

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012420\
 Data File : BM024618.D
 Acq On : 24 Jan 2020 13:07
 Operator : CG/JU
 Sample : K5111-03
 Misc : 8 PPM MDL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Quant Time: Jan 24 16:41:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	207216	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	859603	20.00	ng	0.00
39) Acenaphthene-d10	14.09	164	611590	20.00	ng	0.00
64) Phenanthrene-d10	16.84	188	1437447	20.00	ng	0.00
76) Chrysene-d12	21.05	240	1548833	20.00	ng	0.00
87) Perylene-d12	23.16	264	1724049	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.08	112	1433374	131.55	ng	0.00
7) Phenol-d6	6.64	99	1908026	127.12	ng	0.00
23) Nitrobenzene-d5	8.58	82	1298815	74.10	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	1254071	126.06	ng	0.00
45) 2-Fluorobiphenyl	12.70	172	3299083	73.34	ng	0.00
79) Terphenyl-d14	19.50	244	6740047	81.24	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.08	88	34412	7.984	ng	98
3) Pyridine	3.46	79	100961	8.080	ng	97
4) n-Nitrosodimethylamine	3.37	42	41690	7.517	ng	# 97
6) Aniline	6.78	93	141655	7.752	ng	97
8) 2-Chlorophenol	7.02	128	96162	7.753	ng	96
9) Benzaldehyde	6.60	77	64694	7.294	ng	96
10) Phenol	6.66	94	116644	7.796	ng	97
11) bis(2-Chloroethyl)ether	6.88	93	93040	7.768	ng	93
12) 1,3-Dichlorobenzene	7.33	146	119171	7.821	ng	99
13) 1,4-Dichlorobenzene	7.48	146	120318	7.783	ng	99
14) 1,2-Dichlorobenzene	7.79	146	119599	8.015	ng	99
15) Benzyl Alcohol	7.68	79	93695	7.571	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.98	45	87359	7.967	ng	97
17) 2-Methylphenol	7.89	107	78000	7.398	ng	96
18) Hexachloroethane	8.50	117	46310	7.758	ng	95
19) n-Nitroso-di-n-propylamine	8.25	70	88160	7.823	ng	95
20) 3+4-Methylphenols	8.22	107	108064	7.404	ng	97
22) Acetophenone	8.25	105	168116	7.585	ng	98
24) Nitrobenzene	8.62	77	134428	8.003	ng	98
25) Isophorone	9.15	82	226534	7.606	ng	98
26) 2-Nitrophenol	9.33	139	52224	6.714	ng	98
27) 2,4-Dimethylphenol	9.40	122	76488	7.237	ng	93
28) bis(2-Chloroethoxy)methane	9.63	93	136175	7.485	ng	99
29) 2,4-Dichlorophenol	9.86	162	99259	6.951	ng	100
30) 1,2,4-Trichlorobenzene	10.07	180	128512	7.462	ng	96
31) Naphthalene	10.25	128	325219	7.491	ng	99
32) Benzoic acid	9.49	122	33091	3.423	ng	96
33) 4-Chloroaniline	10.36	127	138341	7.269	ng	98
34) Hexachlorobutadiene	10.55	225	88858	7.464	ng	99
35) Caprolactam	11.12	113	31872	6.957	ng	100
36) 4-Chloro-3-methylphenol	11.50	107	105210	6.929	ng	99
37) 2-Methylnaphthalene	11.87	142	244341	7.293	ng	99
38) 1-Methylnaphthalene	12.10	142	235344	7.384	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.26	216	160182	7.338	ng	99

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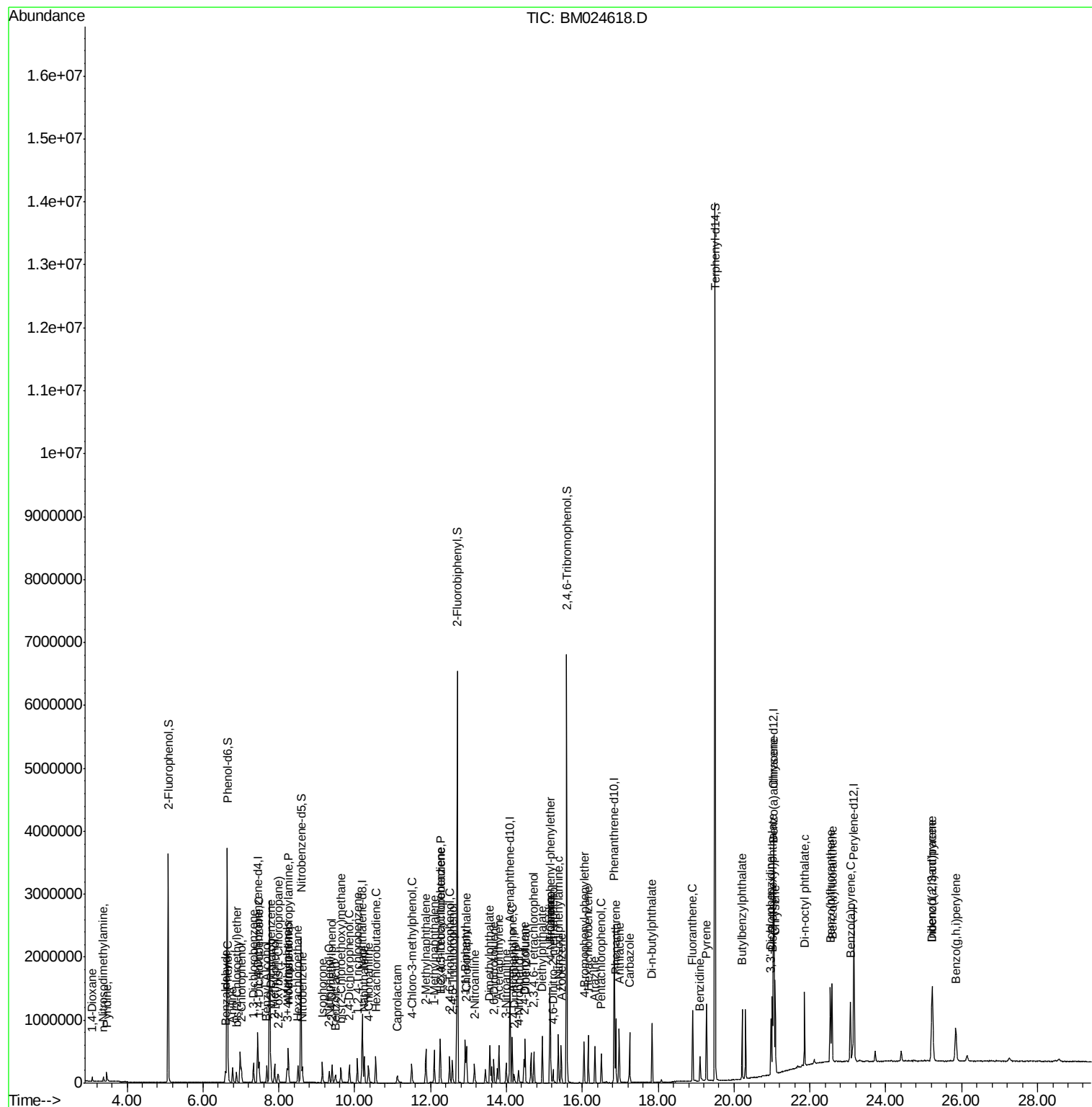
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.25	237	83476	6.823	ng	99
43) 2,4,6-Trichlorophenol	12.50	196	94211	6.783	ng	99
44) 2,4,5-Trichlorophenol	12.57	196	99159	6.990	ng	98
46) 1,1'-Biphenyl	12.92	154	349295	7.547	ng	99
47) 2-Chloronaphthalene	12.95	162	281397	7.531	ng	98
48) 2-Nitroaniline	13.16	65	78351	6.875	ng	96
49) Acenaphthylene	13.80	152	419044	7.492	ng	99
50) Dimethylphthalate	13.56	163	374538	7.573	ng	99
51) 2,6-Dinitrotoluene	13.67	165	74953	7.129	ng	98
52) Acenaphthene	14.15	154	255399	7.358	ng	100
53) 3-Nitroaniline	13.99	138	73403	6.731	ng	98
54) 2,4-Dinitrophenol	14.20	184	32322	5.141	ng	98
55) Dibenzofuran	14.49	168	422738	7.468	ng	99
56) 4-Nitrophenol	14.32	139	54752	6.423	ng	98
57) 2,4-Dinitrotoluene	14.46	165	101323	6.724	ng	97
58) Fluorene	15.15	166	340803	7.164	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.73	232	101922	7.085	ng	99
60) Diethylphthalate	14.95	149	374956	7.468	ng	99
61) 4-Chlorophenyl-phenylether	15.15	204	198261	7.229	ng	96
62) 4-Nitroaniline	15.16	138	81162	6.742	ng	98
63) Azobenzene	15.45	77	321353	7.504	ng	98
65) 4,6-Dinitro-2-methylphenol	15.23	198	48016	5.681	ng	99
66) n-Nitrosodiphenylamine	15.37	169	299503	7.254	ng	98
67) 4-Bromophenyl-phenylether	16.05	248	128082	7.165	ng	95
68) Hexachlorobenzene	16.16	284	151972	7.408	ng	99
69) Atrazine	16.33	200	111280	7.021	ng	97
70) Pentachlorophenol	16.50	266	78904	6.315	ng	99
71) Phenanthrene	16.88	178	570056	7.323	ng	99
72) Anthracene	16.97	178	547700	7.191	ng	100
73) Carbazole	17.25	167	497581	7.176	ng	100
74) Di-n-butylphthalate	17.84	149	628616	7.092	ng	99
75) Fluoranthene	18.90	202	710054	7.309	ng	99
77) Benzidine	19.10	184	251120	6.962	ng	97
78) Pyrene	19.27	202	746497	7.311	ng	98
80) Butylbenzylphthalate	20.21	149	279981	6.535	ng	97
81) Benzo(a)anthracene	21.03	228	787192	7.323	ng	100
82) 3,3'-Dichlorobenzidine	20.97	252	260364	6.733	ng	100
83) Chrysene	21.09	228	762774	7.436	ng	100
84) Bis(2-ethylhexyl)phthalate	21.01	149	419407	6.634	ng	98
85) Di-n-octyl phthalate	21.86	149	680585	6.516	ng	98
86) Indeno(1,2,3-cd)pyrene	25.22	276	818067	7.317	ng	100
88) Benzo(b)fluoranthene	22.54	252	770564	6.891	ng	98
89) Benzo(k)fluoranthene	22.58	252	786792	7.209	ng	99
90) Benzo(a)pyrene	23.07	252	704061	6.925	ng	100
91) Dibenzo(a,h)anthracene	25.23	278	677338	7.020	ng	99
92) Benzo(g,h,i)perylene	25.84	276	614778	7.017	ng	100

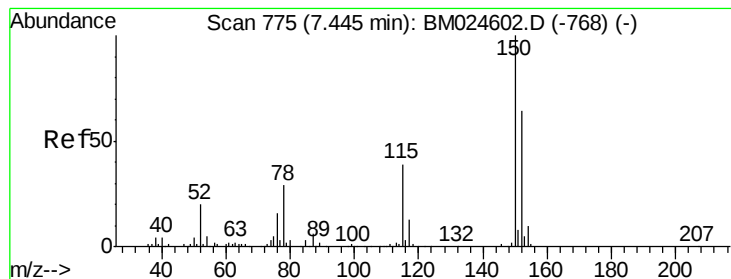
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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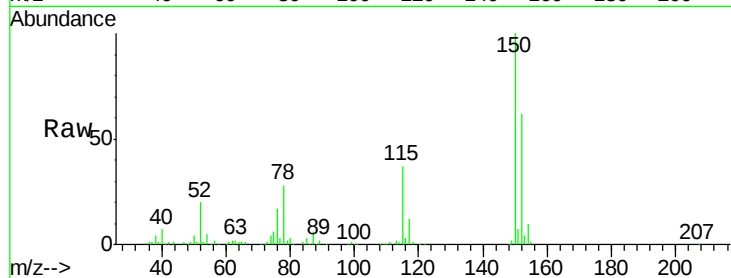


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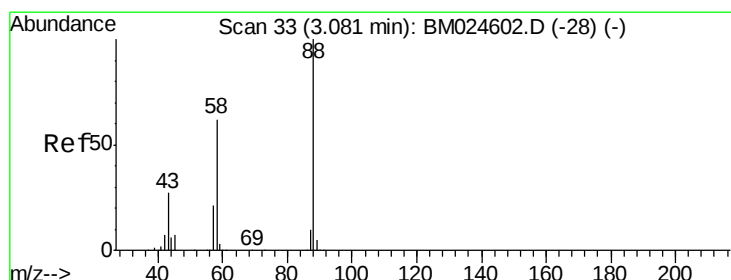
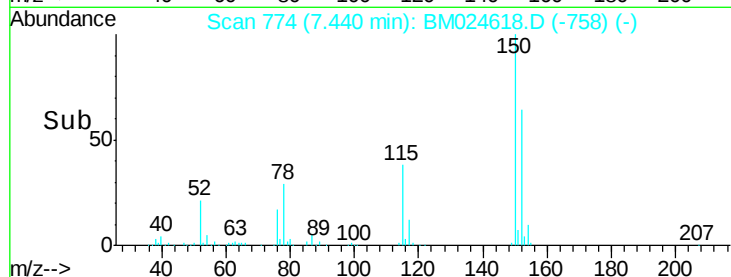
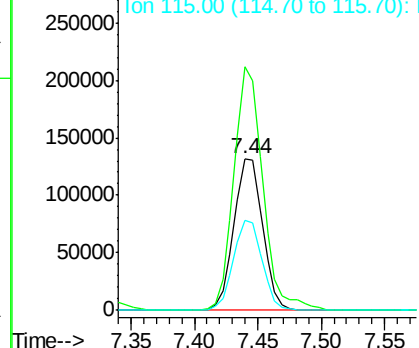
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.44 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:152 Resp: 207216
Ion Ratio Lower Upper
152 100
150 160.1 124.2 186.4
115 59.2 48.6 72.8



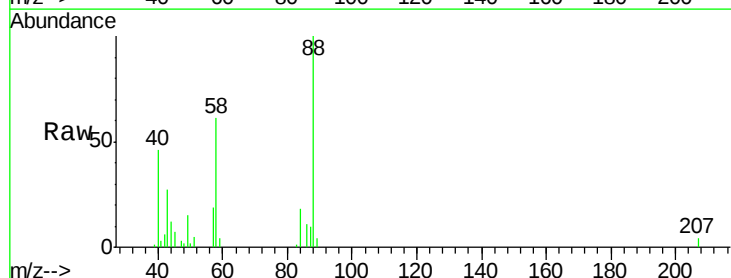
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



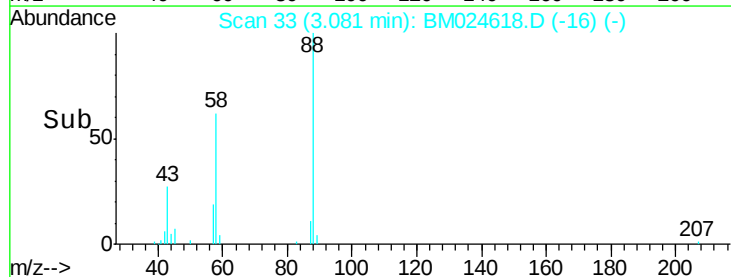
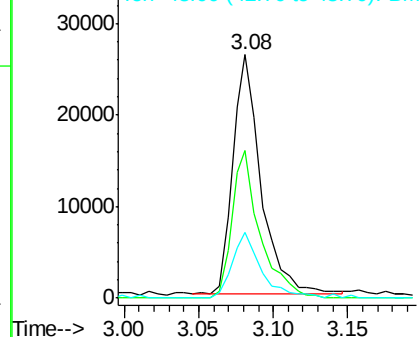
#2

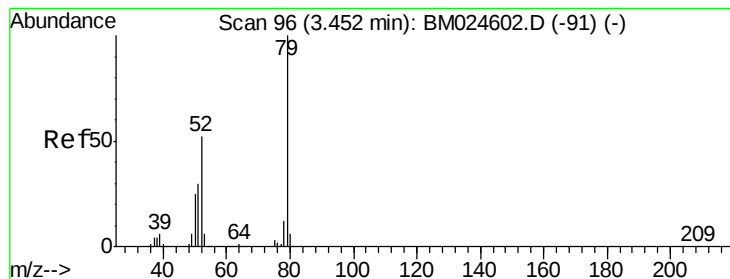
1,4-Dioxane
Concen: 7.984 ng
RT: 3.08 min Scan# 33
Delta R.T. 0.00 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion: 88 Resp: 34412
Ion Ratio Lower Upper
88 100
58 61.5 50.0 75.0
43 28.5 21.6 32.4



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: 8.080 ng

RT: 3.46 min Scan# 97

Delta R.T. 0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

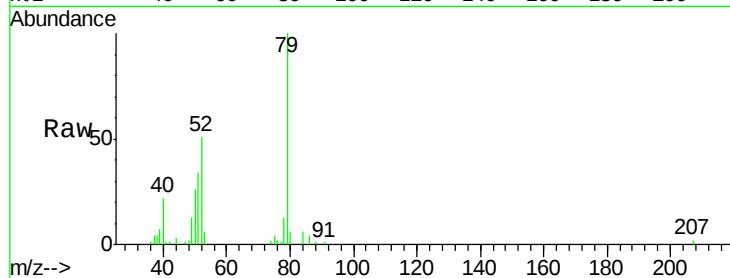
Tot Ion: 79 Resp: 100961

Ion Ratio Lower Upper

79 100

52 51.0 41.4 62.2

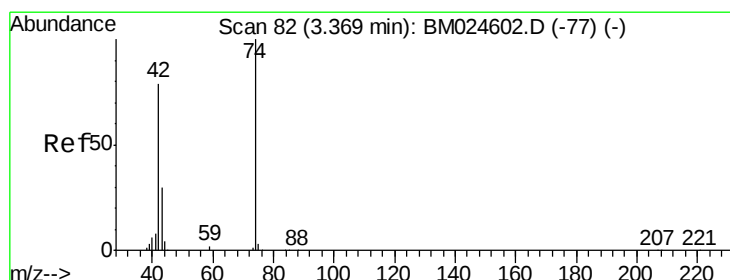
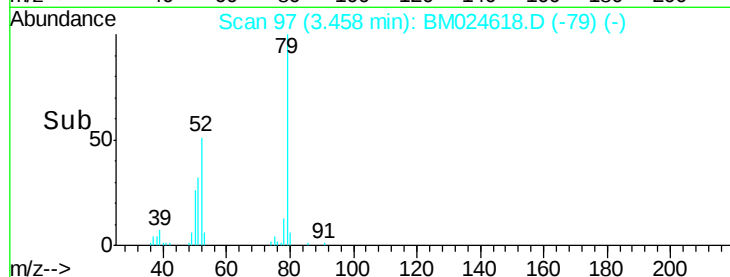
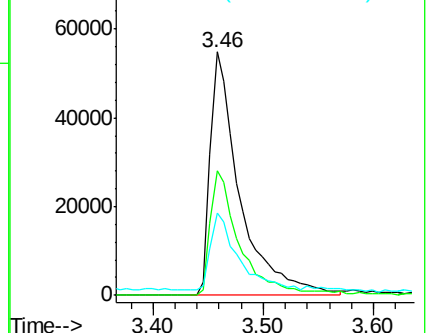
51 33.8 23.8 35.8



Abundance Ion 79.00 (78.70 to 79.70): BM024602.D (-91) (-)

Ion 52.00 (51.70 to 52.70): BM024602.D (-91) (-)

Ion 51.00 (50.70 to 51.70): BM024602.D (-91) (-)



#4

n-Nitrosodimethylamine

Concen: 7.517 ng

RT: 3.37 min Scan# 82

Delta R.T. 0.00 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

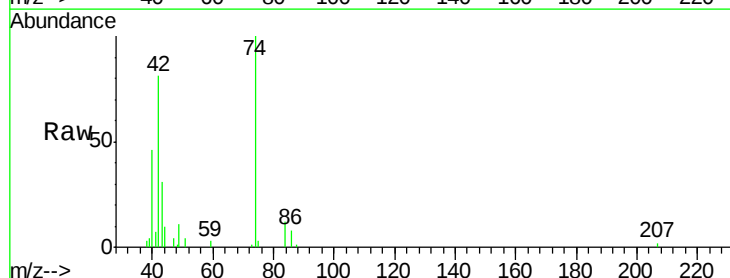
Tgt Ion: 42 Resp: 41690

Ion Ratio Lower Upper

42 100

74 124.0 101.4 152.2

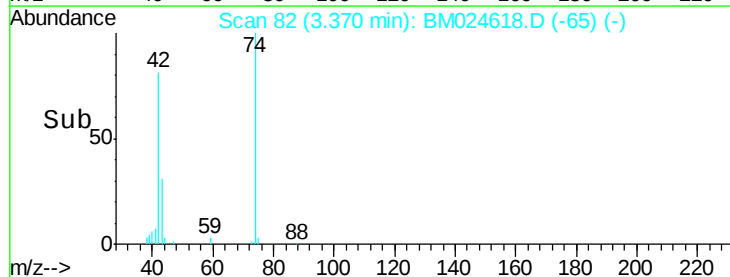
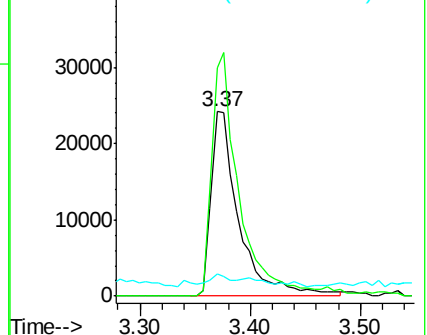
44 12.1 4.6 6.8#

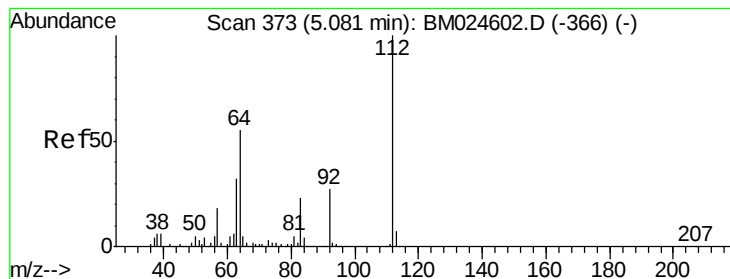


Abundance Ion 42.00 (41.70 to 42.70): BM024602.D (-77) (-)

Ion 74.00 (73.70 to 74.70): BM024602.D (-77) (-)

Ion 44.00 (43.70 to 44.70): BM024602.D (-77) (-)





#5

2-Fluorophenol

Concen: 131.550 ng

RT: 5.08 min Scan# 373

Delta R.T. 0.00 min

Lab File: BM024618.D

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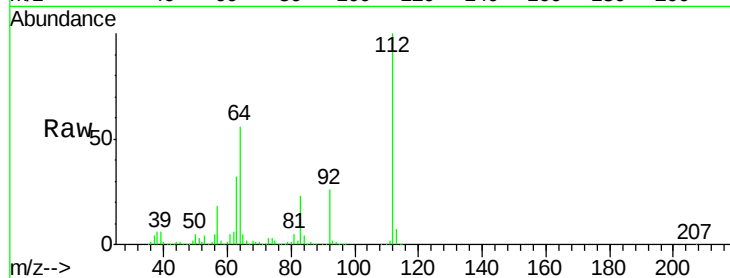
Tot Ion:112 Resp: 1433374

Ion Ratio Lower Upper

112 100

64 55.9 44.2 66.4

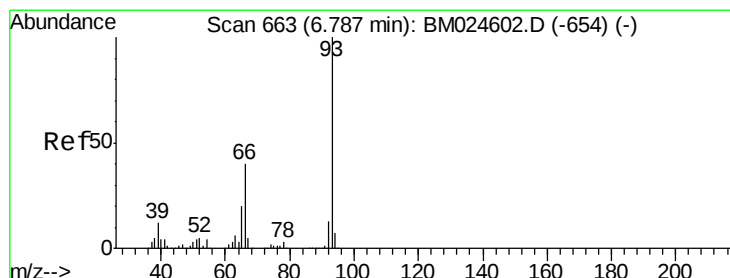
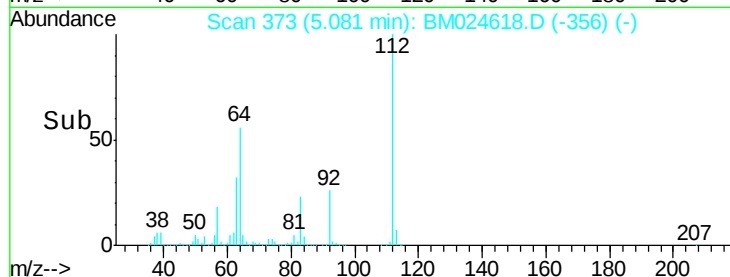
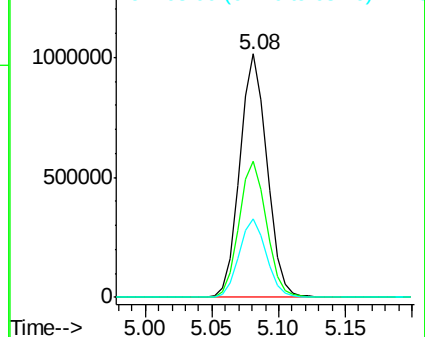
63 32.2 25.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 7.752 ng

RT: 6.78 min Scan# 662

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

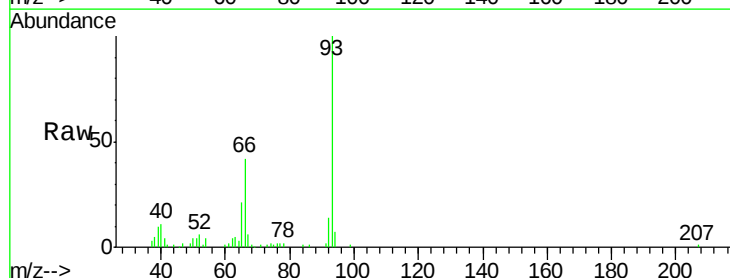
Tgt Ion: 93 Resp: 141655

Ion Ratio Lower Upper

93 100

66 41.8 31.8 47.8

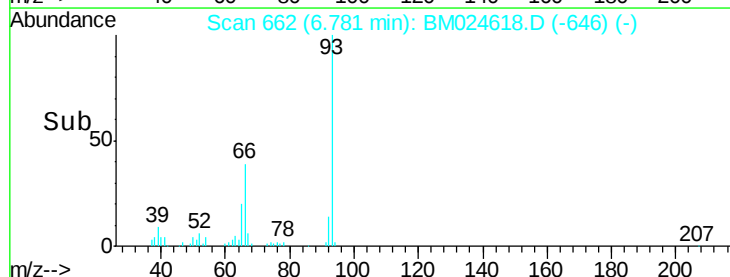
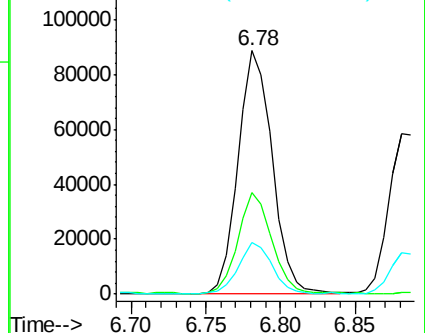
65 21.3 15.8 23.6

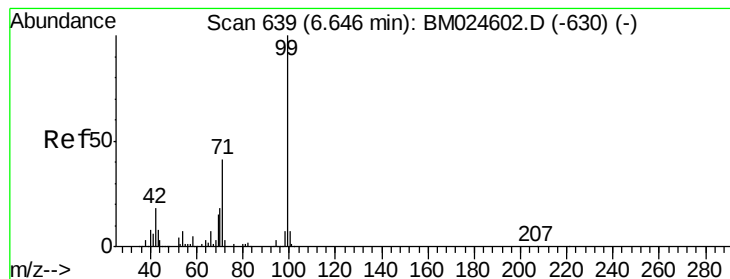


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 127.117 ng

RT: 6.64 min Scan# 638

Delta R.T. -0.01 min

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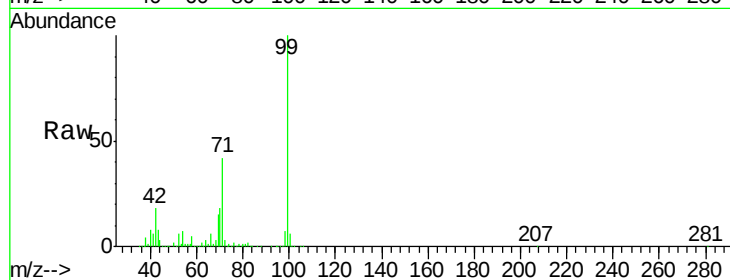
Tot Ion: 99 Resp: 1908026

Ion Ratio Lower Upper

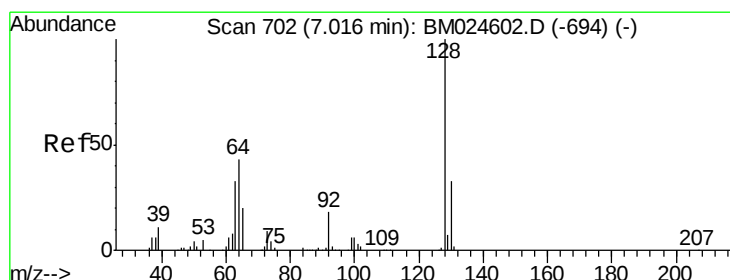
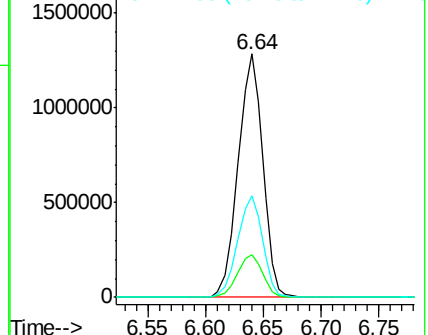
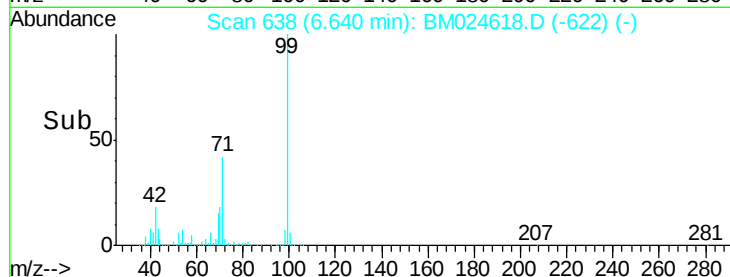
99 100

42 17.5 14.1 21.1

71 41.6 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BM024618.D (-622) (-)



#8

2-Chlorophenol

Concen: 7.753 ng

RT: 7.02 min Scan# 702

Delta R.T. 0.00 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

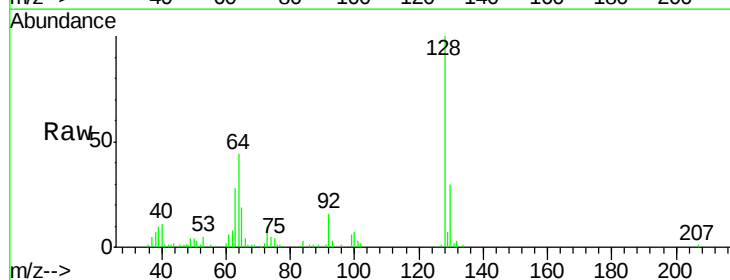
Tgt Ion: 128 Resp: 96162

Ion Ratio Lower Upper

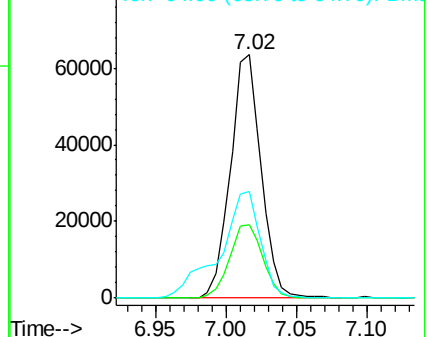
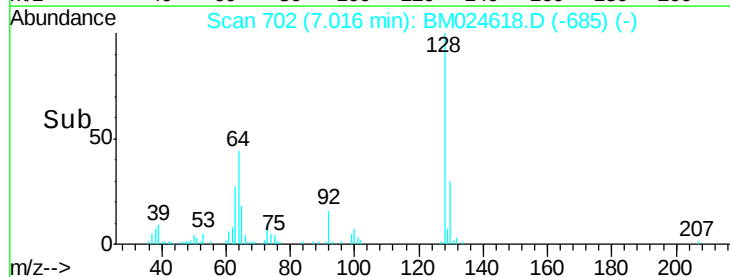
128 100

