

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061920\
 Data File : BM026475.D
 Acq On : 19 Jun 2020 20:53
 Operator : JU/CG
 Sample : L2182-01
 Misc : LOD-MDL-S-5PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Quant Time: Jun 20 04:54:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 20 04:14:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	87164	20.00	ng	0.00
21) Naphthalene-d8	10.15	136	385288	20.00	ng	0.00
39) Acenaphthene-d10	14.04	164	276092	20.00	ng	0.00
64) Phenanthrene-d10	16.80	188	644669	20.00	ng	0.00
76) Chrysene-d12	21.01	240	676946	20.00	ng	0.00
86) Perylene-d12	23.10	264	711636	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	760675	154.30	ng	0.00
7) Phenol-d6	6.59	99	1141704	159.93	ng	0.00
23) Nitrobenzene-d5	8.53	82	892245	113.70	ng	0.00
42) 2,4,6-Tribromophenol	15.55	330	658844	197.00	ng	0.00
45) 2-Fluorobiphenyl	12.66	172	2058826	113.20	ng	0.00
79) Terphenyl-d14	19.46	244	3823406	109.64	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.00	88	11040	4.967	ng	99
3) Pyridine	3.42	79	23841	3.652	ng	# 94
4) n-Nitrosodimethylamine	3.32	42	14984	4.636	ng	# 77
6) Aniline	6.73	93	43896	4.688	ng	92
8) 2-Chlorophenol	6.96	128	26506	4.661	ng	91
9) Benzaldehyde	6.55	77	26850	5.898	ng	96
10) Phenol	6.62	94	35162	4.625	ng	85
11) bis(2-Chloroethyl)ether	6.83	93	29618	4.837	ng	94
12) 1,3-Dichlorobenzene	7.27	146	29017	4.609	ng	98
13) 1,4-Dichlorobenzene	7.42	146	31265	4.875	ng	93
14) 1,2-Dichlorobenzene	7.73	146	29656	4.734	ng	96
15) Benzyl Alcohol	7.65	79	24212	3.994	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.93	45	56711	4.959	ng	99
17) 2-Methylphenol	7.85	107	21691	3.904	ng	92
18) Hexachloroethane	8.44	117	11497	4.734	ng	93
19) n-Nitroso-di-n-propylamine	8.20	70	27178	4.885	ng	95
20) 3+4-Methylphenols	8.17	107	30633	4.045	ng	96
22) Acetophenone	8.21	105	47862	4.831	ng	94
24) Nitrobenzene	8.57	77	43850	5.338	ng	96
25) Isophorone	9.10	82	72890	4.944	ng	100
26) 2-Nitrophenol	9.28	139	13382	4.116	ng	92
27) 2,4-Dimethylphenol	9.36	122	13774	2.684	ng	86
28) bis(2-Chloroethoxy)methane	9.59	93	42324	5.060	ng	98
29) 2,4-Dichlorophenol	9.82	162	23652	4.200	ng	97
30) 1,2,4-Trichlorobenzene	10.02	180	30183	4.888	ng	93
31) Naphthalene	10.19	128	95047	4.895	ng	99
32) Benzoic acid	9.46	122	2839	0.745	ng	# 85
33) 4-Chloroaniline	10.33	127	36281	4.284	ng	95
34) Hexachlorobutadiene	10.49	225	18450	4.733	ng	95
35) Caprolactam	11.10	113	9668	4.887	ng	96
36) 4-Chloro-3-methylphenol	11.46	107	31607	4.606	ng	97
37) 2-Methylnaphthalene	11.82	142	71638	5.178	ng	99
38) 1-Methylnaphthalene	12.05	142	69935	5.336	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.20	216	40123	5.105	ng	99

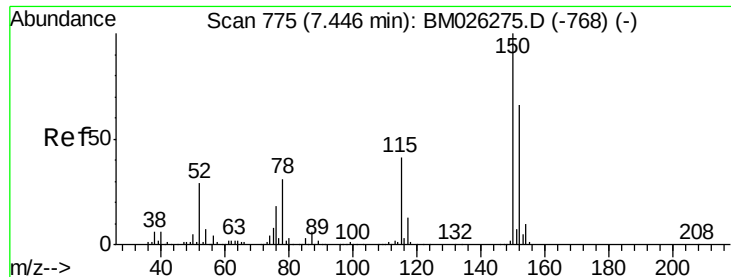
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061920\
 Data File : BM026475.D
 Acq On : 19 Jun 2020 20:53
 Operator : JU/CG
 Sample : L2182-01
 Misc : LOD-MDL-S-5PPM
 ALS Vial : 13 Sample Multiplier: 1

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Quant Time: Jun 20 04:54:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 20 04:14:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.18	237	7433	1.605	ng	92
43) 2,4,6-Trichlorophenol	12.46	196	21573	4.055	ng	95
44) 2,4,5-Trichlorophenol	12.54	196	25603	4.146	ng	97
46) 1,1'-Biphenyl	12.86	154	100954	5.216	ng	98
47) 2-Chloronaphthalene	12.90	162	74387	4.731	ng	97
48) 2-Nitroaniline	13.12	65	23489	3.770	ng	90
49) Acenaphthylene	13.76	152	120503	4.792	ng	99
50) Dimethylphthalate	13.52	163	100045	4.954	ng	98
51) 2,6-Dinitrotoluene	13.63	165	20581	4.644	ng	96
52) Acenaphthene	14.10	154	74016	4.903	ng	98
53) 3-Nitroaniline	13.97	138	15861	3.214	ng	89
54) 2,4-Dinitrophenol	14.20	184	5025	1.866	ng	# 75
55) Dibenzofuran	14.44	168	123592	5.081	ng	99
56) 4-Nitrophenol	14.32	139	8917	2.279	ng	93
57) 2,4-Dinitrotoluene	14.43	165	25302	4.107	ng	# 83
58) Fluorene	15.10	166	97167	4.918	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.69	232	24696	4.676	ng	100
60) Diethylphthalate	14.90	149	102554	4.986	ng	99
61) 4-Chlorophenyl-phenylether	15.11	204	52090	4.971	ng	99
62) 4-Nitroaniline	15.14	138	12048	2.289	ng	# 81
63) Azobenzene	15.40	77	108752	4.832	ng	98
65) 4,6-Dinitro-2-methylphenol	15.22	198	11988	3.058	ng	95
66) n-Nitrosodiphenylamine	15.33	169	84807	4.541	ng	98
67) 4-Bromophenyl-phenylether	16.00	248	30713	4.328	ng	96
68) Hexachlorobenzene	16.11	284	36104	4.875	ng	96
69) Atrazine	16.29	200	33238	5.957	ng	96
70) Pentachlorophenol	16.47	266	13372	2.999	ng	92
71) Phenanthrene	16.84	178	163791	4.879	ng	99
72) Anthracene	16.93	178	155316	4.636	ng	98
73) Carbazole	17.22	167	137180	4.317	ng	99
74) Di-n-butylphthalate	17.80	149	166002	4.430	ng	99
75) Fluoranthene	18.87	202	192367	4.998	ng	99
77) Benzidine	19.07	184	51006	3.627	ng	98
78) Pyrene	19.23	202	204409	4.570	ng	99
80) Butylbenzylphthalate	20.17	149	74194	4.102	ng	99
81) Benzo(a)anthracene	21.00	228	211140	5.196	ng	98
82) 3,3'-Dichlorobenzidine	20.94	252	70962	5.645	ng	99
83) Chrysene	21.04	228	203837	5.264	ng	98
84) Bis(2-ethylhexyl)phthalate	20.96	149	117112	4.541	ng	98
85) Di-n-octyl phthalate	21.80	149	192661	4.843	ng	96
87) Indeno(1,2,3-cd)pyrene	25.13	276	192333	4.672	ng	100
88) Benzo(b)fluoranthene	22.49	252	192229	4.490	ng	99
89) Benzo(k)fluoranthene	22.53	252	211697	5.090	ng	99
90) Benzo(a)pyrene	23.01	252	174169	4.581	ng	100
91) Dibenzo(a,h)anthracene	25.14	278	159763	4.649	ng	100
92) Benzo(g,h,i)perylene	25.74	276	158390	4.843	ng	99

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

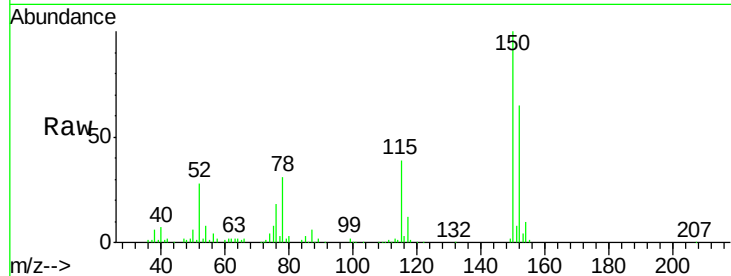


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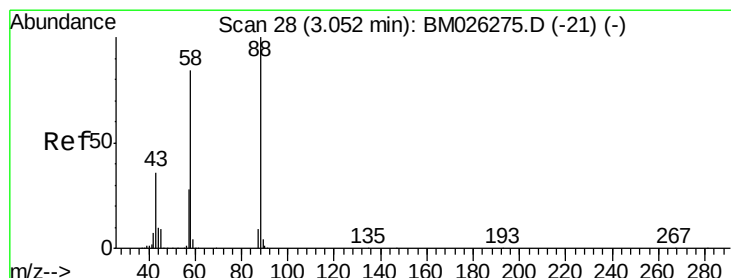
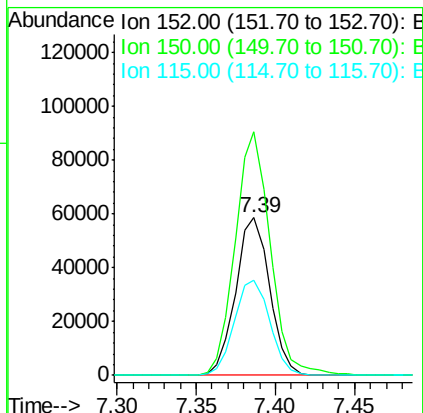
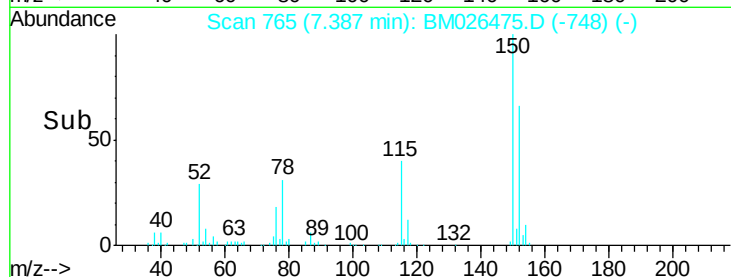
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.39 min Scan# 765
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:152 Resp: 87164
Ion Ratio Lower Upper
152 100
150 154.4 127.8 191.6
115 60.3 51.5 77.3



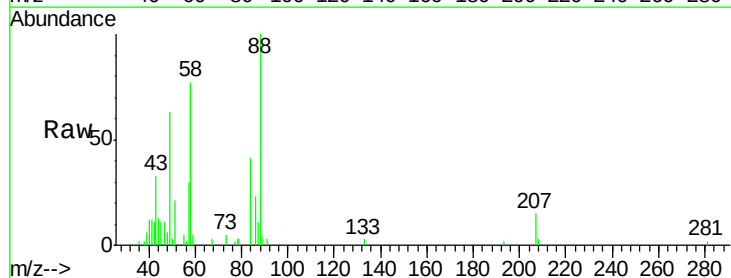
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



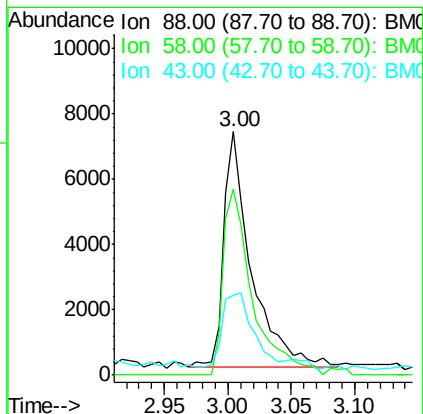
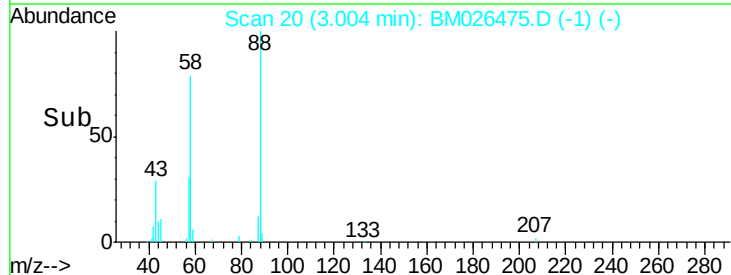
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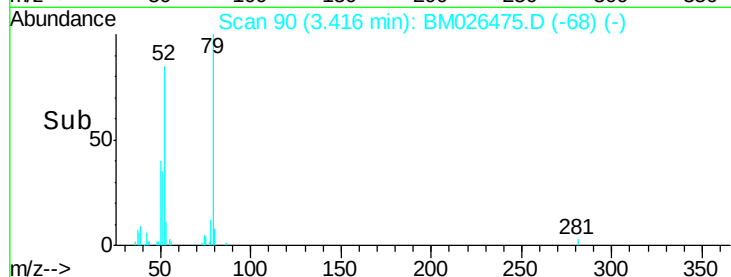
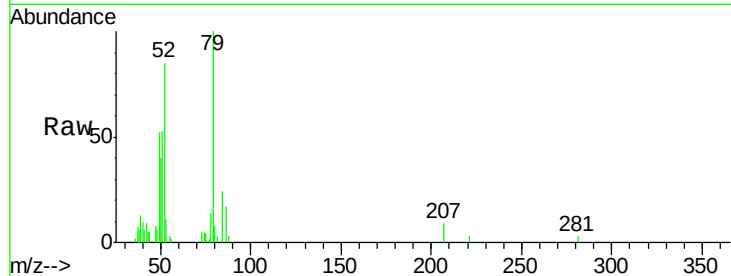
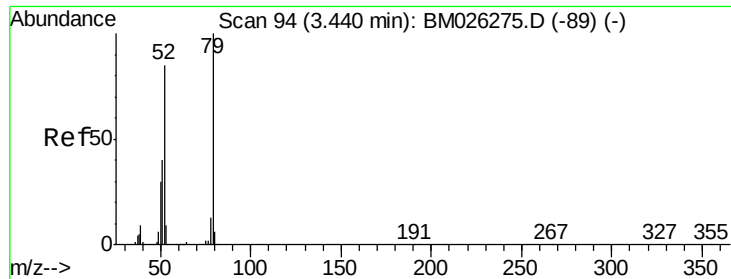
1,4-Dioxane
Concen: 4.967 ng
RT: 3.00 min Scan# 20
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion: 88 Resp: 11040
Ion Ratio Lower Upper
88 100
58 83.4 67.7 101.5
43 35.1 28.0 42.0



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

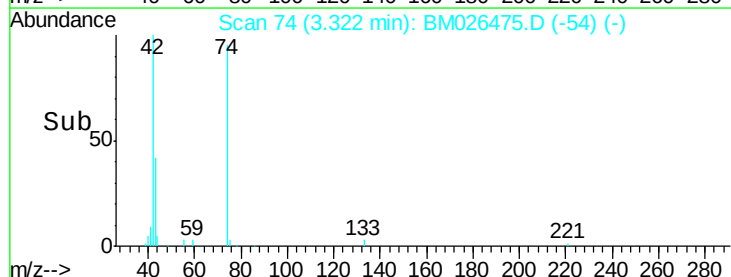
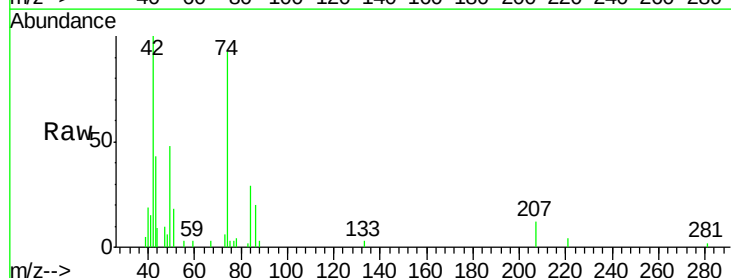
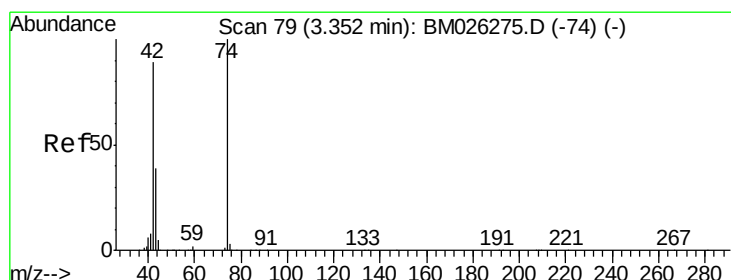
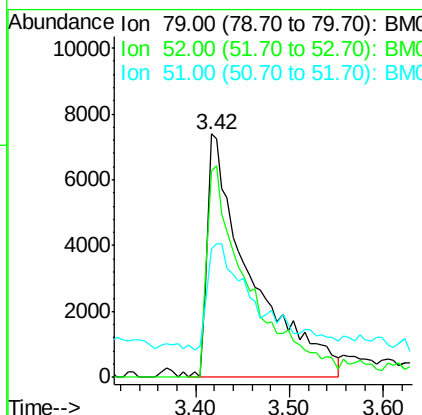




#3
 Pvridine
 Concen: 3.652 ng
 RT: 3.42 min Scan# 90
 Delta R.T. 0.03 min
 Lab File: BM026475.D
 Acq: 19 Jun 2020 20:53

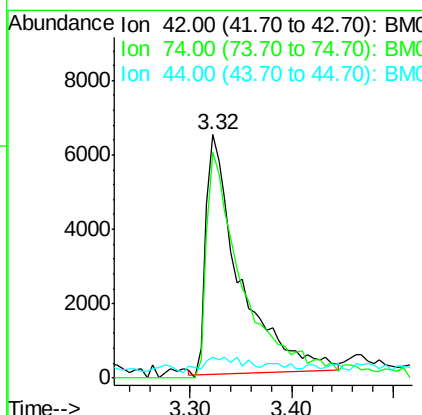
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

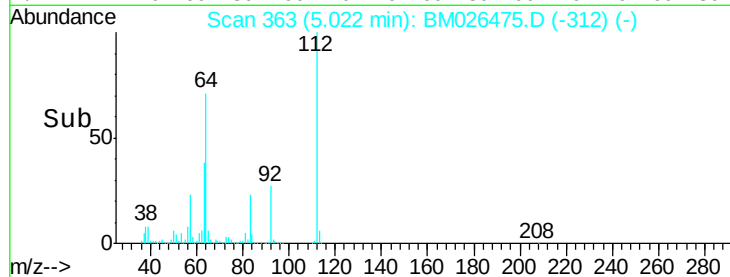
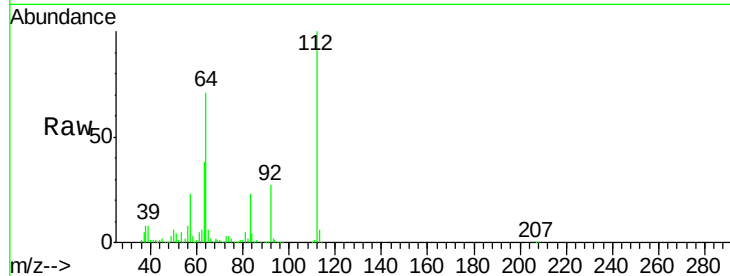
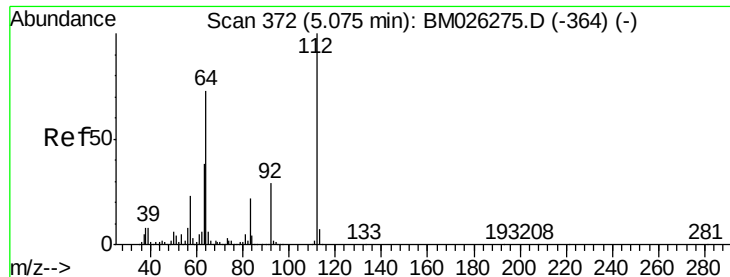
Tot Ion: 79 Resp: 23841
 Ion Ratio Lower Upper
 79 100
 52 84.8 67.4 101.2
 51 52.8 33.0 49.6#



#4
 n-Nitrosodimethylamine
 Concen: 4.636 ng
 RT: 3.32 min Scan# 74
 Delta R.T. 0.02 min
 Lab File: BM026475.D
 Acq: 19 Jun 2020 20:53

Tgt Ion: 42 Resp: 14984
 Ion Ratio Lower Upper
 42 100
 74 92.9 95.4 143.2#
 44 8.5 5.9 8.9





#5

2-Fluorophenol

Concen: 154.296 ng

RT: 5.02 min Scan# 363

Delta R.T. 0.00 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:112 Resp: 760675

Ion Ratio Lower Upper

112 100

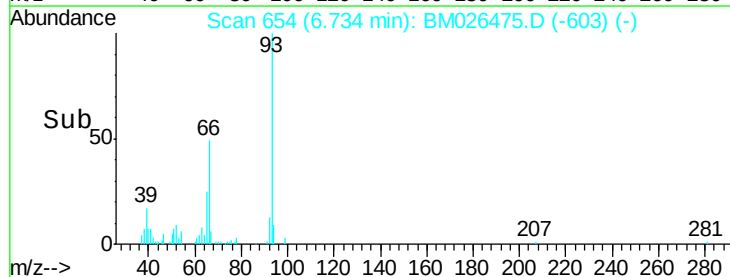
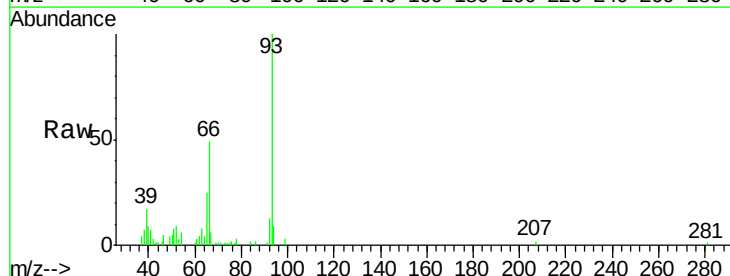
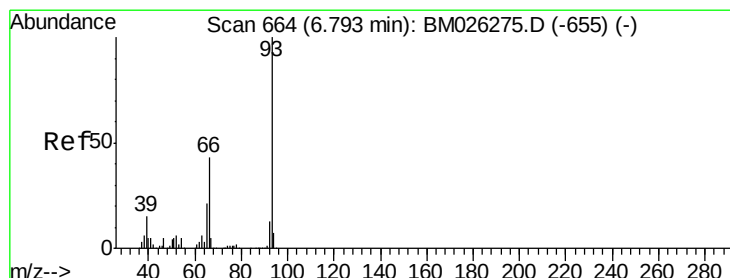
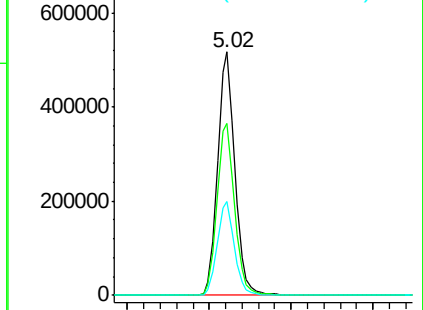
64 70.9 56.0 84.0

63 38.3 29.0 43.6

Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 4.688 ng

RT: 6.73 min Scan# 654

Delta R.T. 0.00 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Tgt Ion: 93 Resp: 43896

Ion Ratio Lower Upper

93 100

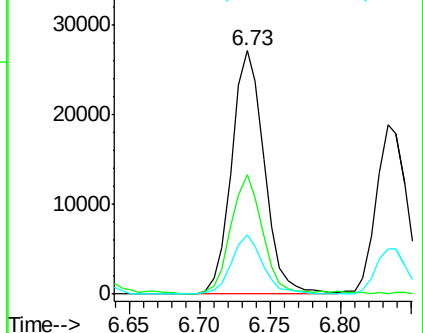
66 48.8 34.1 51.1

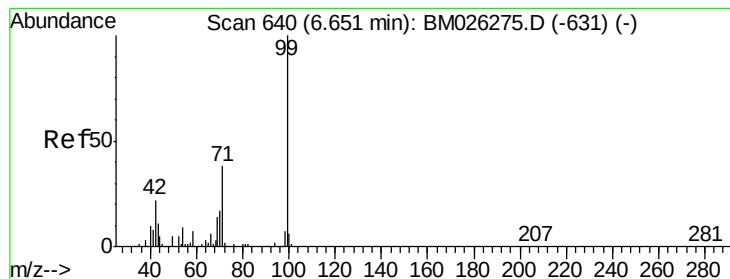
65 24.5 17.5 26.3

Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 159.927 ng

RT: 6.59 min Scan# 630

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

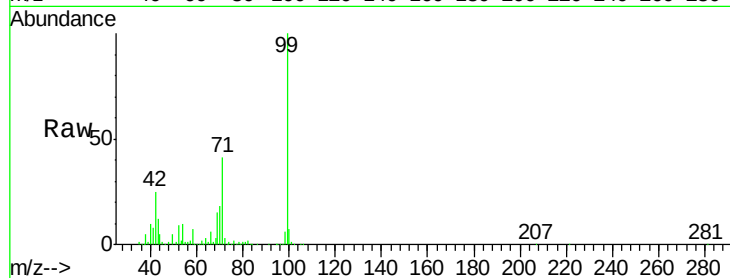
Tot Ion: 99 Resp: 1141704

Ion Ratio Lower Upper

99 100

42 24.7 17.8 26.6

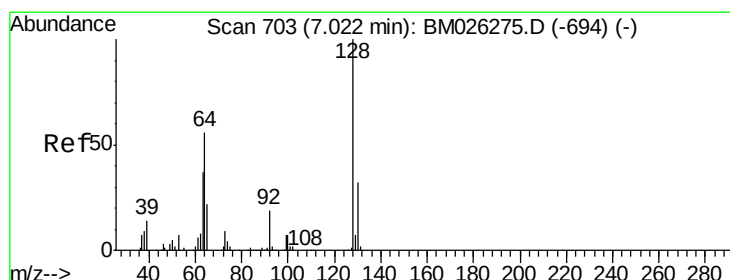
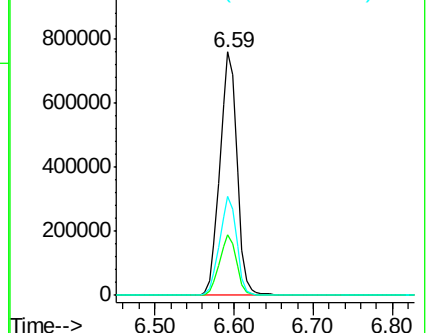
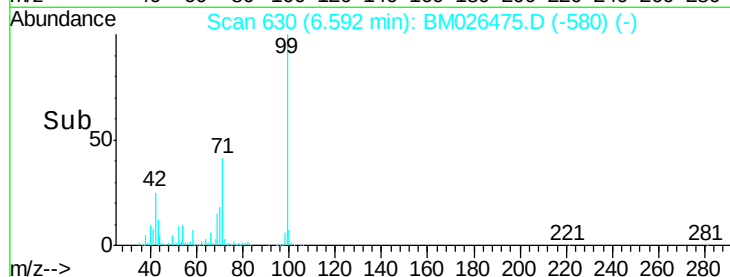
71 40.8 31.0 46.4



Abundance Ion 99.00 (98.70 to 99.70): BM026475.D (-631) (-)

Ion 42.00 (41.70 to 42.70): BM026475.D (-631) (-)

Ion 71.00 (70.70 to 71.70): BM026475.D (-631) (-)



#8

2-Chlorophenol

Concen: 4.661 ng

RT: 6.96 min Scan# 692

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

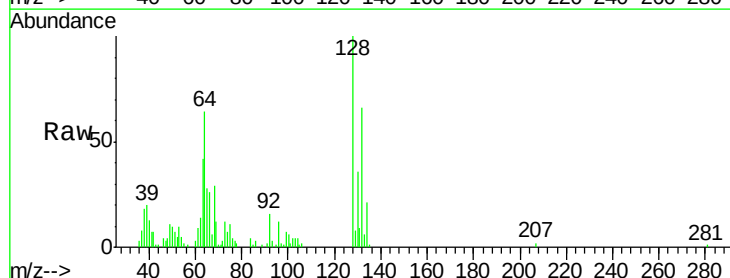
Tgt Ion: 128 Resp: 26506

Ion Ratio Lower Upper

128 100

130 36.0 12.3 52.3

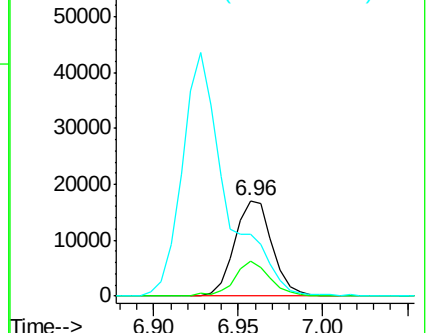
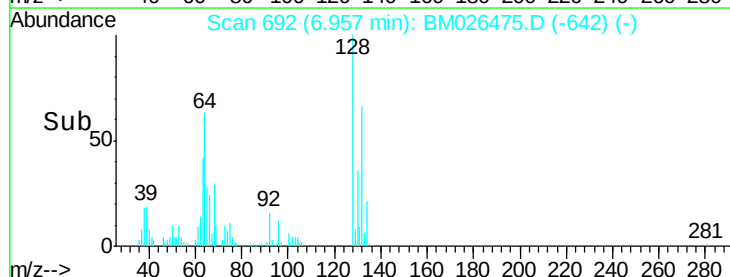
64 64.3 36.4 76.4

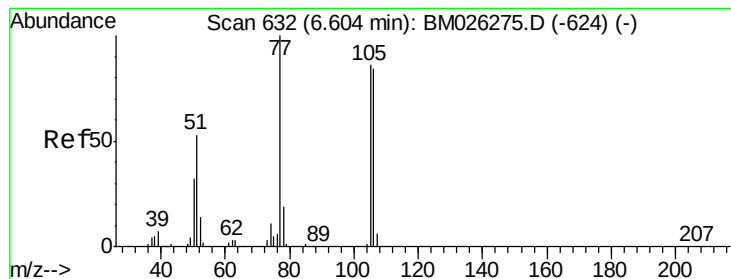


Abundance Ion 128.00 (127.70 to 128.70): BM026475.D (-694) (-)

Ion 130.00 (129.70 to 130.70): BM026475.D (-694) (-)

Ion 64.00 (63.70 to 64.70): BM026475.D (-694) (-)





