

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080818\
 Data File : BF108025.D
 Acq On : 8 Aug 2018 17:49
 Operator : JU/SJ
 Sample : J3762-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Quant Time: Aug 08 18:24:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	249545	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	983168	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	529618	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	1103190	20.00	ng	0.00
75) Chrysene-d12	14.21	240	968657	20.00	ng	-0.01
86) Perylene-d12	15.77	264	830162	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	1484244	107.68	ng	0.00
7) Phenol-d6	6.62	99	1991401	108.72	ng	0.00
23) Nitrobenzene-d5	7.57	82	1219088	69.19	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	615137	116.44	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	2339102	70.91	ng	0.00
78) Terphenyl-d14	13.15	244	2856356	74.97	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.92	88	39458	5.571	ng	# 83
3) Pyridine	3.71	79	108040	5.922	ng	# 80
4) n-Nitrosodimethylamine	3.64	42	58096	5.659	ng	# 74
6) Aniline	6.68	93	92263	3.703	ng	98
8) 2-Chlorophenol	6.80	128	93688	6.035	ng	92
9) Benzaldehyde	6.57	77	77886	5.485	ng	95
10) Phenol	6.64	94	115139	6.077	ng	87
11) bis(2-Chloroethyl)ether	6.74	93	96622	6.308	ng	95
12) 1,3-Dichlorobenzene	6.95	146	113597	6.329	ng	97
13) 1,4-Dichlorobenzene	7.03	146	112529	6.240	ng	98
14) 1,2-Dichlorobenzene	7.18	146	103783	6.187	ng	97
15) Benzyl Alcohol	7.14	79	69701	4.520	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.28	45	196644	6.232	ng	96
17) 2-Methylphenol	7.24	107	82373	6.188	ng	97
18) Hexachloroethane	7.53	117	39417	6.139	ng	92
19) n-Nitroso-di-n-propylamine	7.41	70	76668	6.190	ng	# 86
20) 3+4-Methylphenols	7.40	107	106276	6.230	ng	91
22) Acetophenone	7.41	105	147539	6.418	ng	# 94
24) Nitrobenzene	7.59	77	113345	6.362	ng	95
25) Isophorone	7.82	82	202039	6.016	ng	97
26) 2-Nitrophenol	7.91	139	31210	4.639	ng	92
27) 2,4-Dimethylphenol	7.93	122	92101	6.179	ng	98
28) bis(2-Chloroethoxy)methane	8.03	93	121291	6.187	ng	99
29) 2,4-Dichlorophenol	8.14	162	81239	5.923	ng	97
30) 1,2,4-Trichlorobenzene	8.23	180	94260	6.233	ng	99
31) Naphthalene	8.32	128	295957	6.619	ng	99
32) Benzoic acid	7.97	122	19822	7.981	ng	# 84
33) 4-Chloroaniline	8.36	127	77043	3.954	ng	98
34) Hexachlorobutadiene	8.43	225	58531	6.114	ng	95
35) Caprolactam	8.69	113	24536	5.708	ng	# 82
36) 4-Chloro-3-methylphenol	8.82	107	90286	6.102	ng	96
37) 2-Methylnaphthalene	9.01	142	211532	6.687	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	101545	6.244	ng	97
40) Hexachlorocyclopentadiene	9.16	237	55883	5.320	ng	99

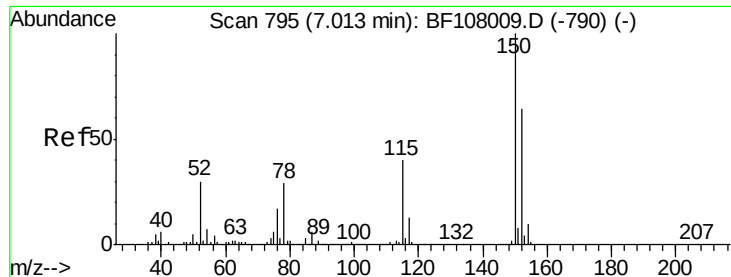
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	54160	5.366	ng	97
43) 2,4,5-Trichlorophenol	9.32	196	63891	5.751	ng	# 93
45) 1,1'-Biphenyl	9.47	154	257206	6.587	ng	96
46) 2-Chloronaphthalene	9.50	162	199715	6.471	ng	97
47) 2-Nitroaniline	9.59	65	58689	5.877	ng	# 82
48) Acenaphthylene	9.92	152	327780	6.718	ng	100
49) Dimethylphthalate	9.77	163	241278	6.540	ng	98
50) 2,6-Dinitrotoluene	9.83	165	46261	5.993	ng	93
51) Acenaphthene	10.10	154	196071	6.561	ng	98
52) 3-Nitroaniline	10.00	138	42396	5.020	ng	91
53) 2,4-Dinitrophenol	10.10	184	7767	9.474	ng	# 1
54) Dibenzofuran	10.27	168	298137	6.886	ng	99
55) 4-Nitrophenol	10.14	139	33257	5.200	ng	# 77
56) 2,4-Dinitrotoluene	10.23	165	59032	5.942	ng	# 89
57) Fluorene	10.61	166	233223	6.805	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.38	232	51485	5.544	ng	# 89
59) Diethylphthalate	10.47	149	236640	6.624	ng	97
60) 4-Chlorophenyl-phenylether	10.60	204	116199	6.506	ng	91
61) 4-Nitroaniline	10.61	138	48537	5.813	ng	95
62) Azobenzene	10.76	77	245707	6.660	ng	94
64) 4,6-Dinitro-2-methylphenol	10.64	198	13359	8.224	ng	83
65) n-Nitrosodiphenylamine	10.71	169	212049	6.505	ng	97
66) 4-Bromophenyl-phenylether	11.10	248	75778	6.321	ng	# 82
67) Hexachlorobenzene	11.16	284	79228	6.281	ng	# 85
68) Atrazine	11.24	200	68399	6.255	ng	94
69) Pentachlorophenol	11.35	266	25171	4.169	ng	95
70) Phenanthrene	11.58	178	364176	6.999	ng	98
71) Anthracene	11.63	178	372116	6.978	ng	98
72) Carbazole	11.78	167	318555	6.723	ng	99
73) Di-n-butylphthalate	12.11	149	364593	6.793	ng	98
74) Fluoranthene	12.77	202	397623	7.002	ng	95
76) Benzidine	12.89	184	66535	1.838	ng	# 94
77) Pyrene	13.01	202	400923	6.538	ng	99
79) Butylbenzylphthalate	13.61	149	134494	5.523	ng	96
80) Benzo(a)anthracene	14.19	228	361848	6.509	ng	98
81) 3,3'-Dichlorobenzidine	14.15	252	64329	3.229	ng	# 98
82) Chrysene	14.24	228	330786	6.490	ng	98
83) Bis(2-ethylhexyl)phthalate	14.17	149	194998	5.913	ng	98
84) Di-n-octyl phthalate	14.79	149	279116	5.550	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.37	276	245446	5.558	ng	# 91
87) Benzo(b)fluoranthene	15.29	252	316409	6.378	ng	97
88) Benzo(k)fluoranthene	15.32	252	280916	6.160	ng	# 97
89) Benzo(a)pyrene	15.69	252	271749	6.118	ng	97
90) Dibenzo(a,h)anthracene	17.39	278	204741	5.571	ng	# 95
91) Benzo(g,h,i)perylene	17.87	276	198076	5.473	ng	# 91

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

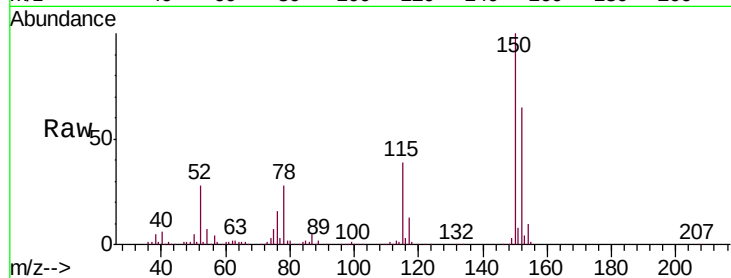


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.6	186.8
115	59.2	50.1	75.1

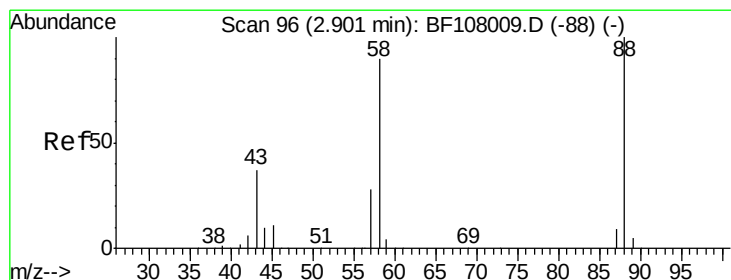
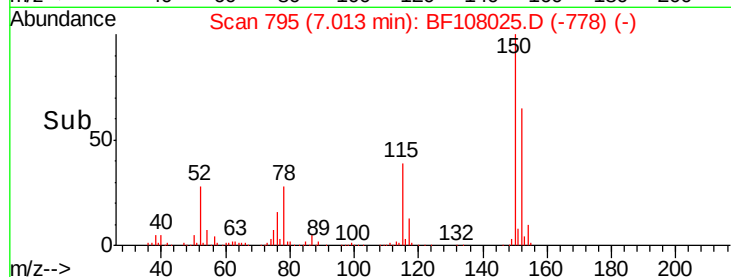
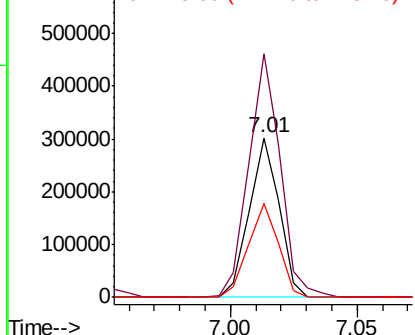


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

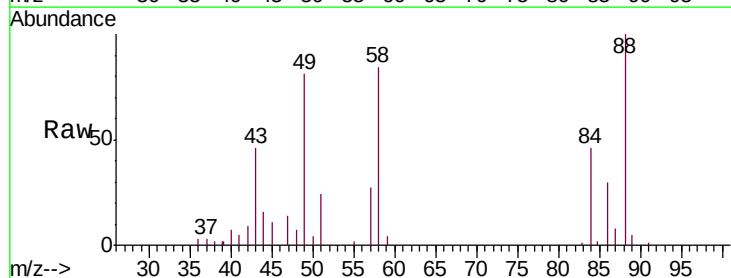
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 5.571 ng
RT: 2.92 min Scan# 100
Delta R.T. 0.02 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.9	62.6	93.8
43	46.1	24.6	37.0

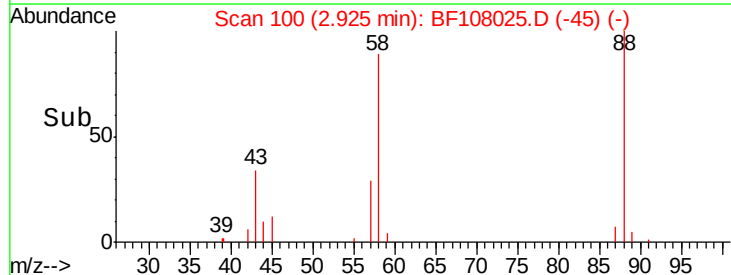
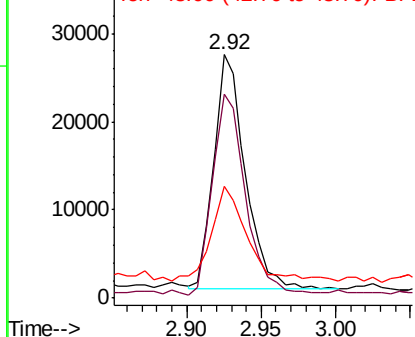


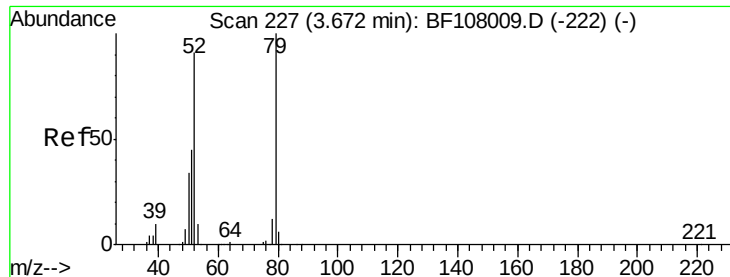
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 5.922 ng

RT: 3.71 min Scan# 234

Delta R.T. 0.04 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

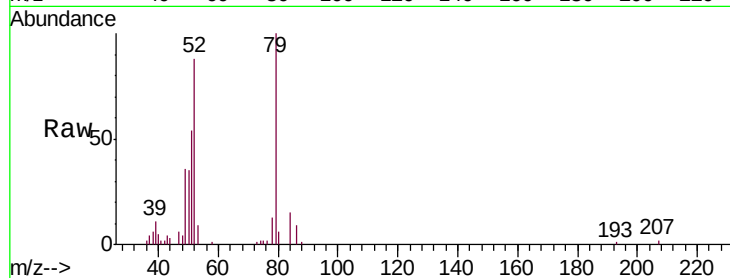
Tgt Ion: 79 Resp: 108040

Ion Ratio Lower Upper

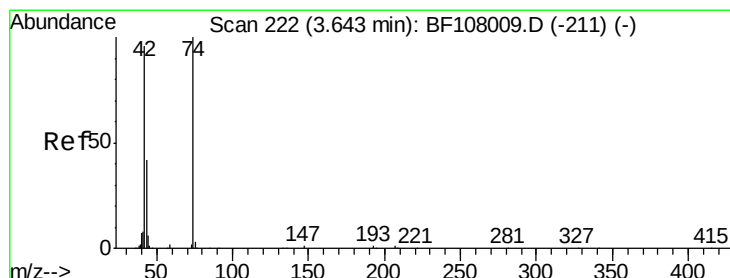
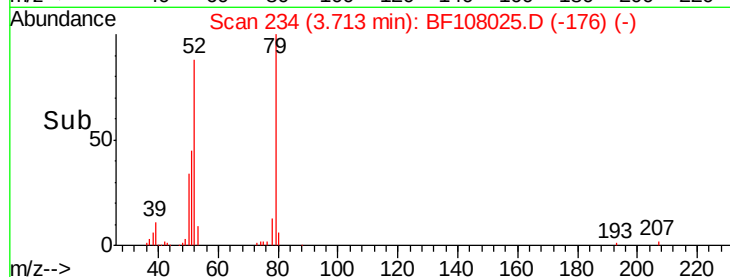
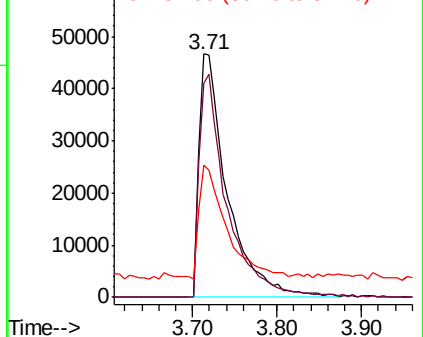
79 100

