

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
 Data File : BM026688.D
 Acq On : 07 Jul 2020 22:07
 Operator : JU/CG
 Sample : L3216-01
 Misc : LOD-MDL-S-5PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 08 05:23:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 05:15:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	53871	20.00	ng	0.00
21) Naphthalene-d8	10.09	136	239112	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	169942	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	392844	20.00	ng	0.00
76) Chrysene-d12	20.97	240	473280	20.00	ng	0.00
86) Perylene-d12	23.04	264	499692	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.96	112	558617	173.80	ng	0.00
7) Phenol-d6	6.54	99	835786	163.21	ng	0.00
23) Nitrobenzene-d5	8.48	82	885028	157.91	ng	0.00
42) 2,4,6-Tribromophenol	15.50	330	473926	191.44	ng	0.00
45) 2-Fluorobiphenyl	12.60	172	2006843	157.02	ng	0.00
79) Terphenyl-d14	19.42	244	3795906	157.84	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.95	88	8731	5.654	ng	97
3) Pyridine	3.38	79	13253	3.000	ng	90
4) n-Nitrosodimethylamine	3.28	42	12241	4.630	ng	# 99
6) Aniline	6.67	93	29338	4.668	ng	95
8) 2-Chlorophenol	6.90	128	18068	4.719	ng	100
9) Benzaldehyde	6.50	77	20882	7.347	ng	100
10) Phenol	6.56	94	23801	4.703	ng	91
11) bis(2-Chloroethyl)ether	6.78	93	19483	4.604	ng	97
12) 1,3-Dichlorobenzene	7.22	146	19016	4.569	ng	95
13) 1,4-Dichlorobenzene	7.36	146	20207	4.770	ng	93
14) 1,2-Dichlorobenzene	7.67	146	20017	4.744	ng	99
15) Benzyl Alcohol	7.59	79	16524	3.771	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.87	45	40187	4.601	ng	96
17) 2-Methylphenol	7.79	107	15057	3.915	ng	93
18) Hexachloroethane	8.38	117	7688	4.570	ng	90
19) n-Nitroso-di-n-propylamine	8.15	70	18637	4.374	ng	99
20) 3+4-Methylphenols	8.13	107	19752	3.735	ng	96
22) Acetophenone	8.16	105	33424	4.919	ng	# 94
24) Nitrobenzene	8.52	77	28084	4.763	ng	99
25) Isophorone	9.05	82	47628	4.432	ng	99
26) 2-Nitrophenol	9.23	139	8478	3.896	ng	95
27) 2,4-Dimethylphenol	9.31	122	16064	4.540	ng	99
28) bis(2-Chloroethoxy)methane	9.54	93	27874	4.695	ng	92
29) 2,4-Dichlorophenol	9.77	162	14716	3.776	ng	94
30) 1,2,4-Trichlorobenzene	9.96	180	19964	4.592	ng	97
31) Naphthalene	10.13	128	61904	4.655	ng	99
32) Benzoic acid	9.42	122	1339	0.499	ng	# 73
33) 4-Chloroaniline	10.27	127	23283	4.002	ng	95
34) Hexachlorobutadiene	10.42	225	13260	4.605	ng	97
35) Caprolactam	11.06	113	5025	3.640	ng	92
36) 4-Chloro-3-methylphenol	11.41	107	20405	4.143	ng	93
37) 2-Methylnaphthalene	11.76	142	46789	4.749	ng	99
38) 1-Methylnaphthalene	11.99	142	44347	4.699	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.15	216	25833	4.702	ng	98

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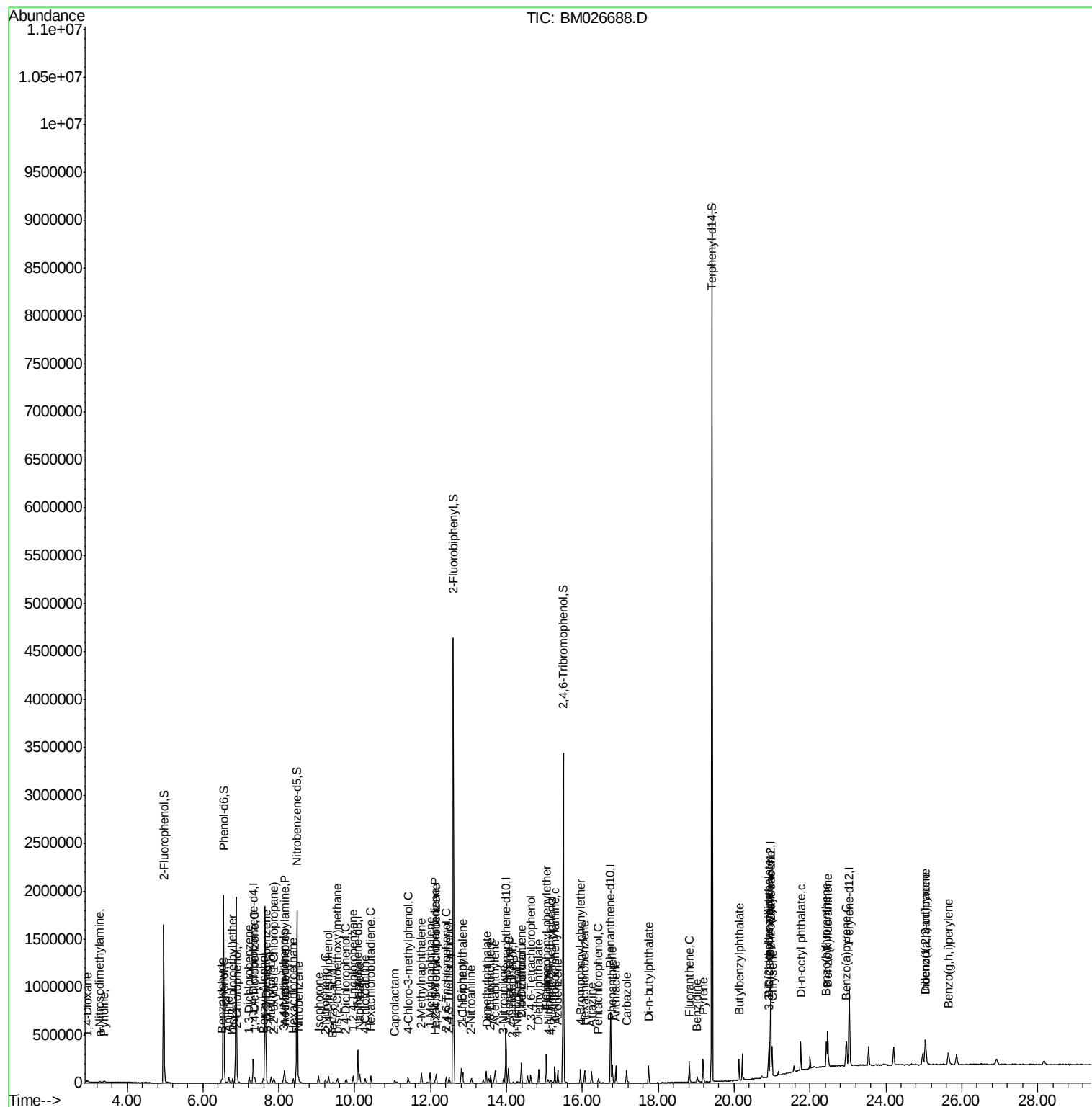
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	6671	2.545	ng	93
43) 2,4,6-Trichlorophenol	12.41	196	13374	3.716	ng	98
44) 2,4,5-Trichlorophenol	12.49	196	15432	3.649	ng	99
46) 1,1'-Biphenyl	12.81	154	69632	5.187	ng	97
47) 2-Chloronaphthalene	12.85	162	47226	4.355	ng	97
48) 2-Nitroaniline	13.07	65	14609	3.274	ng	96
49) Acenaphthylene	13.70	152	76206	4.396	ng	98
50) Dimethylphthalate	13.47	163	65940	4.536	ng	98
51) 2,6-Dinitrotoluene	13.59	165	12427	3.992	ng	88
52) Acenaphthene	14.05	154	47643	4.522	ng	94
53) 3-Nitroaniline	13.92	138	10311	3.184	ng	# 96
54) 2,4-Dinitrophenol	14.16	184	2425	1.331	ng	# 79
55) Dibenzofuran	14.39	168	78038	4.518	ng	96
56) 4-Nitrophenol	14.29	139	5195	2.044	ng	# 86
57) 2,4-Dinitrotoluene	14.39	165	16330	3.635	ng	90
58) Fluorene	15.05	166	62517	4.371	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.64	232	15792	4.276	ng	# 97
60) Diethylphthalate	14.85	149	67946	4.421	ng	98
61) 4-Chlorophenyl-phenylether	15.06	204	34006	4.388	ng	99
62) 4-Nitroaniline	15.10	138	7432	2.199	ng	85
63) Azobenzene	15.35	77	70556	4.179	ng	95
65) 4,6-Dinitro-2-methylphenol	15.17	198	6577	2.463	ng	93
66) n-Nitrosodiphenylamine	15.27	169	53690	4.301	ng	98
67) 4-Bromophenyl-phenylether	15.95	248	20424	4.177	ng	96
68) Hexachlorobenzene	16.06	284	23565	4.579	ng	94
69) Atrazine	16.24	200	18927	5.042	ng	93
70) Pentachlorophenol	16.42	266	8759	3.009	ng	95
71) Phenanthrene	16.79	178	107208	4.623	ng	99
72) Anthracene	16.88	178	101582	4.400	ng	99
73) Carbazole	17.16	167	88250	4.009	ng	99
74) Di-n-butylphthalate	17.75	149	109228	3.947	ng	100
75) Fluoranthene	18.82	202	126978	4.445	ng	99
77) Benzidine	19.03	184	41357	4.432	ng	96
78) Pyrene	19.19	202	133823	4.489	ng	99
80) Butylbenzylphthalate	20.13	149	49339	3.688	ng	96
81) Benzo(a)anthracene	20.95	228	146568	4.610	ng	99
82) 3,3'-Dichlorobenzidine	20.90	252	46176	4.576	ng	98
83) Chrysene	21.00	228	143898	4.650	ng	99
84) Bis(2-ethylhexyl)phthalate	20.92	149	83179	3.881	ng	# 99
85) Di-n-octyl phthalate	21.76	149	138242	3.774	ng	94
87) Indeno(1,2,3-cd)pyrene	25.04	276	168231	4.729	ng	100
88) Benzo(b)fluoranthene	22.43	252	144793	4.398	ng	99
89) Benzo(k)fluoranthene	22.47	252	157552	4.878	ng	97
90) Benzo(a)pyrene	22.95	252	131765	4.311	ng	99
91) Dibenzo(a,h)anthracene	25.05	278	141423	4.709	ng	98
92) Benzo(g,h,i)perylene	25.65	276	139977	5.059	ng	99

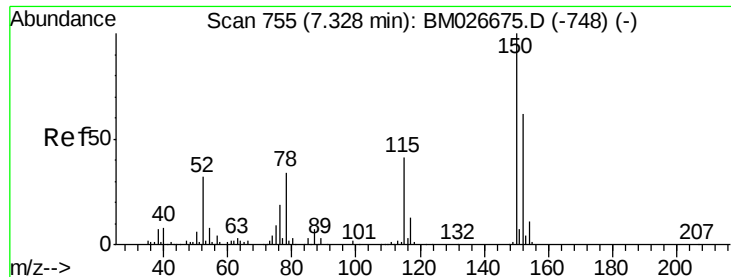
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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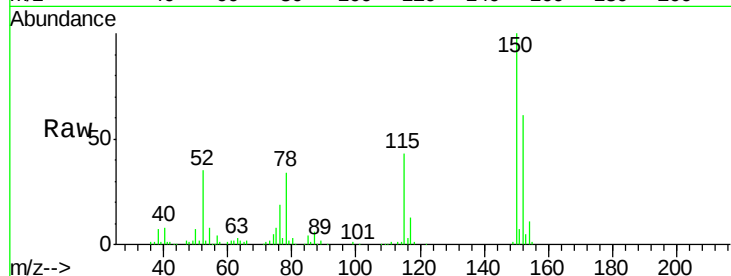


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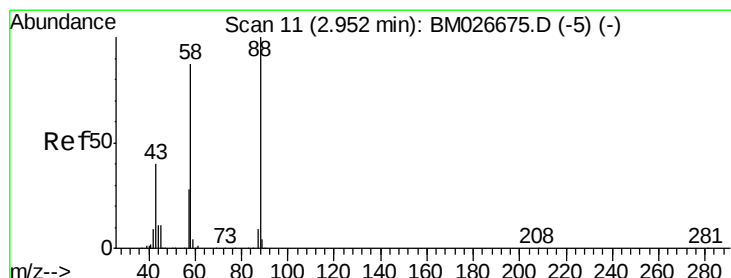
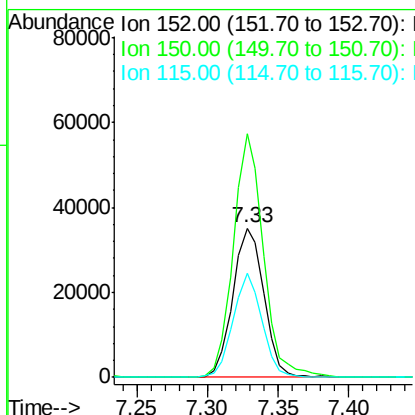
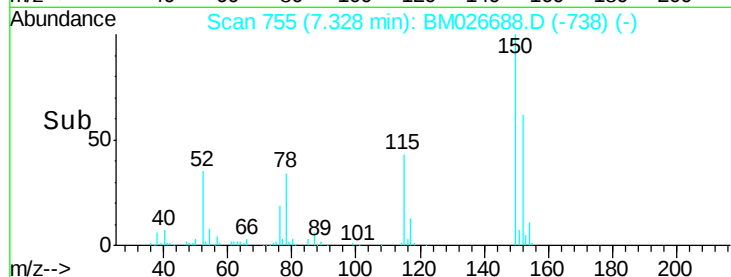
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.33 min Scan# 755
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:152 Resp: 53871
Ion Ratio Lower Upper
152 100
150 163.1 128.1 192.1
115 69.5 52.2 78.4



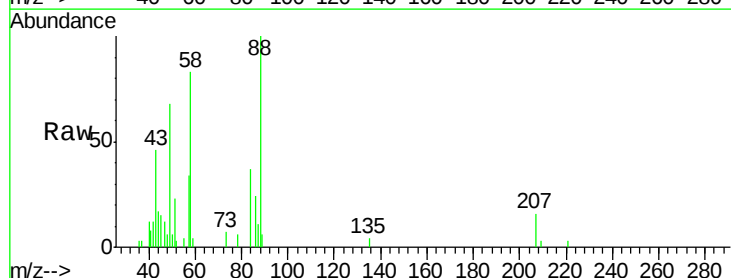
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



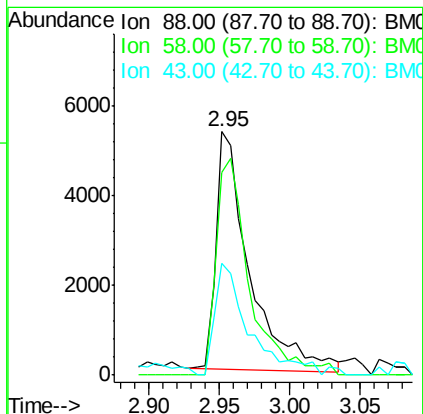
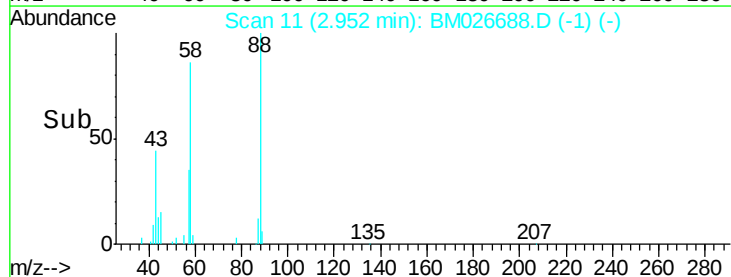
#2

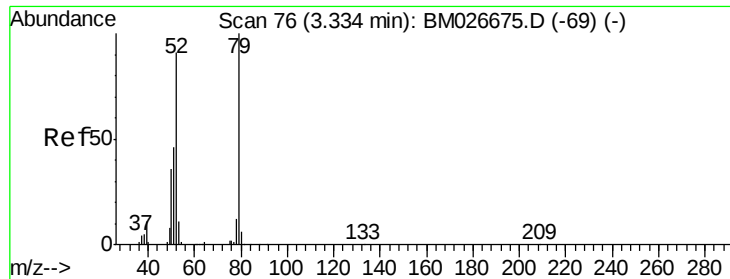
1,4-Dioxane
Concen: 5.654 ng
RT: 2.95 min Scan# 11
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion: 88 Resp: 8731
Ion Ratio Lower Upper
88 100
58 91.6 73.2 109.8
43 48.0 34.3 51.5



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 3.000 ng

RT: 3.38 min Scan# 84

Delta R.T. 0.05 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

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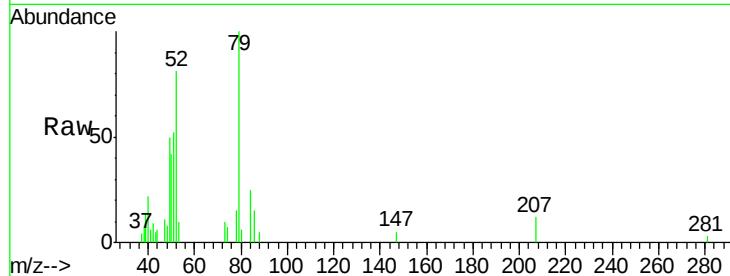
Tot Ion: 79 Resp: 13253

Ion Ratio Lower Upper

79 100

52 80.6 72.9 109.3

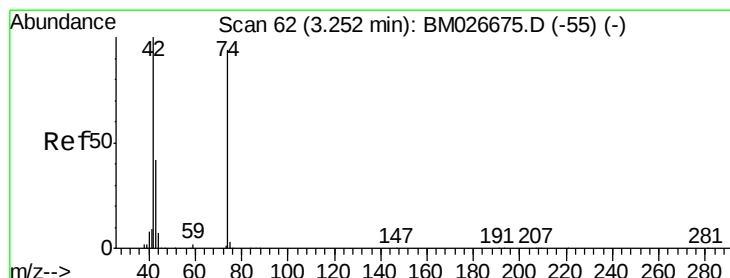
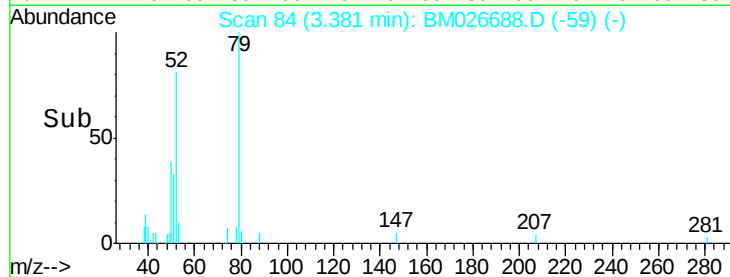
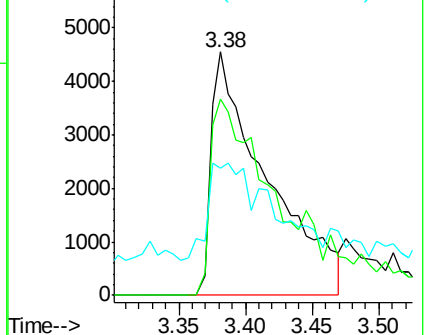
51 52.5 37.6 56.4



Abundance Ion 79.00 (78.70 to 79.70): BM026688.D (-59) (-)

Ion 52.00 (51.70 to 52.70): BM026688.D (-59) (-)

Ion 51.00 (50.70 to 51.70): BM026688.D (-59) (-)



#4

n-Nitrosodimethylamine

Concen: 4.630 ng

RT: 3.28 min Scan# 67

Delta R.T. 0.03 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

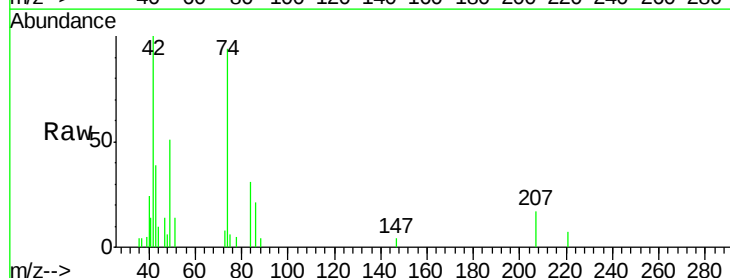
Tgt Ion: 42 Resp: 12241

Ion Ratio Lower Upper

42 100

74 93.6 75.1 112.7

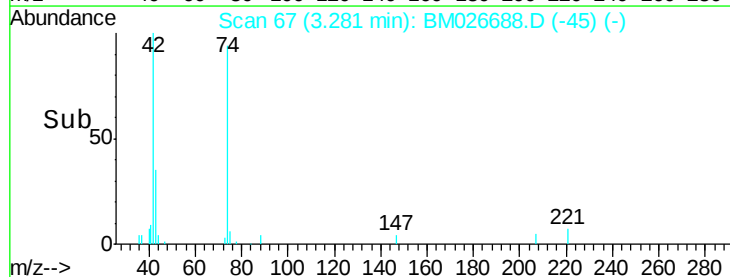
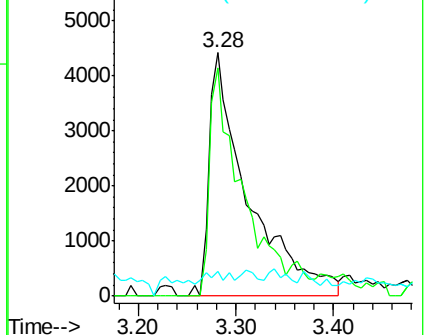
44 10.1 5.7 8.5#

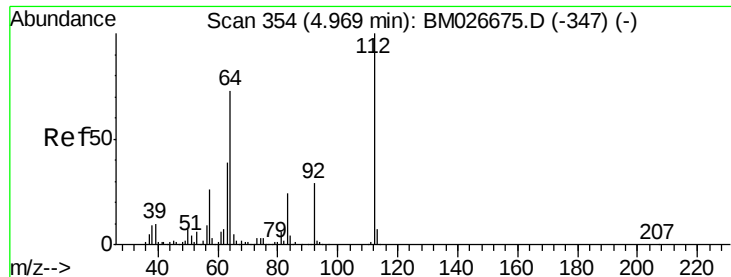


Abundance Ion 42.00 (41.70 to 42.70): BM026688.D (-45) (-)

Ion 74.00 (73.70 to 74.70): BM026688.D (-45) (-)

Ion 44.00 (43.70 to 44.70): BM026688.D (-45) (-)





#5

2-Fluorophenol

Concen: 173.803 ng

RT: 4.96 min Scan# 353

Delta R.T. -0.01 min

Lab File: BM026688.D

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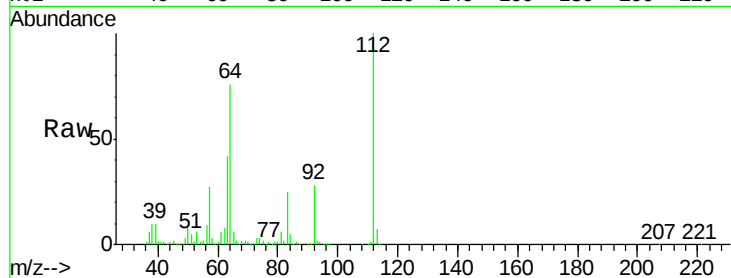
Tot Ion:112 Resp: 558617

Ion Ratio Lower Upper

112 100

64 76.0 58.4 87.6

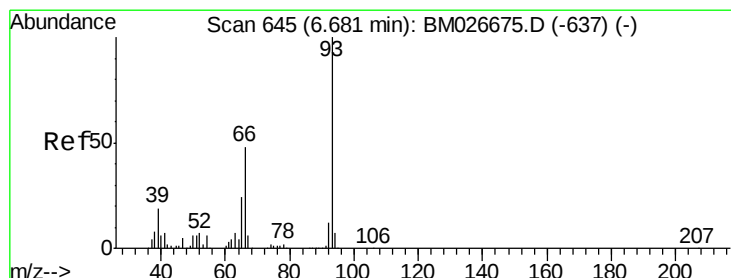
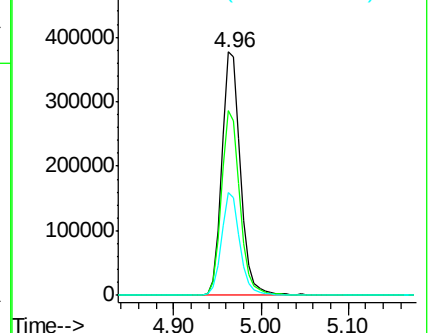
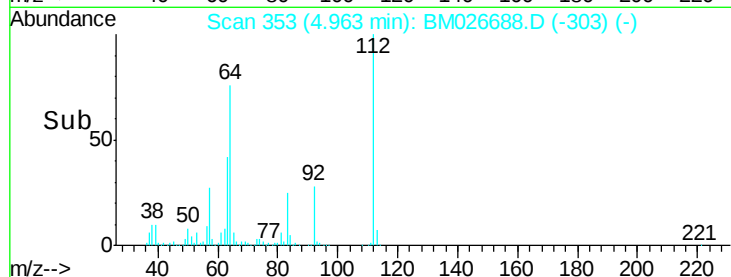
63 42.2 31.5 47.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 4.668 ng

RT: 6.67 min Scan# 644

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

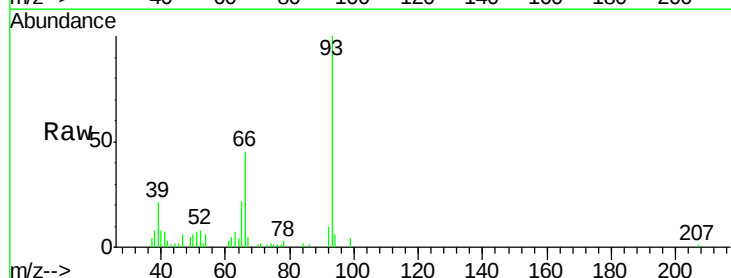
Tgt Ion: 93 Resp: 29338

Ion Ratio Lower Upper

93 100

66 44.9 38.2 57.4

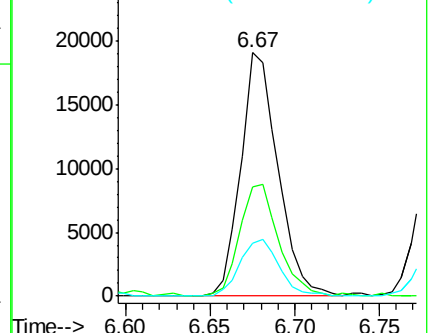
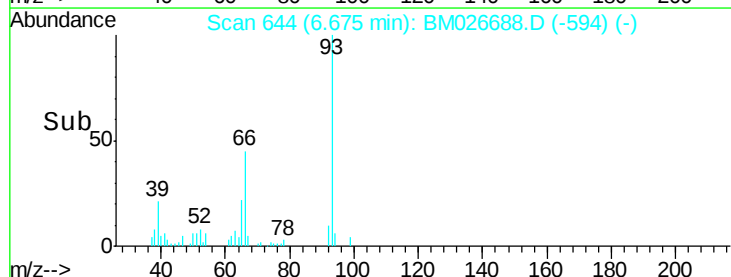
65 21.9 19.6 29.4

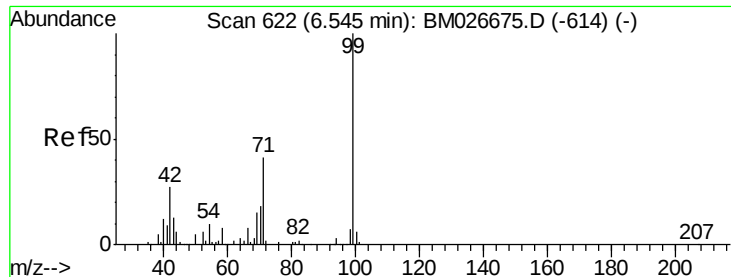


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 163.212 ng

RT: 6.54 min Scan# 621

Delta R.T. -0.01 min

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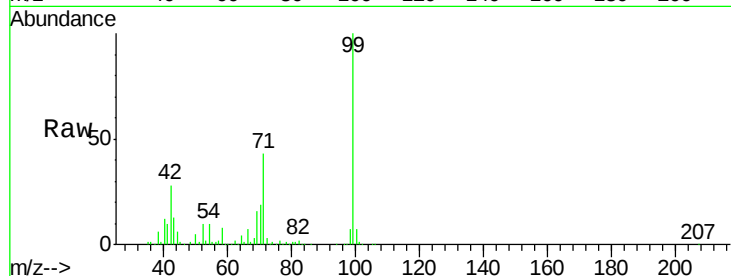
Tot Ion: 99 Resp: 835786

Ion Ratio Lower Upper

99 100

42 28.1 21.7 32.5

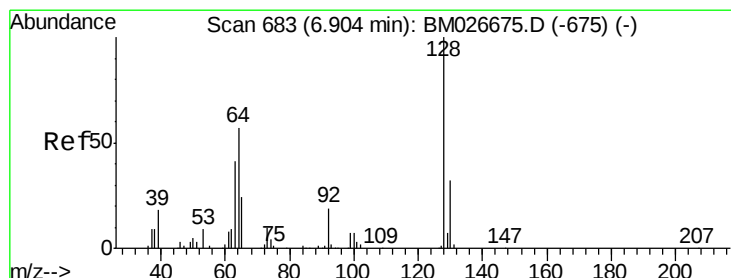
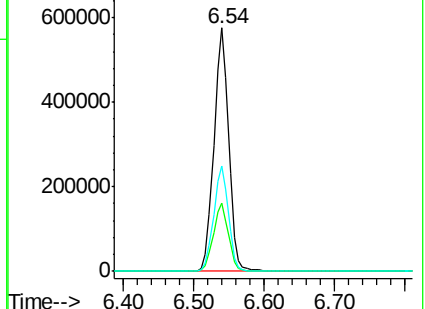
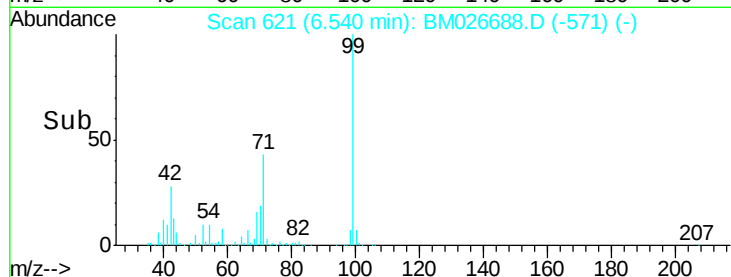
71 43.5 33.2 49.8



Abundance Ion 99.00 (98.70 to 99.70): BM026675.D (-614) (-)

Ion 42.00 (41.70 to 42.70): BM026675.D (-614) (-)

Ion 71.00 (70.70 to 71.70): BM026675.D (-614) (-)



#8

2-Chlorophenol

Concen: 4.719 ng

RT: 6.90 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

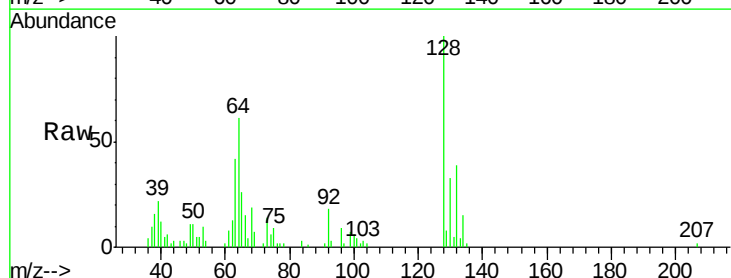
Tgt Ion:128 Resp: 18068

Ion Ratio Lower Upper

128 100

130 32.8 12.2 52.2

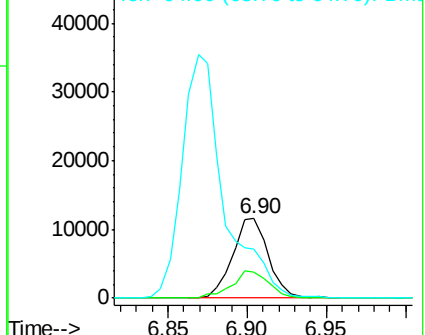
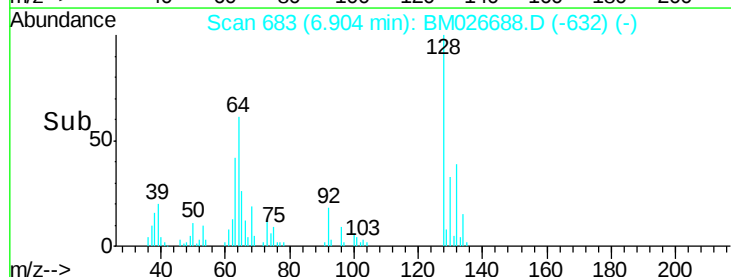
64 61.3 41.4 81.4