#9

Benzaldehyde

Concen: 5.898 ng

RT: 6.55 min Scan# 623

Delta R.T. 0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

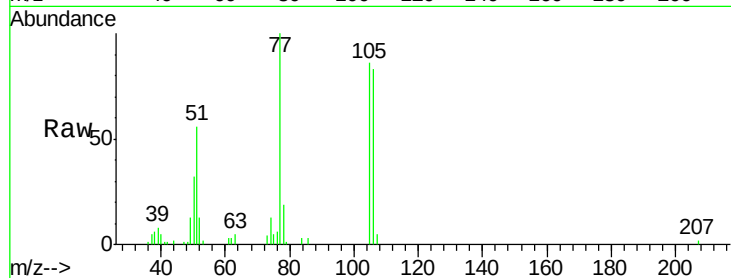
Tot Ion: 77 Resp: 26850

Ion Ratio Lower Upper

77 100

105 86.4 71.5 111.5

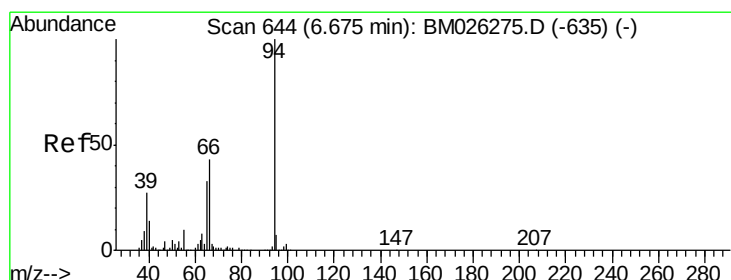
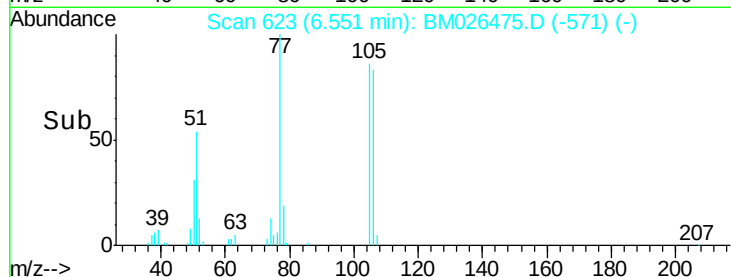
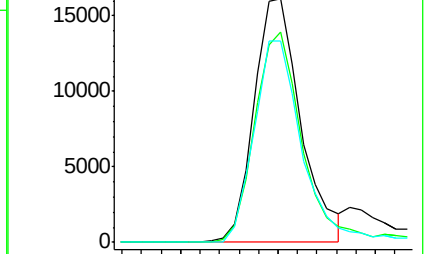
106 82.7 64.7 104.7



Abundance Ion 77.00 (76.70 to 77.70): BM026475.D (-571) (-)

Ion 105.00 (104.70 to 105.70): BM026475.D (-571) (-)

Ion 106.00 (105.70 to 106.70): BM026475.D (-571) (-)



#10

Phenol

Concen: 4.625 ng

RT: 6.62 min Scan# 634

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

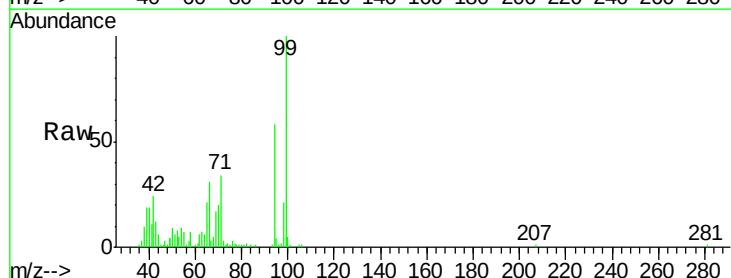
Tgt Ion: 94 Resp: 35162

Ion Ratio Lower Upper

94 100

65 35.9 11.4 51.4

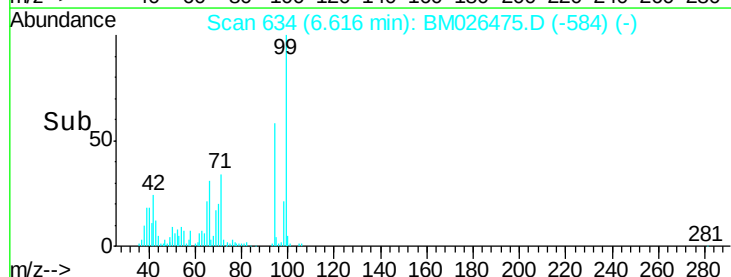
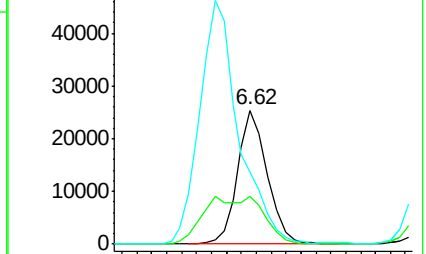
66 54.2 21.7 61.7

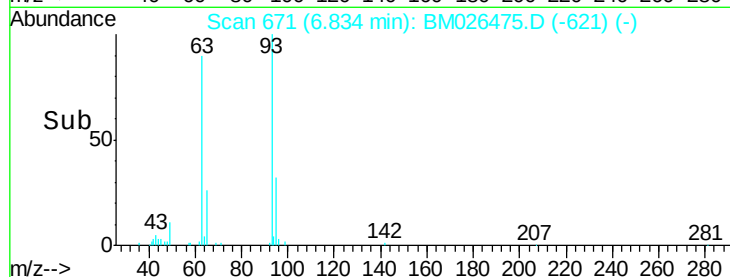
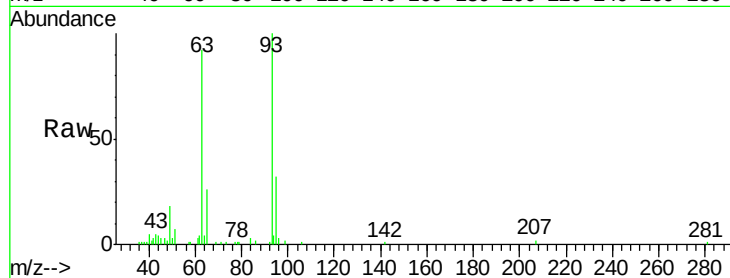
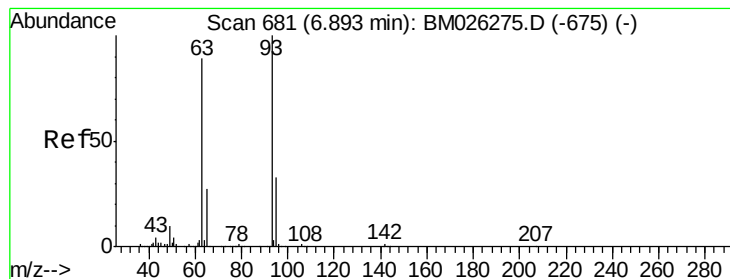


Abundance Ion 94.00 (93.70 to 94.70): BM026475.D (-584) (-)

Ion 65.00 (64.70 to 65.70): BM026475.D (-584) (-)

Ion 66.00 (65.70 to 66.70): BM026475.D (-584) (-)

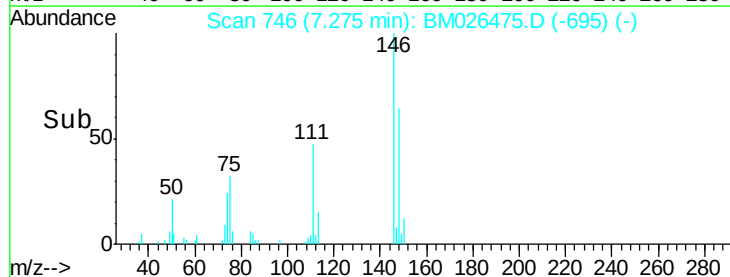
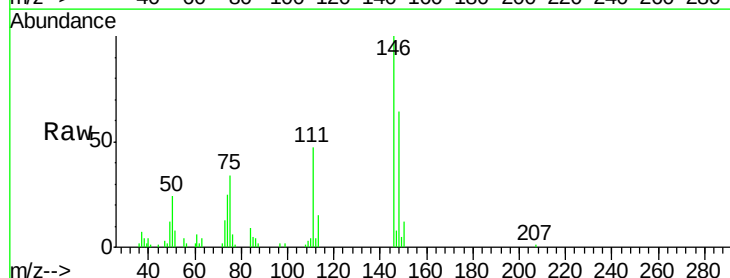
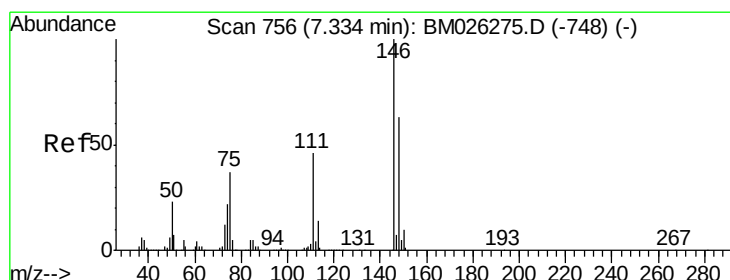
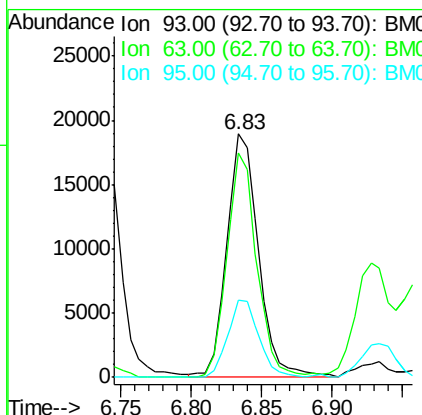




#11
bis(2-Chloroethyl)ether
Concen: 4.837 ng
RT: 6.83 min Scan# 671
Delta R.T. -0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

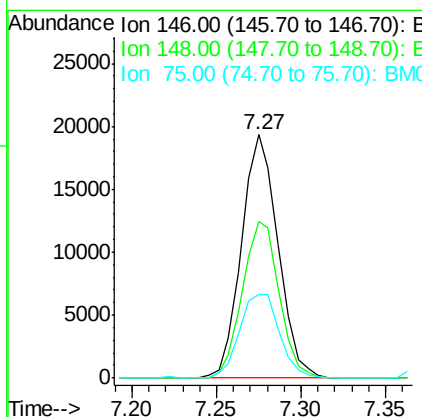
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

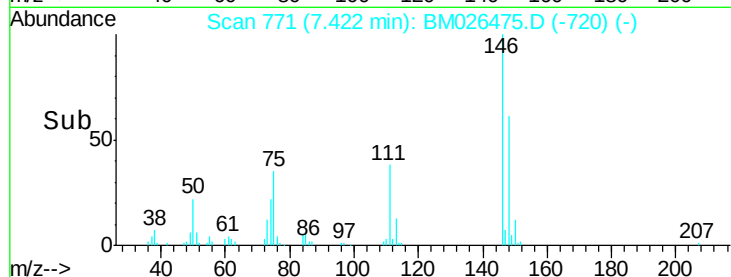
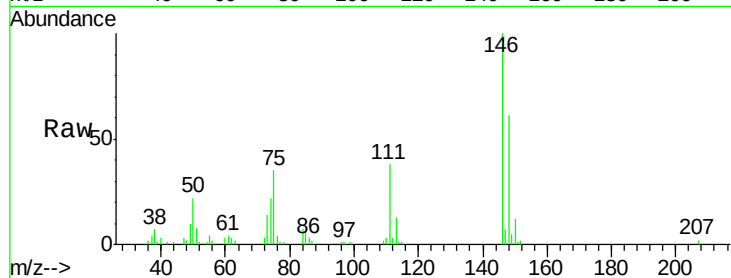
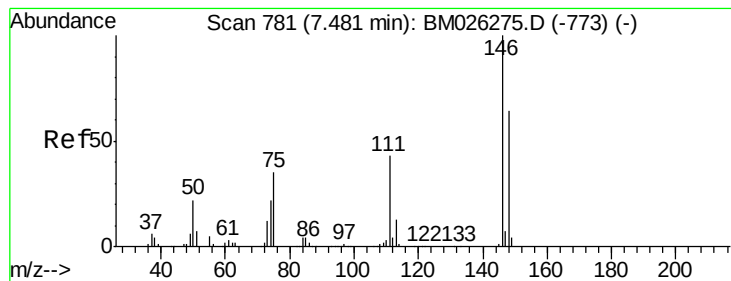
Tot Ion: 93 Resp: 29618
Ion Ratio Lower Upper
93 100
63 92.2 66.7 106.7
95 31.7 14.5 54.5



#12
1,3-Dichlorobenzene
Concen: 4.609 ng
RT: 7.27 min Scan# 746
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion: 146 Resp: 29017
Ion Ratio Lower Upper
146 100
148 64.4 50.3 75.5
75 34.2 29.0 43.6





#13

1,4-Dichlorobenzene

Concen: 4.875 ng

RT: 7.42 min Scan# 771

Delta R.T. 0.00 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

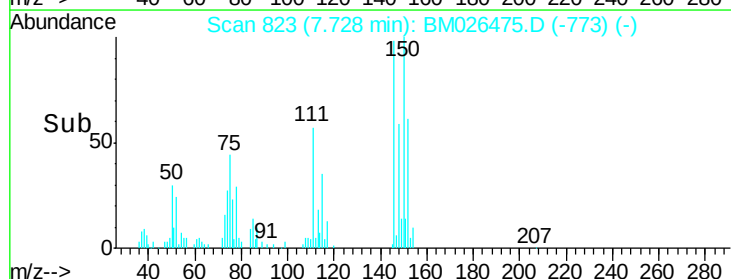
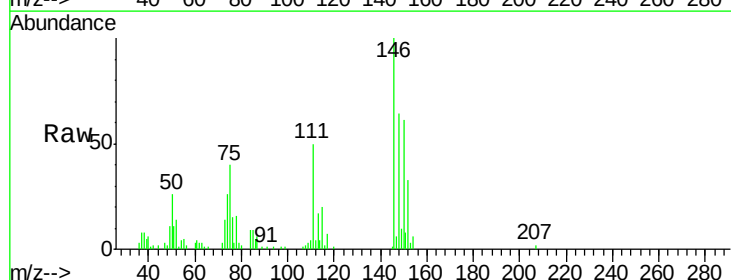
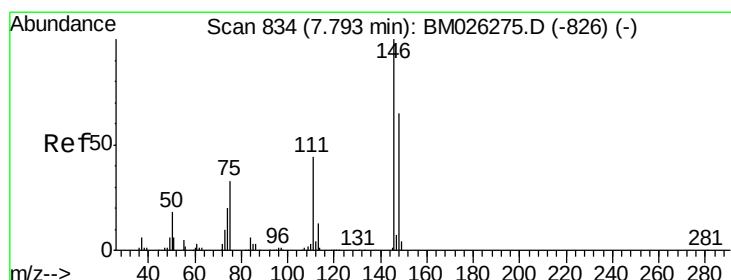
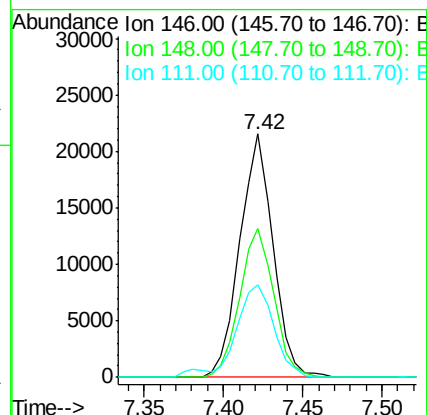
Tot Ion:146 Resp: 31265

Ion Ratio Lower Upper

146 100

148 61.0 52.2 78.2

111 38.2 34.9 52.3



#14

1,2-Dichlorobenzene

Concen: 4.734 ng

RT: 7.73 min Scan# 823

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

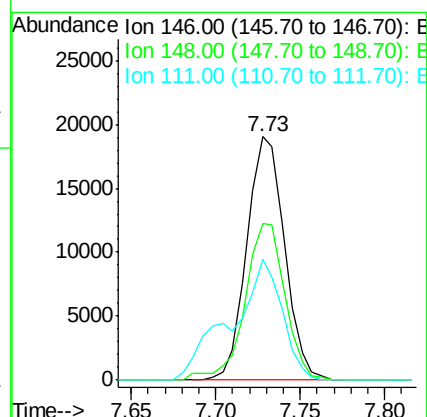
Tgt Ion:146 Resp: 29656

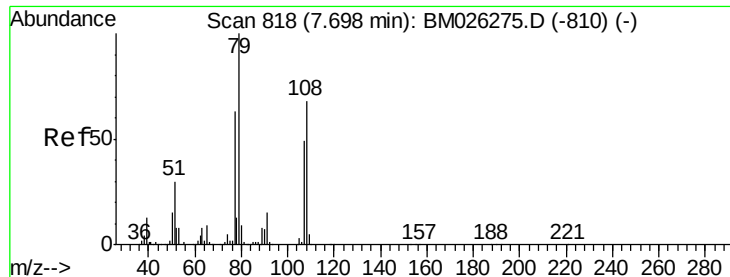
Ion Ratio Lower Upper

146 100

148 64.3 50.8 76.2

111 49.7 35.4 53.0





#15

Benzyl Alcohol

Concen: 3.994 ng

RT: 7.65 min Scan# 809

Delta R.T. 0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

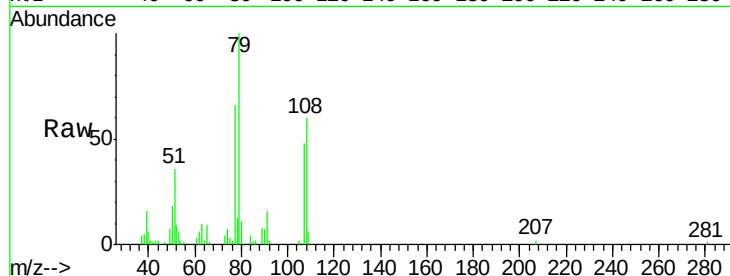
Tot Ion: 79 Resp: 24212

Ion Ratio Lower Upper

79 100

108 60.5 54.6 82.0

77 66.0 51.0 76.4

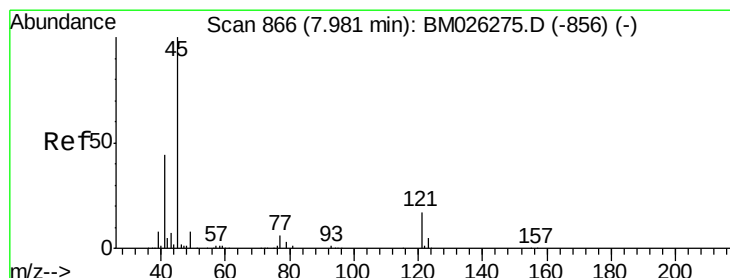
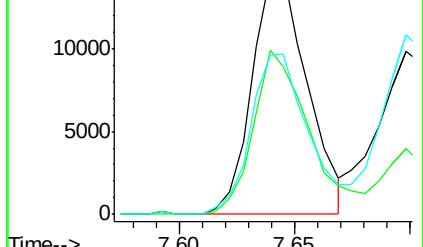
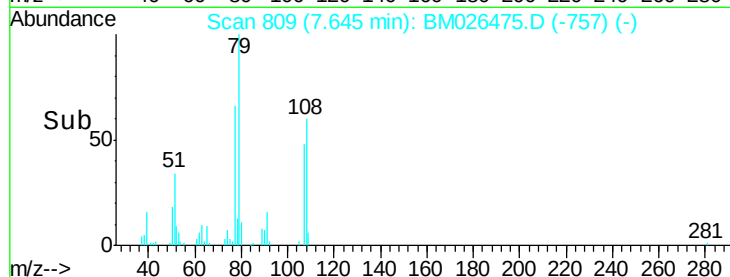


Abundance Ion 79.00 (78.70 to 79.70): BM026475.D (-810) (-)

Ion 108.00 (107.70 to 108.70): BM026475.D (-810) (-)

Ion 77.00 (76.70 to 77.70): BM026475.D (-810) (-)

Time-->



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.959 ng

RT: 7.93 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

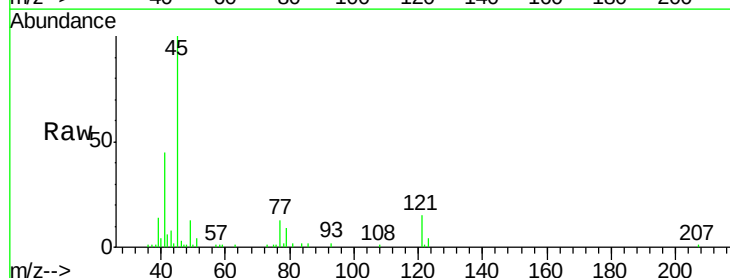
Tgt Ion: 45 Resp: 56711

Ion Ratio Lower Upper

45 100

77 12.6 0.0 31.8

79 8.9 0.0 28.9

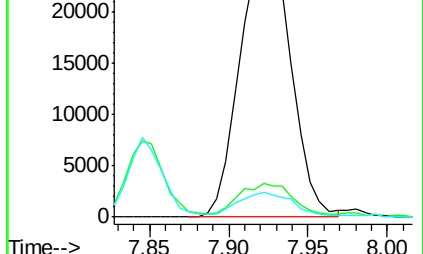
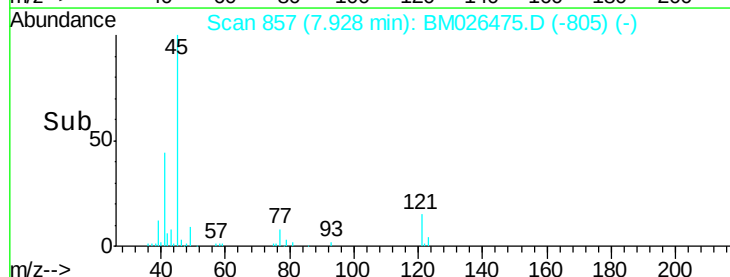


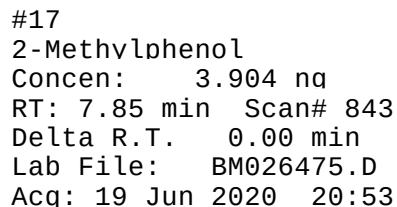
Abundance Ion 45.00 (44.70 to 45.70): BM026475.D (-856) (-)

Ion 77.00 (76.70 to 77.70): BM026475.D (-856) (-)

Ion 79.00 (78.70 to 79.70): BM026475.D (-856) (-)

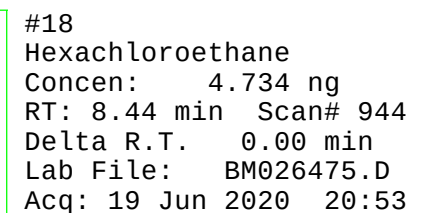
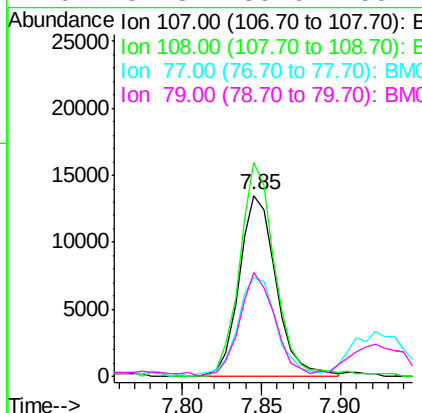
Time-->



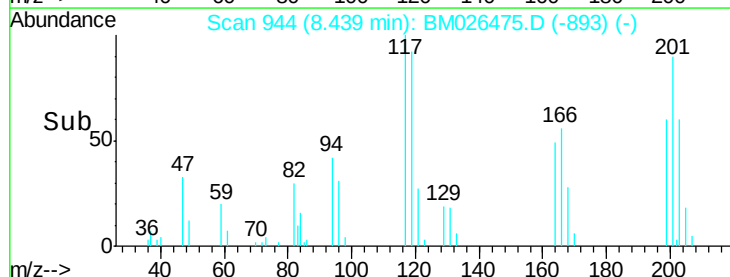
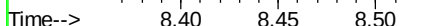
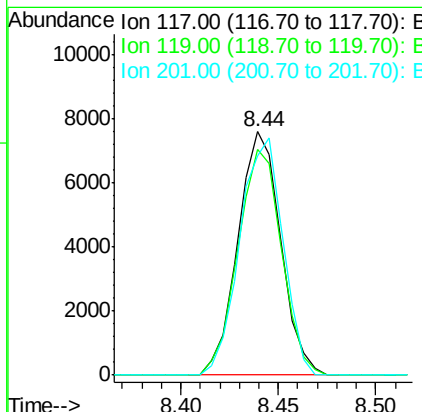


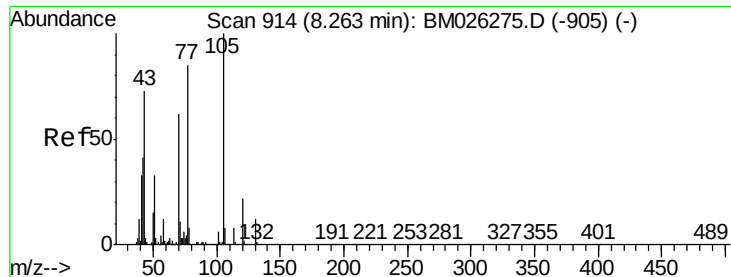
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-OT2-2020

Tat	Ion:107	Resp:	21691
Ion	Ratio	Lower	Upper
107	100		
108	118.2	88.5	132.7
77	54.4	40.6	60.8
79	57.3	39.6	59.4



Tgt	Ion:117	Resp:	11497
Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.8	116.6
201	89.8	79.9	119.9

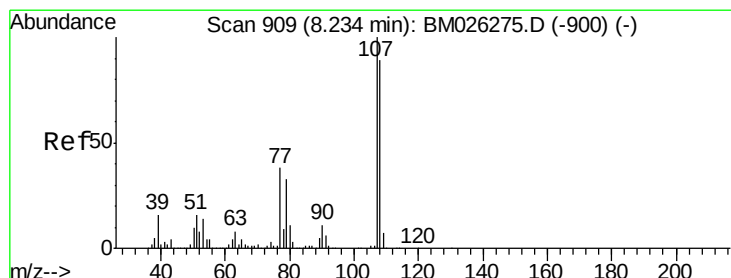
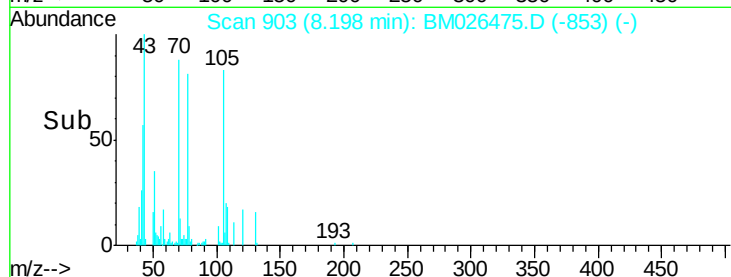
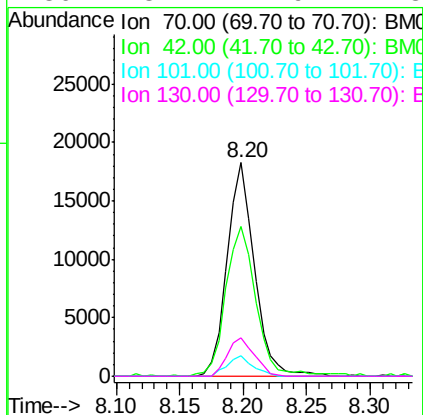
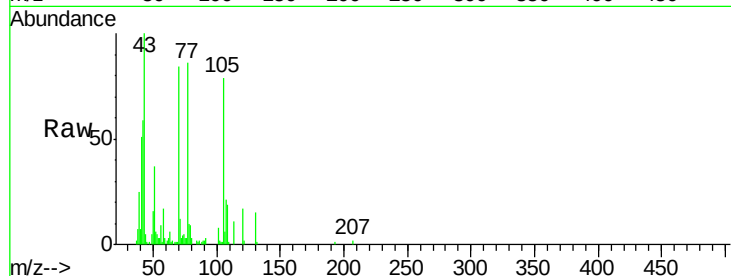




#19
n-Nitroso-di-n-propylamine
Concen: 4.885 ng
RT: 8.20 min Scan# 903
Delta R.T. -0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

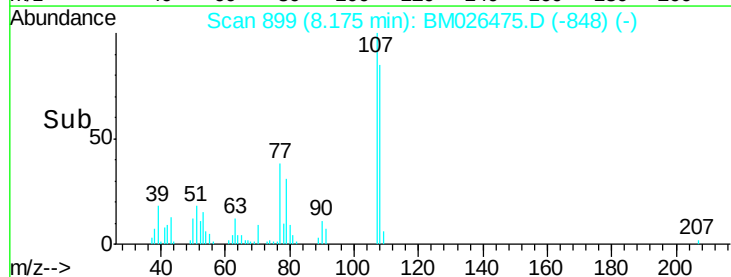
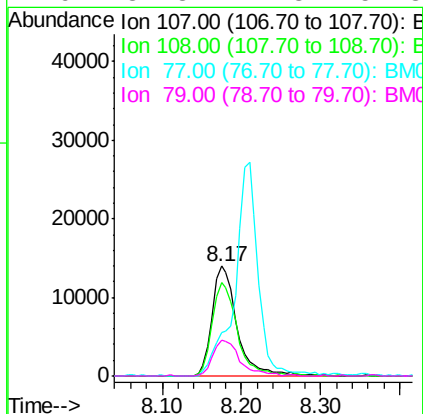
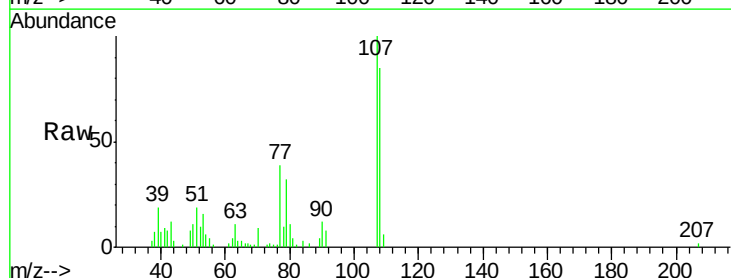
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

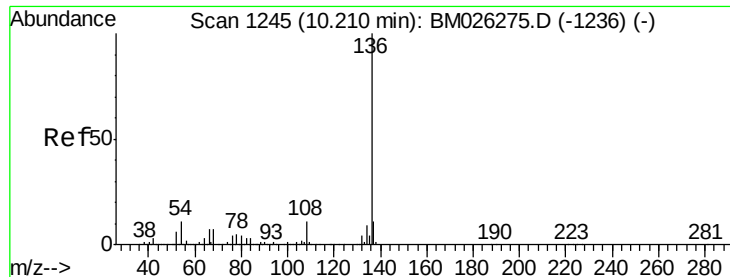
Tot Ion:	70	Resp:	27178
Ion	Ratio	Lower	Upper
70	100		
42	69.9	52.2	78.4
101	9.7	7.0	10.6
130	18.1	14.9	22.3



#20
3+4-Methylphenols
Concen: 4.045 ng
RT: 8.17 min Scan# 899
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion:	107	Resp:	30633
Ion	Ratio	Lower	Upper
107	100		
108	85.2	70.4	110.4
77	39.5	17.3	57.3
79	32.3	12.3	52.3

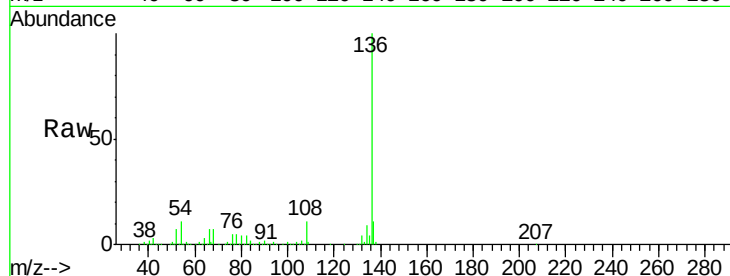




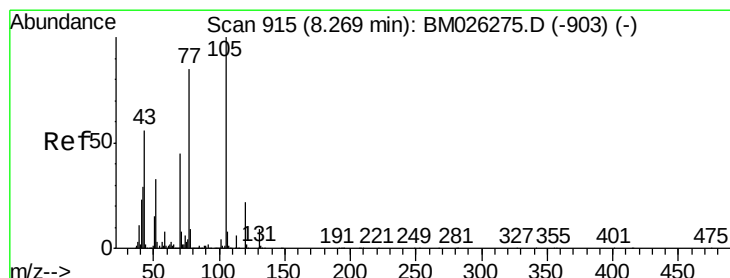
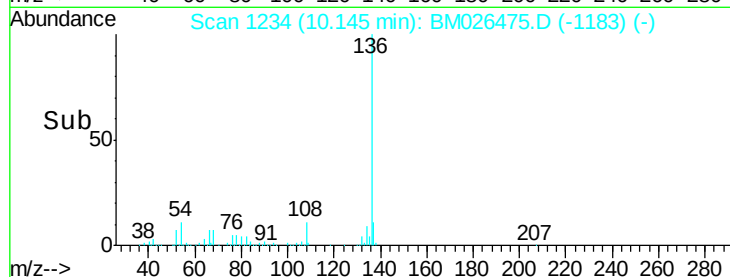
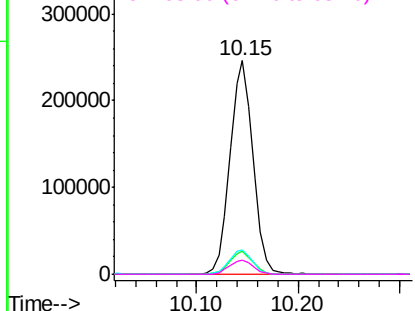
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.15 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:136	Resp:	385288
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.5 12.7
54	11.4	9.0 13.6
68	6.5	5.6 8.4