52 88.1 59.8 89.6

51 54.5 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 5.659 ng

RT: 3.64 min Scan# 221

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

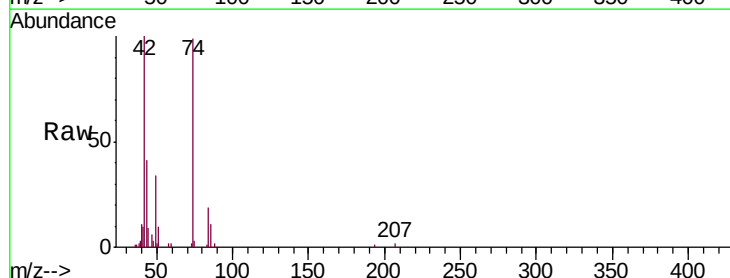
Tgt Ion: 42 Resp: 58096

Ion Ratio Lower Upper

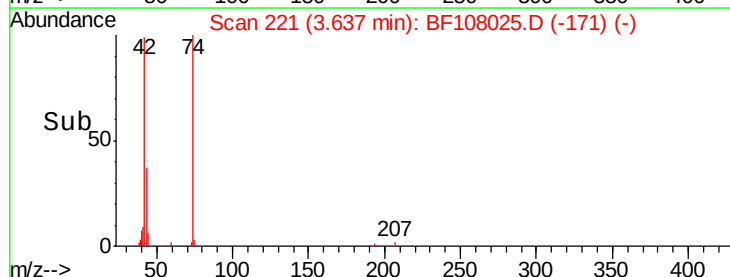
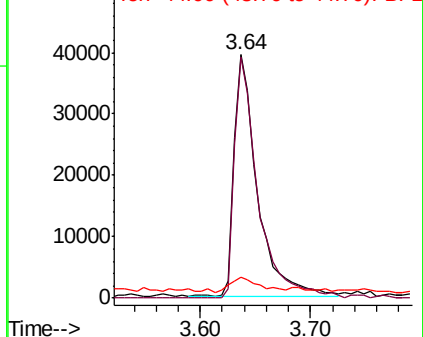
42 100

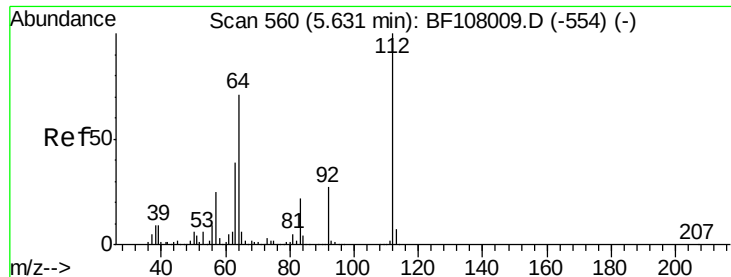
74 99.2 104.9 157.3#

44 8.7 6.9 10.3



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 107.682 ng

RT: 5.64 min Scan# 561

Delta R.T. 0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

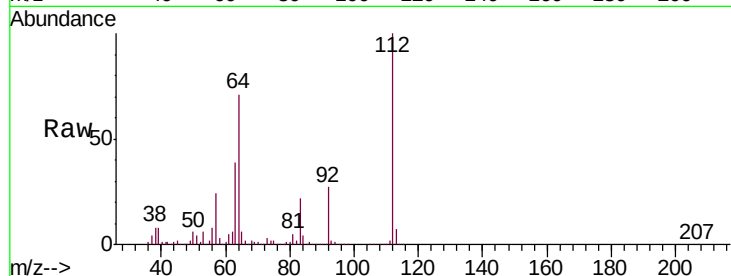
Tgt Ion:112 Resp: 1484244

Ion Ratio Lower Upper

112 100

64 70.6 47.9 71.9

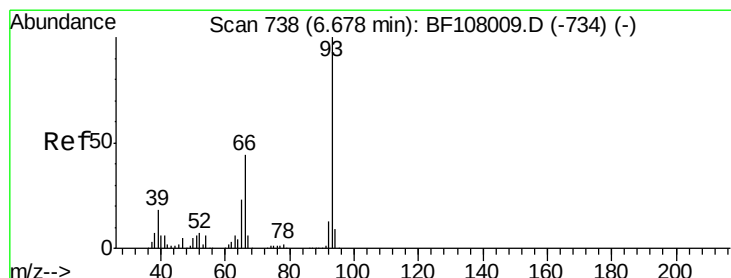
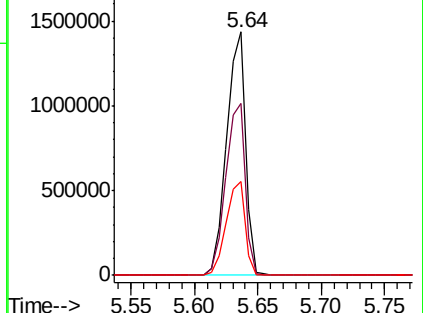
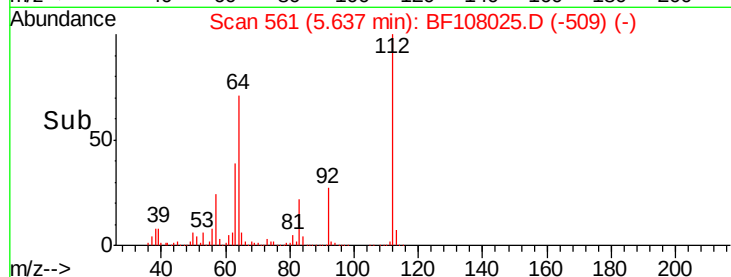
63 38.5 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 3.703 ng

RT: 6.68 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

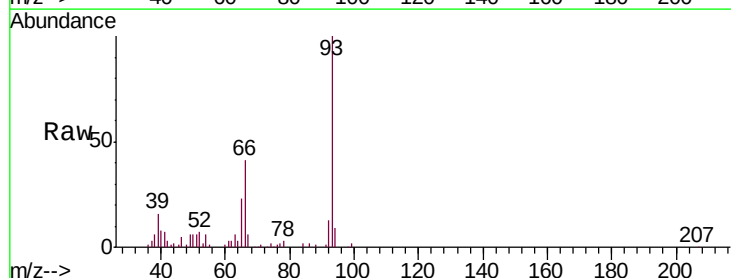
Tgt Ion: 93 Resp: 92263

Ion Ratio Lower Upper

93 100

66 41.0 32.2 48.2

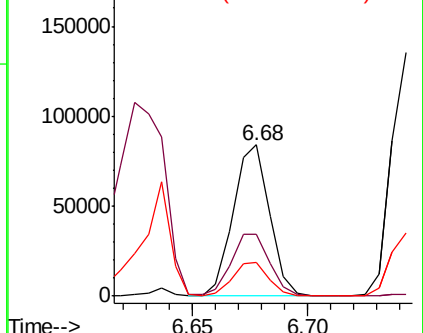
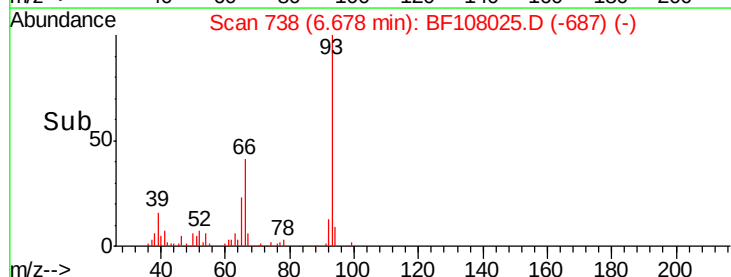
65 22.6 16.4 24.6

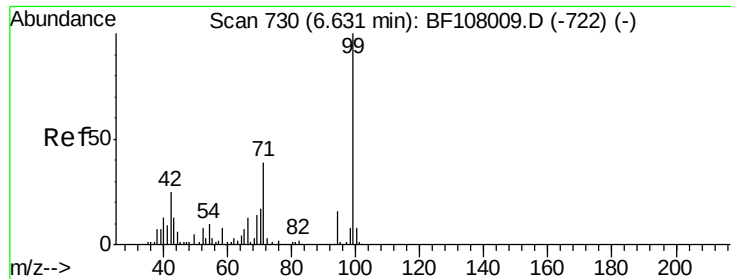


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 108.722 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

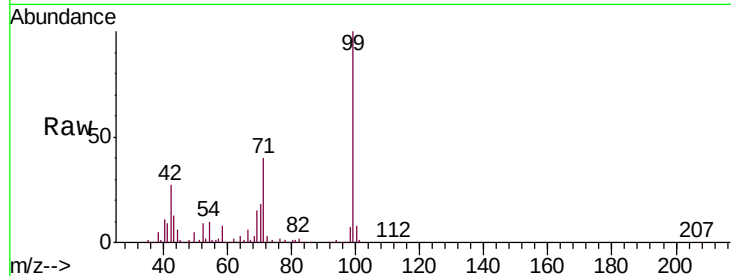
Tgt Ion: 99 Resp: 1991401

Ion Ratio Lower Upper

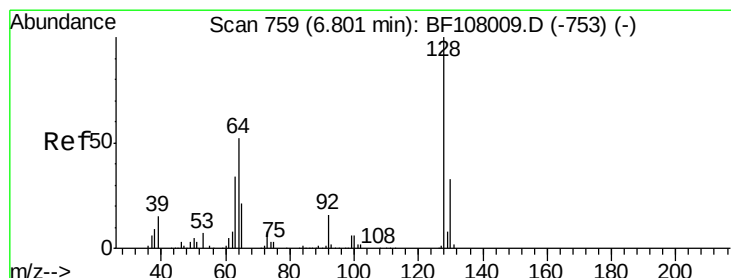
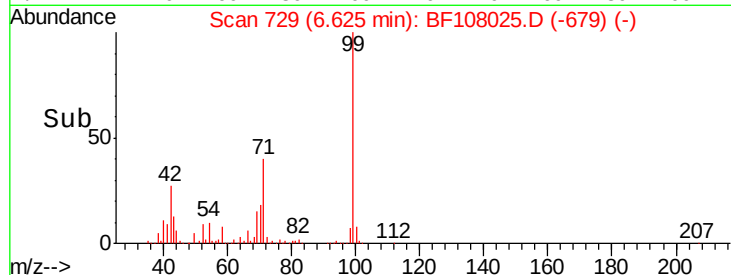
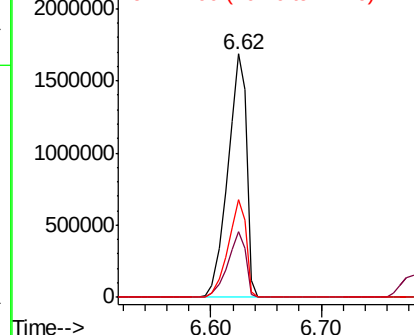
99 100

42 27.0 14.5 21.7#

71 40.0 25.4 38.0#



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 6.035 ng

RT: 6.80 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

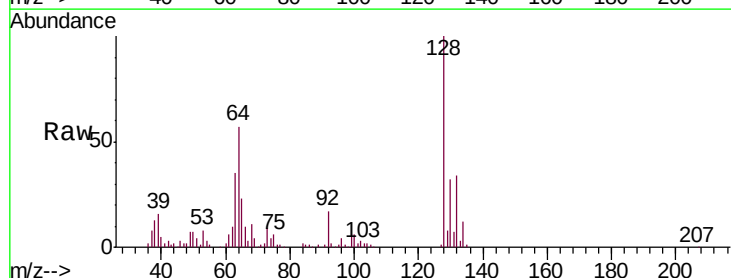
Tgt Ion: 128 Resp: 93688

Ion Ratio Lower Upper

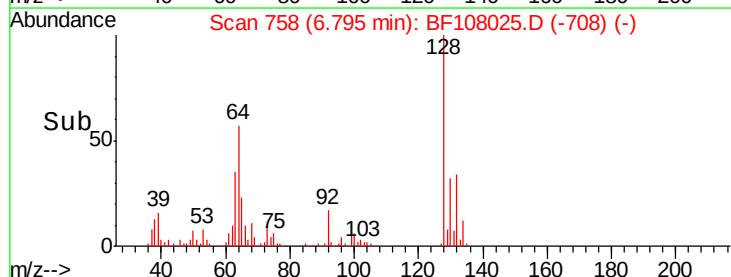
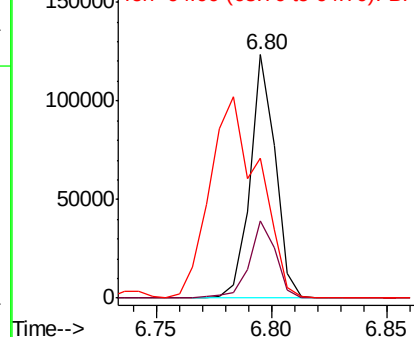
128 100