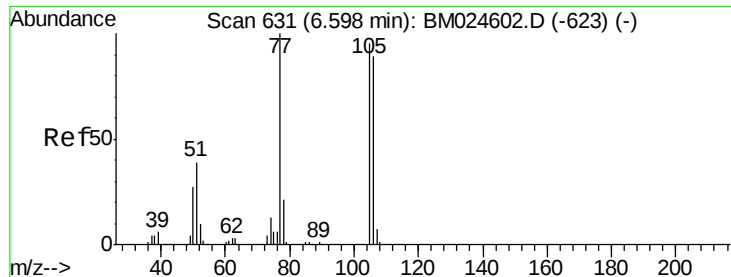
130 30.3 12.5 52.5

64 43.7 26.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): BM024618.D (-685) (-)





#9

Benzaldehyde

Concen: 7.294 ng

RT: 6.60 min Scan# 631

Delta R.T. 0.00 min

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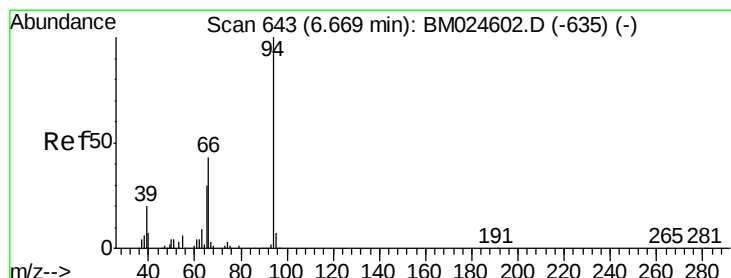
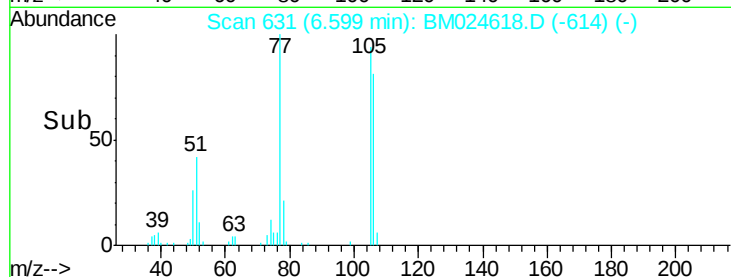
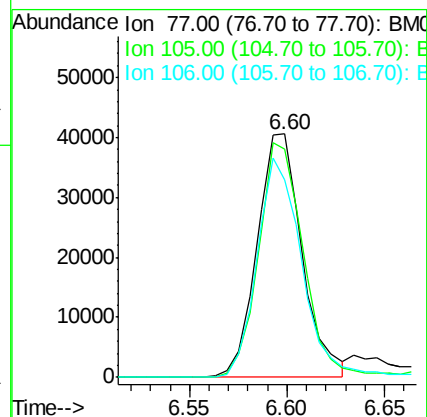
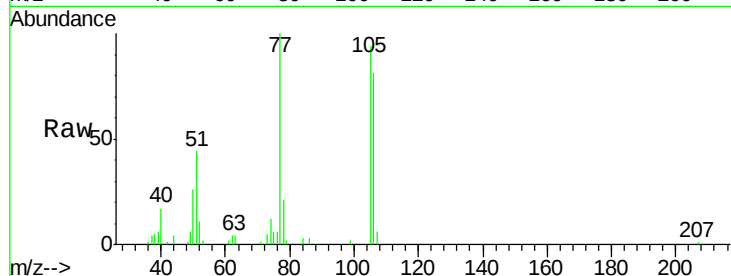
Tot Ion: 77 Resp: 64694

Ion Ratio Lower Upper

77 100

105 93.9 75.2 115.2

106 81.3 68.6 108.6



#10

Phenol

Concen: 7.796 ng

RT: 6.66 min Scan# 642

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

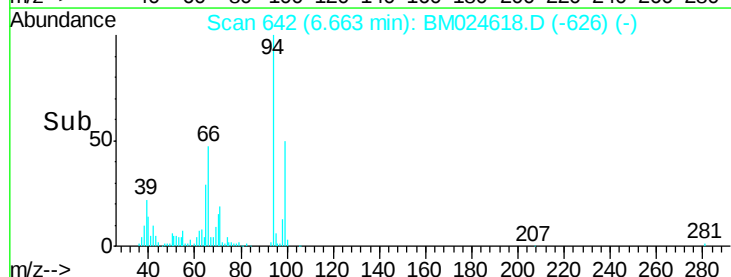
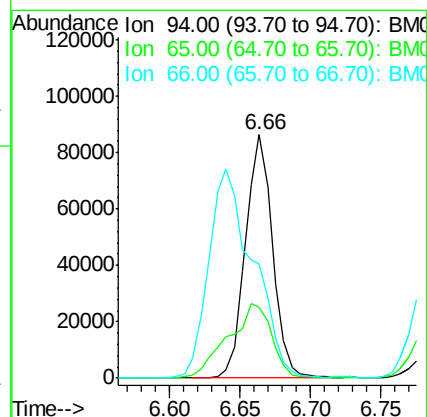
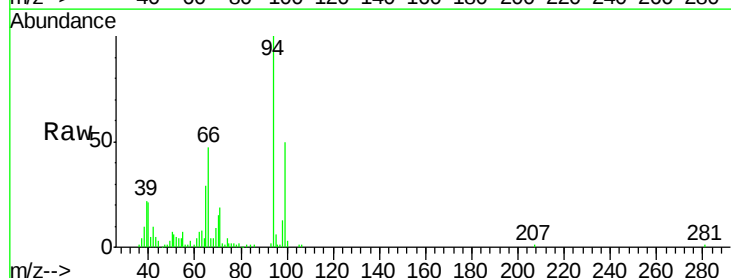
Tgt Ion: 94 Resp: 116644

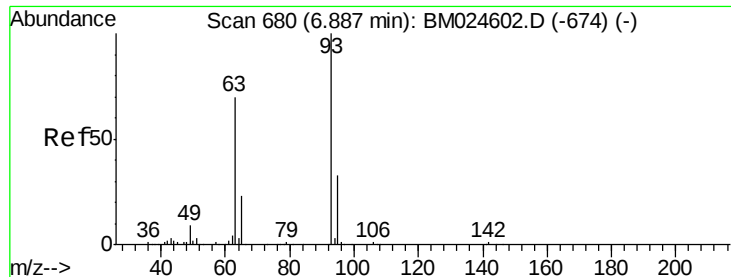
Ion Ratio Lower Upper

94 100

65 29.0 10.3 50.3

66 47.2 24.8 64.8





#11

bis(2-Chloroethyl)ether

Concen: 7.768 ng

RT: 6.88 min Scan# 679

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

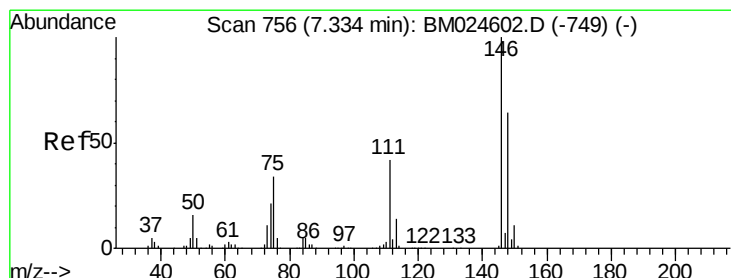
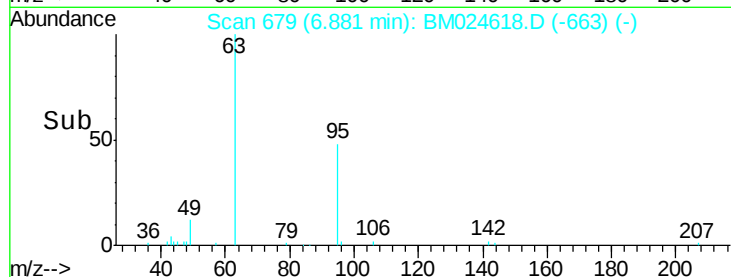
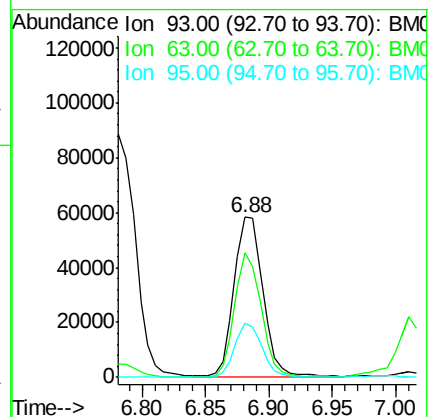
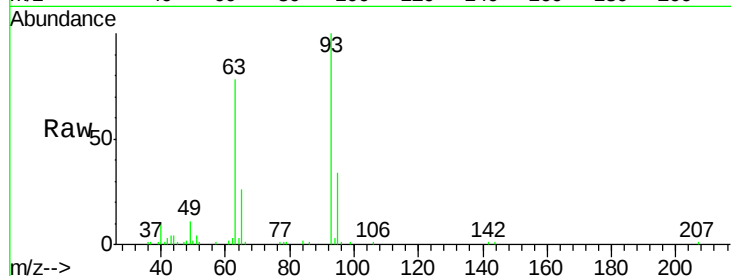
Tot Ion: 93 Resp: 93040

Ion Ratio Lower Upper

93 100

63 77.9 49.6 89.6

95 33.6 12.6 52.6



#12

1,3-Dichlorobenzene

Concen: 7.821 ng

RT: 7.33 min Scan# 756

Delta R.T. 0.00 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

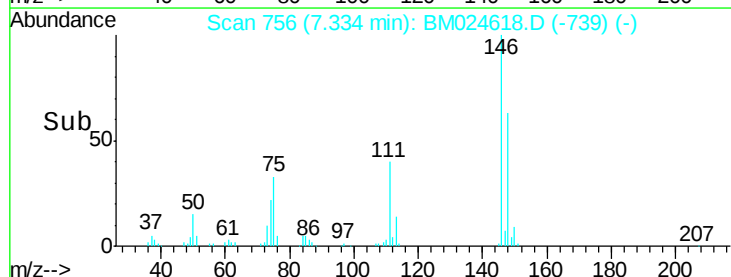
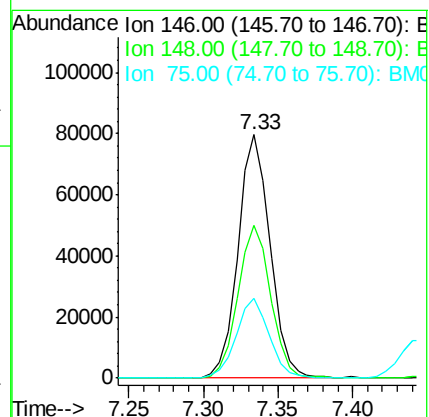
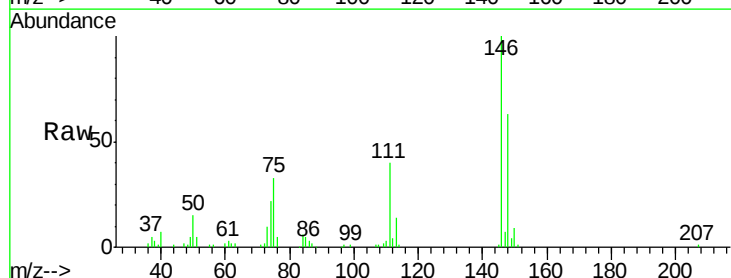
Tgt Ion: 146 Resp: 119171

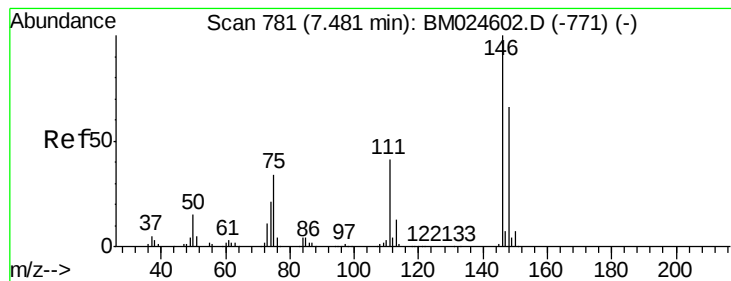
Ion Ratio Lower Upper

146 100

148 62.9 51.0 76.6

75 32.5 27.0 40.4





#13

1,4-Dichlorobenzene

Concen: 7.783 ng

RT: 7.48 min Scan# 780

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

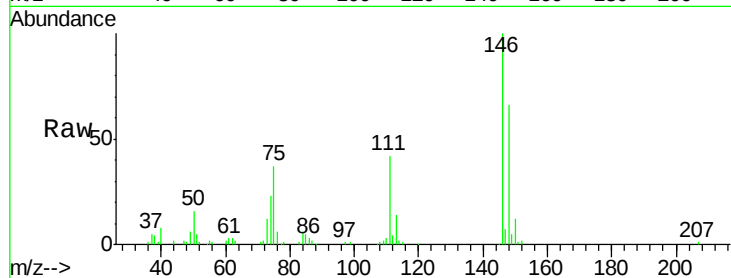
Tot Ion:146 Resp: 120318

Ion Ratio Lower Upper

146 100

148 65.6 52.5 78.7

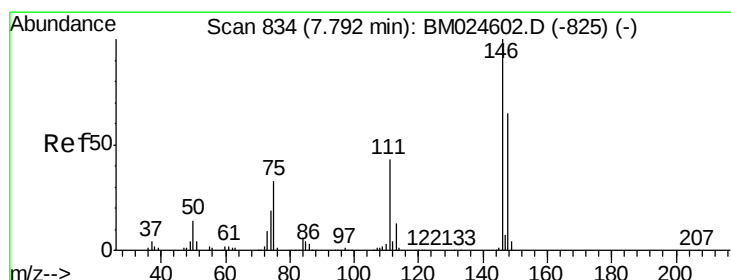
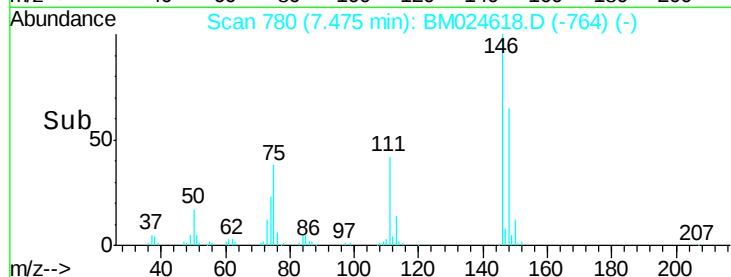
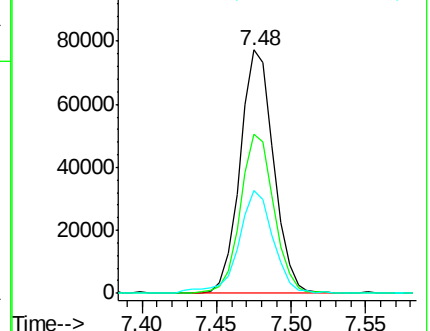
111 42.2 33.0 49.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 8.015 ng

RT: 7.79 min Scan# 833

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

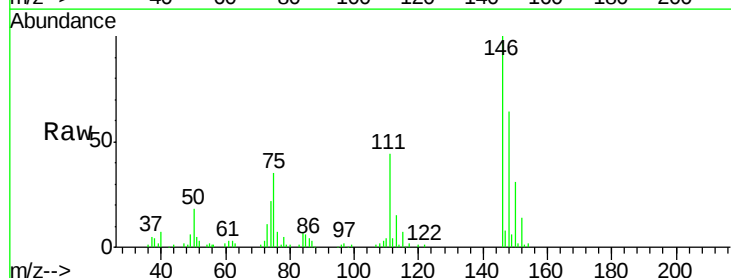
Tgt Ion:146 Resp: 119599

Ion Ratio Lower Upper

146 100

148 64.5 51.9 77.9

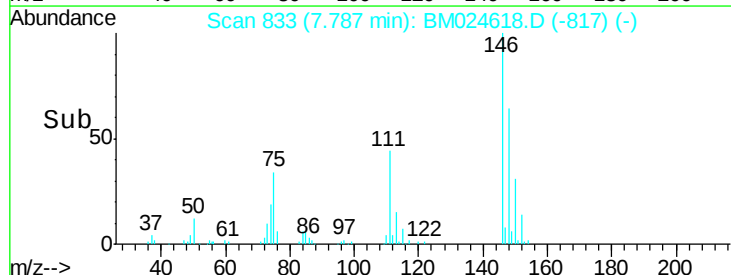
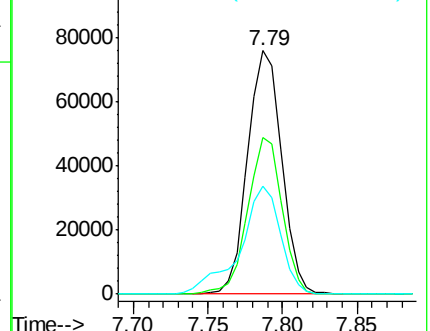
111 44.4 34.5 51.7

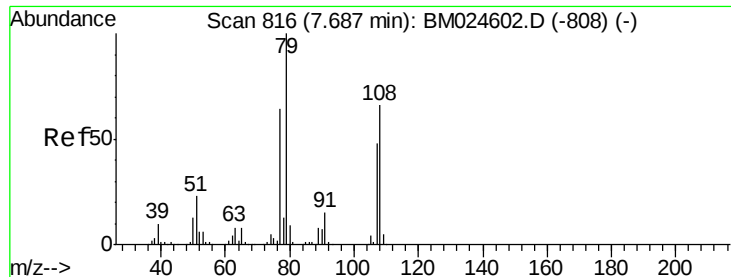


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 7.571 ng

RT: 7.68 min Scan# 815

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

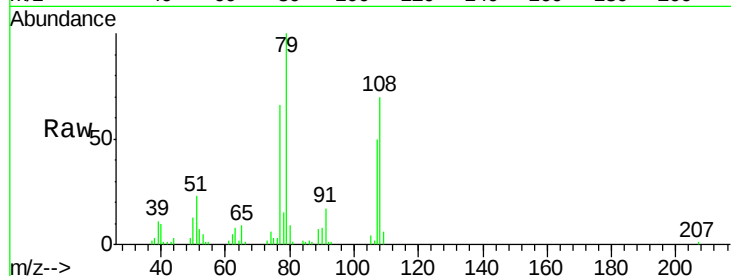
Tot Ion: 79 Resp: 93695

Ion Ratio Lower Upper

79 100

108 69.8 53.0 79.4

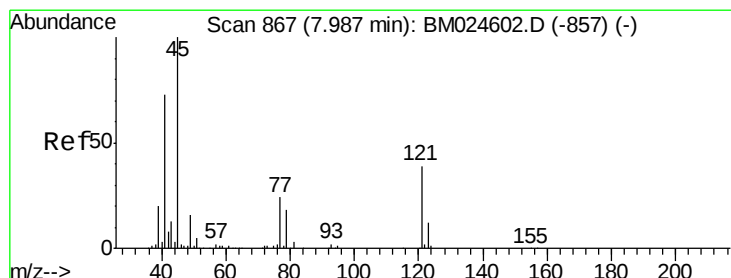
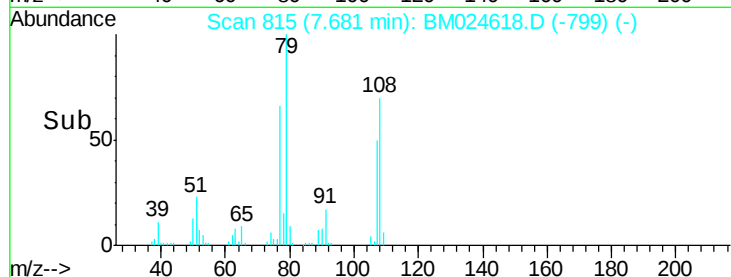
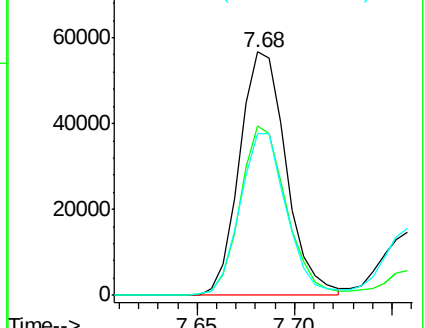
77 66.2 50.8 76.2



Abundance Ion 79.00 (78.70 to 79.70): BM024618.D (-799) (-)

Ion 108.00 (107.70 to 108.70): BM024618.D (-799) (-)

Ion 77.00 (76.70 to 77.70): BM024618.D (-799) (-)



#16

2,2'-oxybis(1-chloropropane)

Concen: 7.967 ng

RT: 7.98 min Scan# 866

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

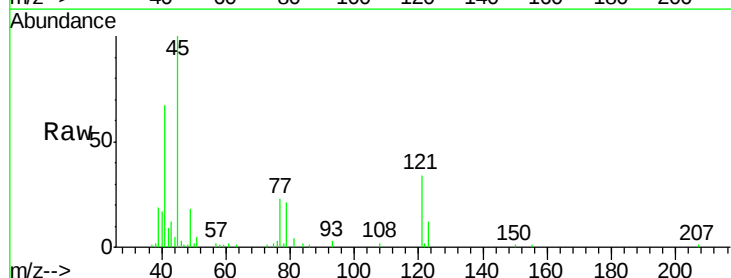
Tgt Ion: 45 Resp: 87359

Ion Ratio Lower Upper

45 100

77 23.4 5.2 45.2

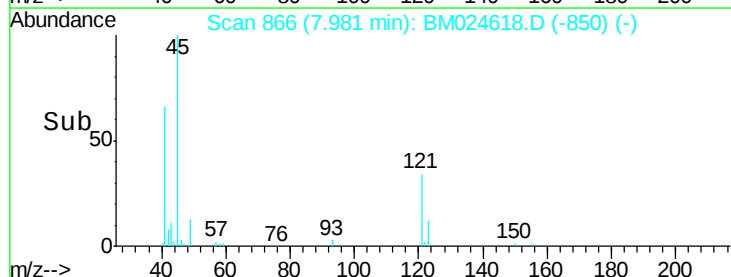
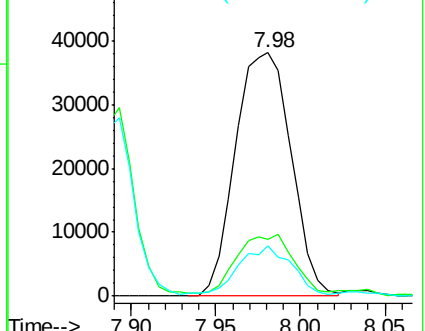
79 20.7 0.0 39.4

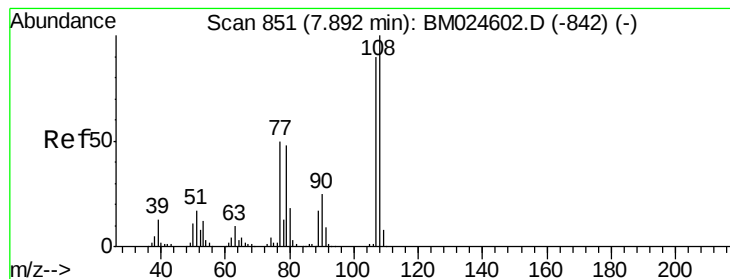


Abundance Ion 45.00 (44.70 to 45.70): BM024618.D (-850) (-)

Ion 77.00 (76.70 to 77.70): BM024618.D (-850) (-)

Ion 79.00 (78.70 to 79.70): BM024618.D (-850) (-)

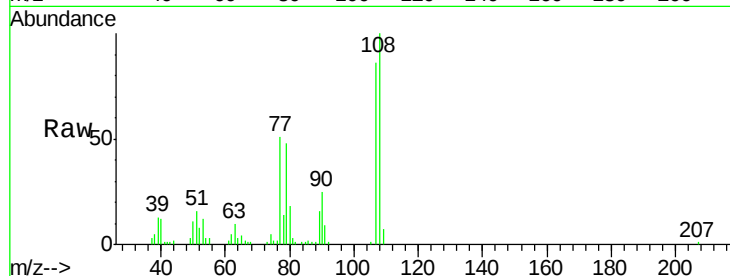




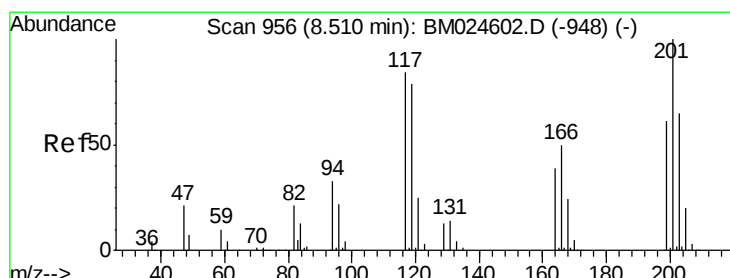
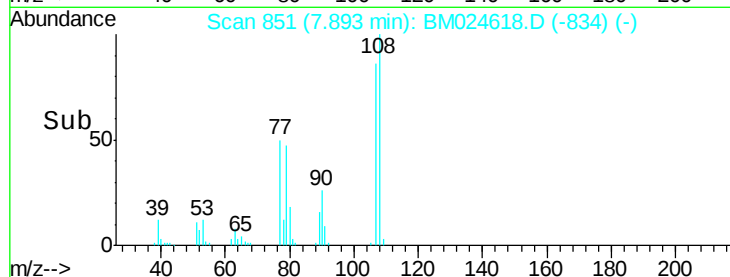
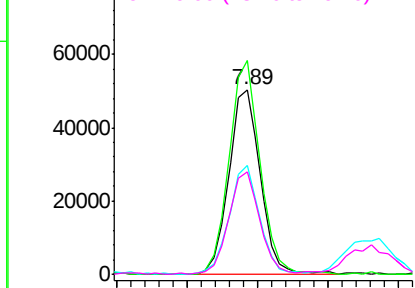
#17
2-Methylphenol
Concen: 7.398 ng
RT: 7.89 min Scan# 851
Delta R.T. 0.00 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	107	Resp:	78000
Ion	Ratio	Lower	Upper
107	100		
108	115.9	88.9	133.3
77	58.8	44.5	66.7
79	55.3	42.9	64.3

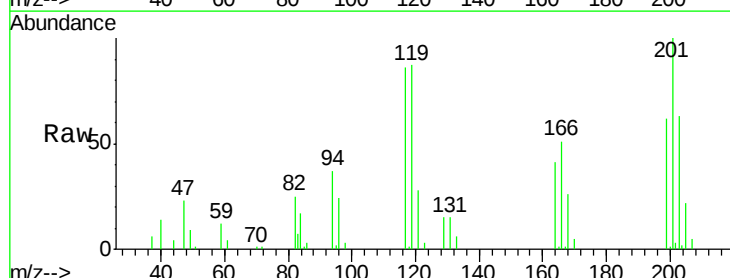


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

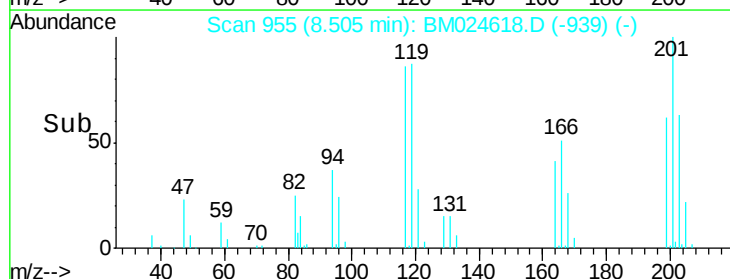
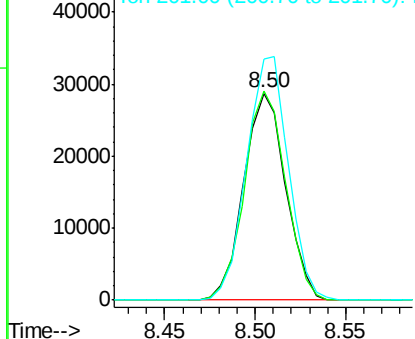


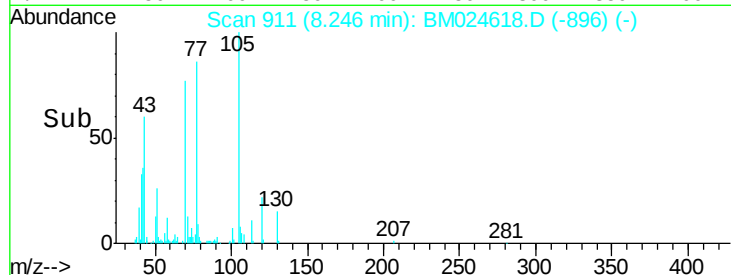
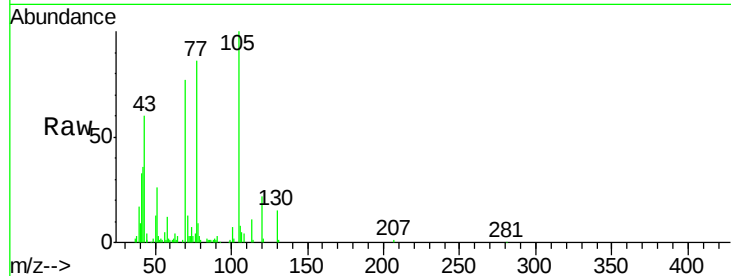
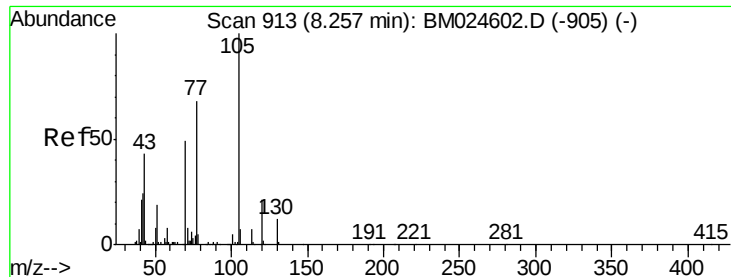
#18
Hexachloroethane
Concen: 7.758 ng
RT: 8.50 min Scan# 956
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:	117	Resp:	46310
Ion	Ratio	Lower	Upper
117	100		
119	101.1	75.4	113.2
201	116.8	95.8	143.6



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

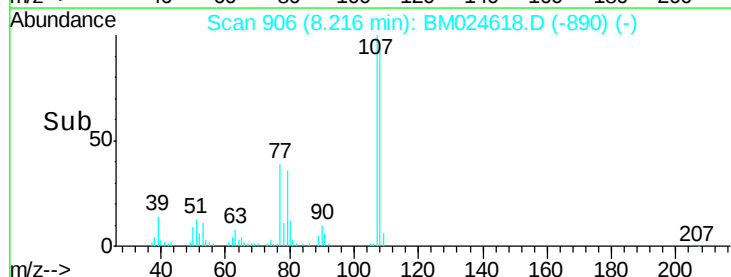
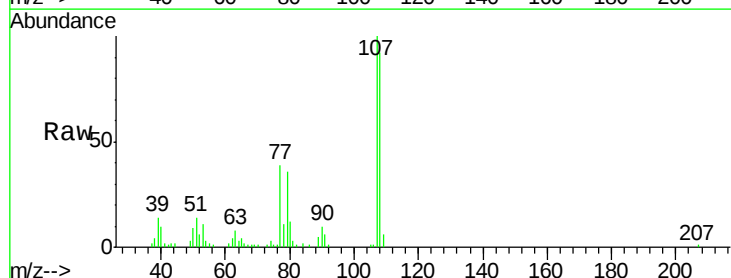
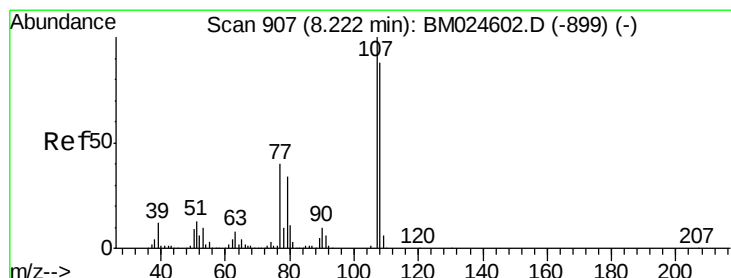
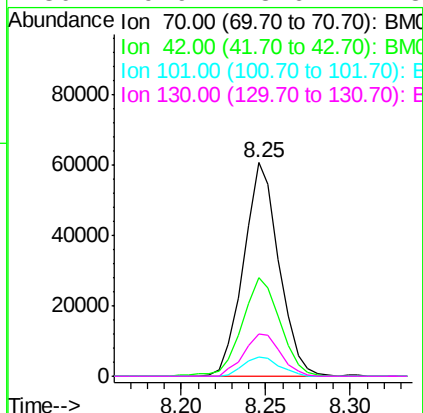