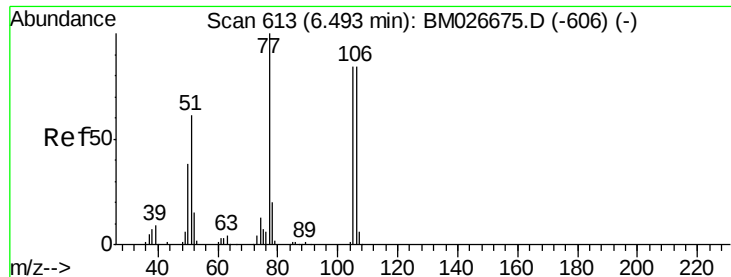


Abundance Ion 128.00 (127.70 to 128.70): BM026675.D (-675) (-)

Ion 130.00 (129.70 to 130.70): BM026675.D (-675) (-)

Ion 64.00 (63.70 to 64.70): BM026675.D (-675) (-)





#9

Benzaldehyde

Concen: 7.347 ng

RT: 6.50 min Scan# 614

Delta R.T. 0.01 min

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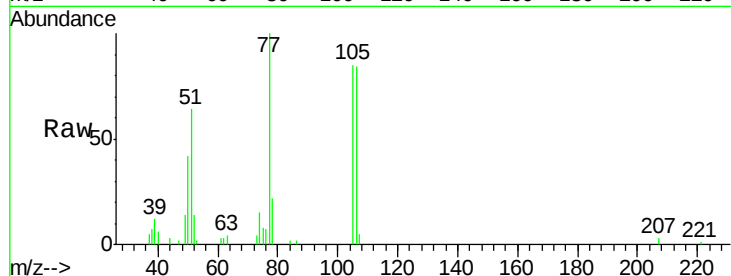
Tot Ion: 77 Resp: 20882

Ion Ratio Lower Upper

77 100

105 84.6 64.4 104.4

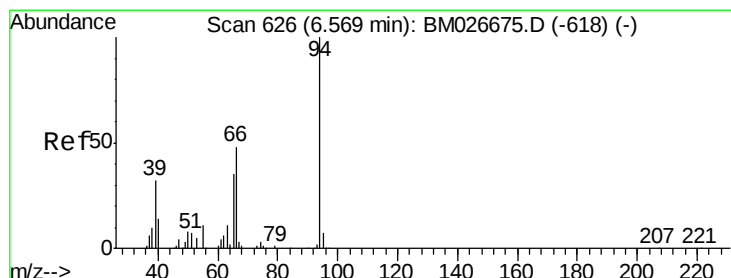
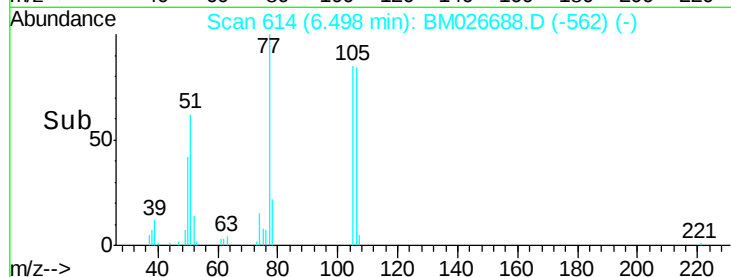
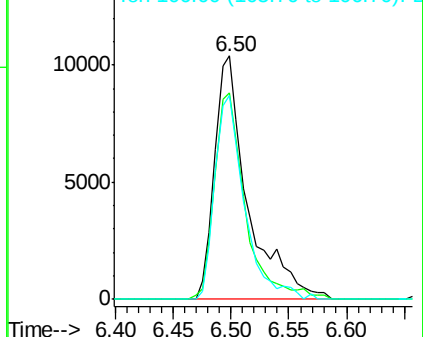
106 83.9 64.3 104.3



Abundance Ion 77.00 (76.70 to 77.70): BM026675.D (-606) (-)

Ion 105.00 (104.70 to 105.70): BM026675.D (-606) (-)

Ion 106.00 (105.70 to 106.70): BM026675.D (-606) (-)



#10

Phenol

Concen: 4.703 ng

RT: 6.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

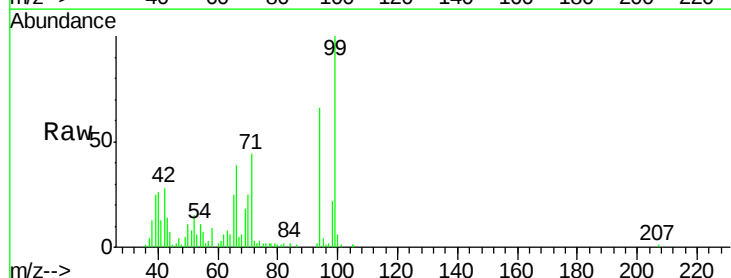
Tgt Ion: 94 Resp: 23801

Ion Ratio Lower Upper

94 100

65 37.8 15.5 55.5

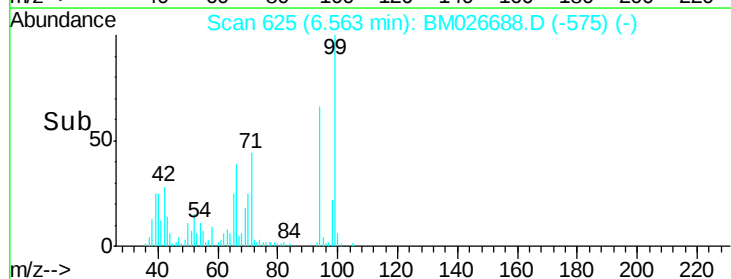
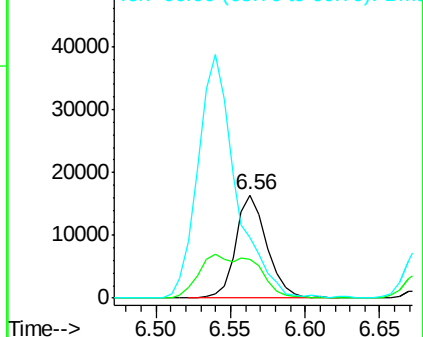
66 59.0 29.8 69.8

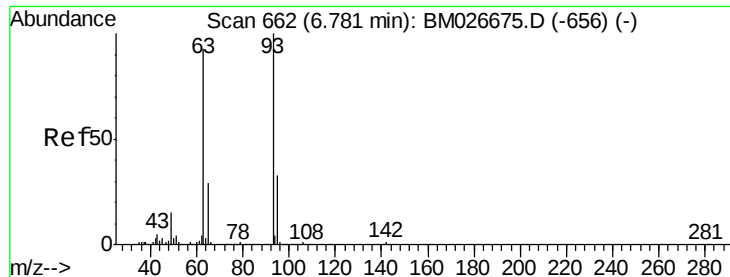


Abundance Ion 94.00 (93.70 to 94.70): BM026675.D (-618) (-)

Ion 65.00 (64.70 to 65.70): BM026675.D (-618) (-)

Ion 66.00 (65.70 to 66.70): BM026675.D (-618) (-)

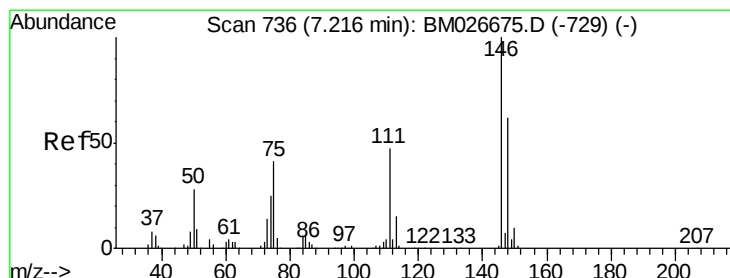
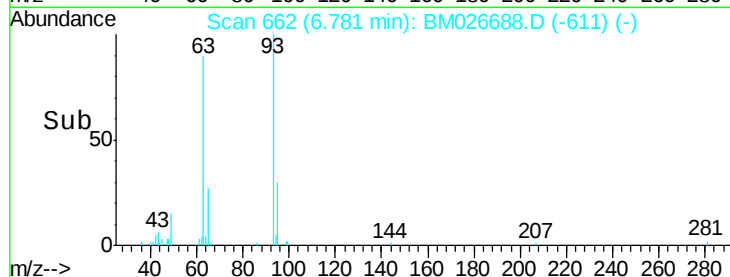
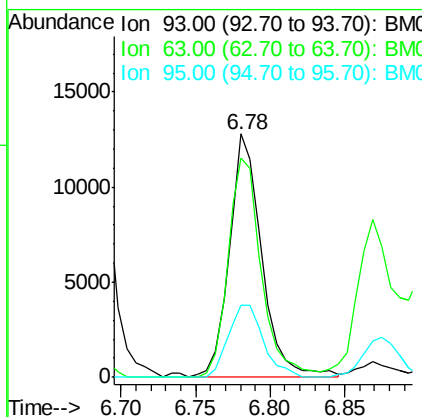
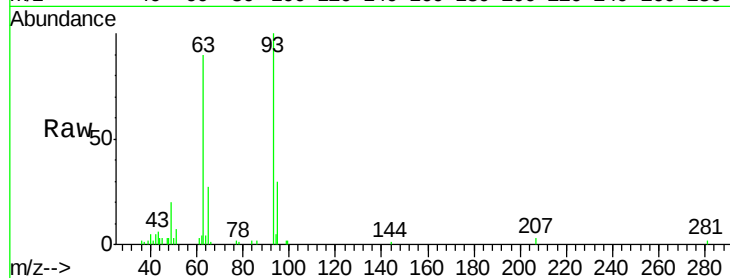




#11
bis(2-Chloroethyl)ether
Concen: 4.604 ng
RT: 6.78 min Scan# 662
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

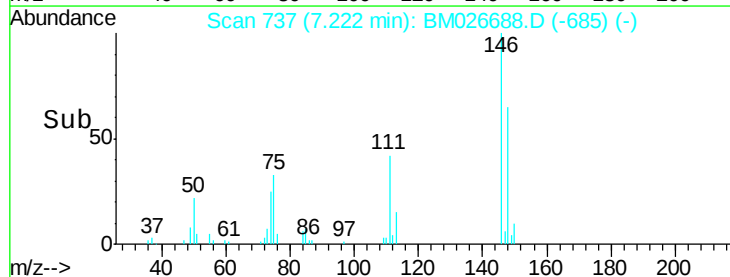
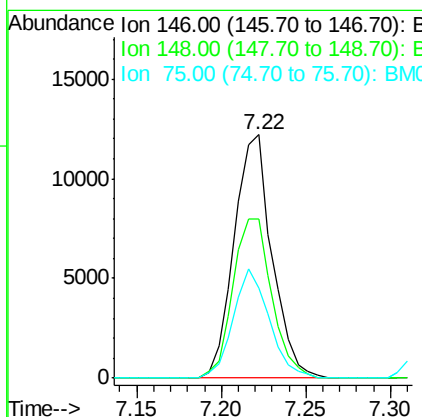
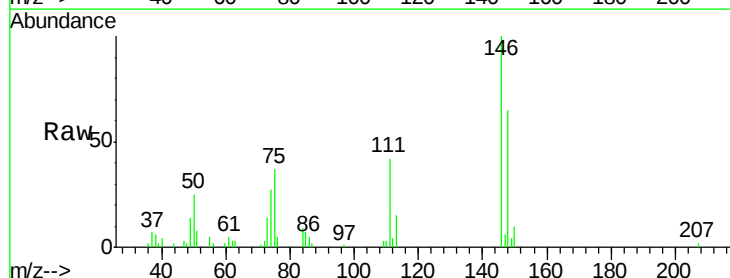
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

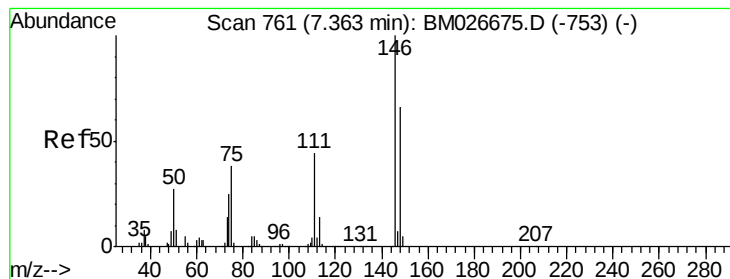
Tot Ion: 93 Resp: 19483
Ion Ratio Lower Upper
93 100
63 90.2 72.6 112.6
95 29.8 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 4.569 ng
RT: 7.22 min Scan# 737
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion: 146 Resp: 19016
Ion Ratio Lower Upper
146 100
148 65.2 49.7 74.5
75 37.1 32.7 49.1





#13

1,4-Dichlorobenzene

Concen: 4.770 ng

RT: 7.36 min Scan# 761

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

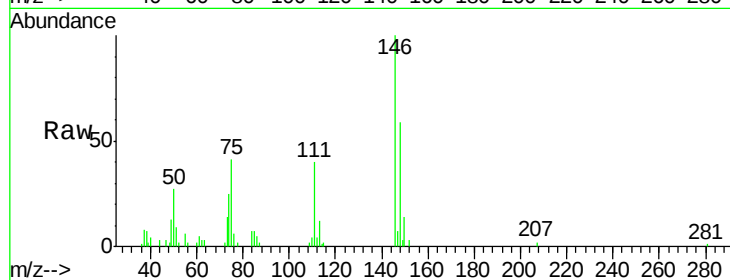
Tot Ion:146 Resp: 20207

Ion Ratio Lower Upper

146 100

148 59.5 52.4 78.6

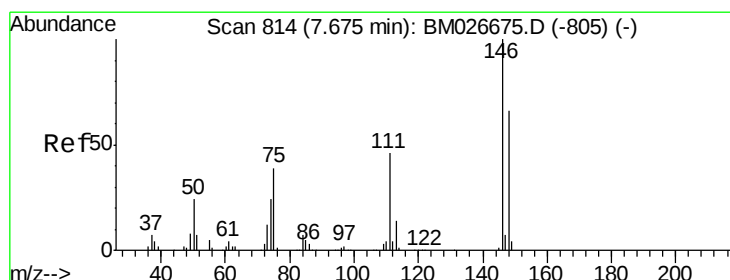
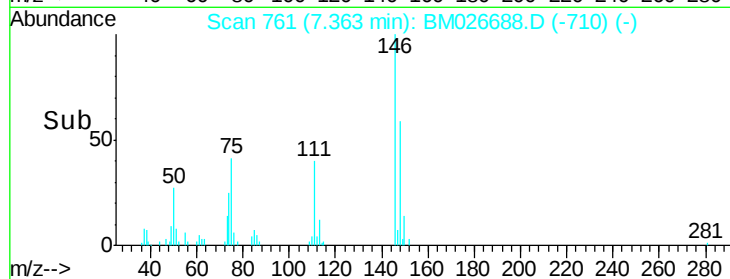
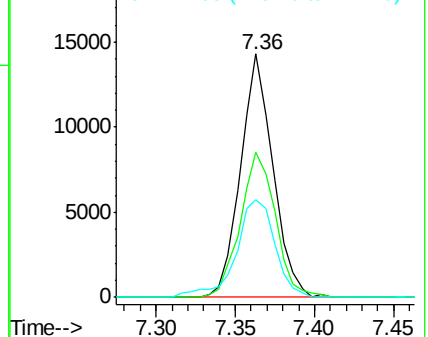
111 40.3 35.6 53.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 4.744 ng

RT: 7.67 min Scan# 813

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

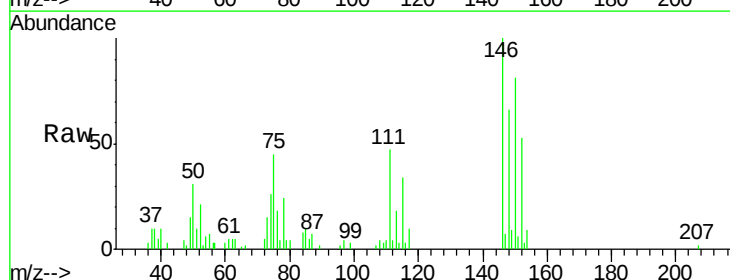
Tgt Ion:146 Resp: 20017

Ion Ratio Lower Upper

146 100

148 65.9 52.6 78.8

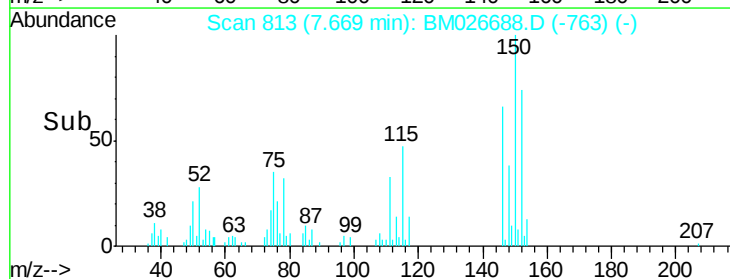
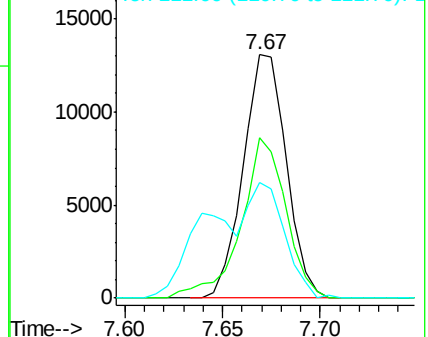
111 47.3 37.2 55.8

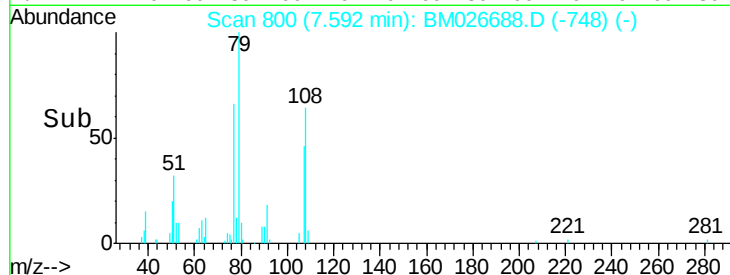
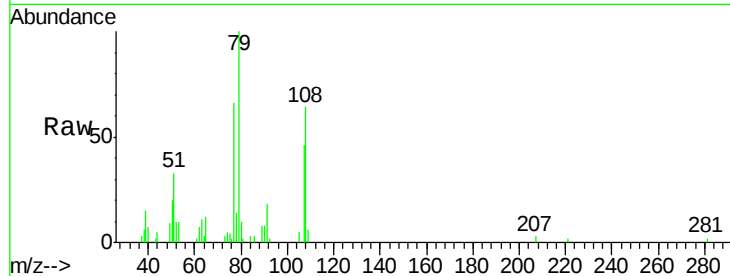
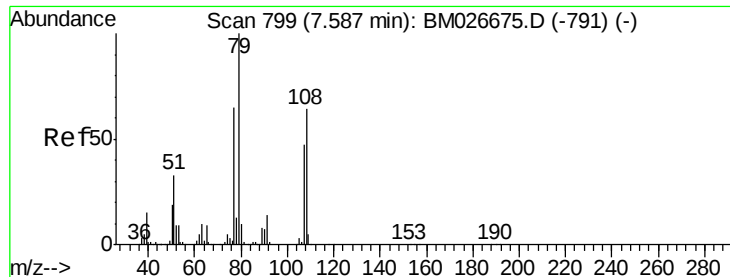


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 3.771 ng

RT: 7.59 min Scan# 800

Delta R.T. 0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

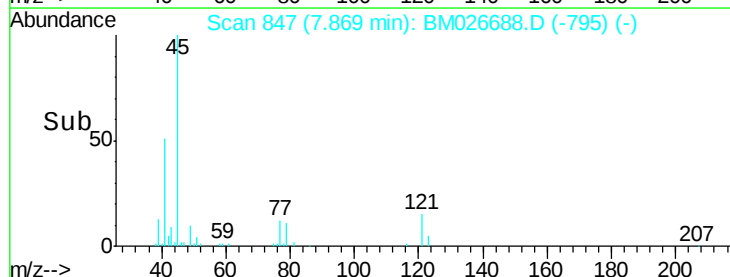
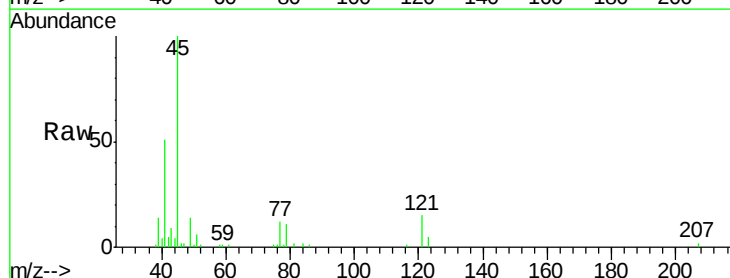
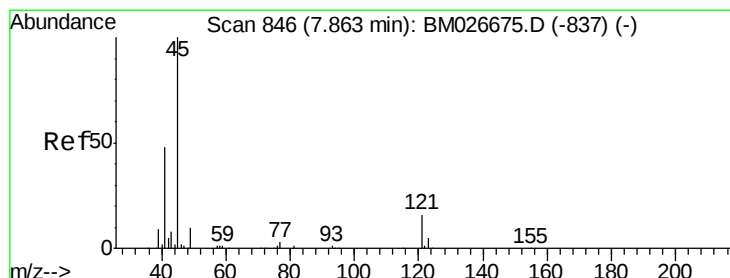
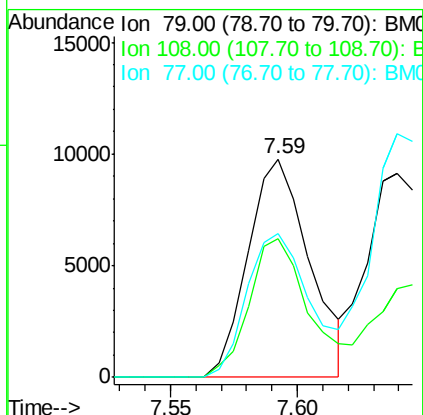
Tot Ion: 79 Resp: 16524

Ion Ratio Lower Upper

79 100

108 63.6 51.0 76.4

77 66.2 52.1 78.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.601 ng

RT: 7.87 min Scan# 847

Delta R.T. 0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

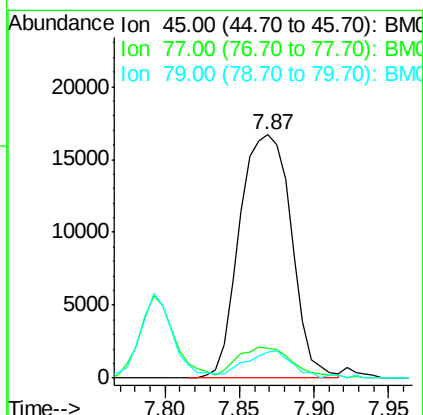
Tgt Ion: 45 Resp: 40187

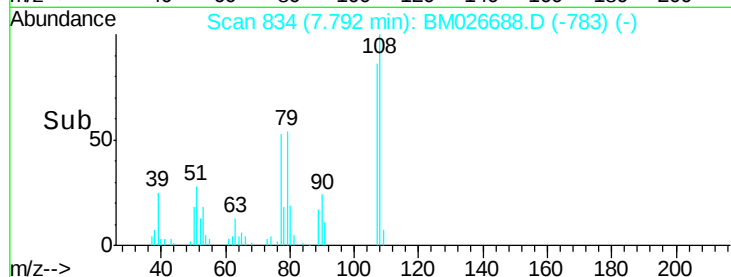
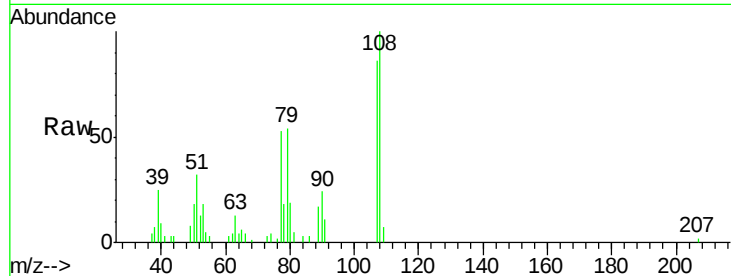
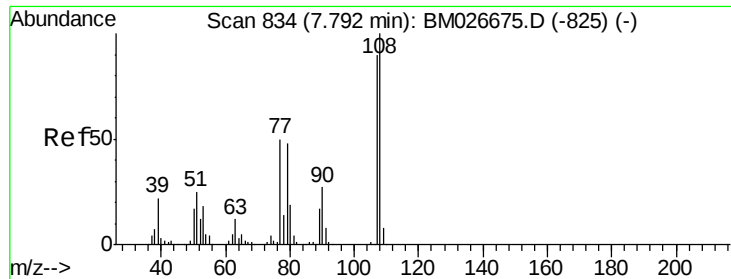
Ion Ratio Lower Upper

45 100

77 12.3 0.0 31.4

79 10.8 0.0 28.4

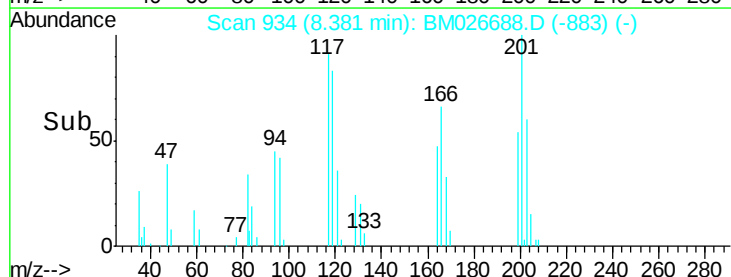
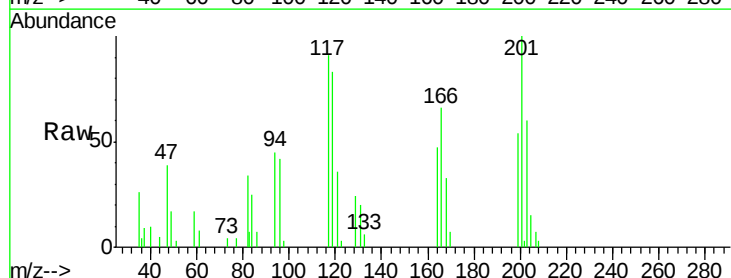
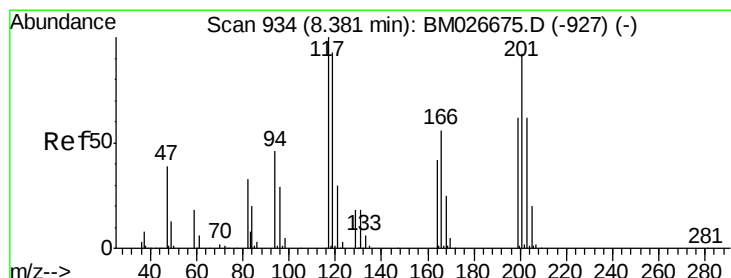
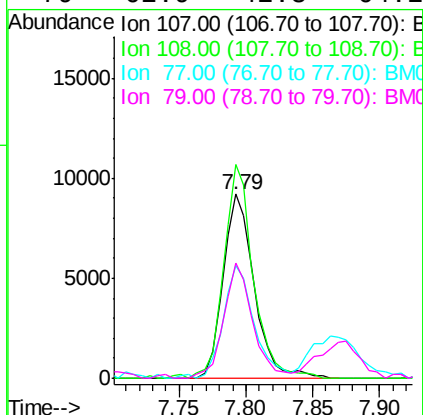




#17
2-Methylphenol
Concen: 3.915 ng
RT: 7.79 min Scan# 834
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

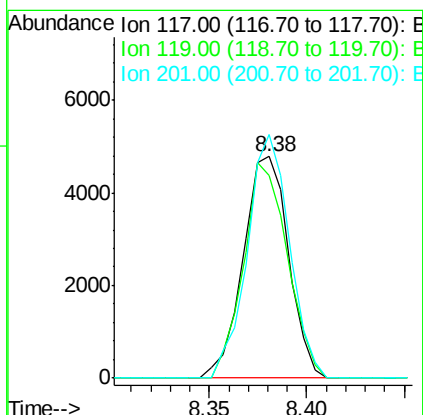
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

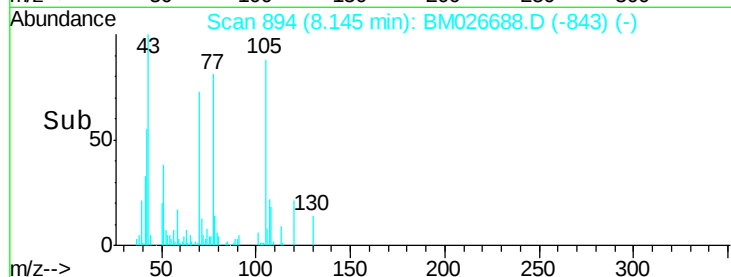
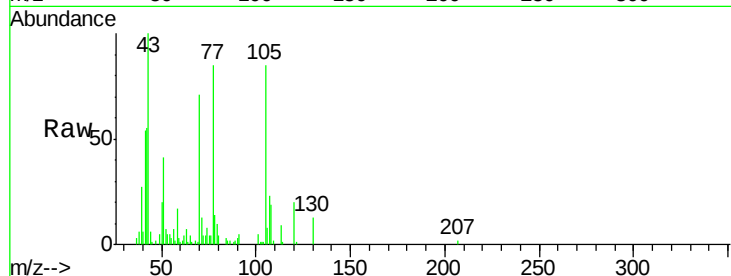
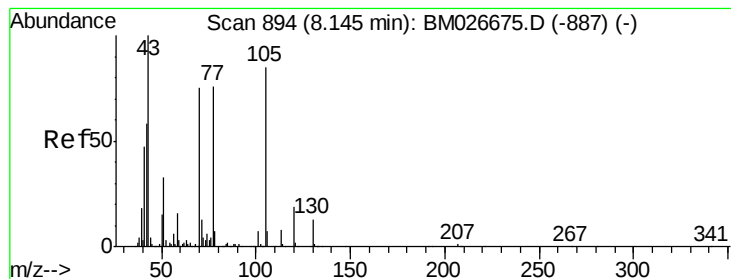
Tot Ion	Ratio	Lower	Upper
107	100		
108	116.0	89.4	134.0
77	61.0	45.2	67.8
79	62.9	42.8	64.2



#18
Hexachloroethane
Concen: 4.570 ng
RT: 8.38 min Scan# 934
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	74.2	111.2
201	109.8	73.6	110.4





#19

n-Nitroso-di-n-propylamine

Concen: 4.374 ng

RT: 8.15 min Scan# 894

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 70 Resp: 18637

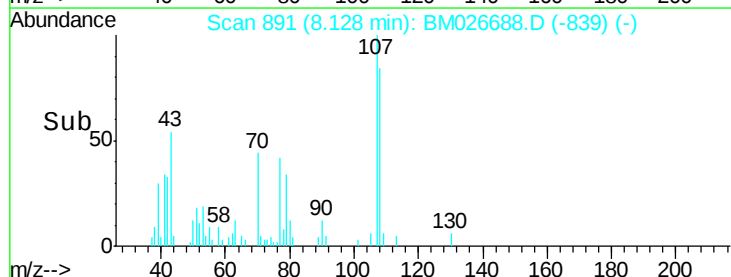
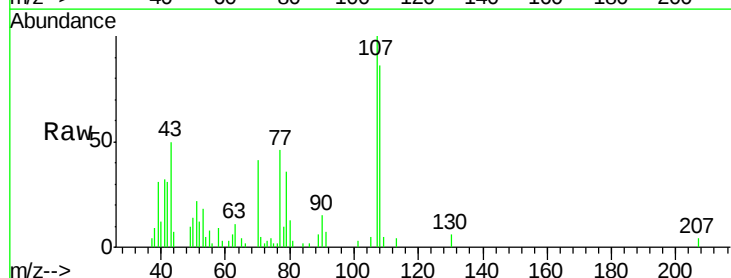
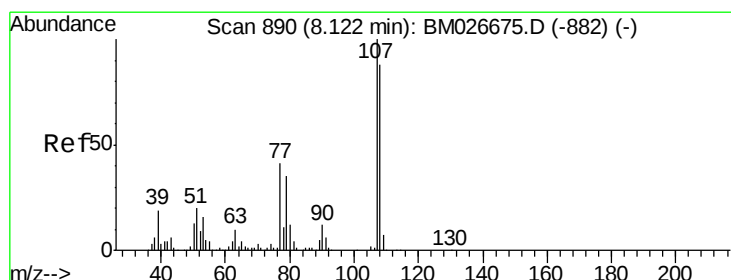
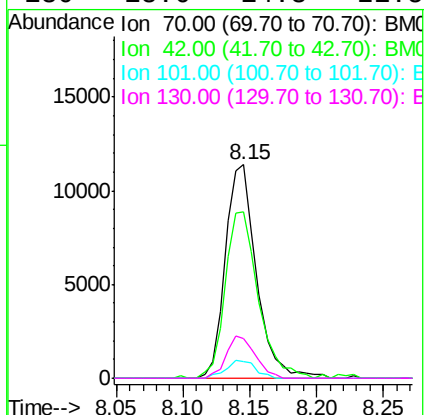
Ion Ratio Lower Upper