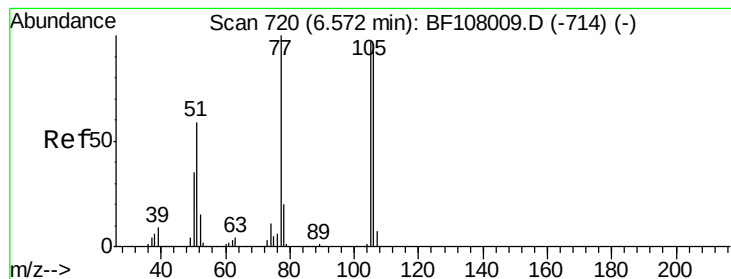
130 31.9 13.0 53.0

64 57.4 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 5.485 ng

RT: 6.57 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

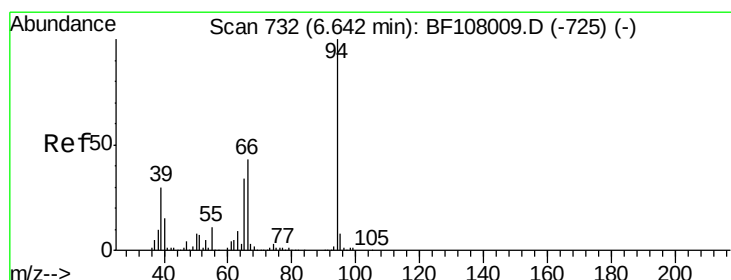
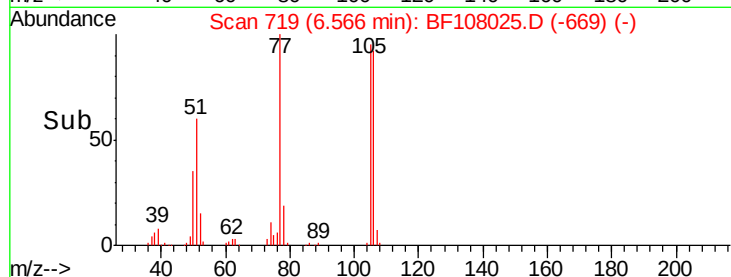
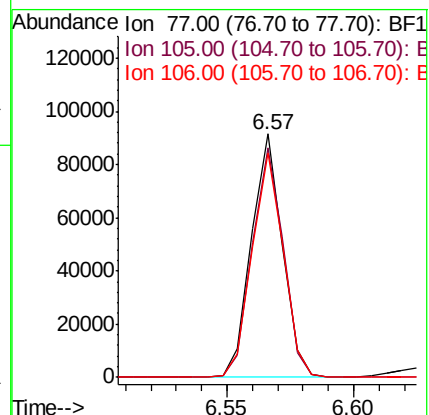
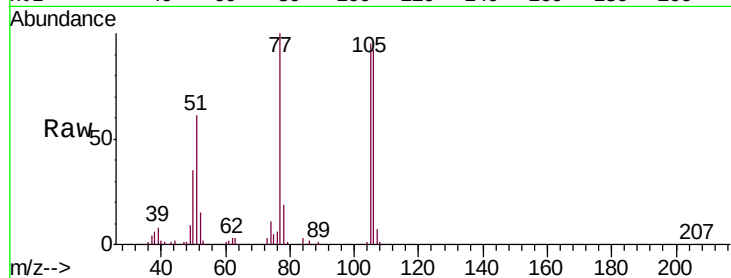
Tgt Ion: 77 Resp: 77886

Ion Ratio Lower Upper

77 100

105 94.5 81.1 121.1

106 92.1 74.5 114.5



#10

Phenol

Concen: 6.077 ng

RT: 6.64 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

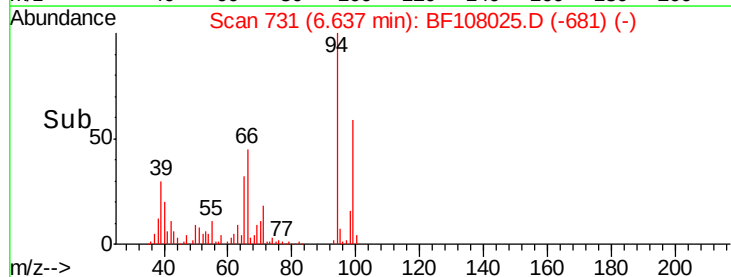
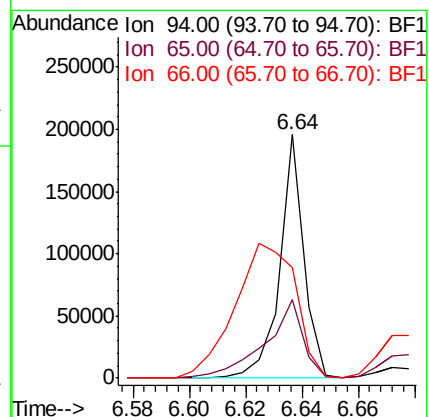
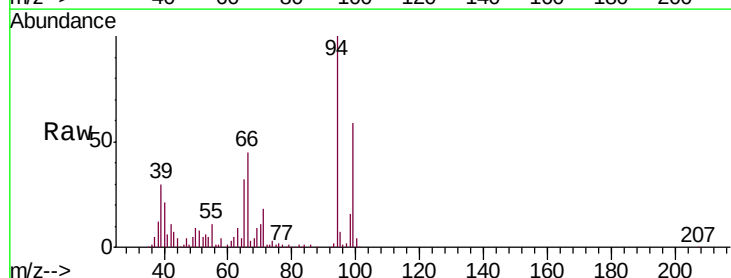
Tgt Ion: 94 Resp: 115139

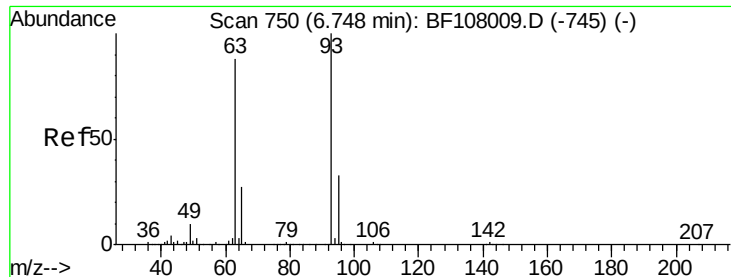
Ion Ratio Lower Upper

94 100

65 32.4 7.9 47.9

66 45.4 16.2 56.2

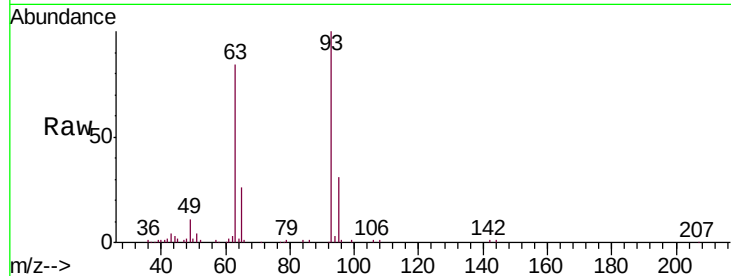




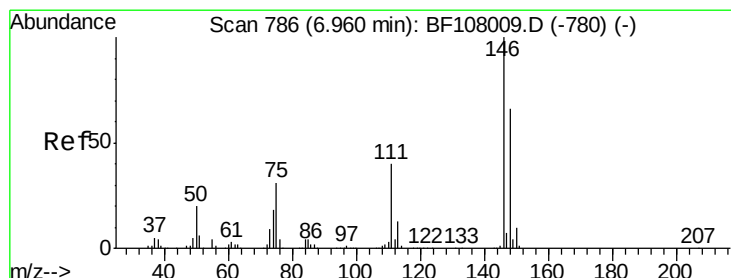
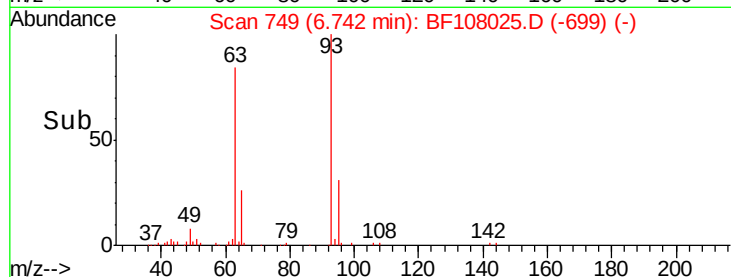
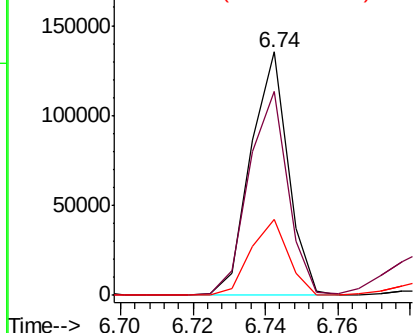
#11
bis(2-Chloroethyl)ether
Concen: 6.308 ng
RT: 6.74 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 93 Resp: 96622
Ion Ratio Lower Upper
93 100
63 83.9 58.6 98.6
95 31.4 11.8 51.8

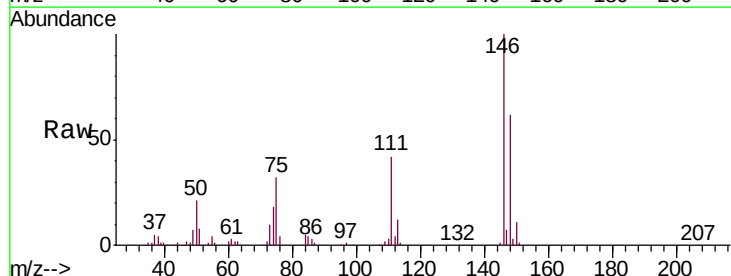


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

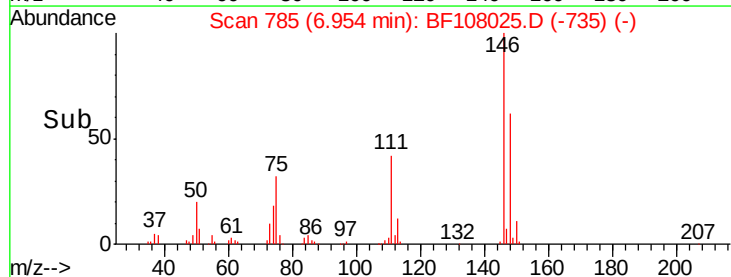
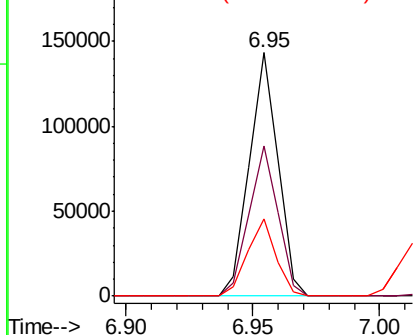


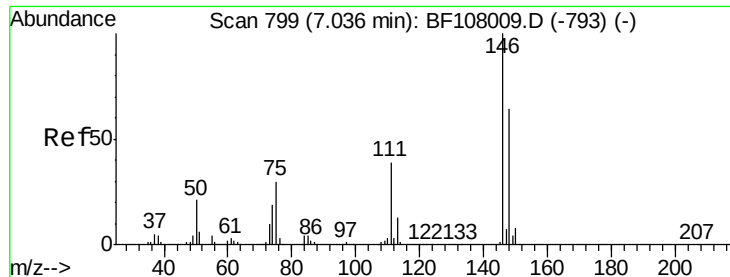
#12
1,3-Dichlorobenzene
Concen: 6.329 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion: 146 Resp: 113597
Ion Ratio Lower Upper
146 100
148 61.8 51.8 77.8
75 31.7 24.2 36.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

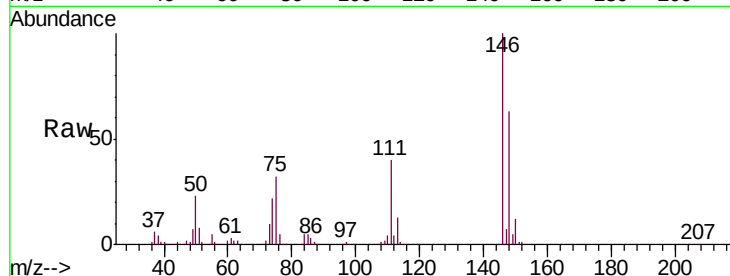




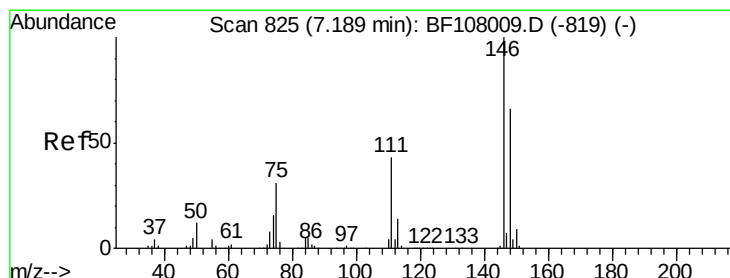
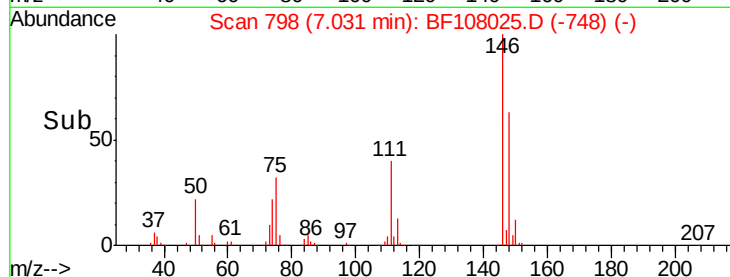
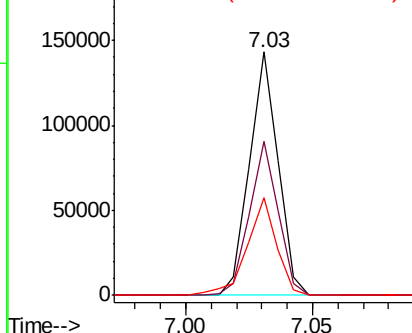
#13
 1,4-Dichlorobenzene
 Concen: 6.240 ng
 RT: 7.03 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tgt Ion:146 Resp: 112529
 Ion Ratio Lower Upper
 146 100
 148 63.3 50.8 76.2
 111 39.9 34.2 51.2