#19
n-Nitroso-di-n-propylamine
Concen: 7.823 ng
RT: 8.25 min Scan# 911
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

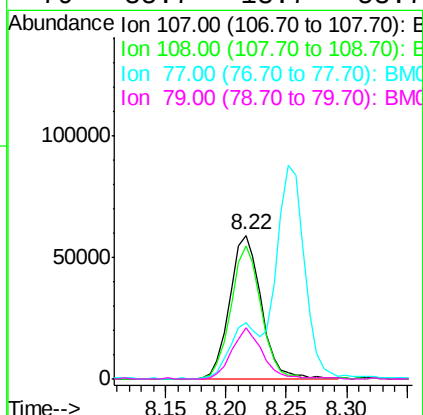
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

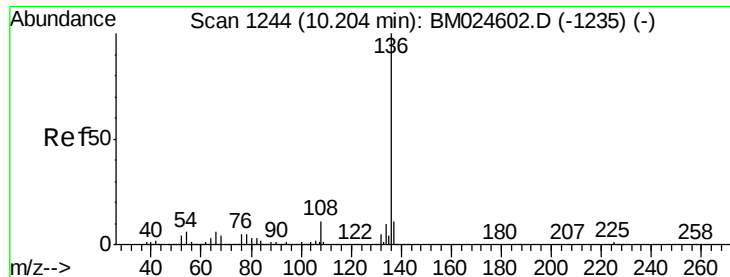
Tot Ion:	70	Resp:	88160
Ion	Ratio	Lower	Upper
70	100		
42	46.4	40.0	60.0
101	9.3	8.2	12.2
130	19.9	18.6	27.8



#20
3+4-Methylphenols
Concen: 7.404 ng
RT: 8.22 min Scan# 906
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:	107	Resp:	108064
Ion	Ratio	Lower	Upper
107	100		
108	92.3	68.0	108.0
77	39.4	19.9	59.9
79	35.7	13.7	53.7

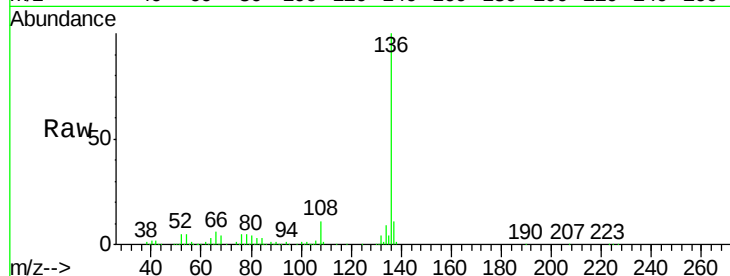




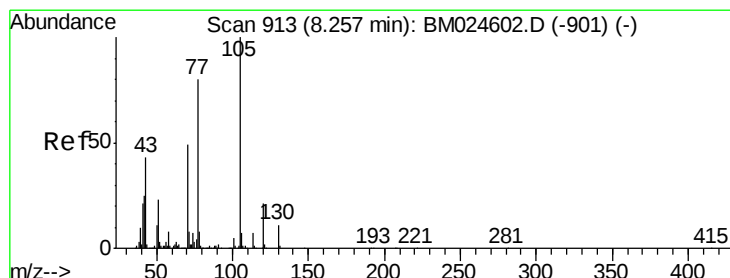
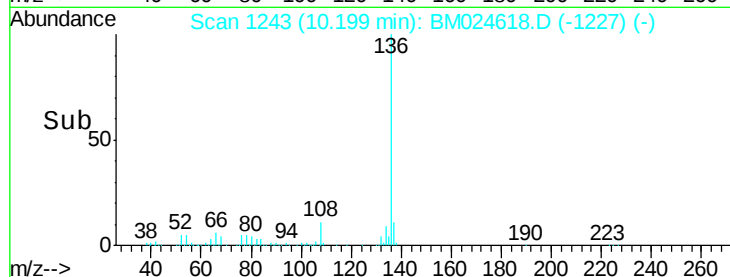
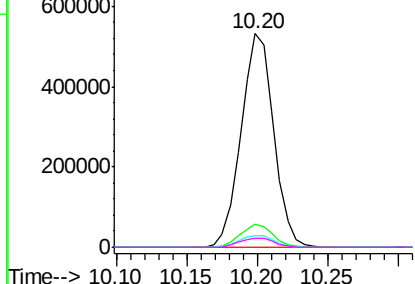
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.20 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:136	Resp: 859603
Ion Ratio	Lower Upper
136 100	
137 11.1	8.6 13.0
54 5.4	4.5 6.7
68 4.0	3.4 5.0

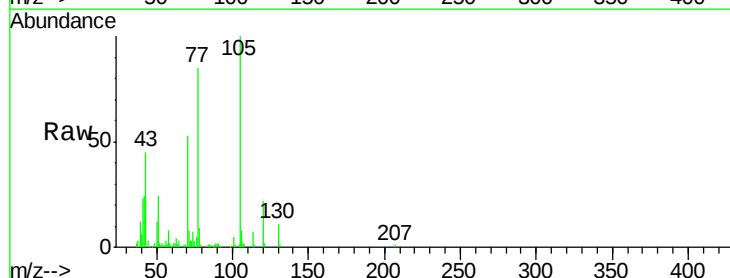


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

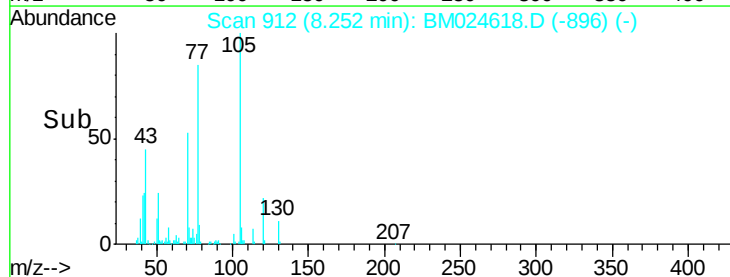
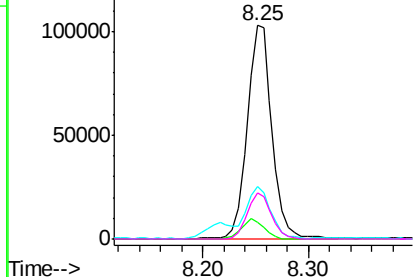


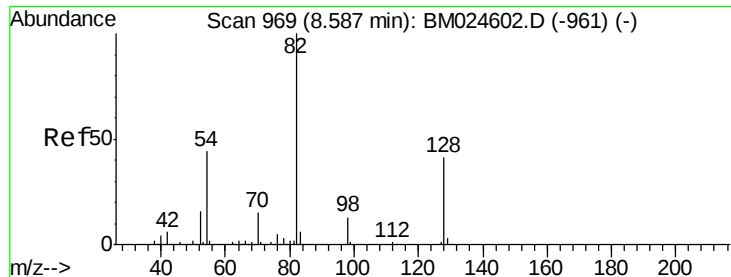
#22
Acetophenone
Concen: 7.585 ng
RT: 8.25 min Scan# 912
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt	Ion:105	Resp:	168116
Ion	Ratio	Lower	Upper
105	100		
71	7.9	6.7	10.1
51	24.5	18.5	27.7
120	21.7	16.6	25.0



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



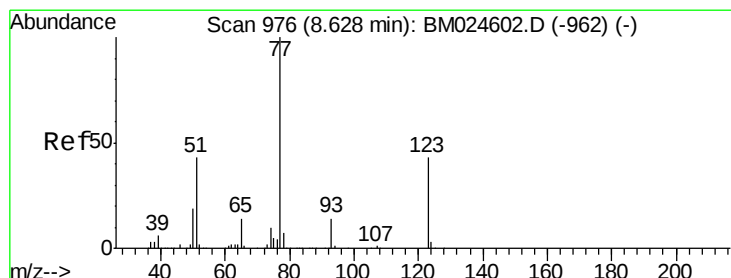
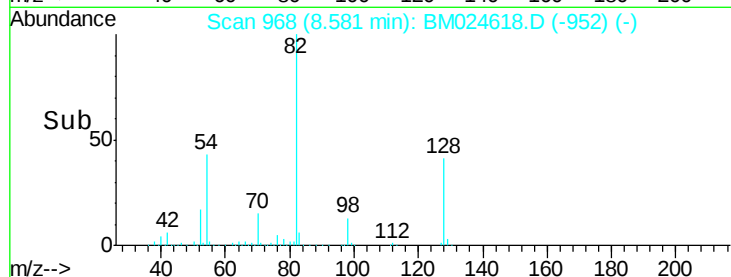
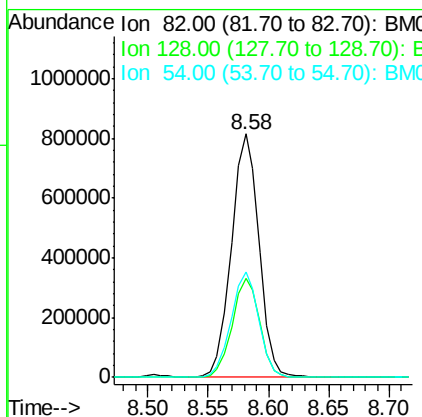
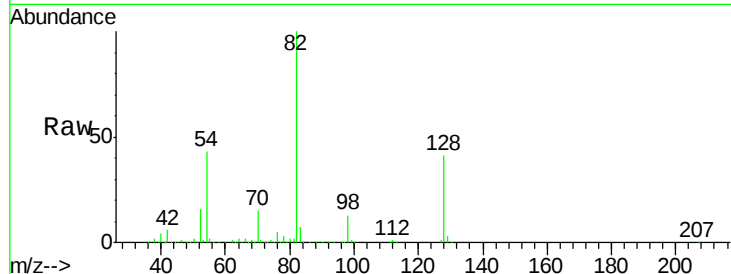


#23
 Nitrobenzene-d5
 Concen: 74.099 ng
 RT: 8.58 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion: 82 Resp: 1298815

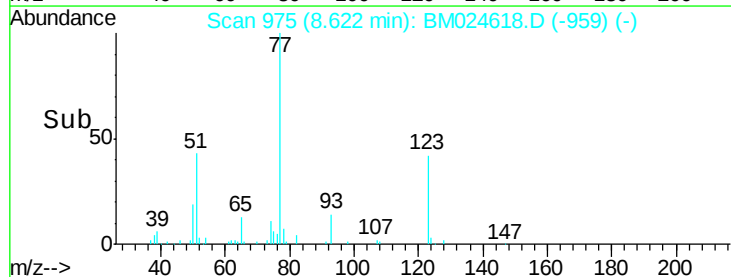
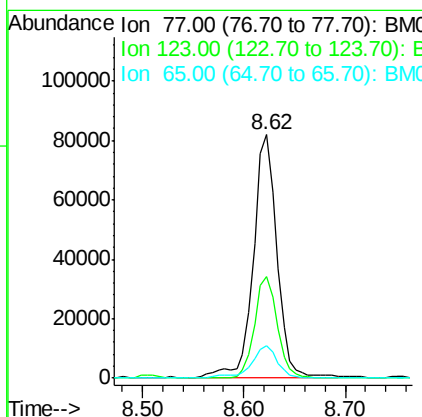
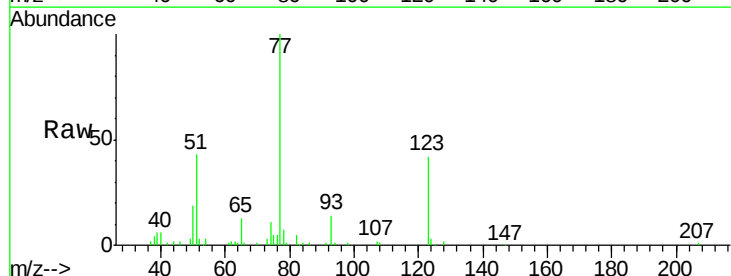
Ion	Ratio	Lower	Upper
82	100		
128	40.6	32.6	48.8
54	43.3	34.8	52.2

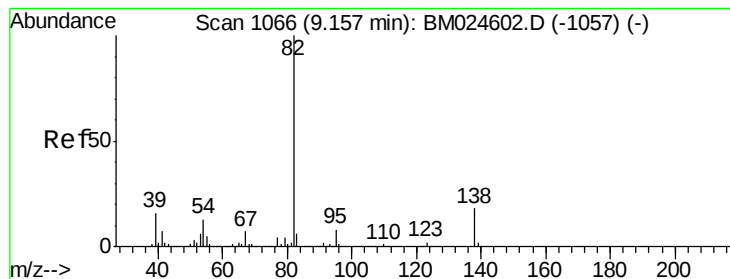


#24
 Nitrobenzene
 Concen: 8.003 ng
 RT: 8.62 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion: 77 Resp: 134428

Ion	Ratio	Lower	Upper
77	100		
123	41.6	34.6	52.0
65	13.1	11.0	16.4





#25

Isophorone

Concen: 7.606 ng

RT: 9.15 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

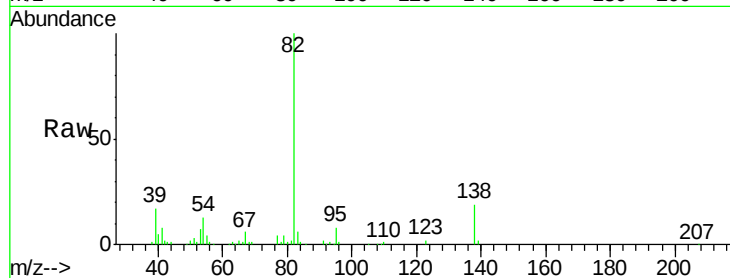
Tot Ion: 82 Resp: 226534

Ion Ratio Lower Upper

82 100

95 8.1 6.7 10.1

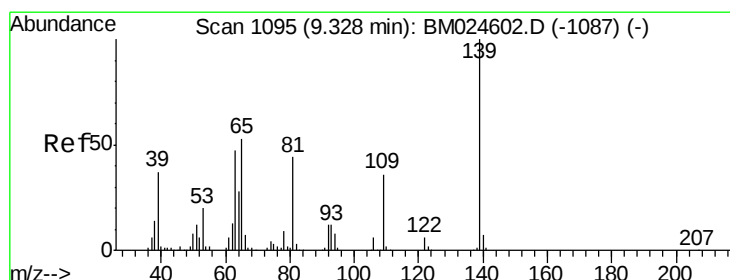
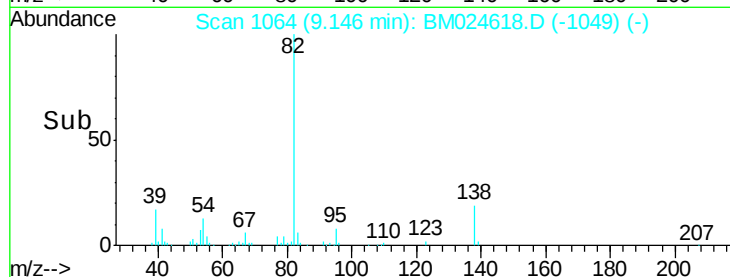
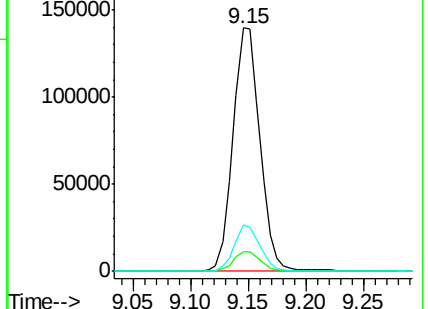
138 19.2 14.7 22.1



Abundance Ion 82.00 (81.70 to 82.70): BM024618.D (-1049) (-)

Ion 95.00 (94.70 to 95.70): BM024618.D (-1049) (-)

Ion 138.00 (137.70 to 138.70): BM024618.D (-1049) (-)



#26

2-Nitrophenol

Concen: 6.714 ng

RT: 9.33 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

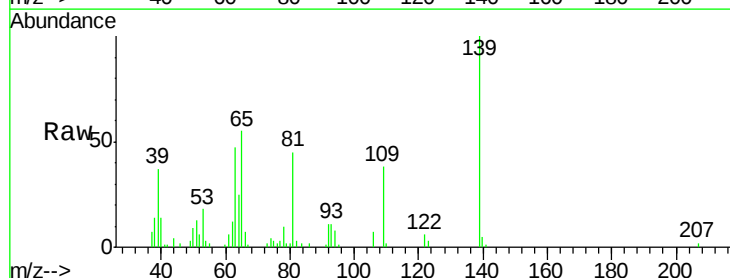
Tgt Ion: 139 Resp: 52224

Ion Ratio Lower Upper

139 100

109 37.5 28.8 43.2

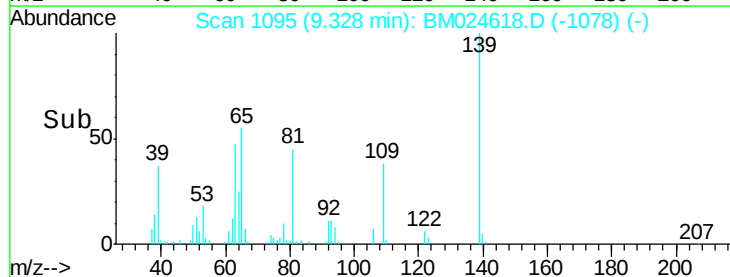
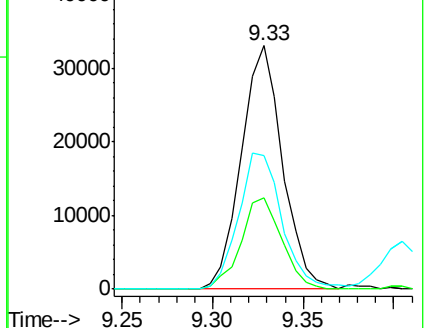
65 54.6 42.6 63.8

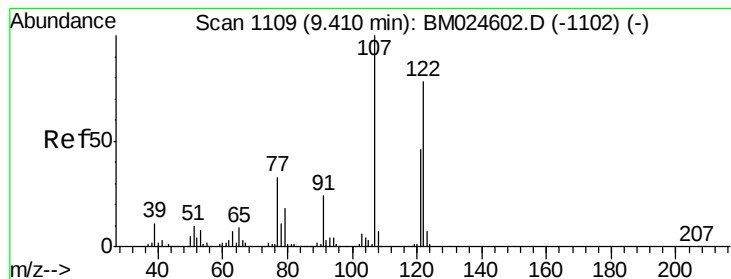


Abundance Ion 139.00 (138.70 to 139.70): BM024618.D (-1078) (-)

Ion 109.00 (108.70 to 109.70): BM024618.D (-1078) (-)

Ion 65.00 (64.70 to 65.70): BM024618.D (-1078) (-)

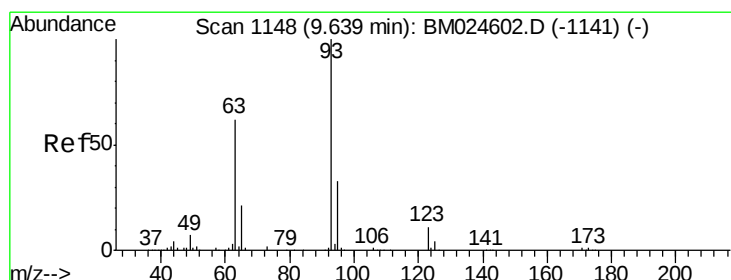
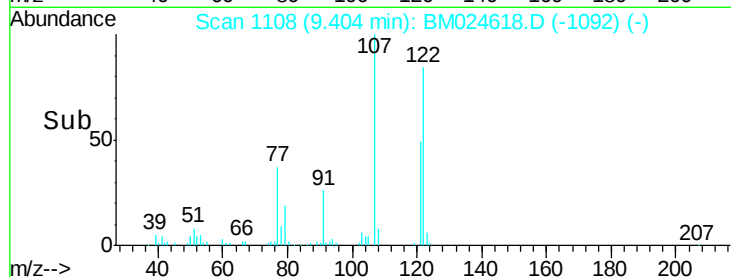
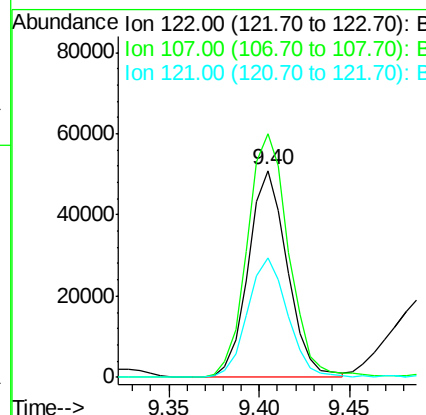
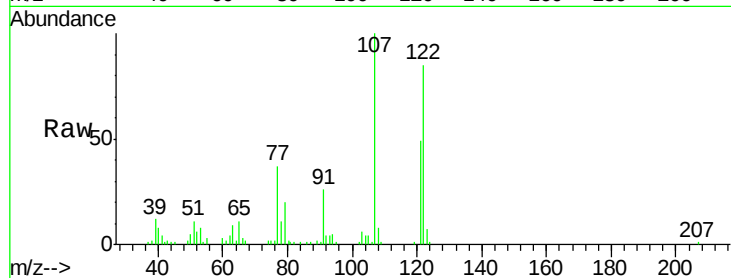




#27
 2,4-Dimethylphenol
 Concen: 7.237 ng
 RT: 9.40 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

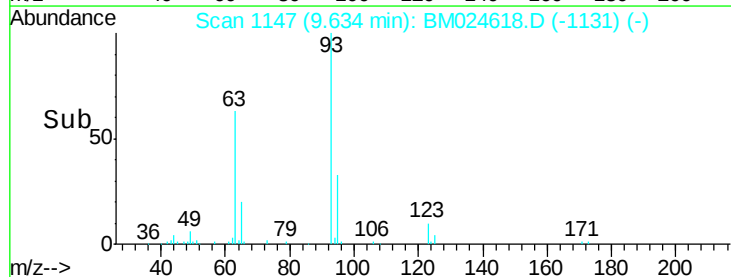
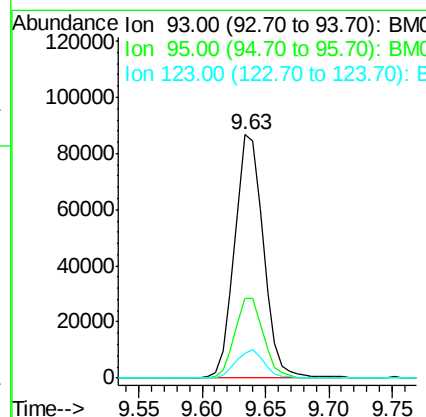
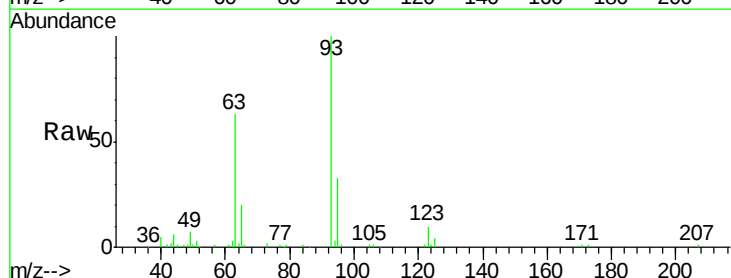
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

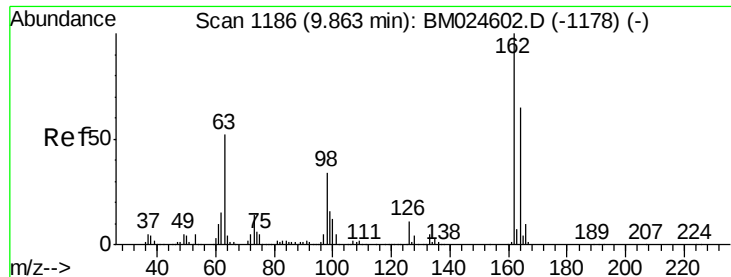
Tot Ion:122 Resp: 76488
 Ion Ratio Lower Upper
 122 100
 107 117.7 102.5 153.7
 121 57.6 47.0 70.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 7.485 ng
 RT: 9.63 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion: 93 Resp: 136175
 Ion Ratio Lower Upper
 93 100
 95 32.8 26.1 39.1
 123 10.4 8.7 13.1

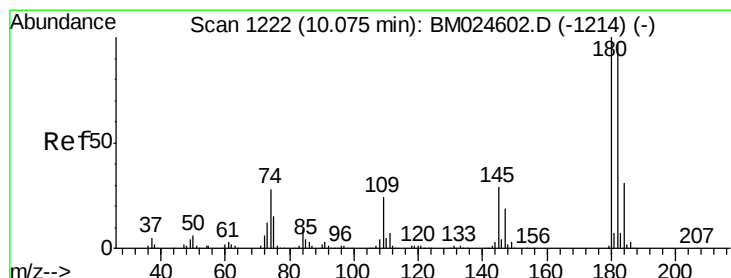
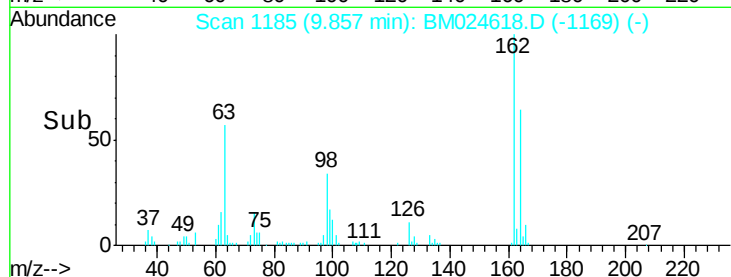
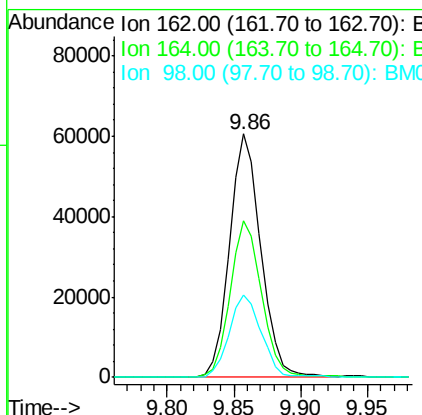
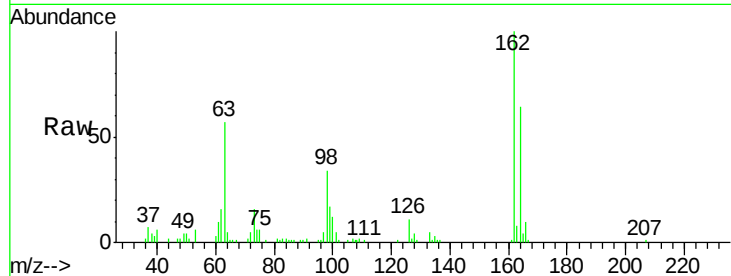




#29
2,4-Dichlorophenol
Concen: 6.951 ng
RT: 9.86 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

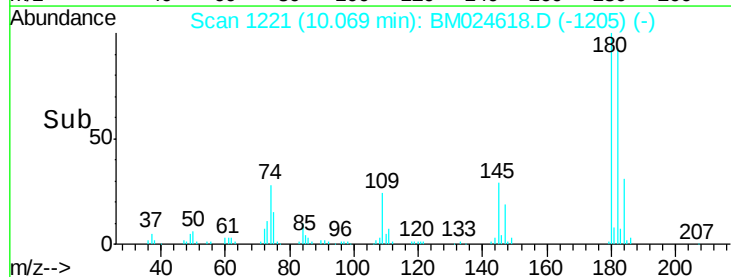
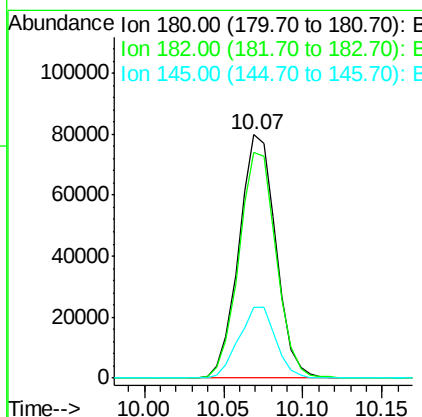
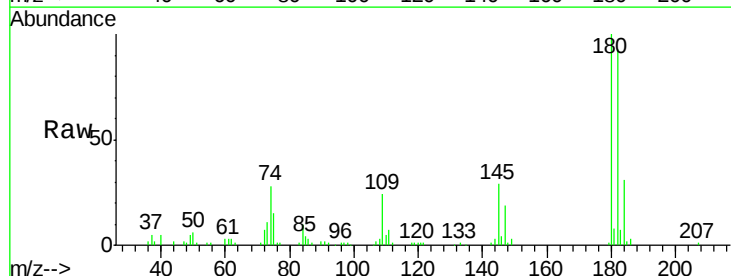
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

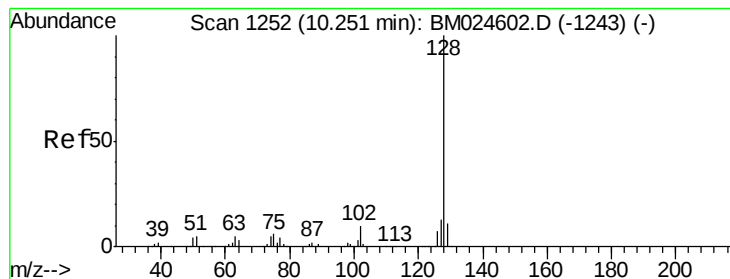
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.5	84.5
98	34.1	14.2	54.2



#30
1,2,4-Trichlorobenzene
Concen: 7.462 ng
RT: 10.07 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	77.8	116.6
145	29.0	22.9	34.3





#31

Naphthalene

Concen: 7.491 ng

RT: 10.25 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

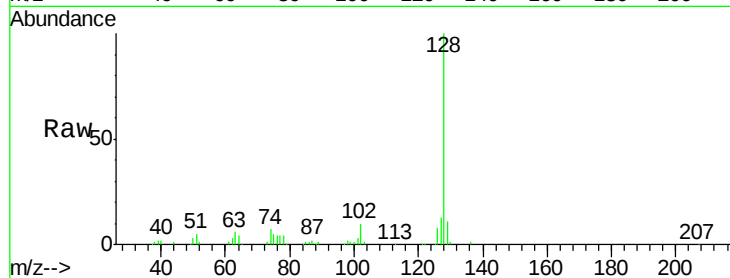
Tot Ion:128 Resp: 325219

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

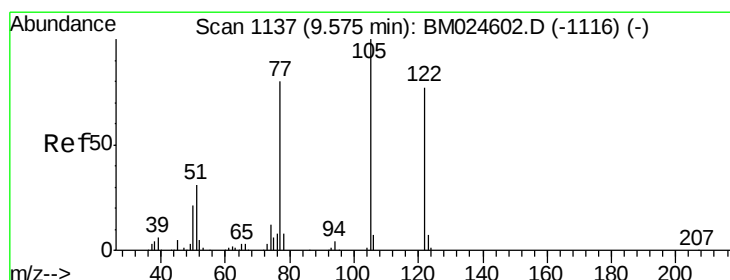
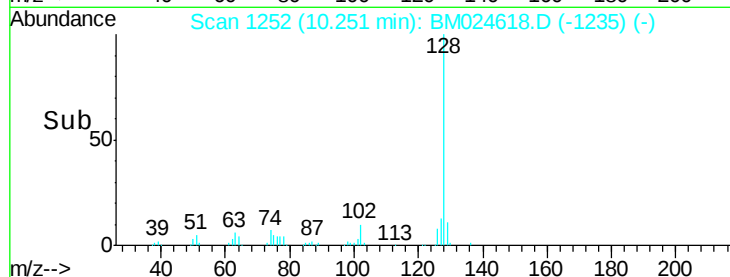
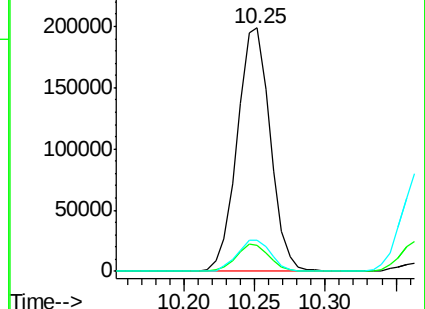
127 13.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.423 ng