70 100

42 78.1 62.3 93.5

101 7.7 7.1 10.7

130 18.6 14.3 21.5



#20

3+4-Methylphenols

Concen: 3.735 ng

RT: 8.13 min Scan# 891

Delta R.T. 0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion: 107 Resp: 19752

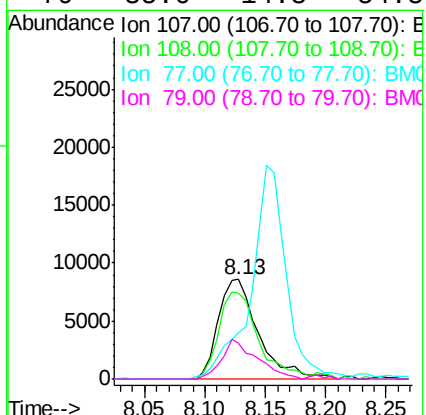
Ion Ratio Lower Upper

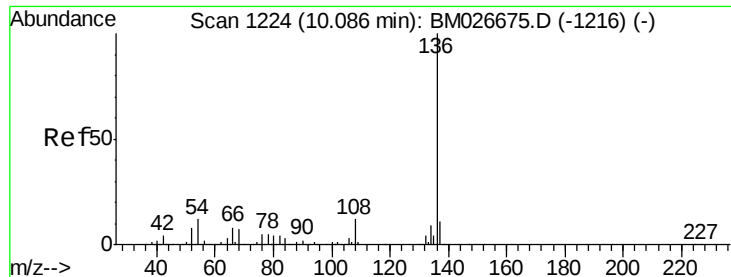
107 100

108 86.3 68.5 108.5

77 46.2 20.8 60.8

79 35.6 14.8 54.8

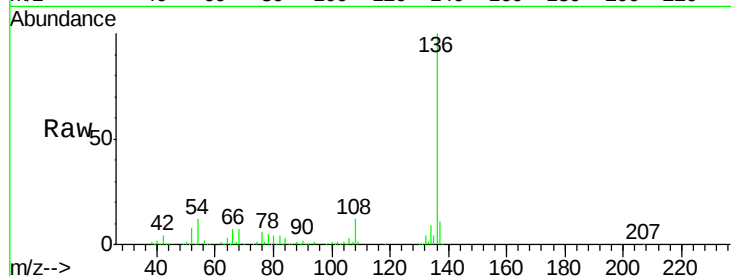




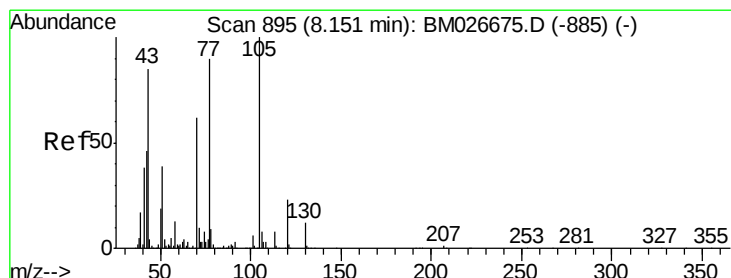
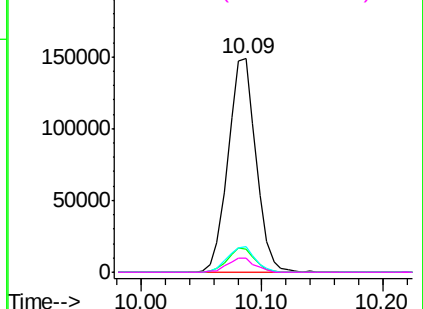
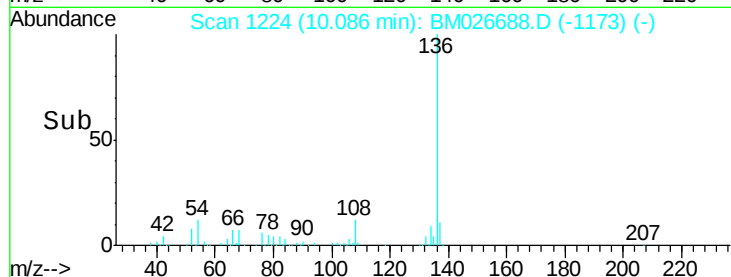
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.09 min Scan# 1224
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:136	Resp:	239112
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.6 12.8
54	11.8	9.8 14.6
68	6.7	5.8 8.6

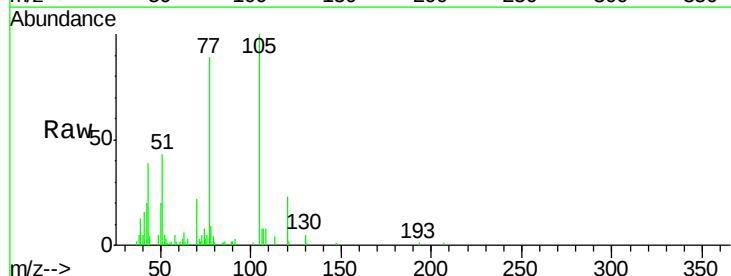


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

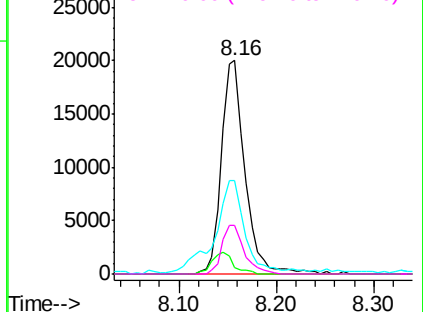
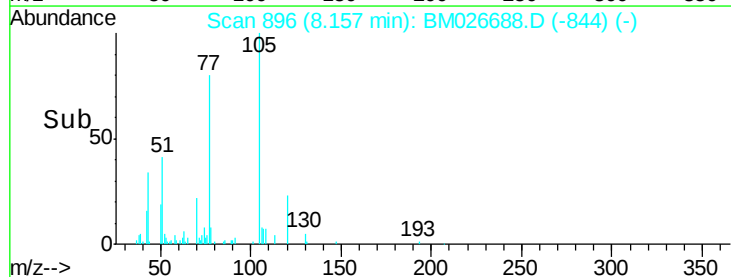


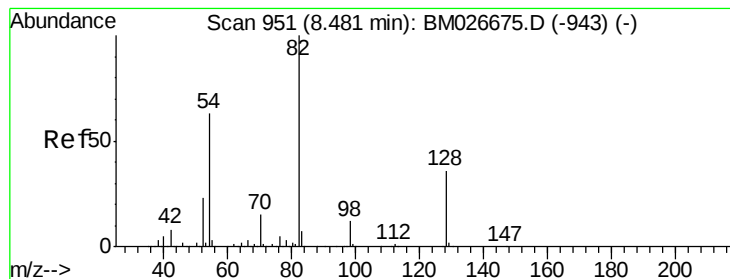
#22
Acetophenone
Concen: 4.919 ng
RT: 8.16 min Scan# 896
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion:105	Resp:	33424
Ion Ratio	Lower	Upper
105	100	
71	2.7	8.1 12.1#
51	43.5	31.9 47.9
120	22.7	18.0 27.0



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BM0
Ion 51.00 (50.70 to 51.70): BM0
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 157.910 ng

RT: 8.48 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

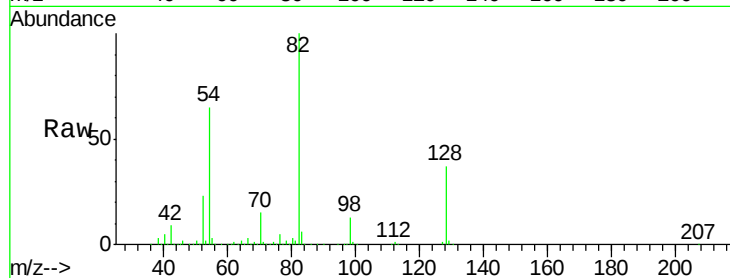
Tot Ion: 82 Resp: 885028

Ion Ratio Lower Upper

82 100

128 36.9 29.1 43.7

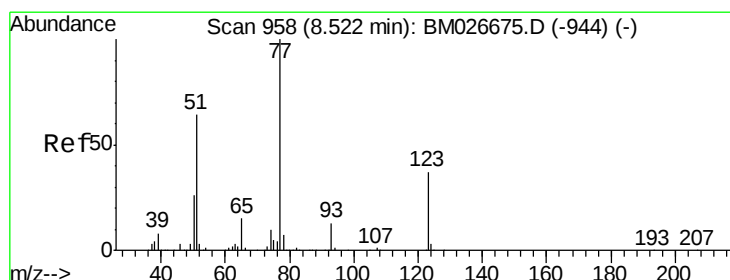
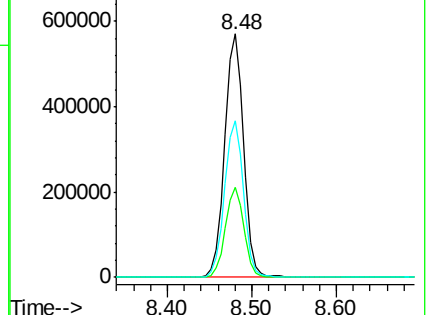
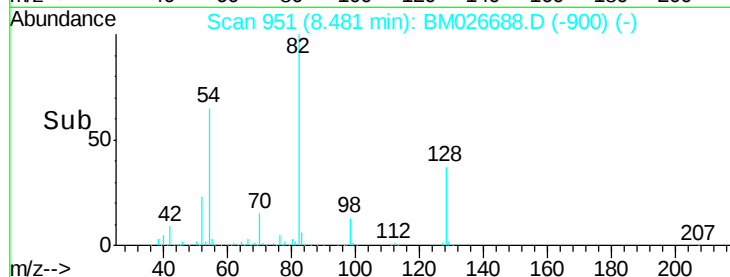
54 64.5 50.2 75.4



Abundance Ion 82.00 (81.70 to 82.70): BM026688.D (-900) (-)

Ion 128.00 (127.70 to 128.70): BM026688.D (-900) (-)

Ion 54.00 (53.70 to 54.70): BM026688.D (-900) (-)



#24

Nitrobenzene

Concen: 4.763 ng

RT: 8.52 min Scan# 958

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

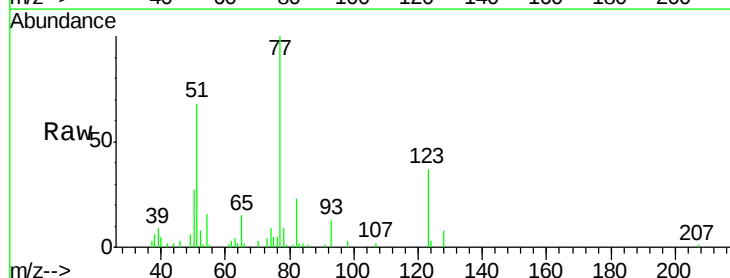
Tgt Ion: 77 Resp: 28084

Ion Ratio Lower Upper

77 100

123 36.9 29.8 44.6

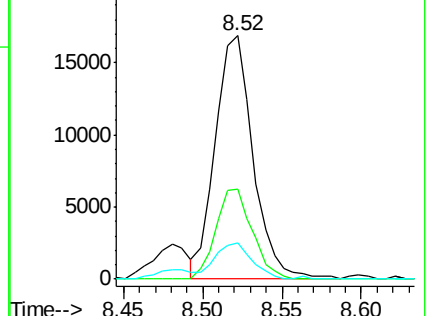
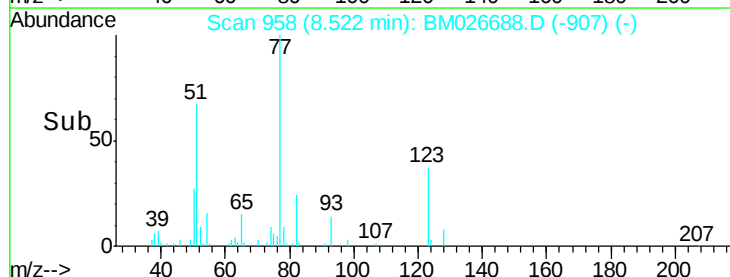
65 15.1 12.2 18.4

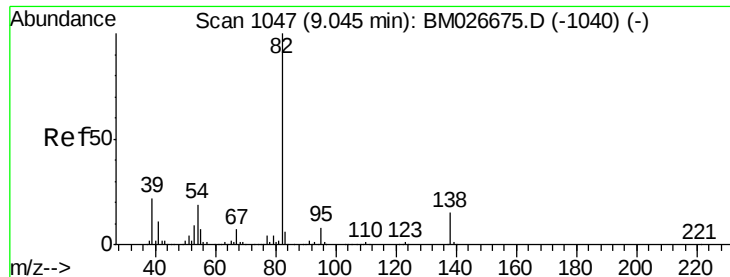


Abundance Ion 77.00 (76.70 to 77.70): BM026688.D (-907) (-)

Ion 123.00 (122.70 to 123.70): BM026688.D (-907) (-)

Ion 65.00 (64.70 to 65.70): BM026688.D (-907) (-)





#25

Isophorone

Concen: 4.432 ng

RT: 9.05 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

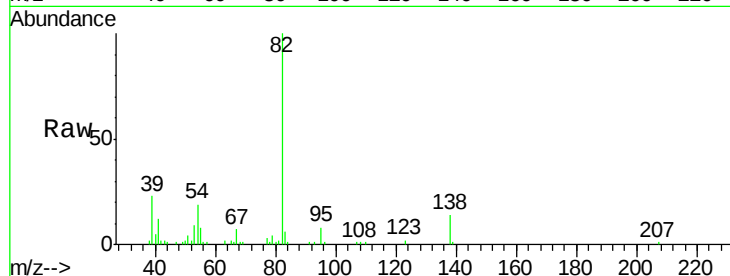
Tot Ion: 82 Resp: 47628

Ion Ratio Lower Upper

82 100

95 8.1 6.3 9.5

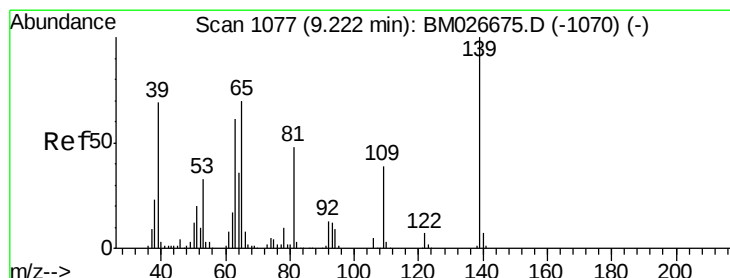
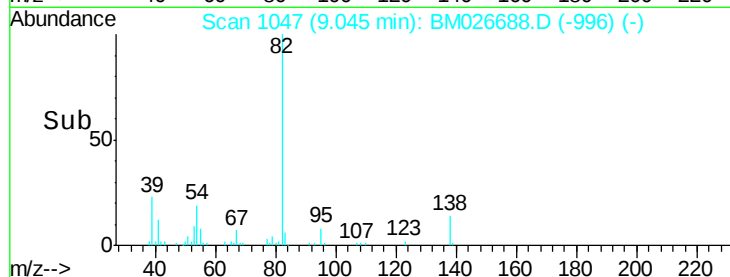
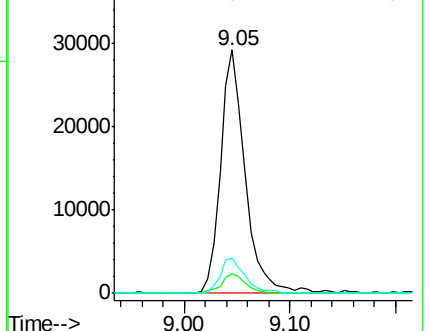
138 14.3 12.0 18.0



Abundance Ion 82.00 (81.70 to 82.70): BM026675.D (-1040) (-)

Ion 95.00 (94.70 to 95.70): BM026675.D (-1040) (-)

Ion 138.00 (137.70 to 138.70): BM026675.D (-1040) (-)



#26

2-Nitrophenol

Concen: 3.896 ng

RT: 9.23 min Scan# 1078

Delta R.T. 0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

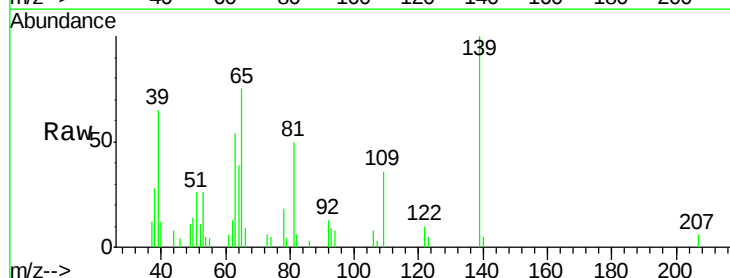
Tgt Ion: 139 Resp: 8478

Ion Ratio Lower Upper

139 100

109 35.8 30.8 46.2

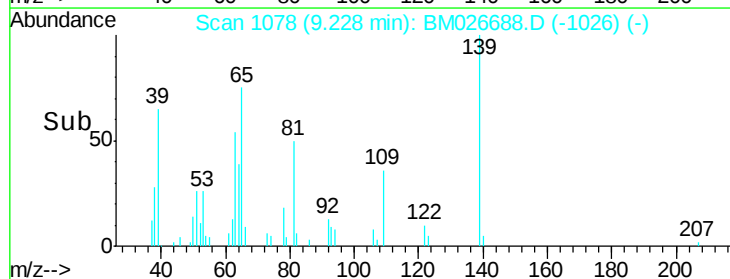
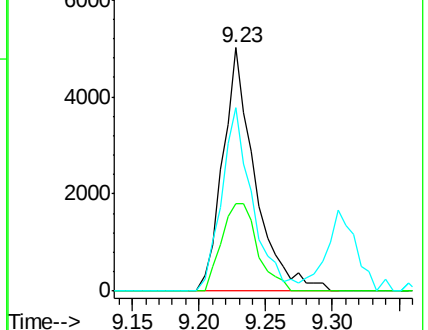
65 75.3 56.2 84.4

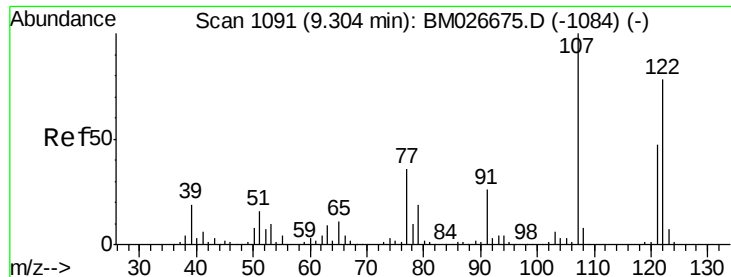


Abundance Ion 139.00 (138.70 to 139.70): BM026675.D (-1070) (-)

Ion 109.00 (108.70 to 109.70): BM026675.D (-1070) (-)

Ion 65.00 (64.70 to 65.70): BM026675.D (-1070) (-)

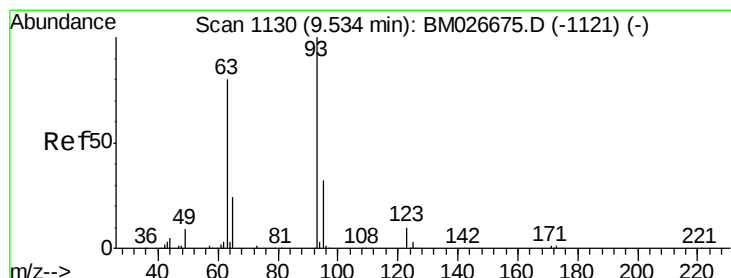
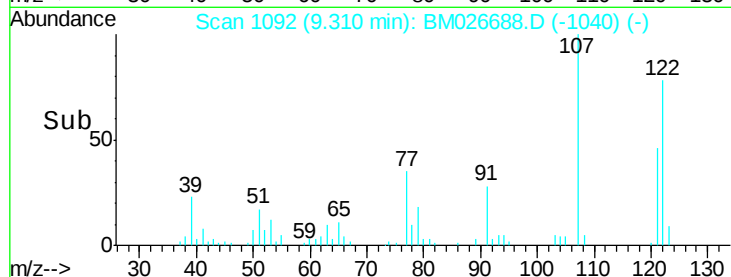
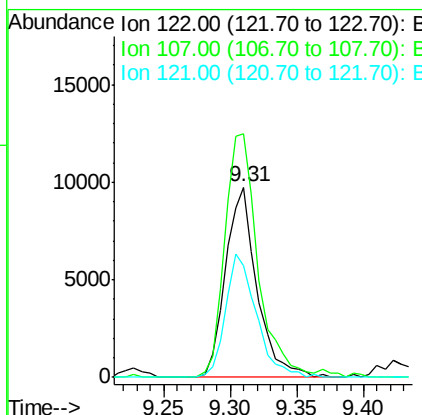
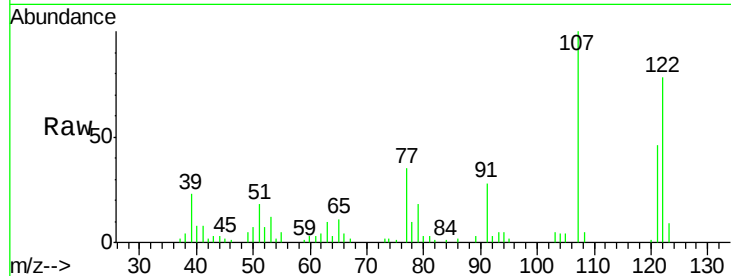




#27
2,4-Dimethylphenol
Concen: 4.540 ng
RT: 9.31 min Scan# 1092
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

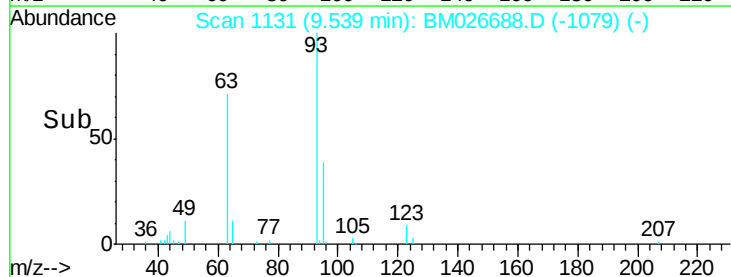
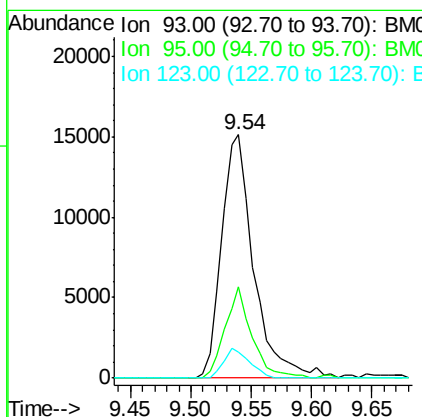
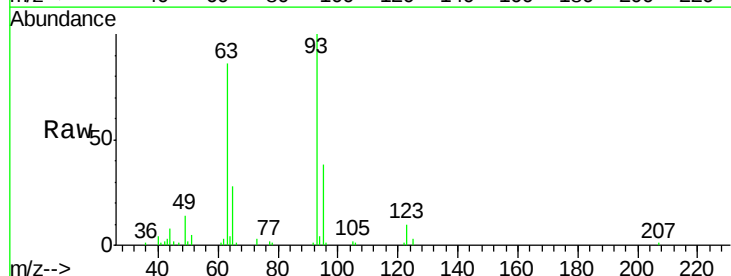
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

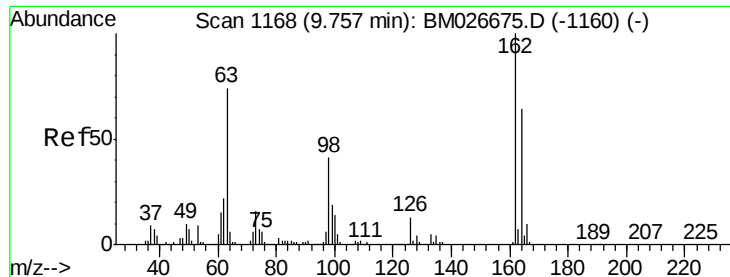
Tot Ion:122 Resp: 16064
Ion Ratio Lower Upper
122 100
107 128.1 102.1 153.1
121 58.9 48.2 72.2



#28
bis(2-Chloroethoxy)methane
Concen: 4.695 ng
RT: 9.54 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion: 93 Resp: 27874
Ion Ratio Lower Upper
93 100
95 37.6 25.7 38.5
123 10.5 8.7 13.1

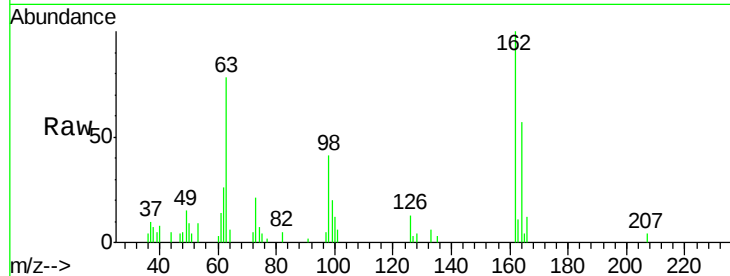




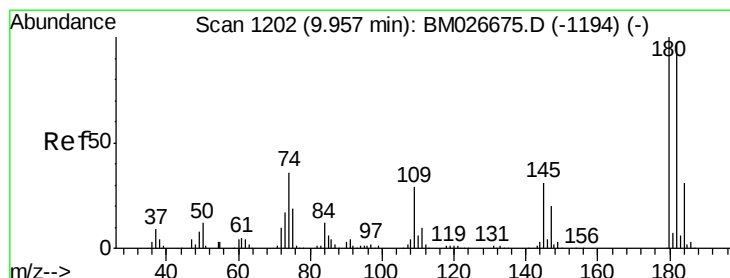
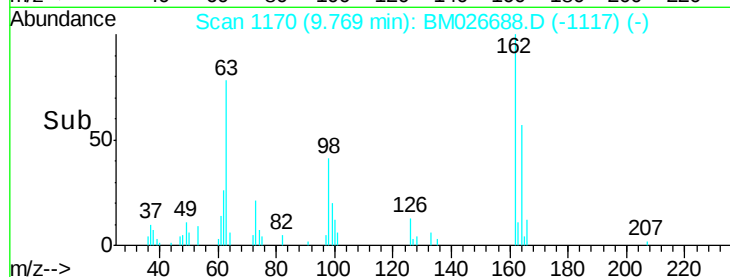
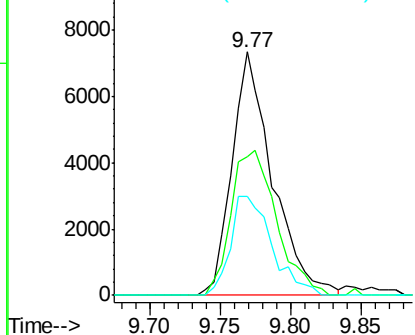
#29
2,4-Dichlorophenol
Concen: 3.776 ng
RT: 9.77 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	56.8	44.3	84.3
98	40.8	21.0	61.0

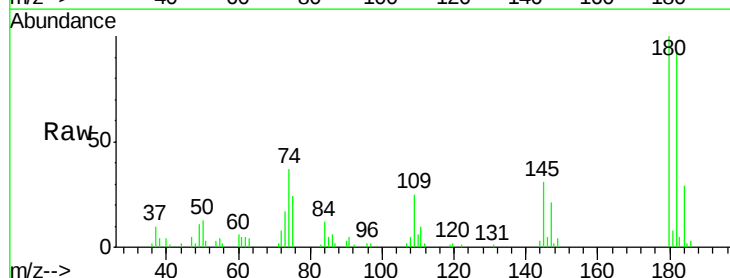


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BM0

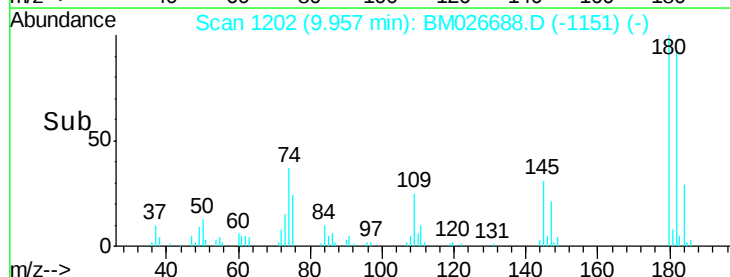
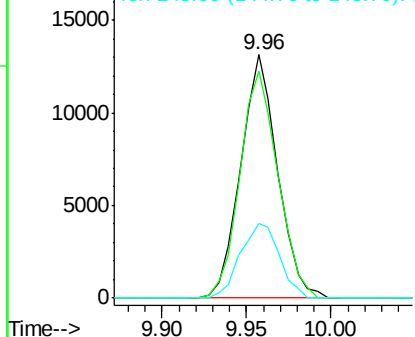


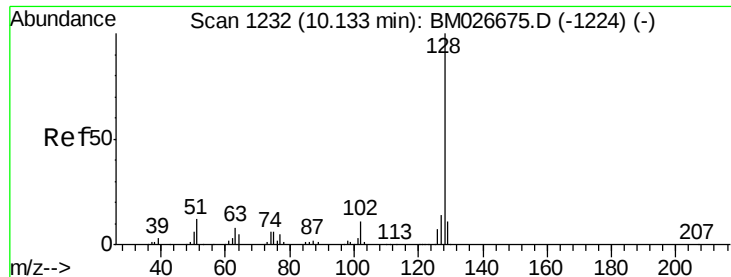
#30
1,2,4-Trichlorobenzene
Concen: 4.592 ng
RT: 9.96 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	77.8	116.6
145	30.5	25.0	37.6



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

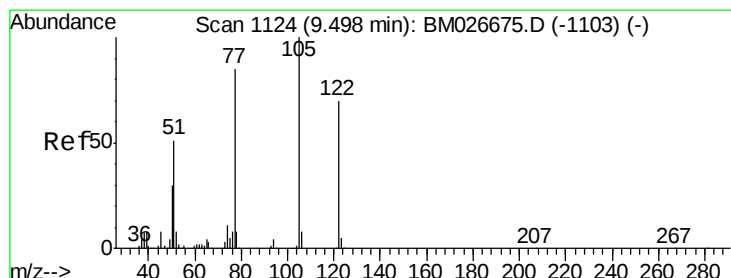
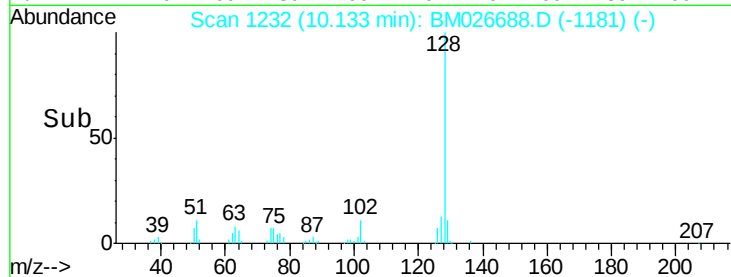
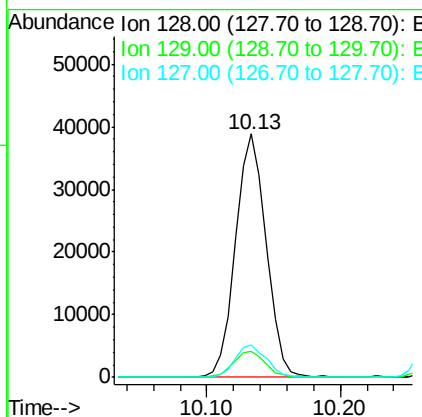
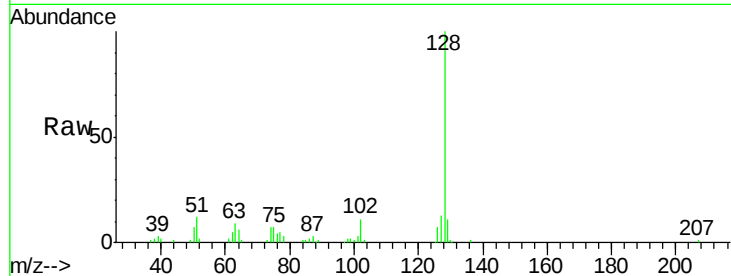