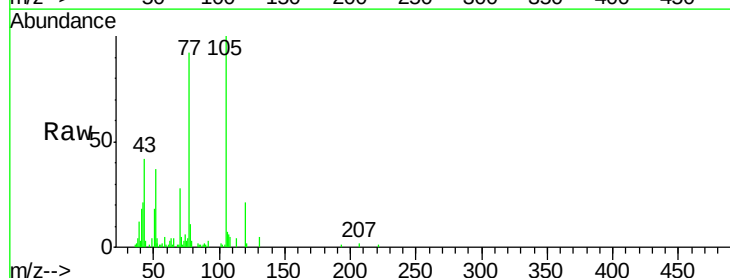


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

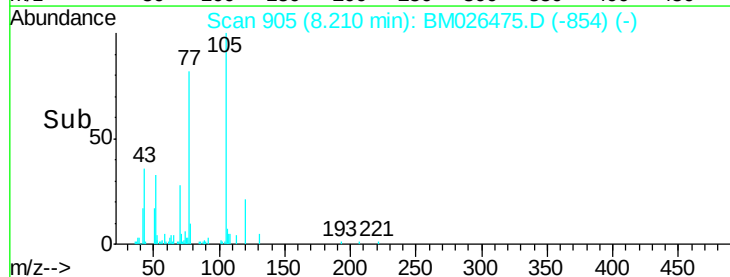
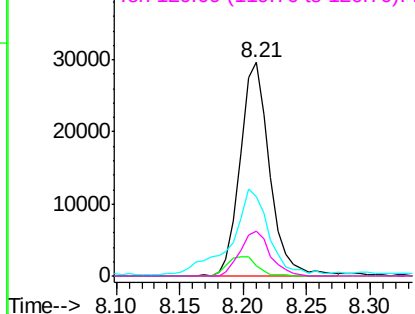


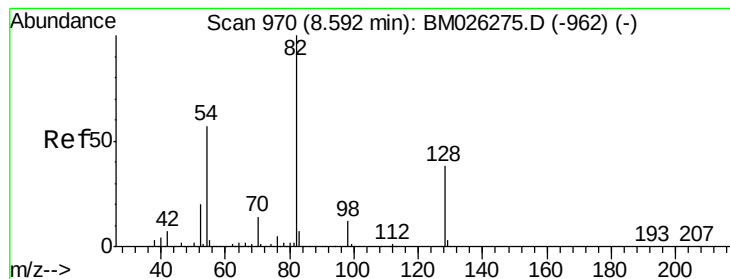
#22
Acetophenone
Concen: 4.831 ng
RT: 8.21 min Scan# 905
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion:105	Resp:	47862
Ion Ratio	Lower	Upper
105	100	
71	4.9	4.5 6.7
51	37.4	25.2 37.8
120	20.8	17.0 25.6



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: 113.705 ng

RT: 8.53 min Scan# 960

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

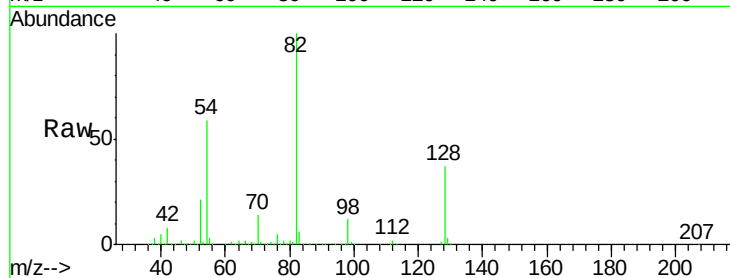
Tot Ion: 82 Resp: 892245

Ion Ratio Lower Upper

82 100

128 37.3 31.0 46.6

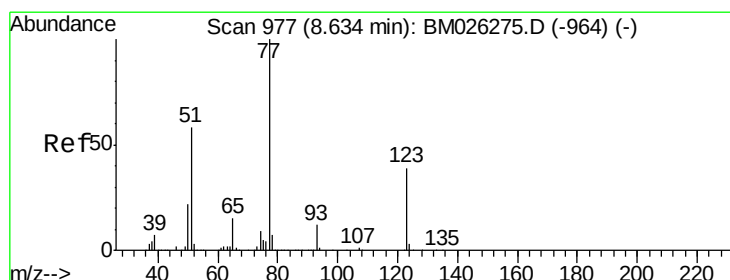
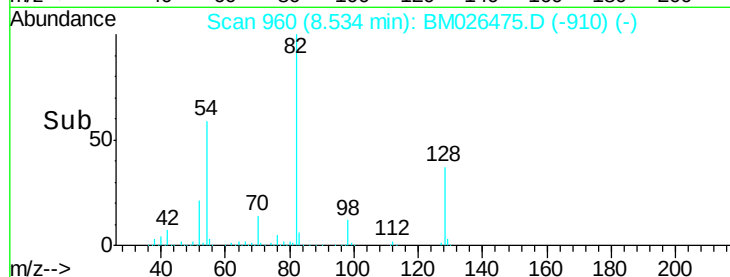
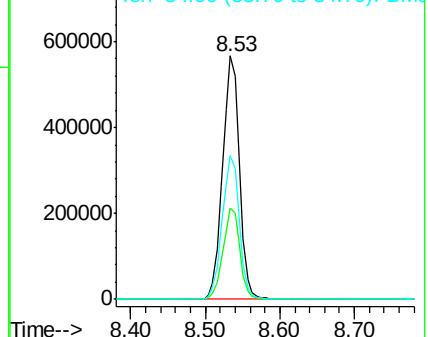
54 59.2 45.4 68.2



Abundance Ion 82.00 (81.70 to 82.70): BM026475.D (-960) (-)

Ion 128.00 (127.70 to 128.70): BM026475.D (-960) (-)

Ion 54.00 (53.70 to 54.70): BM026475.D (-960) (-)



#24

Nitrobenzene

Concen: 5.338 ng

RT: 8.57 min Scan# 967

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

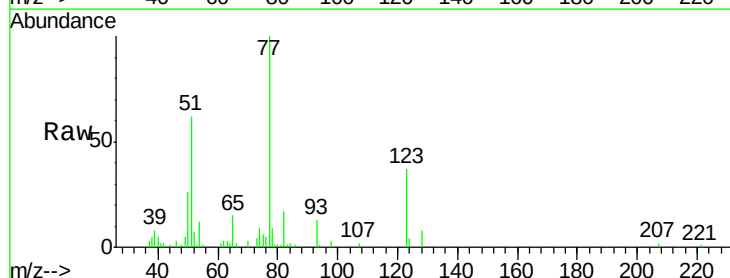
Tgt Ion: 77 Resp: 43850

Ion Ratio Lower Upper

77 100

123 36.6 32.0 48.0

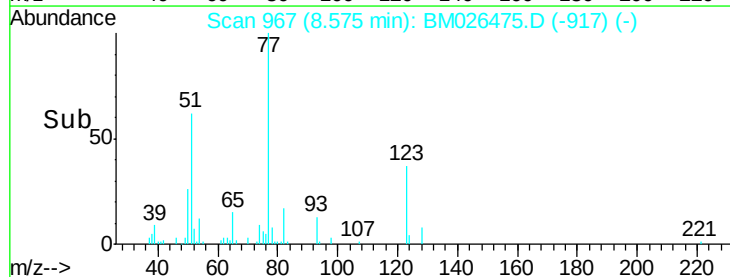
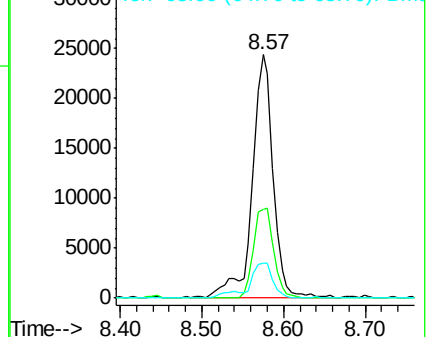
65 14.5 11.8 17.8

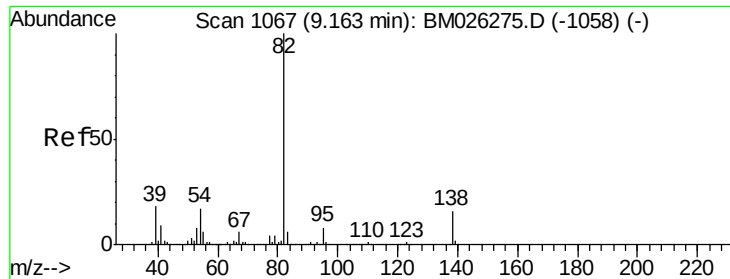


Abundance Ion 77.00 (76.70 to 77.70): BM026475.D (-917) (-)

Ion 123.00 (122.70 to 123.70): BM026475.D (-917) (-)

Ion 65.00 (64.70 to 65.70): BM026475.D (-917) (-)

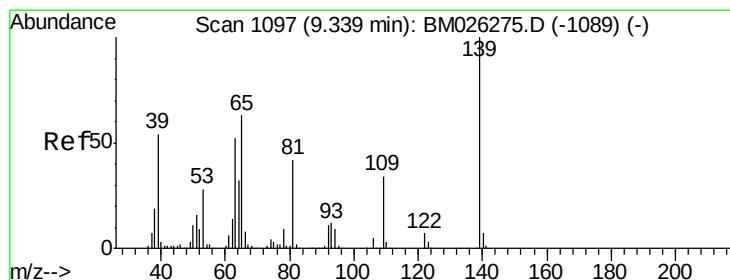
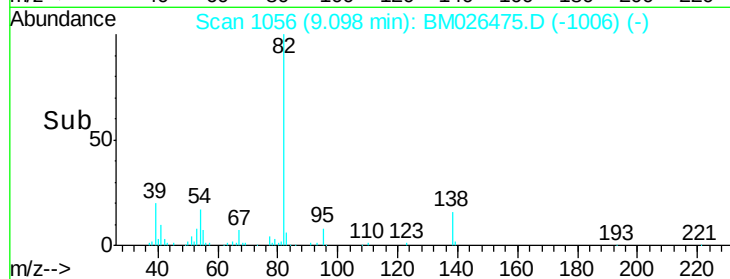
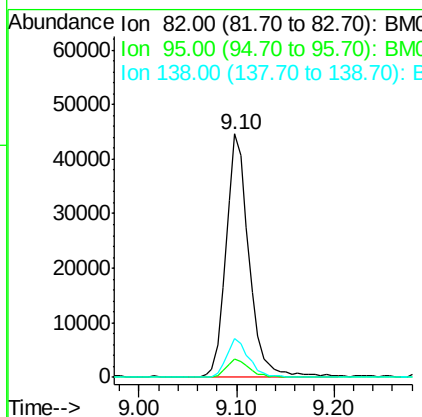
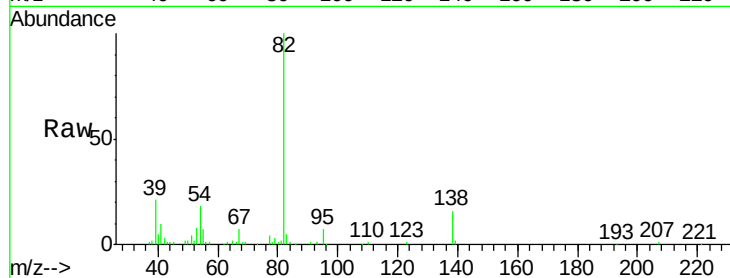




#25
Isophorone
Concen: 4.944 ng
RT: 9.10 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

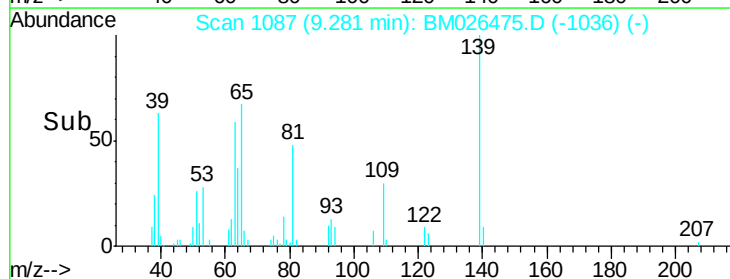
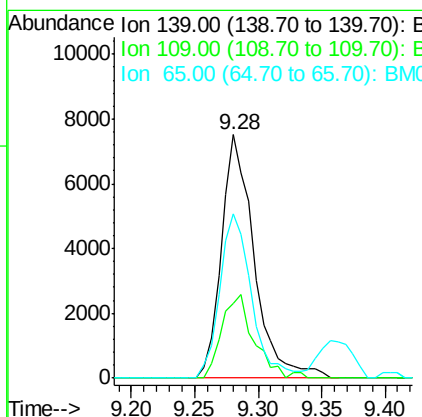
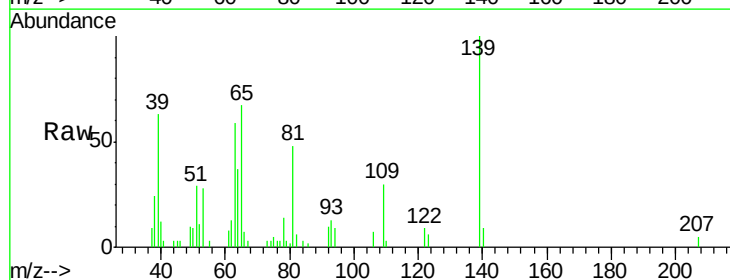
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

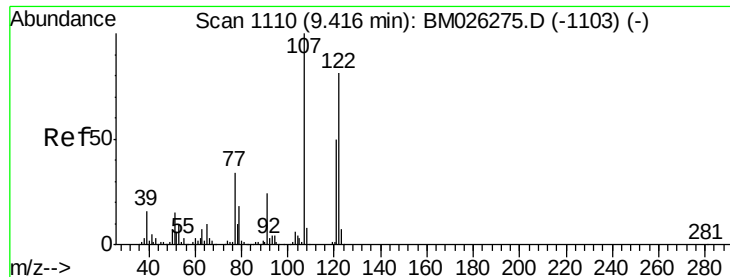
Tot Ion: 82 Resp: 72890
Ion Ratio Lower Upper
82 100
95 7.5 6.0 9.0
138 15.8 12.7 19.1



#26
2-Nitrophenol
Concen: 4.116 ng
RT: 9.28 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion: 139 Resp: 13382
Ion Ratio Lower Upper
139 100
109 30.4 25.2 37.8
65 67.5 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 2.684 ng

RT: 9.36 min Scan# 1101

Delta R.T. 0.00 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

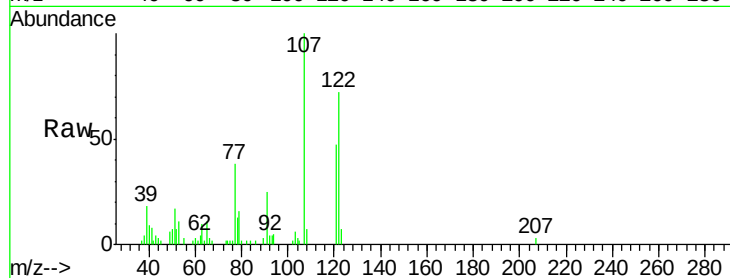
Tot Ion:122 Resp: 13774

Ion Ratio Lower Upper

122 100

107 138.3 96.1 144.1

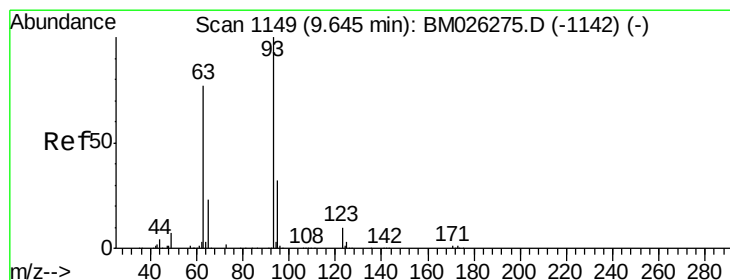
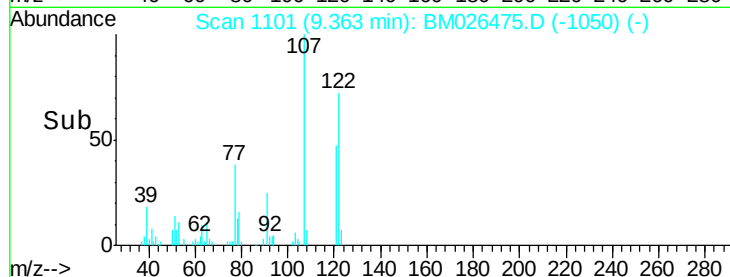
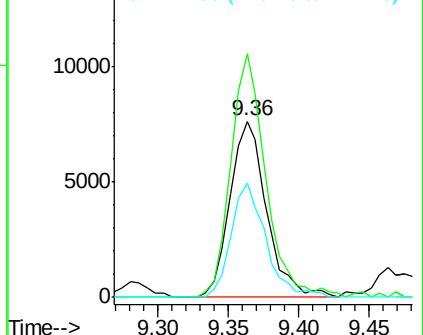
121 64.6 46.0 69.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 5.060 ng

RT: 9.59 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

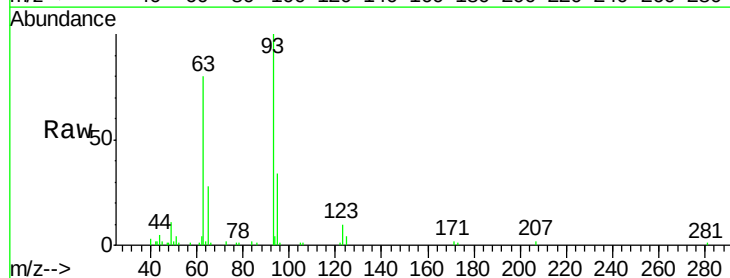
Tgt Ion: 93 Resp: 42324

Ion Ratio Lower Upper

93 100

95 33.6 25.9 38.9

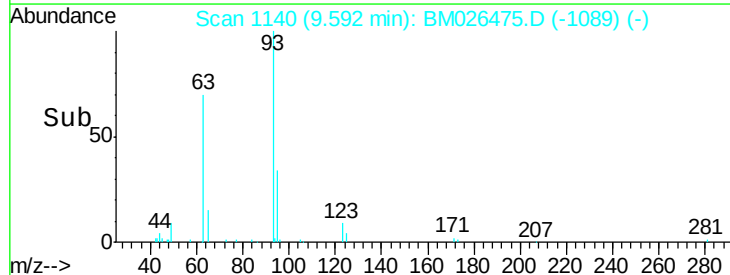
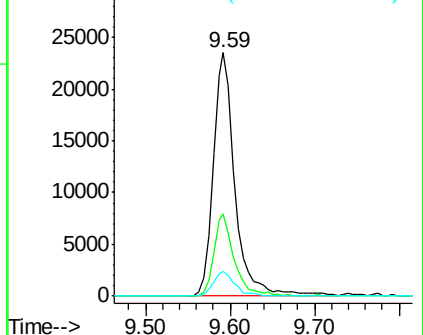
123 10.0 8.9 13.3

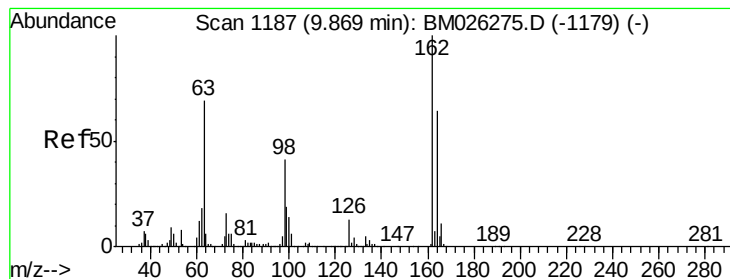


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 4.200 ng

RT: 9.82 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

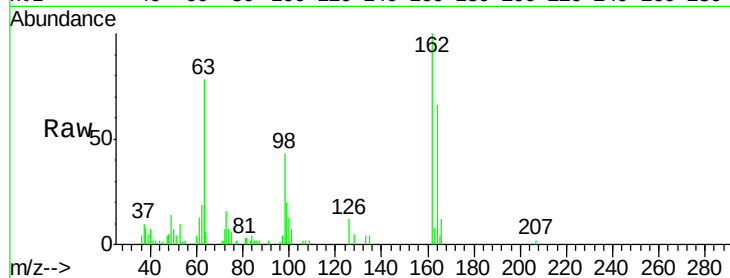
Tot Ion:162 Resp: 23652

Ion Ratio Lower Upper

162 100

164 65.8 46.2 86.2

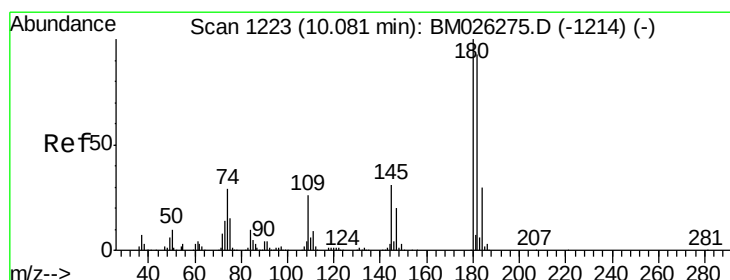
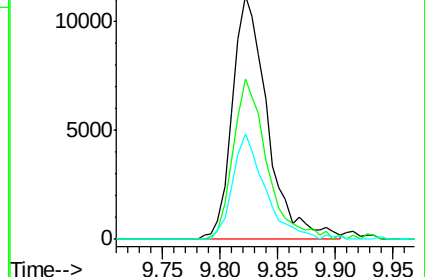
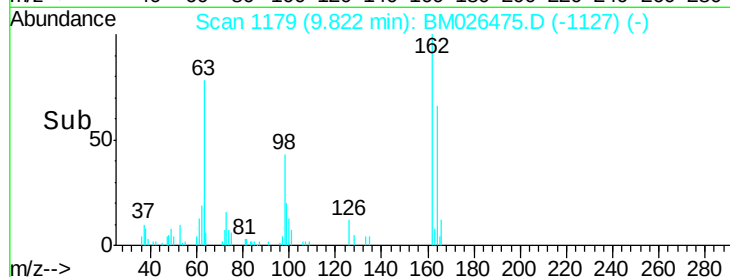
98 43.4 19.0 59.0



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): BM



#30

1,2,4-Trichlorobenzene

Concen: 4.888 ng

RT: 10.02 min Scan# 1212

Delta R.T. 0.00 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

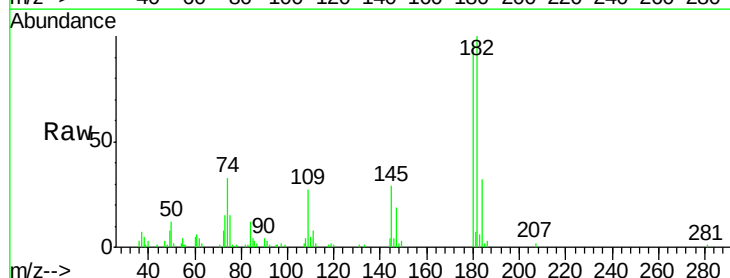
Tgt Ion:180 Resp: 30183

Ion Ratio Lower Upper

180 100

182 104.2 77.3 115.9

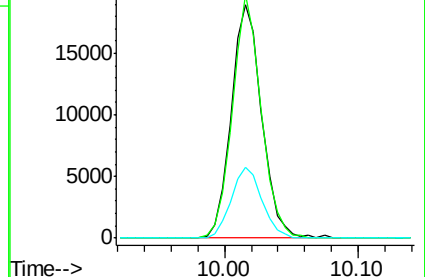
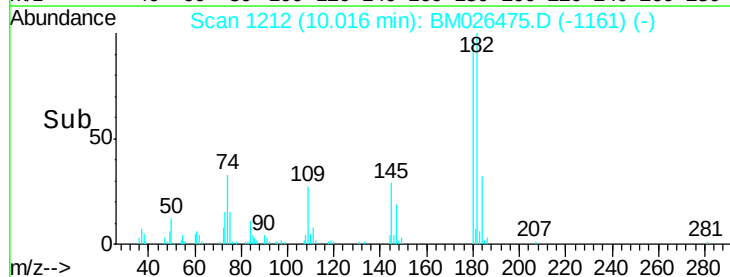
145 30.6 26.6 40.0

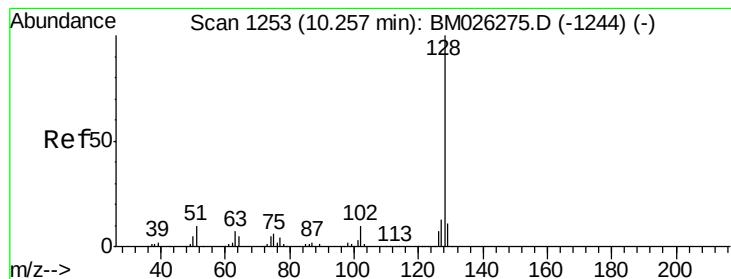


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

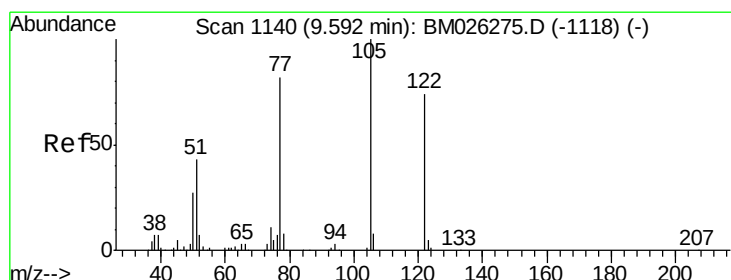
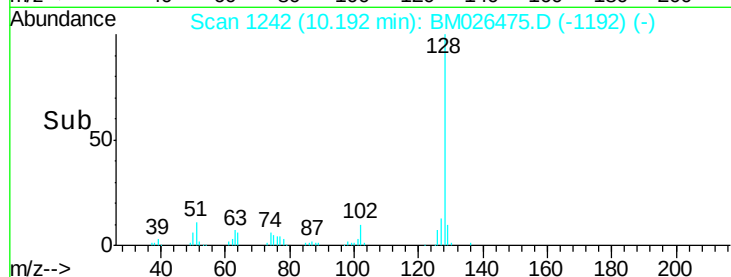
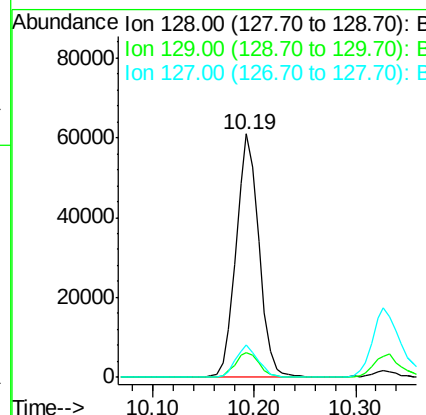
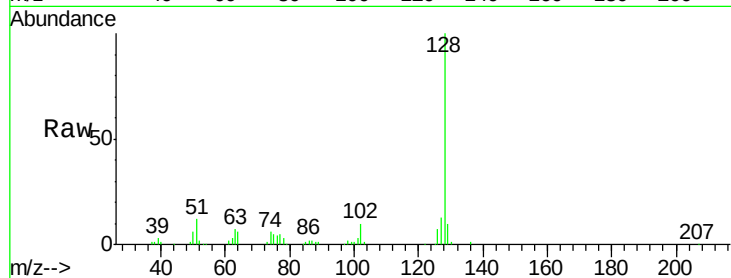




#31
Naphthalene
Concen: 4.895 ng
RT: 10.19 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

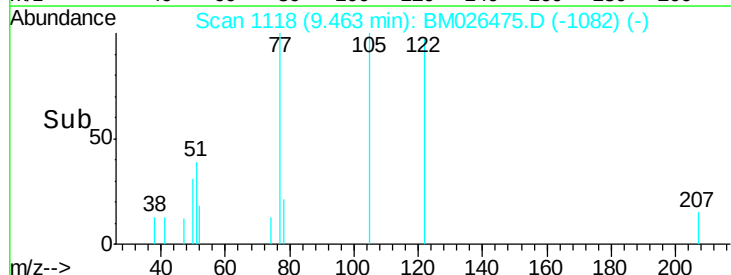
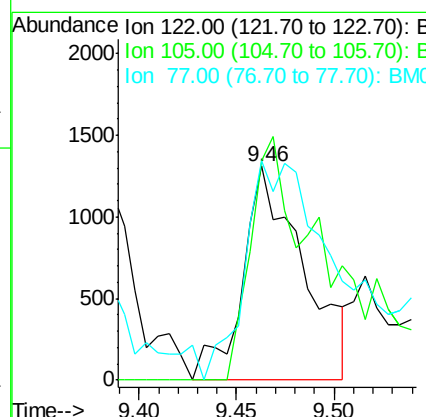
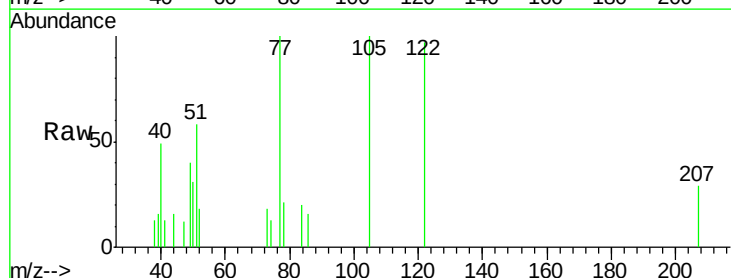
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

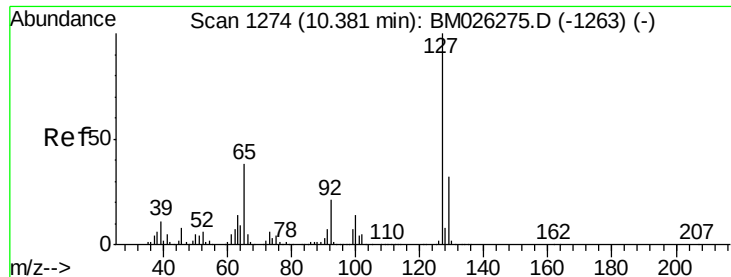
Tot Ion:128 Resp: 95047
Ion Ratio Lower Upper
128 100
129 10.2 8.4 12.6
127 13.2 10.2 15.4



#32
Benzoic acid
Concen: 0.745 ng
RT: 9.46 min Scan# 1118
Delta R.T. -0.09 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion:122 Resp: 2839
Ion Ratio Lower Upper
122 100
105 102.7 108.9 148.9#
77 102.7 90.1 130.1