RT: 9.49 min Scan# 1123

Delta R.T. -0.08 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

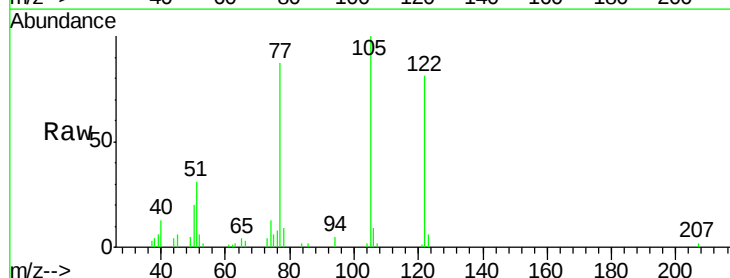
Tgt Ion:122 Resp: 33091

Ion Ratio Lower Upper

122 100

105 122.9 107.7 147.7

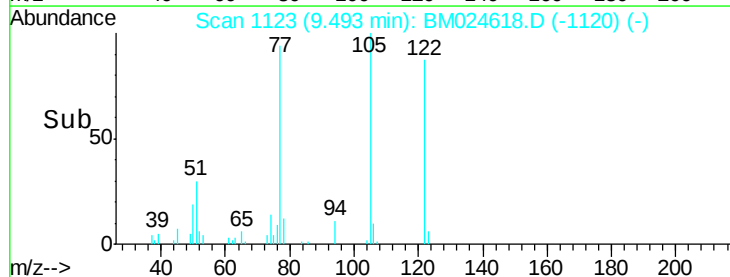
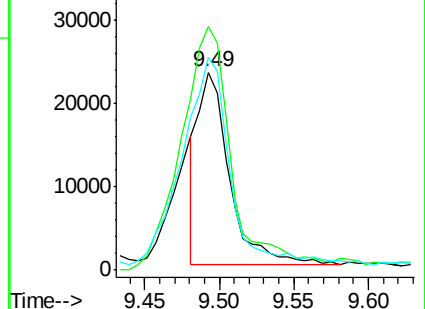
77 107.2 83.8 123.8

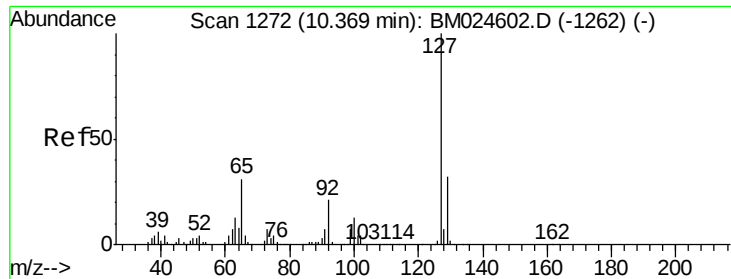


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

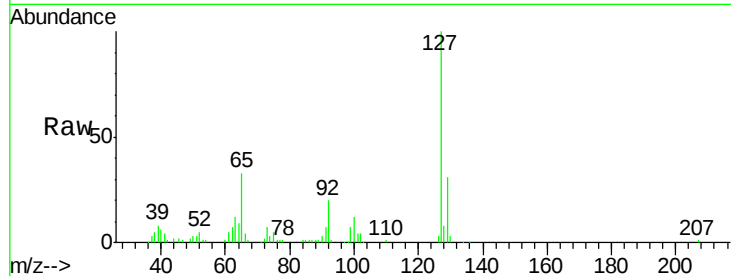




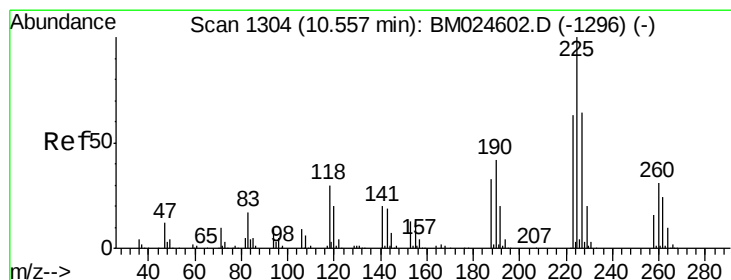
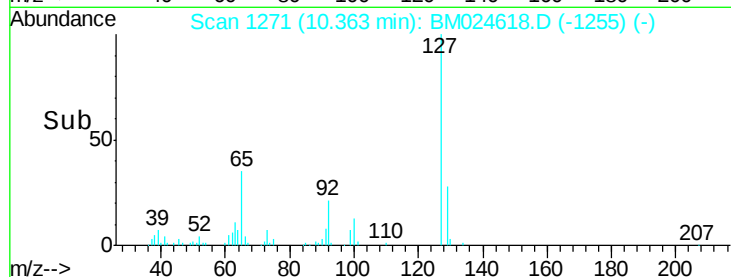
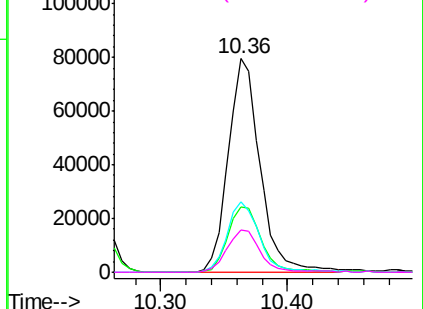
#33
4-Chloroaniline
Concen: 7.269 ng
RT: 10.36 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	127	Resp:	138341
Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.9	38.9
65	32.7	25.1	37.7
92	20.1	16.6	25.0

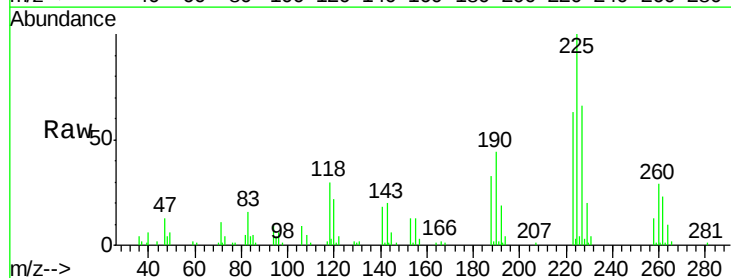


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

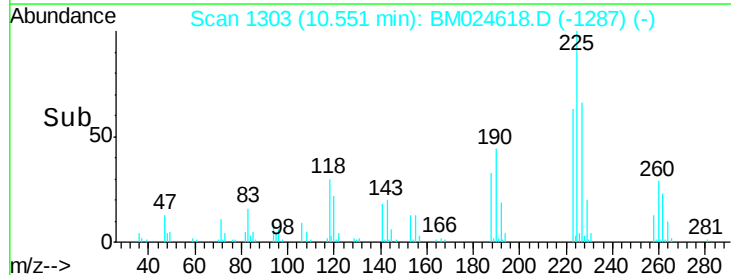
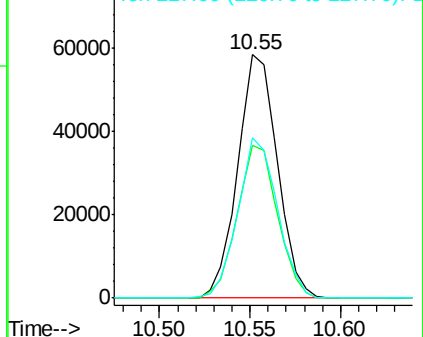


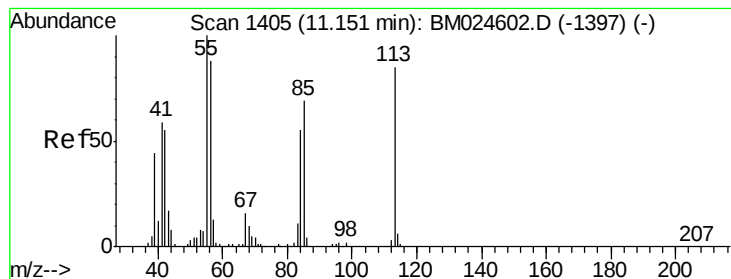
#34
Hexachlorobutadiene
Concen: 7.464 ng
RT: 10.55 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:	225	Resp:	88858
Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.7	76.1
227	65.9	51.4	77.0



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 6.957 ng

RT: 11.12 min Scan# 1400

Delta R.T. -0.03 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

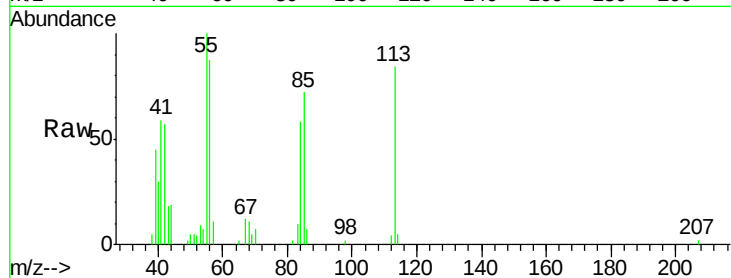
Tot Ion:113 Resp: 31872

Ion Ratio Lower Upper

113 100

55 118.4 97.5 137.5

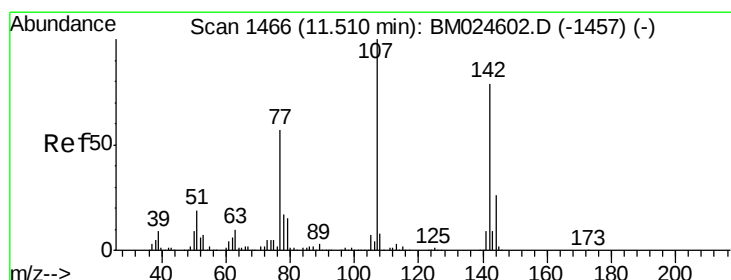
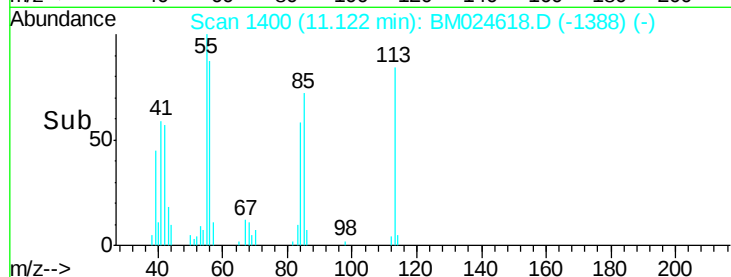
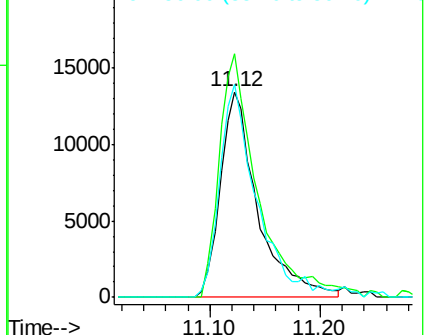
56 103.4 83.4 123.4



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: 6.929 ng

RT: 11.50 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

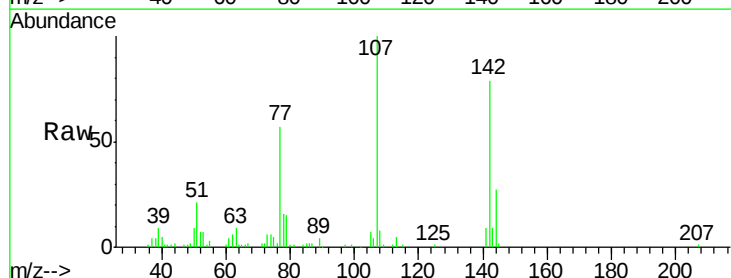
Tgt Ion:107 Resp: 105210

Ion Ratio Lower Upper

107 100

144 27.2 20.5 30.7

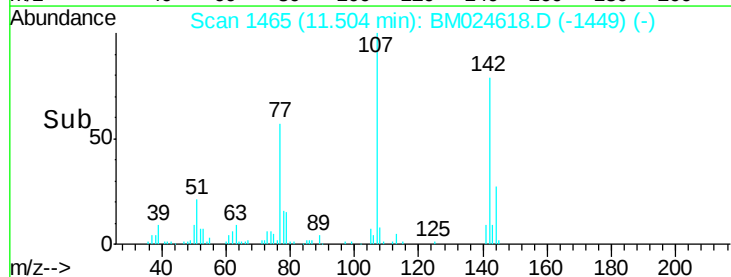
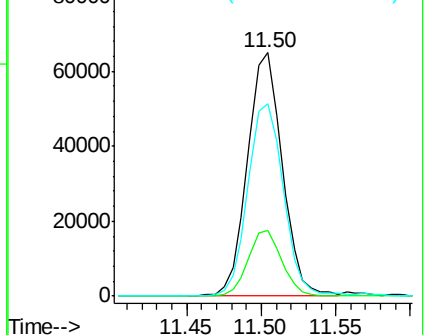
142 79.2 62.8 94.2

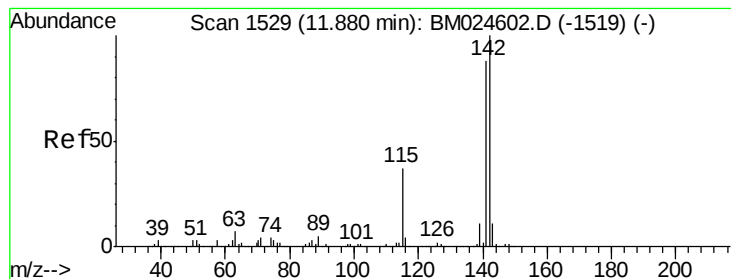


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

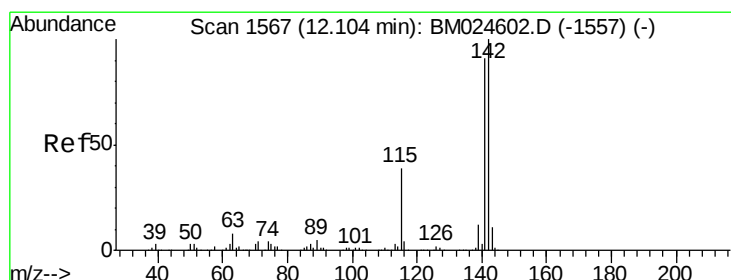
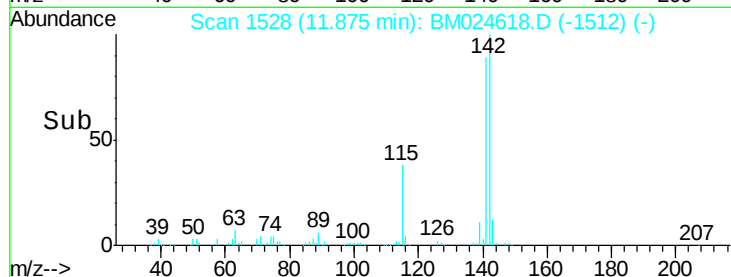
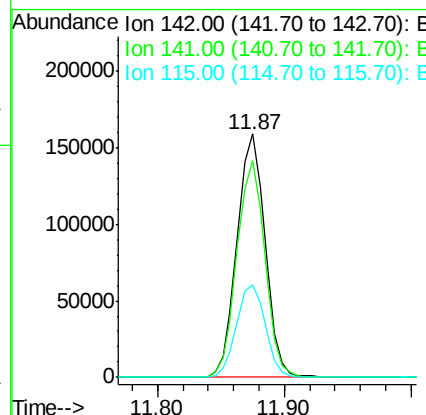
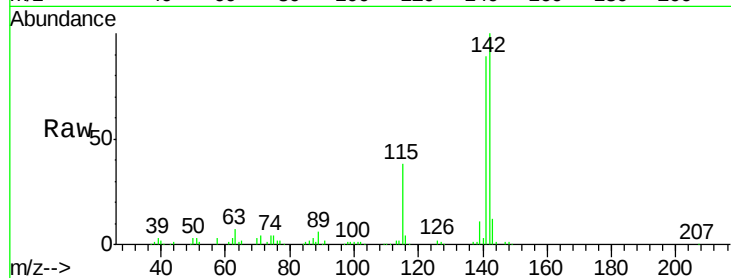




#37
2-Methylnaphthalene
Concen: 7.293 ng
RT: 11.87 min Scan# 1528
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

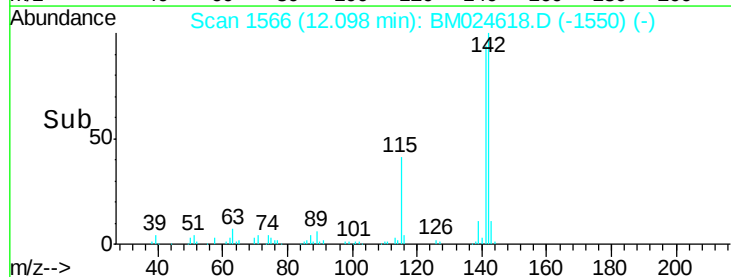
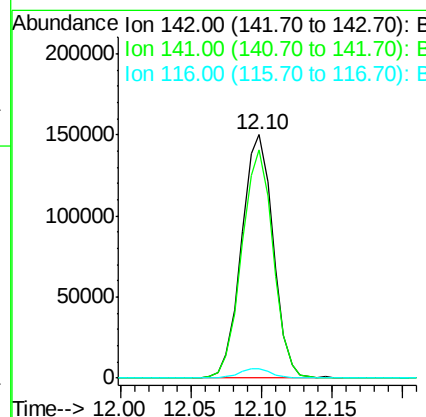
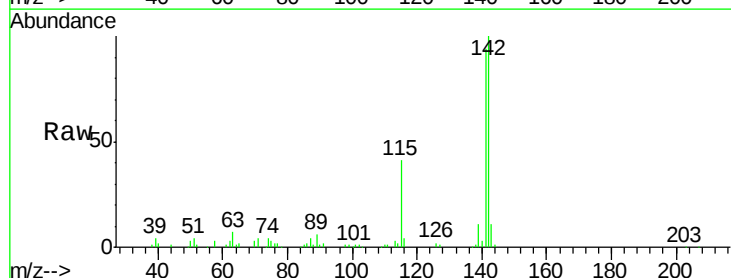
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

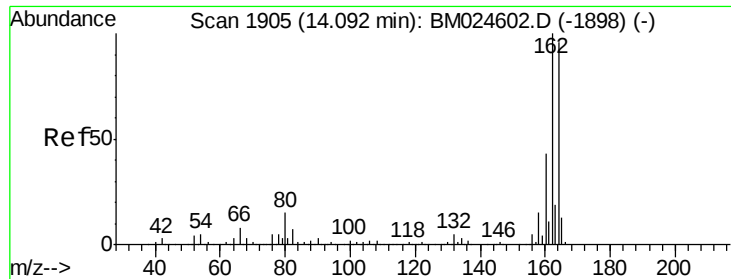
Tot Ion:142 Resp: 244341
Ion Ratio Lower Upper
142 100
141 89.1 70.2 105.2
115 37.9 29.7 44.5



#38
1-Methylnaphthalene
Concen: 7.384 ng
RT: 12.10 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:142 Resp: 235344
Ion Ratio Lower Upper
142 100
141 93.9 72.8 109.2
116 3.7 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.09 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

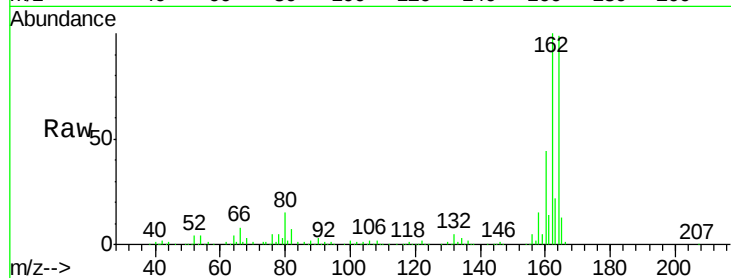
Tot Ion:164 Resp: 611590

Ion Ratio Lower Upper

164 100

162 100.9 82.9 124.3

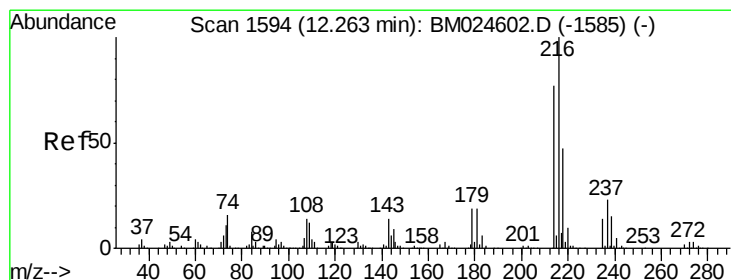
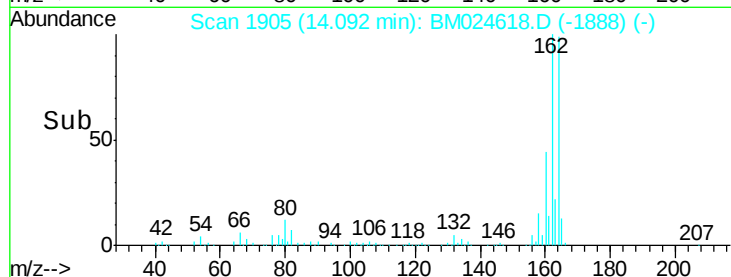
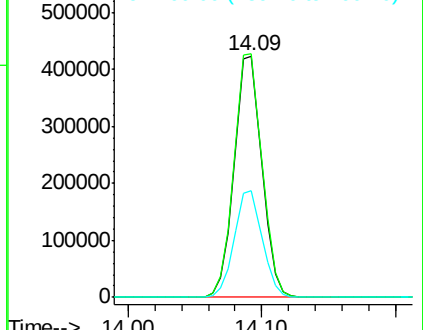
160 44.3 35.5 53.3



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: 7.338 ng

RT: 12.26 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Tgt Ion:216 Resp: 160182

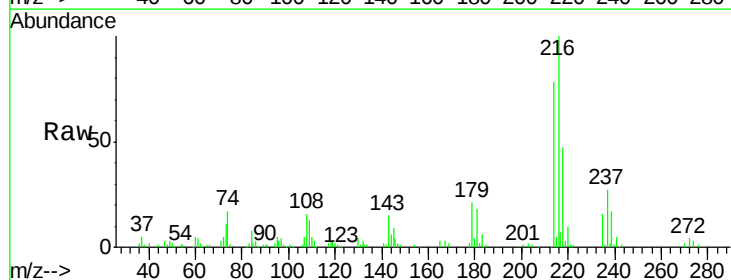
Ion Ratio Lower Upper

216 100

214 78.3 62.3 93.5

179 19.7 16.1 24.1

108 16.8 13.0 19.6

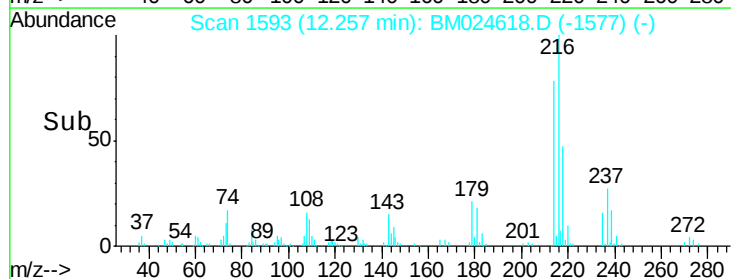
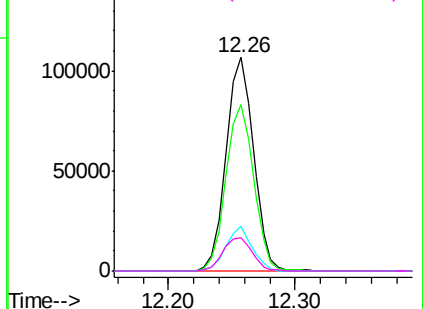


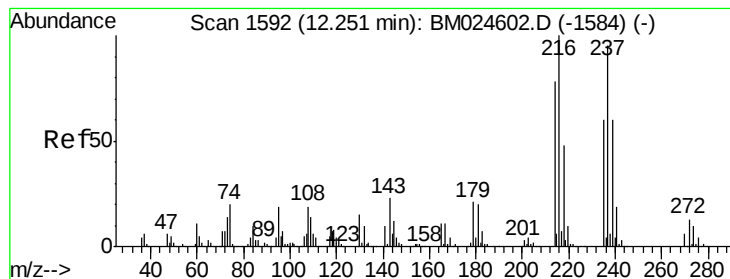
Abundance Ion 216.00 (215.70 to 216.70): E

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: 6.823 ng

RT: 12.25 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

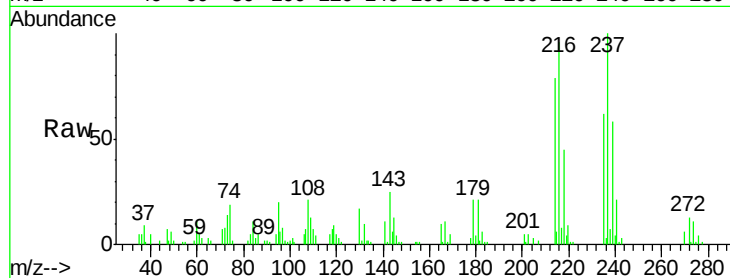
Tot Ion:237 Resp: 83476

Ion Ratio Lower Upper

237 100

235 62.5 43.3 83.3

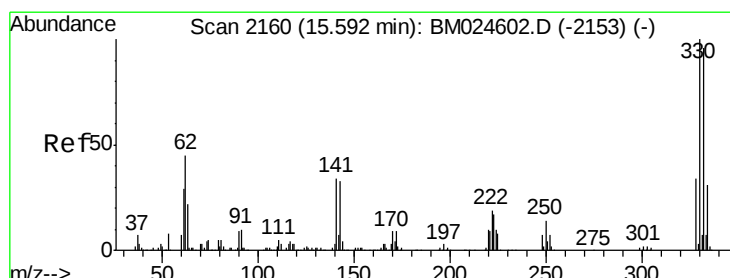
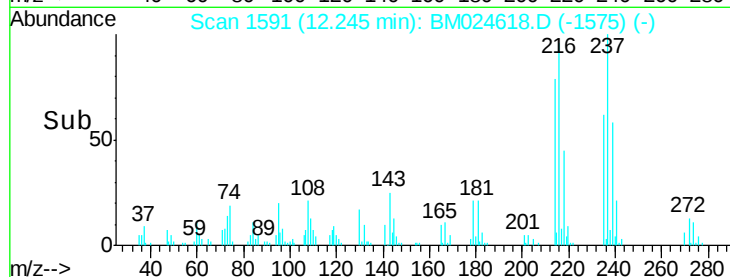
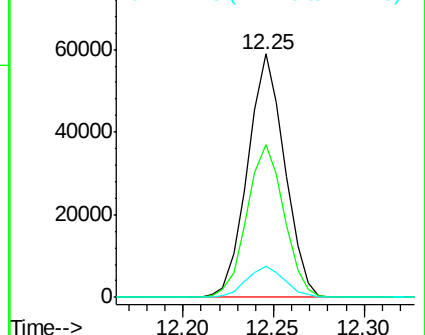
272 12.8 0.0 33.4



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: 126.057 ng

RT: 15.59 min Scan# 2160

Delta R.T. 0.00 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

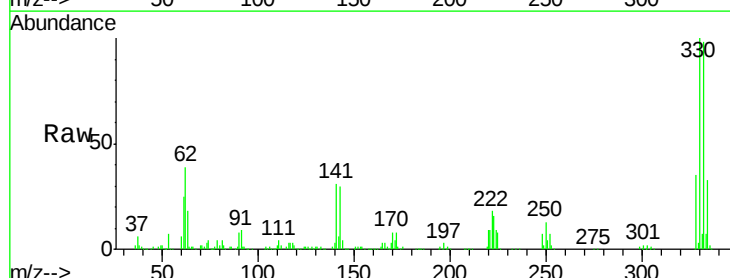
Tgt Ion:330 Resp: 1254071

Ion Ratio Lower Upper

330 100

332 96.8 77.2 115.8

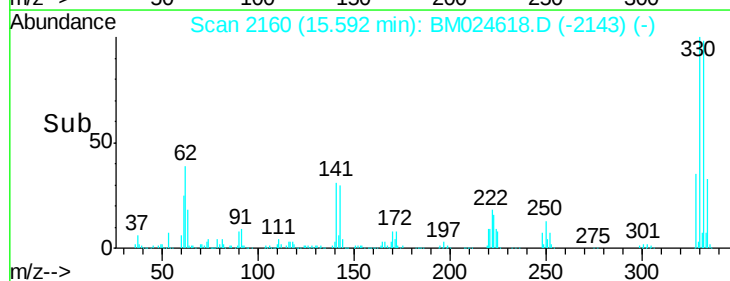
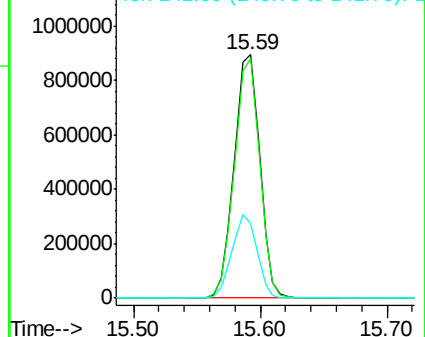
141 33.6 26.9 40.3

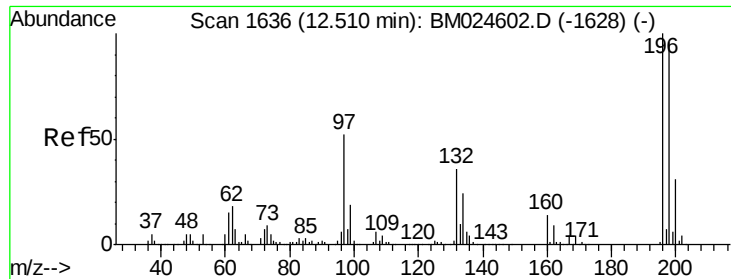


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

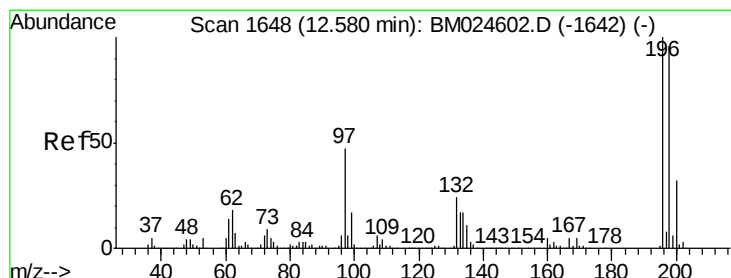
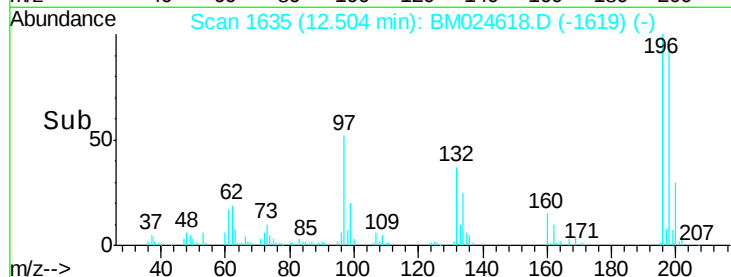
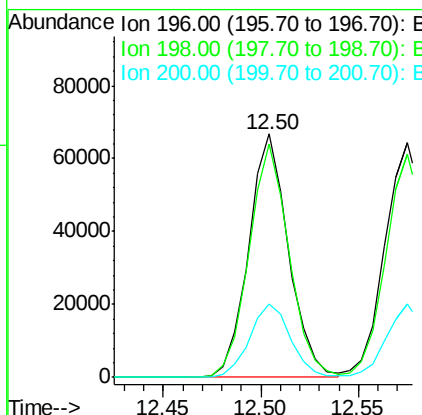
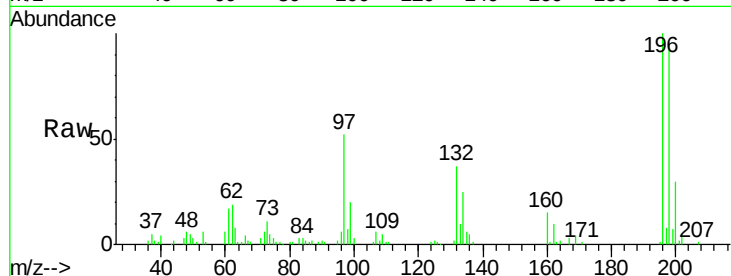




#43
 2,4,6-Trichlorophenol
 Concen: 6.783 ng
 RT: 12.50 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