#31
Naphthalene
Concen: 4.655 ng
RT: 10.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

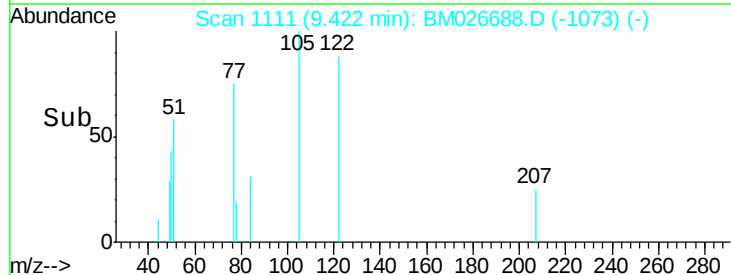
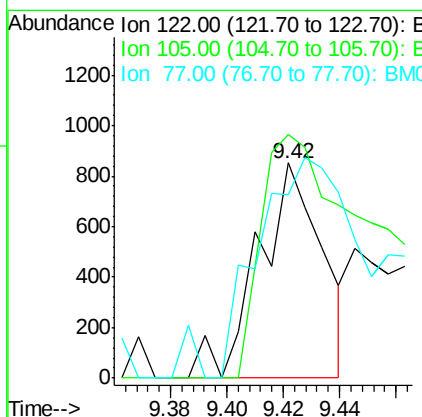
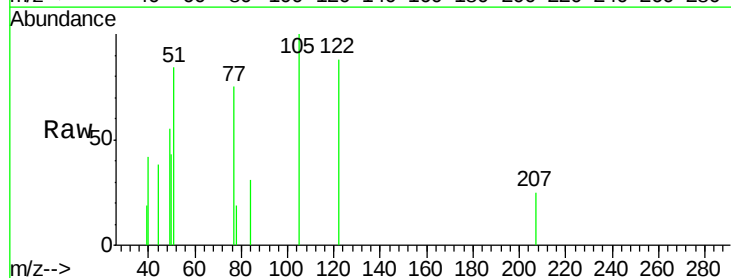
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

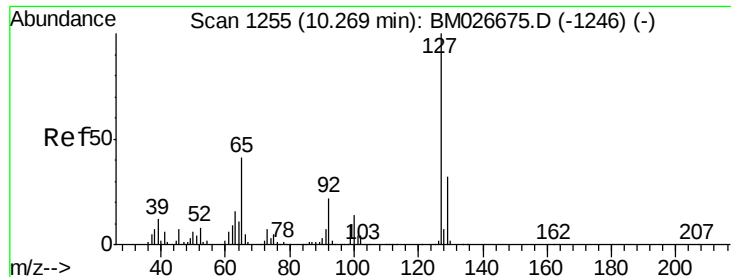
Tot Ion:128 Resp: 61904
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.1 10.8 16.2



#32
Benzoic acid
Concen: 0.499 ng
RT: 9.42 min Scan# 1111
Delta R.T. -0.08 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion:122 Resp: 1339
Ion Ratio Lower Upper
122 100
105 113.3 120.9 160.9#
77 85.3 100.0 140.0#

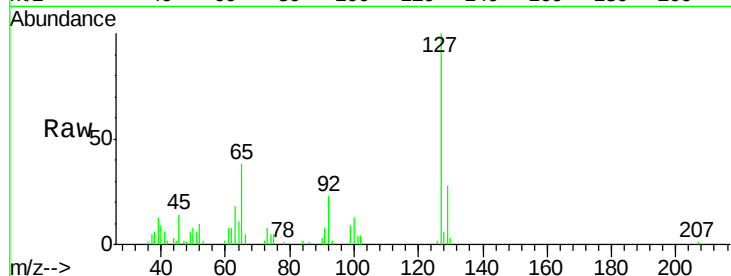




#33
4-Chloroaniline
Concen: 4.002 ng
RT: 10.27 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:127	Resp:	23283
Ion Ratio	Lower	Upper
127 100		
129 28.2	25.8	38.6
65 38.3	32.5	48.7
92 23.3	17.8	26.8



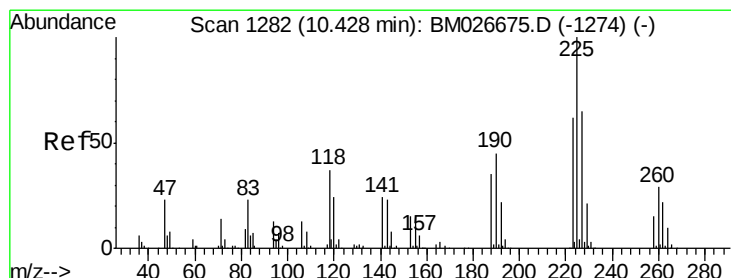
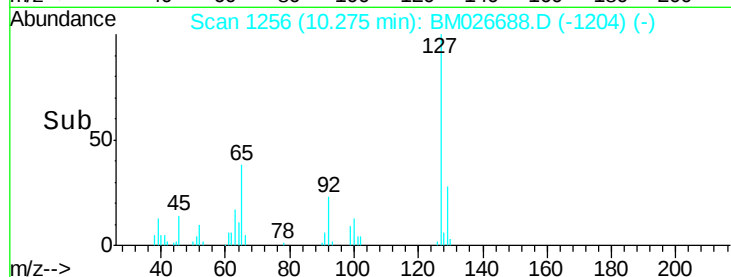
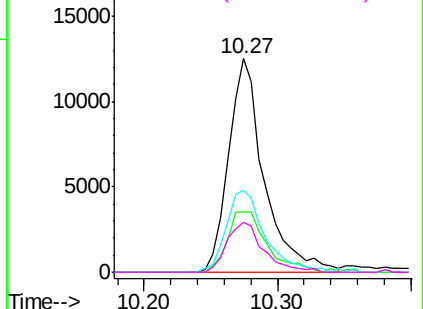
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

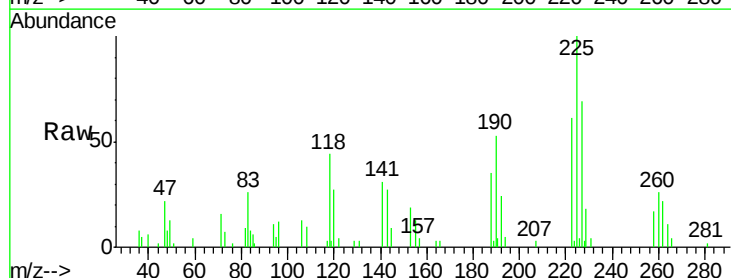
Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM



#34
Hexachlorobutadiene
Concen: 4.605 ng
RT: 10.42 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	225	Resp: Lower	13260 Upper
	Ratio		
225	100		
223	61.0	49.8	74.8
227	69.3	52.3	78.5

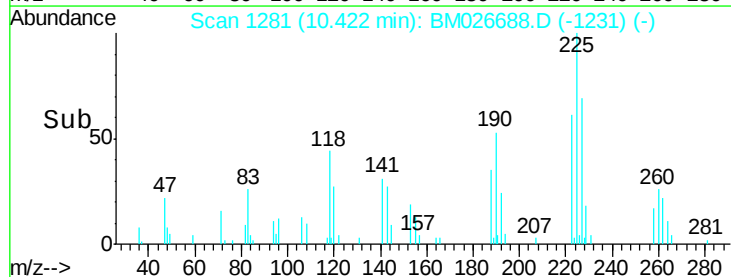
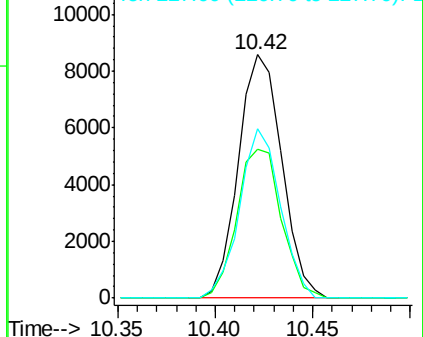


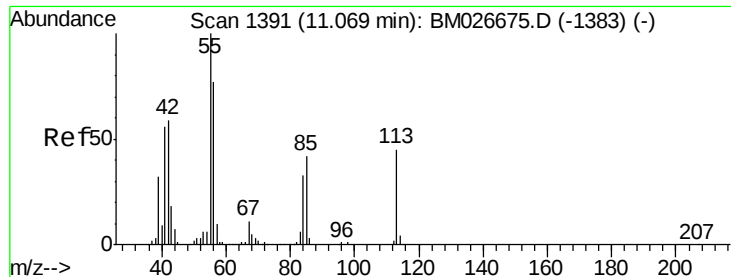
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 3.640 ng

RT: 11.06 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

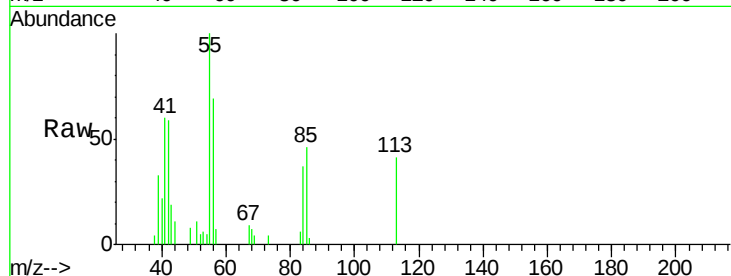
Tot Ion:113 Resp: 5025

Ion Ratio Lower Upper

113 100

55 242.7 203.5 243.5

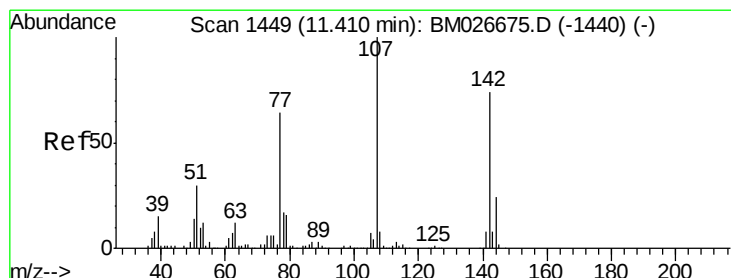
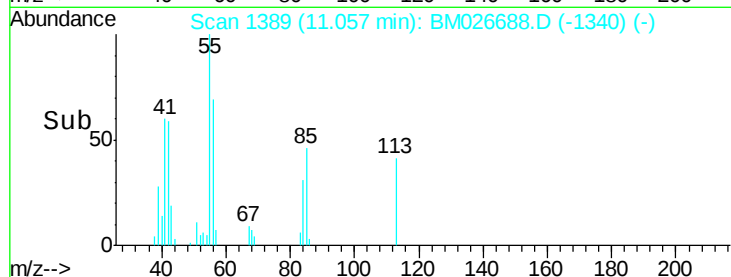
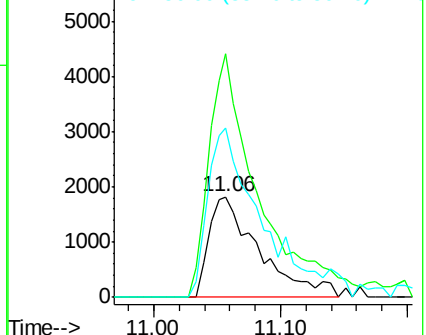
56 168.5 151.6 191.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 4.143 ng

RT: 11.41 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

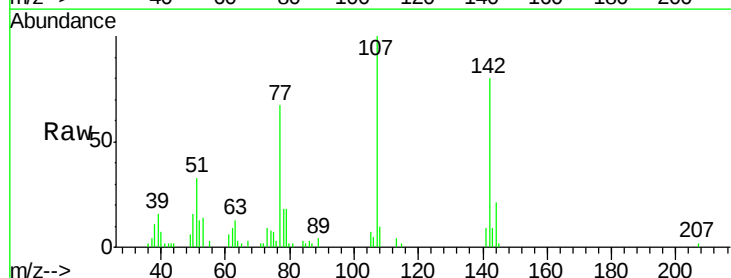
Tgt Ion:107 Resp: 20405

Ion Ratio Lower Upper

107 100

144 21.4 18.9 28.3

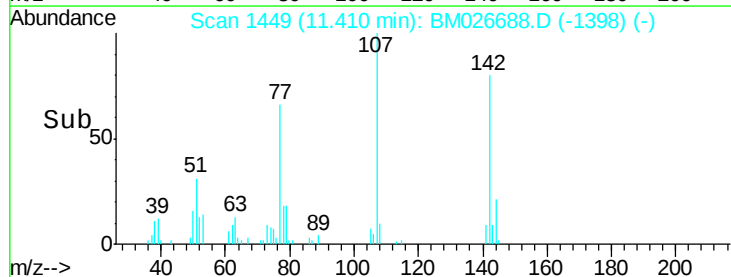
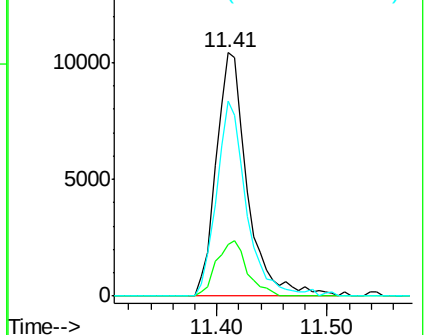
142 80.0 59.0 88.4

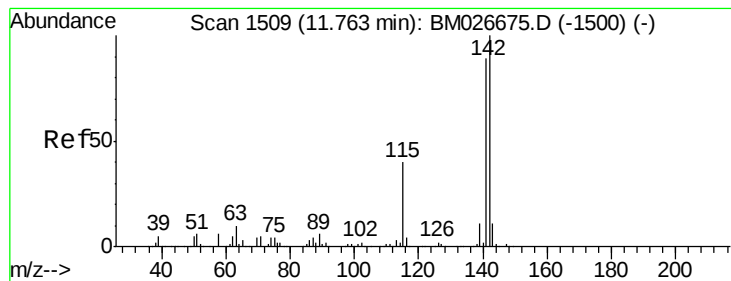


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 4.749 ng

RT: 11.76 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

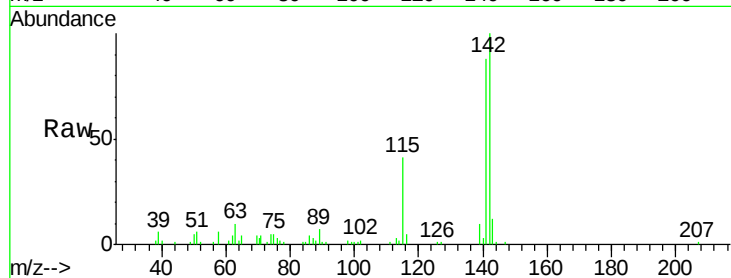
Tot Ion:142 Resp: 46789

Ion Ratio Lower Upper

142 100

141 88.1 71.4 107.0

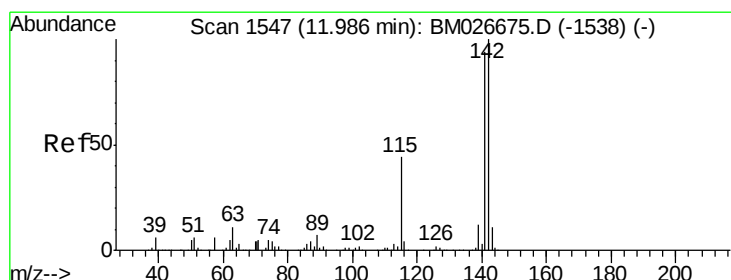
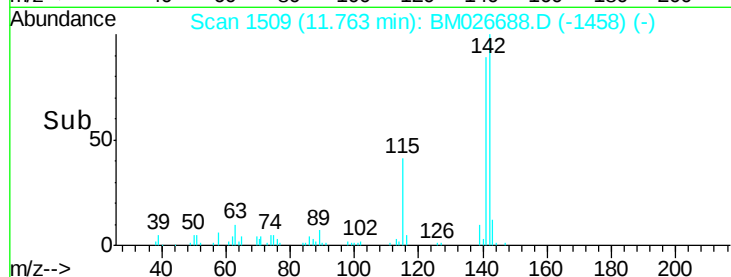
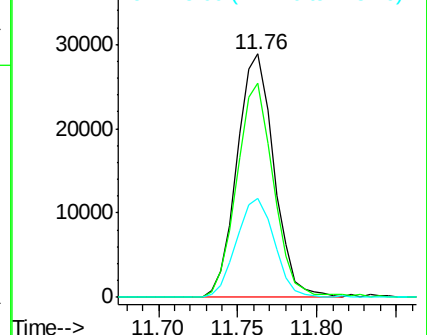
115 40.8 32.1 48.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 4.699 ng

RT: 11.99 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

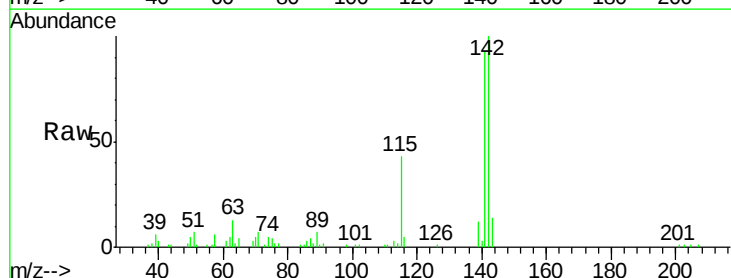
Tgt Ion:142 Resp: 44347

Ion Ratio Lower Upper

142 100

141 93.0 75.0 112.6

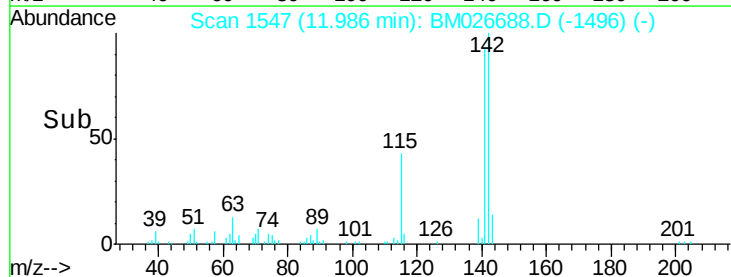
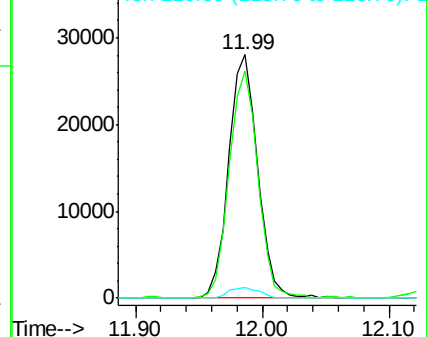
116 4.6 3.5 5.3

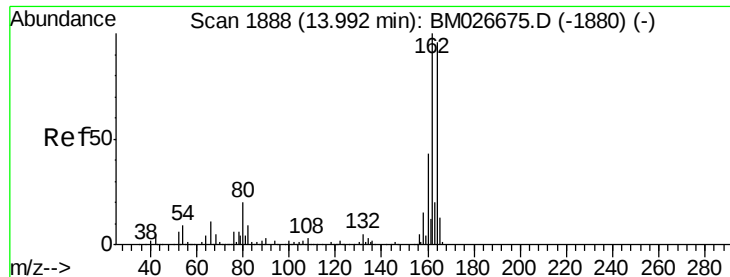


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.99 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

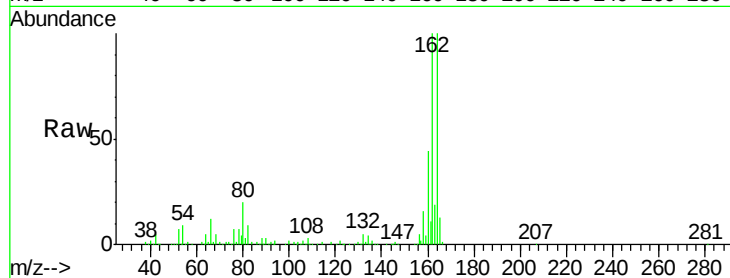
Tot Ion:164 Resp: 169942

Ion Ratio Lower Upper

164 100

162 99.7 83.7 125.5

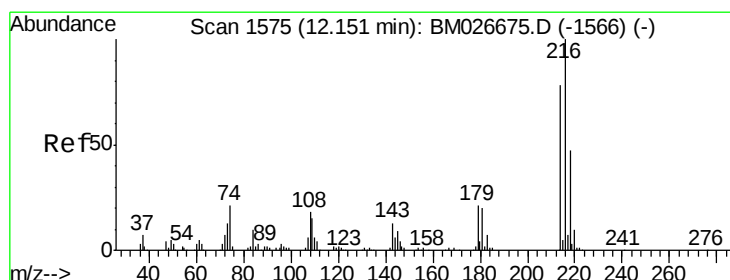
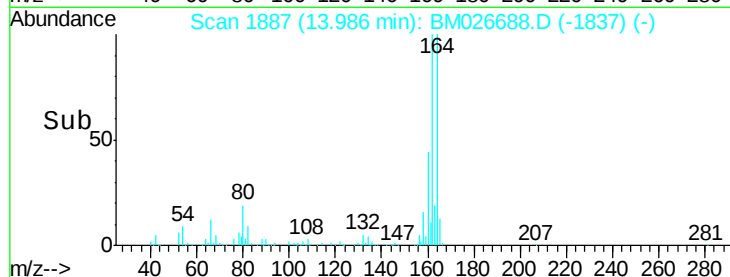
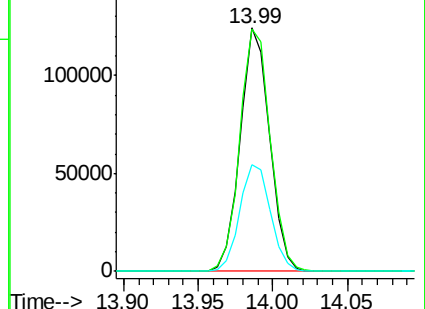
160 43.6 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.702 ng

RT: 12.15 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion:216 Resp: 25833

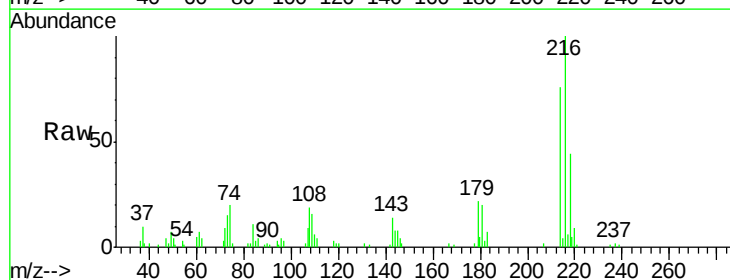
Ion Ratio Lower Upper

216 100

214 79.5 62.6 93.8

179 21.8 17.5 26.3

108 19.1 16.7 25.1

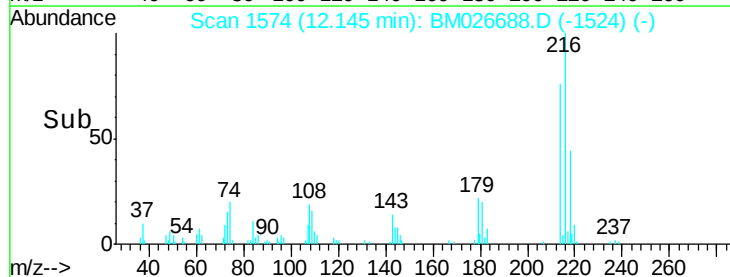
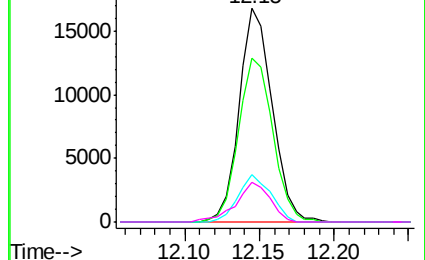


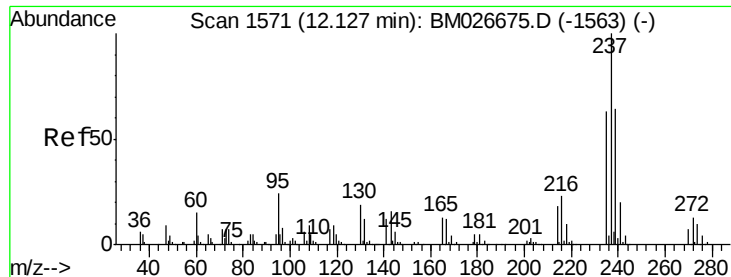
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 2.545 ng

RT: 12.12 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

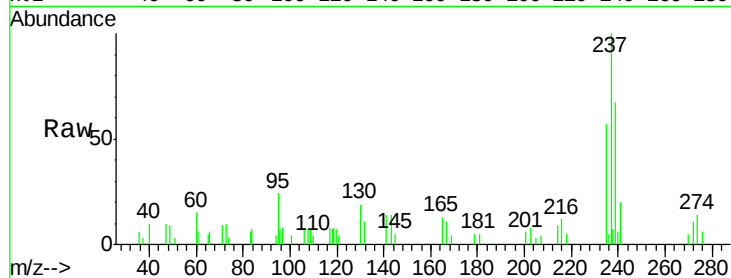
Tot Ion:237 Resp: 6671

Ion Ratio Lower Upper

237 100

235 57.0 42.8 82.8

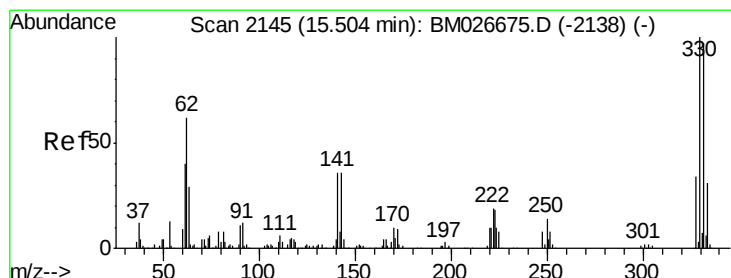
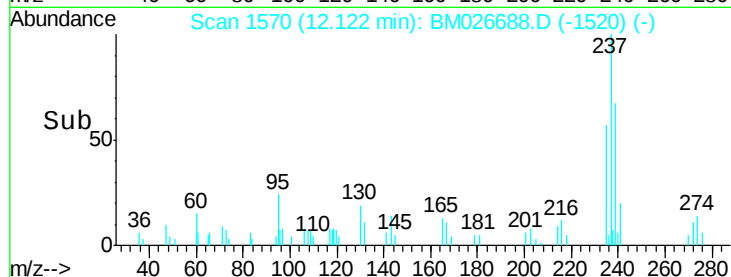
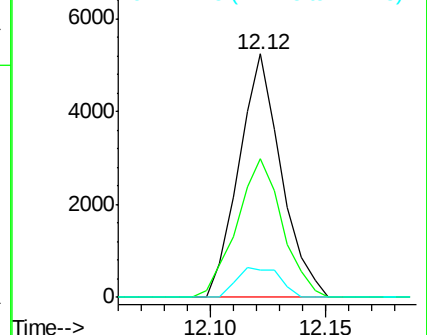
272 11.0 0.0 32.8



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 191.444 ng

RT: 15.50 min Scan# 2144

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

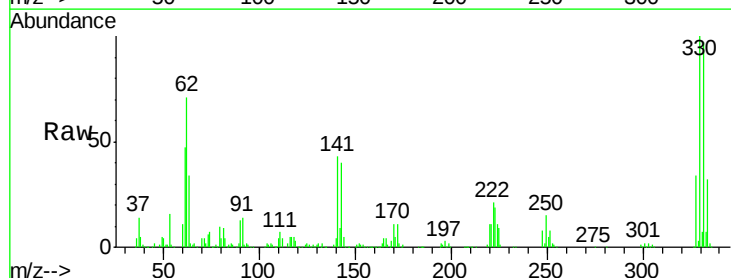
Tgt Ion:330 Resp: 473926

Ion Ratio Lower Upper

330 100

332 97.6 77.5 116.3

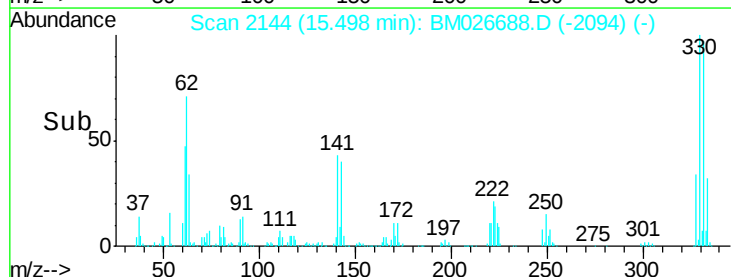
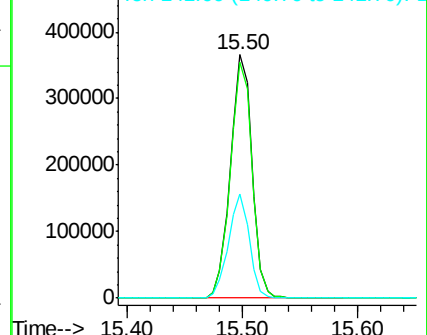
141 41.8 32.4 48.6

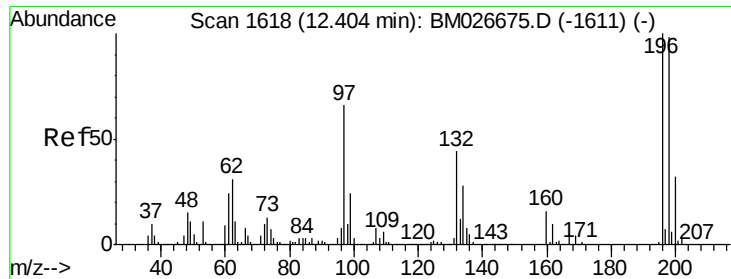


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

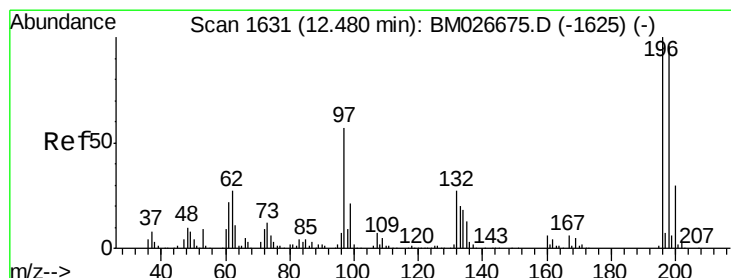
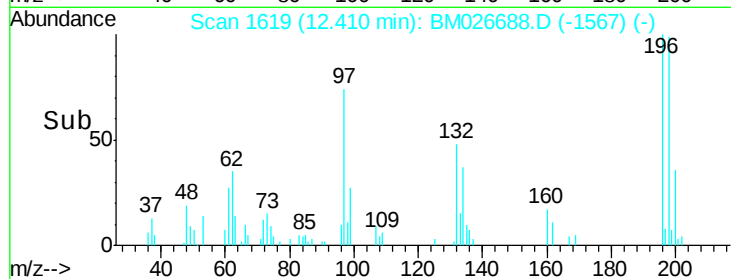
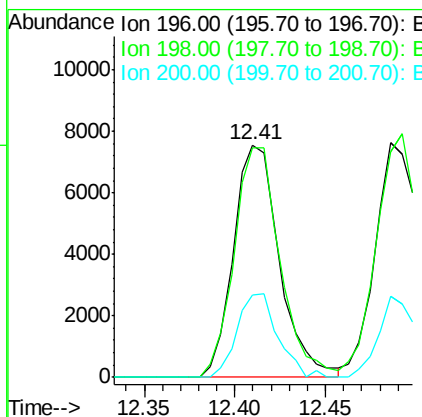
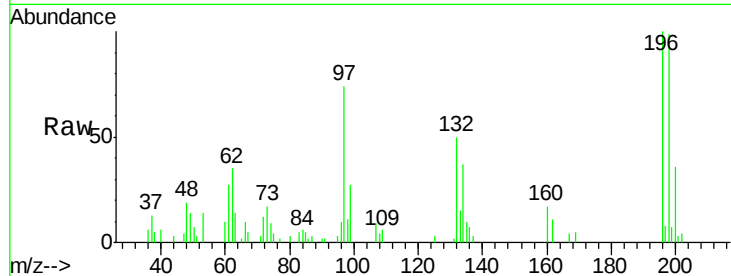




#43
 2,4,6-Trichlorophenol
 Concen: 3.716 ng
 RT: 12.41 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