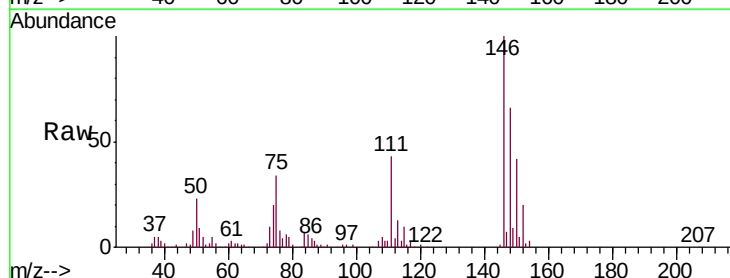


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

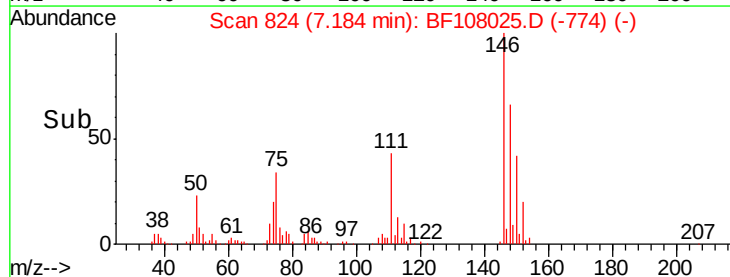
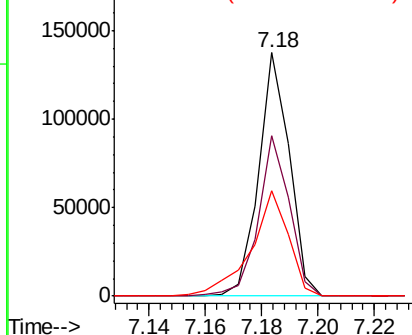


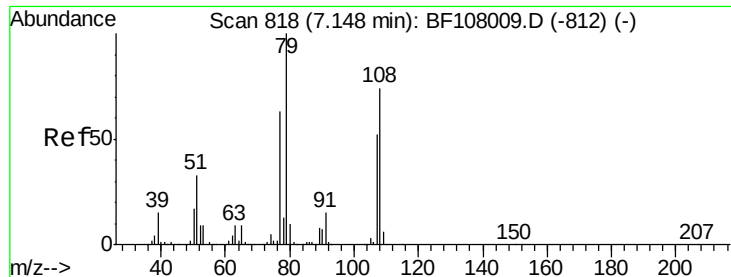
#14
 1,2-Dichlorobenzene
 Concen: 6.187 ng
 RT: 7.18 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion:146 Resp: 103783
 Ion Ratio Lower Upper
 146 100
 148 65.9 50.6 75.8
 111 43.2 36.0 54.0



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

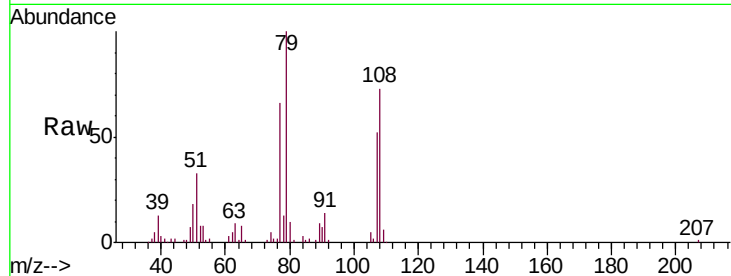




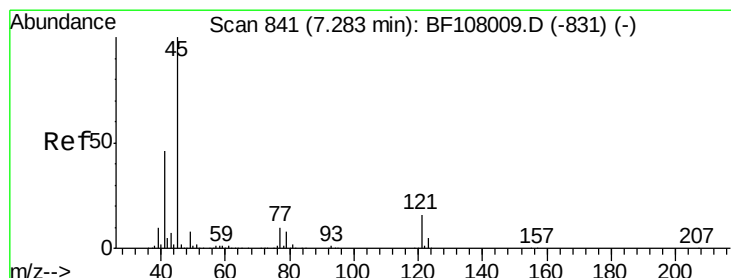
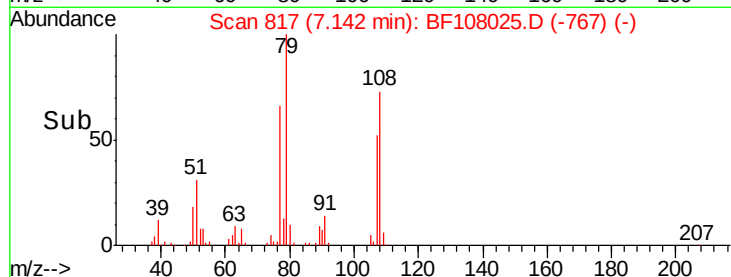
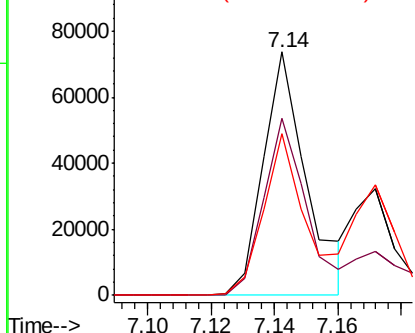
#15
Benzyl Alcohol
Concen: 4.520 ng
RT: 7.14 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 79 Resp: 69701
Ion Ratio Lower Upper
79 100
108 72.7 65.1 97.7
77 66.2 50.6 75.8

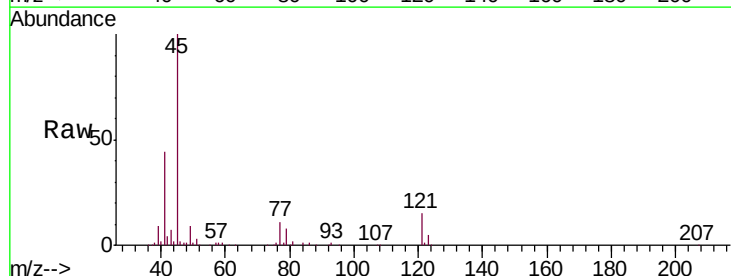


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

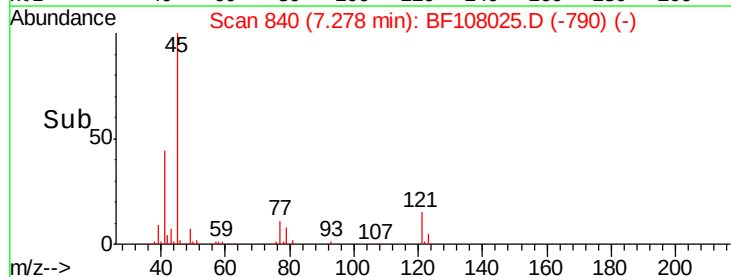
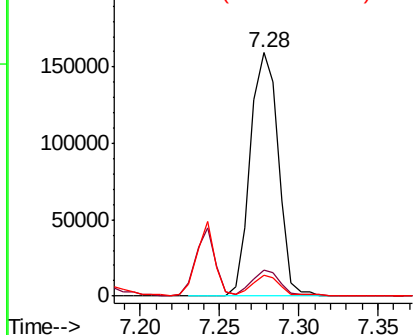


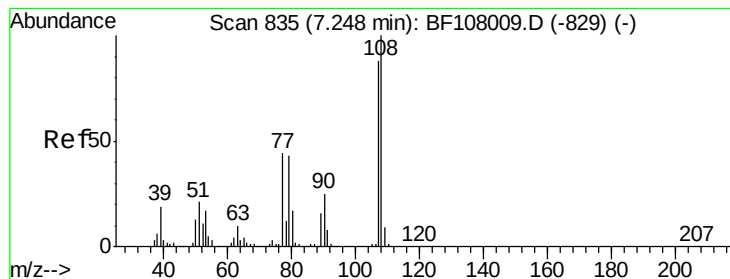
#16
2,2'-oxybis(1-chloropropane)
Concen: 6.232 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion: 45 Resp: 196644
Ion Ratio Lower Upper
45 100
77 10.8 0.0 32.9
79 8.4 0.0 29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 6.188 ng

RT: 7.24 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion:107 Resp: 82373

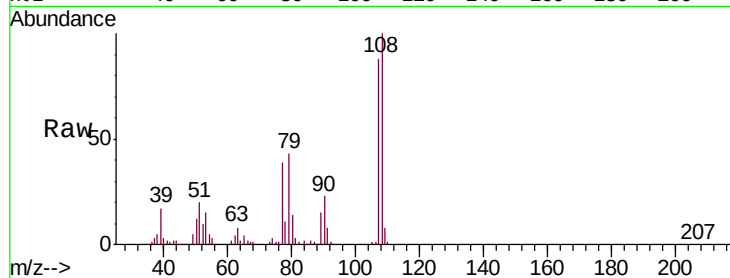
Ion Ratio Lower Upper

107 100

108 114.1 91.7 137.5

77 44.5 33.8 50.8

79 48.9 33.8 50.8

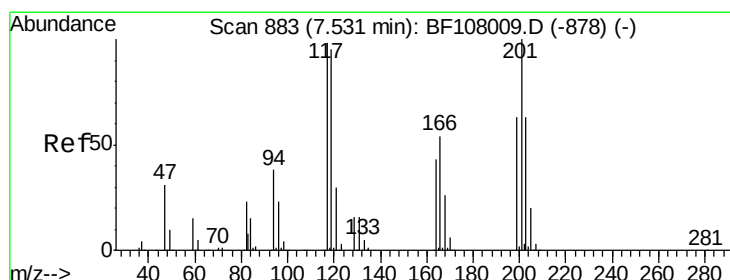
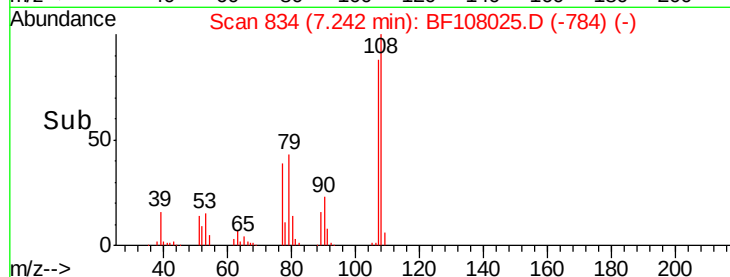
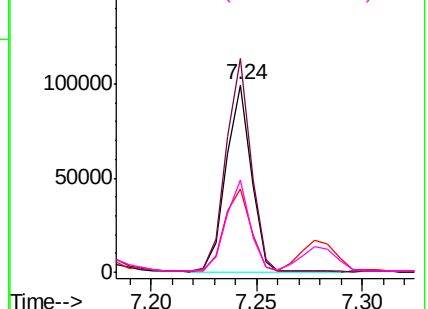


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 6.139 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.00 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

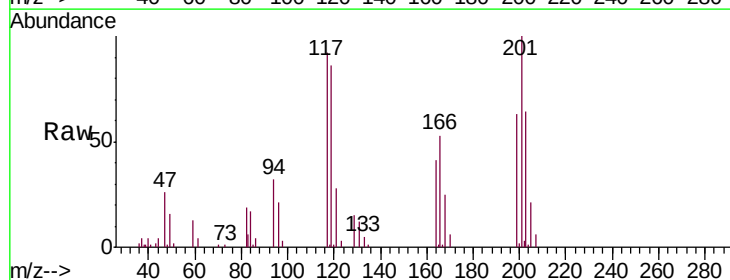
Tgt Ion:117 Resp: 39417

Ion Ratio Lower Upper

117 100

119 93.0 75.8 113.8

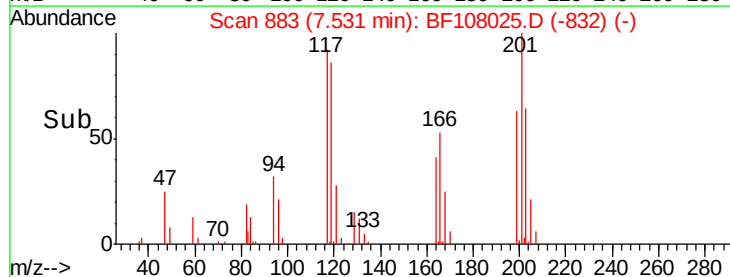
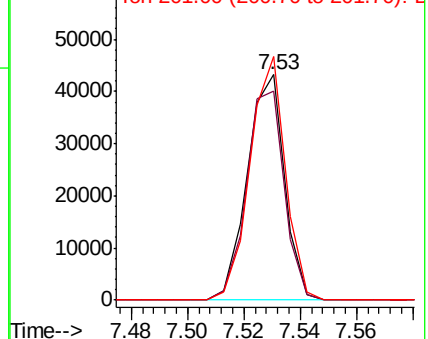
201 108.2 75.7 113.5

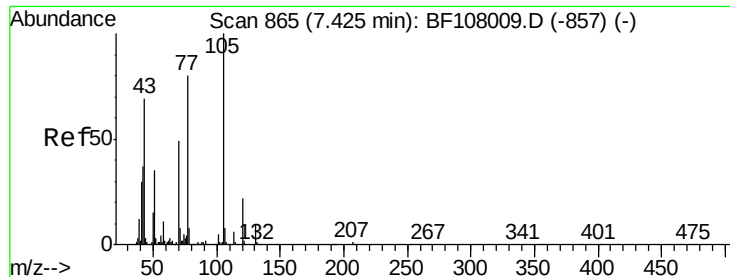


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

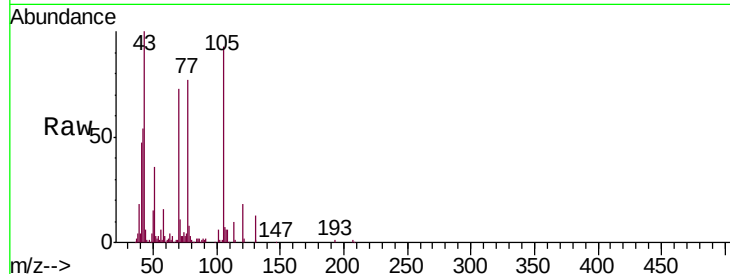




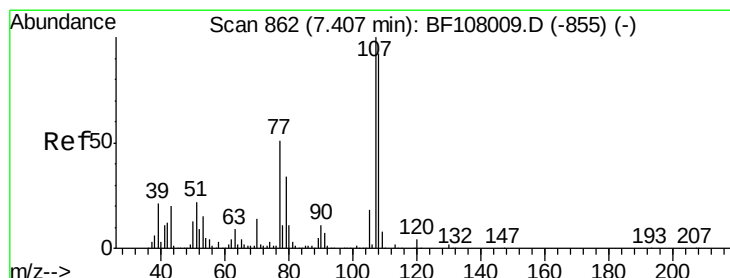
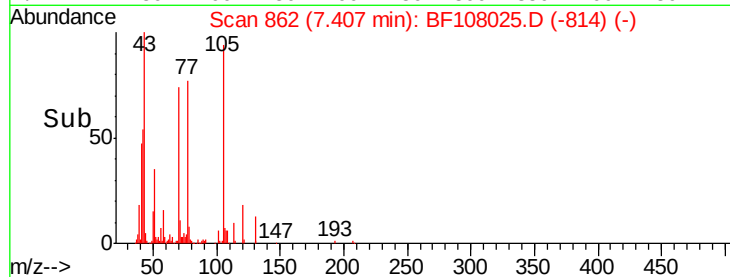
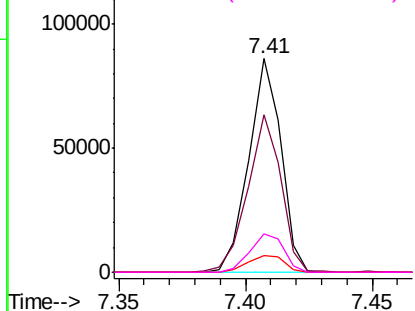
#19
n-Nitroso-di-n-propylamine
Concen: 6.190 ng
RT: 7.41 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 70 Resp: 76668
Ion Ratio Lower Upper
70 100
42 73.5 47.5 71.3#
101 7.5 7.4 11.2
130 17.9 16.6 25.0