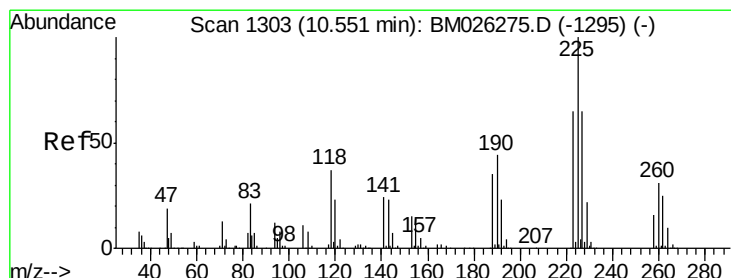
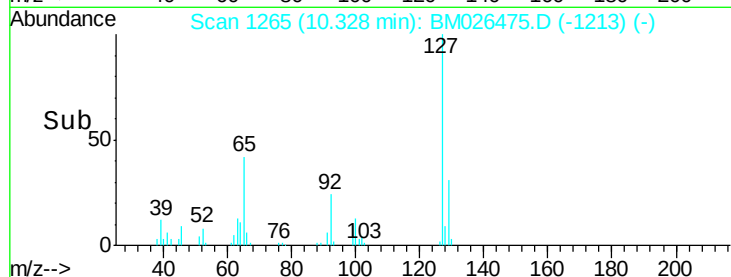
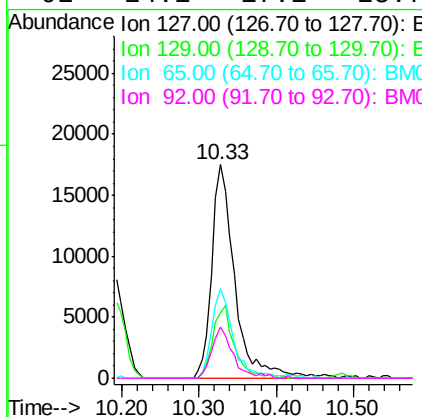
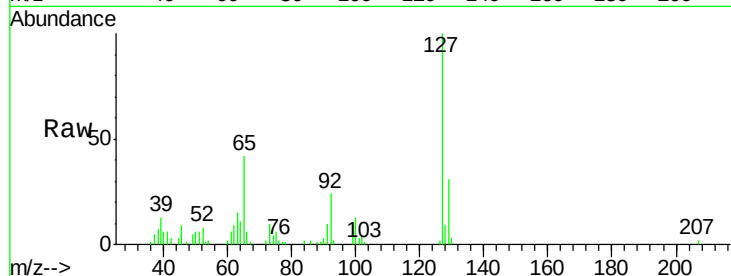




#33
4-Chloroaniline
Concen: 4.284 ng
RT: 10.33 min Scan# 1265
Delta R.T. 0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

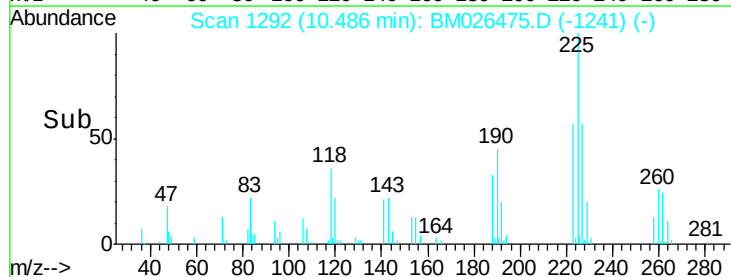
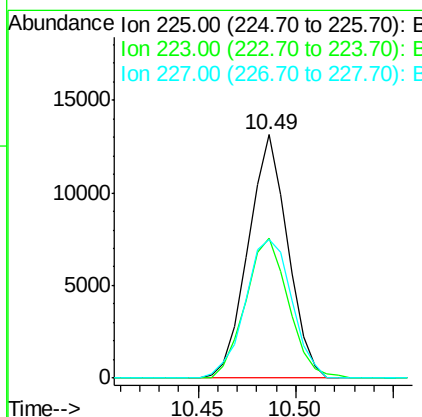
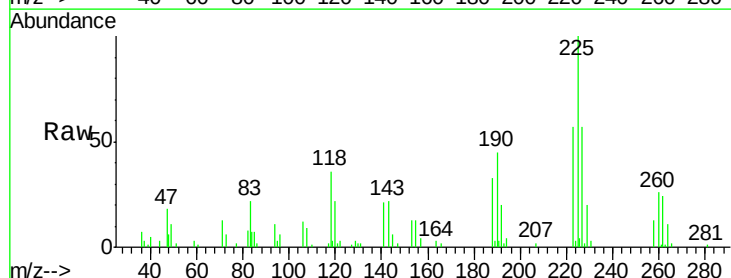
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

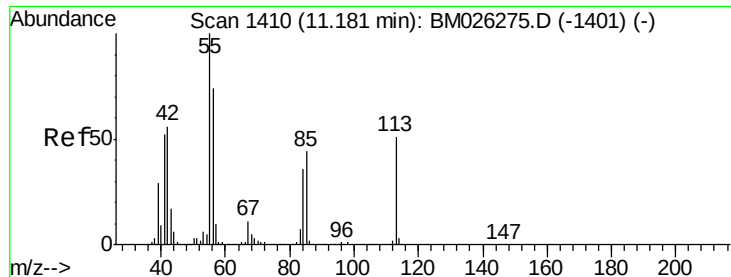
Tot Ion:127	Resp:	36281
Ion	Ratio	Lower Upper
127	100	
129	30.8	25.3 37.9
65	42.1	30.0 45.0
92	24.1	17.1 25.7



#34
Hexachlorobutadiene
Concen: 4.733 ng
RT: 10.49 min Scan# 1292
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion:225	Resp:	18450
Ion	Ratio	Lower Upper
225	100	
223	60.0	50.2 75.4
227	56.7	49.5 74.3





#35

Caprolactam

Concen: 4.887 ng

RT: 11.10 min Scan# 1397

Delta R.T. -0.02 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

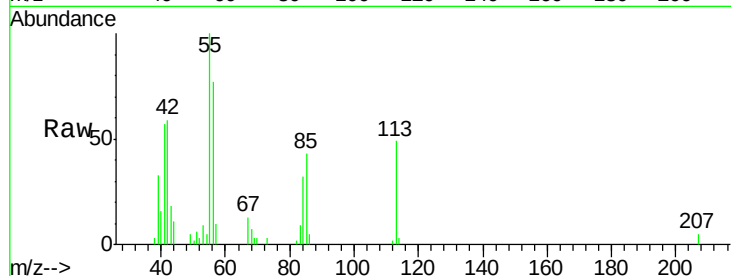
Tot Ion:113 Resp: 9668

Ion Ratio Lower Upper

113 100

55 204.8 177.1 217.1

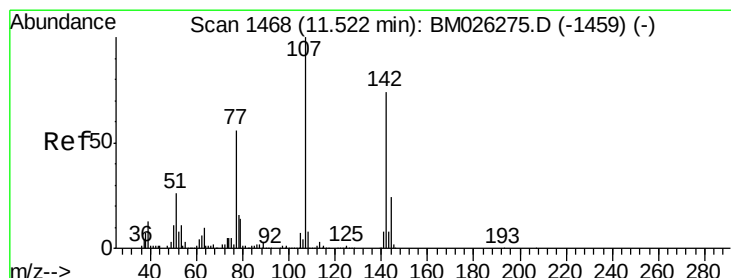
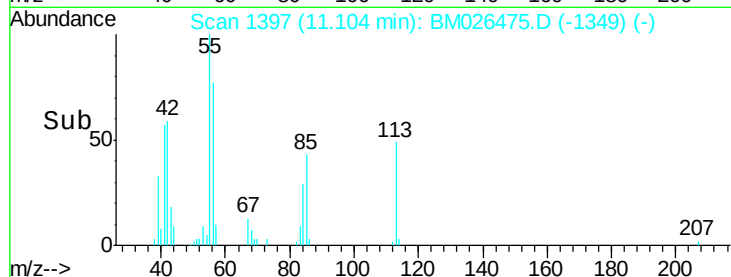
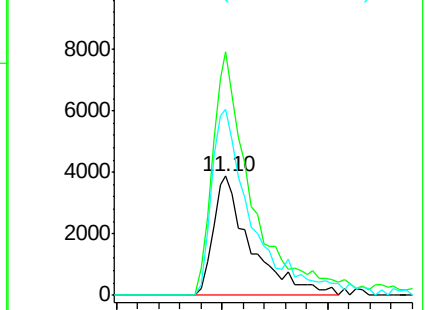
56 157.0 134.8 174.8



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: 4.606 ng

RT: 11.46 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

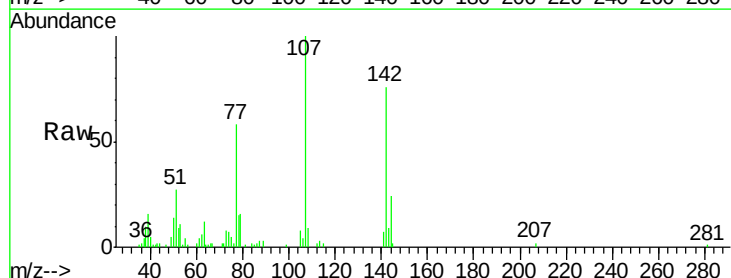
Tgt Ion:107 Resp: 31607

Ion Ratio Lower Upper

107 100

144 23.6 18.7 28.1

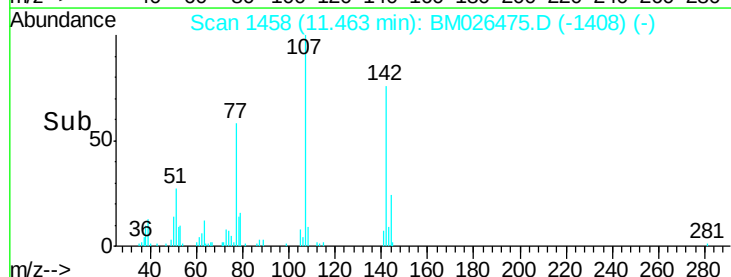
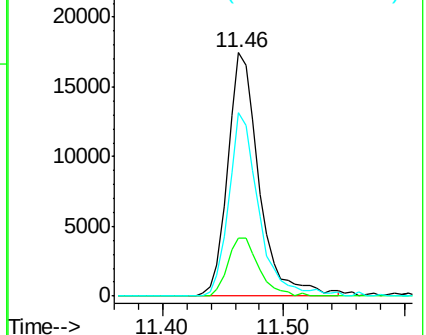
142 75.5 57.7 86.5

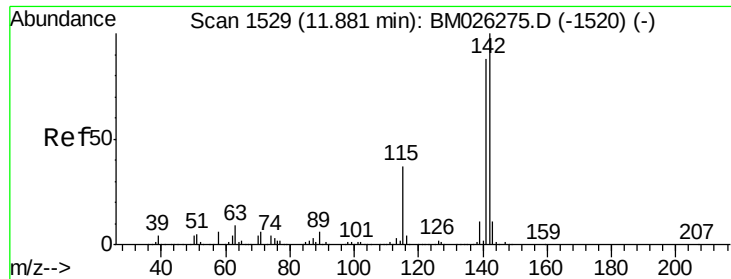


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

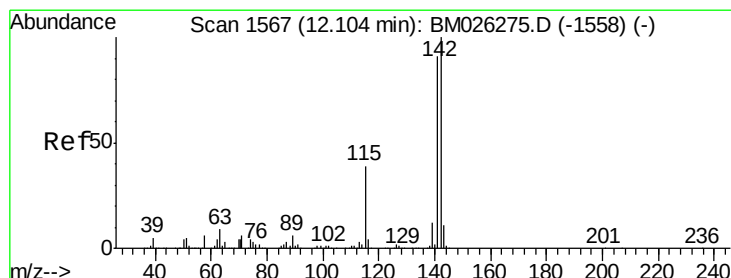
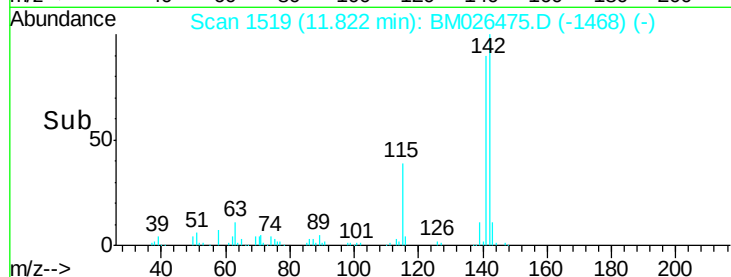
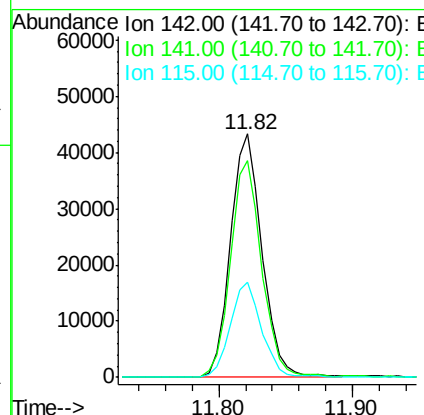
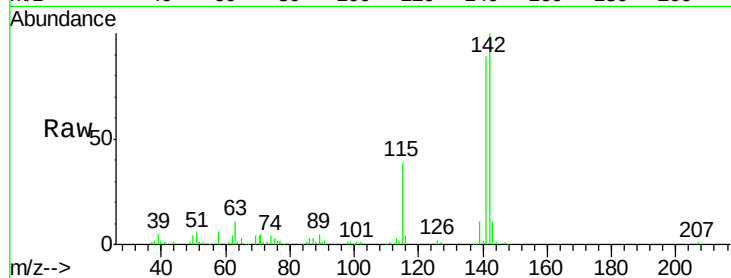




#37
2-Methylnaphthalene
Concen: 5.178 ng
RT: 11.82 min Scan# 1519
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

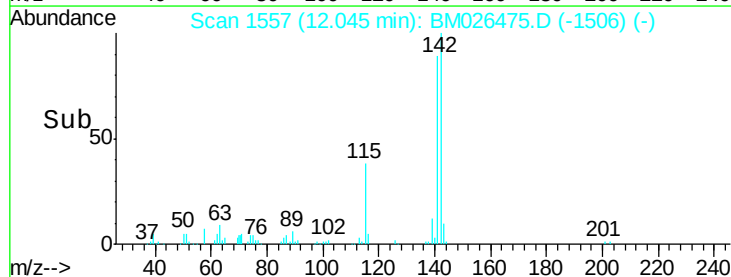
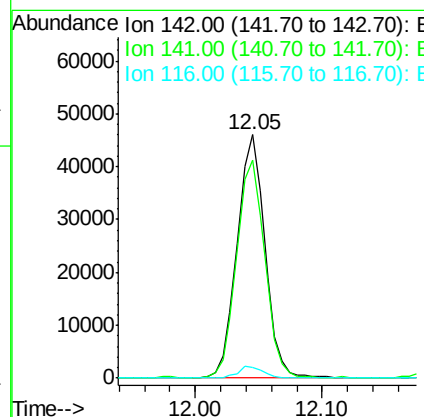
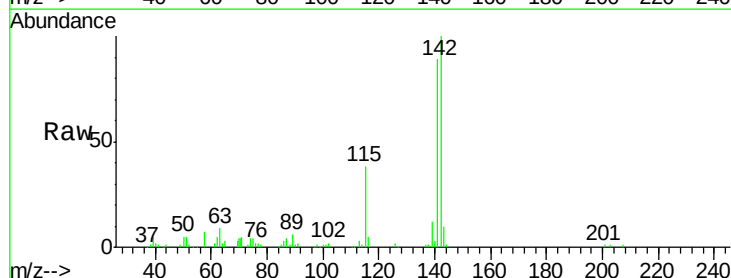
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

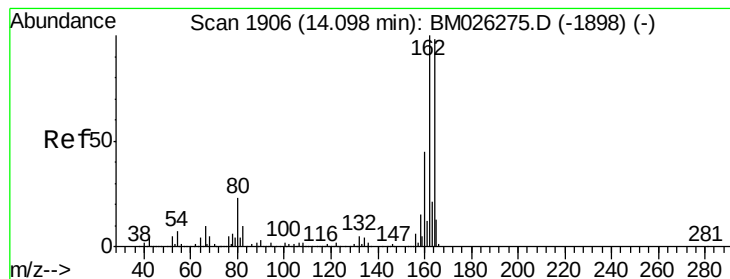
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.5	105.7
115	38.8	30.2	45.4



#38
1-Methylnaphthalene
Concen: 5.336 ng
RT: 12.05 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	73.3	109.9
116	4.5	3.4	5.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.04 min Scan# 1897

Delta R.T. 0.00 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

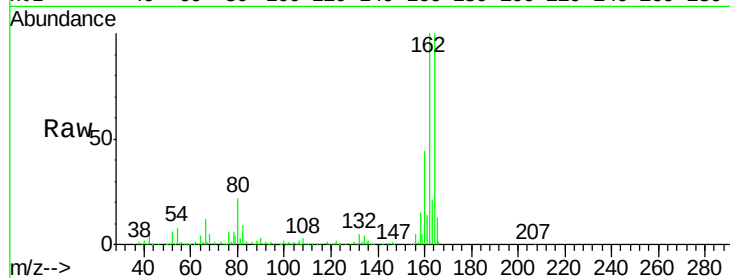
Tot Ion:164 Resp: 276092

Ion Ratio Lower Upper

164 100

162 100.4 77.7 116.5

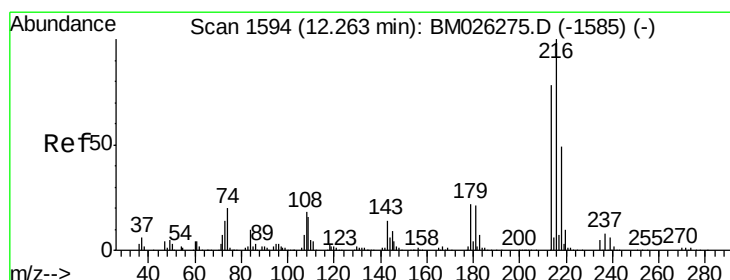
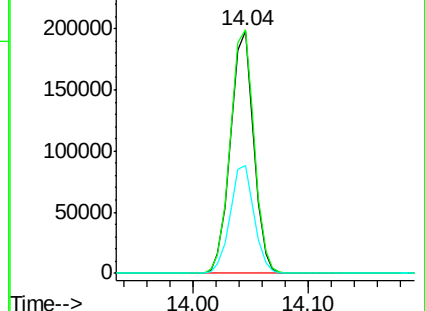
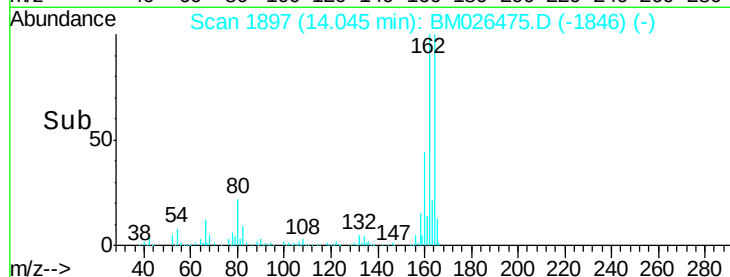
160 44.4 34.2 51.2



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: 5.105 ng

RT: 12.20 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Tgt Ion:216 Resp: 40123

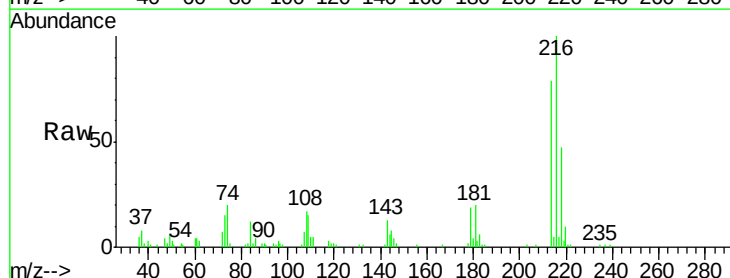
Ion Ratio Lower Upper

216 100

214 76.2 61.9 92.9

179 20.7 16.3 24.5

108 18.7 15.3 22.9

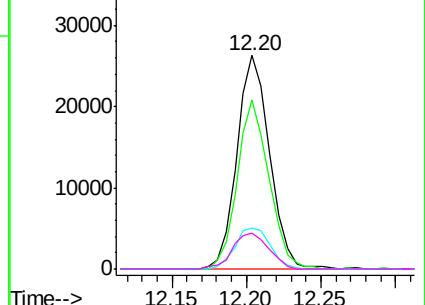
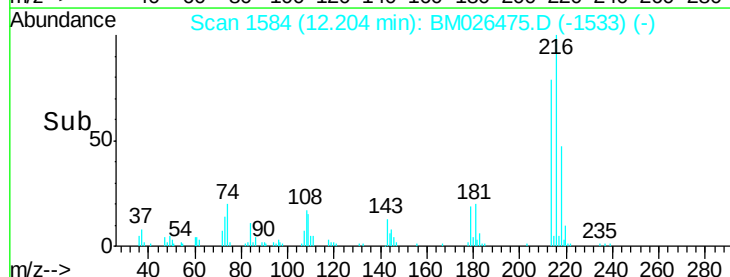


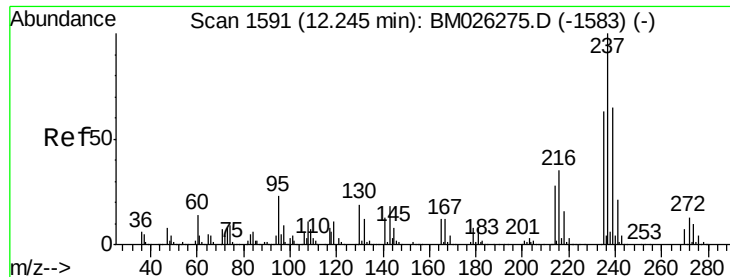
Abundance Ion 216.00 (215.70 to 216.70): E

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: 1.605 ng

RT: 12.18 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

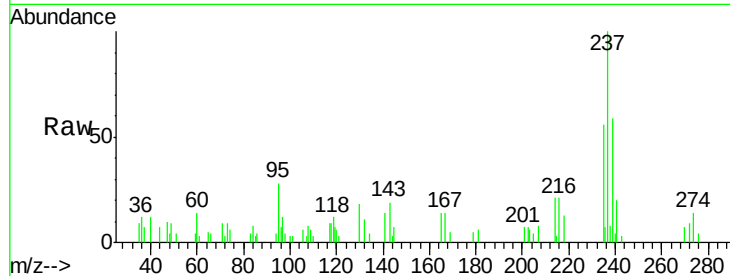
Tot Ion:237 Resp: 7433

Ion Ratio Lower Upper

237 100

235 56.4 42.1 82.1

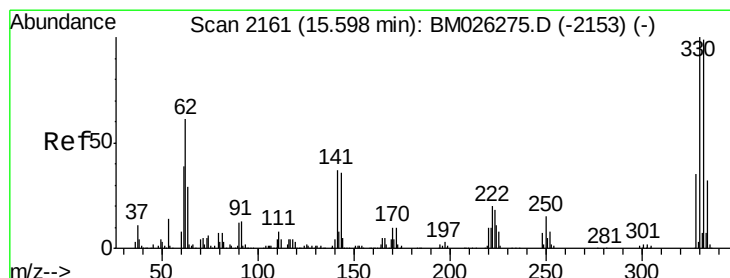
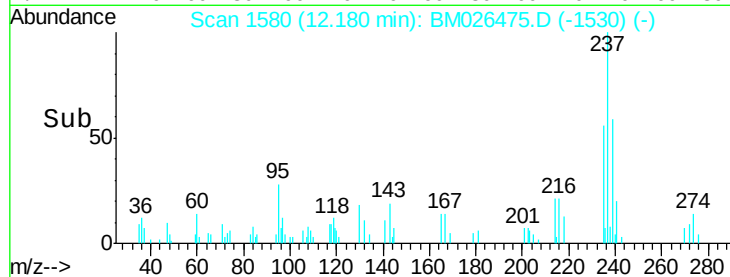
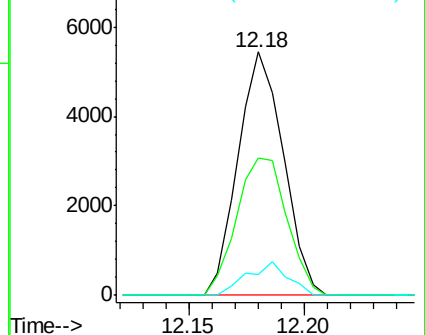
272 8.6 0.0 33.5



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: 196.997 ng

RT: 15.55 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

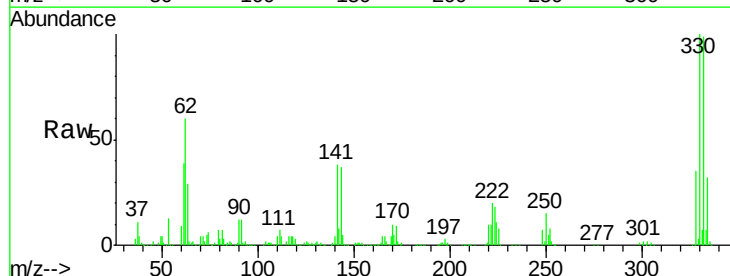
Tgt Ion:330 Resp: 658844

Ion Ratio Lower Upper

330 100

332 97.3 77.7 116.5

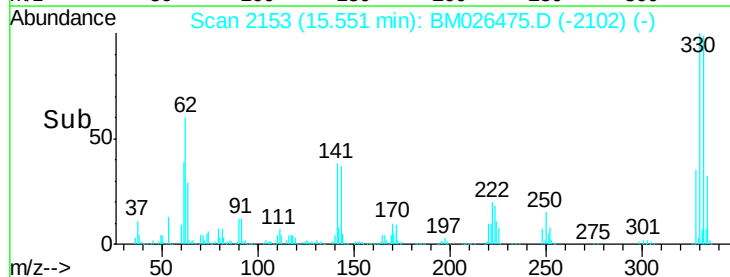
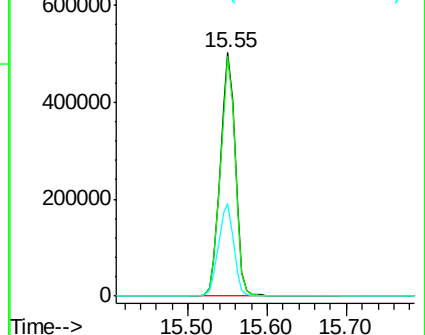
141 38.6 29.7 44.5

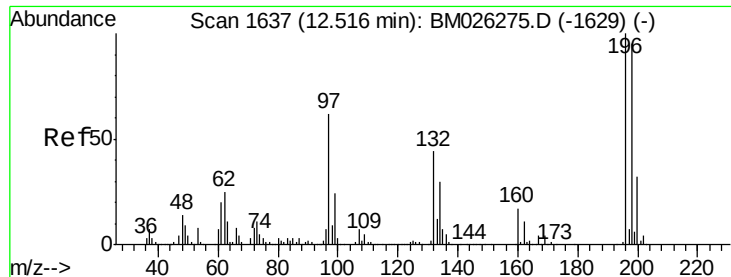


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

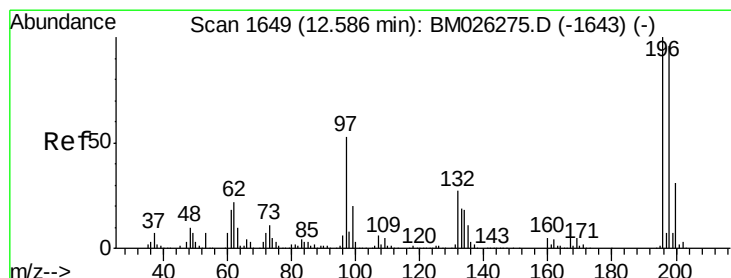
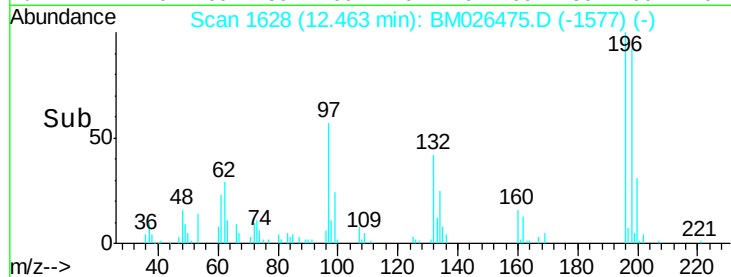
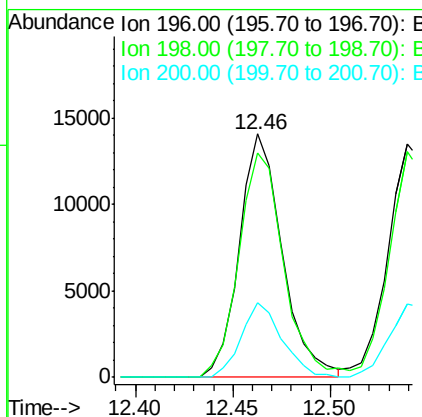
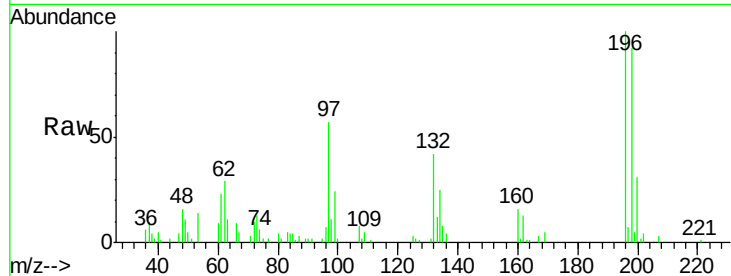




#43
2,4,6-Trichlorophenol
Concen: 4.055 ng
RT: 12.46 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

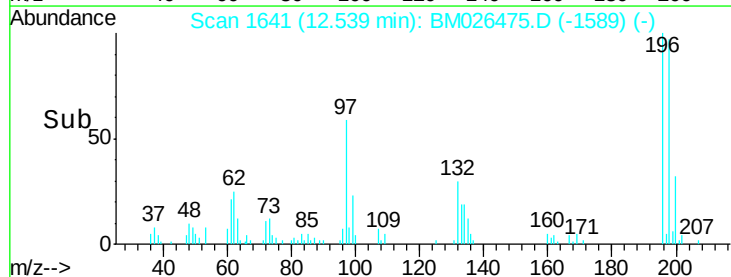
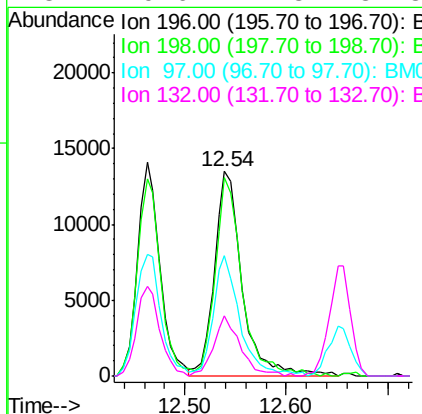
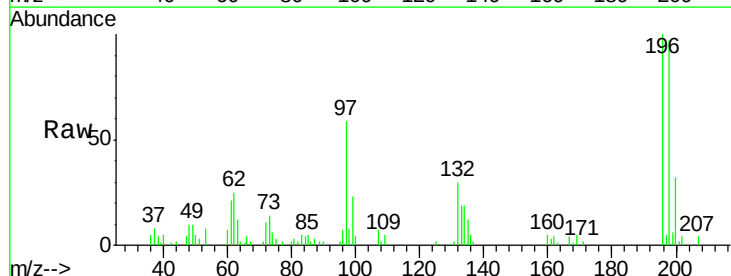
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

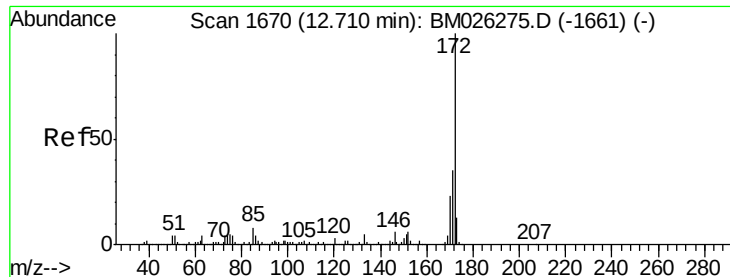
Tot Ion:196 Resp: 21573
Ion Ratio Lower Upper
196 100
198 92.2 79.0 118.4
200 30.6 25.2 37.8