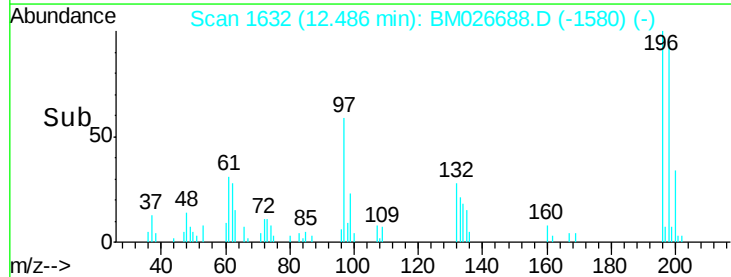
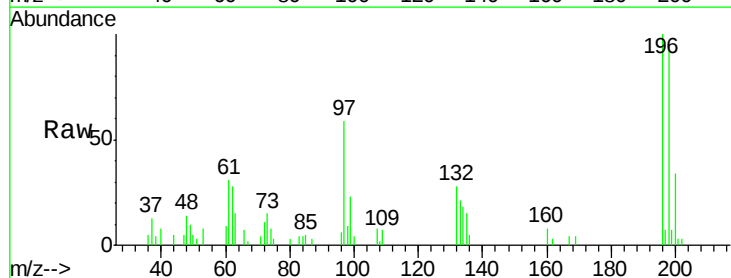
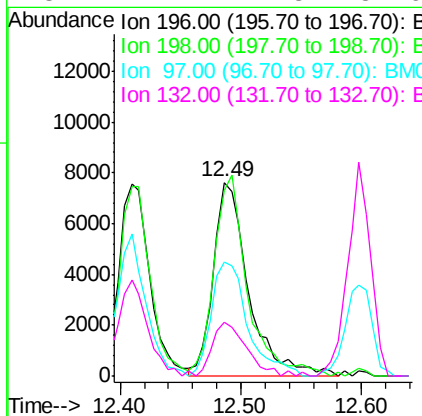
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

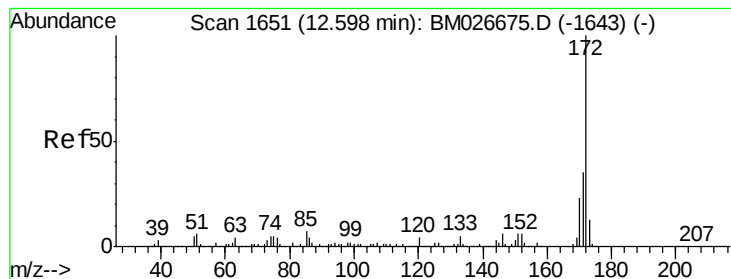
Tot Ion:196 Resp: 13374
 Ion Ratio Lower Upper
 196 100
 198 98.6 78.6 118.0
 200 35.6 25.3 37.9



#44
 2,4,5-Trichlorophenol
 Concen: 3.649 ng
 RT: 12.49 min Scan# 1632
 Delta R.T. 0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion:196 Resp: 15432
 Ion Ratio Lower Upper
 196 100
 198 96.2 77.0 115.6
 97 59.1 45.7 68.5
 132 27.7 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 157.016 ng

RT: 12.60 min Scan# 1651

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

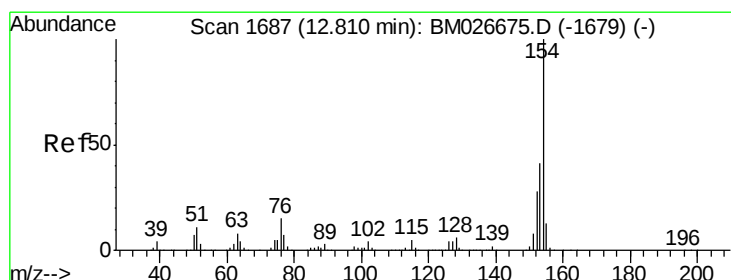
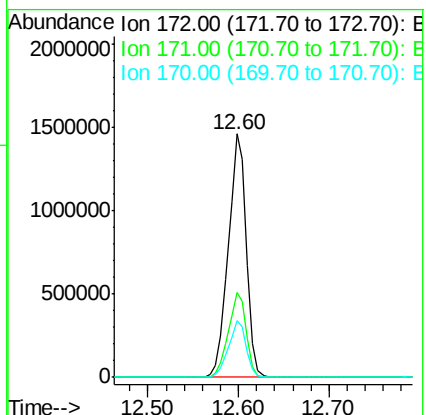
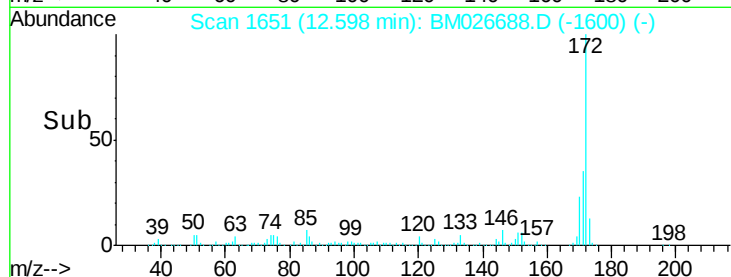
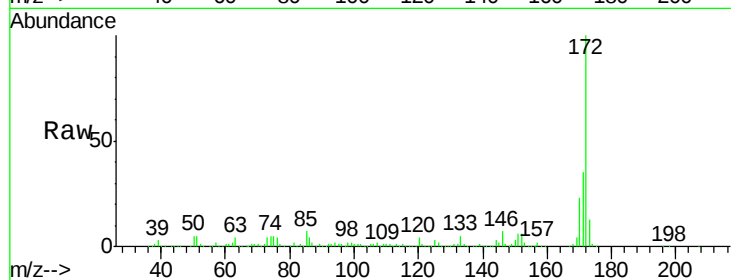
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:172 Resp: 2006843

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.2	18.5	27.7



#46

1,1'-Biphenyl

Concen: 5.187 ng

RT: 12.81 min Scan# 1687

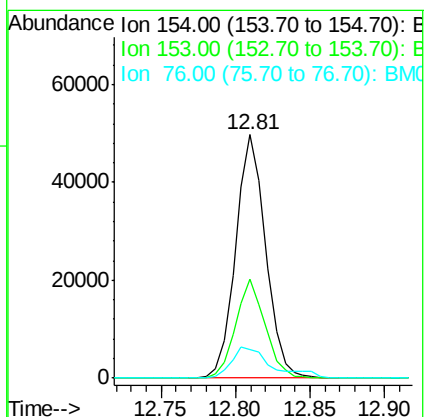
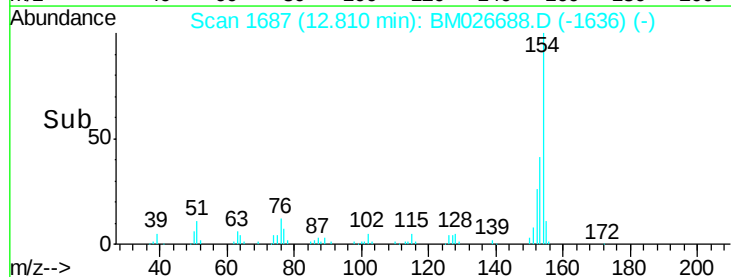
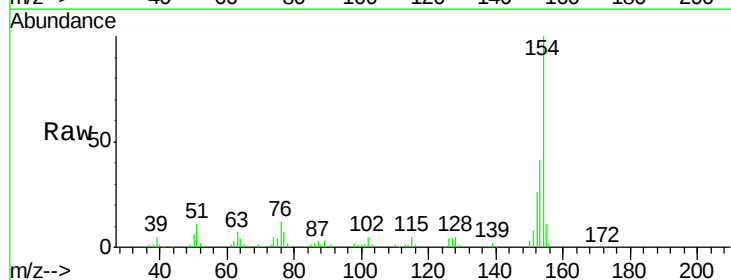
Delta R.T. 0.00 min

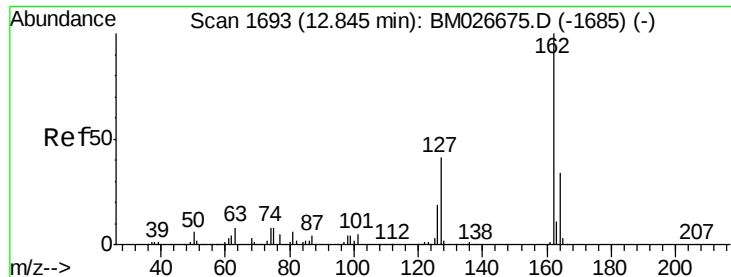
Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion:154 Resp: 69632

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.9	60.9
76	11.5	0.0	35.2

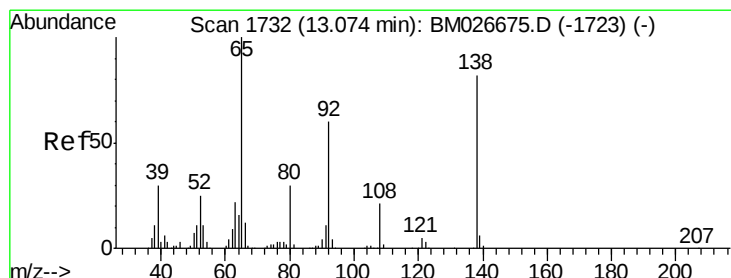
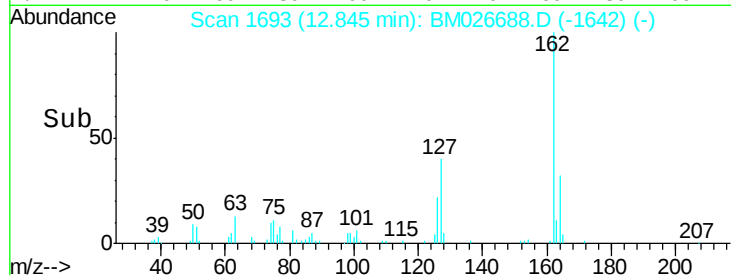
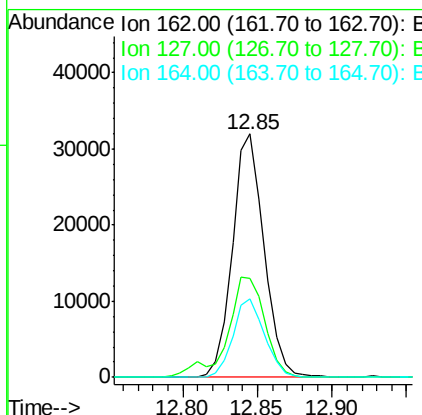
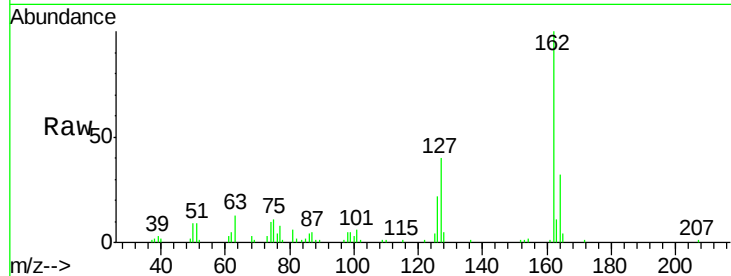




#47
2-Chloronaphthalene
Concen: 4.355 ng
RT: 12.85 min Scan# 1693
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

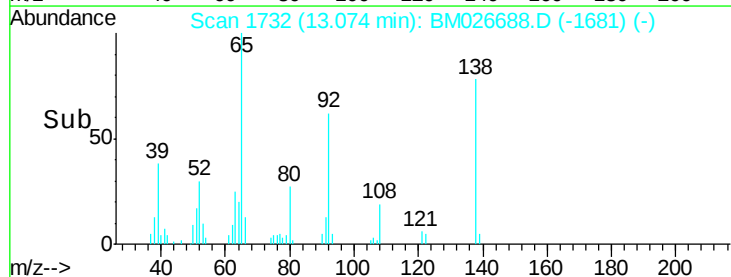
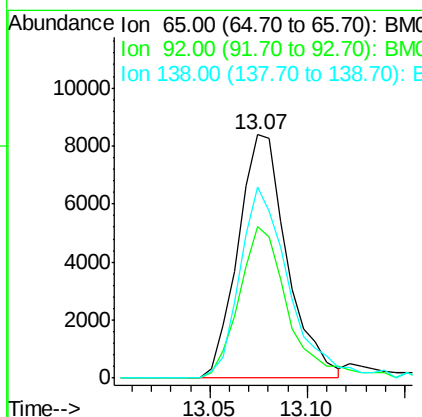
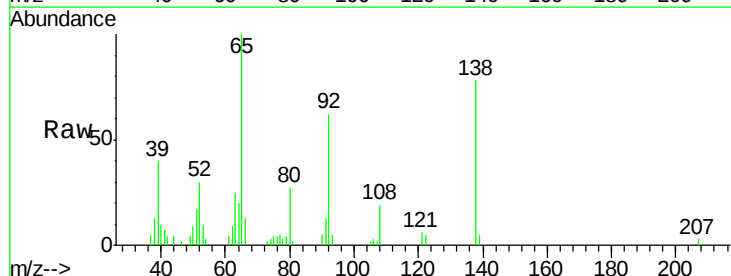
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

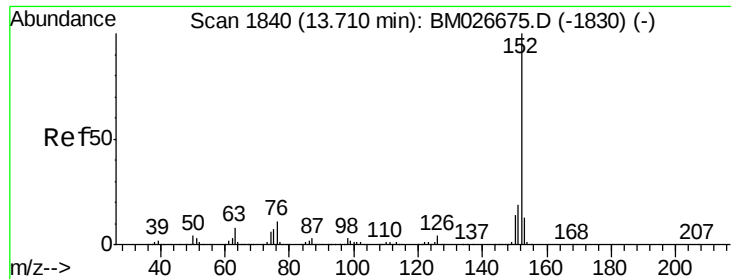
Tot Ion:162 Resp: 47226
Ion Ratio Lower Upper
162 100
127 40.5 34.0 51.0
164 32.1 26.9 40.3



#48
2-Nitroaniline
Concen: 3.274 ng
RT: 13.07 min Scan# 1732
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion: 65 Resp: 14609
Ion Ratio Lower Upper
65 100
92 62.1 47.8 71.8
138 78.4 65.6 98.4





#49

Acenaphthylene

Concen: 4.396 ng

RT: 13.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

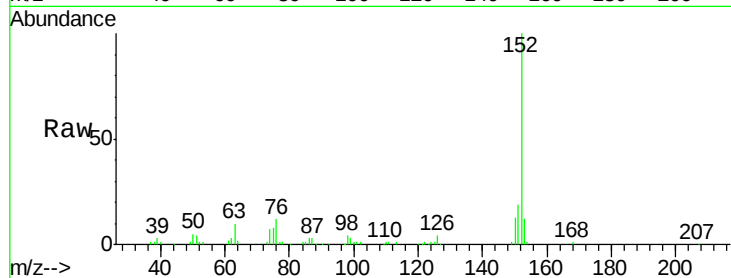
Tot Ion:152 Resp: 76206

Ion Ratio Lower Upper

152 100

151 18.6 15.6 23.4

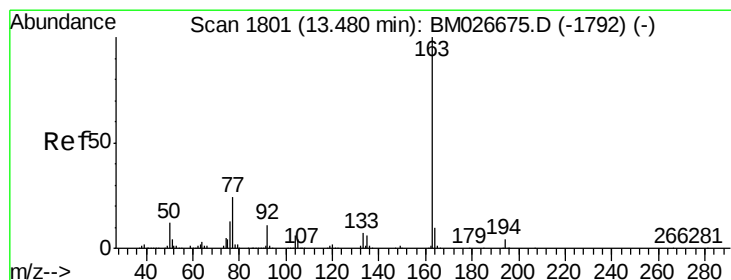
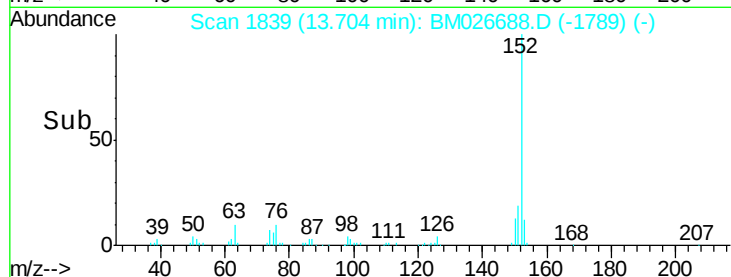
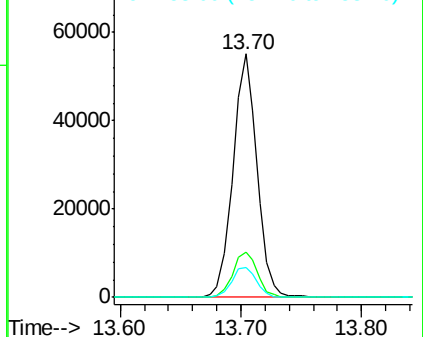
153 12.1 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.536 ng

RT: 13.47 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

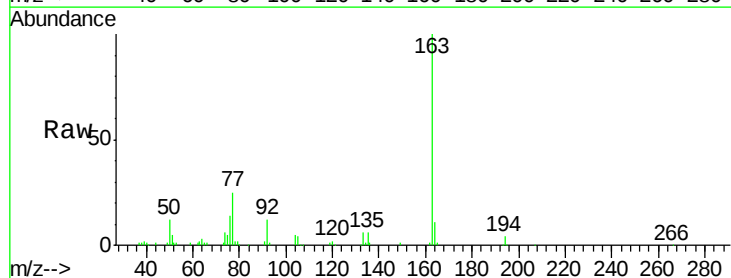
Tgt Ion:163 Resp: 65940

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

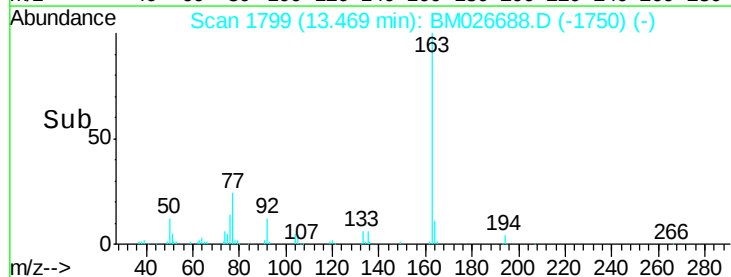
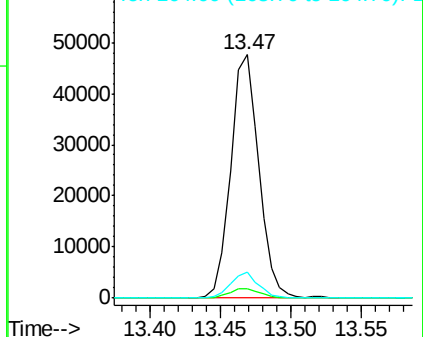
164 10.7 7.8 11.6

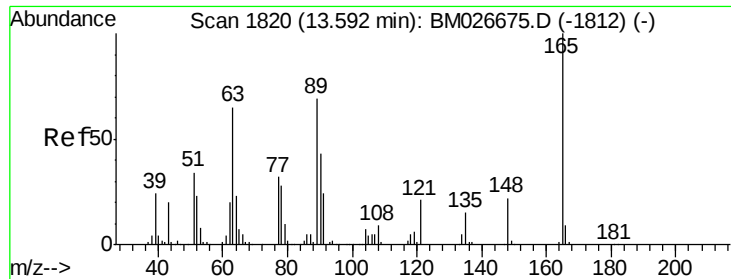


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 3.992 ng

RT: 13.59 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

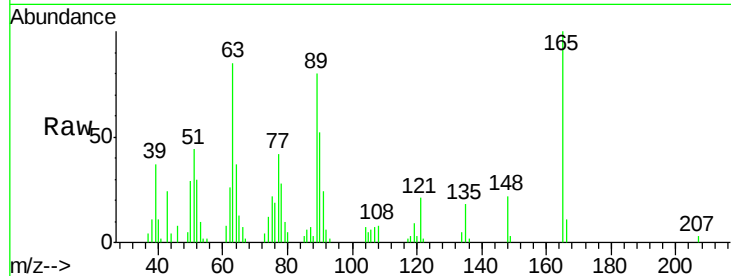
Tot Ion:165 Resp: 12427

Ion Ratio Lower Upper

165 100

63 85.3 61.1 91.7

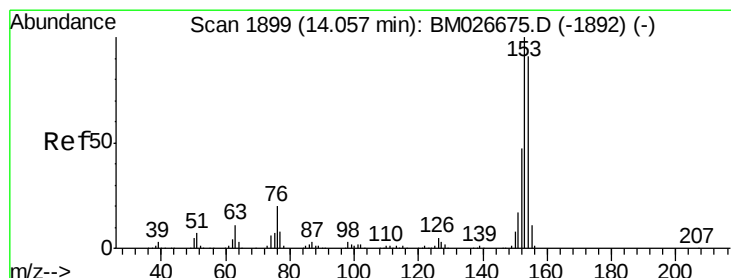
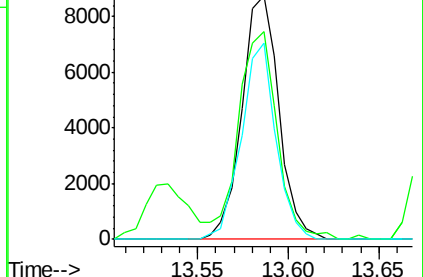
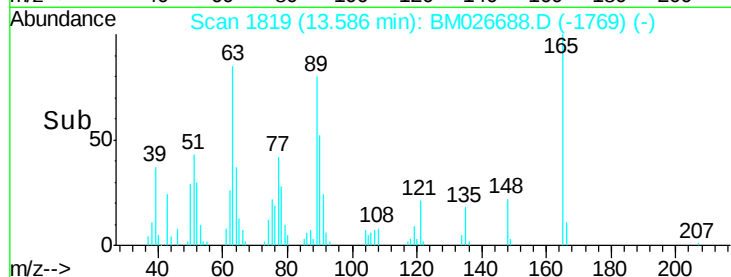
89 80.4 54.9 82.3



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0



#52

Acenaphthene

Concen: 4.522 ng

RT: 14.05 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

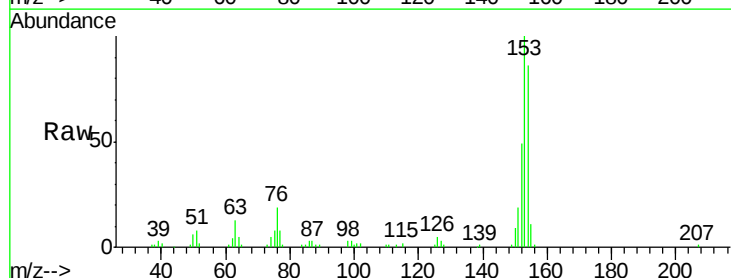
Tgt Ion:154 Resp: 47643

Ion Ratio Lower Upper

154 100

153 116.2 88.3 132.5

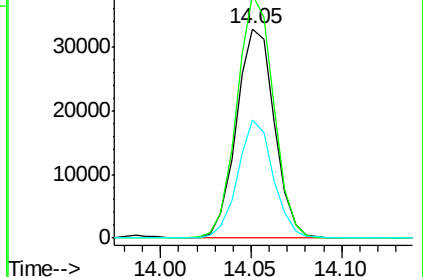
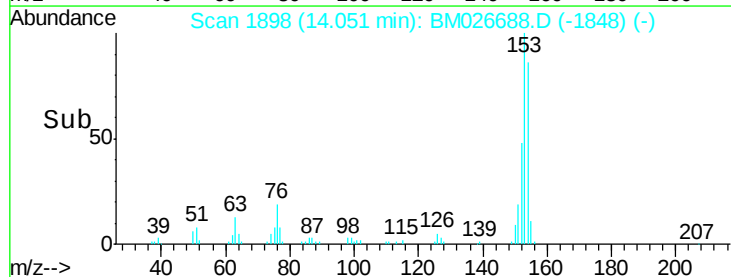
152 56.4 41.1 61.7

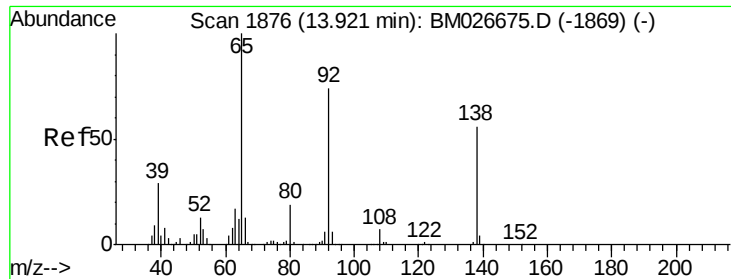


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

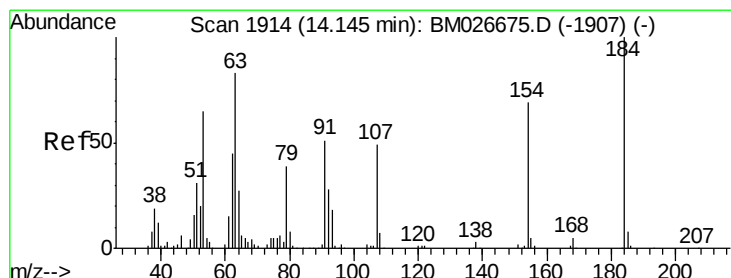
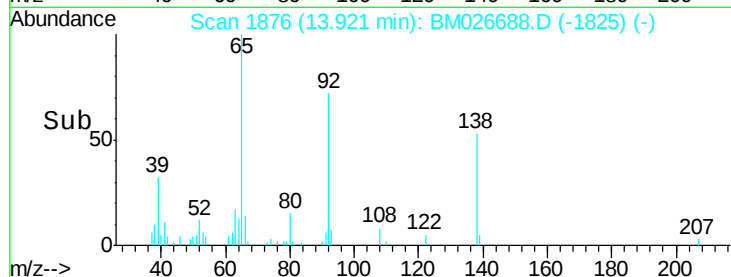
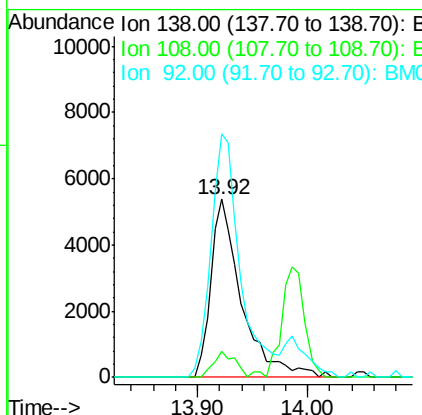
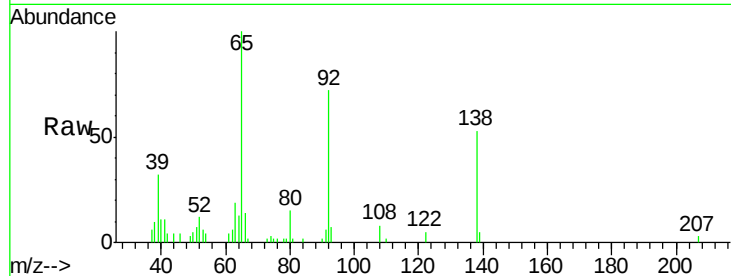




#53
3-Nitroaniline
Concen: 3.184 ng
RT: 13.92 min Scan# 1876
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

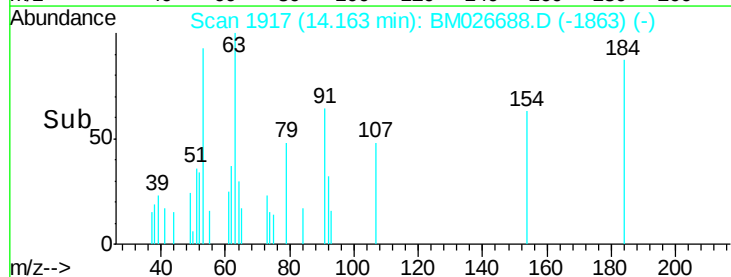
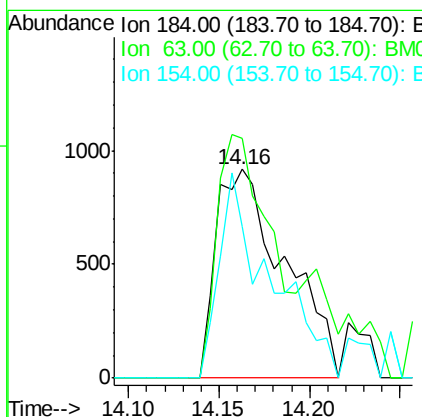
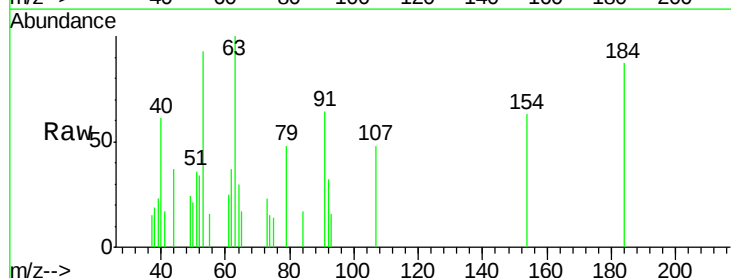
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

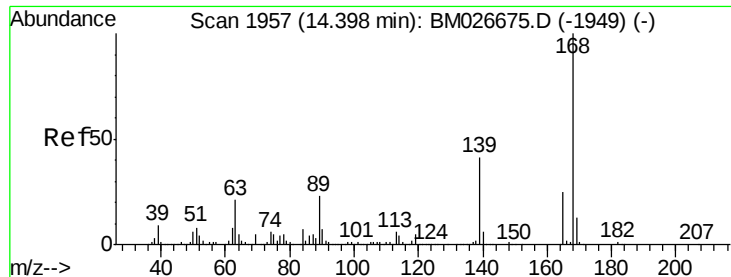
Tot Ion:138 Resp: 10311
Ion Ratio Lower Upper
138 100
108 14.6 9.7 14.5#
92 136.9 105.6 158.4



#54
2,4-Dinitrophenol
Concen: 1.331 ng
RT: 14.16 min Scan# 1917
Delta R.T. 0.02 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion:184 Resp: 2425
Ion Ratio Lower Upper
184 100
63 114.7 66.2 99.4#
154 72.5 55.2 82.8

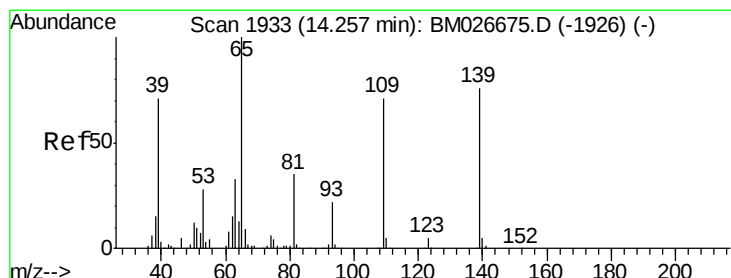
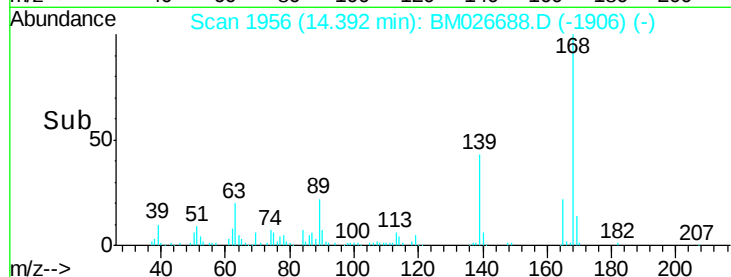
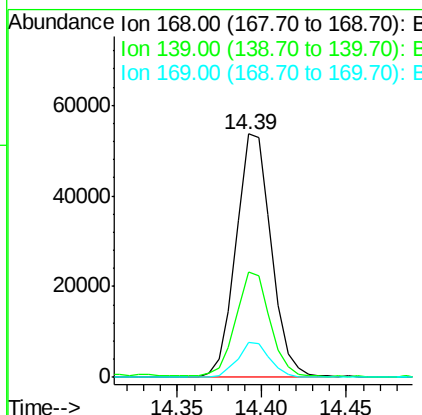
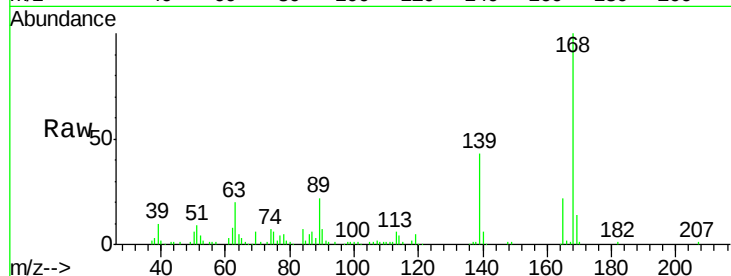




#55
Dibenzofuran
Concen: 4.518 ng
RT: 14.39 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