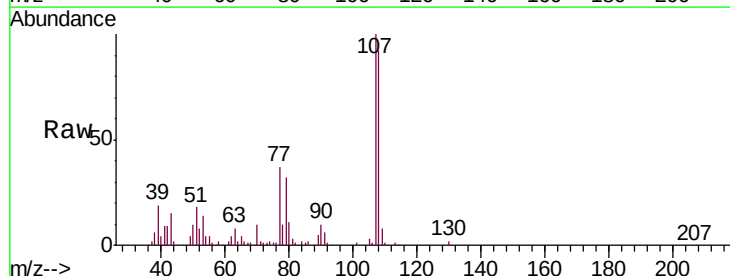


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

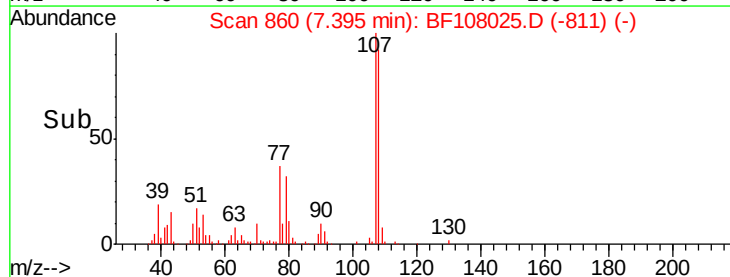
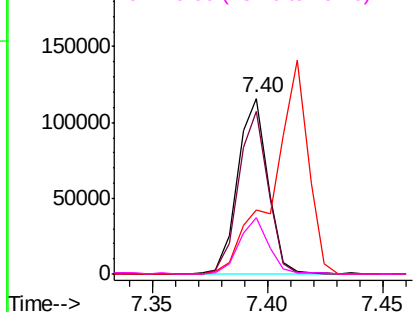


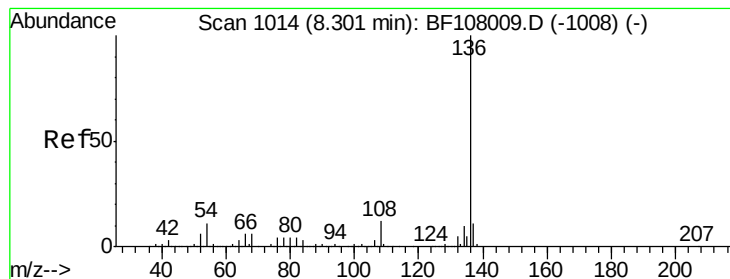
#20
3+4-Methylphenols
Concen: 6.230 ng
RT: 7.40 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion:107 Resp: 106276
Ion Ratio Lower Upper
107 100
108 92.4 68.2 108.2
77 36.8 26.7 66.7
79 31.9 6.3 46.3



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): BF1
Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion:136 Resp: 983168

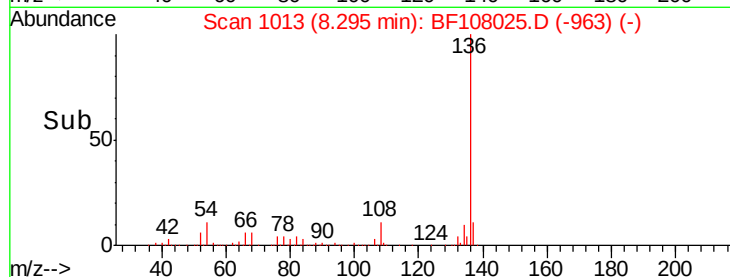
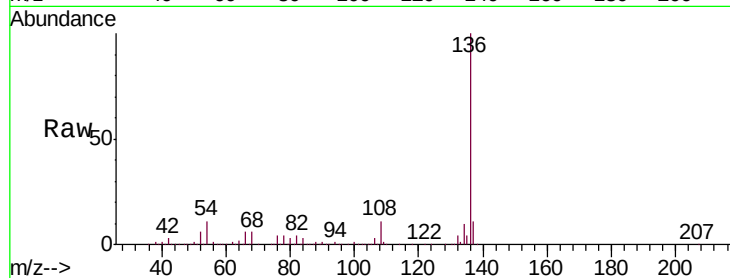
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 11.3 6.6 9.8#

68 6.5 5.0 7.4

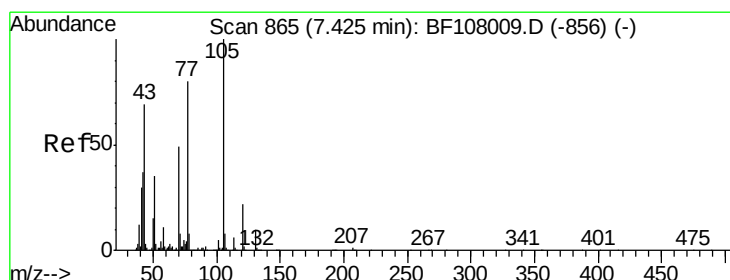
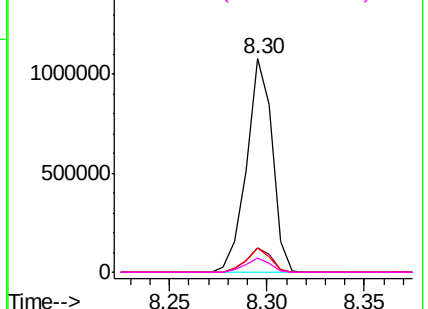


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 6.418 ng

RT: 7.41 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion:105 Resp: 147539

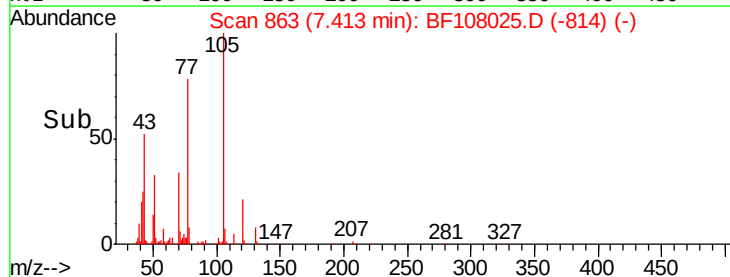
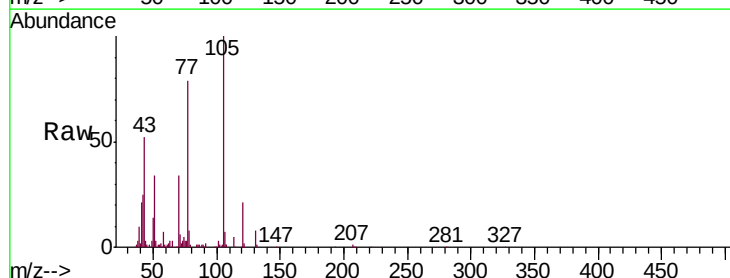
Ion Ratio Lower Upper

105 100

71 5.8 4.4 6.6

51 34.1 22.3 33.5#

120 21.1 16.9 25.3

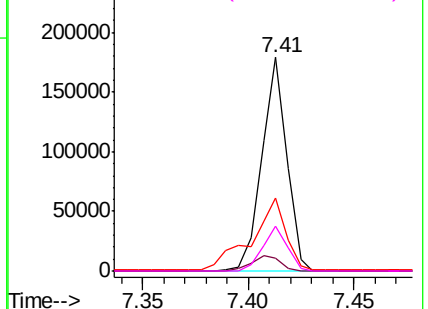


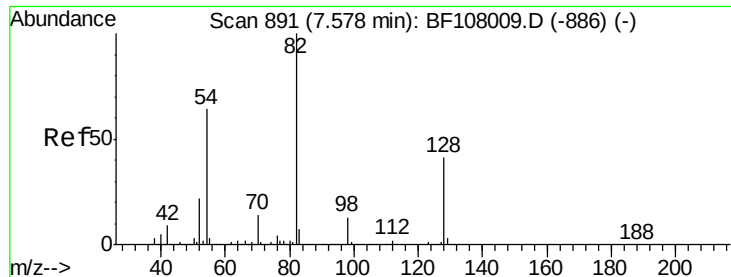
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

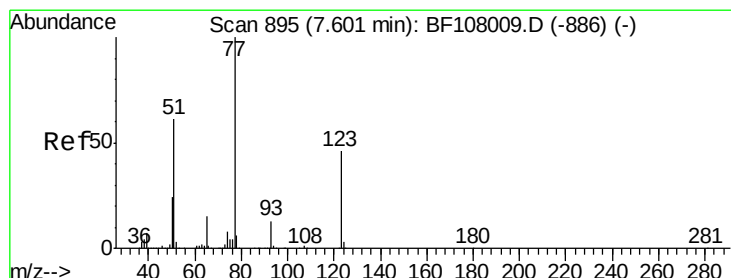
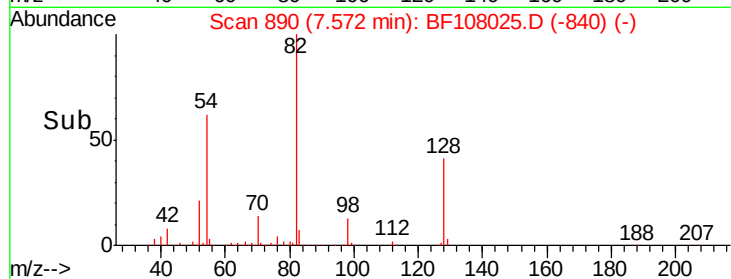
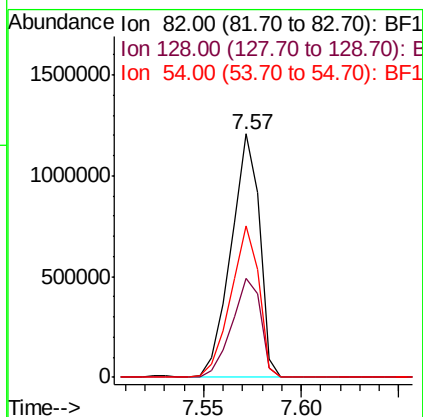
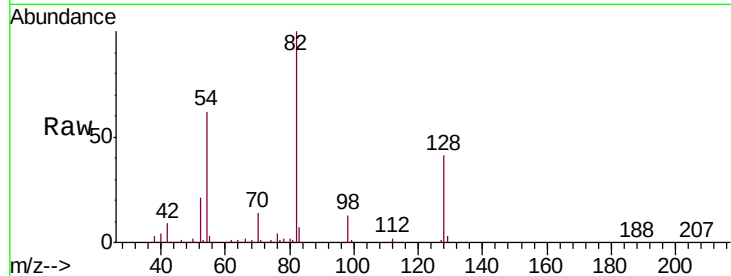




#23
 Nitrobenzene-d5
 Concen: 69.192 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

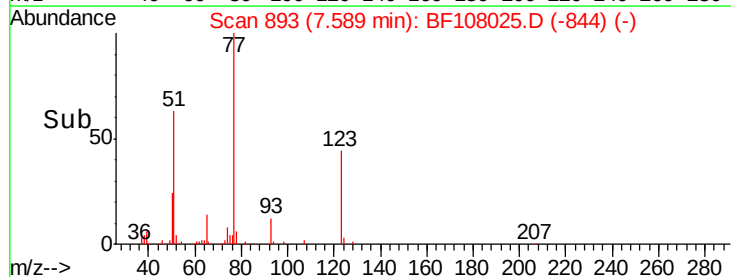
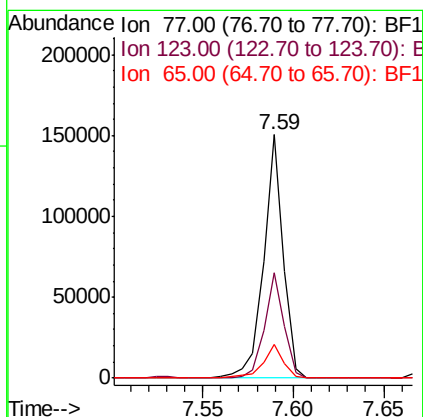
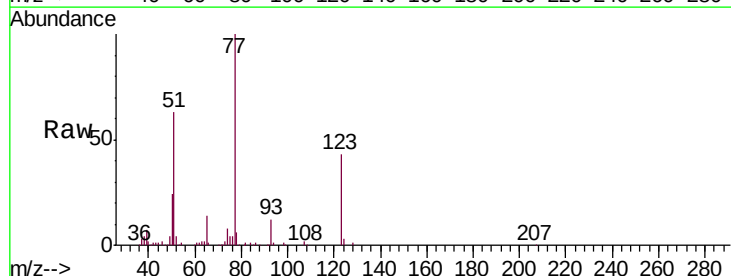
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