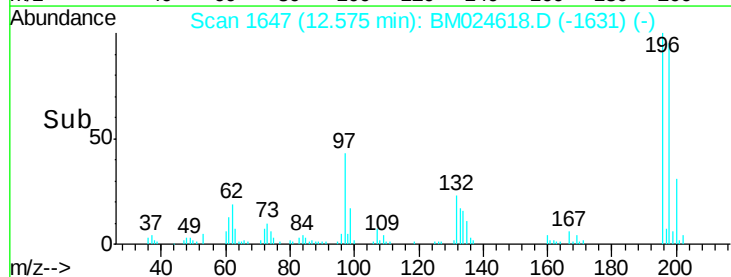
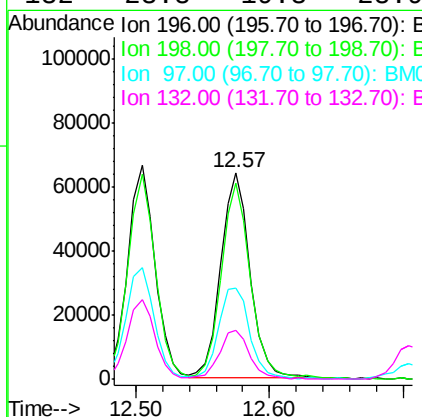
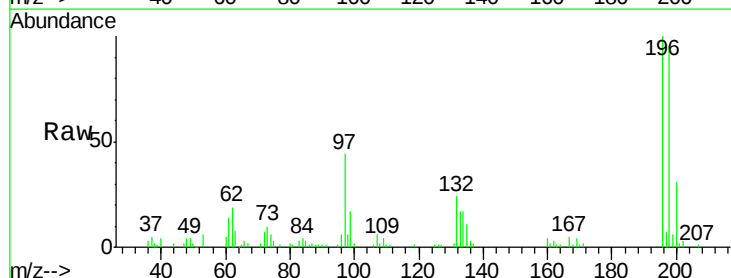
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

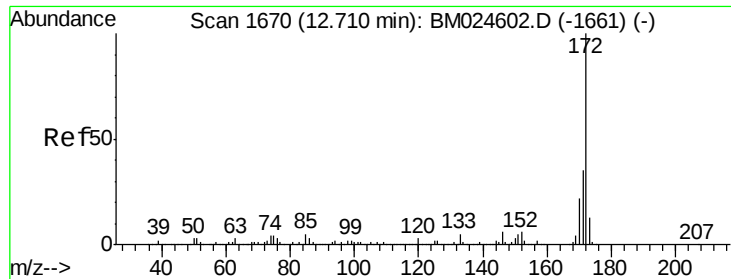
Tot Ion:196 Resp: 94211
 Ion Ratio Lower Upper
 196 100
 198 95.7 76.5 114.7
 200 30.1 25.0 37.6



#44
 2,4,5-Trichlorophenol
 Concen: 6.990 ng
 RT: 12.57 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion:196 Resp: 99159
 Ion Ratio Lower Upper
 196 100
 198 95.2 77.2 115.8
 97 44.3 37.4 56.0
 132 23.8 19.3 28.9

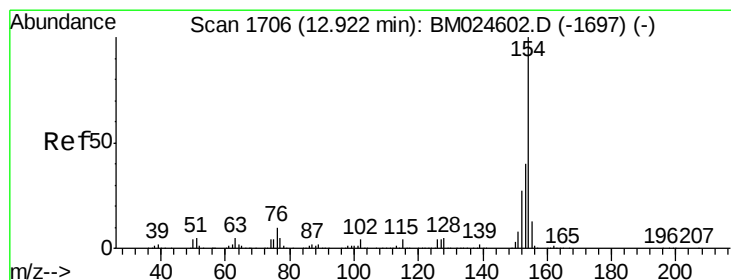
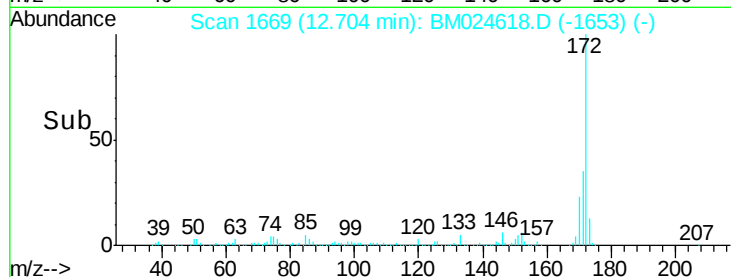
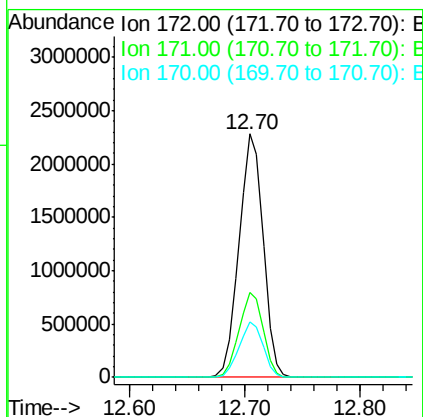
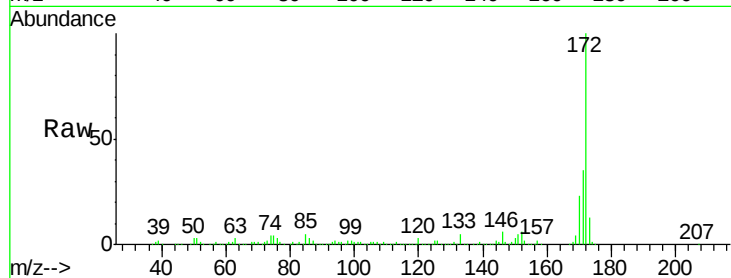




#45
2-Fluorobiphenyl
Concen: 73.335 ng
RT: 12.70 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

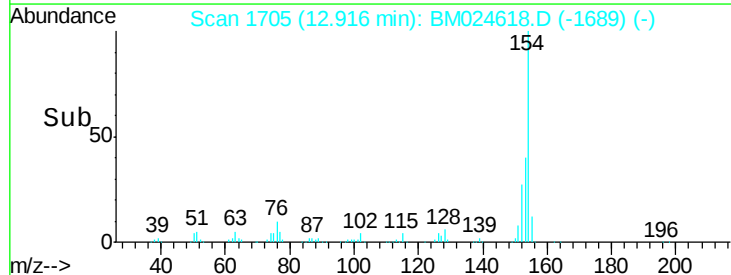
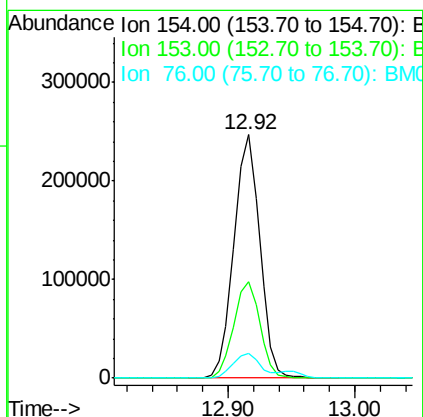
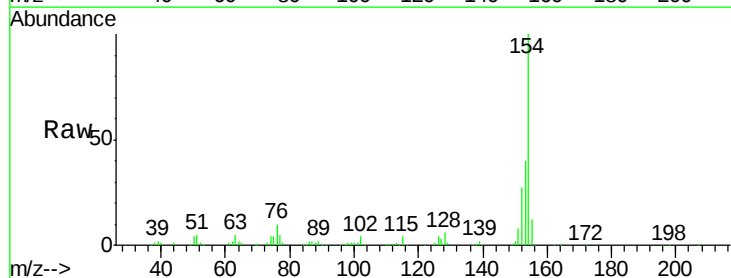
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

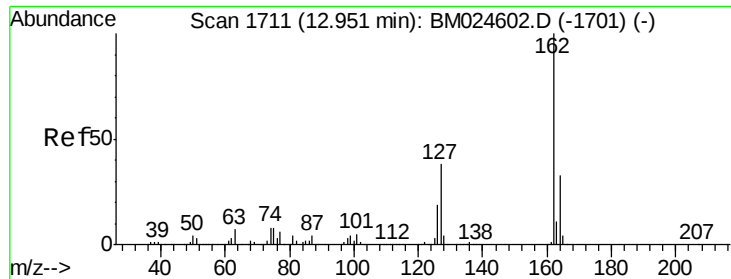
Tot Ion:172 Resp: 3299083
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 22.8 17.9 26.9



#46
1,1'-Biphenyl
Concen: 7.547 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:154 Resp: 349295
Ion Ratio Lower Upper
154 100
153 39.6 20.3 60.3
76 10.3 0.0 30.5

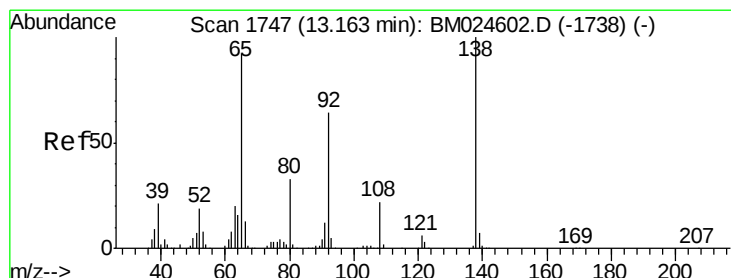
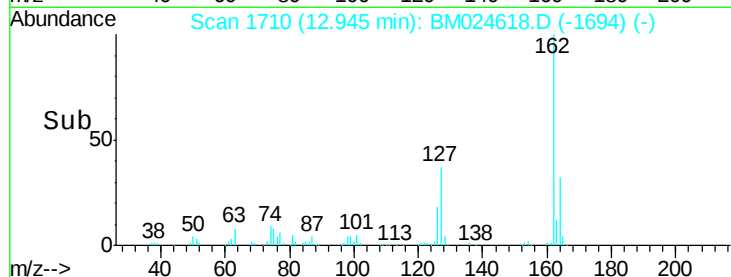
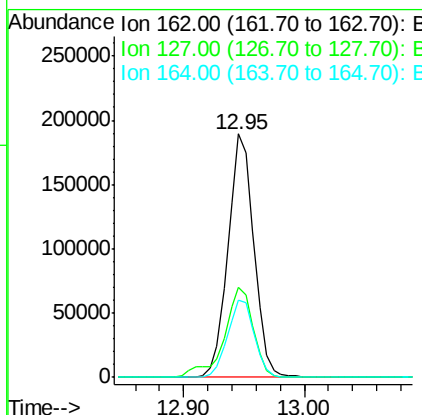
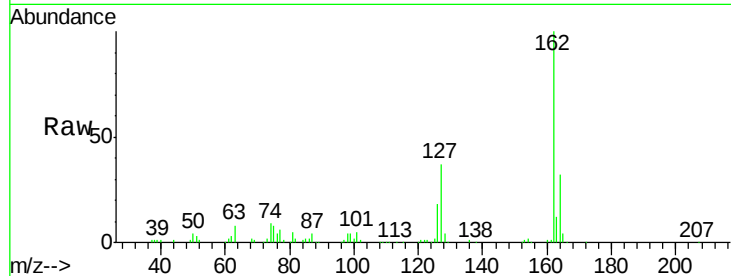




#47
2-Chloronaphthalene
Concen: 7.531 ng
RT: 12.95 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

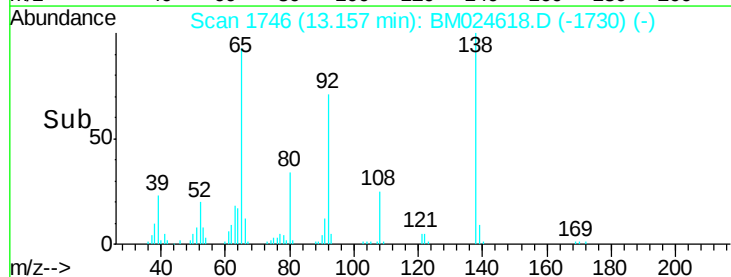
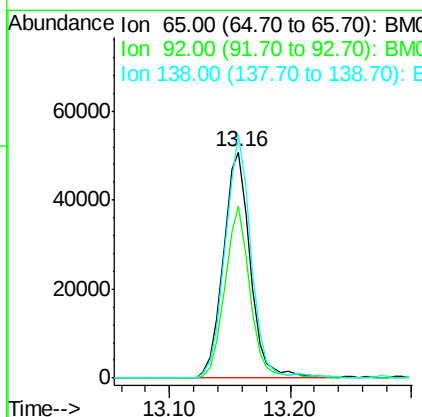
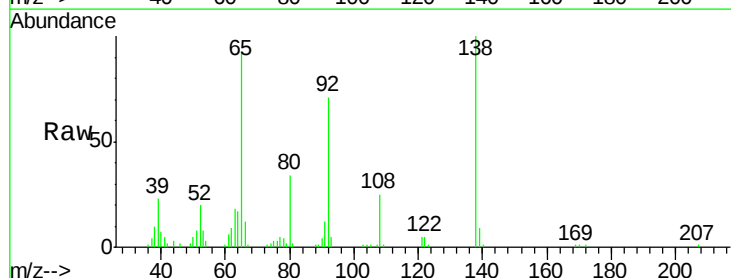
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

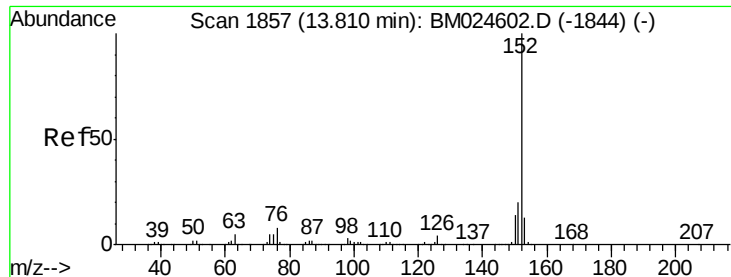
Tot Ion	Ratio	Lower	Upper
162	100		
127	36.7	30.4	45.6
164	31.6	26.5	39.7



#48
2-Nitroaniline
Concen: 6.875 ng
RT: 13.16 min Scan# 1746
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.9	55.4	83.2
138	107.6	86.6	129.8





#49

Acenaphthylene

Concen: 7.492 ng

RT: 13.80 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

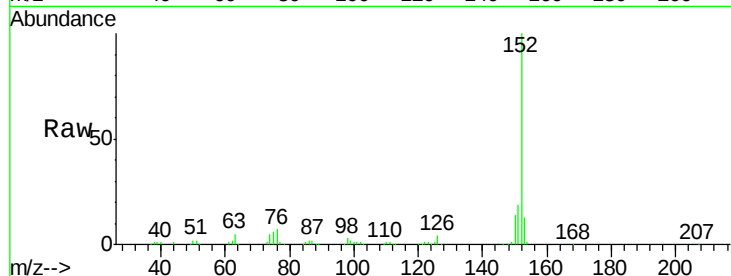
Tot Ion:152 Resp: 419044

Ion Ratio Lower Upper

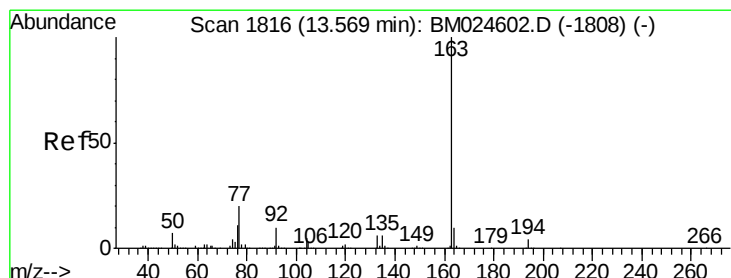
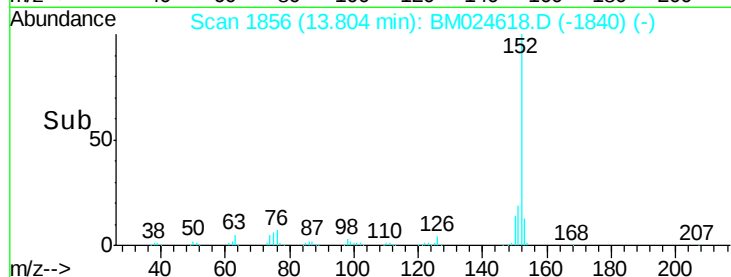
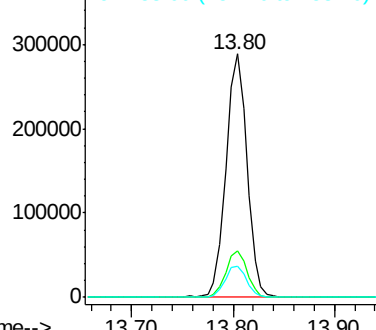
152 100

151 19.3 15.8 23.6

153 12.9 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.573 ng

RT: 13.56 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

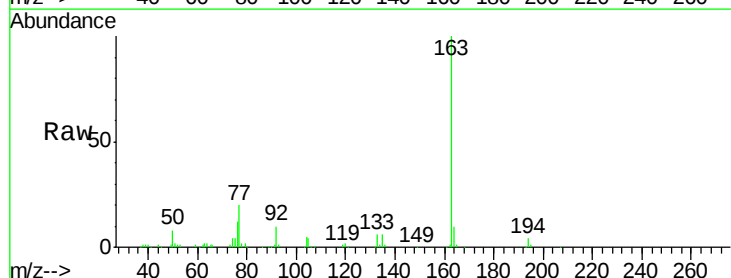
Tgt Ion:163 Resp: 374538

Ion Ratio Lower Upper

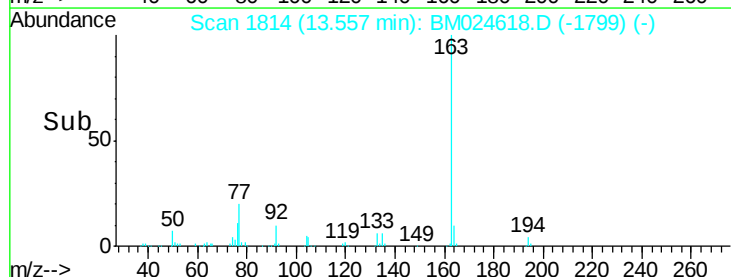
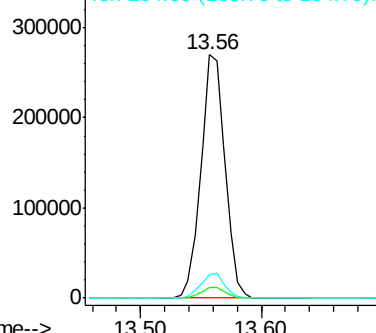
163 100

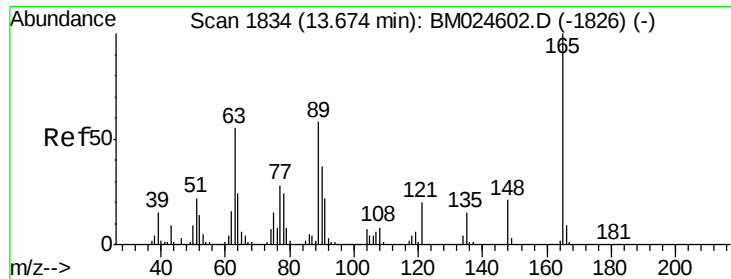
194 4.4 3.4 5.0

164 9.8 8.0 12.0



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: 7.129 ng

RT: 13.67 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

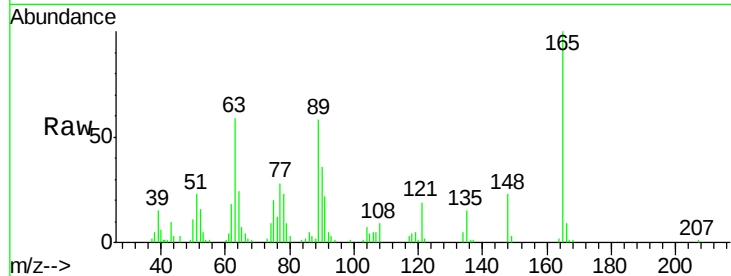
Tot Ion:165 Resp: 74953

Ion Ratio Lower Upper

165 100

63 58.7 45.4 68.0

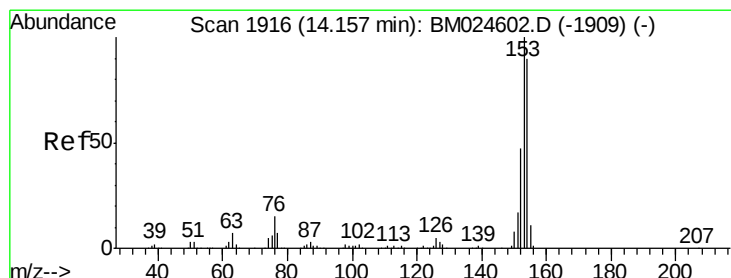
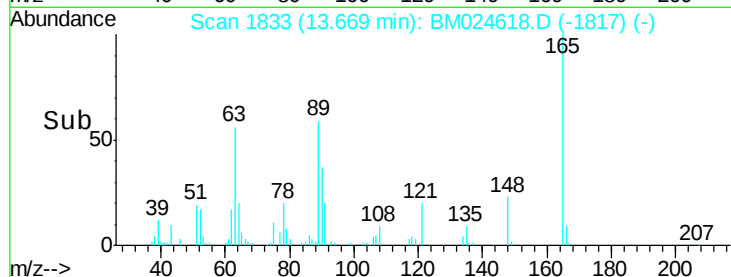
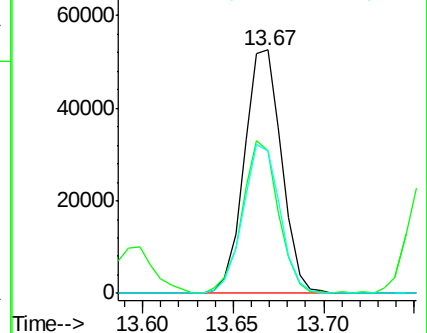
89 58.5 46.6 69.8



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0



#52

Acenaphthene

Concen: 7.358 ng

RT: 14.15 min Scan# 1915

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

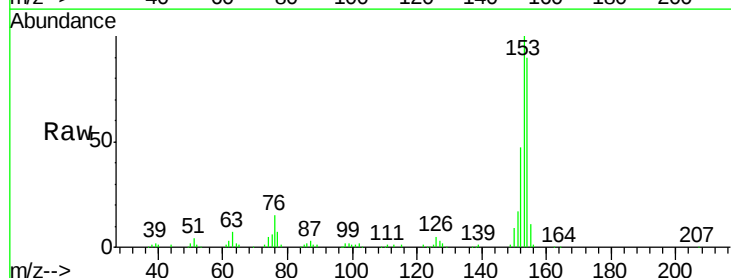
Tgt Ion:154 Resp: 255399

Ion Ratio Lower Upper

154 100

153 111.5 89.1 133.7

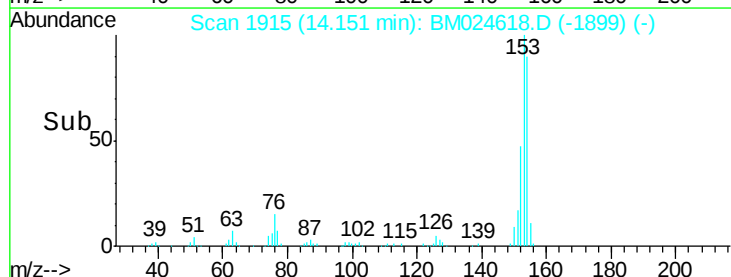
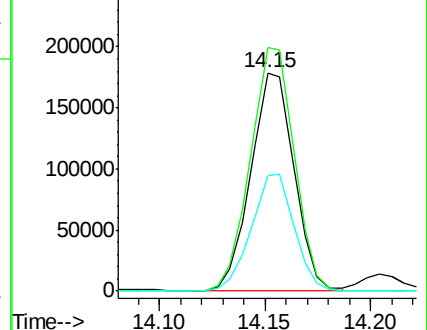
152 52.8 41.9 62.9

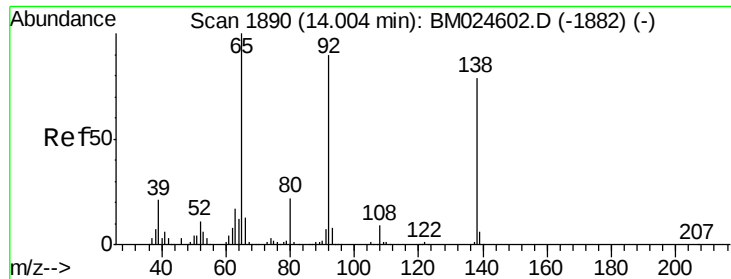


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

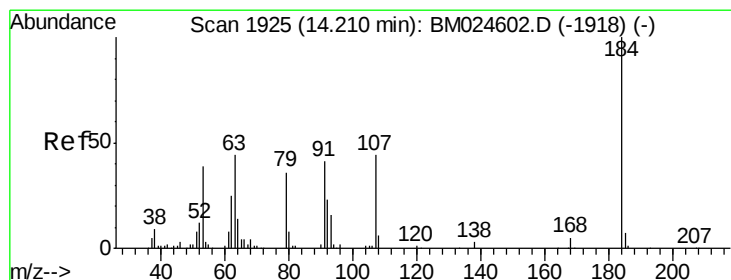
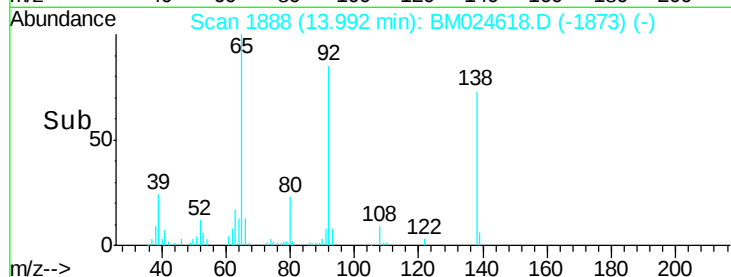
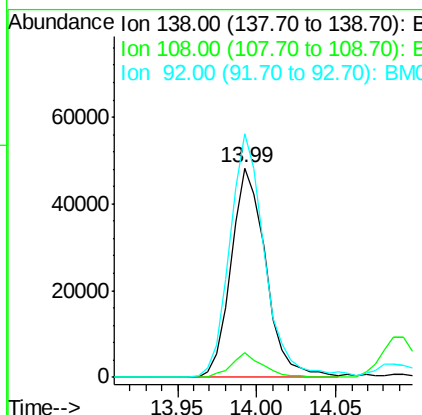
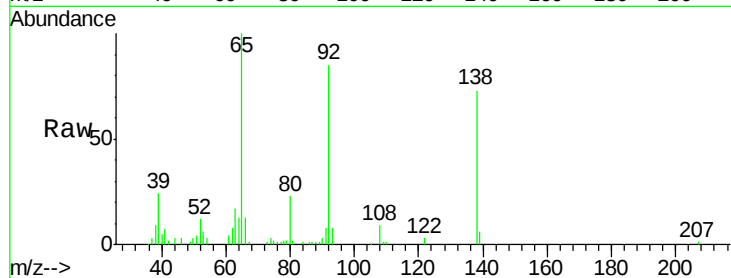




#53
3-Nitroaniline
Concen: 6.731 ng
RT: 13.99 min Scan# 1888
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

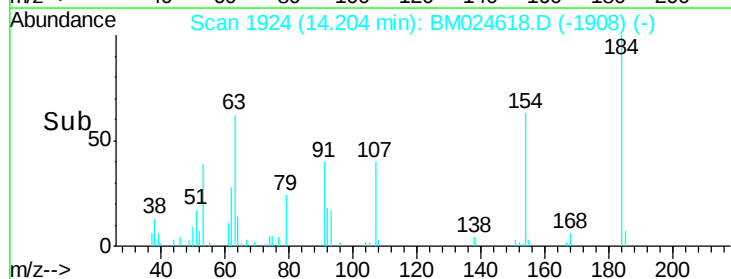
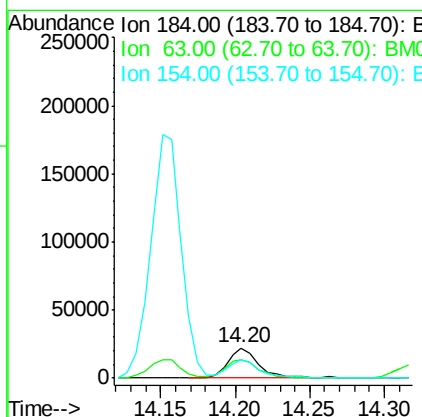
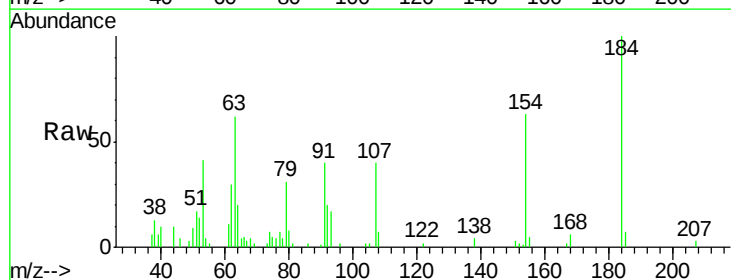
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

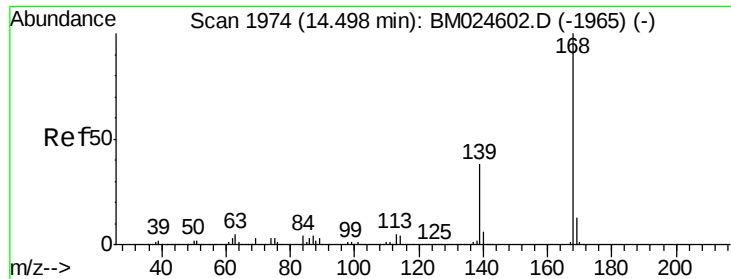
Tot Ion:138 Resp: 73403
Ion Ratio Lower Upper
138 100
108 11.8 8.7 13.1
92 116.4 91.0 136.4



#54
2,4-Dinitrophenol
Concen: 5.141 ng
RT: 14.20 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:184 Resp: 32322
Ion Ratio Lower Upper
184 100
63 61.5 51.8 77.8
154 62.6 50.2 75.4

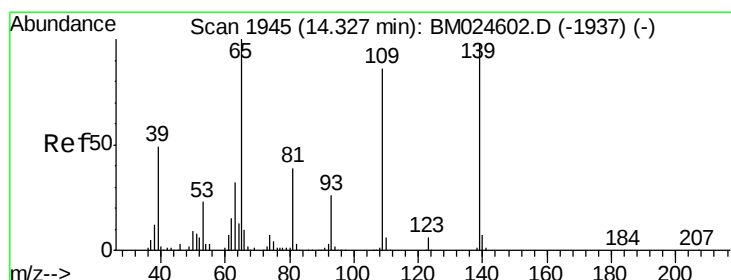
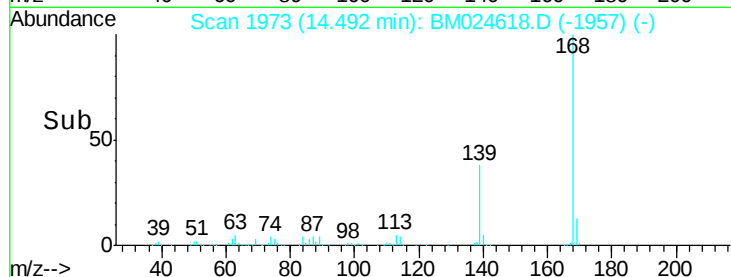
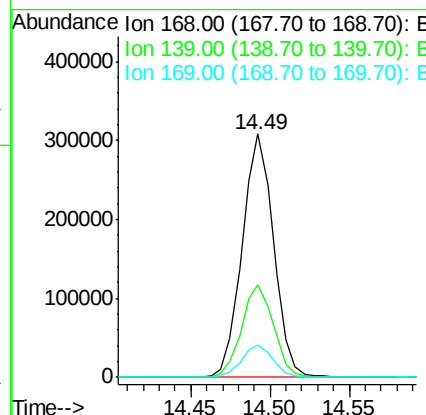
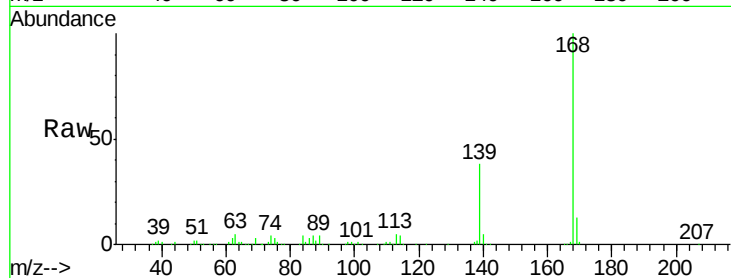




#55
Dibenzofuran
Concen: 7.468 ng
RT: 14.49 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