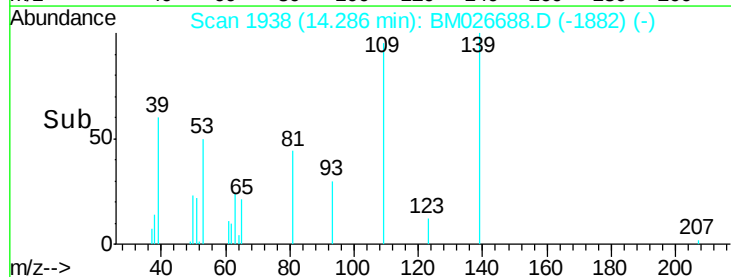
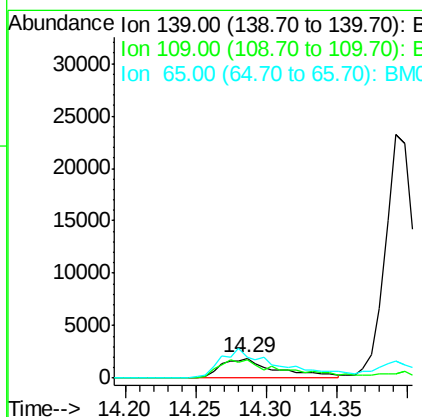
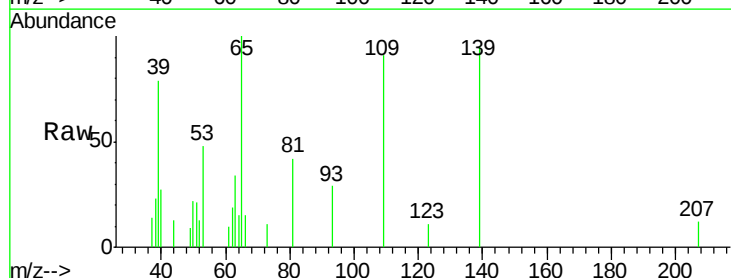
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

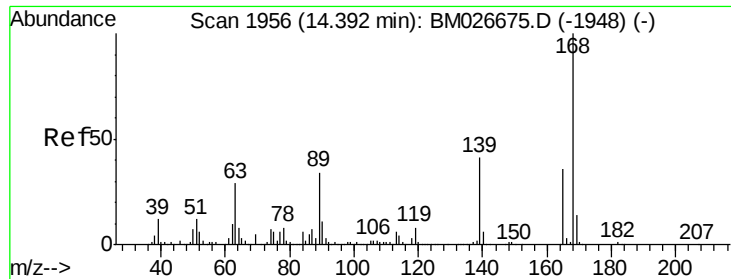
Tot Ion:168 Resp: 78038
Ion Ratio Lower Upper
168 100
139 43.3 32.6 48.8
169 14.3 10.5 15.7



#56
4-Nitrophenol
Concen: 2.044 ng
RT: 14.29 min Scan# 1938
Delta R.T. 0.03 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion:139 Resp: 5195
Ion Ratio Lower Upper
139 100
109 95.5 73.7 113.7
65 105.0 111.5 151.5#

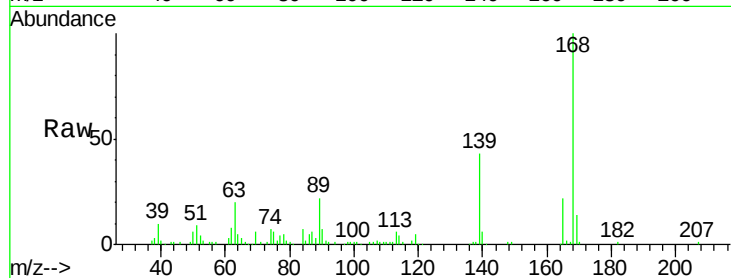




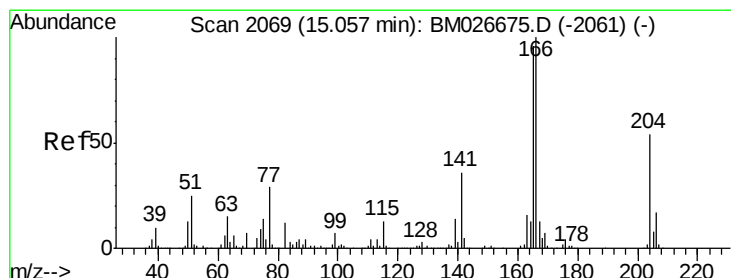
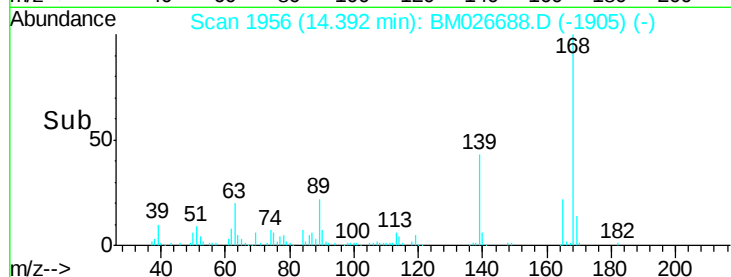
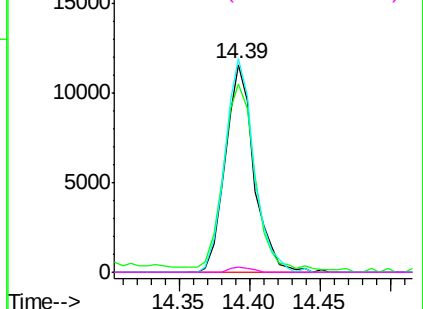
#57
2,4-Dinitrotoluene
Concen: 3.635 ng
RT: 14.39 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:165 Resp: 16330
Ion Ratio Lower Upper
165 100
63 90.9 64.6 97.0
89 103.0 75.4 113.2
182 2.8 2.2 3.4

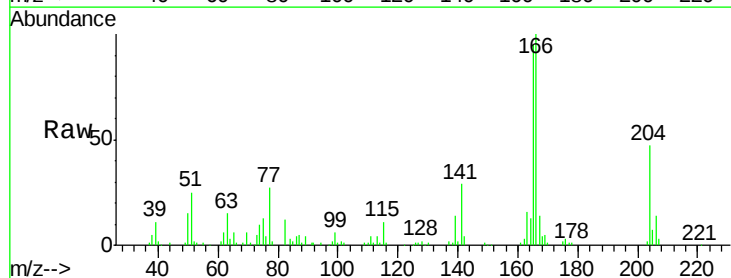


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 89.00 (88.70 to 89.70): BM0
Ion 182.00 (181.70 to 182.70): E

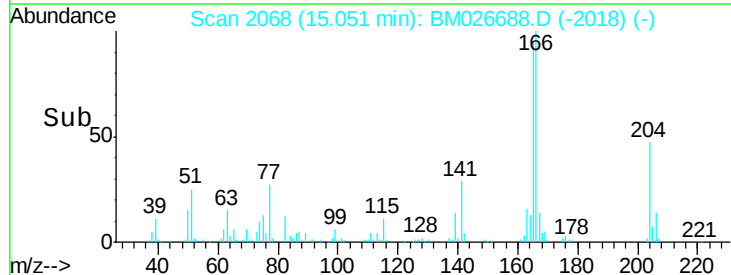
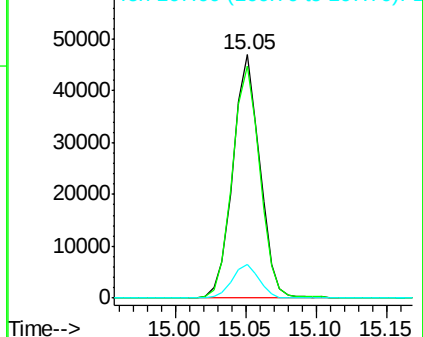


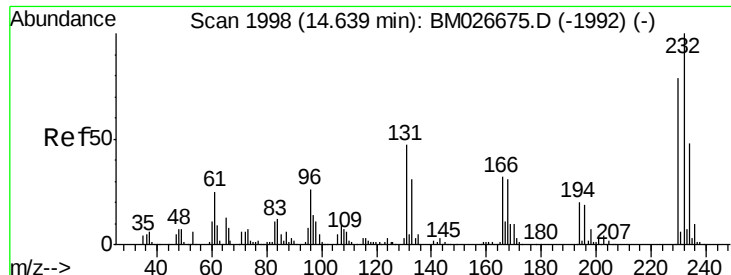
#58
Fluorene
Concen: 4.371 ng
RT: 15.05 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion:166 Resp: 62517
Ion Ratio Lower Upper
166 100
165 95.1 77.1 115.7
167 13.6 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

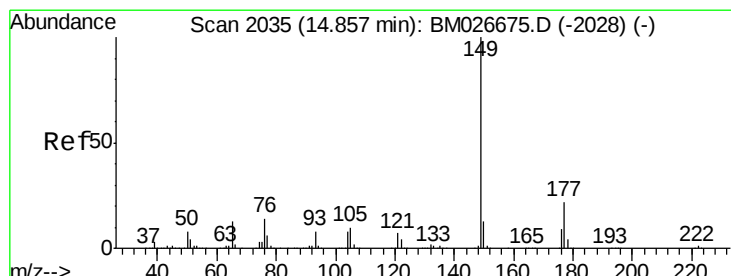
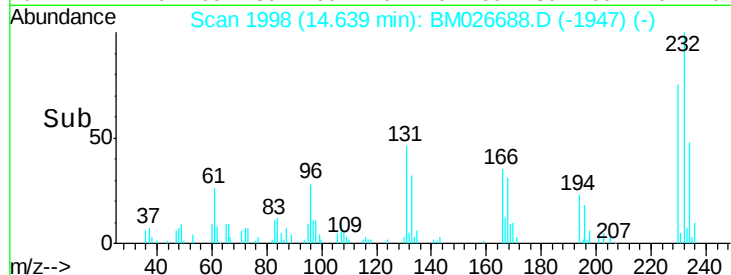
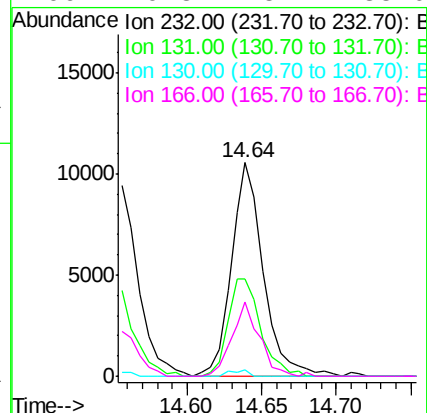
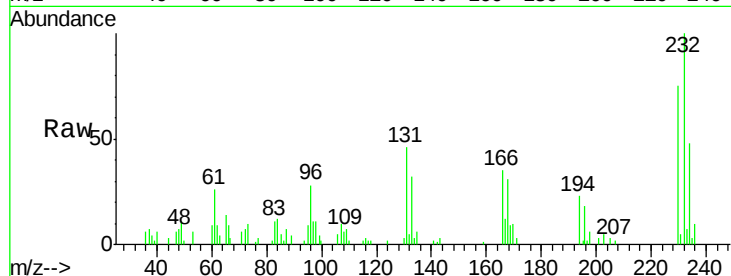




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.276 ng
 RT: 14.64 min Scan# 1998
 Delta R.T. 0.00 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

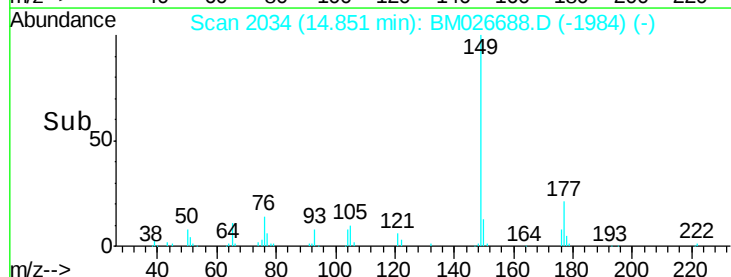
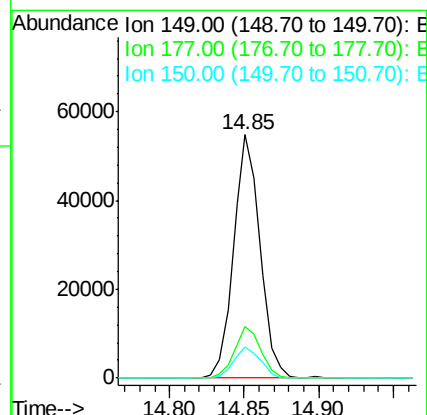
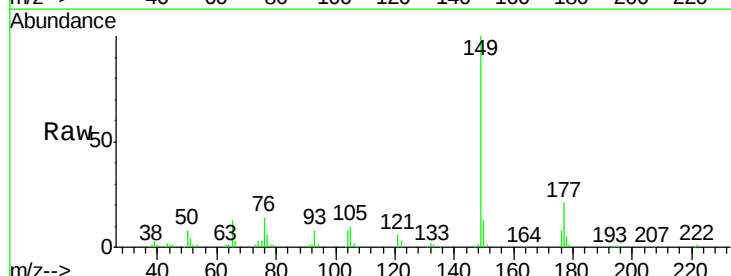
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

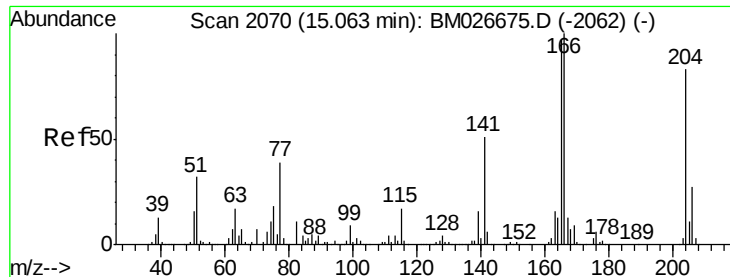
Tot Ion:232 Resp: 15792
 Ion Ratio Lower Upper
 232 100
 131 46.7 38.4 57.6
 130 1.6 2.2 3.2#
 166 29.8 25.4 38.0



#60
 Diethylphthalate
 Concen: 4.421 ng
 RT: 14.85 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion:149 Resp: 67946
 Ion Ratio Lower Upper
 149 100
 177 21.1 17.8 26.6
 150 13.0 10.2 15.4

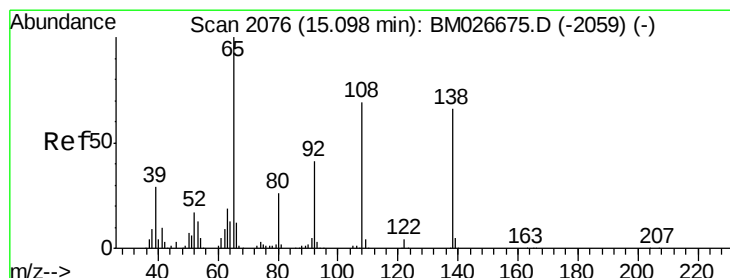
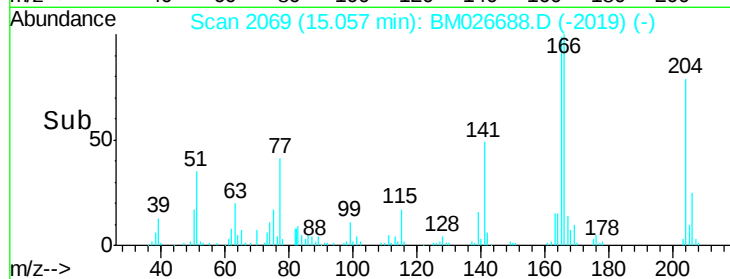
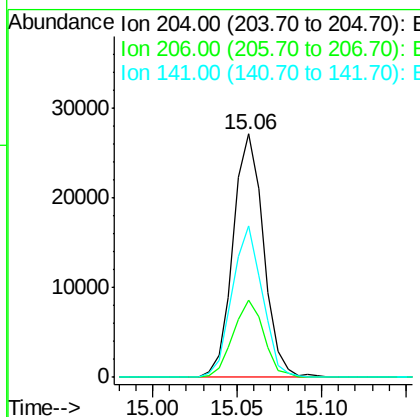
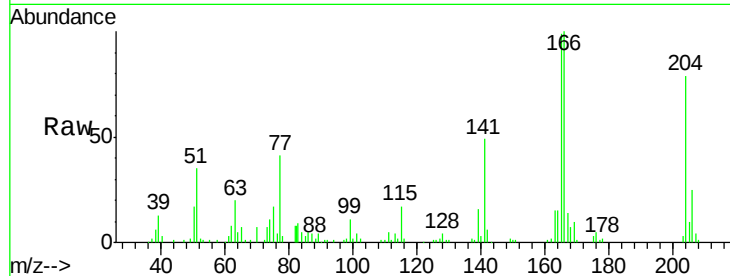




#61
4-Chlorophenyl-phenylether
Concen: 4.388 ng
RT: 15.06 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

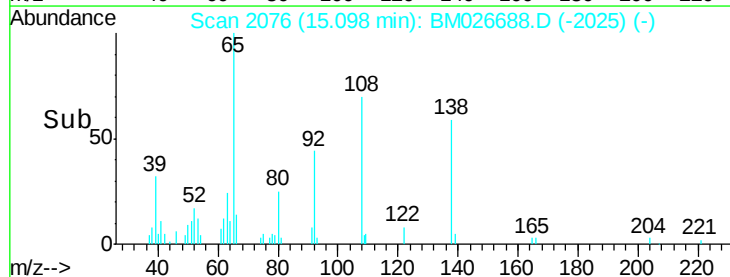
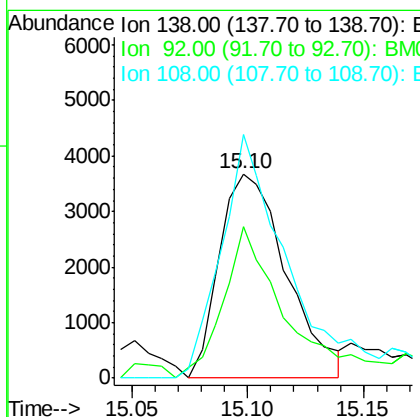
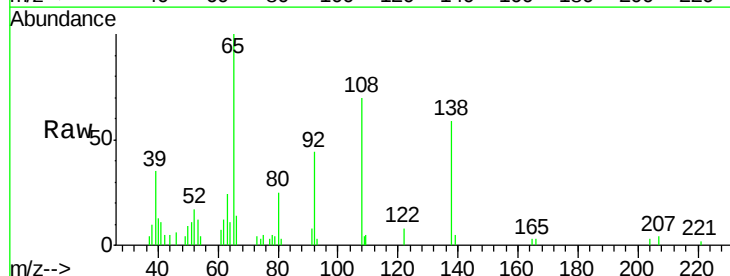
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

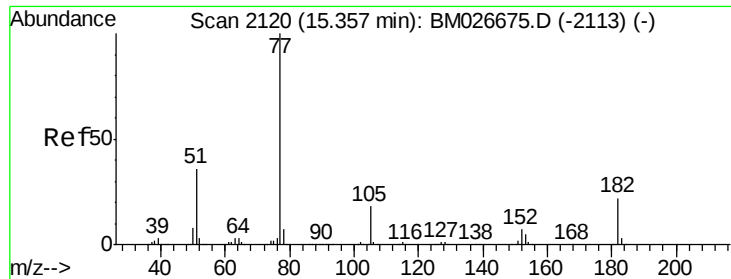
Tot Ion:204 Resp: 34006
Ion Ratio Lower Upper
204 100
206 31.7 25.9 38.9
141 62.0 49.5 74.3



#62
4-Nitroaniline
Concen: 2.199 ng
RT: 15.10 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion:138 Resp: 7432
Ion Ratio Lower Upper
138 100
92 74.2 41.5 81.5
108 119.4 84.8 124.8

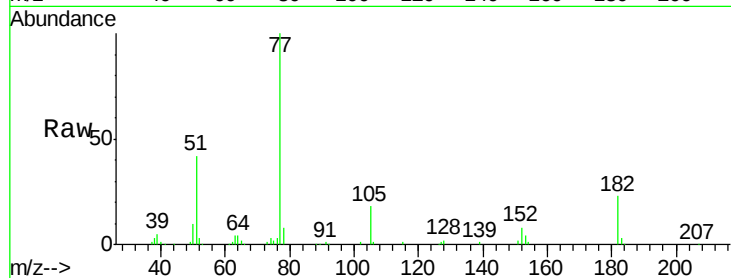




#63
Azobenzene
Concen: 4.179 ng
RT: 15.35 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	77	Resp:	70556
Ion	Ratio	Lower	Upper
77	100		
182	22.9	1.6	41.6
105	17.7	0.0	37.8
51	41.7	16.5	56.5

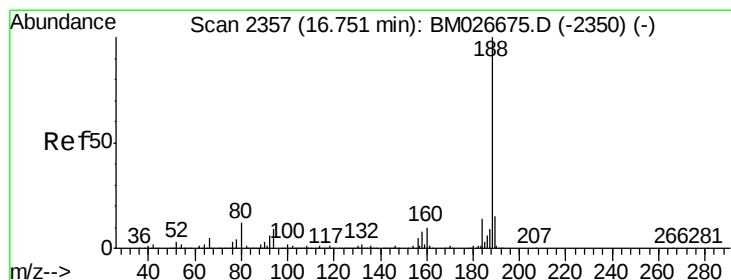
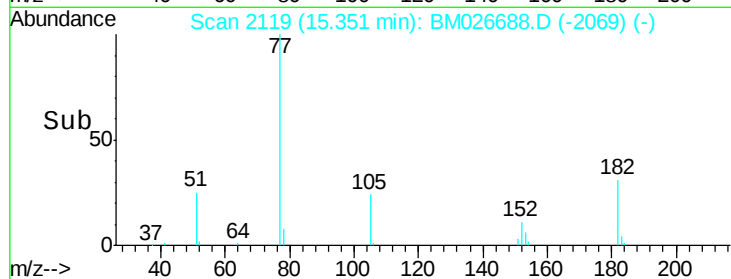
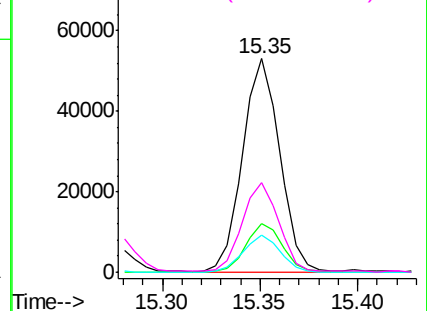


Abundance Ion 77.00 (76.70 to 77.70): BM026675.D (-2113) (-)

Ion 182.00 (181.70 to 182.70): BM026675.D (-2113) (-)

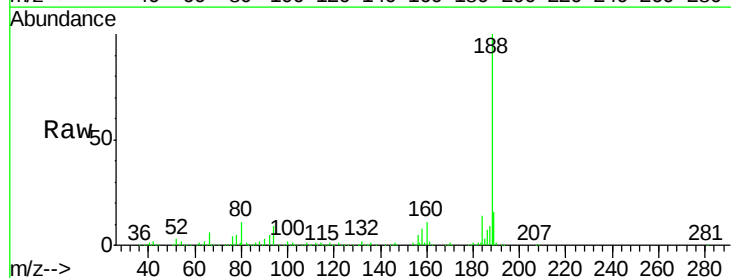
Ion 105.00 (104.70 to 105.70): BM026675.D (-2113) (-)

Ion 51.00 (50.70 to 51.70): BM026675.D (-2113) (-)



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.74 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

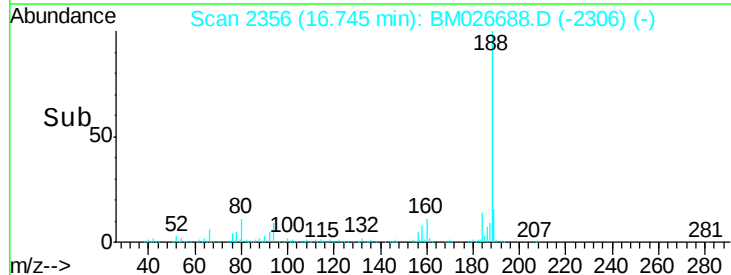
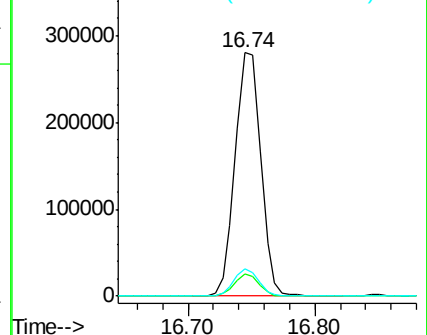
Tgt Ion:	188	Resp:	392844
Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.4	11.0
80	11.2	9.3	13.9

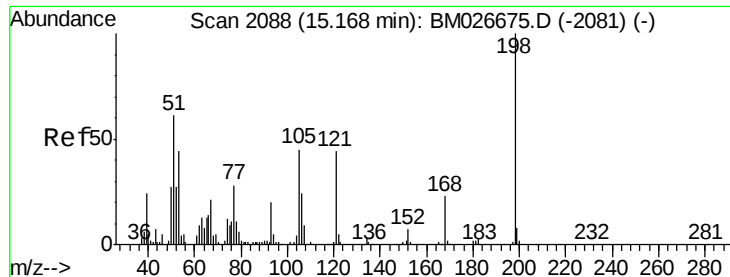


Abundance Ion 188.00 (187.70 to 188.70): BM026675.D (-2350) (-)

Ion 94.00 (93.70 to 94.70): BM026675.D (-2350) (-)

Ion 80.00 (79.70 to 80.70): BM026675.D (-2350) (-)

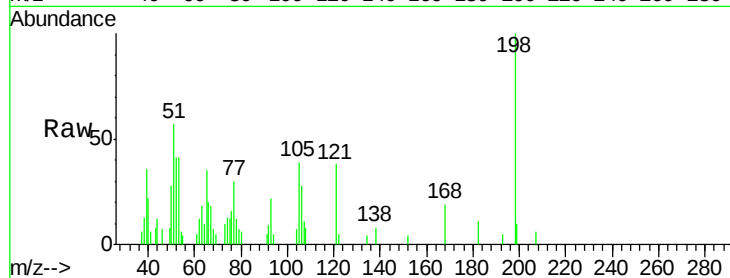




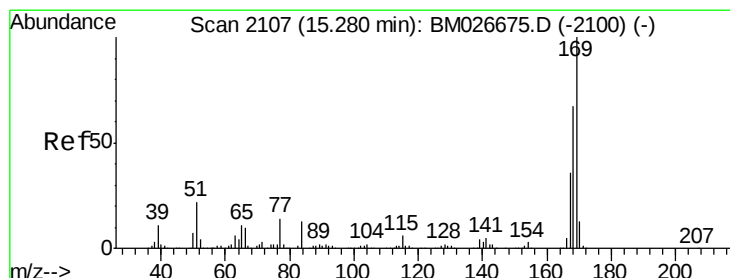
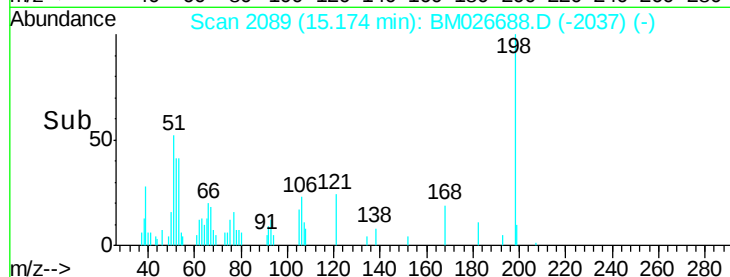
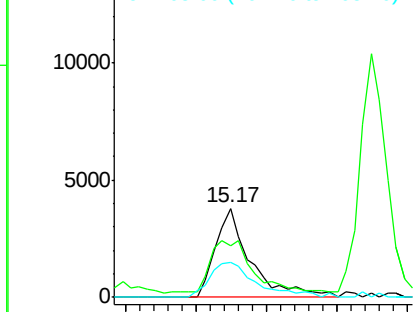
#65
4,6-Dinitro-2-methylphenol
Concen: 2.463 ng
RT: 15.17 min Scan# 2089
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:198 Resp: 6577
Ion Ratio Lower Upper
198 100
51 57.3 42.0 82.0
105 39.4 24.9 64.9

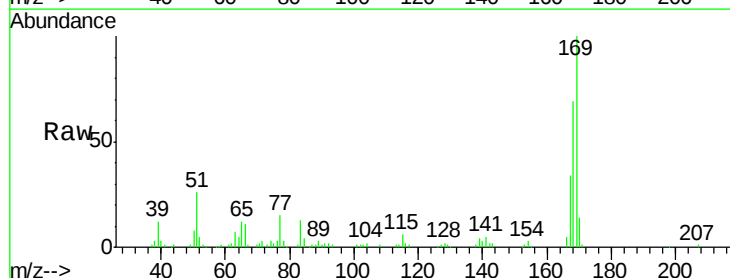


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BM026675.D (-2081) (-)
Ion 105.00 (104.70 to 105.70): E

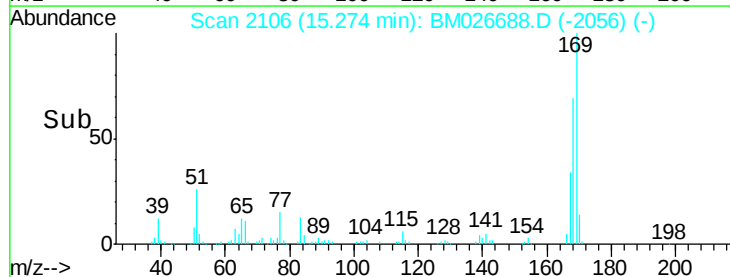
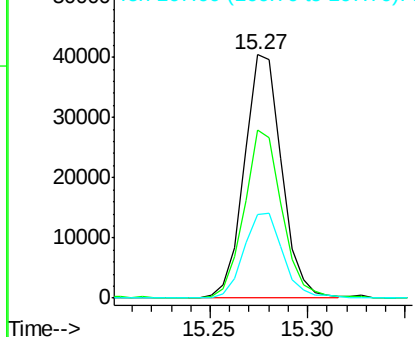


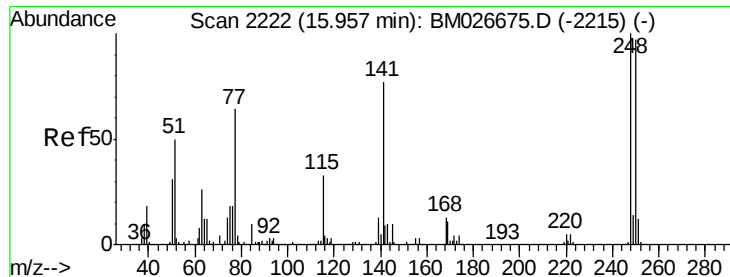
#66
n-Nitrosodiphenylamine
Concen: 4.301 ng
RT: 15.27 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion:169 Resp: 53690
Ion Ratio Lower Upper
169 100
168 69.2 53.8 80.8
167 34.3 28.6 43.0



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

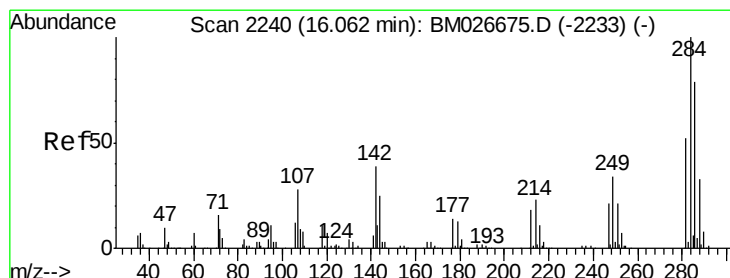
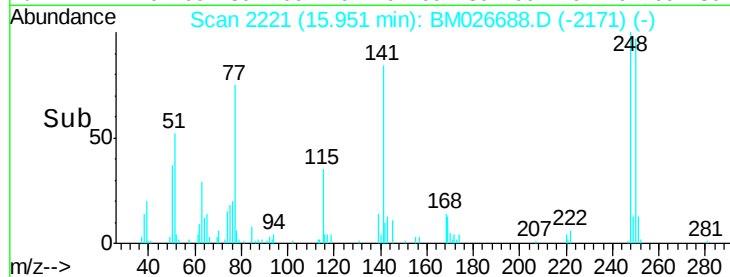
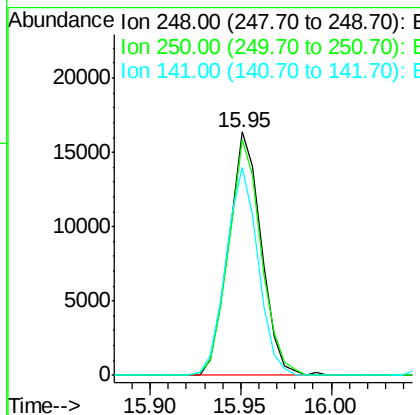
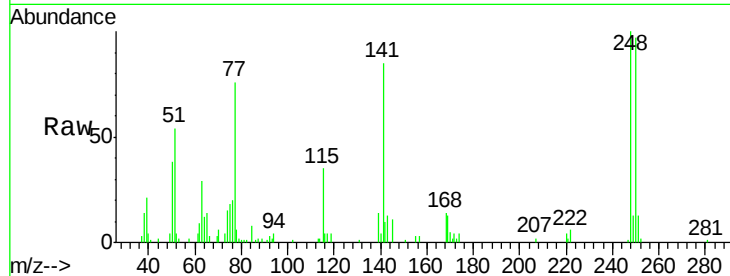