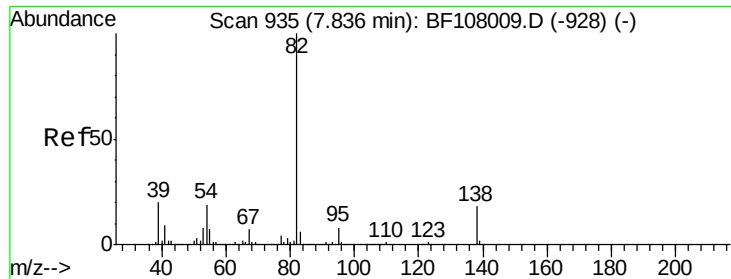
Tgt Ion: 82 Resp: 1219088
 Ion Ratio Lower Upper
 82 100
 128 40.8 36.1 54.1
 54 62.3 41.4 62.2#



#24
 Nitrobenzene
 Concen: 6.362 ng
 RT: 7.59 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion: 77 Resp: 113345
 Ion Ratio Lower Upper
 77 100
 123 43.3 37.9 56.9
 65 13.8 11.0 16.4





#25

Isophorone

Concen: 6.016 ng

RT: 7.82 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

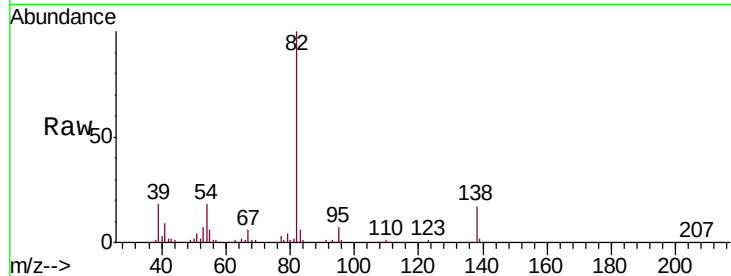
Tgt Ion: 82 Resp: 202039

Ion Ratio Lower Upper

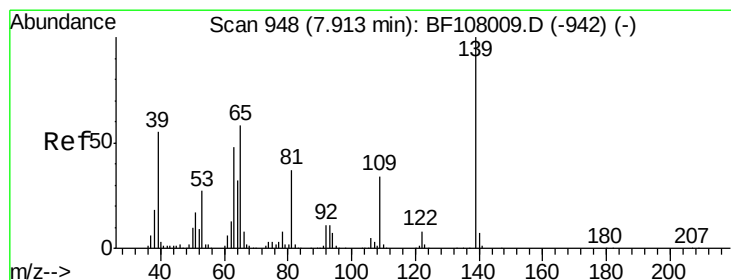
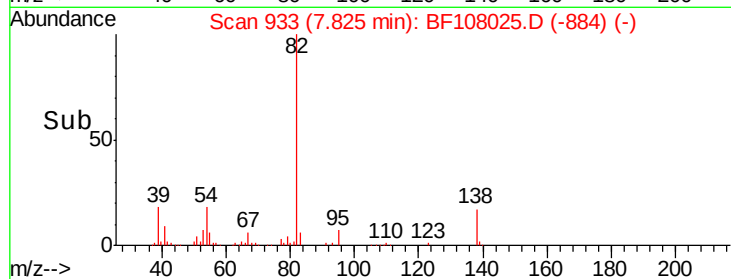
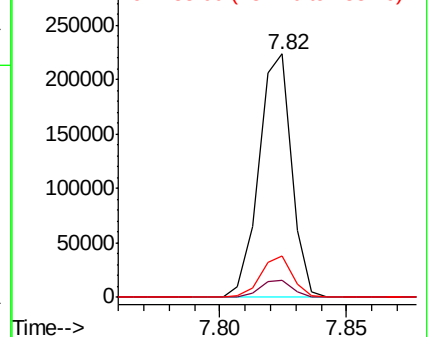
82 100

95 6.8 5.2 7.8

138 17.0 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 4.639 ng

RT: 7.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

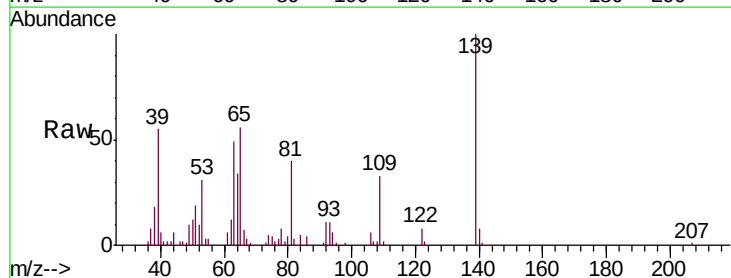
Tgt Ion: 139 Resp: 31210

Ion Ratio Lower Upper

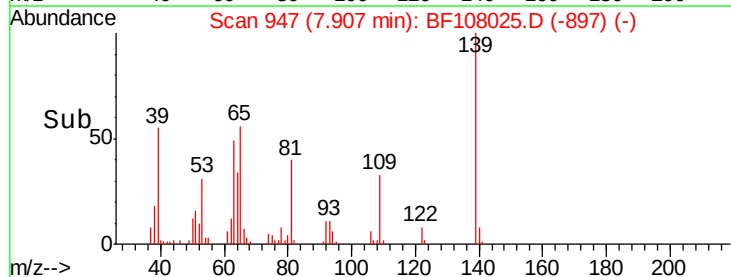
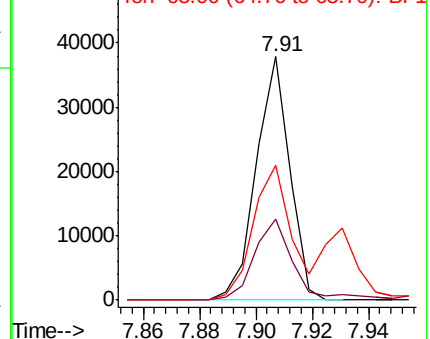
139 100

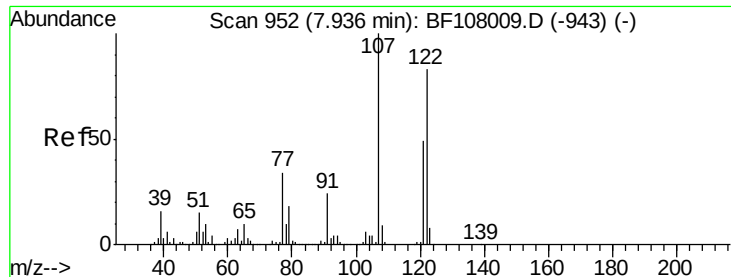
109 33.2 22.7 34.1

65 55.5 40.5 60.7



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

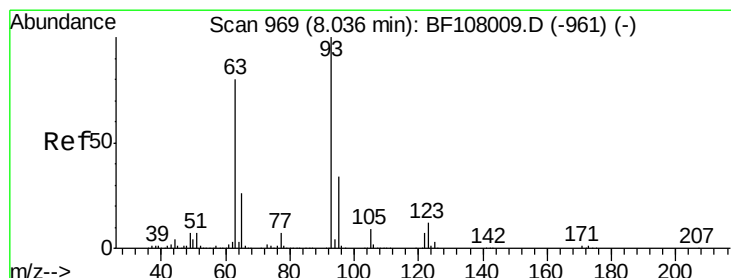
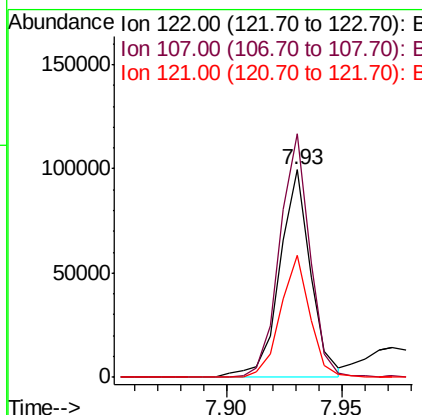
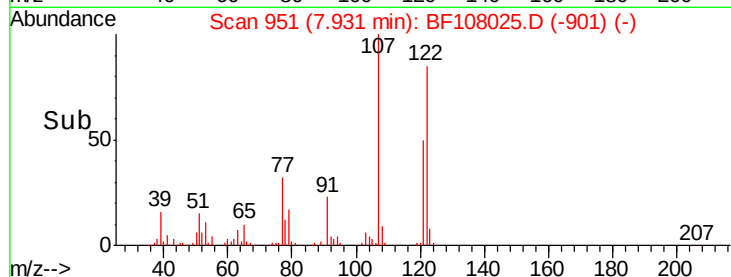
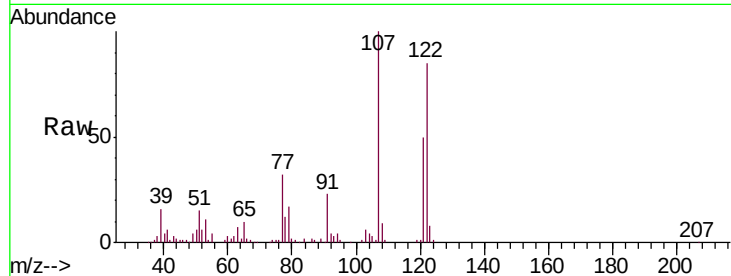




#27
 2,4-Dimethylphenol
 Concen: 6.179 ng
 RT: 7.93 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

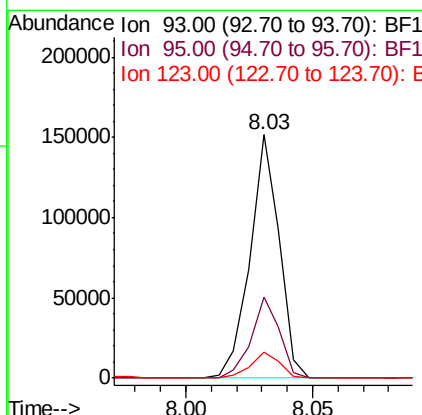
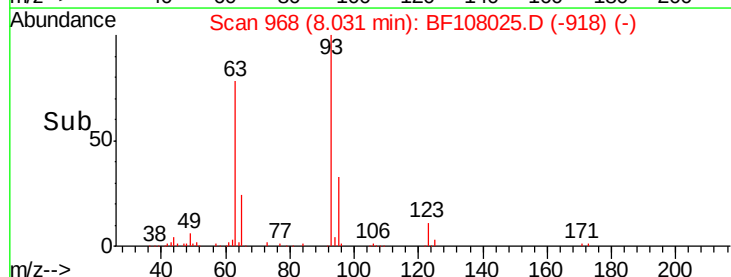
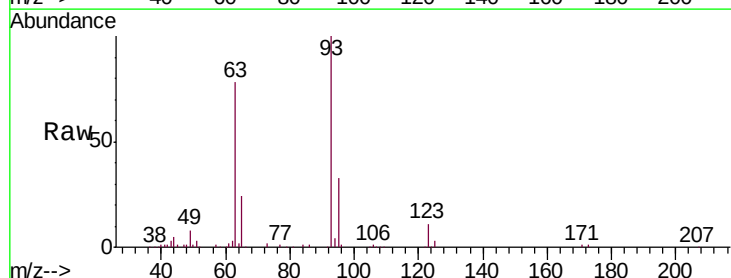
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

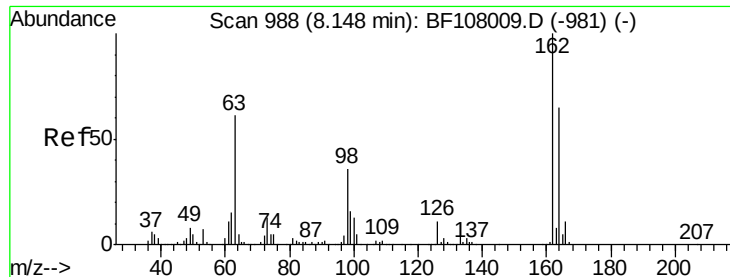
Tgt Ion	Ratio	Lower	Upper
122	100		
107	117.3	91.2	136.8
121	58.7	47.2	70.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 6.187 ng
 RT: 8.03 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.3	39.5
123	10.7	9.8	14.6

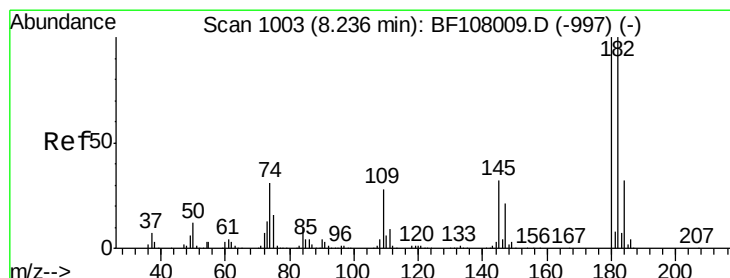
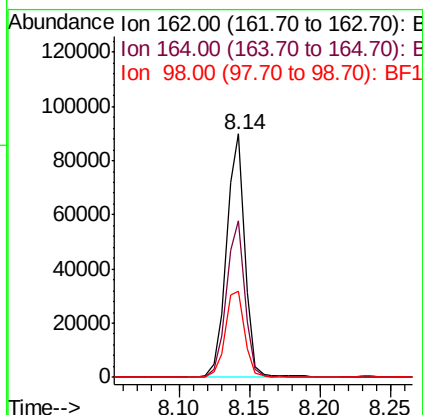
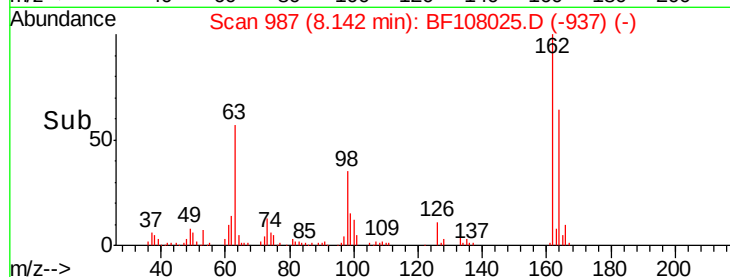
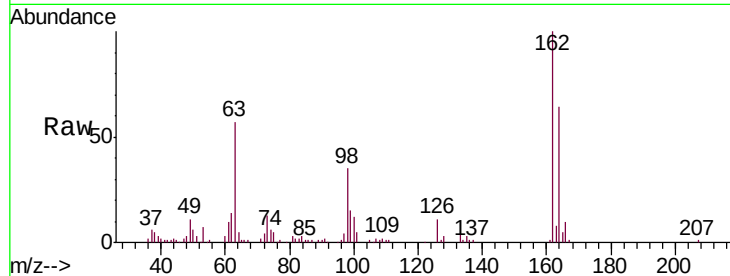