#44
2,4,5-Trichlorophenol
Concen: 4.146 ng
RT: 12.54 min Scan# 1641
Delta R.T. 0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion:196 Resp: 25603
Ion Ratio Lower Upper
196 100
198 97.1 77.1 115.7
97 58.8 43.0 64.4
132 29.6 21.8 32.8

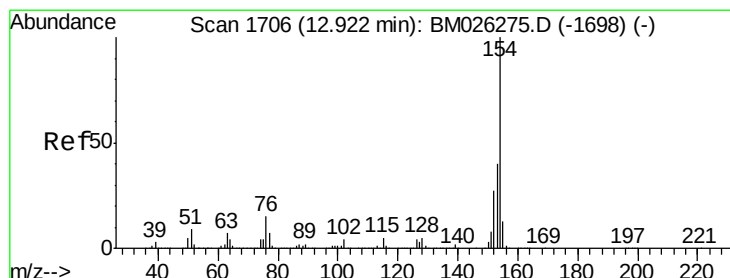
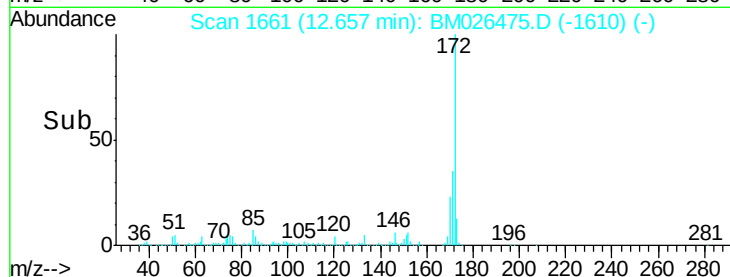
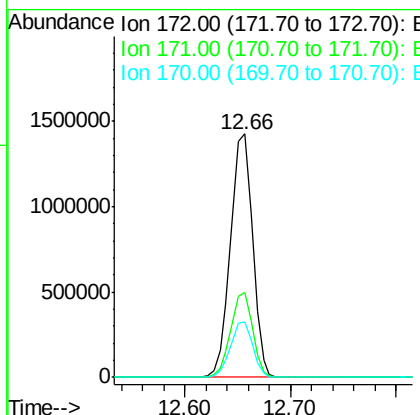
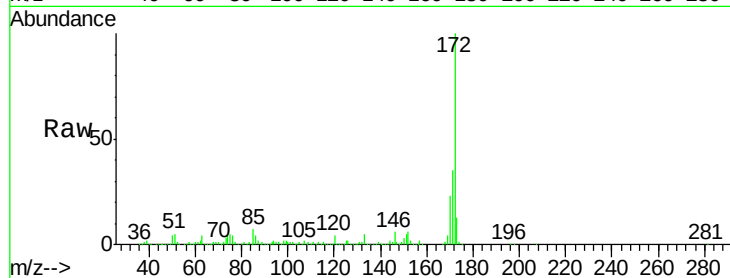




#45
2-Fluorobiphenyl
Concen: 113.195 ng
RT: 12.66 min Scan# 1661
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

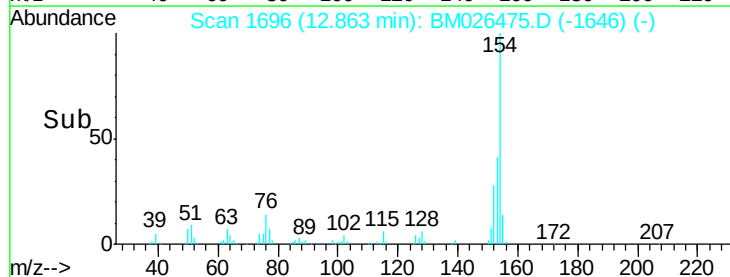
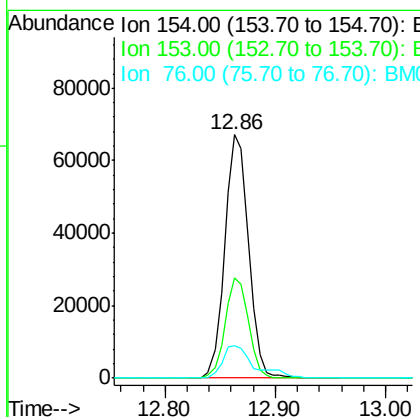
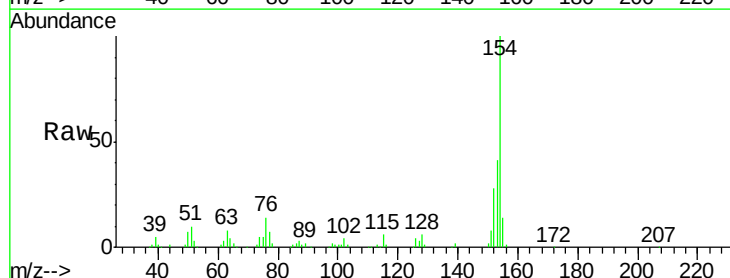
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

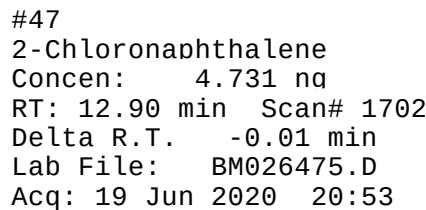
Tot Ion:172 Resp: 2058826
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 22.8 18.2 27.4



#46
1,1'-Biphenyl
Concen: 5.216 ng
RT: 12.86 min Scan# 1696
Delta R.T. -0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

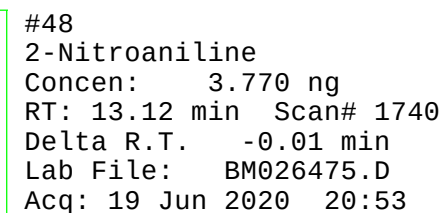
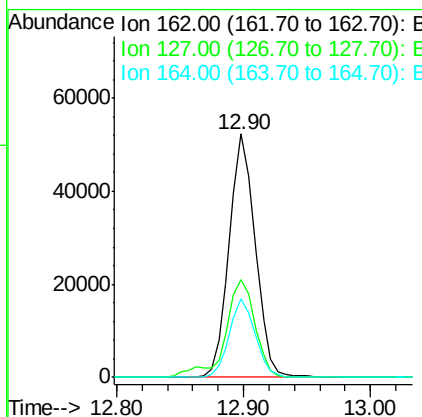
Tgt Ion:154 Resp: 100954
Ion Ratio Lower Upper
154 100
153 41.1 20.0 60.0
76 13.5 0.0 34.6



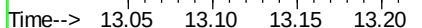
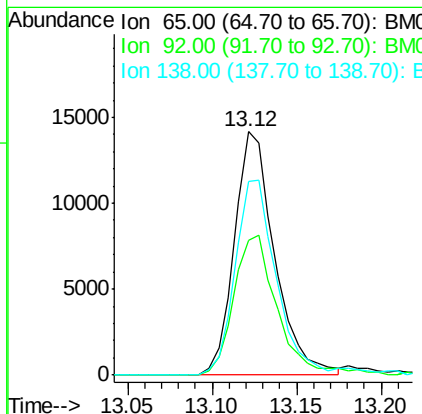


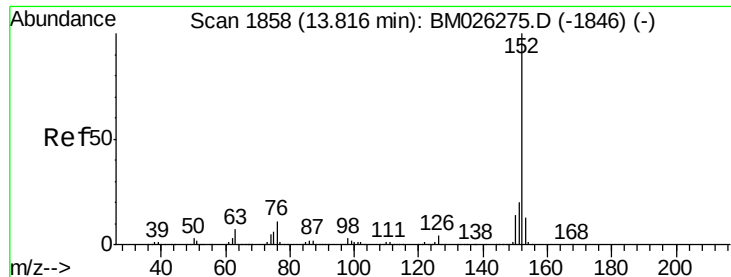
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-OT2-2020

Tqt	Ion:162	Resp:	74387
Ion	Ratio	Lower	Upper
162	100		
127	39.9	34.0	51.0
164	32.1	26.3	39.5



Tgt	Ion: 65	Resp:	23489
Ion	Ratio	Lower	Upper
65	100		
92	55.2	50.6	76.0
138	79.8	71.6	107.4





#49

Acenaphthylene

Concen: 4.792 ng

RT: 13.76 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

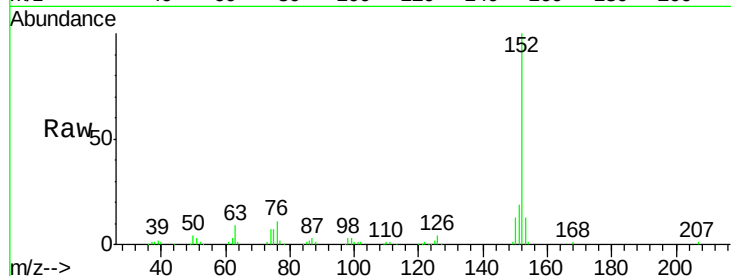
Tot Ion:152 Resp: 120503

Ion Ratio Lower Upper

152 100

151 19.3 15.8 23.6

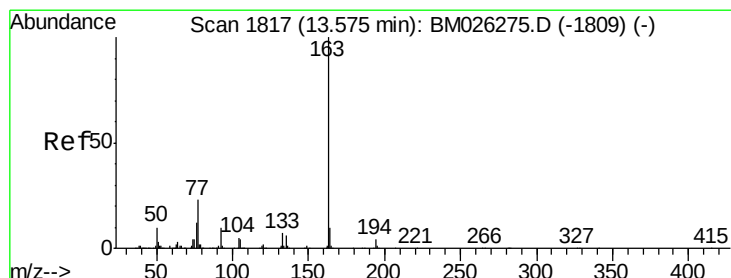
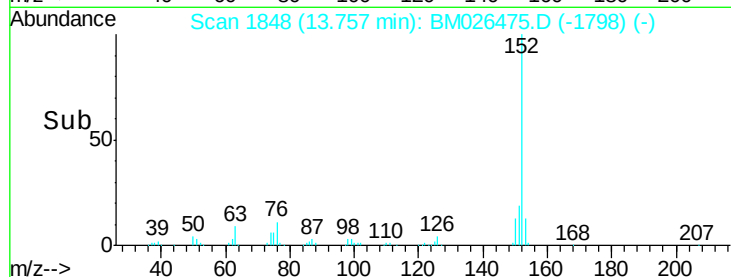
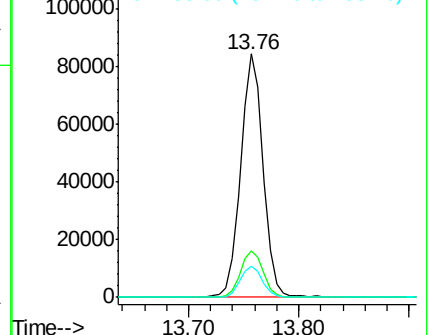
153 12.7 10.1 15.1



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: 4.954 ng

RT: 13.52 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

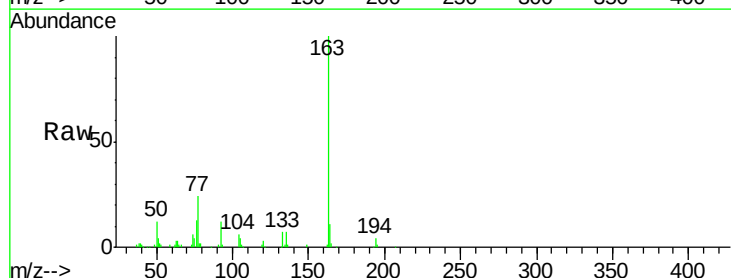
Tgt Ion:163 Resp: 100045

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

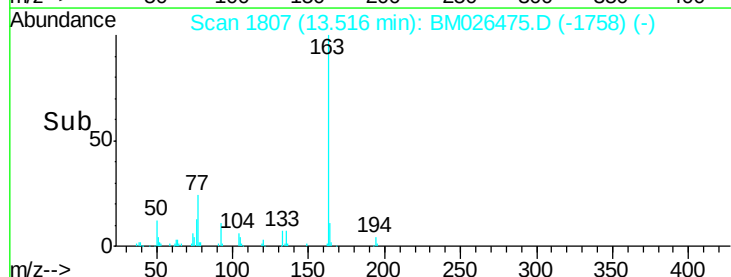
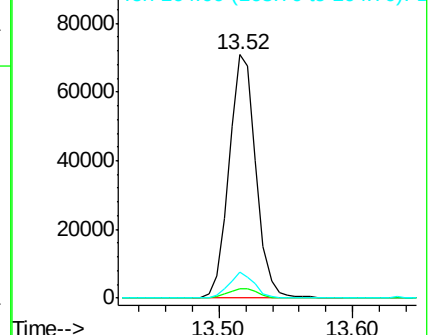
164 10.5 7.8 11.8

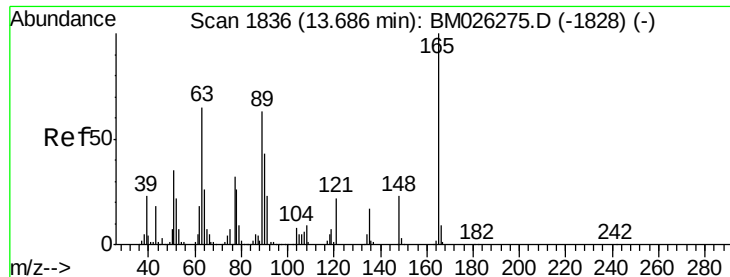


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

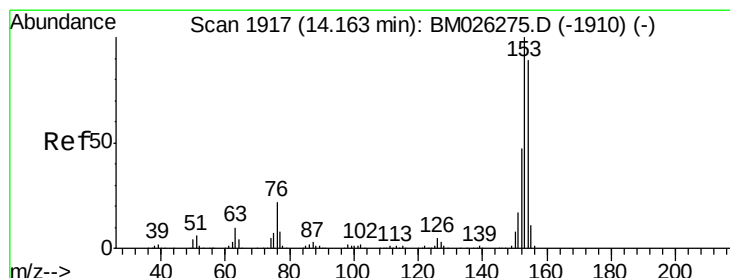
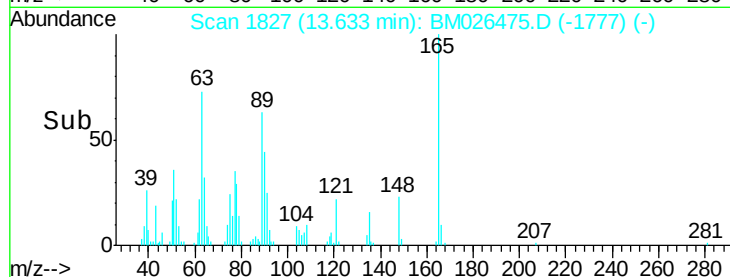
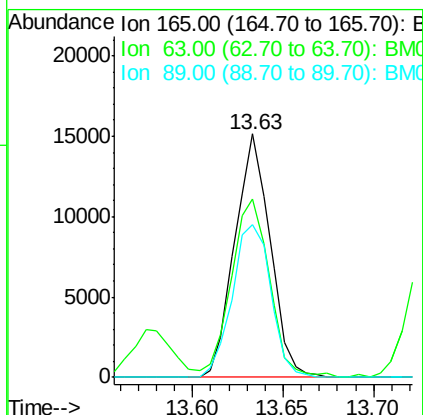
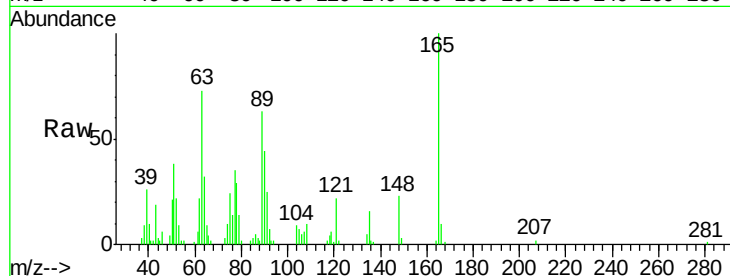




#51
2,6-Dinitrotoluene
Concen: 4.644 ng
RT: 13.63 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

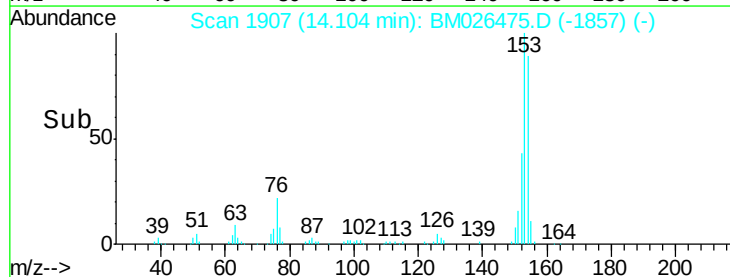
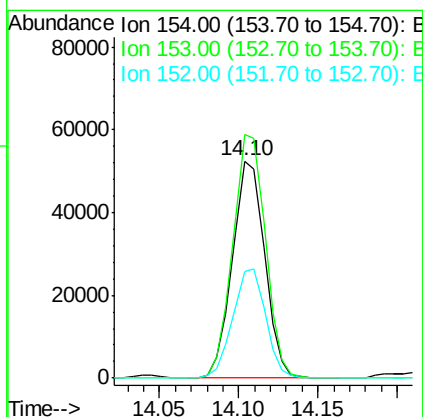
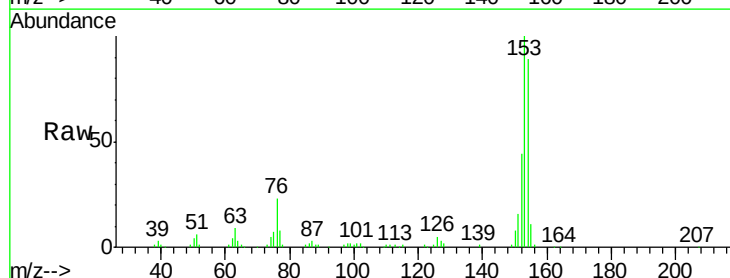
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

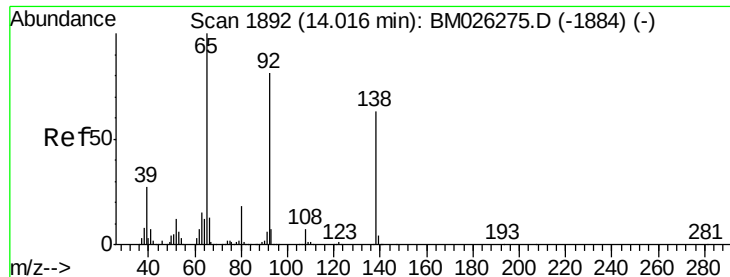
Tot Ion:165 Resp: 20581
Ion Ratio Lower Upper
165 100
63 73.3 54.3 81.5
89 63.0 51.5 77.3



#52
Acenaphthene
Concen: 4.903 ng
RT: 14.10 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion:154 Resp: 74016
Ion Ratio Lower Upper
154 100
153 112.2 88.6 132.8
152 49.2 42.0 63.0

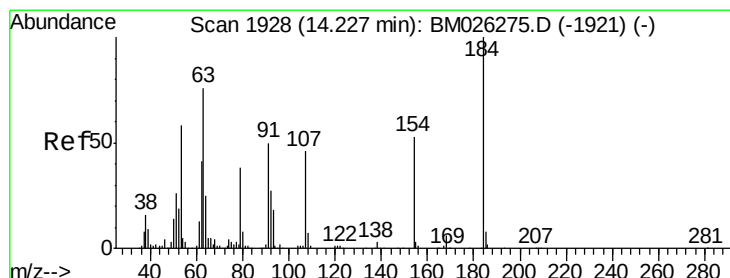
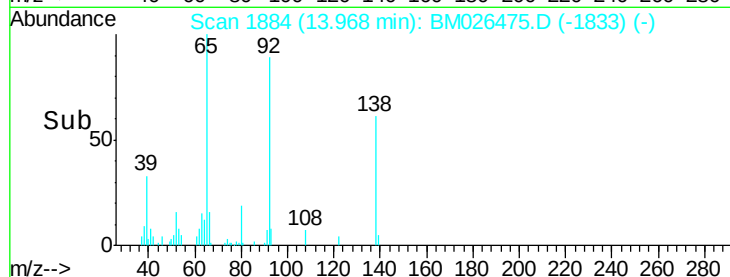
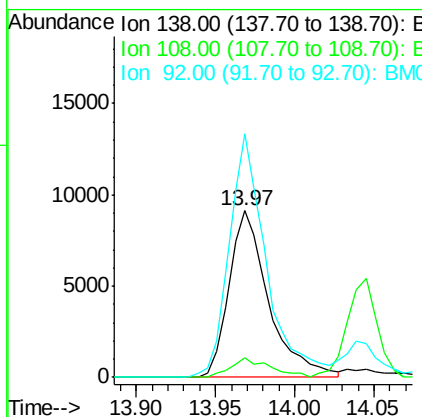
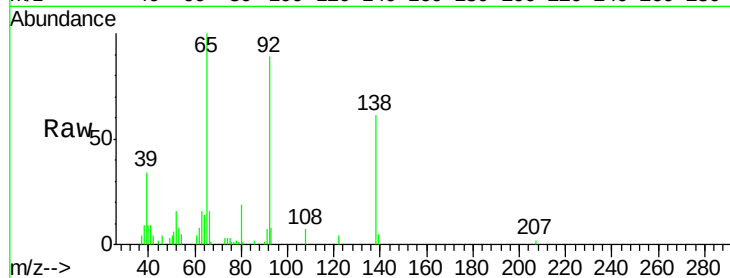




#53
3-Nitroaniline
Concen: 3.214 ng
RT: 13.97 min Scan# 1884
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

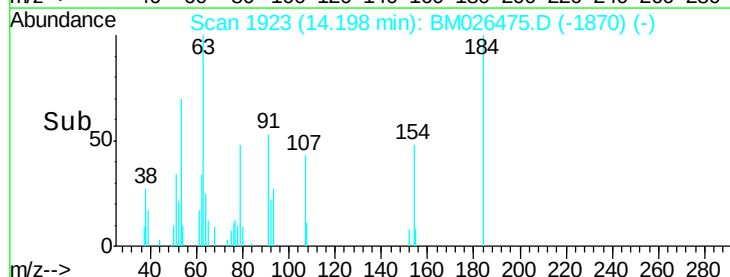
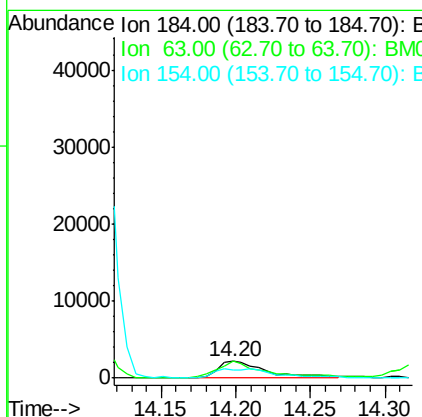
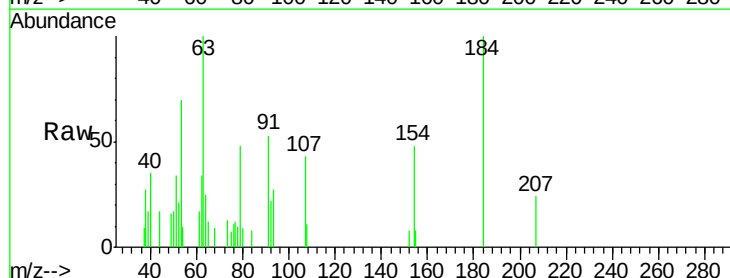
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

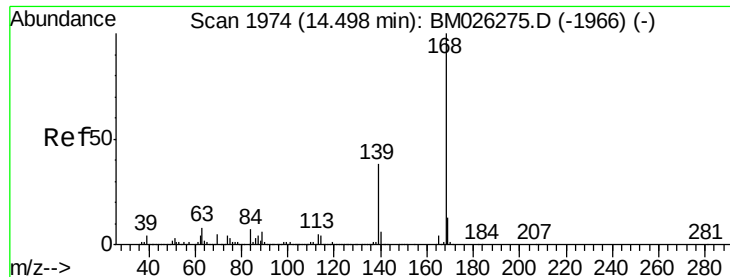
Tot Ion:138 Resp: 15861
Ion Ratio Lower Upper
138 100
108 12.2 9.4 14.0
92 146.2 105.4 158.2



#54
2,4-Dinitrophenol
Concen: 1.866 ng
RT: 14.20 min Scan# 1923
Delta R.T. 0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion:184 Resp: 5025
Ion Ratio Lower Upper
184 100
63 99.8 61.8 92.6#
154 48.0 53.1 79.7#





#55

Dibenzofuran

Concen: 5.081 ng

RT: 14.44 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

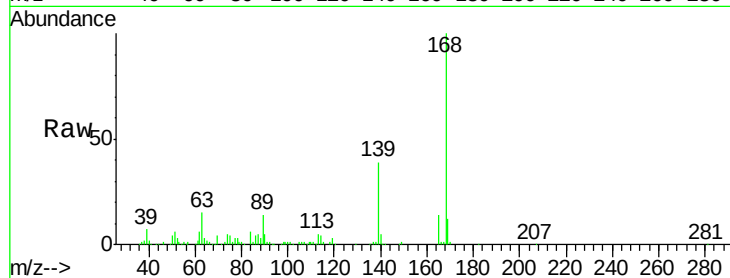
Tot Ion:168 Resp: 123592

Ion Ratio Lower Upper

168 100

139 39.3 31.4 47.0

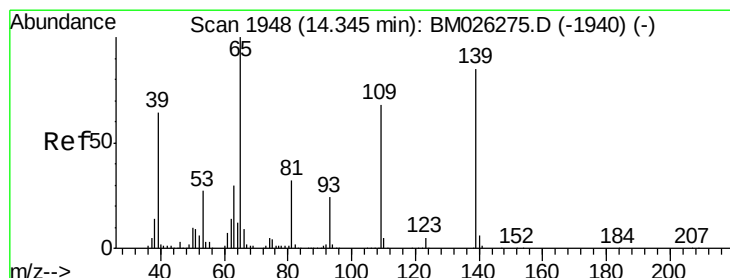
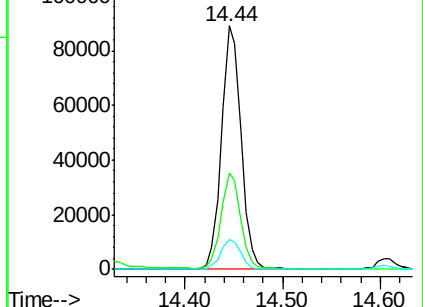
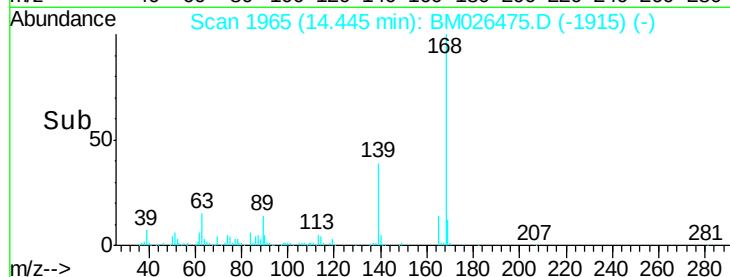
169 12.2 10.7 16.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 2.279 ng

RT: 14.32 min Scan# 1944

Delta R.T. 0.02 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

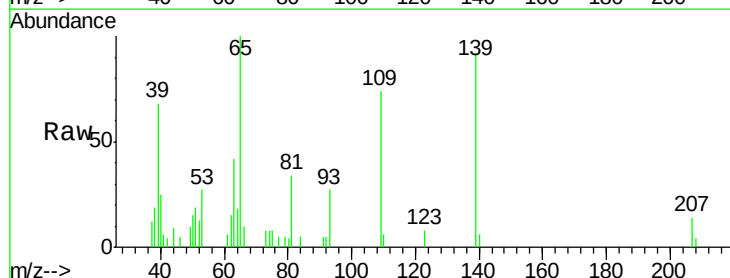
Tgt Ion:139 Resp: 8917

Ion Ratio Lower Upper

139 100

109 80.2 64.9 104.9

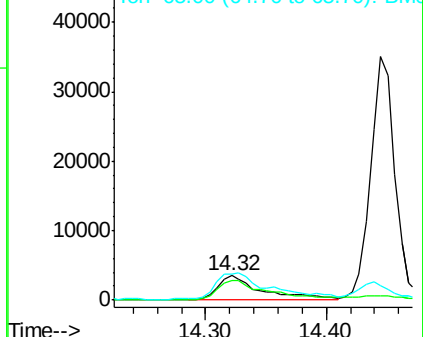
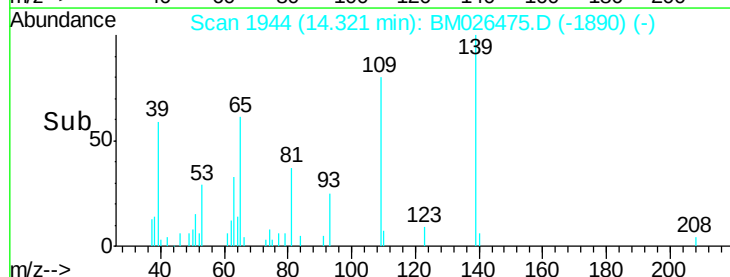
65 108.5 98.1 138.1

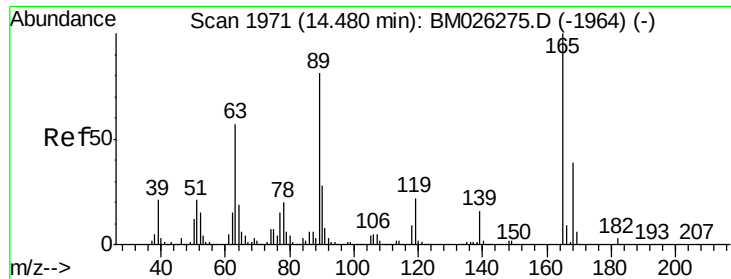


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

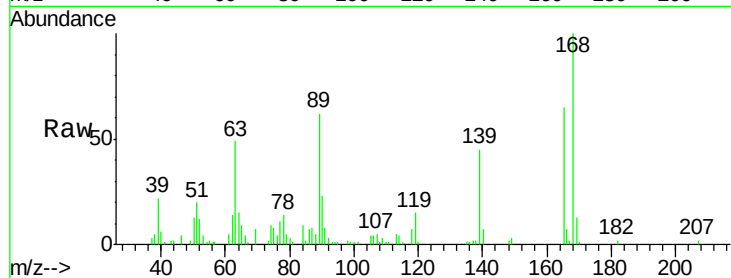




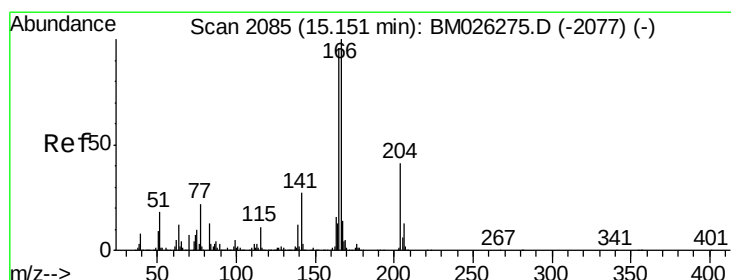
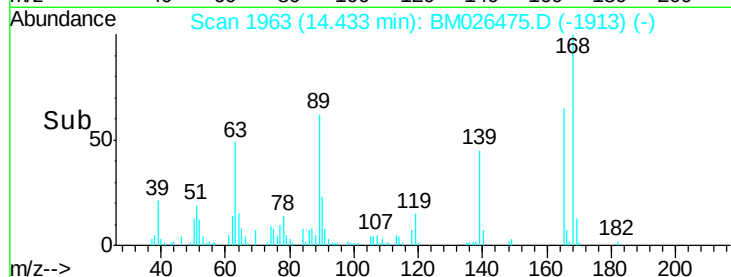
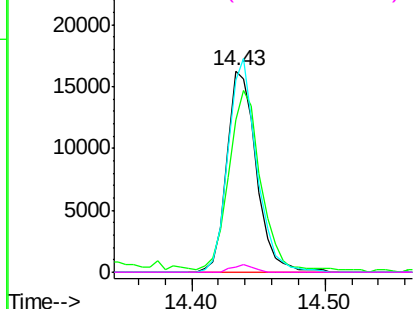
#57
2,4-Dinitrotoluene
Concen: 4.107 ng
RT: 14.43 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:165 Resp: 25302
Ion Ratio Lower Upper
165 100
63 75.9 48.1 72.1#
89 95.5 65.6 98.4
182 2.7 2.7 4.1