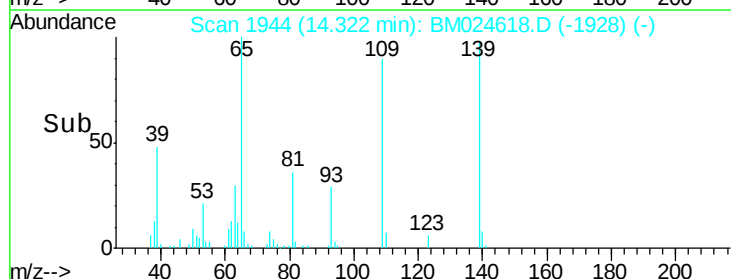
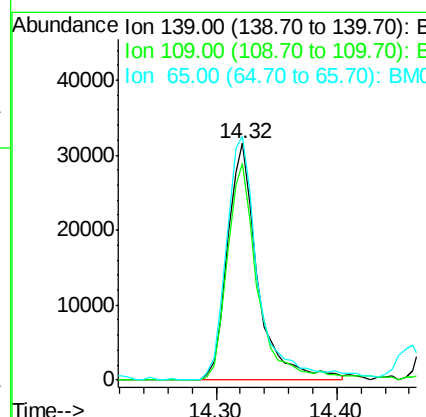
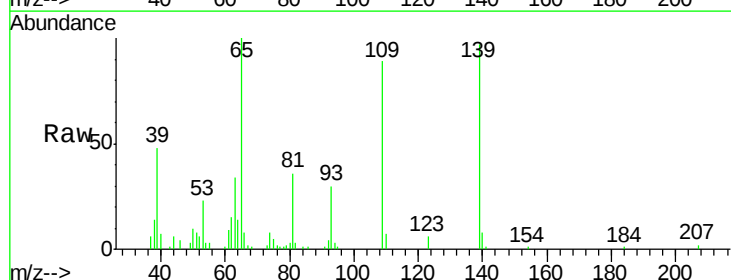
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

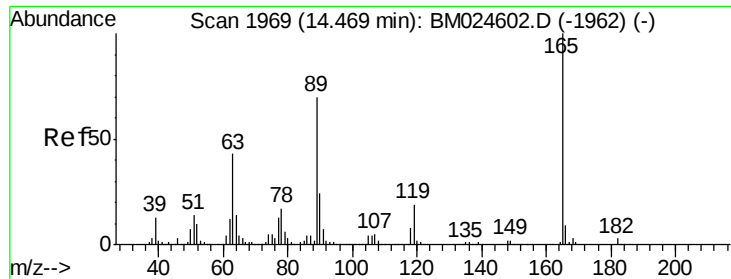
Tot Ion:168 Resp: 422738
Ion Ratio Lower Upper
168 100
139 38.1 30.2 45.4
169 13.2 10.7 16.1



#56
4-Nitrophenol
Concen: 6.423 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:139 Resp: 54752
Ion Ratio Lower Upper
139 100
109 91.6 67.4 107.4
65 102.7 82.1 122.1

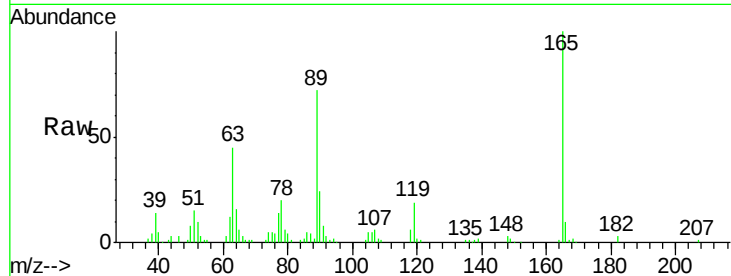




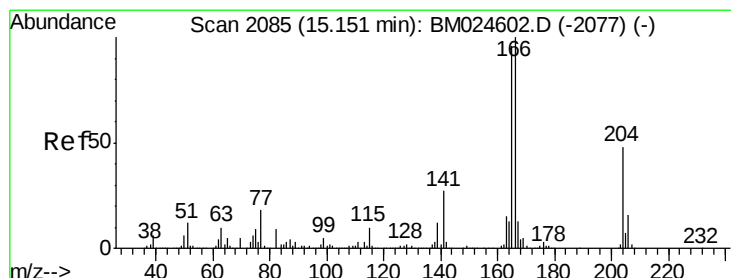
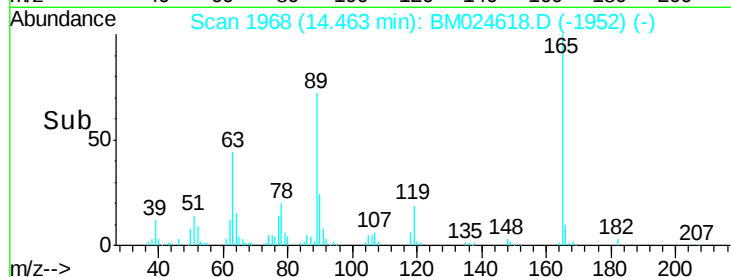
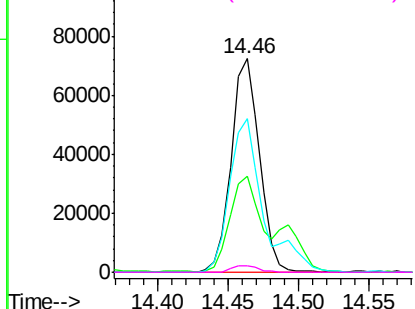
#57
2,4-Dinitrotoluene
Concen: 6.724 ng
RT: 14.46 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:165 Resp: 101323
Ion Ratio Lower Upper
165 100
63 44.9 34.5 51.7
89 71.9 55.8 83.8
182 2.8 2.3 3.5

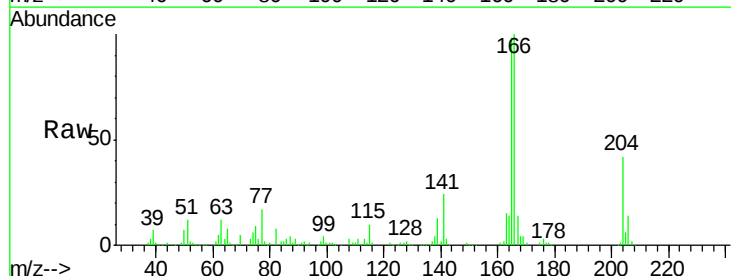


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 89.00 (88.70 to 89.70): BM0
Ion 182.00 (181.70 to 182.70): E

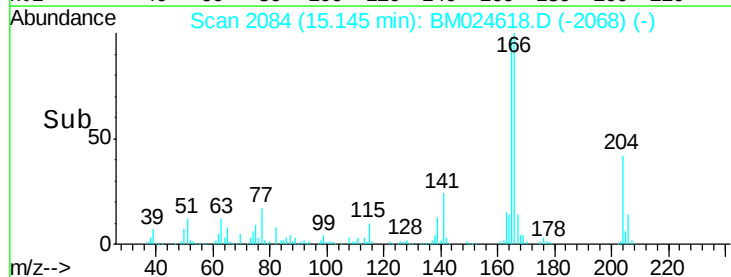
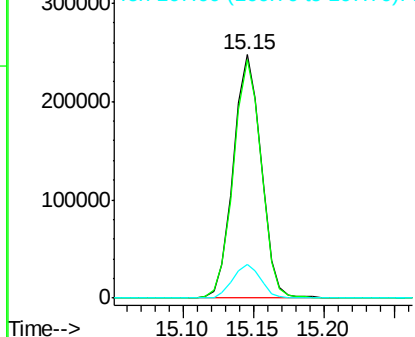


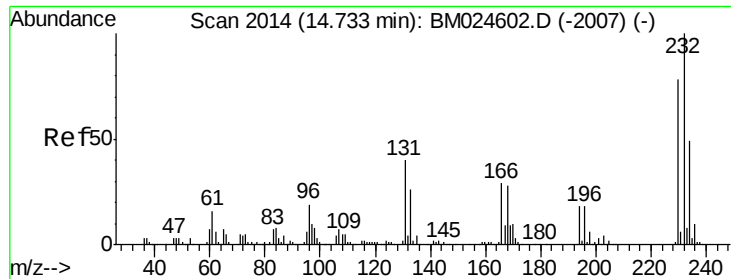
#58
Fluorene
Concen: 7.164 ng
RT: 15.15 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:166 Resp: 340803
Ion Ratio Lower Upper
166 100
165 98.0 76.6 114.8
167 13.7 10.8 16.2



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

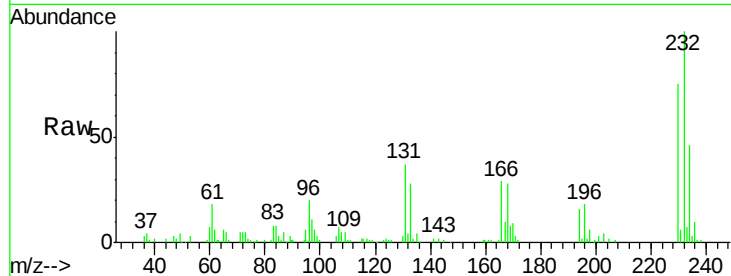




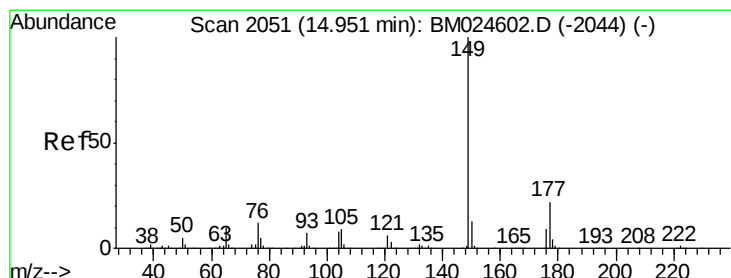
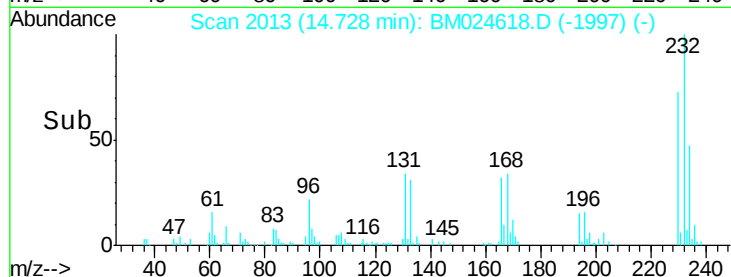
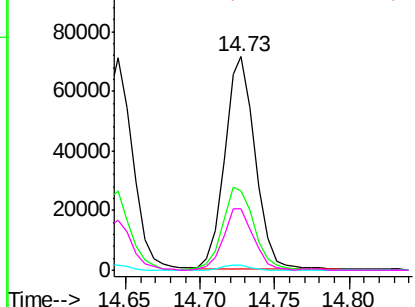
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.085 ng
 RT: 14.73 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion:232 Resp: 101922
 Ion Ratio Lower Upper
 232 100
 131 41.1 32.2 48.4
 130 2.2 1.9 2.9
 166 28.8 23.4 35.0

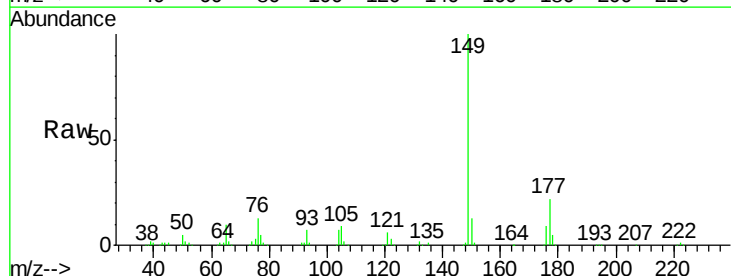


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

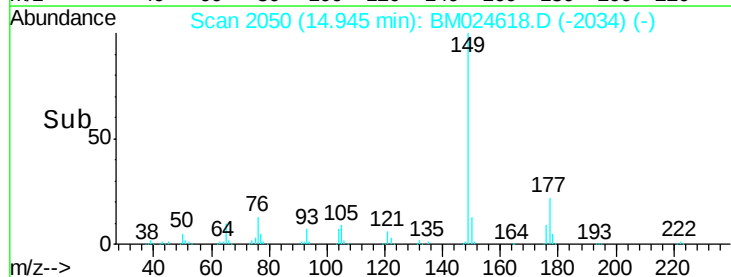
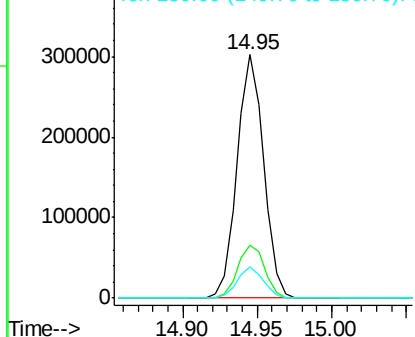


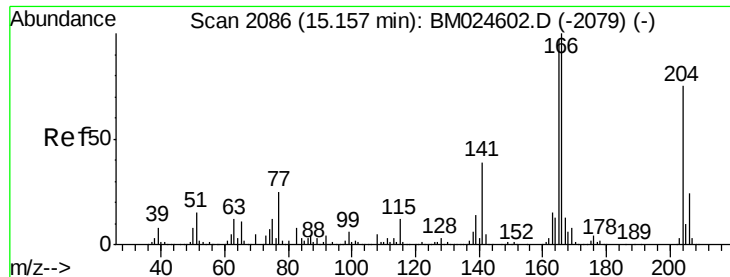
#60
 Diethylphthalate
 Concen: 7.468 ng
 RT: 14.95 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion:149 Resp: 374956
 Ion Ratio Lower Upper
 149 100
 177 22.0 18.0 27.0
 150 12.6 10.2 15.4



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

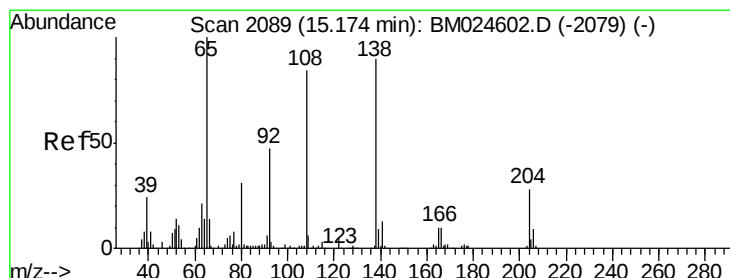
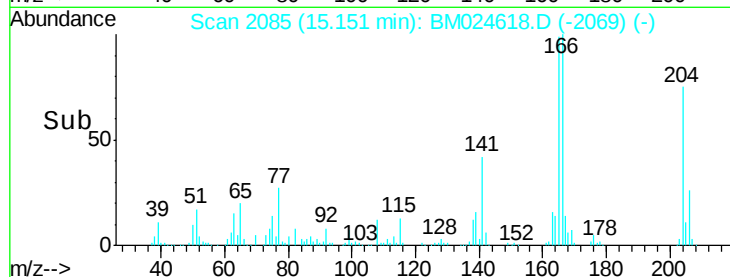
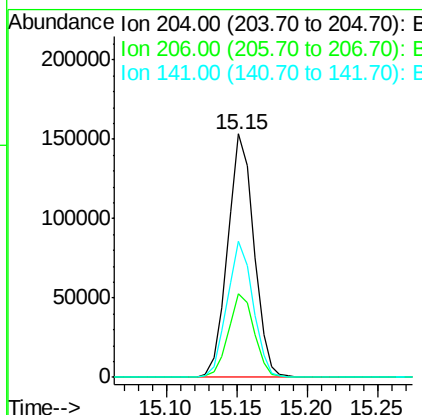
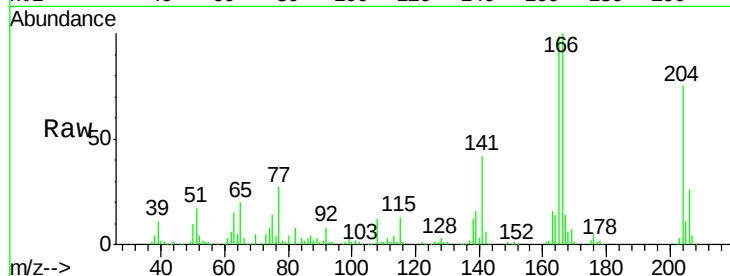




#61
 4-Chlorophenyl-phenylether
 Concen: 7.229 ng
 RT: 15.15 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

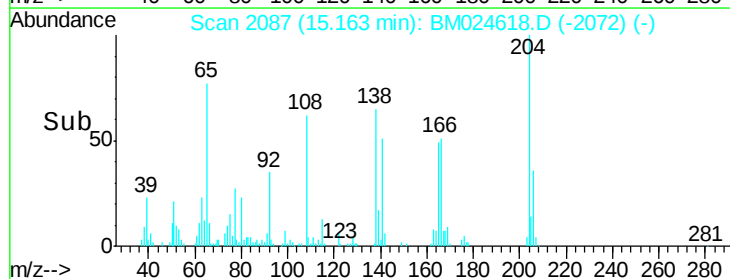
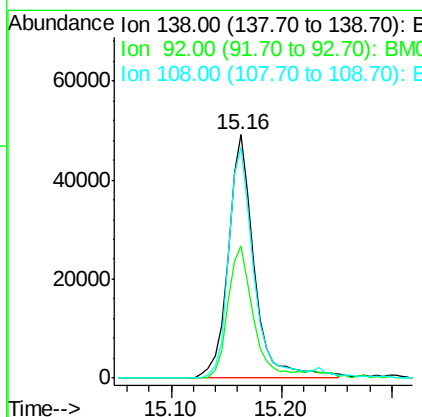
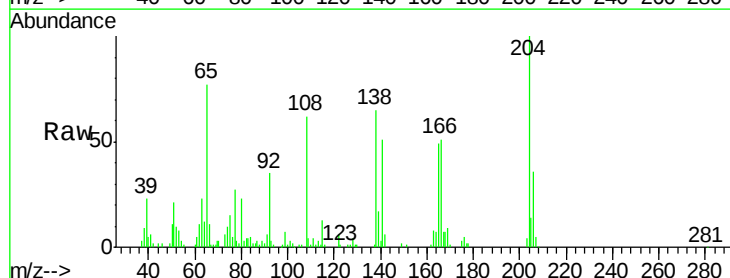
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

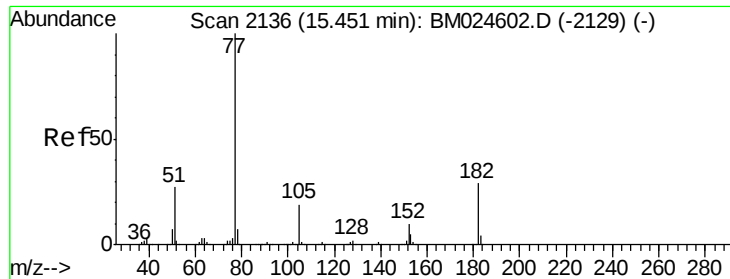
Tot Ion	Ratio	Lower	Upper
204	100		
206	34.2	26.2	39.2
141	55.8	42.2	63.2



#62
 4-Nitroaniline
 Concen: 6.742 ng
 RT: 15.16 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
138	100		
92	54.1	32.4	72.4
108	94.8	73.3	113.3

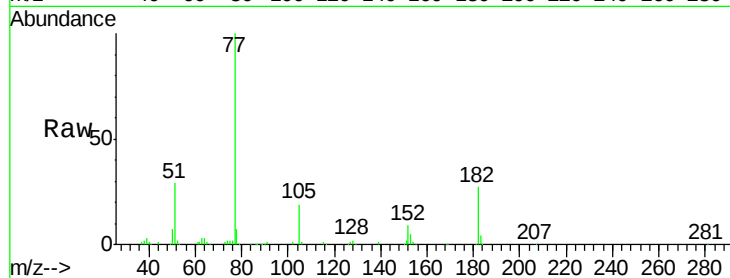




#63
Azobenzene
Concen: 7.504 ng
RT: 15.45 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	77	Resp:	321353
Ion	Ratio	Lower	Upper
77	100		
182	27.2	8.7	48.7
105	18.6	0.0	39.2
51	29.0	7.5	47.5

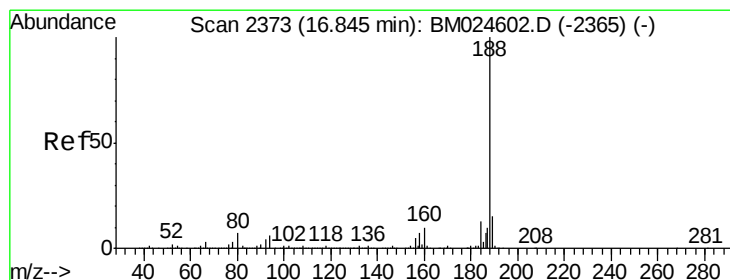
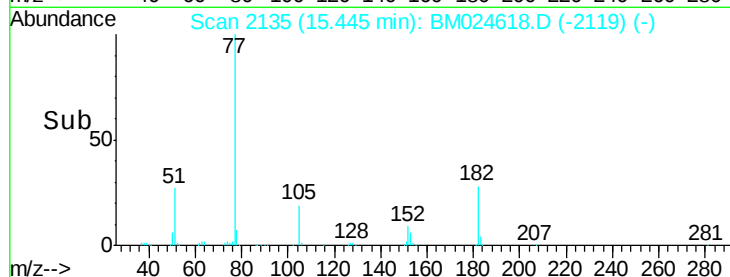
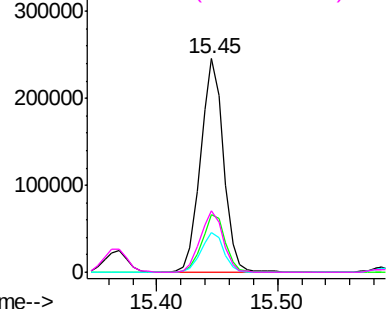


Abundance Ion 77.00 (76.70 to 77.70): BM024618.D (-2129) (-)

Ion 182.00 (181.70 to 182.70): BM024618.D (-2129) (-)

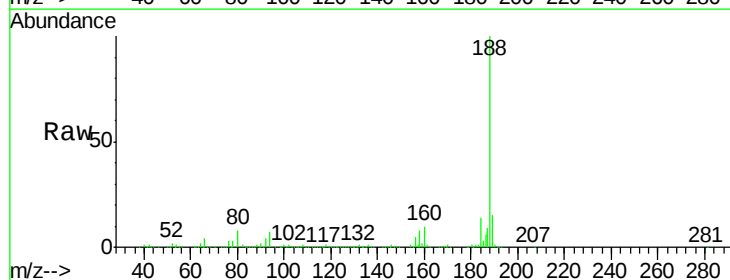
Ion 105.00 (104.70 to 105.70): BM024618.D (-2129) (-)

Ion 51.00 (50.70 to 51.70): BM024618.D (-2129) (-)



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

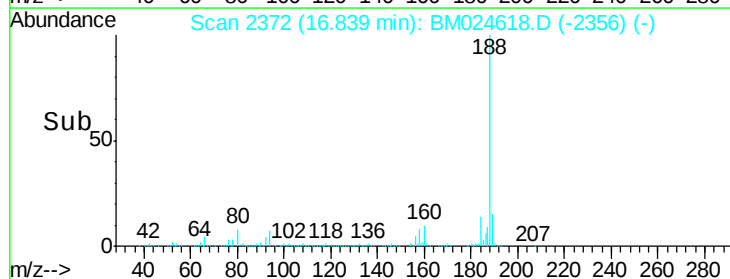
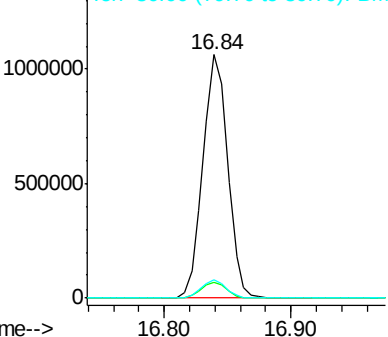
Tgt Ion:	188	Resp:	1437447
Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.0	7.6
80	7.6	5.8	8.8

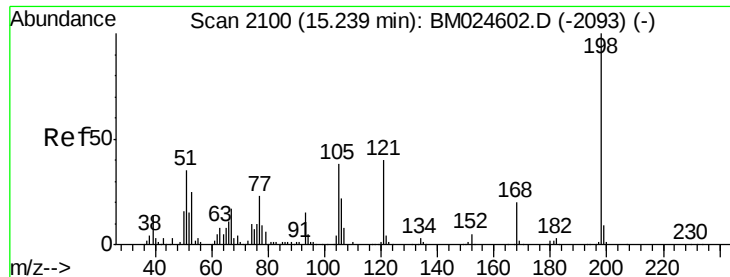


Abundance Ion 188.00 (187.70 to 188.70): BM024618.D (-2365) (-)

Ion 94.00 (93.70 to 94.70): BM024618.D (-2365) (-)

Ion 80.00 (79.70 to 80.70): BM024618.D (-2365) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 5.681 ng

RT: 15.23 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

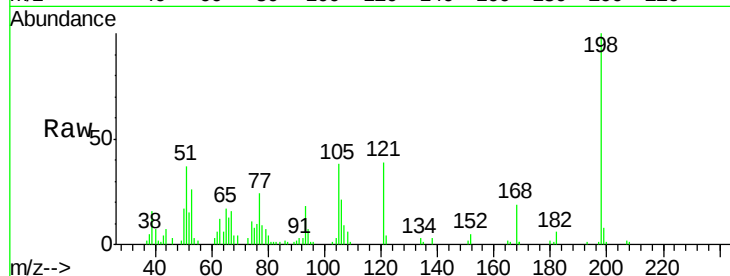
Tot Ion:198 Resp: 48016

Ion Ratio Lower Upper

198 100

51 36.8 15.8 55.8

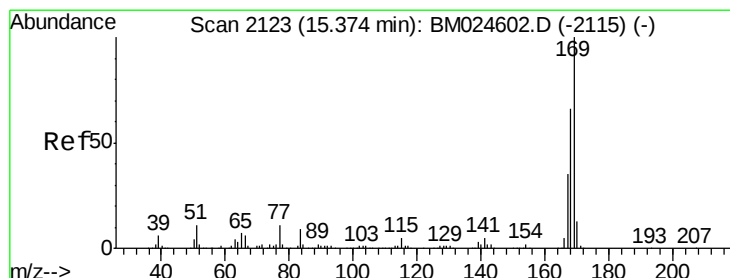
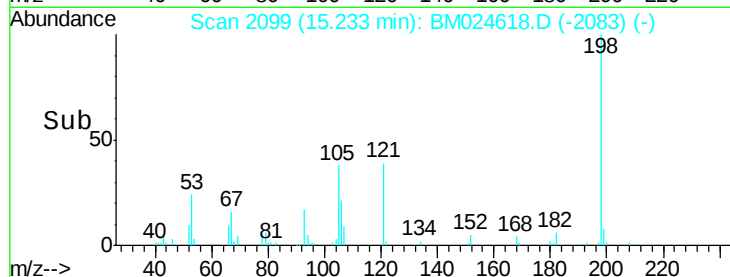
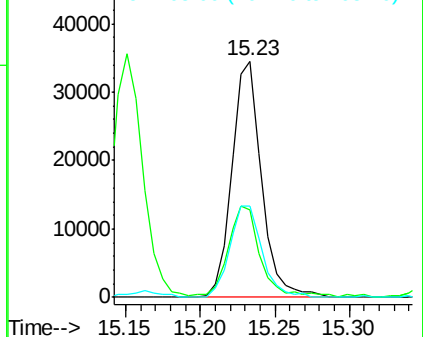
105 38.4 18.5 58.5



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: 7.254 ng

RT: 15.37 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

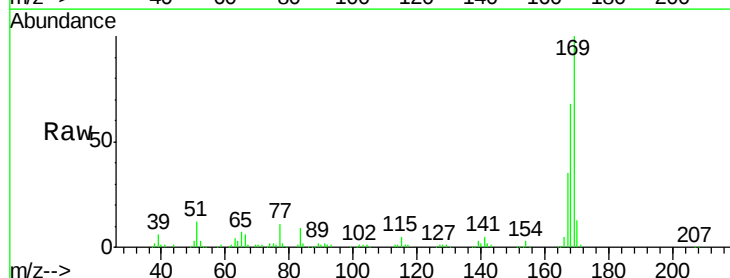
Tgt Ion:169 Resp: 299503

Ion Ratio Lower Upper

169 100

168 67.9 52.8 79.2

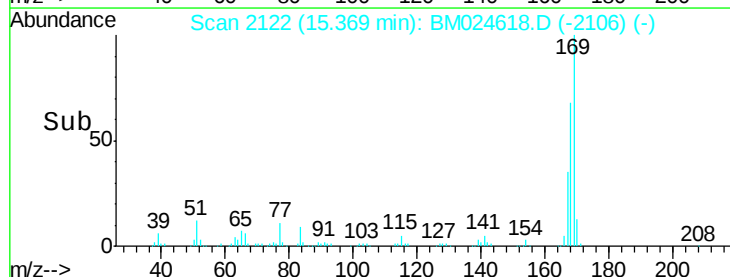
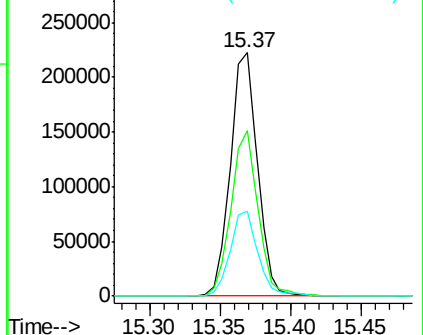
167 34.7 28.2 42.2

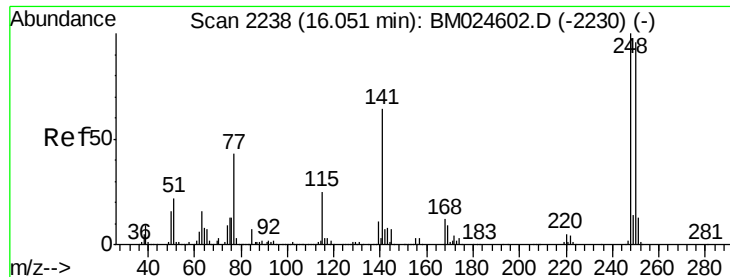


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

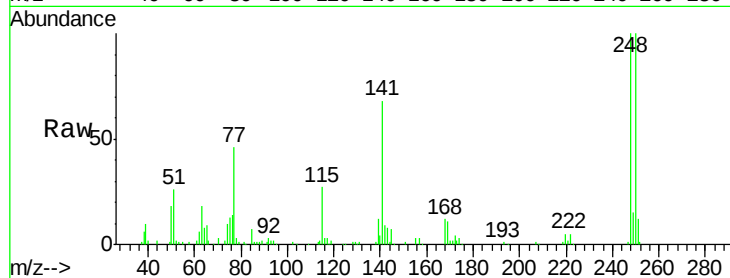




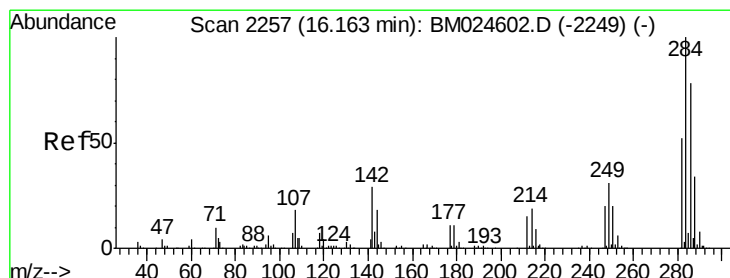
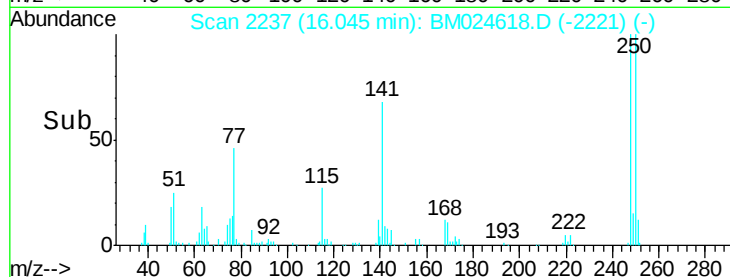
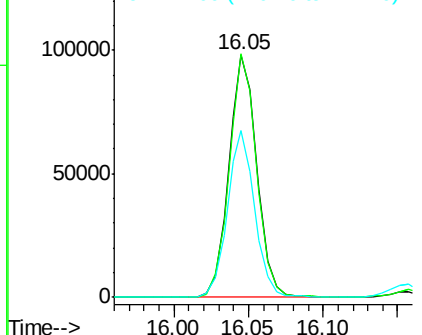
#67
4-Bromophenyl-phenylether
Concen: 7.165 ng
RT: 16.05 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:248 Resp: 128082
Ion Ratio Lower Upper
248 100
250 100.4 77.0 115.6
141 68.6 50.9 76.3