#29
2,4-Dichlorophenol
Concen: 5.923 ng
RT: 8.14 min Scan# 987
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

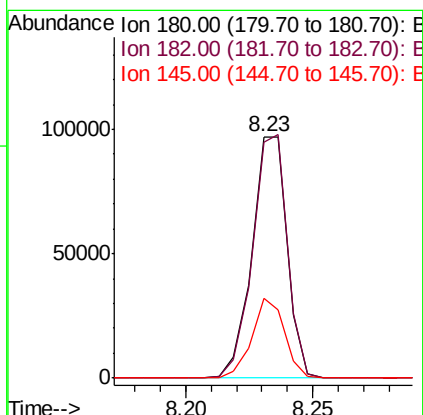
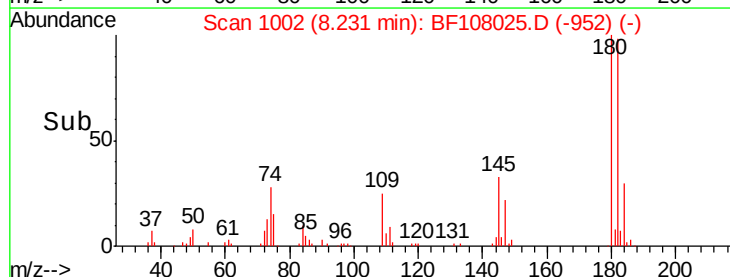
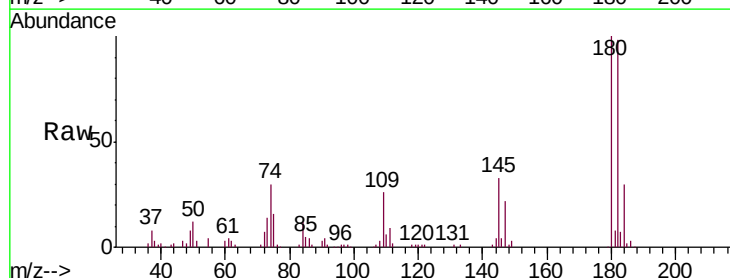
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

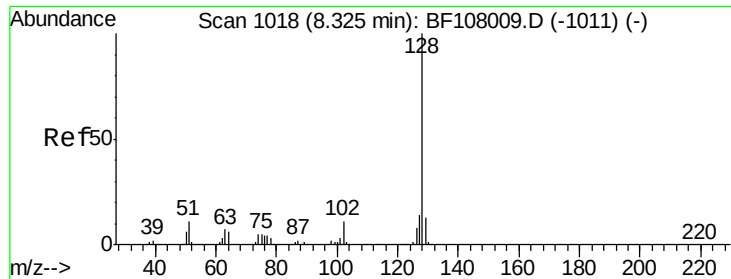
Tgt Ion:162 Resp: 81239
Ion Ratio Lower Upper
162 100
164 64.2 42.7 82.7
98 35.4 18.1 58.1



#30
1,2,4-Trichlorobenzene
Concen: 6.233 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion:180 Resp: 94260
Ion Ratio Lower Upper
180 100
182 97.6 76.8 115.2
145 32.8 26.5 39.7

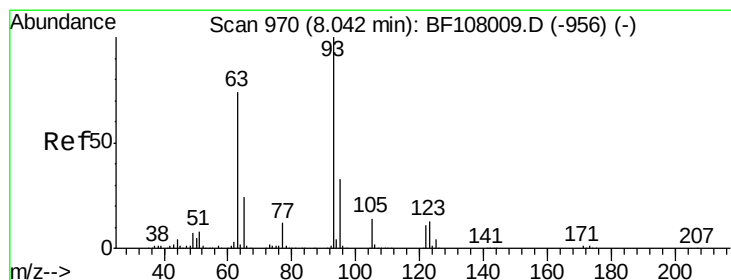
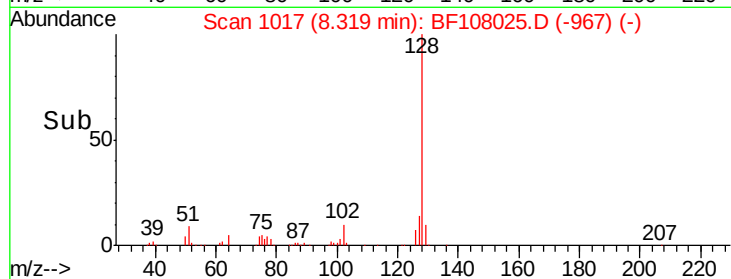
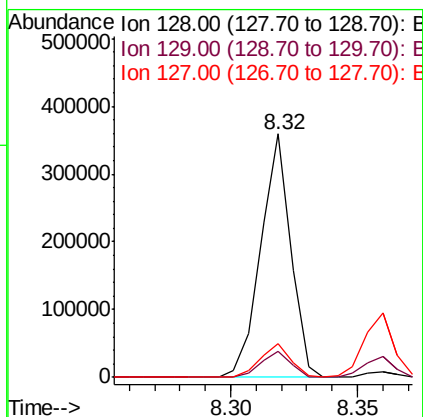
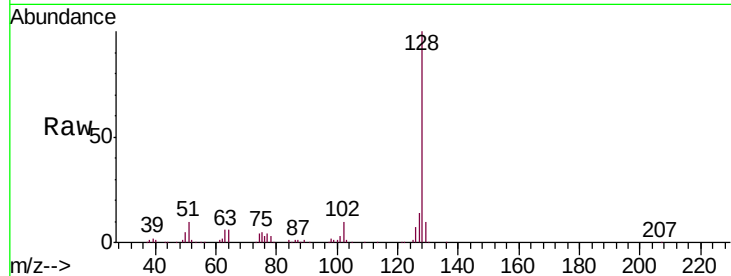




#31
Naphthalene
Concen: 6.619 ng
RT: 8.32 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

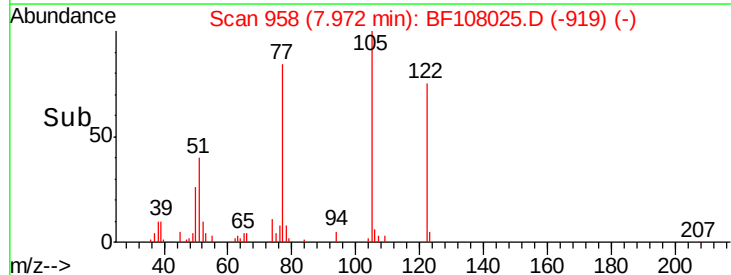
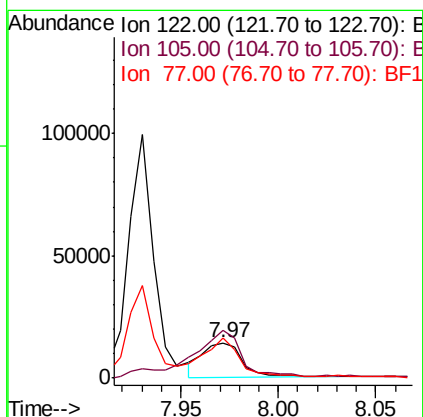
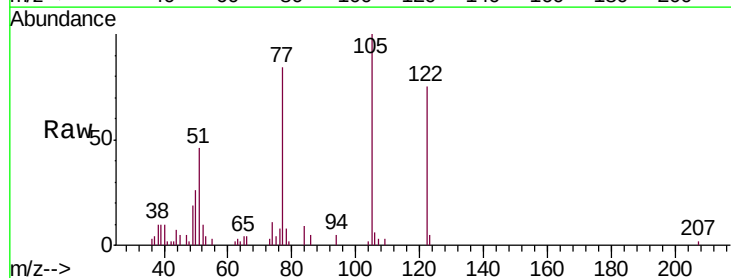
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

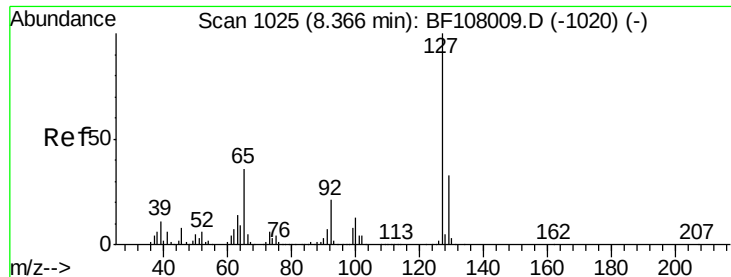
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	13.6	10.9	16.3



#32
Benzoic acid
Concen: 7.981 ng
RT: 7.97 min Scan# 958
Delta R.T. -0.07 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
122	100		
105	133.4	101.1	141.1
77	111.5	70.7	110.7

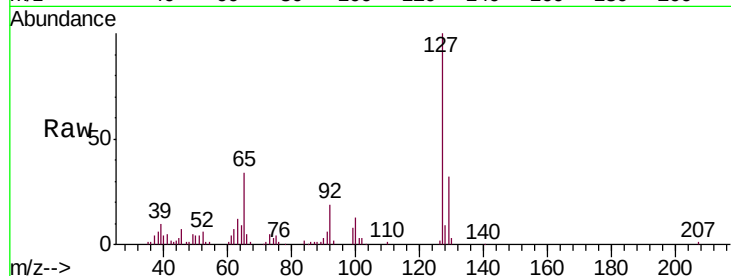




#33
4-Chloroaniline
Concen: 3.954 ng
RT: 8.36 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:	127	Resp:	77043
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.9	38.9
65	33.6	25.0	37.4
92	18.7	15.2	22.8



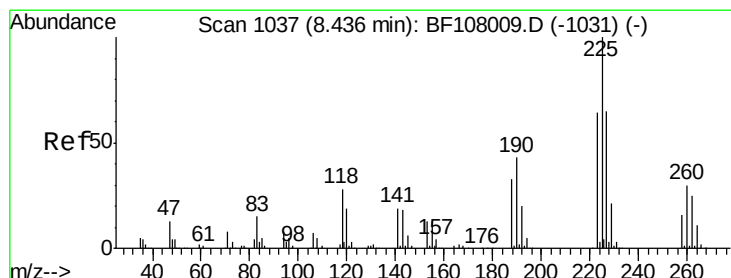
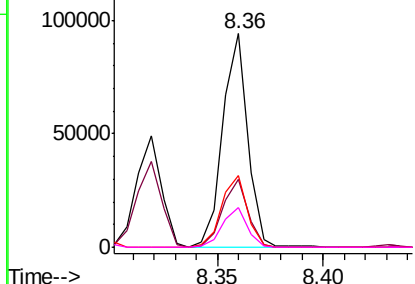
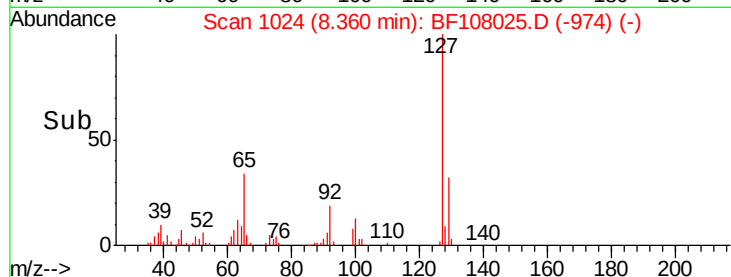
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

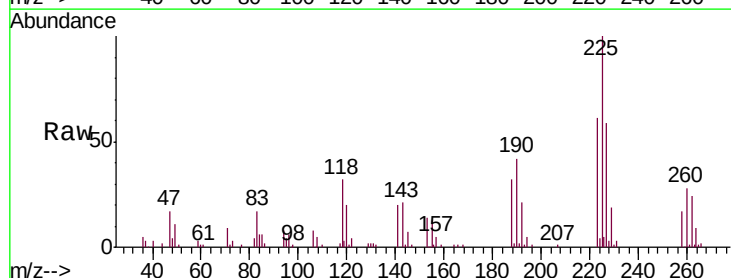
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 6.114 ng
RT: 8.43 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion:	225	Resp:	58531
Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.6	76.0
227	59.2	51.9	77.9

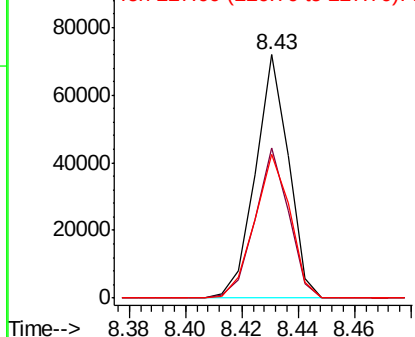
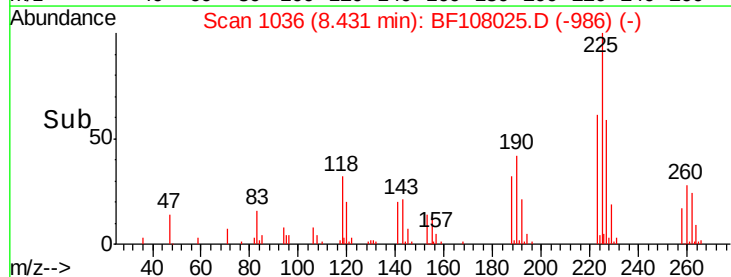