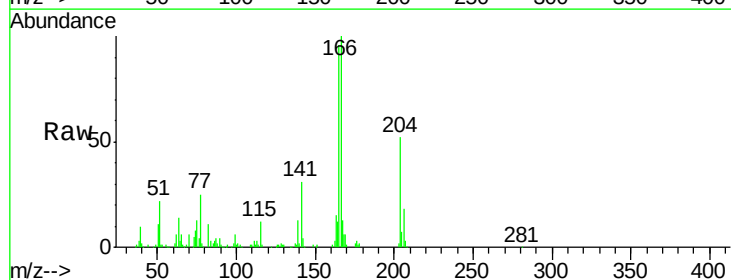


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 89.00 (88.70 to 89.70): BM0
Ion 182.00 (181.70 to 182.70): E

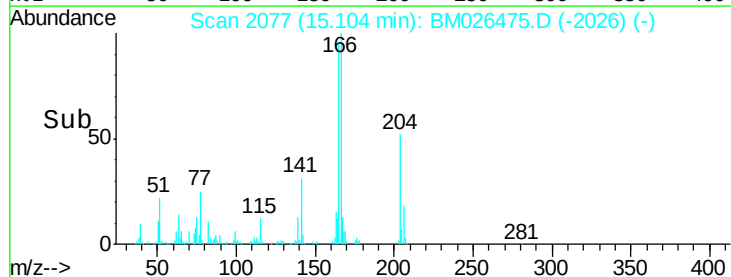
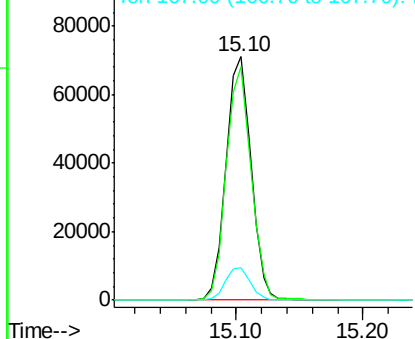


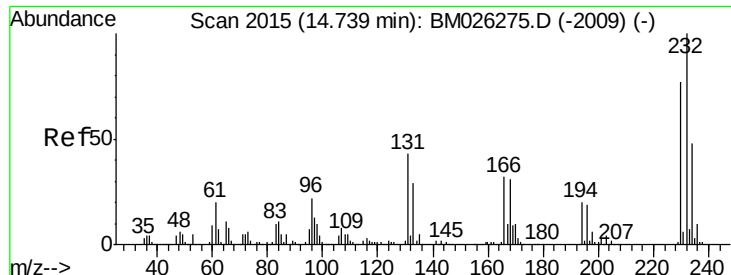
#58
Fluorene
Concen: 4.918 ng
RT: 15.10 min Scan# 2077
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion:166 Resp: 97167
Ion Ratio Lower Upper
166 100
165 96.0 77.5 116.3
167 13.1 10.9 16.3



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

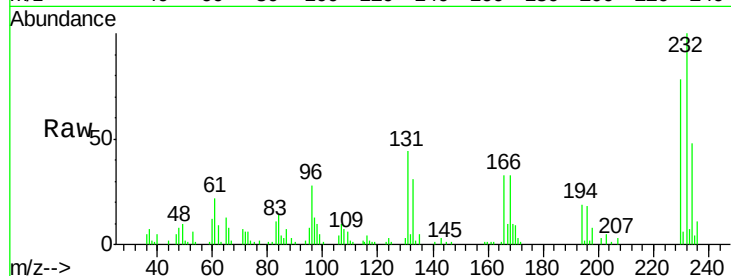




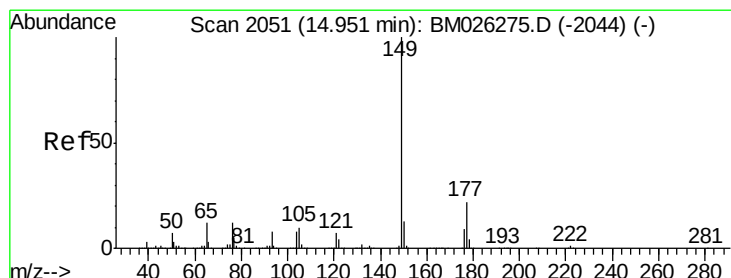
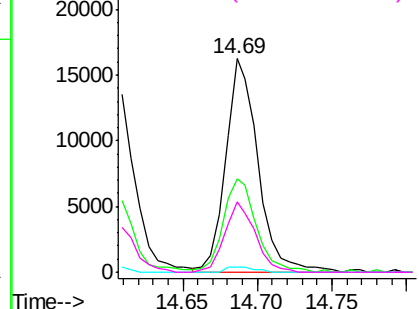
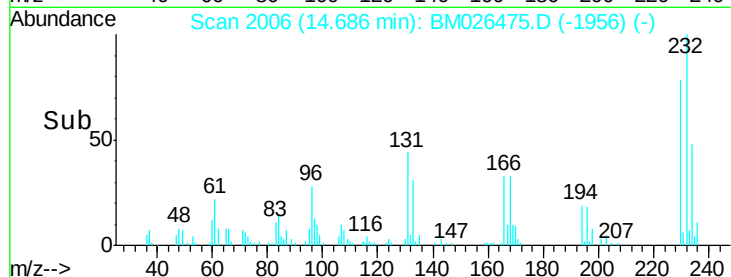
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.676 ng
 RT: 14.69 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BM026475.D
 Acq: 19 Jun 2020 20:53

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	232	Resp:	24696
Ion	Ratio	Lower	Upper
232	100		
131	45.1	36.4	54.6
130	2.3	2.0	3.0
166	31.1	24.8	37.2

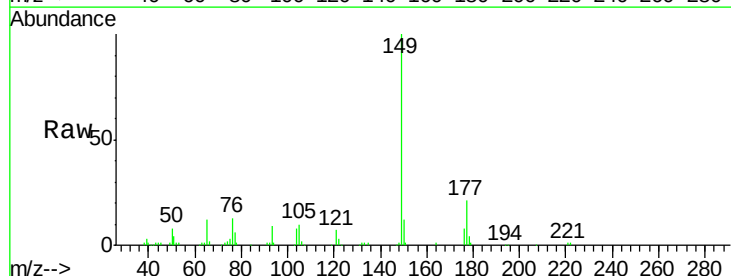


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

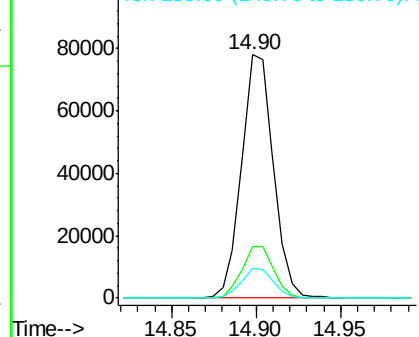
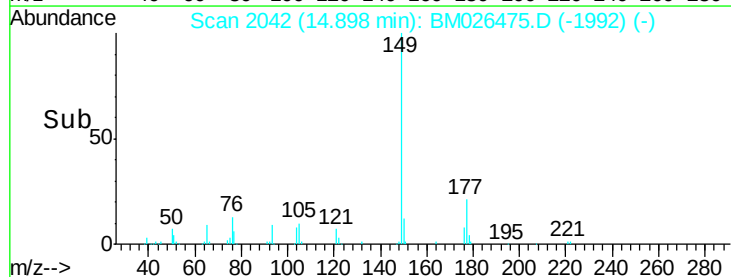


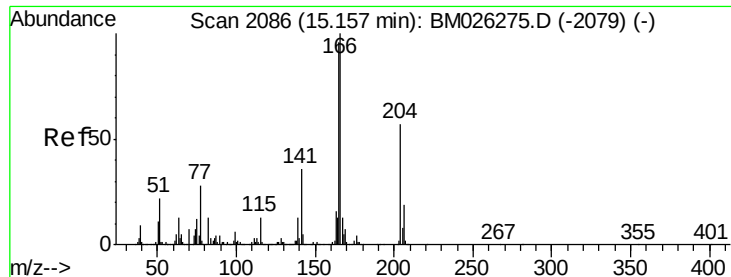
#60
 Diethylphthalate
 Concen: 4.986 ng
 RT: 14.90 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BM026475.D
 Acq: 19 Jun 2020 20:53

Tgt Ion:	149	Resp:	102554
Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.6	26.4
150	12.4	9.9	14.9



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

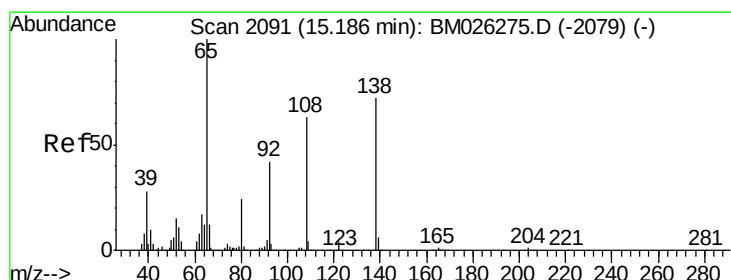
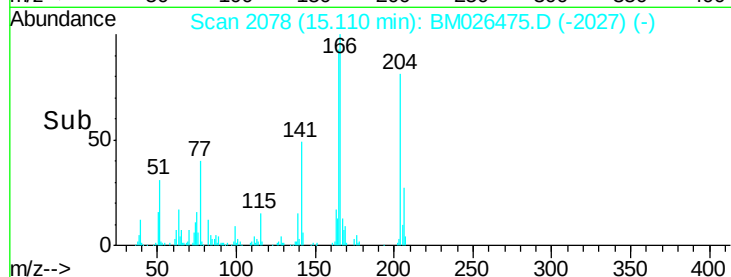
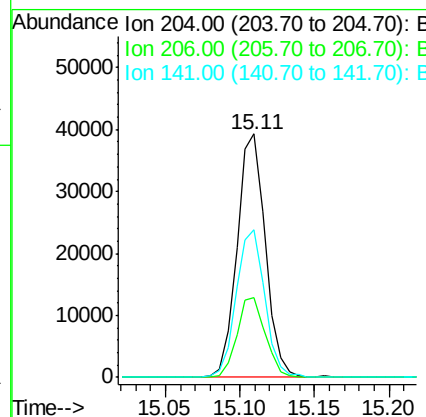
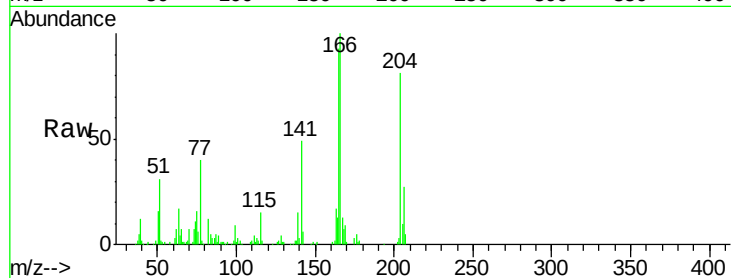




#61
4-Chlorophenyl-phenylether
Concen: 4.971 ng
RT: 15.11 min Scan# 2078
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

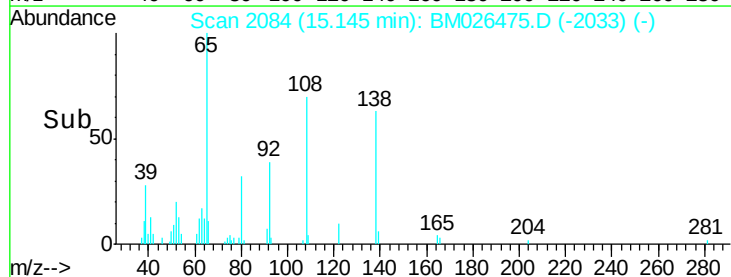
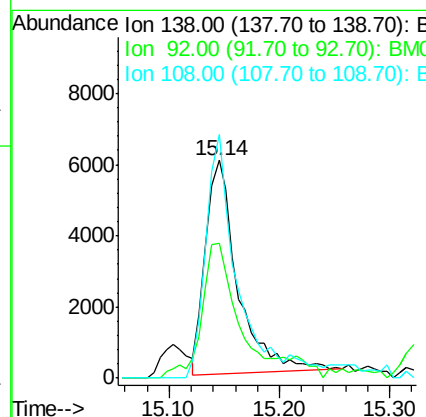
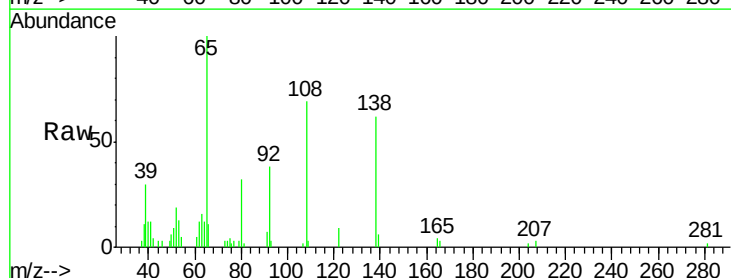
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

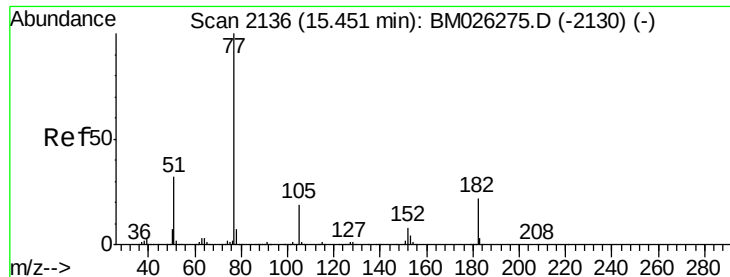
Tot Ion:204 Resp: 52090
Ion Ratio Lower Upper
204 100
206 32.8 26.6 40.0
141 60.5 49.4 74.2



#62
4-Nitroaniline
Concen: 2.289 ng
RT: 15.14 min Scan# 2084
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion:138 Resp: 12048
Ion Ratio Lower Upper
138 100
92 62.1 37.5 77.5
108 111.7 66.3 106.3#

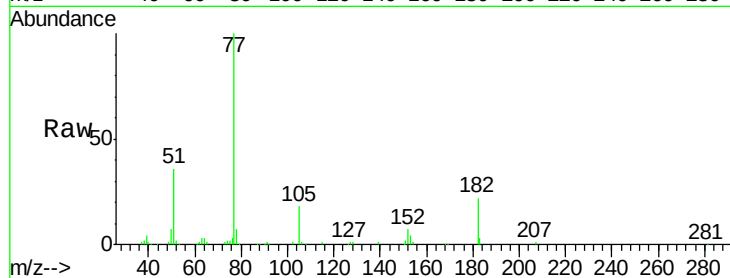




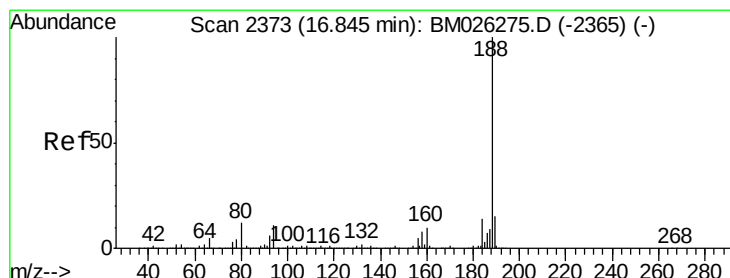
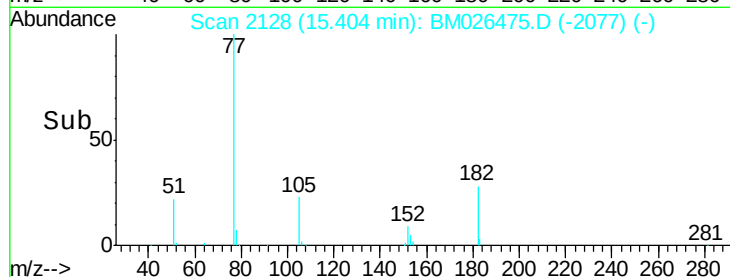
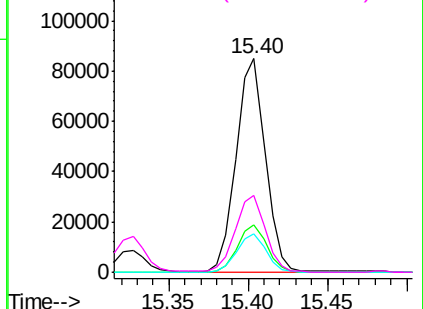
#63
Azobenzene
Concen: 4.832 ng
RT: 15.40 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 77 Resp: 108752
Ion Ratio Lower Upper
77 100
182 22.1 2.1 42.1
105 18.0 0.0 38.3
51 36.1 13.5 53.5

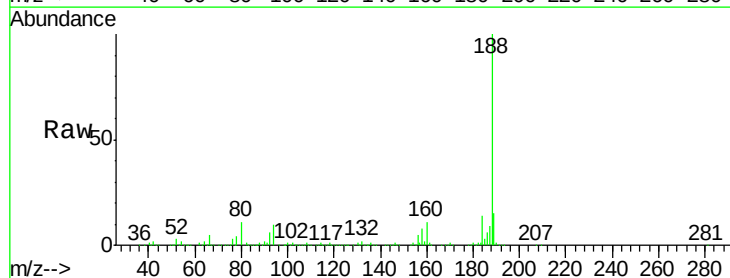


Abundance Ion 77.00 (76.70 to 77.70): BM026475.D (-2130) (-)
Ion 182.00 (181.70 to 182.70): BM026475.D (-2130) (-)
Ion 105.00 (104.70 to 105.70): BM026475.D (-2130) (-)
Ion 51.00 (50.70 to 51.70): BM026475.D (-2130) (-)

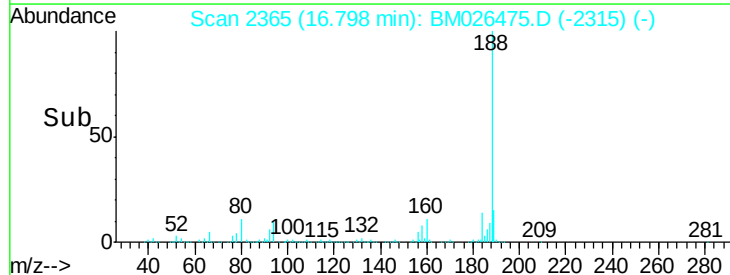
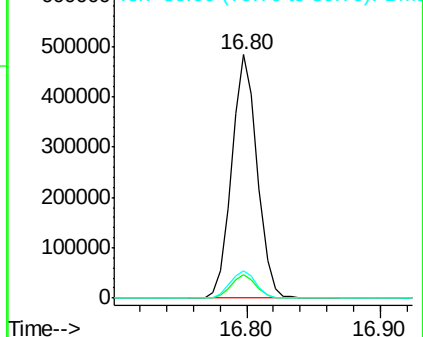


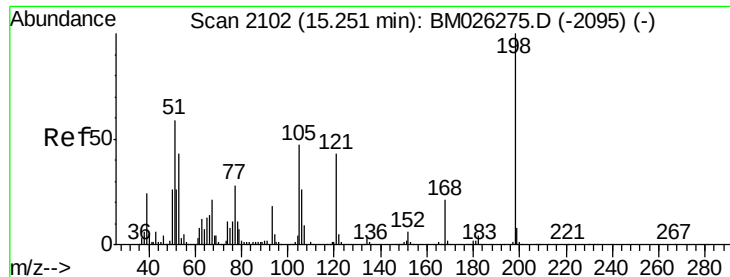
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.80 min Scan# 2365
Delta R.T. -0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion: 188 Resp: 644669
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.6
80 11.3 9.5 14.3



Abundance Ion 188.00 (187.70 to 188.70): BM026475.D (-2365) (-)
Ion 94.00 (93.70 to 94.70): BM026475.D (-2365) (-)
Ion 80.00 (79.70 to 80.70): BM026475.D (-2365) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 3.058 ng

RT: 15.22 min Scan# 2096

Delta R.T. 0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

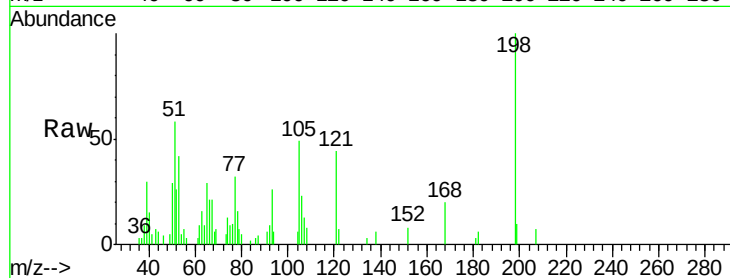
Tot Ion:198 Resp: 11988

Ion Ratio Lower Upper

198 100

51 57.7 35.6 75.6

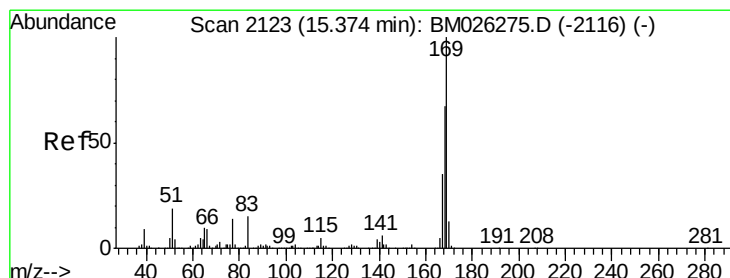
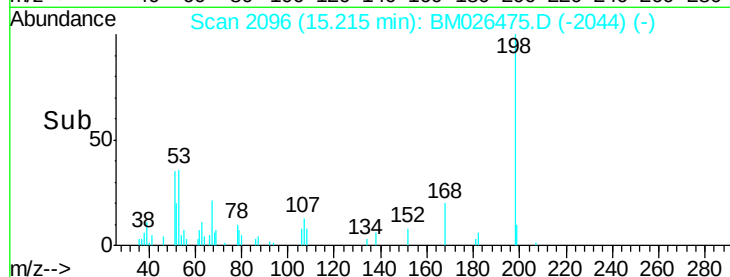
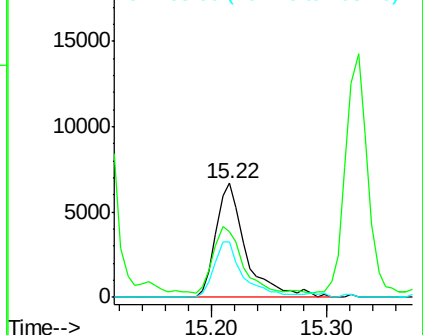
105 49.1 24.3 64.3



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 4.541 ng

RT: 15.33 min Scan# 2115

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

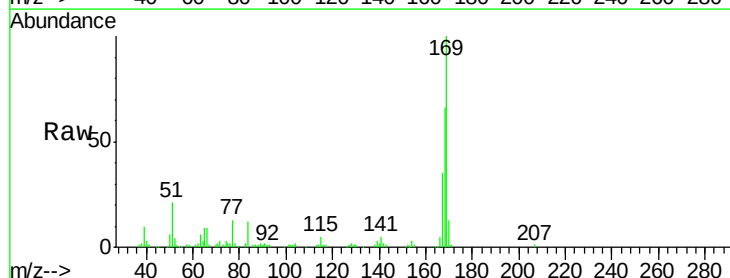
Tgt Ion:169 Resp: 84807

Ion Ratio Lower Upper

169 100

168 66.4 51.6 77.4

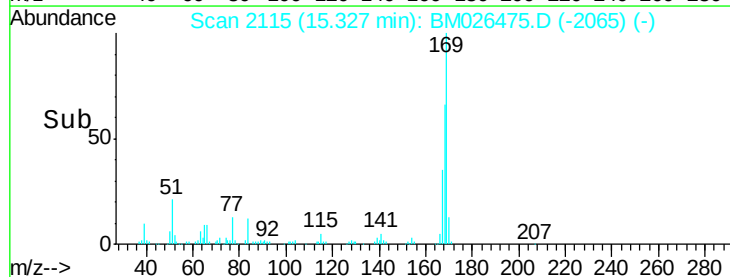
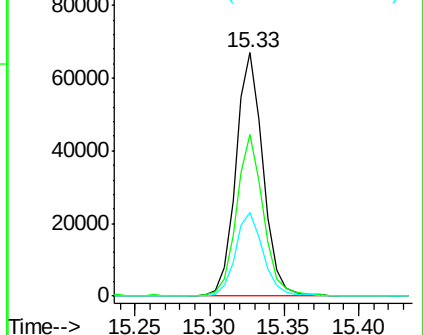
167 34.6 28.2 42.4

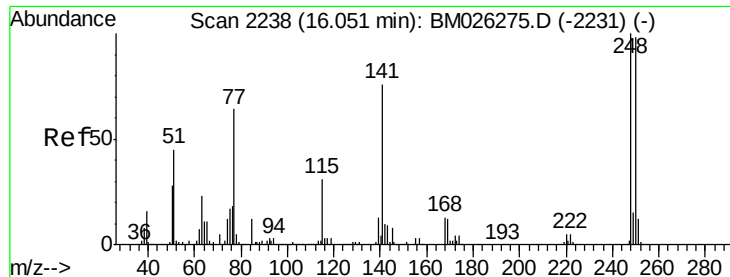


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

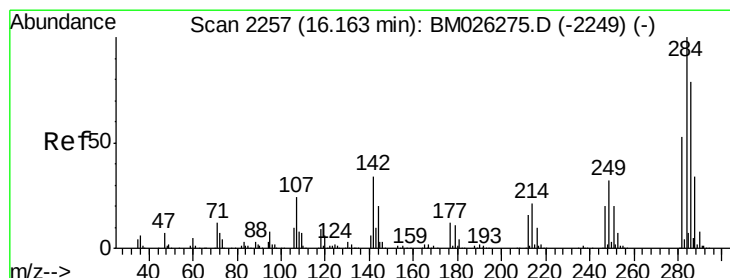
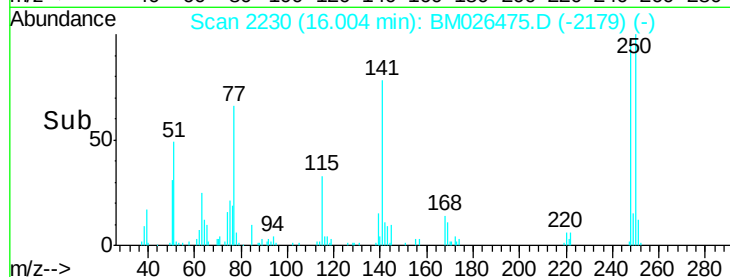
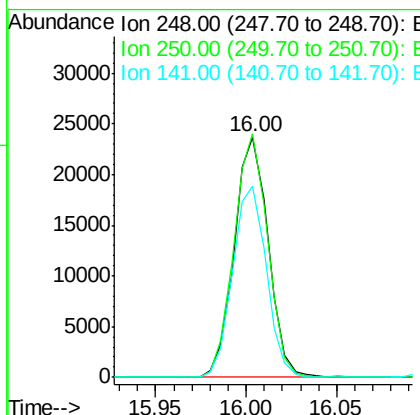
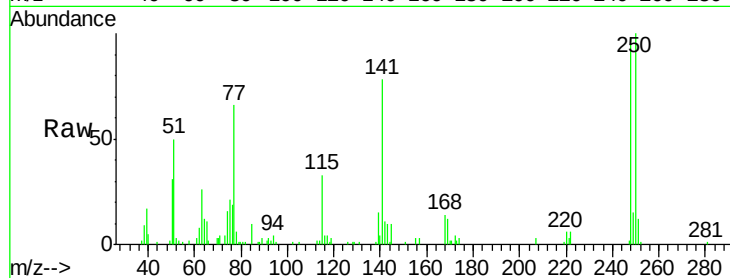




#67
4-Bromophenyl-phenylether
Concen: 4.328 ng
RT: 16.00 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

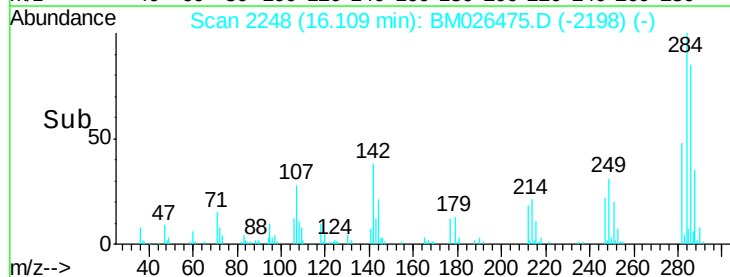
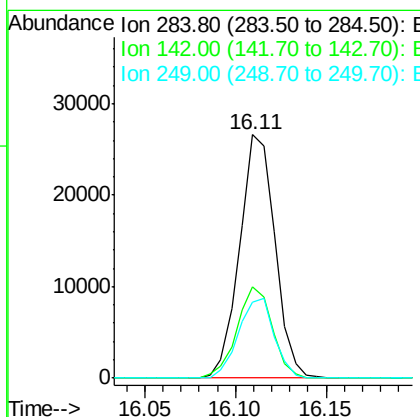
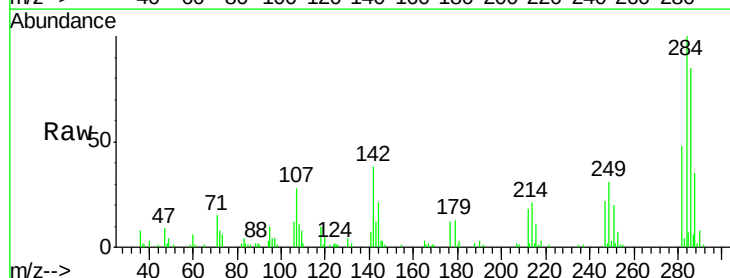
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

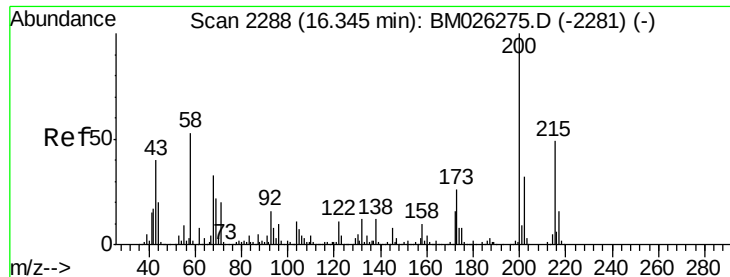
Tot Ion:248 Resp: 30713
Ion Ratio Lower Upper
248 100
250 101.6 78.4 117.6
141 79.7 60.6 91.0



#68
Hexachlorobenzene
Concen: 4.875 ng
RT: 16.11 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion:284 Resp: 36104
Ion Ratio Lower Upper
284 100
142 37.7 29.1 43.7
249 31.0 27.2 40.8