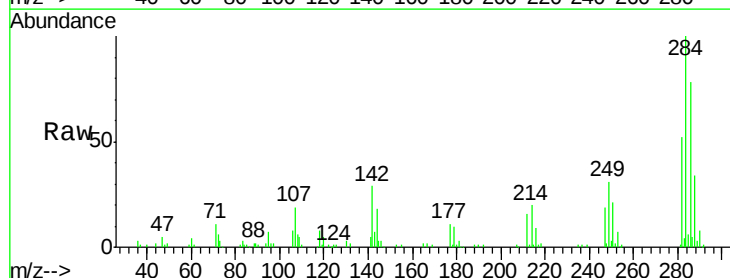


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

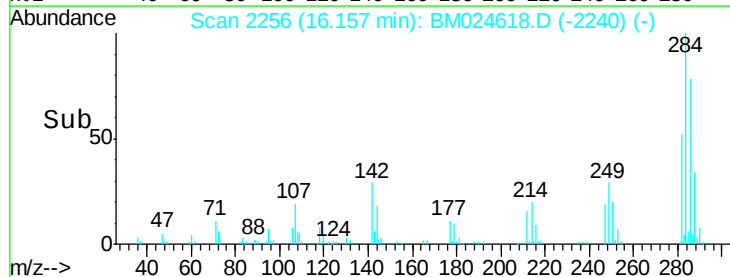
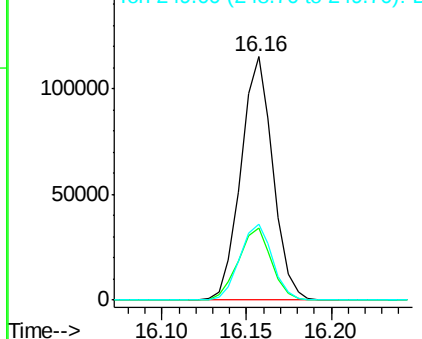


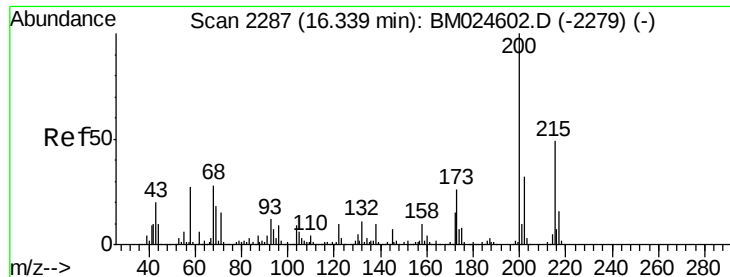
#68
Hexachlorobenzene
Concen: 7.408 ng
RT: 16.16 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:284 Resp: 151972
Ion Ratio Lower Upper
284 100
142 29.4 23.5 35.3
249 31.3 24.6 36.8



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 7.021 ng

RT: 16.33 min Scan# 2285

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

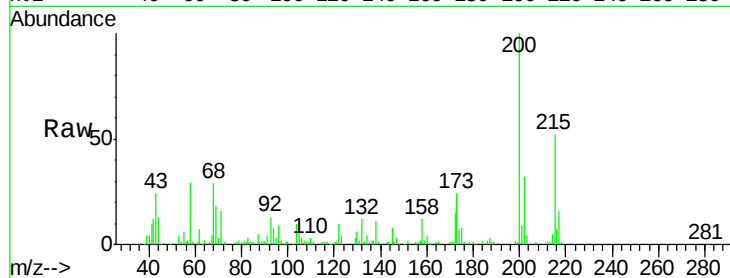
Tot Ion:200 Resp: 111280

Ion Ratio Lower Upper

200 100

173 24.5 5.5 45.5

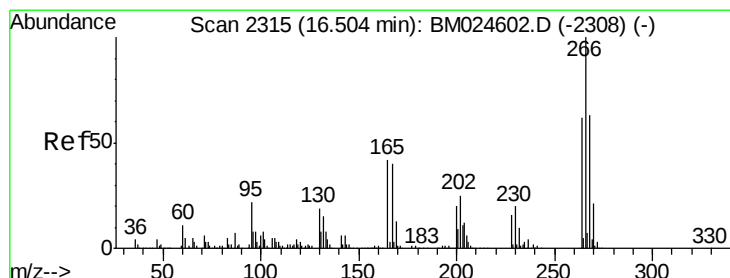
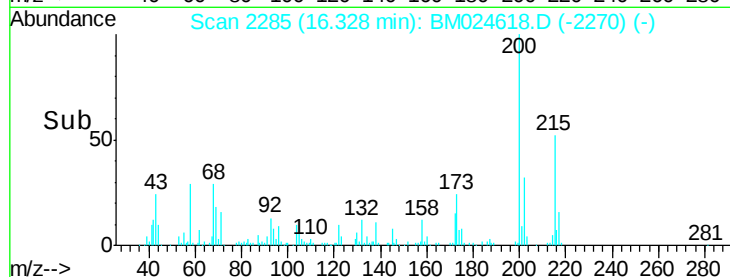
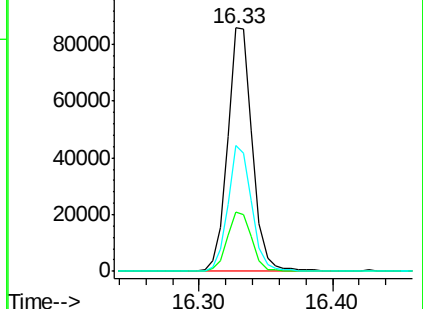
215 51.6 29.4 69.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 6.315 ng

RT: 16.50 min Scan# 2314

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

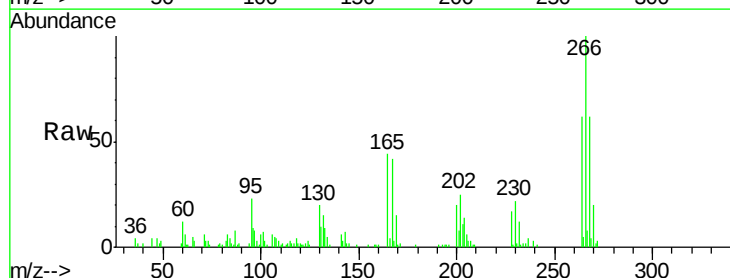
Tgt Ion:266 Resp: 78904

Ion Ratio Lower Upper

266 100

268 61.8 50.4 75.6

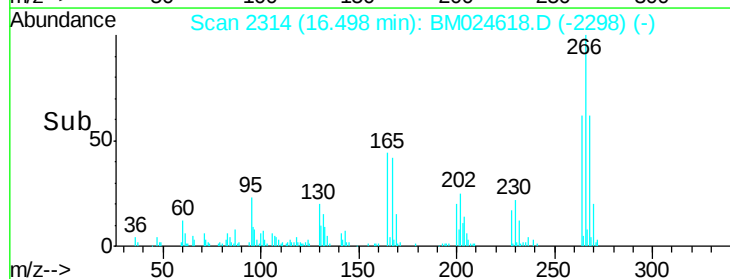
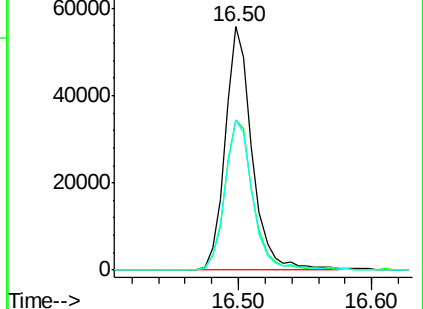
264 61.8 49.9 74.9

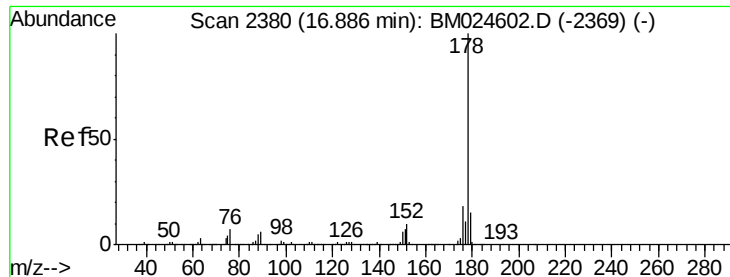


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

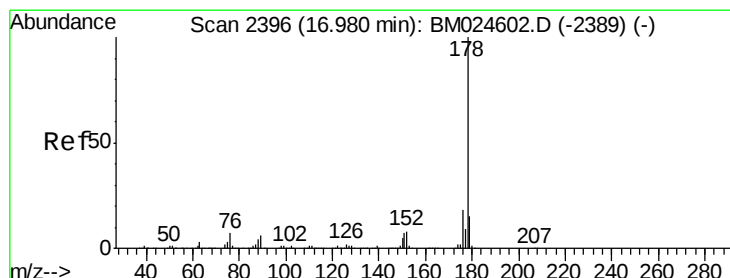
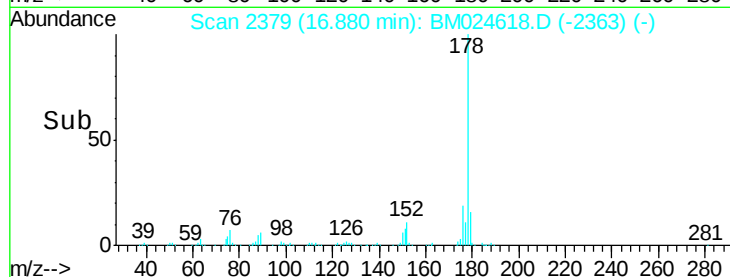
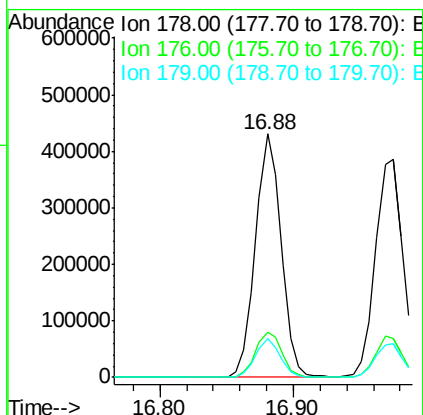
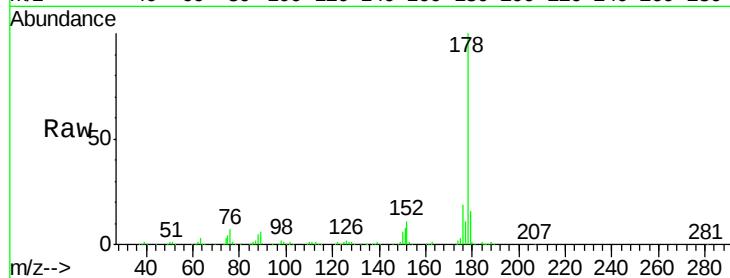




#71
Phenanthrene
Concen: 7.323 ng
RT: 16.88 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

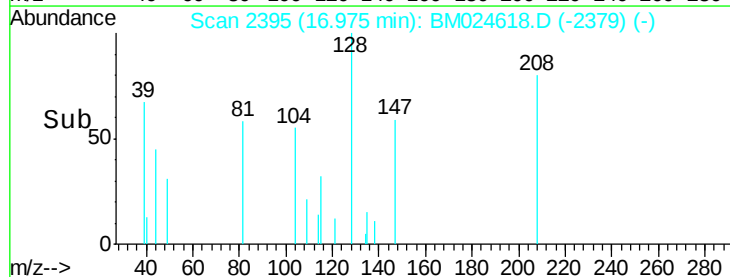
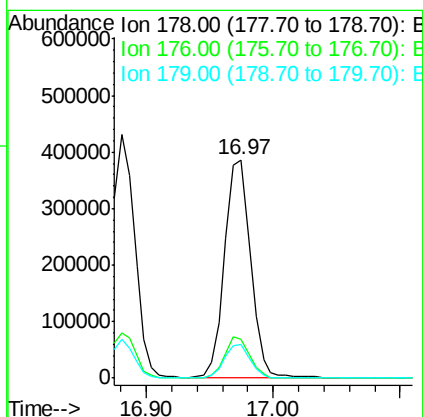
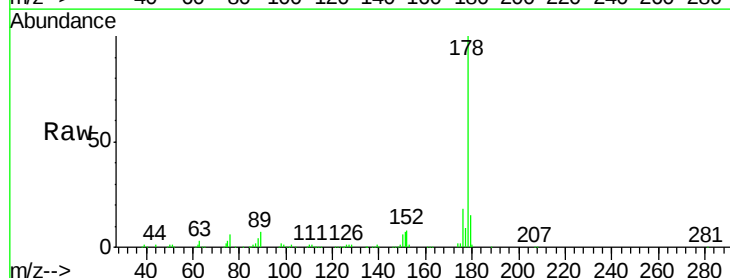
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

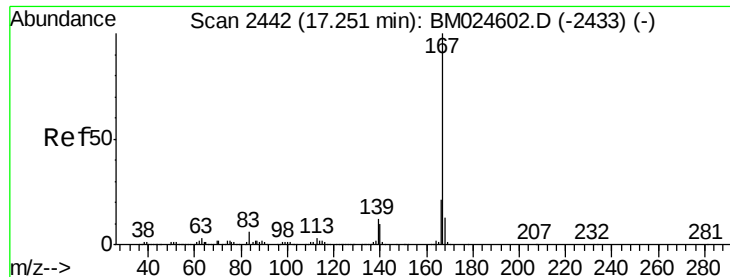
Tot Ion:178 Resp: 570056
Ion Ratio Lower Upper
178 100
176 18.5 14.5 21.7
179 15.7 11.9 17.9



#72
Anthracene
Concen: 7.191 ng
RT: 16.97 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:178 Resp: 547700
Ion Ratio Lower Upper
178 100
176 17.7 14.3 21.5
179 15.2 12.1 18.1

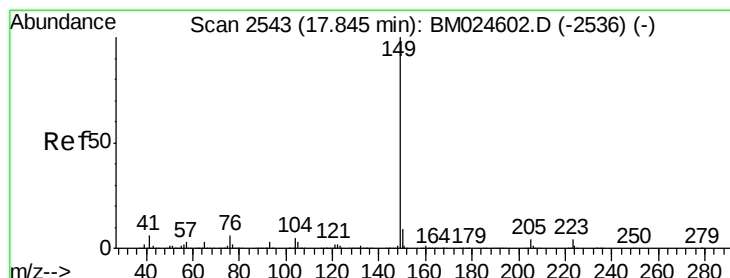
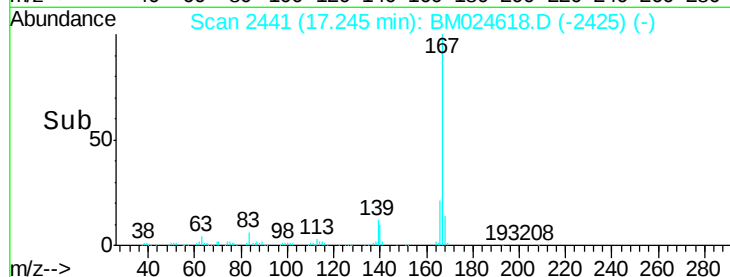
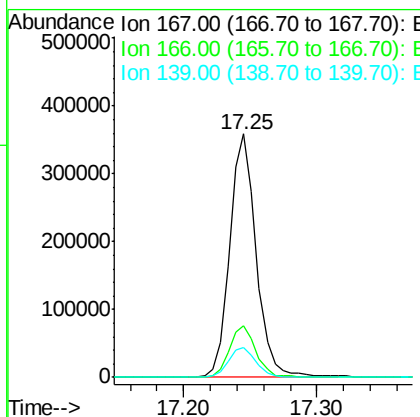
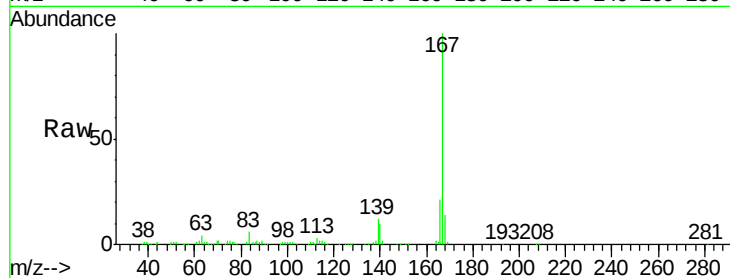




#73
 Carbazole
 Concen: 7.176 ng
 RT: 17.25 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

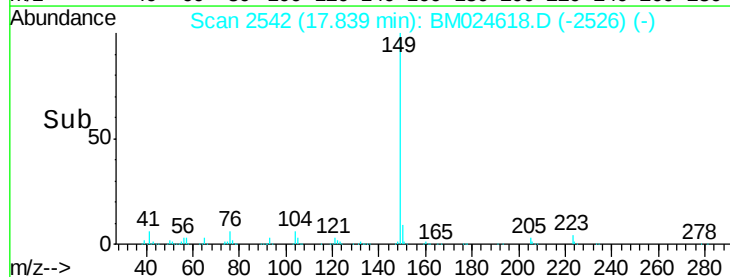
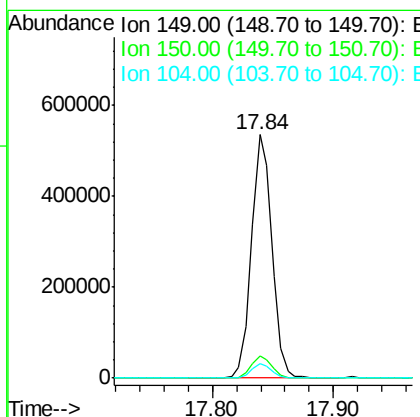
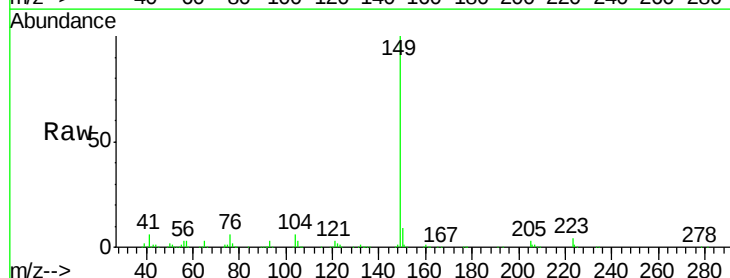
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

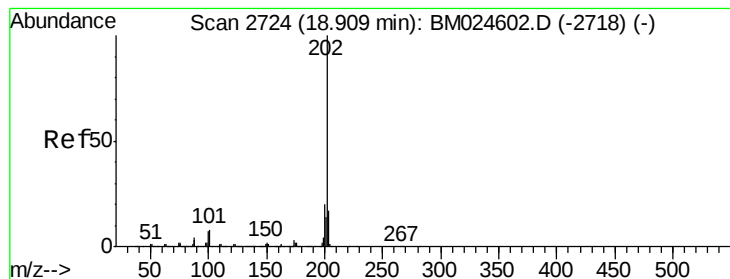
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.1	25.7
139	12.4	9.8	14.8



#74
 Di-n-butylphthalate
 Concen: 7.092 ng
 RT: 17.84 min Scan# 2542
 Delta R.T. -0.01 min
 Lab File: BM024618.D
 Acq: 24 Jan 2020 13:07

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	6.2	4.3	6.5





#75

Fluoranthene

Concen: 7.309 ng

RT: 18.90 min Scan# 2723

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

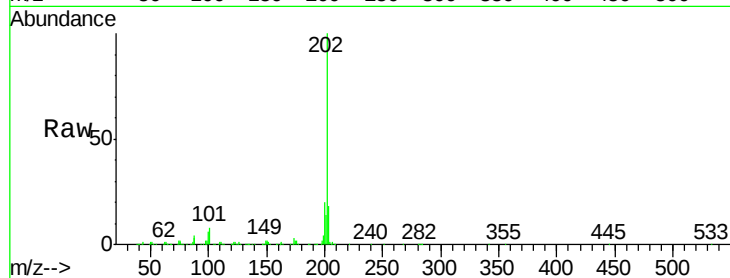
Tot Ion:202 Resp: 710054

Ion Ratio Lower Upper

202 100

101 7.7 0.0 28.4

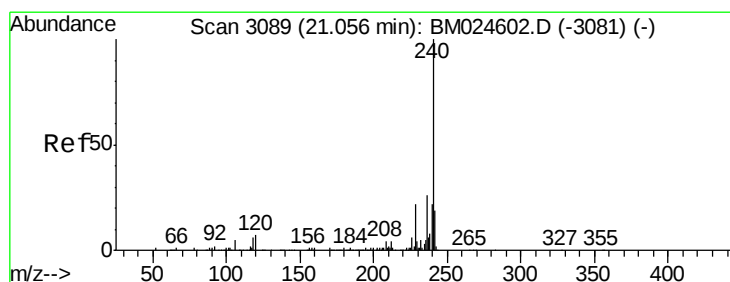
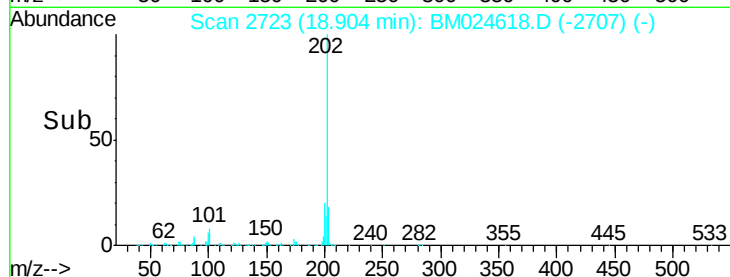
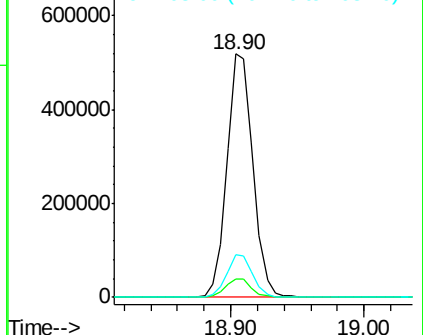
203 17.7 0.0 37.5



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: 21.05 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

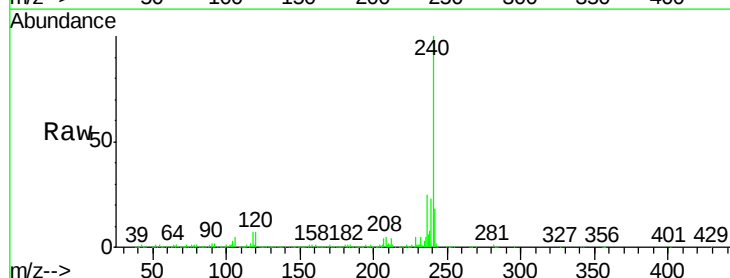
Tgt Ion:240 Resp: 1548833

Ion Ratio Lower Upper

240 100

120 6.8 5.3 7.9

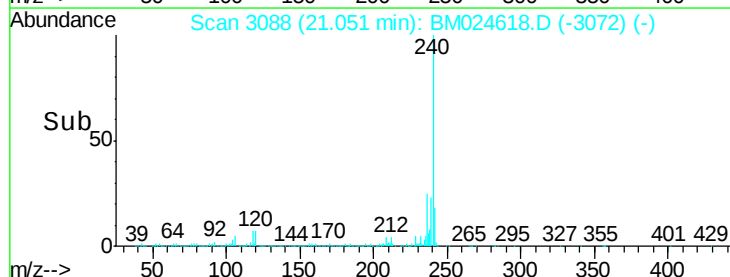
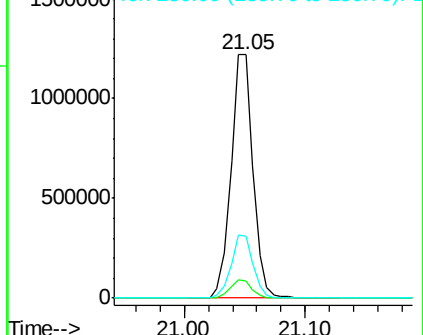
236 25.4 20.6 31.0

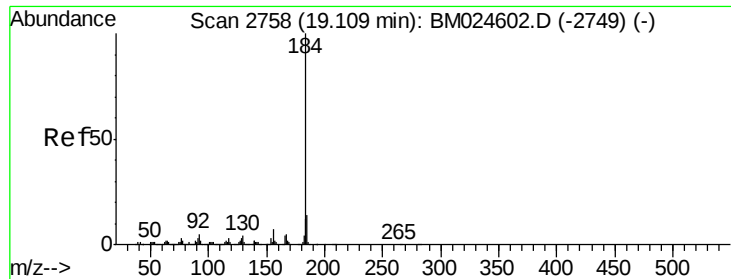


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.962 ng

RT: 19.10 min Scan# 2757

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

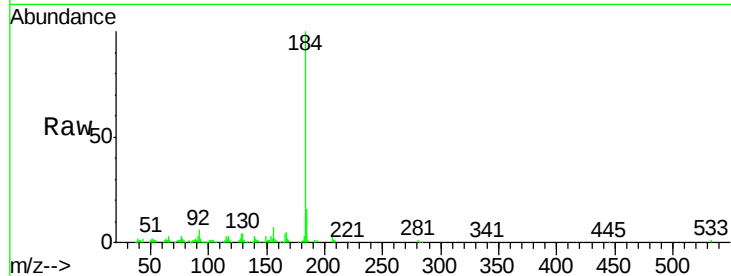
Tot Ion:184 Resp: 251120

Ion Ratio Lower Upper

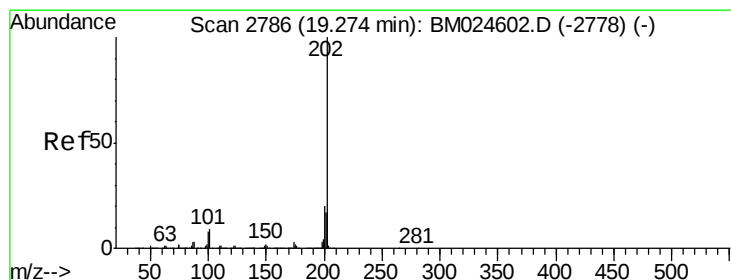
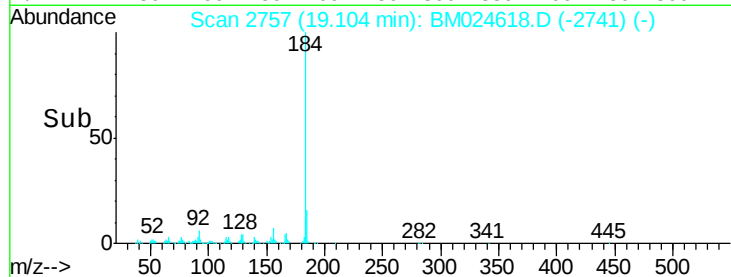
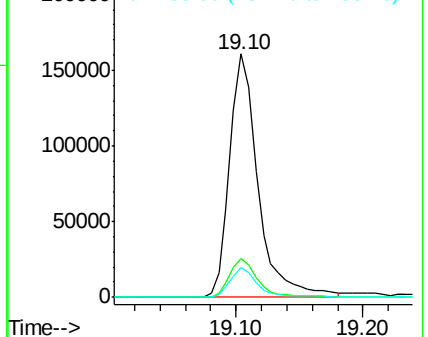
184 100

185 15.9 11.3 16.9

183 12.1 9.6 14.4



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: 7.311 ng

RT: 19.27 min Scan# 2785

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

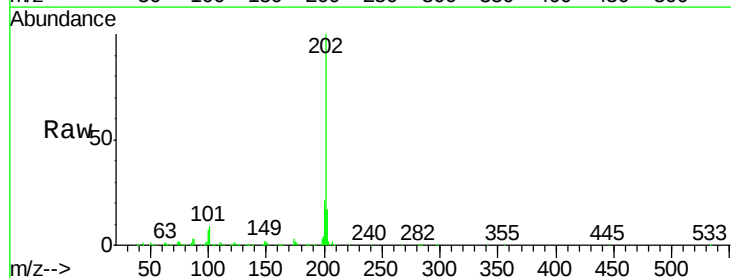
Tgt Ion:202 Resp: 746497

Ion Ratio Lower Upper

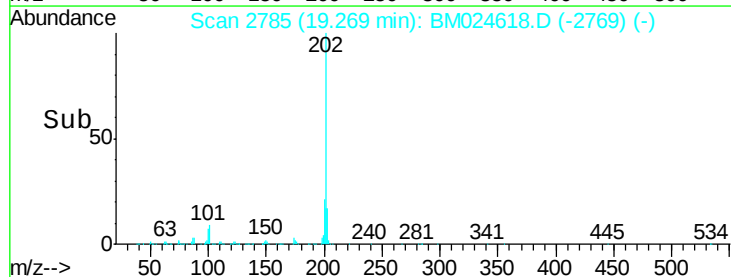
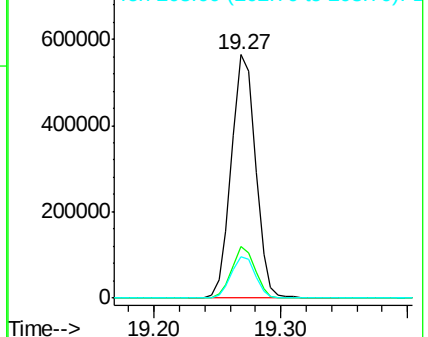
202 100

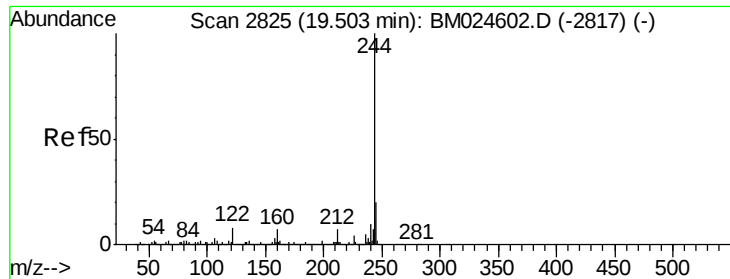
200 21.1 16.2 24.2

203 17.0 14.0 21.0



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: 81.242 ng

RT: 19.50 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

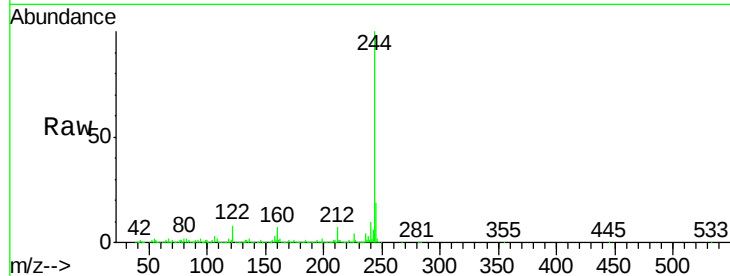
Tot Ion:244 Resp: 6740047

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

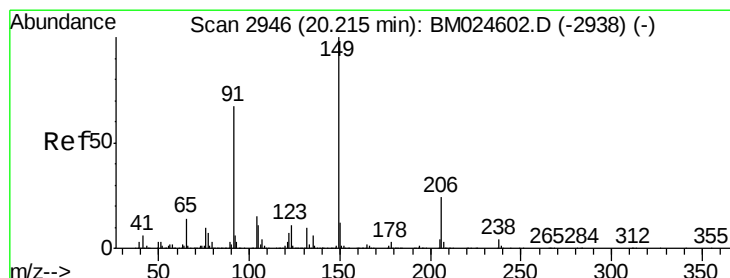
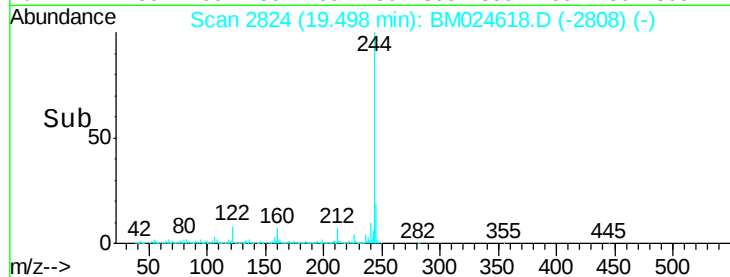
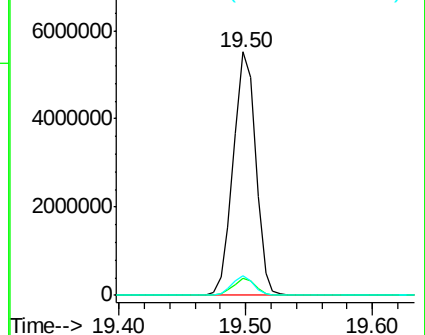
122 7.9 6.2 9.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 6.535 ng