#67
4-Bromophenyl-phenylether
Concen: 4.177 ng
RT: 15.95 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

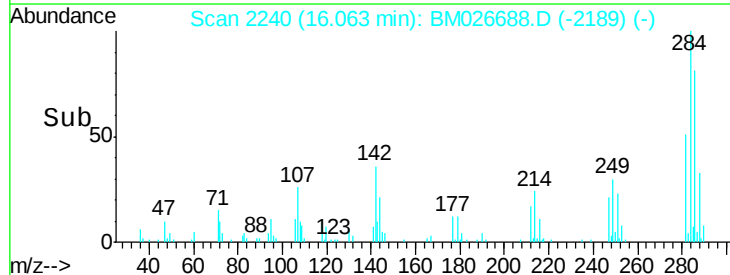
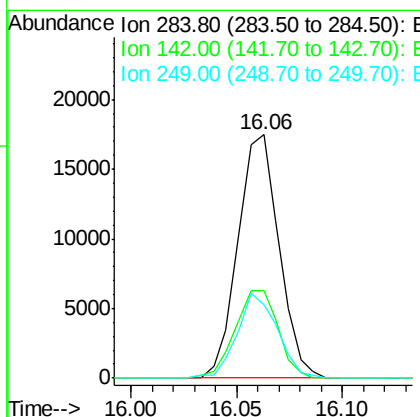
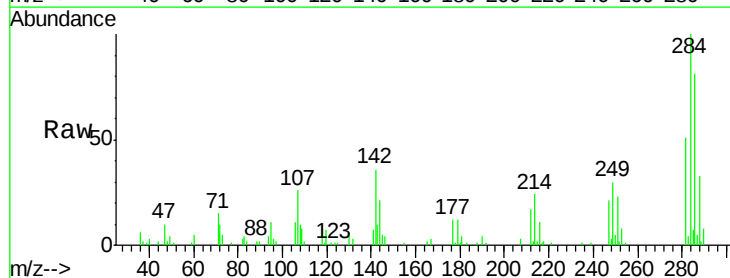
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

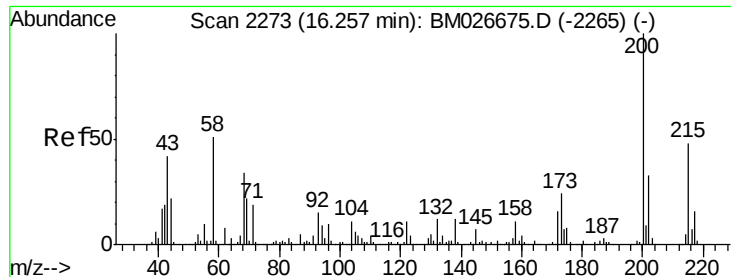
Tot Ion:248 Resp: 20424
Ion Ratio Lower Upper
248 100
250 97.0 77.4 116.2
141 85.3 61.9 92.9



#68
Hexachlorobenzene
Concen: 4.579 ng
RT: 16.06 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion:284 Resp: 23565
Ion Ratio Lower Upper
284 100
142 36.0 31.1 46.7
249 30.3 27.4 41.0

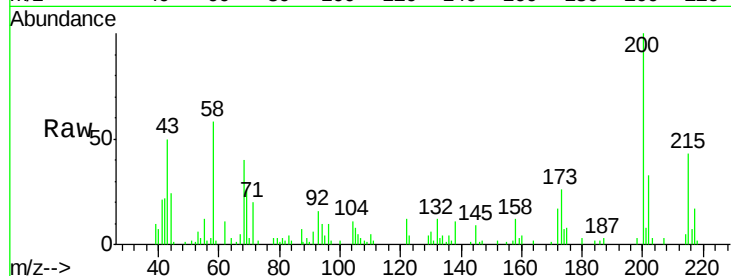




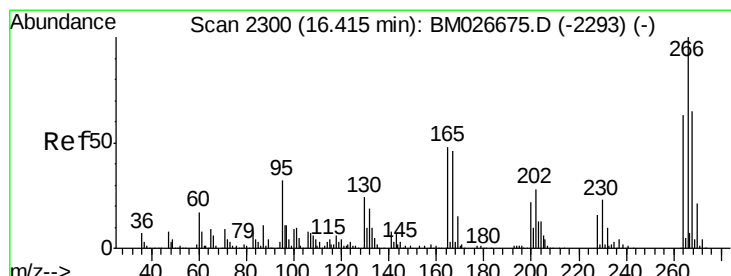
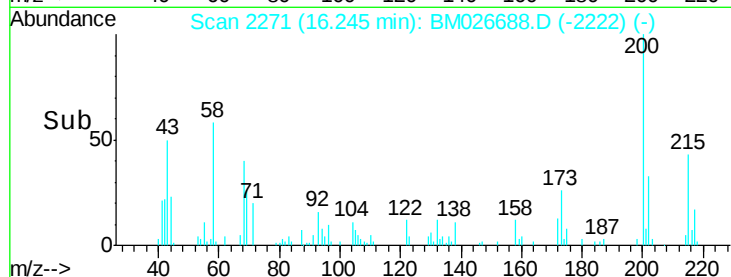
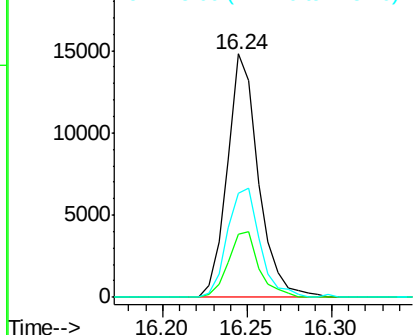
#69
 Atrazine
 Concen: 5.042 ng
 RT: 16.24 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.9	4.5	44.5
215	42.7	28.4	68.4

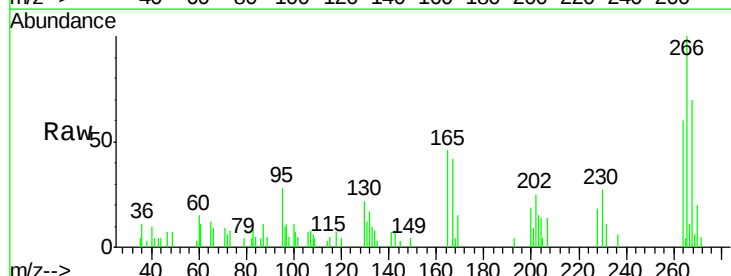


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

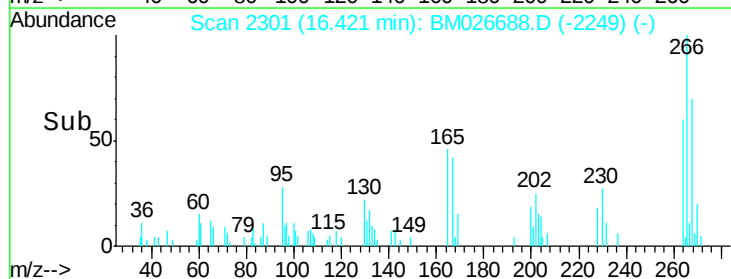
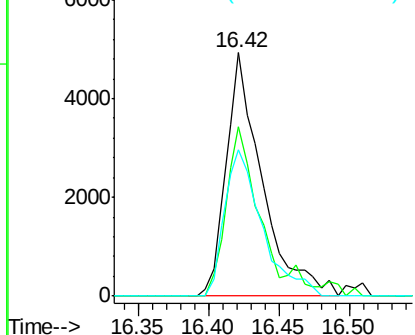


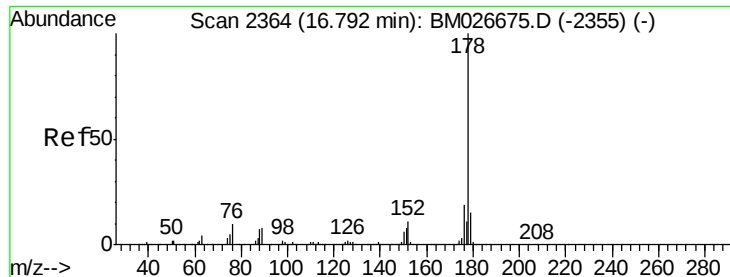
#70
 Pentachlorophenol
 Concen: 3.009 ng
 RT: 16.42 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
266	100		
268	69.5	51.8	77.6
264	60.0	50.1	75.1



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 4.623 ng

RT: 16.79 min Scan# 2364

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

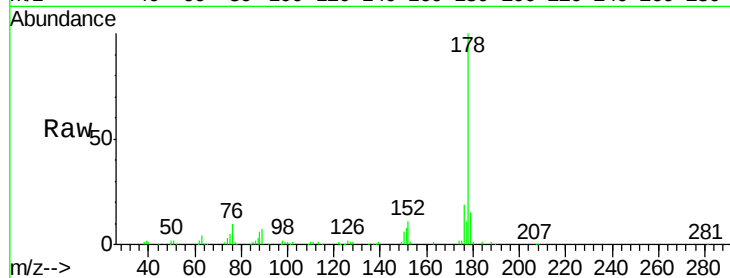
Tot Ion:178 Resp: 107208

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.6

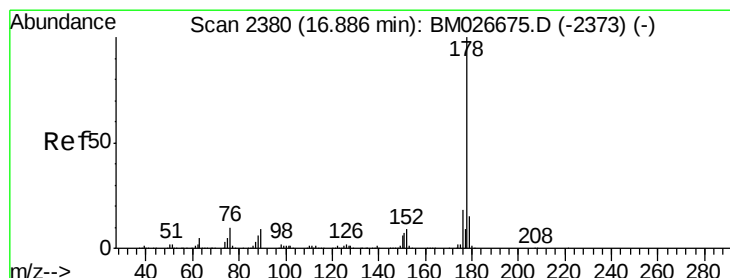
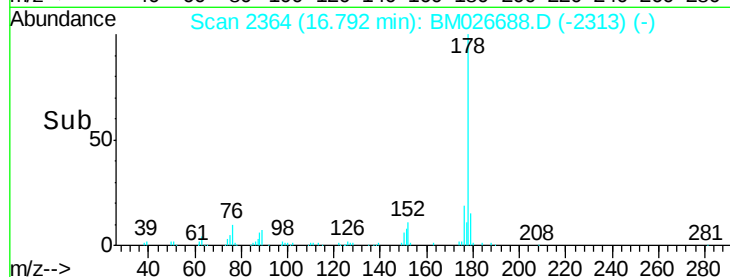
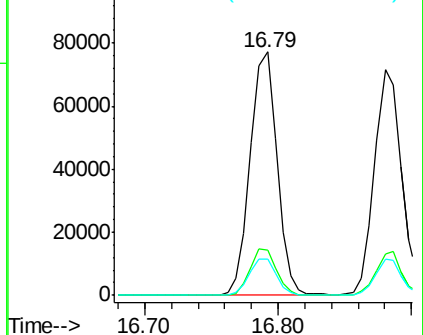
179 14.8 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 4.400 ng

RT: 16.88 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

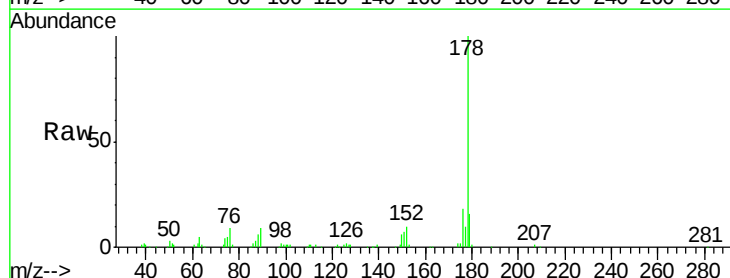
Tgt Ion:178 Resp: 101582

Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

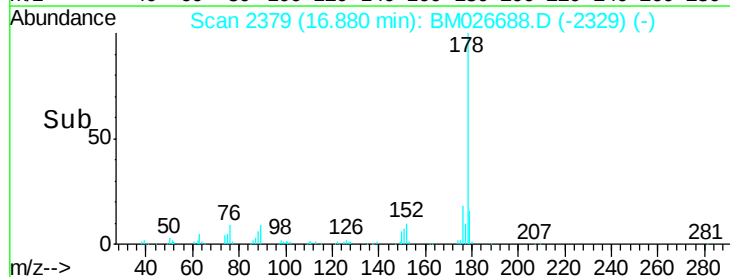
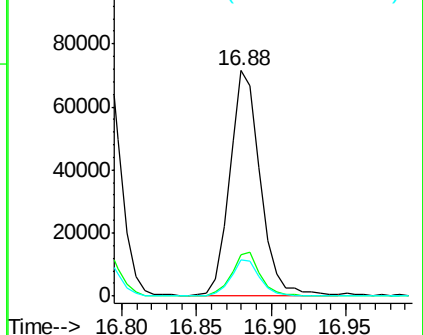
179 16.3 12.1 18.1

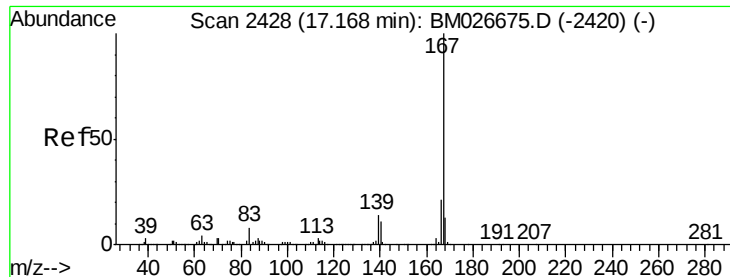


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

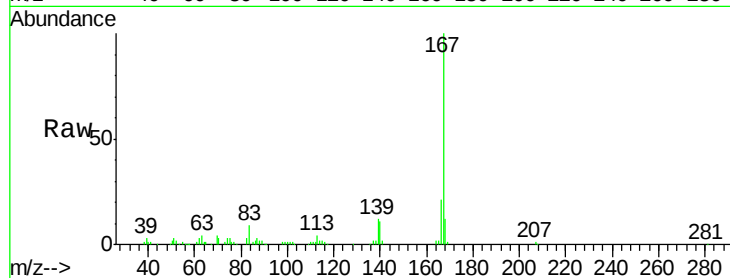




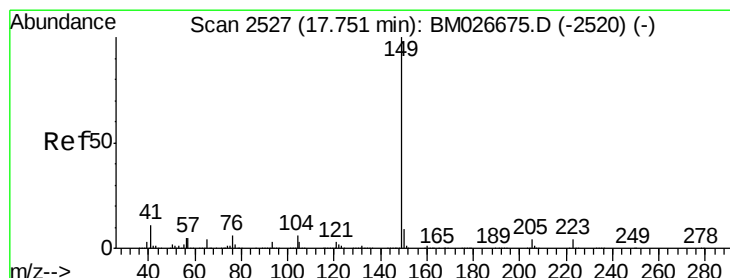
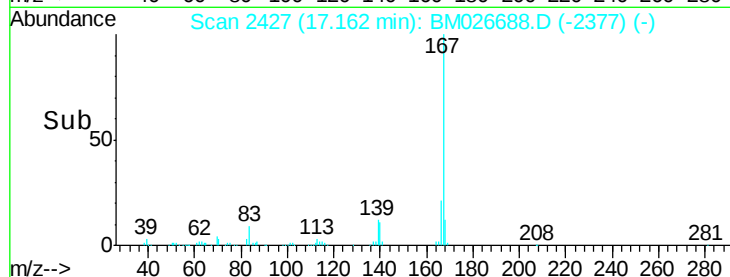
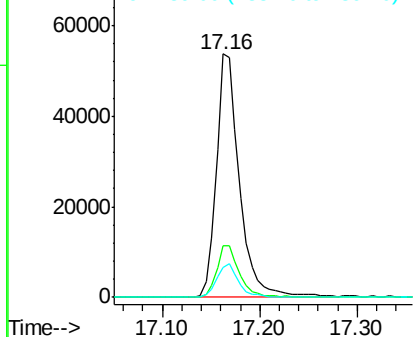
#73
 Carbazole
 Concen: 4.009 ng
 RT: 17.16 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	167	Resp	88250
Ion Ratio	100	Lower	Upper
166	21.3	16.9	25.3
139	12.5	10.8	16.2

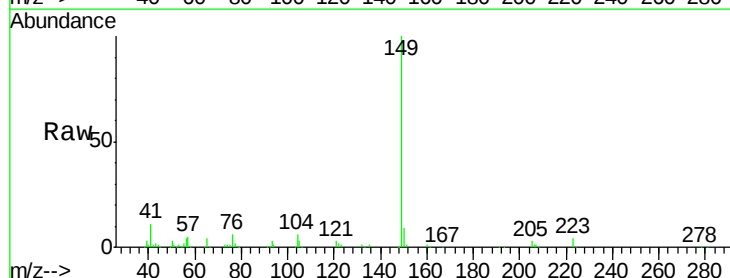


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

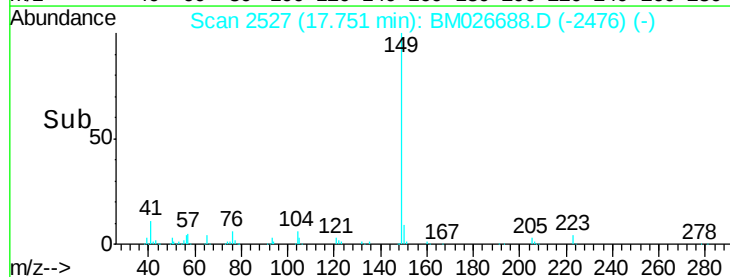
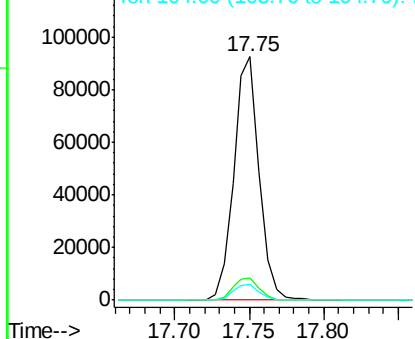


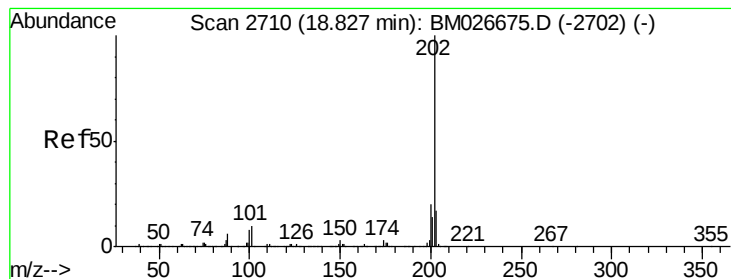
#74
 Di-n-butylphthalate
 Concen: 3.947 ng
 RT: 17.75 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion	149	Resp	109228
Ion Ratio	100	Lower	Upper
150	9.0	7.3	10.9
104	6.4	5.0	7.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 4.445 ng

RT: 18.82 min Scan# 2709

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

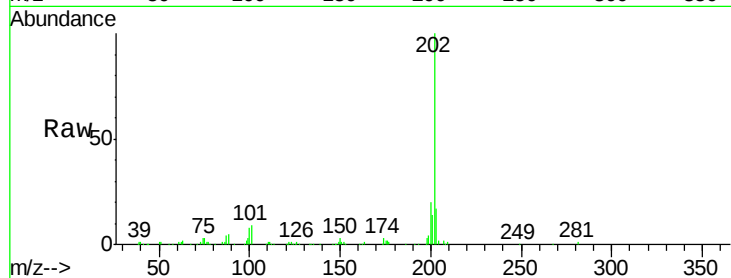
Tot Ion:202 Resp: 126978

Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.1

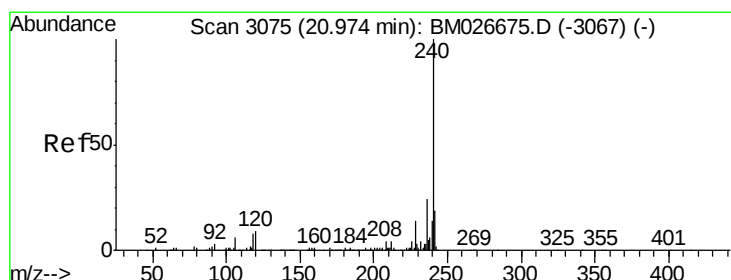
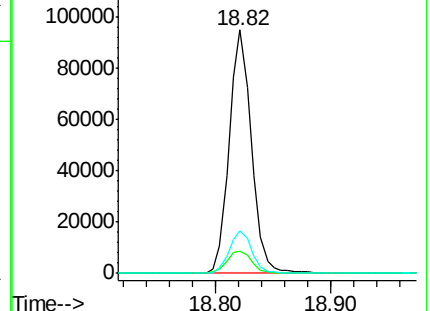
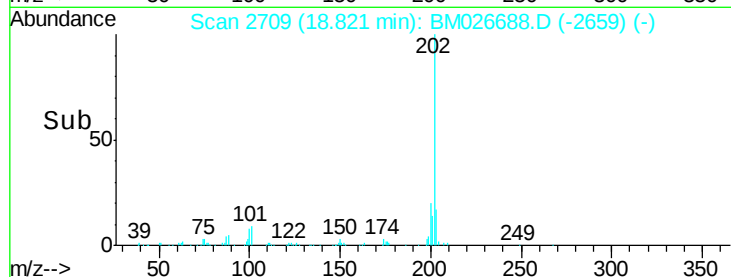
203 17.3 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 20.97 min Scan# 3074

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

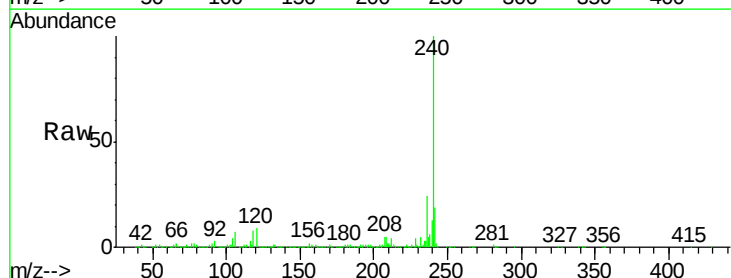
Tgt Ion:240 Resp: 473280

Ion Ratio Lower Upper

240 100

120 9.3 7.3 10.9

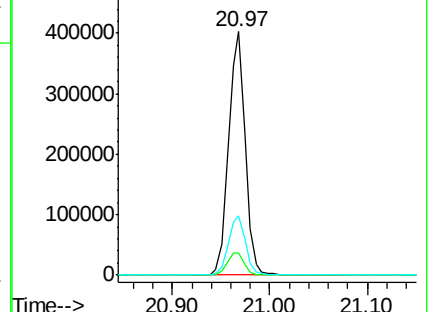
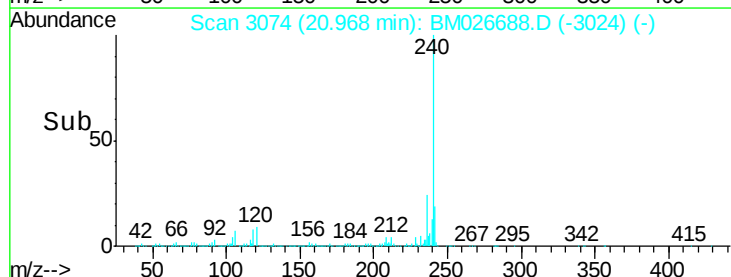
236 24.5 19.4 29.2

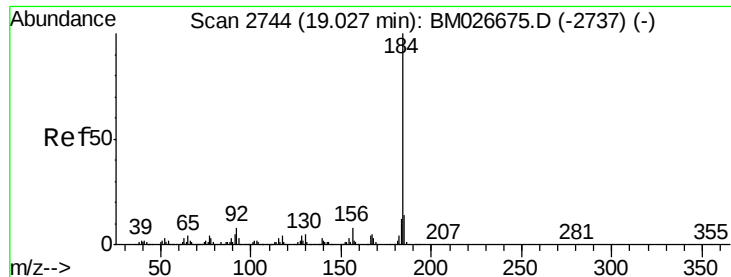


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 4.432 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

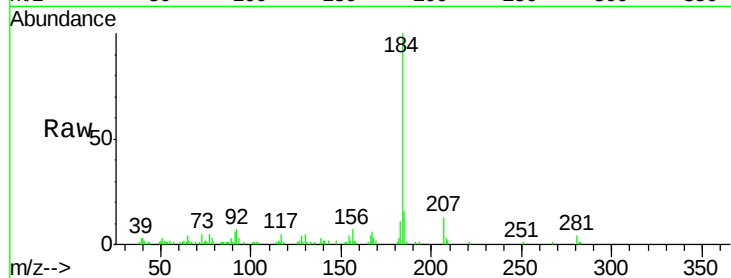
Tot Ion:184 Resp: 41357

Ion Ratio Lower Upper

184 100

185 15.7 10.9 16.3

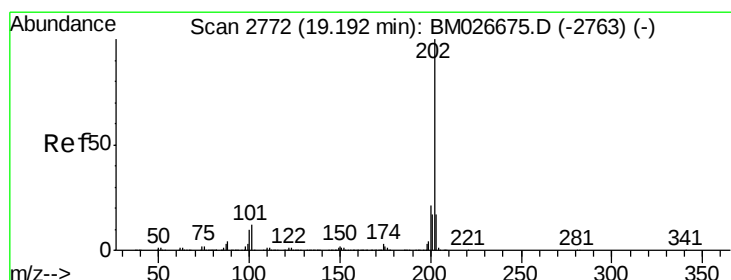
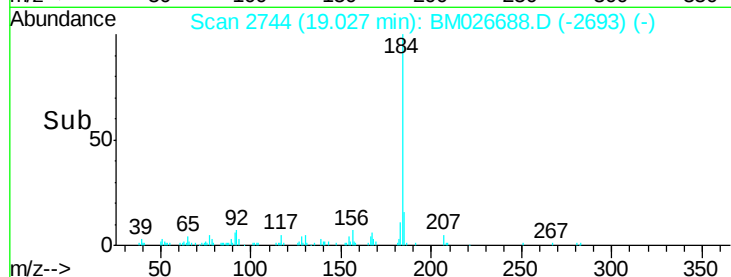
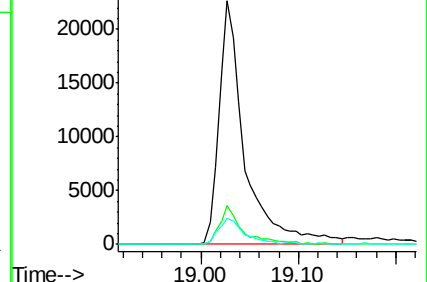
183 10.5 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 4.489 ng

RT: 19.19 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

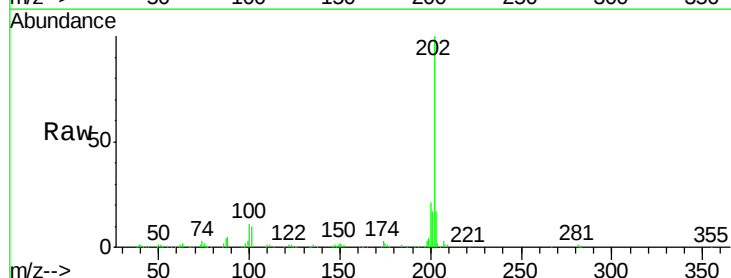
Tgt Ion:202 Resp: 133823

Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

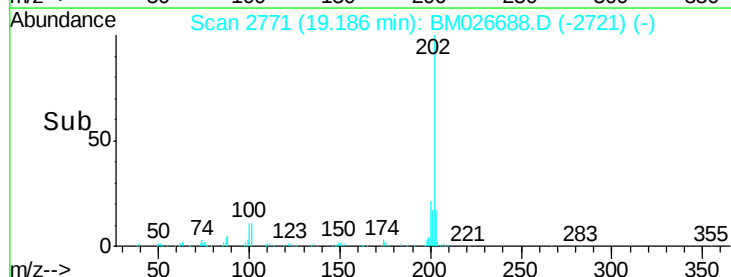
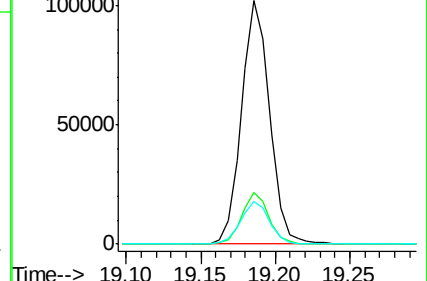
203 17.3 13.7 20.5

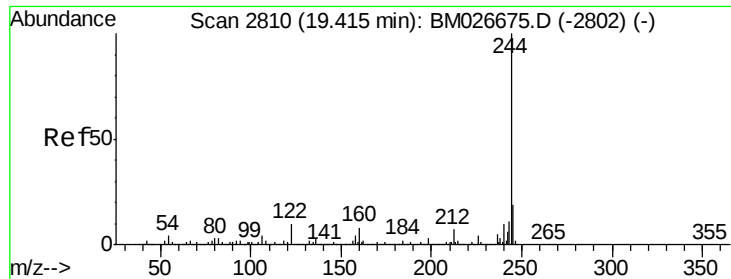


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

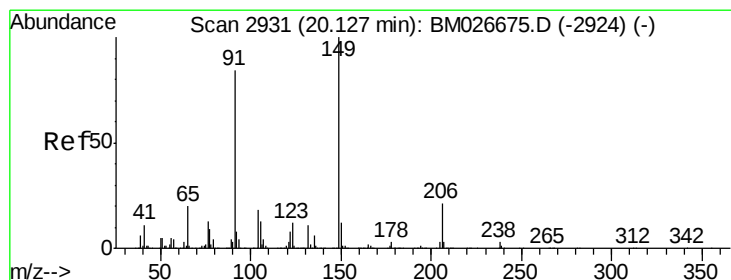
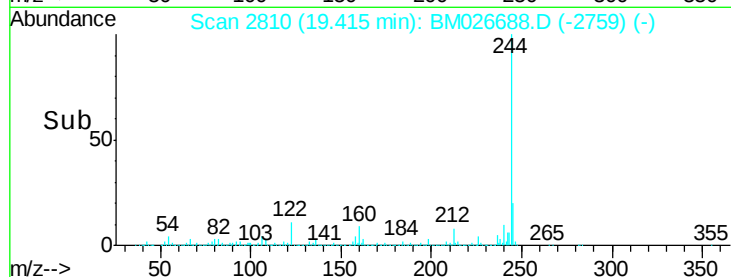
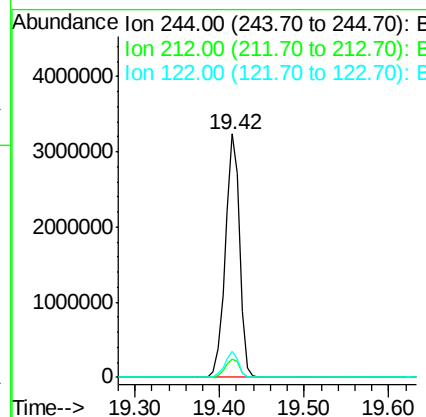
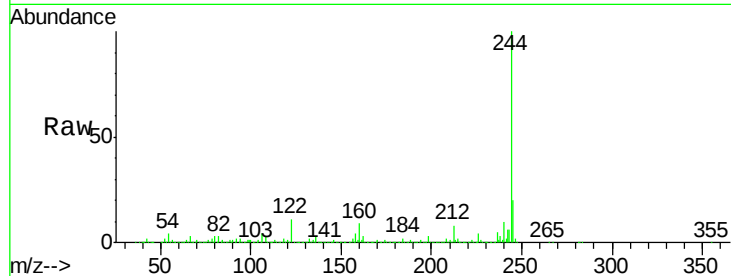




#79
 Terphenyl-d14
 Concen: 157.843 ng
 RT: 19.42 min Scan# 2810
 Delta R.T. 0.00 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