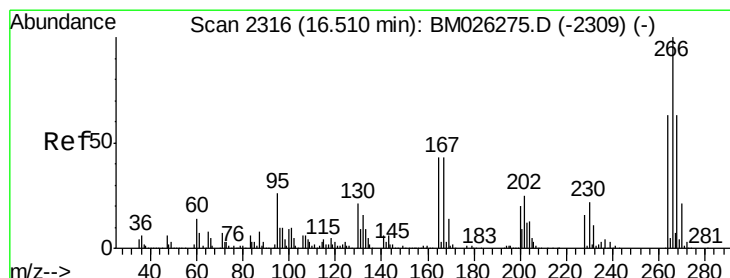
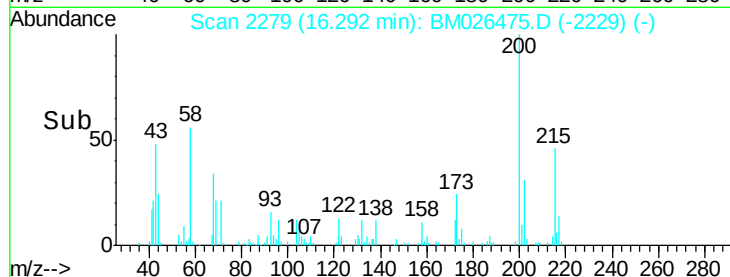
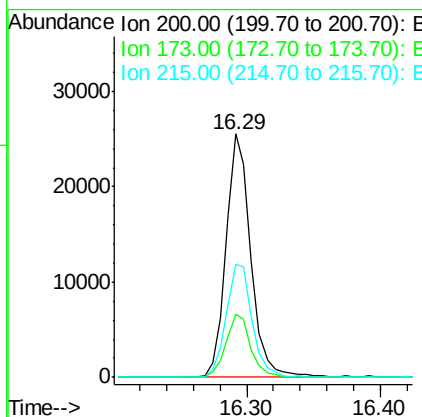
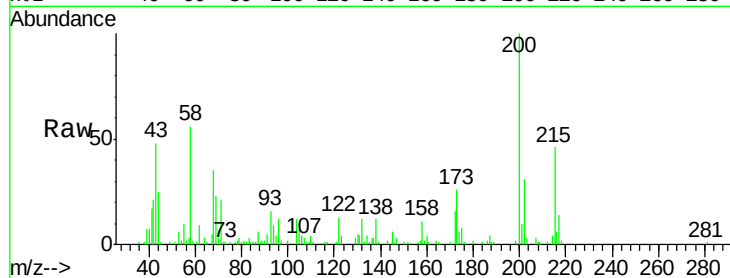




#69
 Atrazine
 Concen: 5.957 ng
 RT: 16.29 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: BM026475.D
 Acq: 19 Jun 2020 20:53

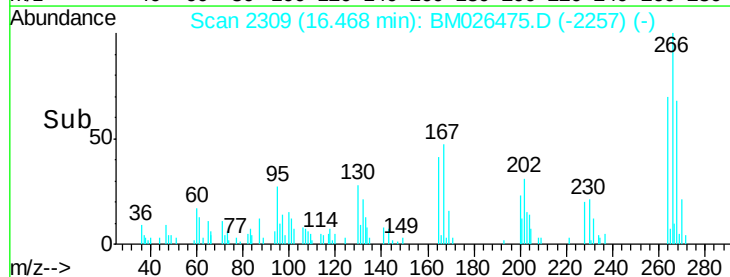
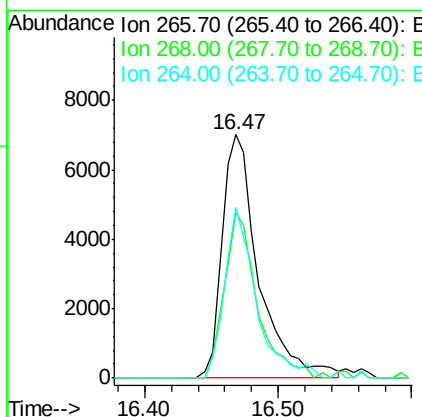
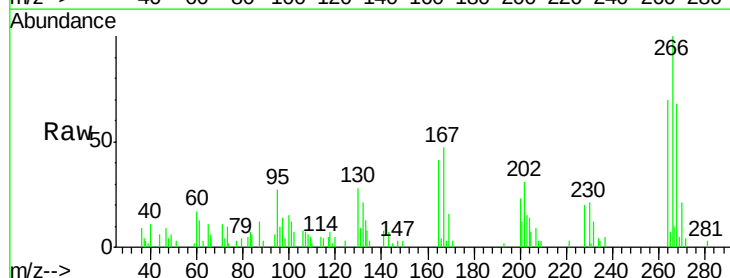
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

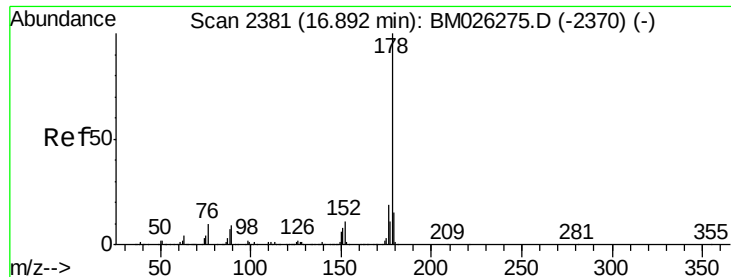
Tot Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.6	46.6
215	46.2	29.8	69.8



#70
 Pentachlorophenol
 Concen: 2.999 ng
 RT: 16.47 min Scan# 2309
 Delta R.T. 0.01 min
 Lab File: BM026475.D
 Acq: 19 Jun 2020 20:53

Tgt Ion	Ratio	Lower	Upper
266	100		
268	68.1	50.2	75.4
264	70.1	50.6	75.8

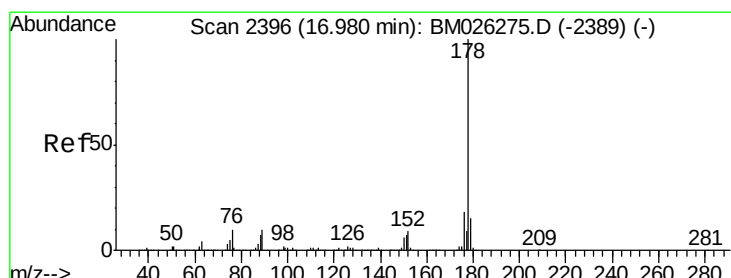
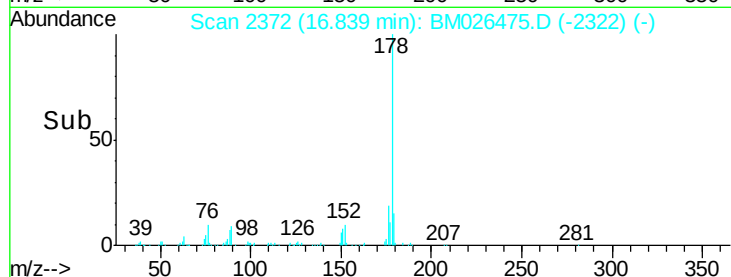
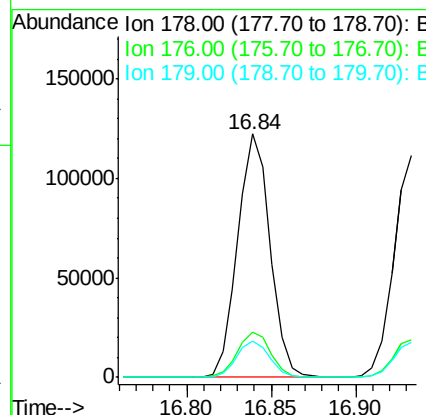
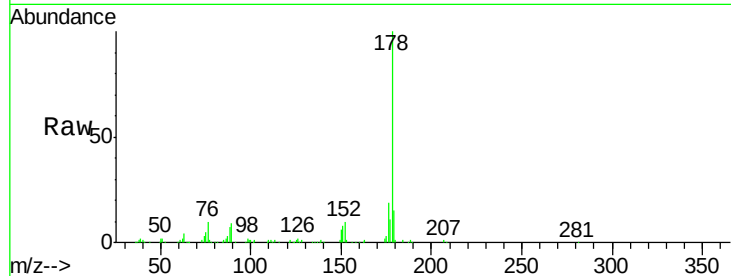




#71
Phenanthrene
Concen: 4.879 ng
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

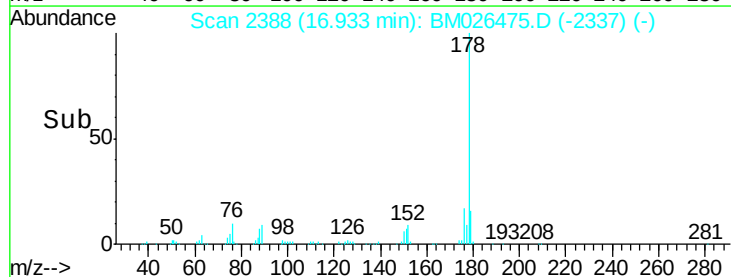
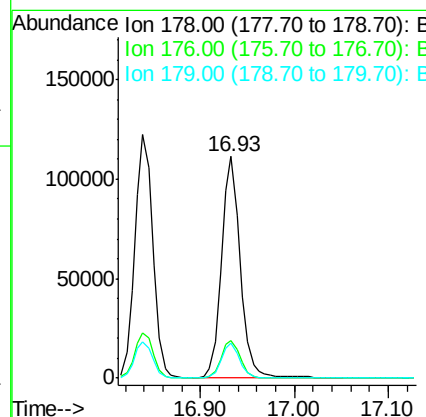
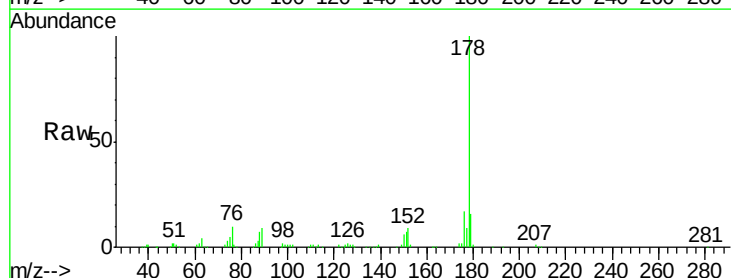
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

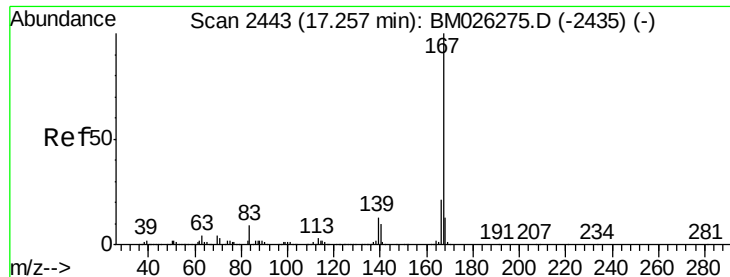
Tot Ion:178 Resp: 163791
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.0 12.3 18.5



#72
Anthracene
Concen: 4.636 ng
RT: 16.93 min Scan# 2388
Delta R.T. 0.00 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion:178 Resp: 155316
Ion Ratio Lower Upper
178 100
176 17.1 14.5 21.7
179 15.8 12.3 18.5

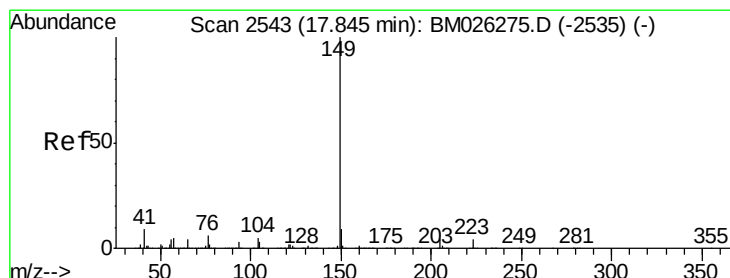
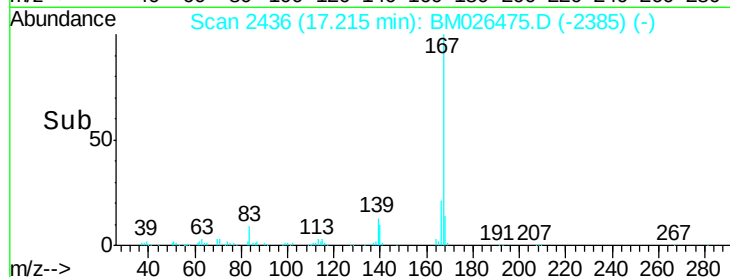
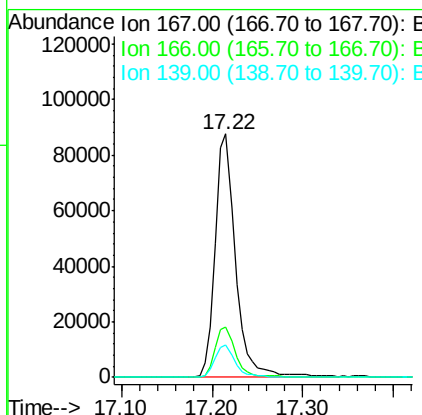
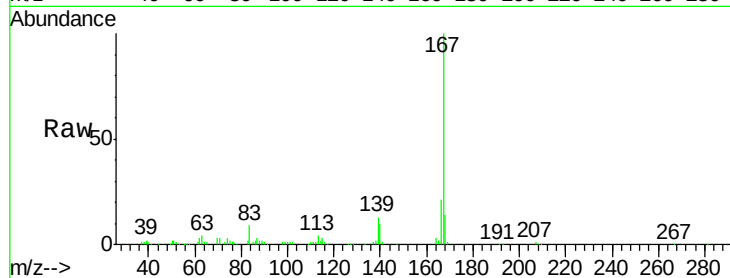




#73
 Carbazole
 Concen: 4.317 ng
 RT: 17.22 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: BM026475.D
 Acq: 19 Jun 2020 20:53

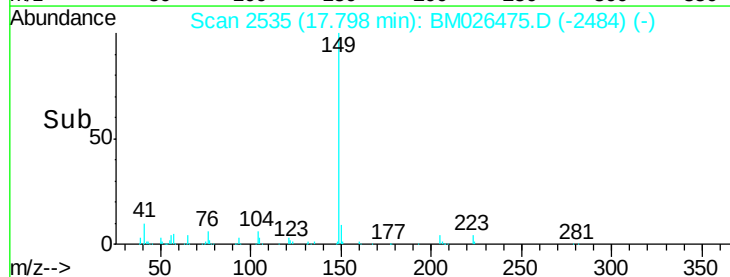
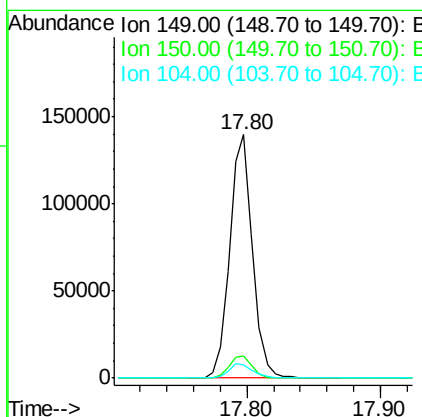
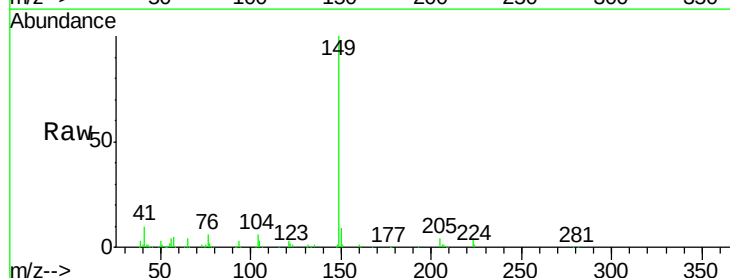
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

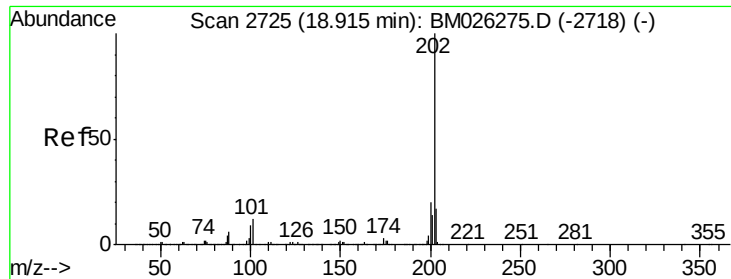
Tot Ion:167 Resp: 137180
 Ion Ratio Lower Upper
 167 100
 166 20.6 16.9 25.3
 139 13.5 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 4.430 ng
 RT: 17.80 min Scan# 2535
 Delta R.T. 0.00 min
 Lab File: BM026475.D
 Acq: 19 Jun 2020 20:53

Tgt Ion:149 Resp: 166002
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.1 10.7
 104 5.6 4.2 6.2





#75

Fluoranthene

Concen: 4.998 ng

RT: 18.87 min Scan# 2717

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

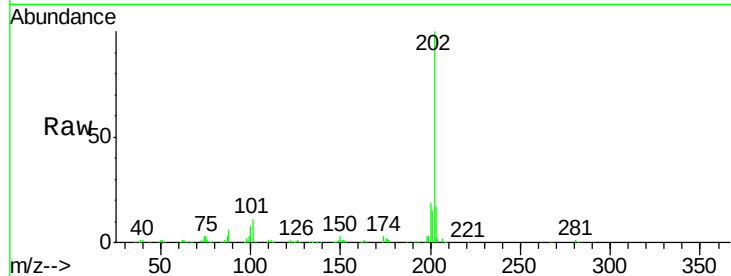
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

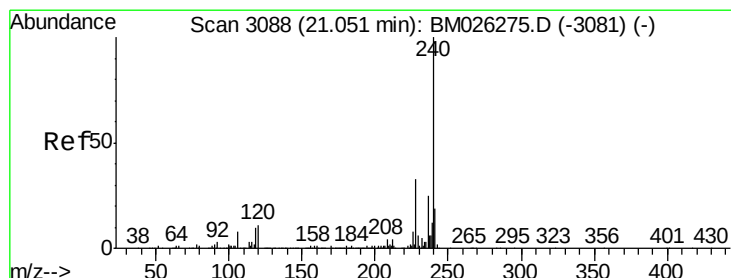
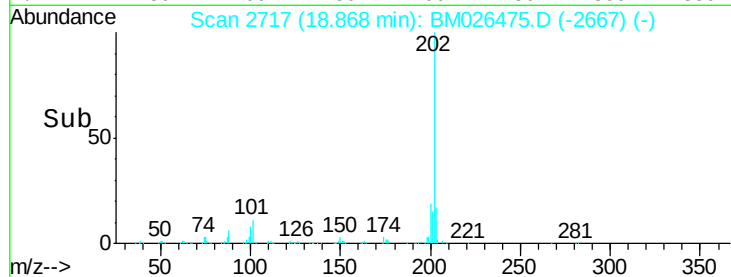
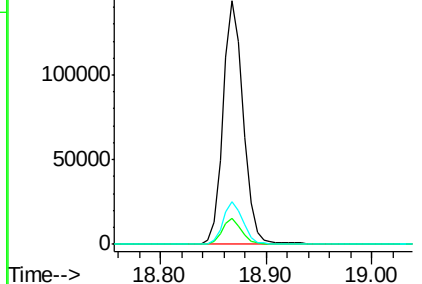
Tot Ion:	202	Resp:	192367
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.9
203	17.3	0.0	37.5



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

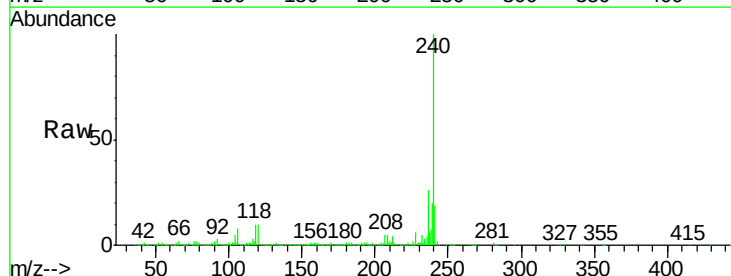
RT: 21.01 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

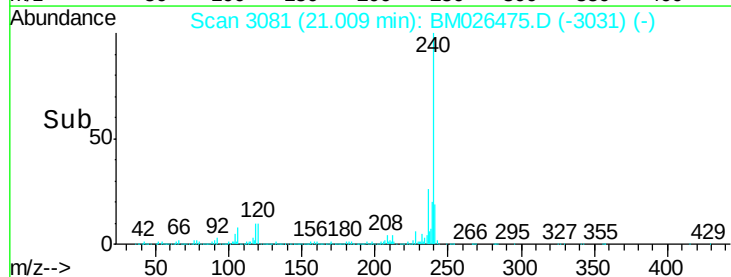
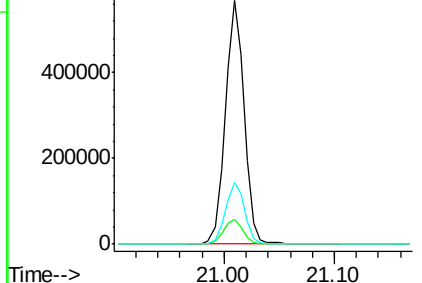
Tgt Ion:	240	Resp:	676946
Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.3	13.9
236	25.6	19.4	29.0

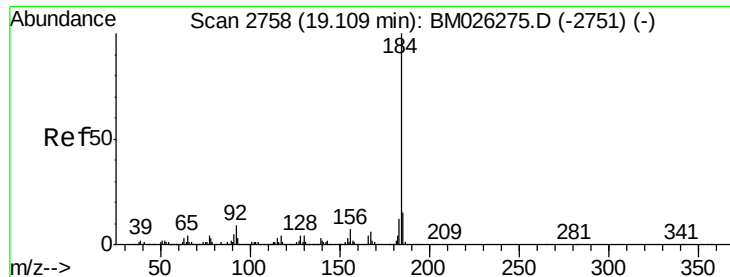


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.627 ng

RT: 19.07 min Scan# 2752

Delta R.T. 0.00 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

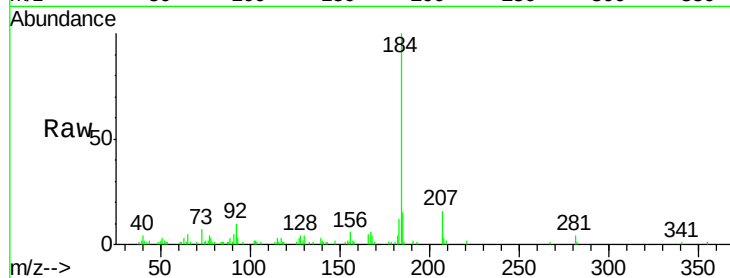
Tot Ion:184 Resp: 51006

Ion Ratio Lower Upper

184 100

185 15.2 11.2 16.8

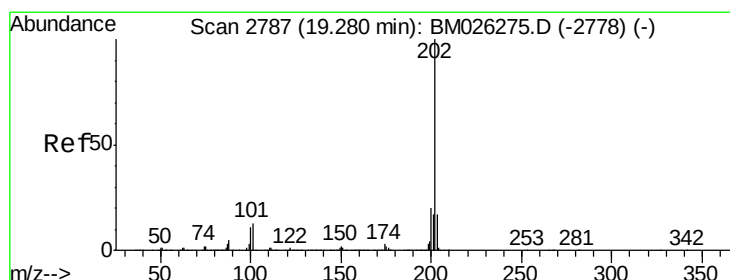
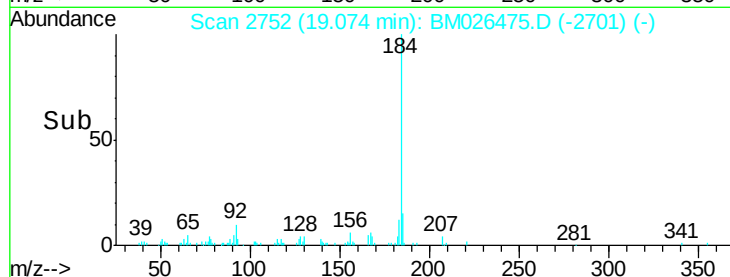
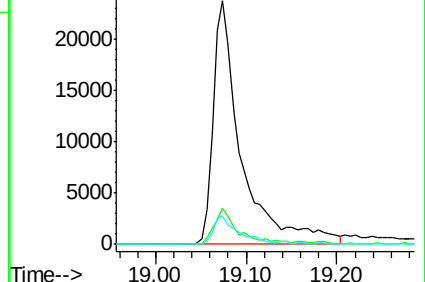
183 12.0 9.4 14.2



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: 4.570 ng

RT: 19.23 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

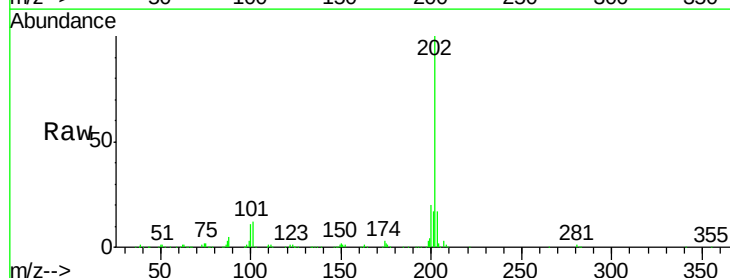
Tgt Ion:202 Resp: 204409

Ion Ratio Lower Upper

202 100

200 19.6 16.3 24.5

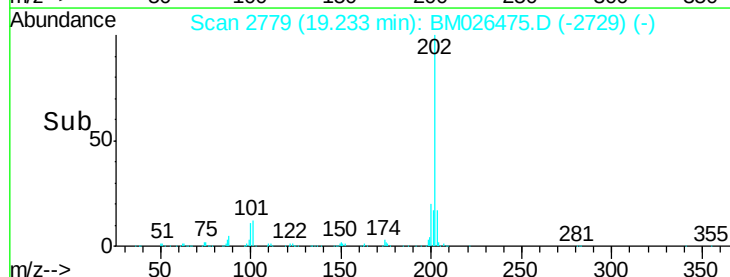
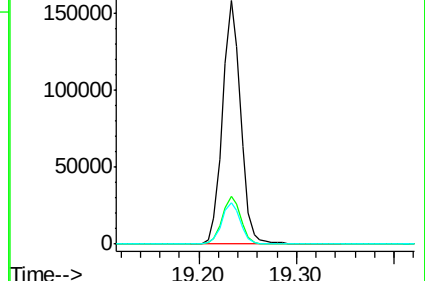
203 17.2 13.8 20.6

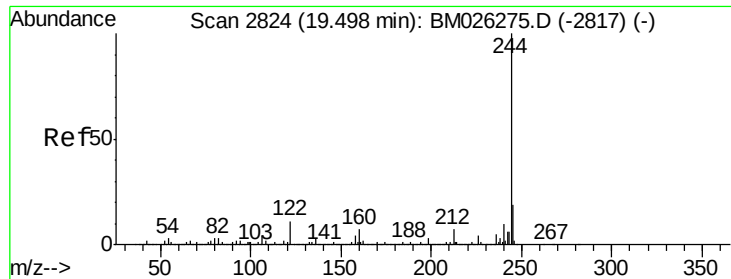


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

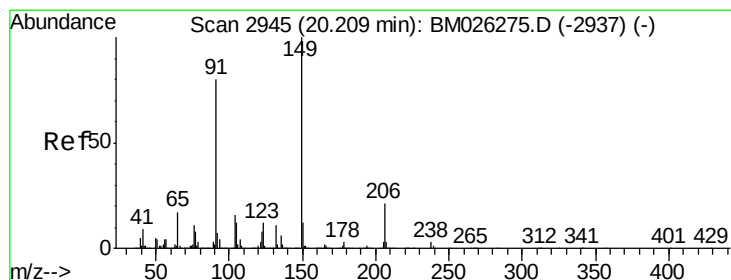
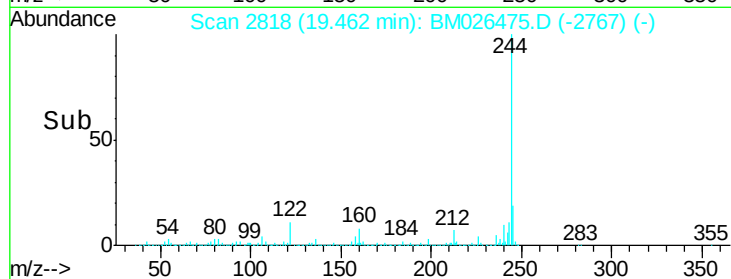
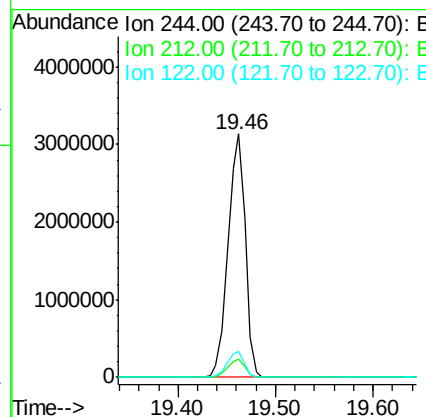
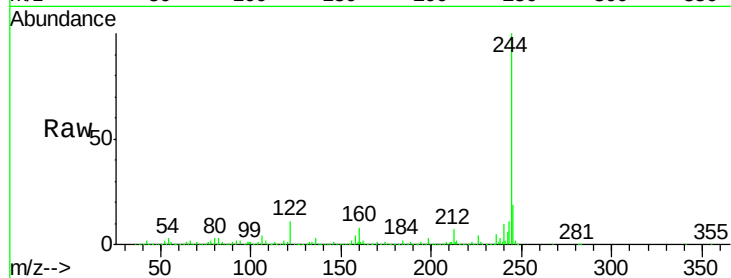




#79
 Terphenyl-d14
 Concen: 109.638 ng
 RT: 19.46 min Scan# 2818
 Delta R.T. 0.00 min
 Lab File: BM026475.D
 Acq: 19 Jun 2020 20:53

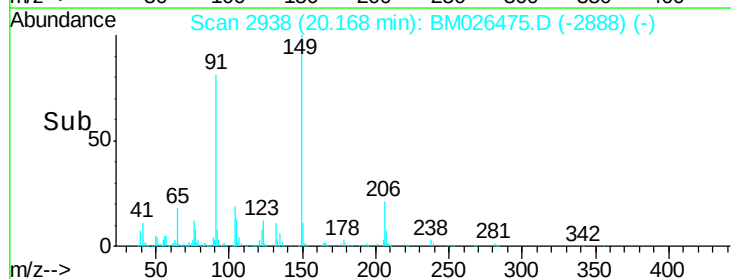
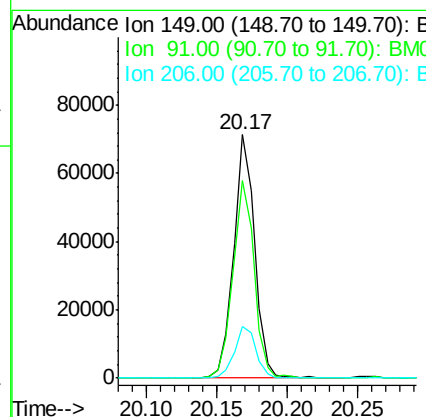
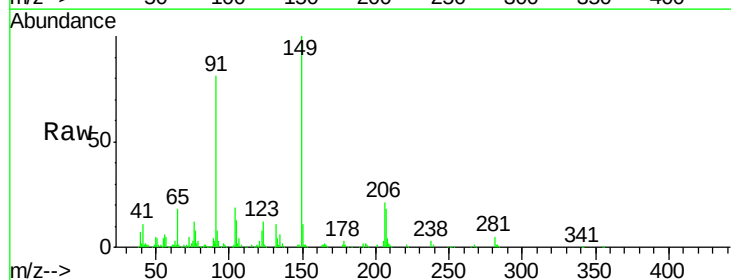
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