RT: 20.21 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

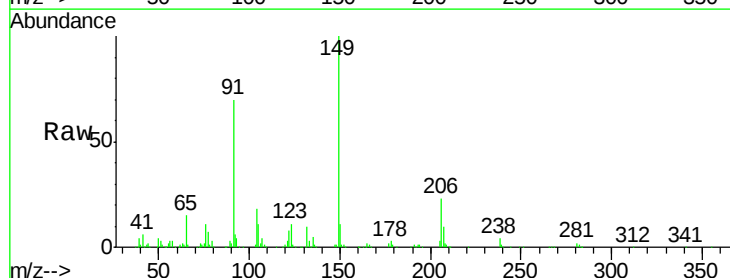
Tgt Ion:149 Resp: 279981

Ion Ratio Lower Upper

149 100

91 69.7 53.9 80.9

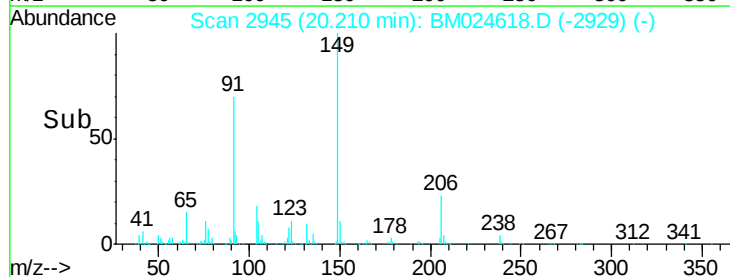
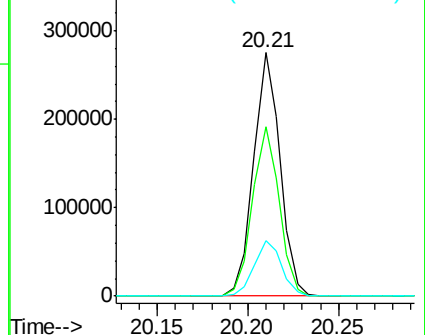
206 22.9 19.0 28.6

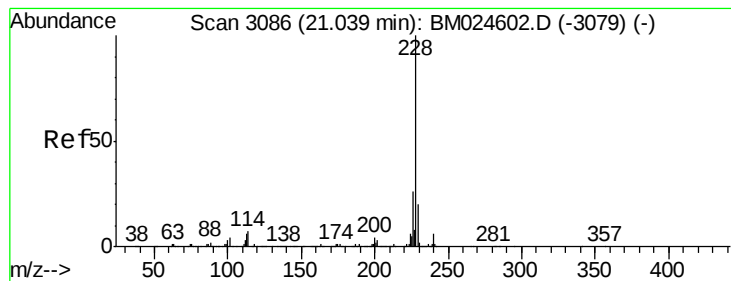


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 7.323 ng

RT: 21.03 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

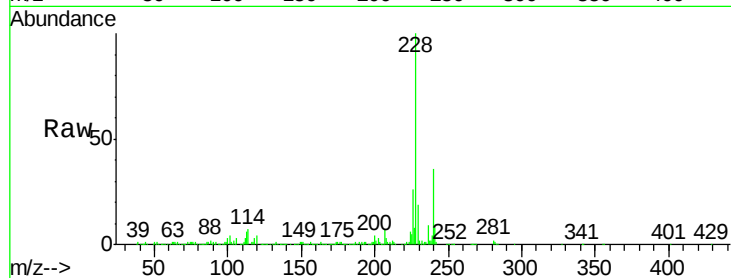
Tot Ion:228 Resp: 787192

Ion Ratio Lower Upper

228 100

226 26.2 21.1 31.7

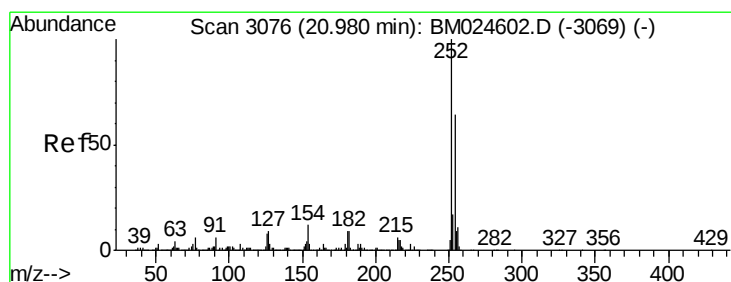
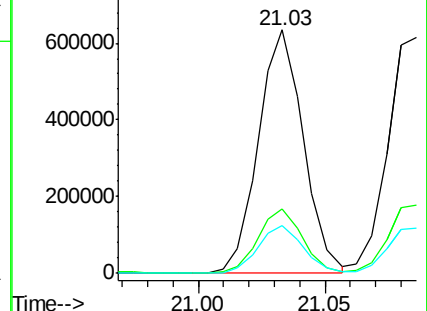
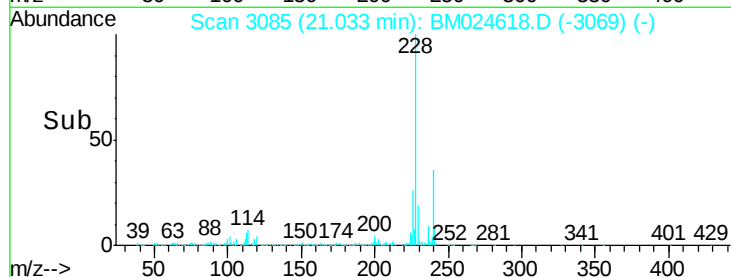
229 19.4 15.8 23.6



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: 6.733 ng

RT: 20.97 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

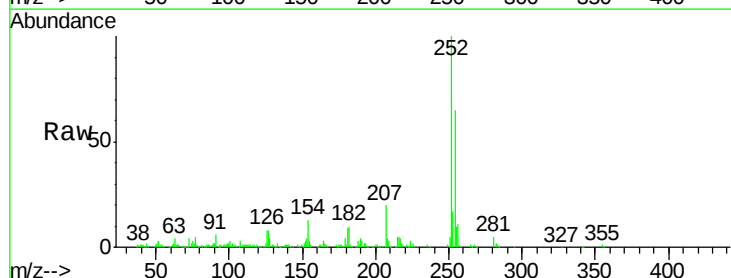
Tgt Ion:252 Resp: 260364

Ion Ratio Lower Upper

252 100

254 64.5 51.5 77.3

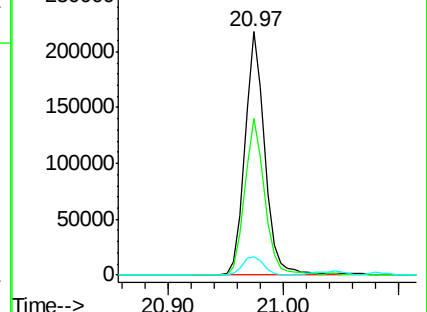
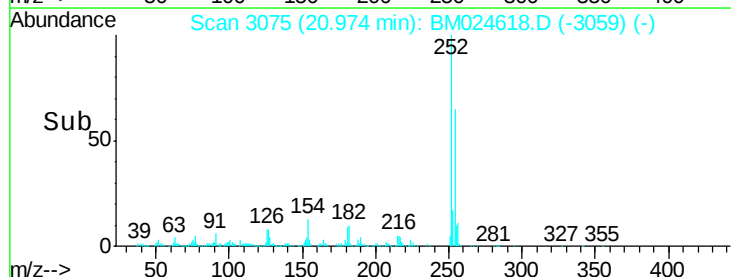
126 7.6 6.7 10.1

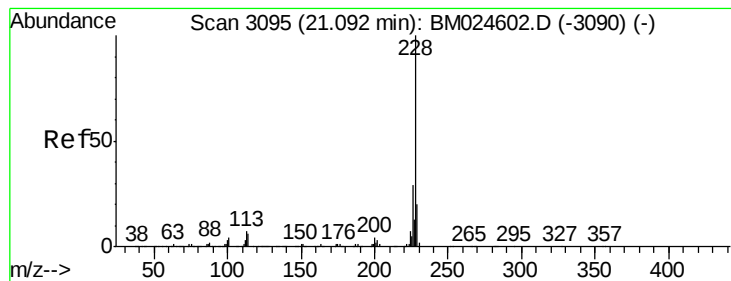


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 7.436 ng

RT: 21.09 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

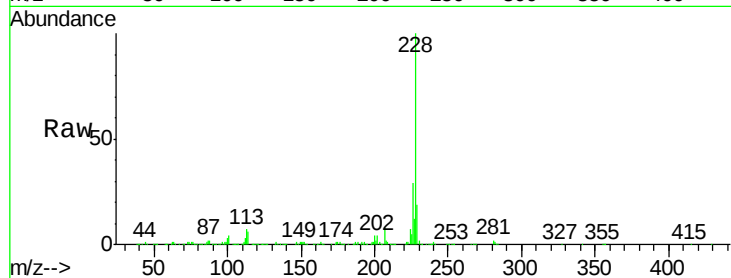
Tot Ion:228 Resp: 762774

Ion Ratio Lower Upper

228 100

226 29.0 23.2 34.8

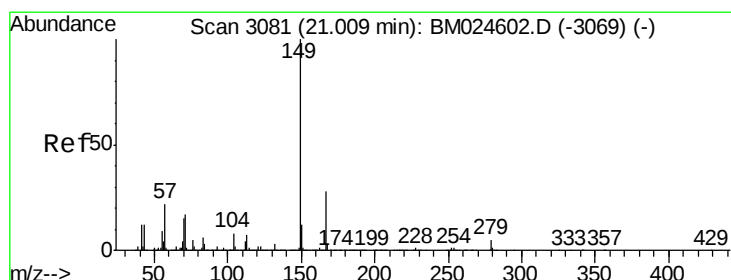
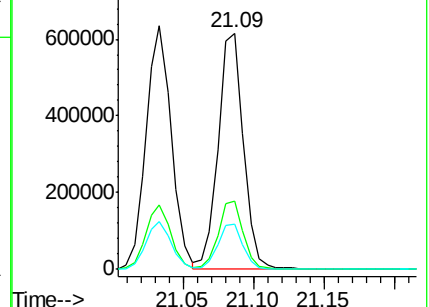
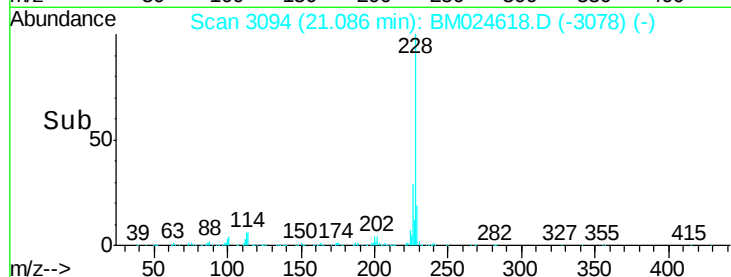
229 19.1 15.7 23.5



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.634 ng

RT: 21.01 min Scan# 3081

Delta R.T. 0.00 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

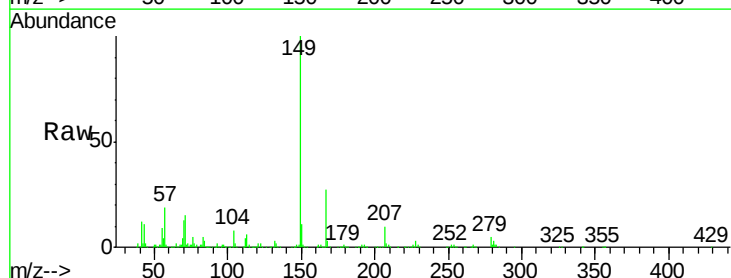
Tgt Ion:149 Resp: 419407

Ion Ratio Lower Upper

149 100

167 26.7 22.5 33.7

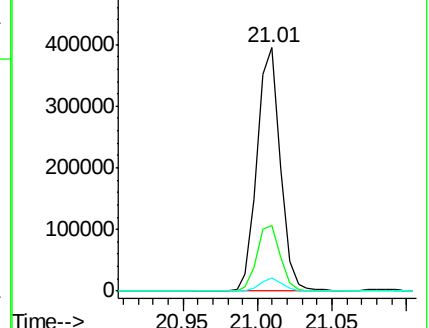
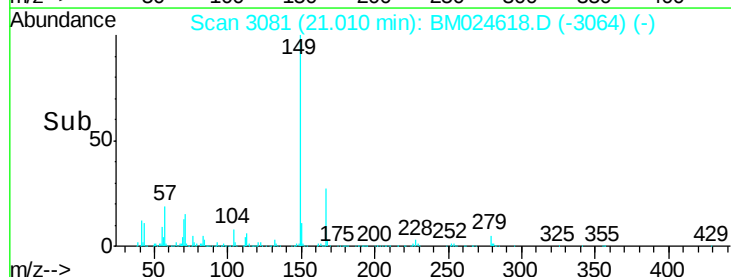
279 5.3 4.0 6.0

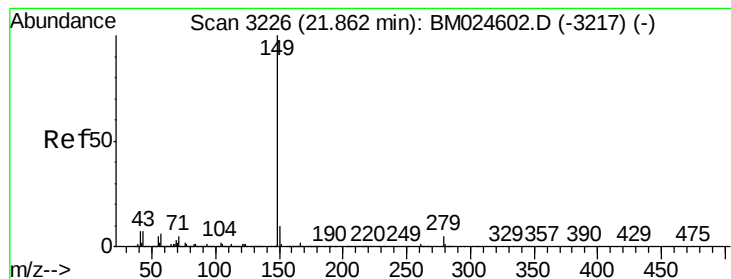


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 6.516 ng

RT: 21.86 min Scan# 3225

Delta R.T. -0.01 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

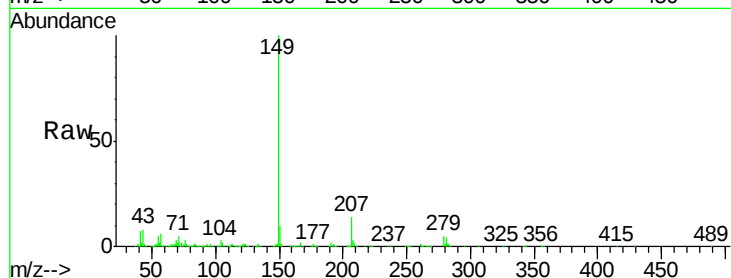
Tot Ion:149 Resp: 680585

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

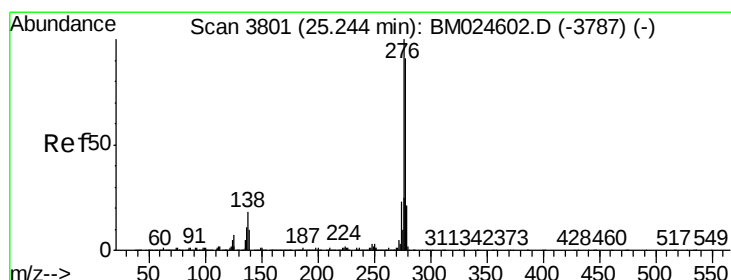
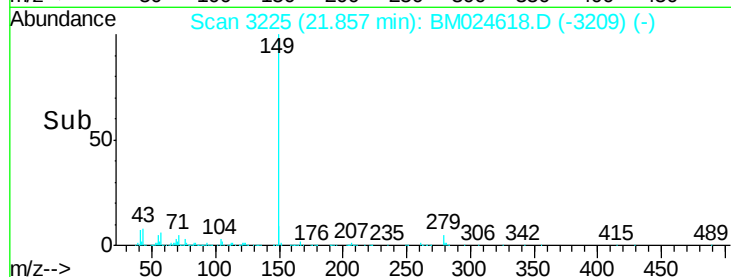
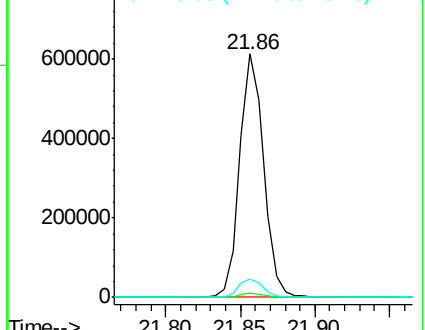
43 7.9 5.8 8.6



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

Indeno(1,2,3-cd)pyrene

Concen: 7.317 ng

RT: 25.22 min Scan# 3797

Delta R.T. -0.02 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

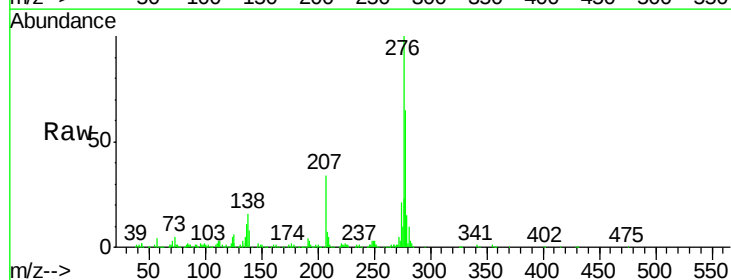
Tgt Ion:276 Resp: 818067

Ion Ratio Lower Upper

276 100

138 16.8 13.4 20.0

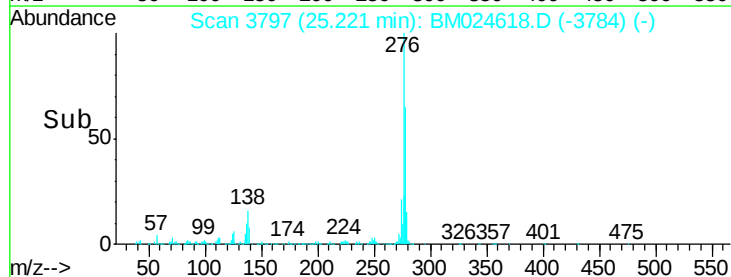
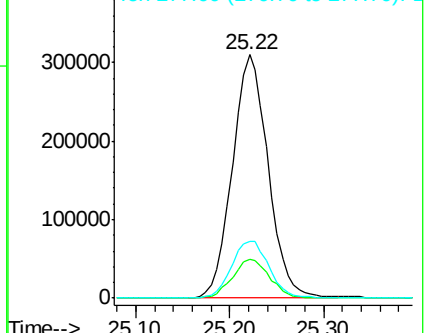
277 24.6 19.6 29.4

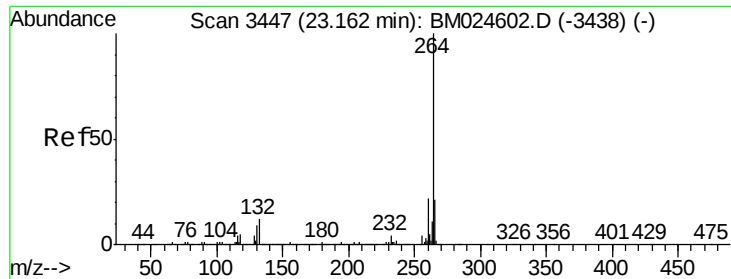


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

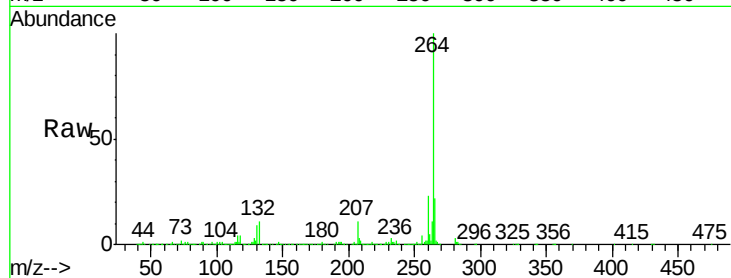




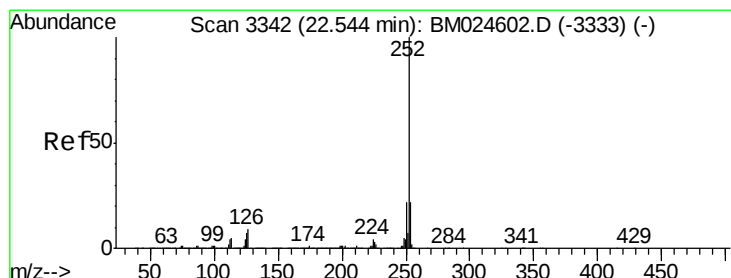
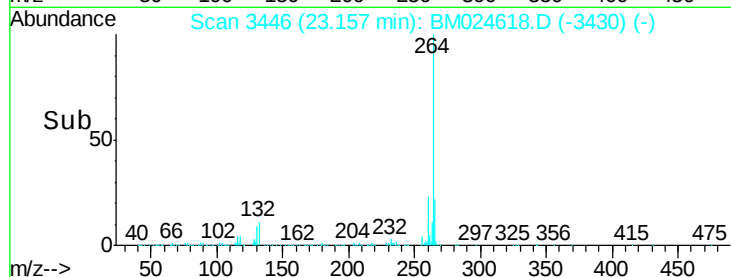
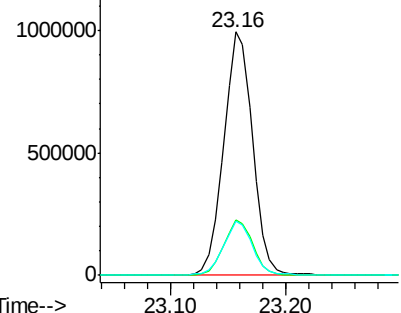
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.16 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:264 Resp: 1724049
Ion Ratio Lower Upper
264 100
260 22.7 17.9 26.9
265 22.5 17.3 25.9

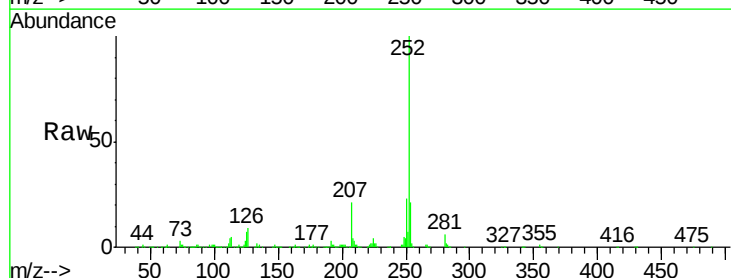


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

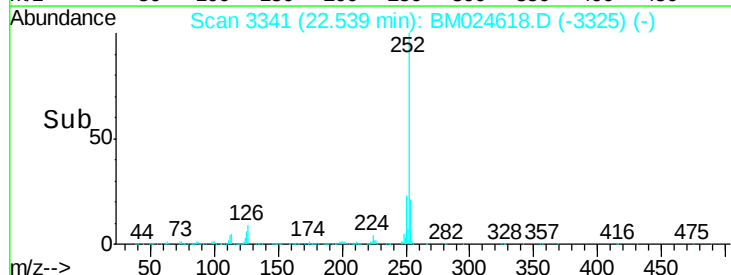
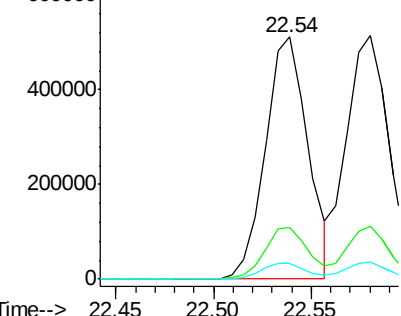


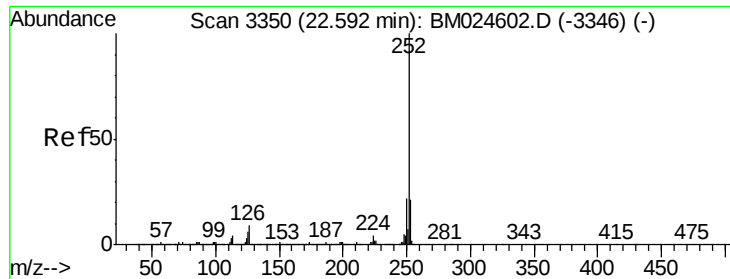
#88
Benzo(b)fluoranthene
Concen: 6.891 ng
RT: 22.54 min Scan# 3341
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:252 Resp: 770564
Ion Ratio Lower Upper
252 100
253 21.2 17.6 26.4
125 6.6 5.7 8.5



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

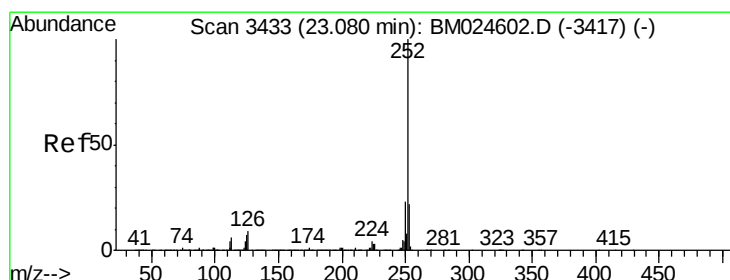
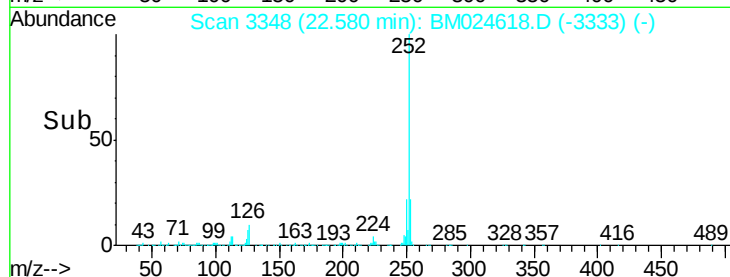
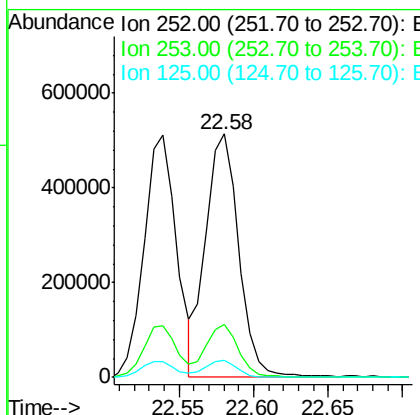
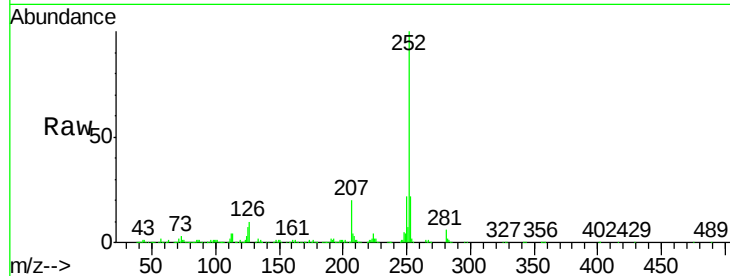




#89
Benzo(k)fluoranthene
Concen: 7.209 ng
RT: 22.58 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

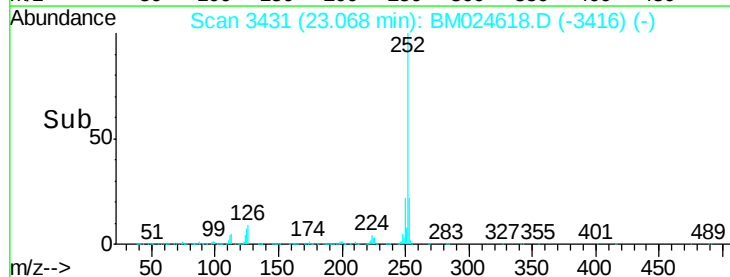
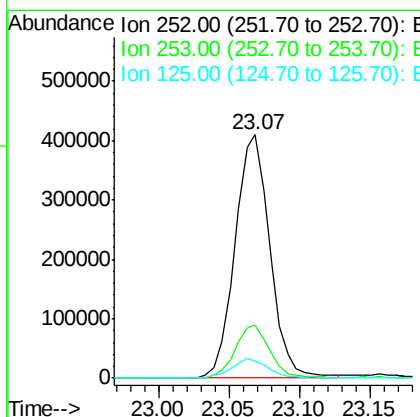
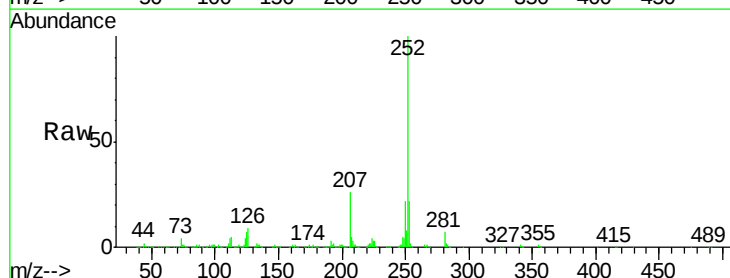
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

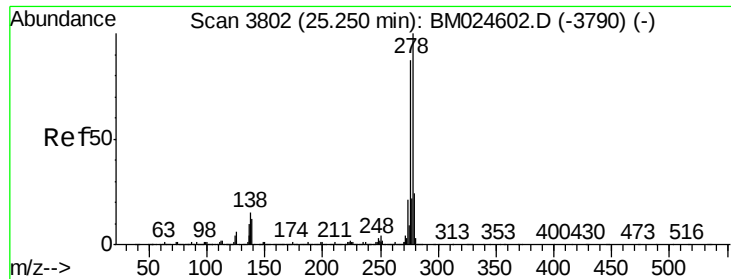
Tot Ion:252 Resp: 786792
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 7.1 5.2 7.8



#90
Benzo(a)pyrene
Concen: 6.925 ng
RT: 23.07 min Scan# 3431
Delta R.T. -0.01 min
Lab File: BM024618.D
Acq: 24 Jan 2020 13:07

Tgt Ion:252 Resp: 704061
Ion Ratio Lower Upper
252 100
253 21.5 17.3 25.9
125 6.9 5.8 8.8





#91

Dibenzo(a,h)anthracene

Concen: 7.020 ng

RT: 25.23 min Scan# 3799

Delta R.T. -0.02 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

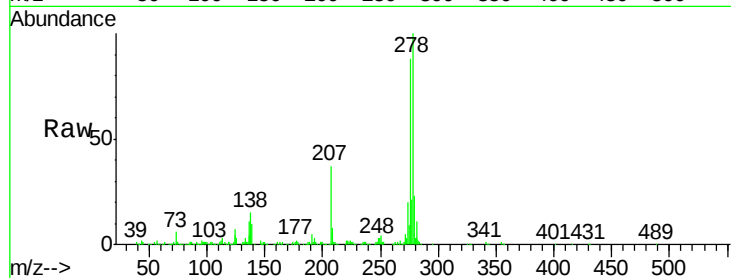
Tot Ion:278 Resp: 677338

Ion Ratio Lower Upper

278 100

139 10.4 9.3 13.9

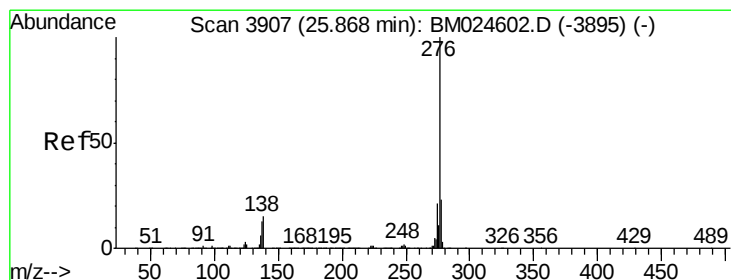
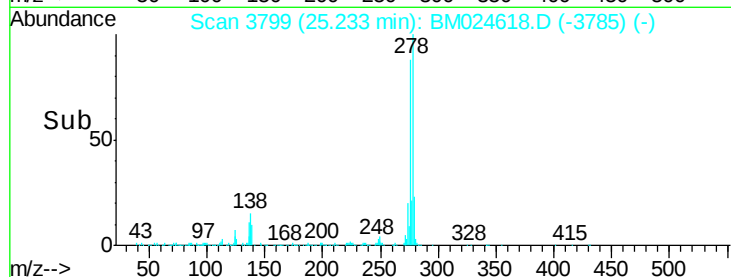
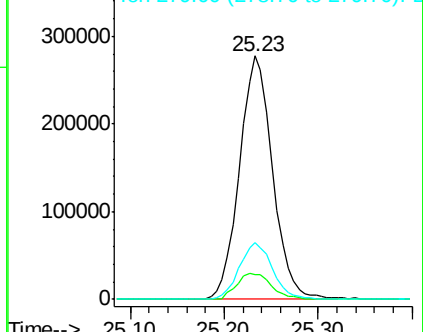
279 23.4 18.9 28.3



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: 7.017 ng

RT: 25.84 min Scan# 3903

Delta R.T. -0.02 min

Lab File: BM024618.D

Acq: 24 Jan 2020 13:07

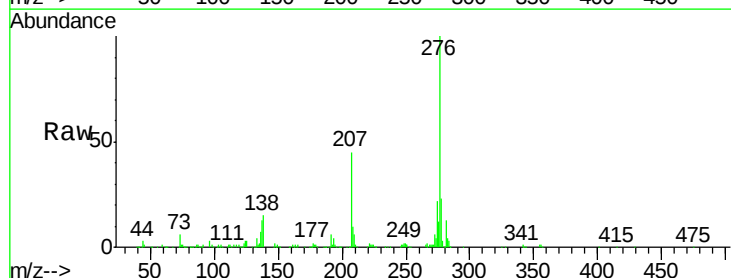
Tgt Ion:276 Resp: 614778

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 14.8 11.9 17.9



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