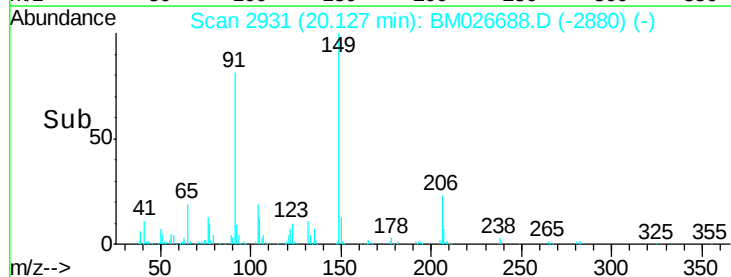
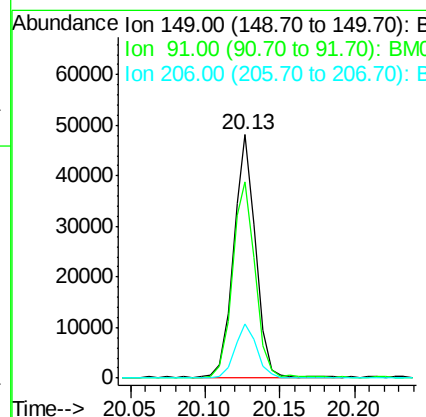
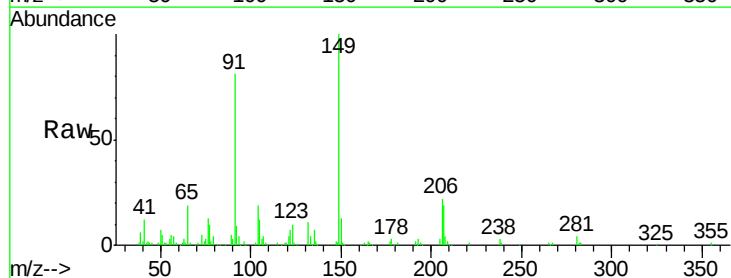
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

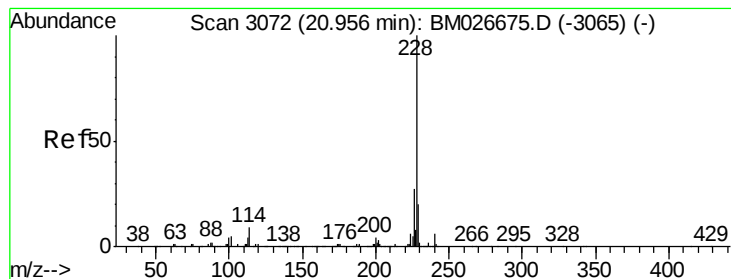
Tot Ion:244 Resp: 3795906
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.9 8.9
 122 10.6 8.2 12.4



#80
 Butylbenzylphthalate
 Concen: 3.688 ng
 RT: 20.13 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion:149 Resp: 49339
 Ion Ratio Lower Upper
 149 100
 91 80.9 67.6 101.4
 206 22.5 16.7 25.1





#81

Benzo(a)anthracene

Concen: 4.610 ng

RT: 20.95 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

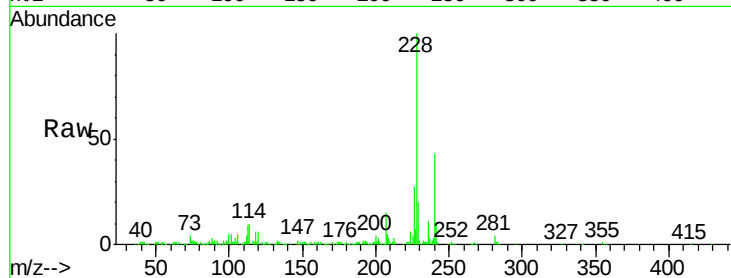
Tot Ion:228 Resp: 146568

Ion Ratio Lower Upper

228 100

226 26.5 21.4 32.2

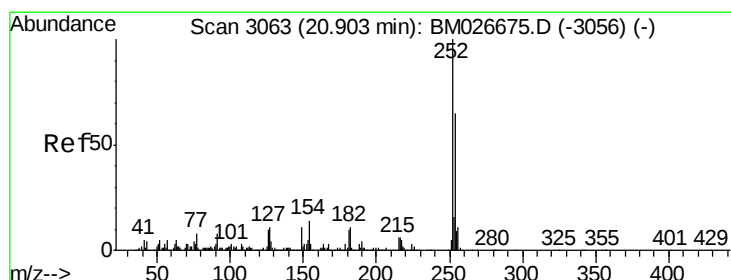
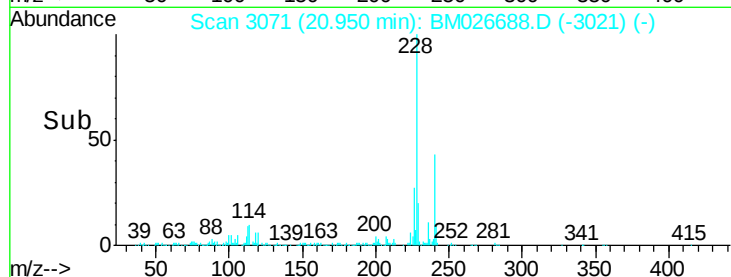
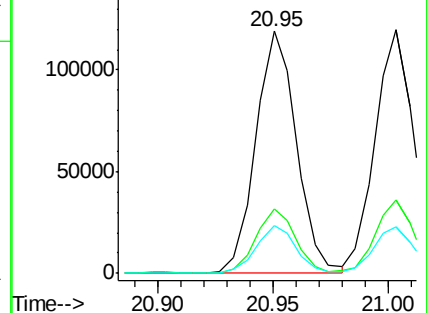
229 19.9 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 4.576 ng

RT: 20.90 min Scan# 3063

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

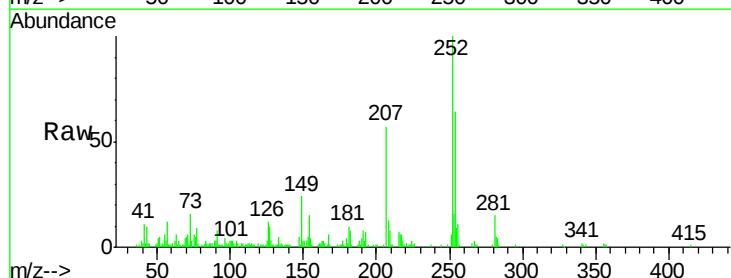
Tgt Ion:252 Resp: 46176

Ion Ratio Lower Upper

252 100

254 63.7 51.9 77.9

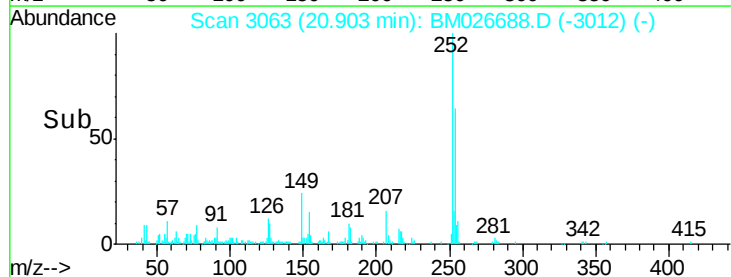
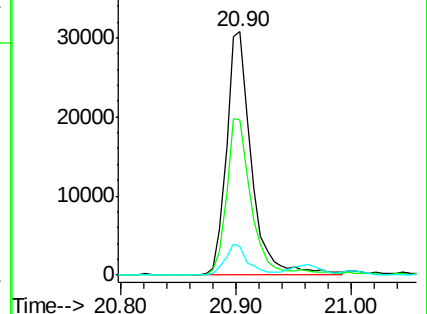
126 11.9 8.2 12.2

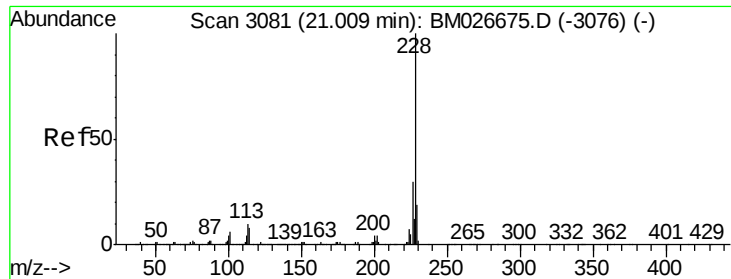


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

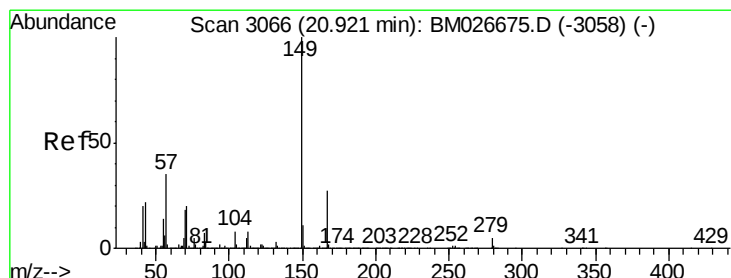
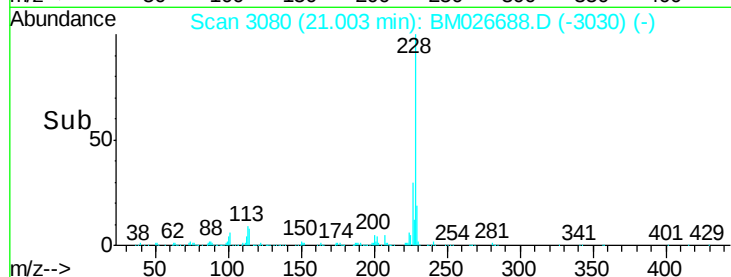
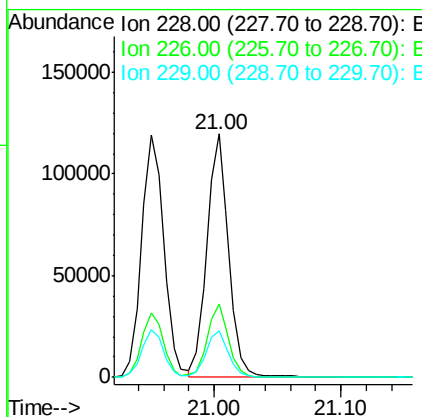
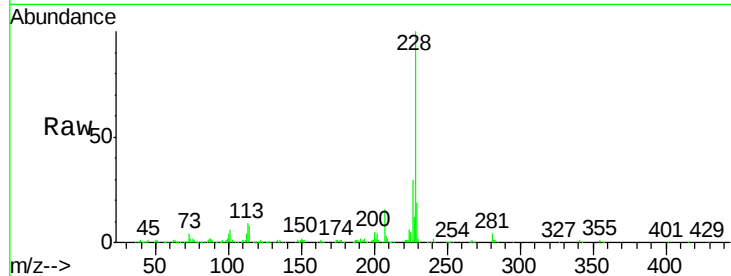




#83
 Chrysene
 Concen: 4.650 ng
 RT: 21.00 min Scan# 3080
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

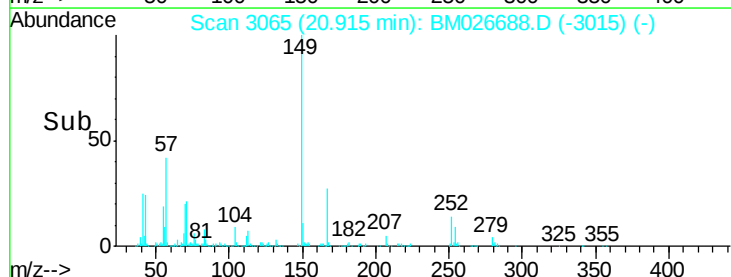
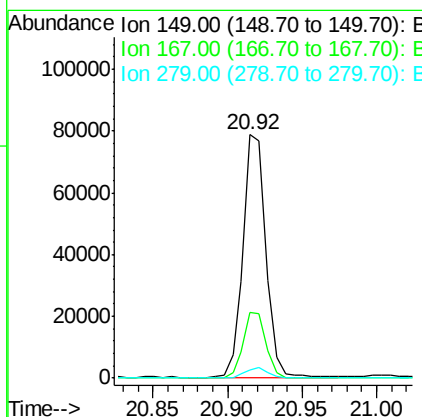
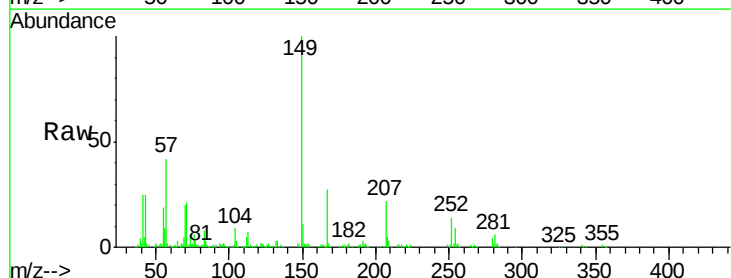
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

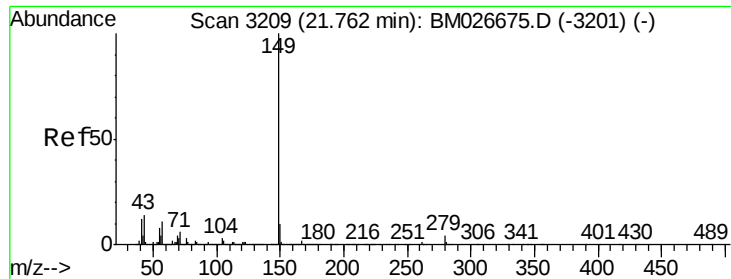
Tot Ion:228 Resp: 143898
 Ion Ratio Lower Upper
 228 100
 226 30.4 23.7 35.5
 229 19.2 15.4 23.0



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.881 ng
 RT: 20.92 min Scan# 3065
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion:149 Resp: 83179
 Ion Ratio Lower Upper
 149 100
 167 26.8 21.9 32.9
 279 3.6 3.7 5.5#





#85

Di-n-octyl phthalate

Concen: 3.774 ng

RT: 21.76 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

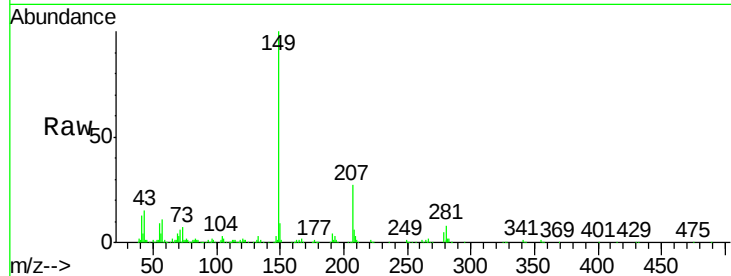
Tot Ion:149 Resp: 138242

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

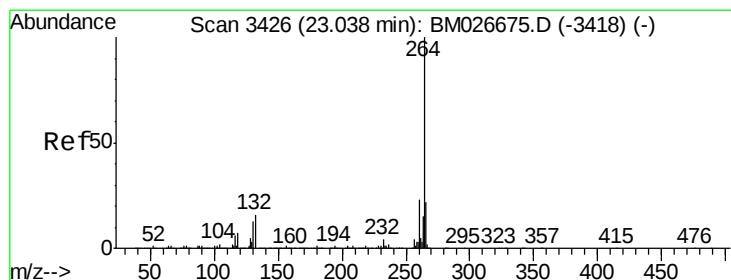
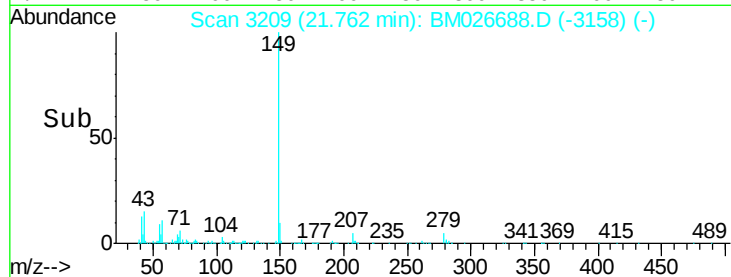
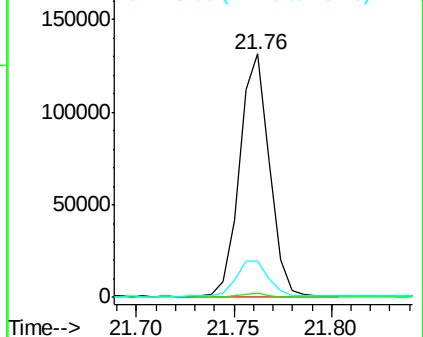
43 16.5 11.2 16.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.04 min Scan# 3426

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

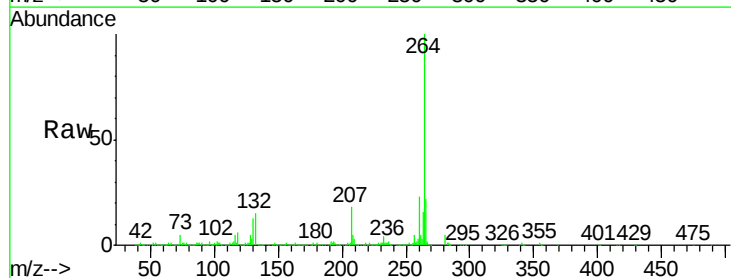
Tgt Ion:264 Resp: 499692

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.2

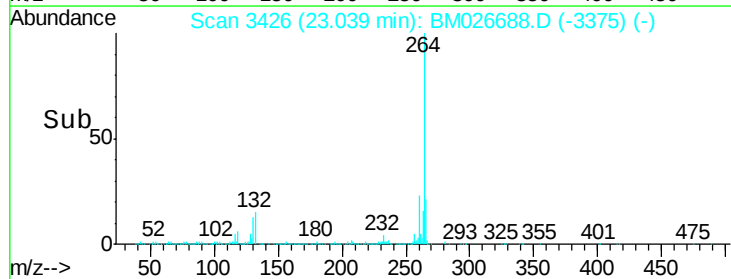
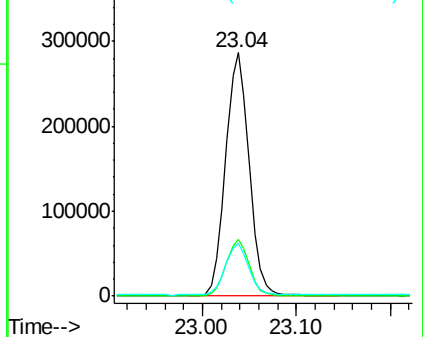
265 21.7 17.6 26.4

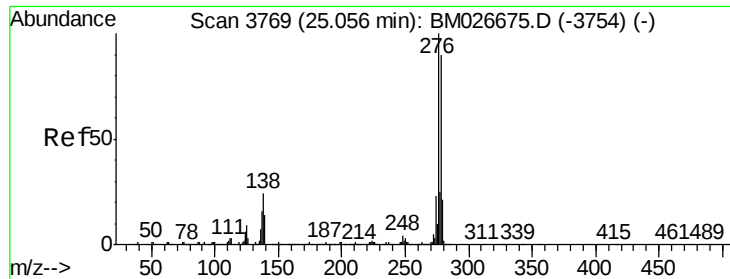


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

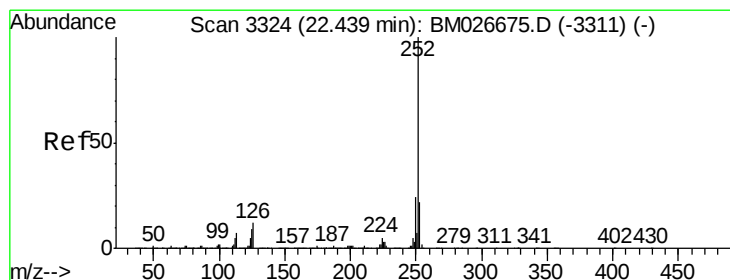
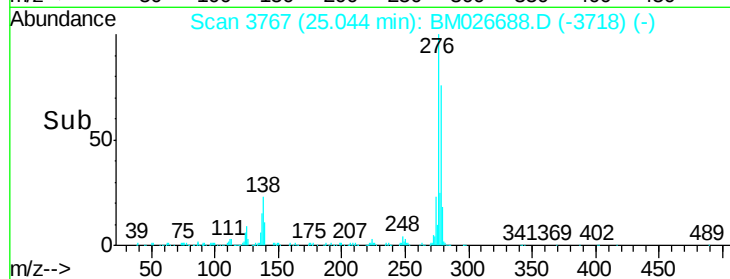
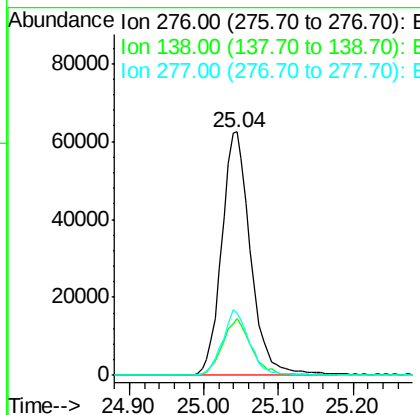
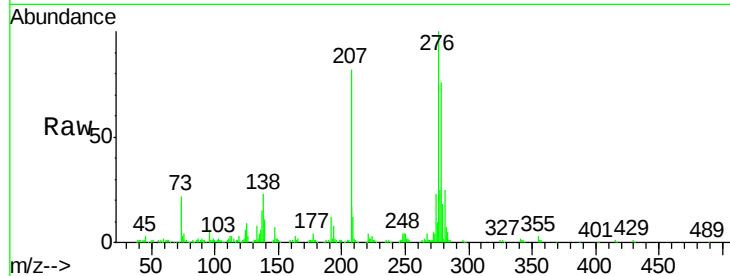




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.729 ng
 RT: 25.04 min Scan# 3767
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

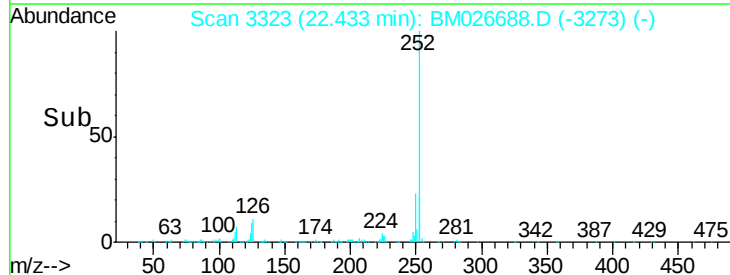
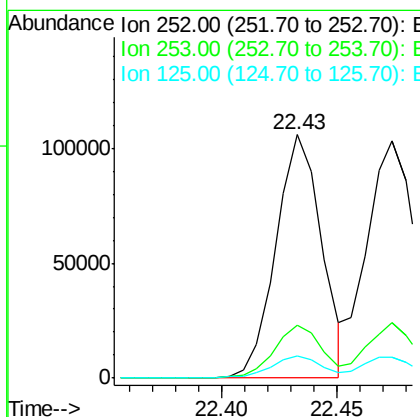
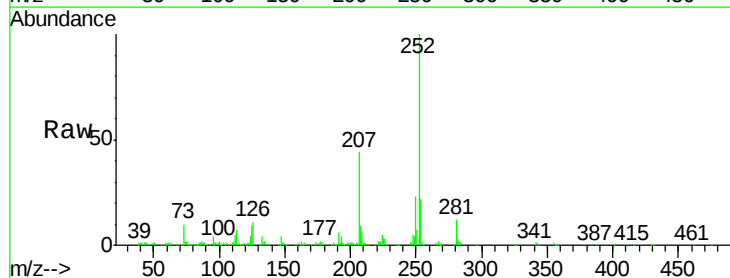
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

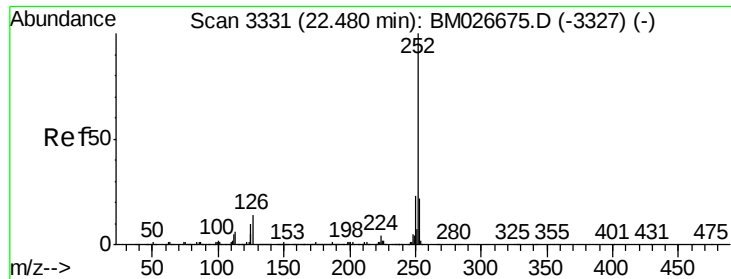
Tot Ion:276 Resp: 168231
 Ion Ratio Lower Upper
 276 100
 138 23.1 18.4 27.6
 277 25.1 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 4.398 ng
 RT: 22.43 min Scan# 3323
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion:252 Resp: 144793
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.5 26.3
 125 9.0 7.5 11.3

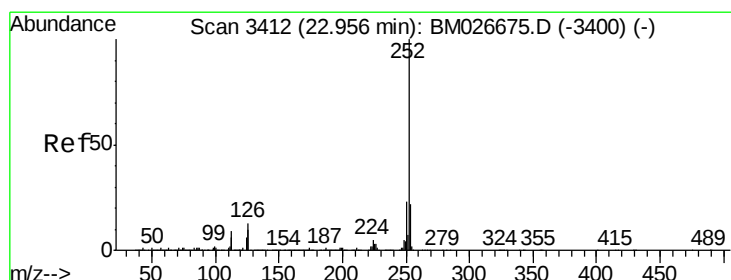
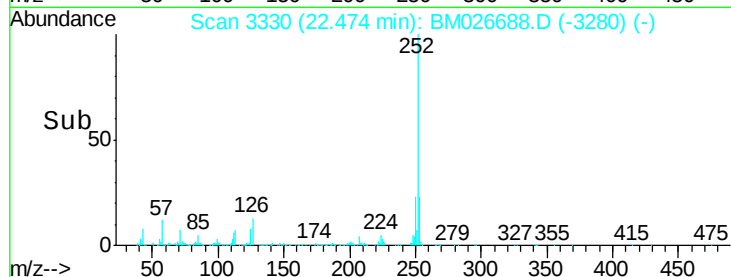
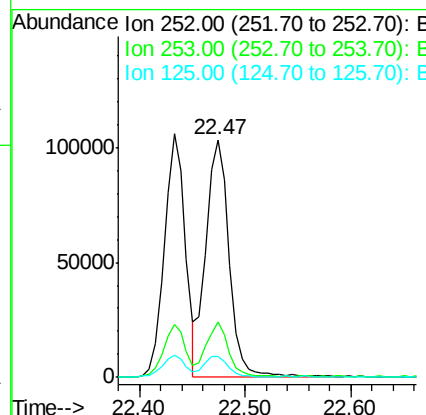
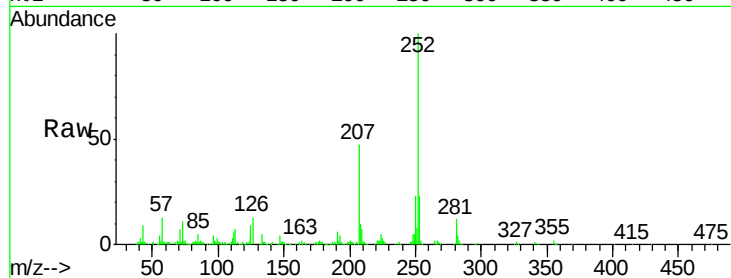




#89
Benzo(k)fluoranthene
Concen: 4.878 ng
RT: 22.47 min Scan# 3330
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

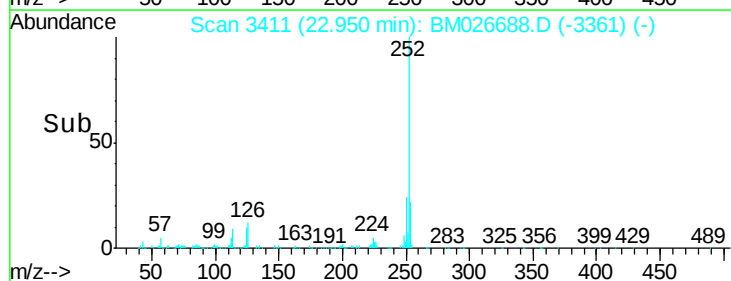
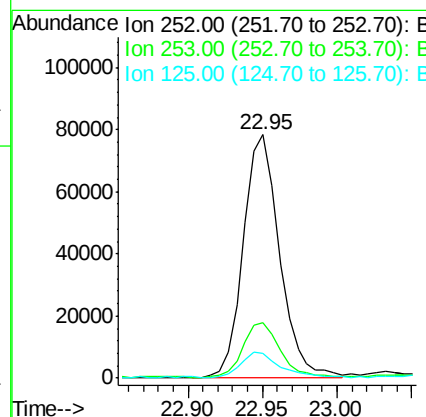
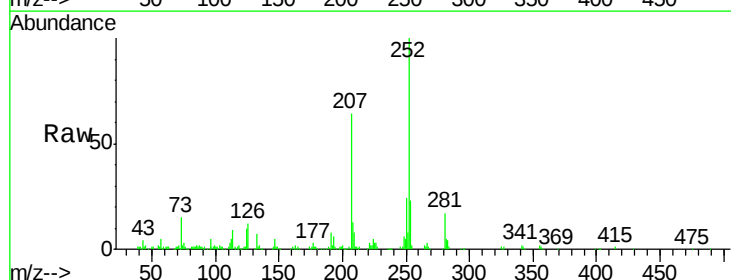
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

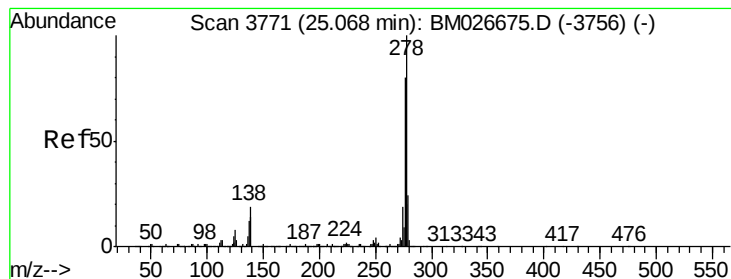
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	8.7	7.8	11.8



#90
Benzo(a)pyrene
Concen: 4.311 ng
RT: 22.95 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	10.0	8.2	12.4





#91

Dibenzo(a,h)anthracene

Concen: 4.709 ng

RT: 25.05 min Scan# 3768

Delta R.T. -0.02 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

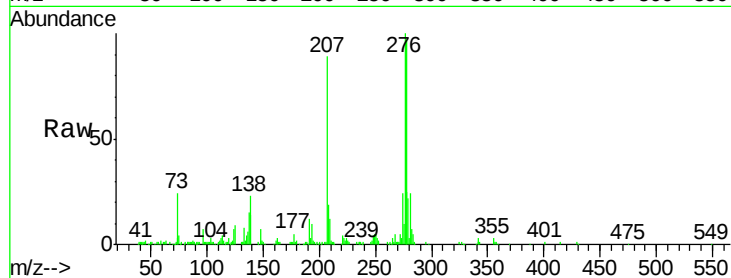
Tot Ion:278 Resp: 141423

Ion Ratio Lower Upper

278 100

139 14.8 11.2 16.8

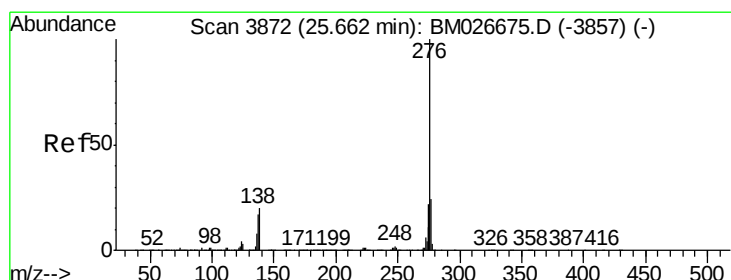
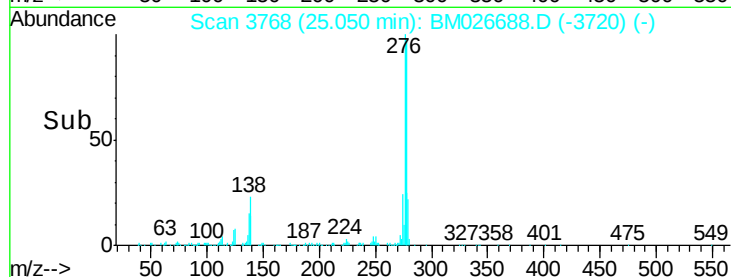
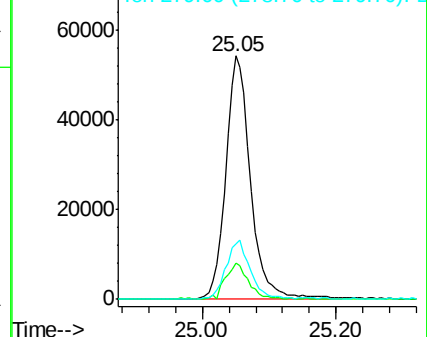
279 22.9 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.059 ng

RT: 25.65 min Scan# 3870

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

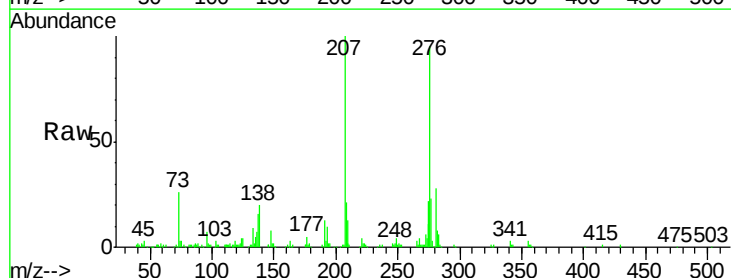
Tgt Ion:276 Resp: 139977

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 20.6 15.8 23.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