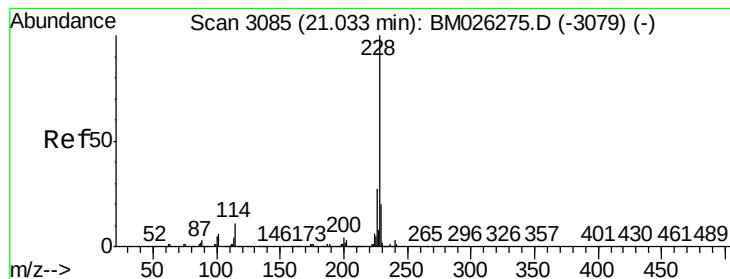
Tot Ion:244 Resp: 3823406
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 10.5 8.6 13.0



#80
 Butylbenzylphthalate
 Concen: 4.102 ng
 RT: 20.17 min Scan# 2938
 Delta R.T. -0.01 min
 Lab File: BM026475.D
 Acq: 19 Jun 2020 20:53

Tgt Ion:149 Resp: 74194
 Ion Ratio Lower Upper
 149 100
 91 81.2 64.6 97.0
 206 21.1 17.6 26.4





#81

Benzo(a)anthracene

Concen: 5.196 ng

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

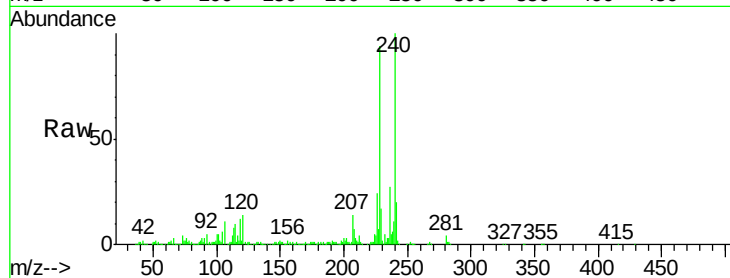
Tot Ion:228 Resp: 211140

Ion Ratio Lower Upper

228 100

226 25.7 21.1 31.7

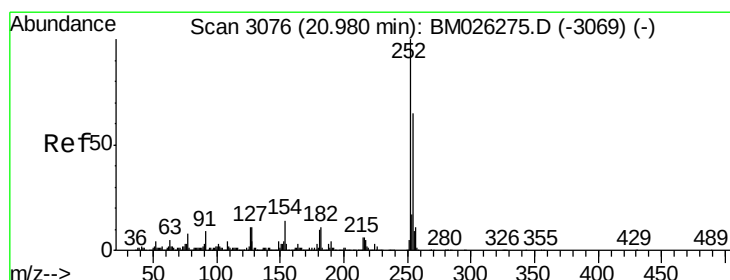
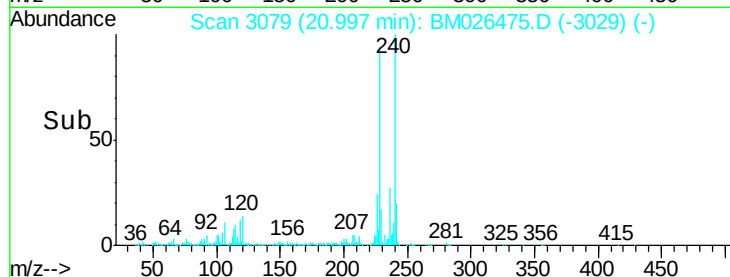
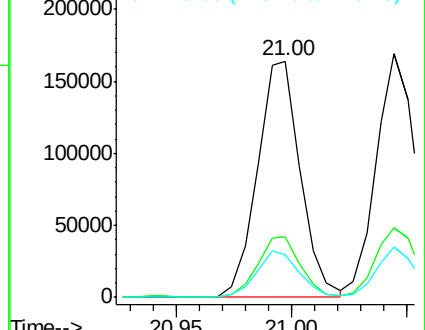
229 18.3 15.7 23.5



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: 5.645 ng

RT: 20.94 min Scan# 3070

Delta R.T. 0.00 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

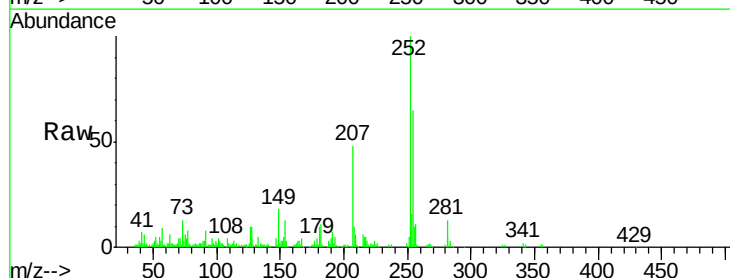
Tgt Ion:252 Resp: 70962

Ion Ratio Lower Upper

252 100

254 64.5 51.0 76.6

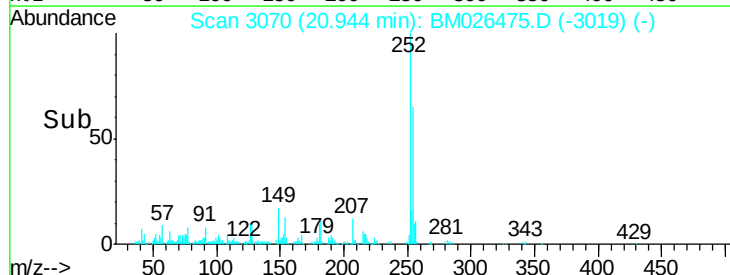
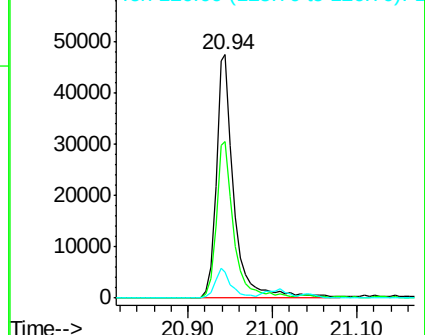
126 10.5 9.2 13.8

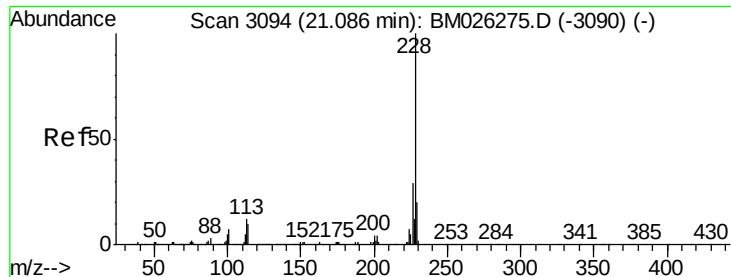


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 5.264 ng

RT: 21.04 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

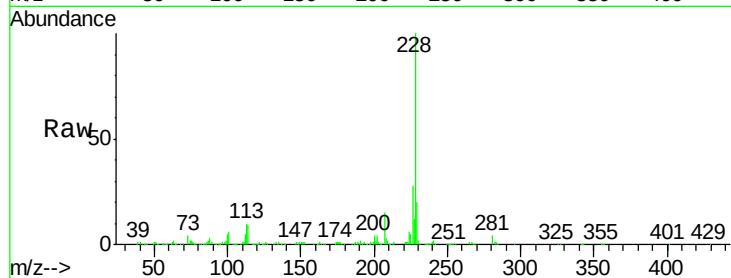
Tot Ion:228 Resp: 203837

Ion Ratio Lower Upper

228 100

226 28.5 23.8 35.6

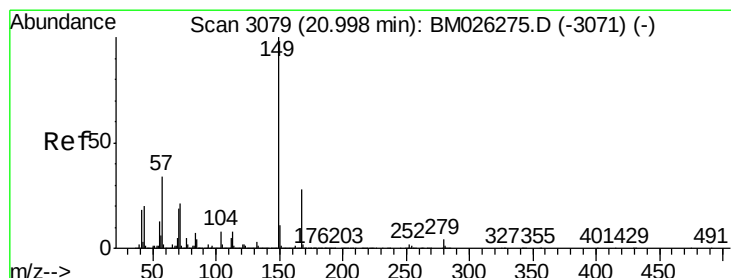
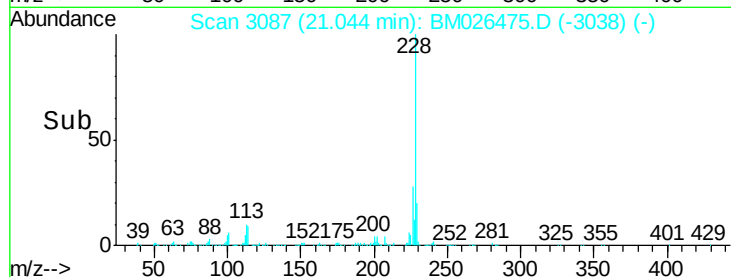
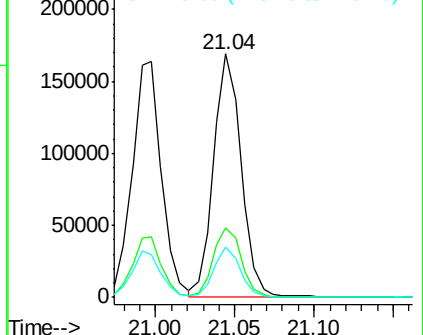
229 20.4 15.5 23.3



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.541 ng

RT: 20.96 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

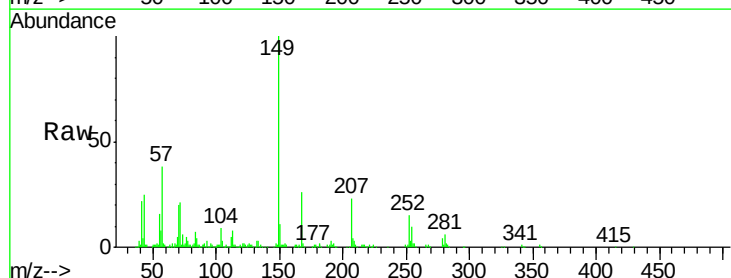
Tgt Ion:149 Resp: 117112

Ion Ratio Lower Upper

149 100

167 26.4 22.0 33.0

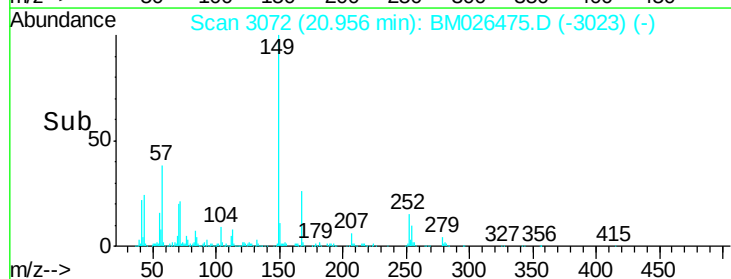
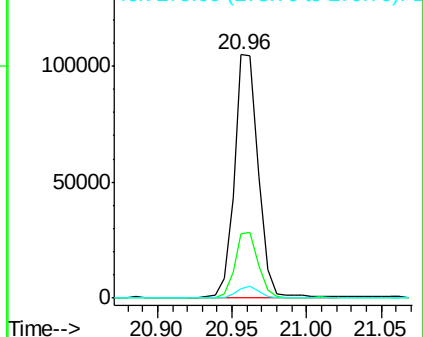
279 4.0 3.7 5.5

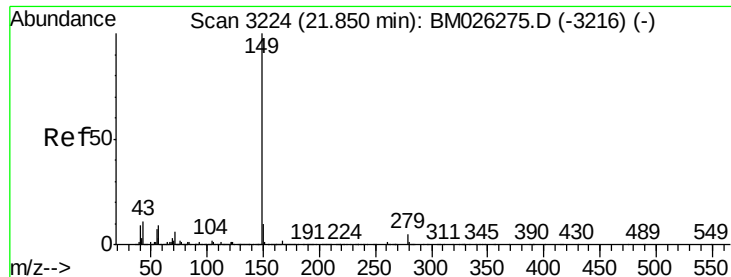


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 4.843 ng

RT: 21.80 min Scan# 3216

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

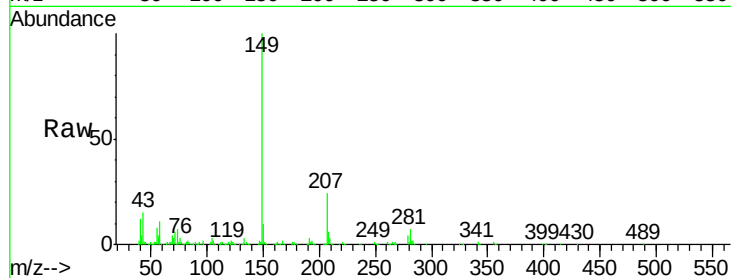
Tot Ion:149 Resp: 192661

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

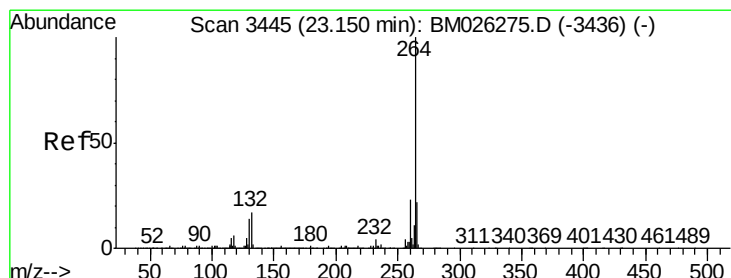
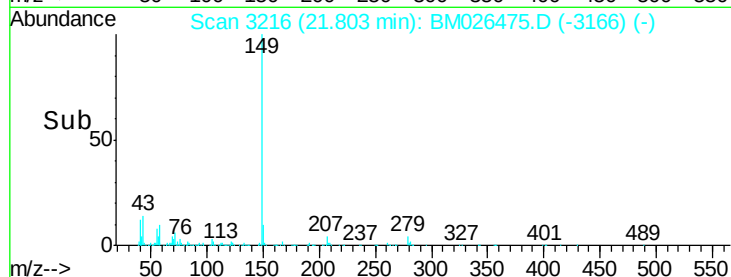
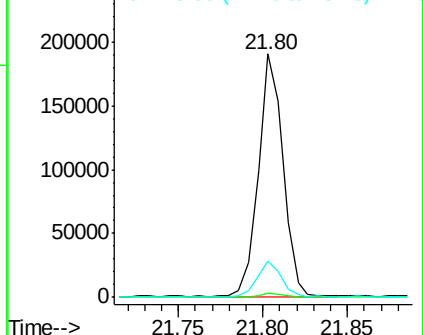
43 14.7 10.3 15.5



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: 23.10 min Scan# 3436

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

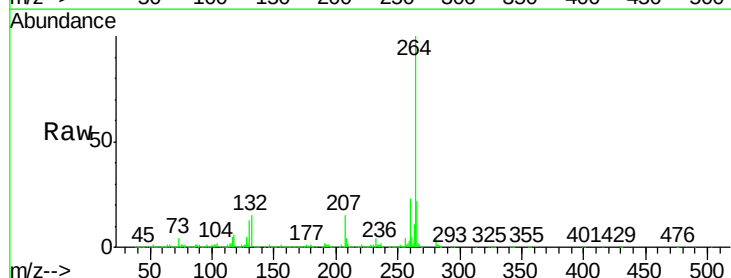
Tgt Ion:264 Resp: 711636

Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

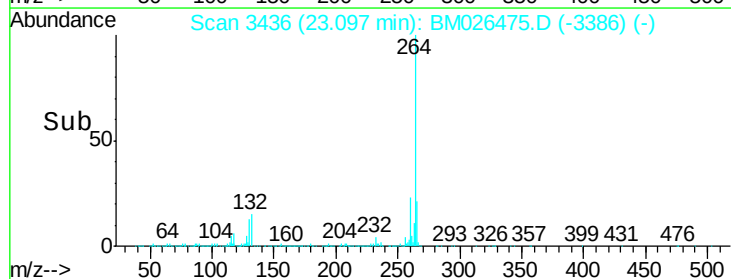
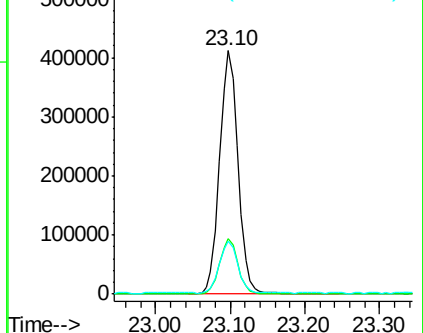
265 21.8 17.8 26.6

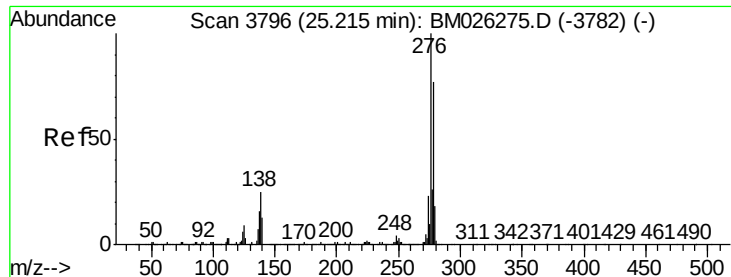


Abundance Ion 264.00 (263.70 to 264.70): E

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: 4.672 ng

RT: 25.13 min Scan# 3781

Delta R.T. -0.02 min

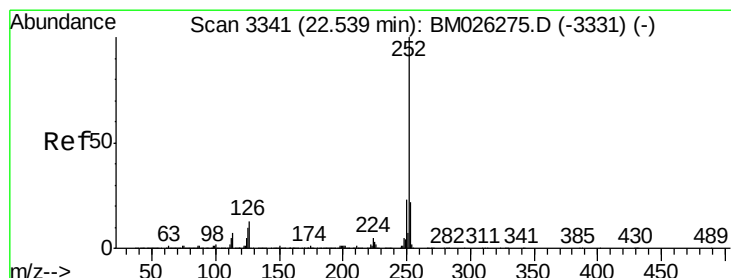
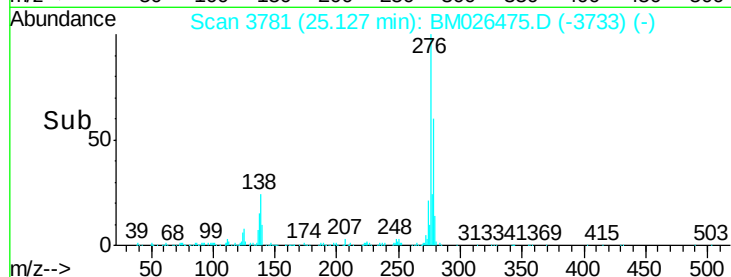
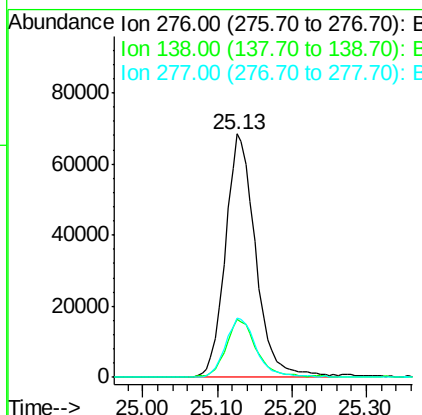
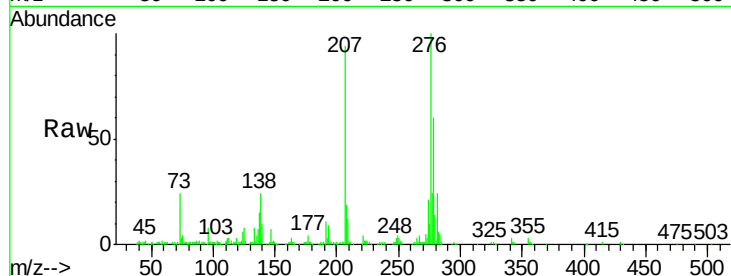
Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:276 Resp: 192333

Ion	Ratio	Lower	Upper
276	100		
138	23.9	19.0	28.6
277	25.0	20.2	30.4



#88

Benzo(b)fluoranthene

Concen: 4.490 ng

RT: 22.49 min Scan# 3332

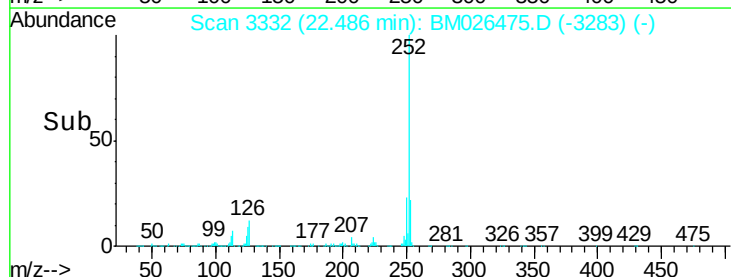
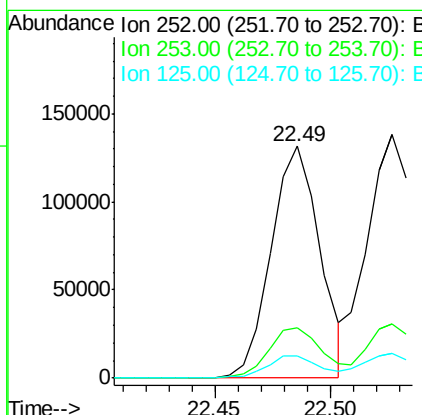
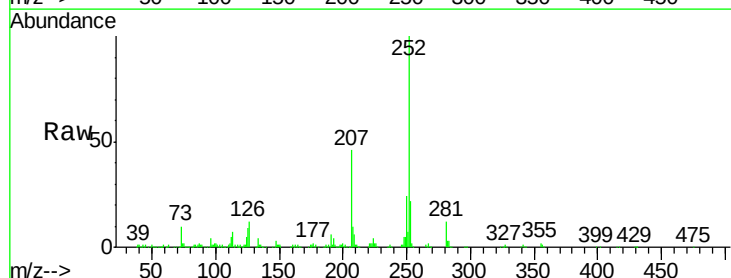
Delta R.T. -0.01 min

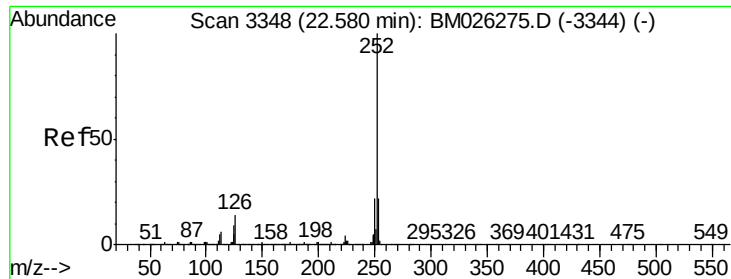
Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Tgt Ion:252 Resp: 192229

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.4	8.0	12.0

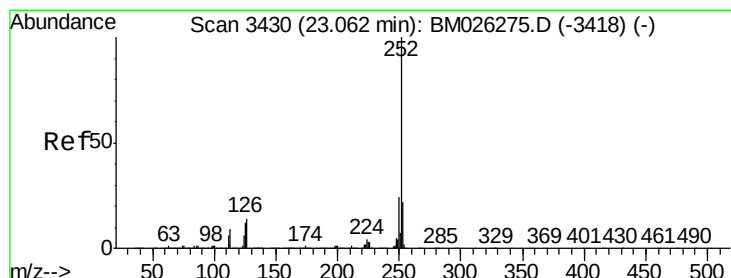
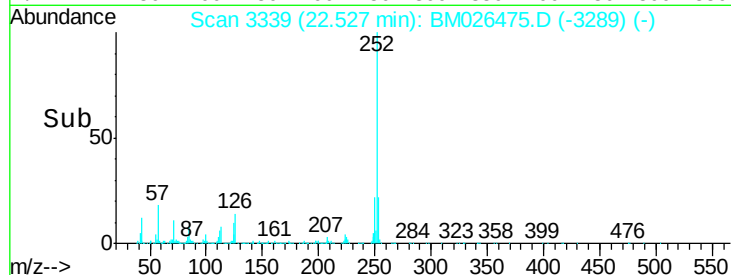
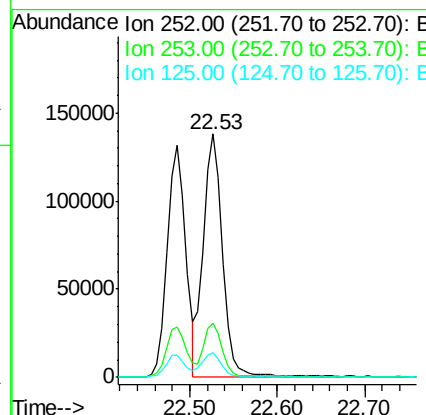
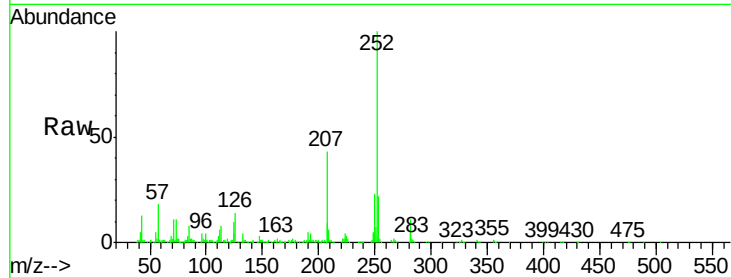




#89
Benzo(k)fluoranthene
Concen: 5.090 ng
RT: 22.53 min Scan# 3339
Delta R.T. -0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

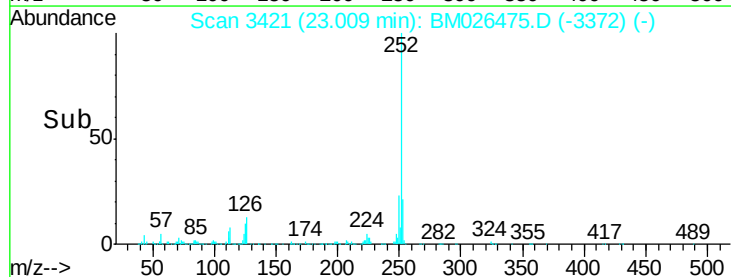
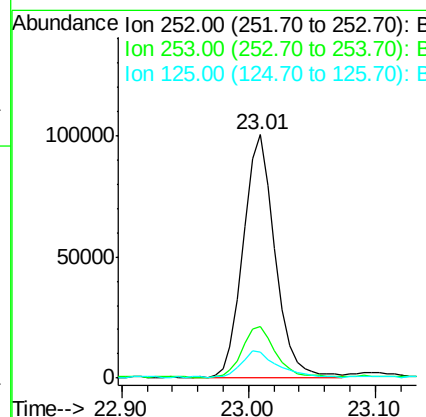
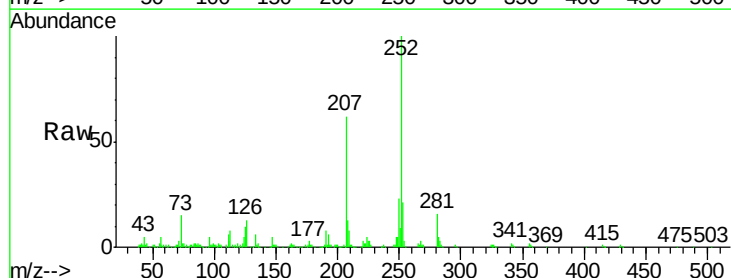
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

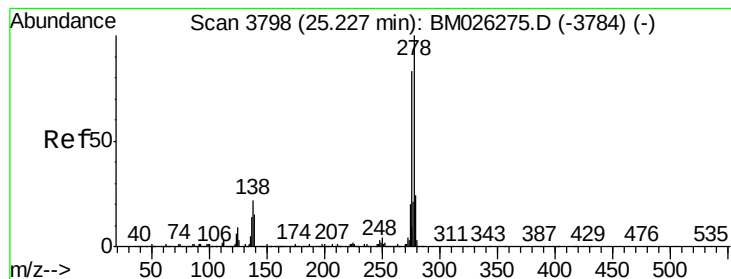
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	10.2	7.8	11.8



#90
Benzo(a)pyrene
Concen: 4.581 ng
RT: 23.01 min Scan# 3421
Delta R.T. -0.01 min
Lab File: BM026475.D
Acq: 19 Jun 2020 20:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.3	25.9
125	10.5	8.6	12.8





#91

Dibenzo(a,h)anthracene

Concen: 4.649 ng

RT: 25.14 min Scan# 3784

Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Instrument :

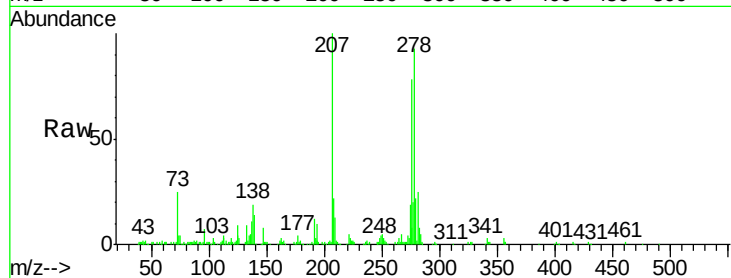
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:278 Resp: 159763

Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.3	18.5
279	23.7	18.9	28.3

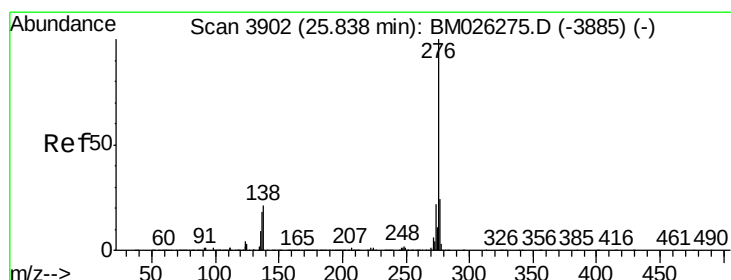
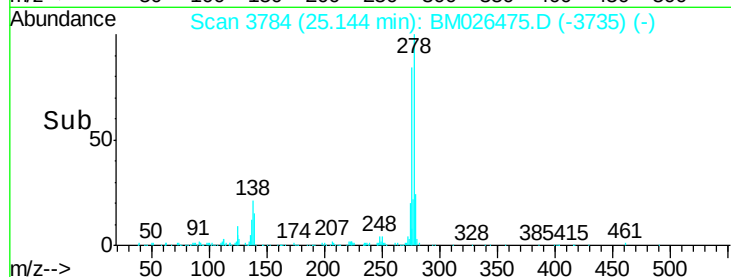
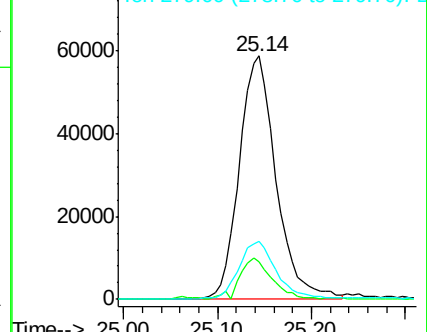


Abundance

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: 4.843 ng

RT: 25.74 min Scan# 3886

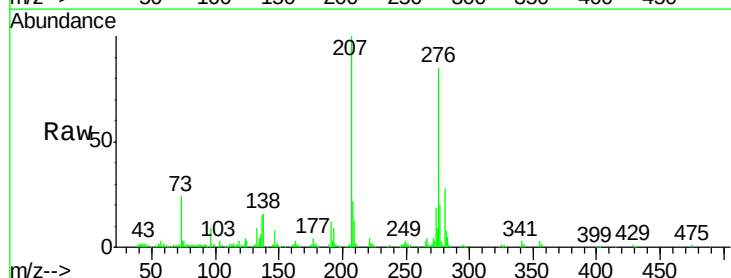
Delta R.T. -0.01 min

Lab File: BM026475.D

Acq: 19 Jun 2020 20:53

Tgt Ion:276 Resp: 158390

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	19.2	16.2	24.4



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