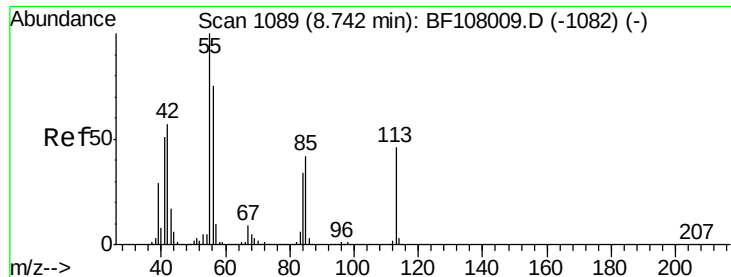
Abundance

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

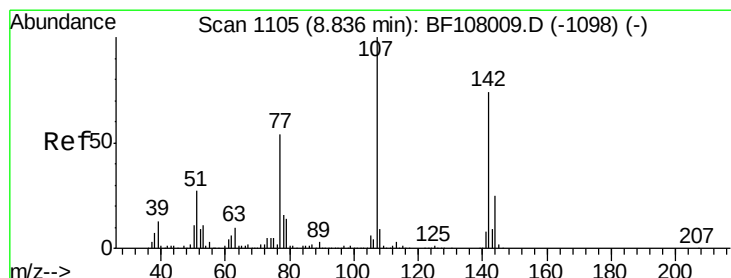
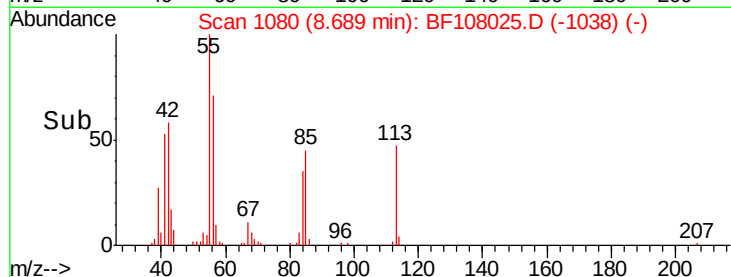
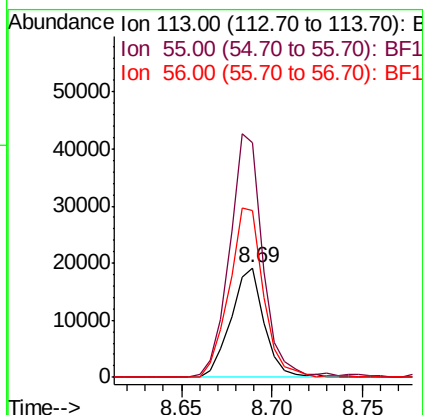
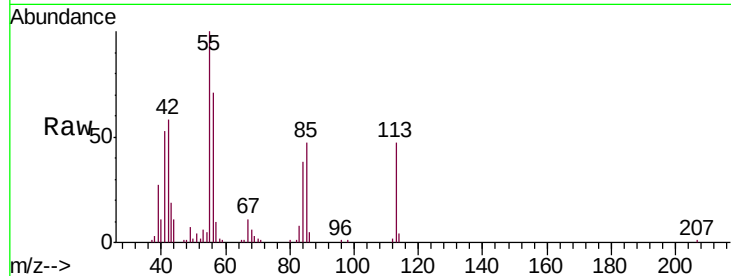




#35
 Caprolactam
 Concen: 5.708 ng
 RT: 8.69 min Scan# 1080
 Delta R.T. -0.05 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

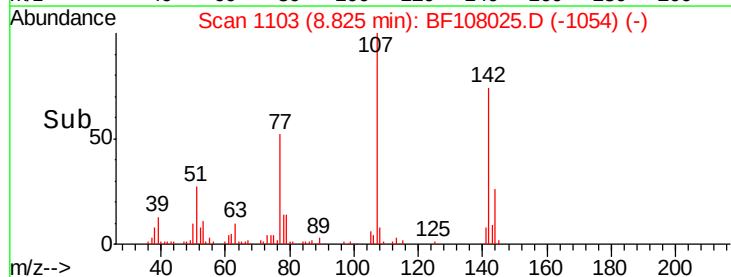
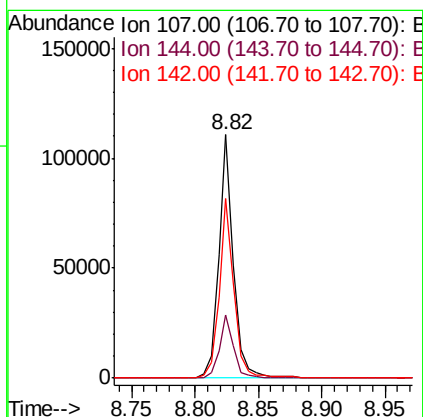
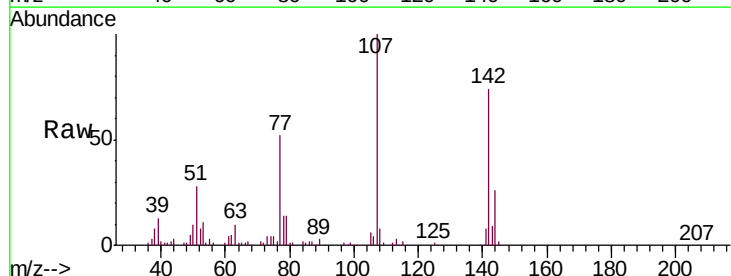
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

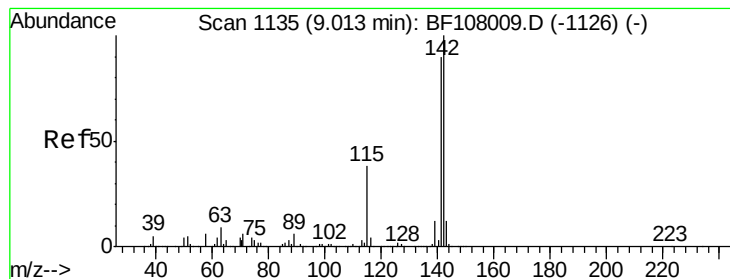
Tgt Ion:113 Resp: 24536
 Ion Ratio Lower Upper
 113 100
 55 214.2 163.3 203.3#
 56 152.6 115.7 155.7



#36
 4-Chloro-3-methylphenol
 Concen: 6.102 ng
 RT: 8.82 min Scan# 1103
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion:107 Resp: 90286
 Ion Ratio Lower Upper
 107 100
 144 26.0 20.5 30.7
 142 73.6 62.0 93.0





#37

2-Methylnaphthalene

Concen: 6.687 ng

RT: 9.01 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

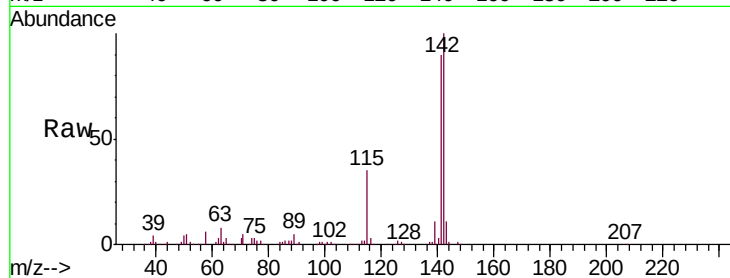
Tgt Ion:142 Resp: 211532

Ion Ratio Lower Upper

142 100

141 90.3 70.8 106.2

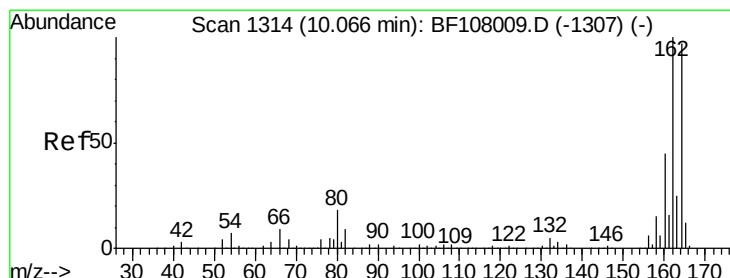
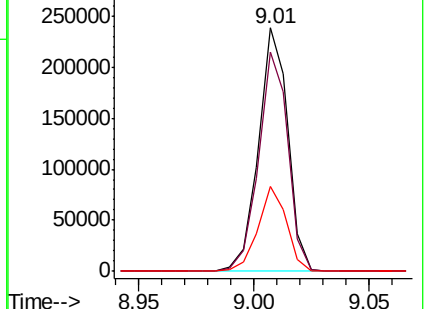
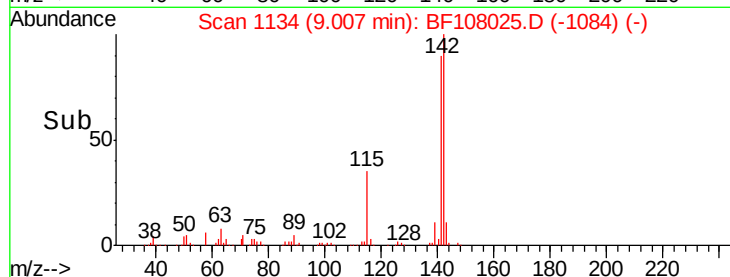
115 34.9 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

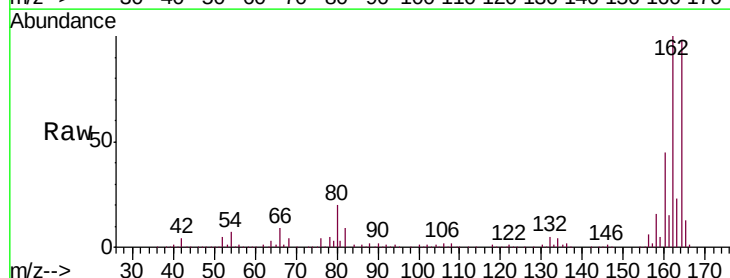
Tgt Ion:164 Resp: 529618

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

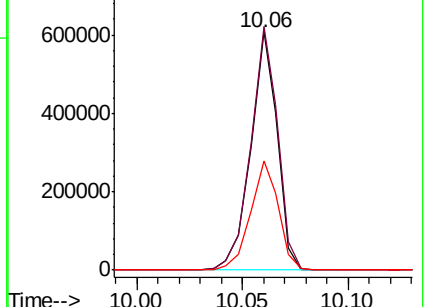
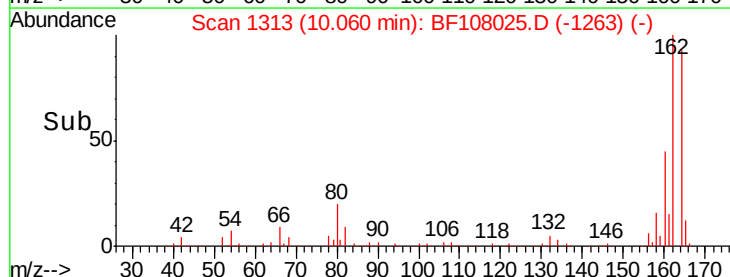
160 45.8 38.3 57.5

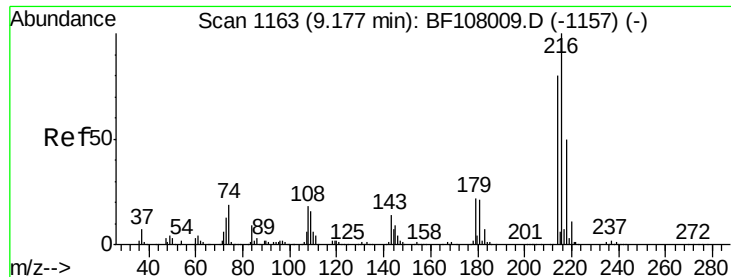


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 6.244 ng

RT: 9.17 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion: 216 Resp: 101545

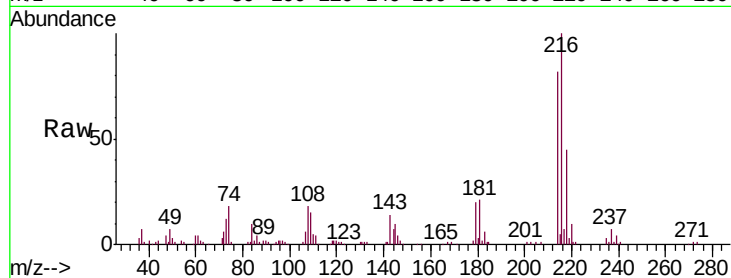
Ion Ratio Lower Upper

216 100

214 80.0 63.0 94.4

179 20.2 18.1 27.1

108 18.9 17.2 25.8

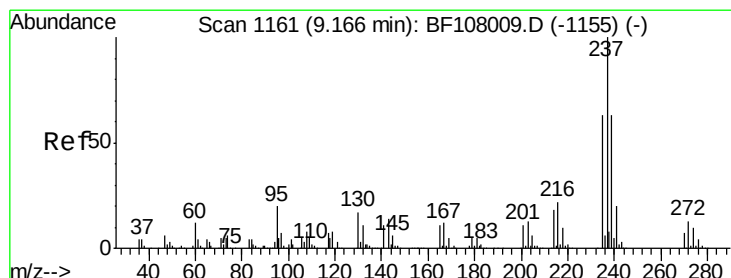
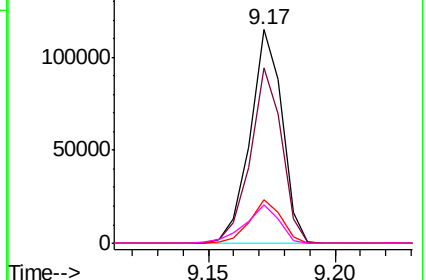
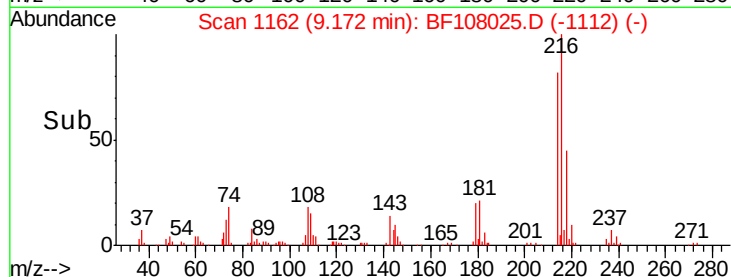


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 5.320 ng

RT: 9.16 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

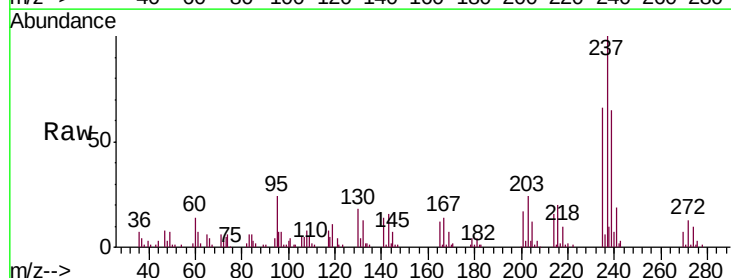
Tgt Ion: 237 Resp: 55883

Ion Ratio Lower Upper

237 100

235 65.9 44.8 84.8

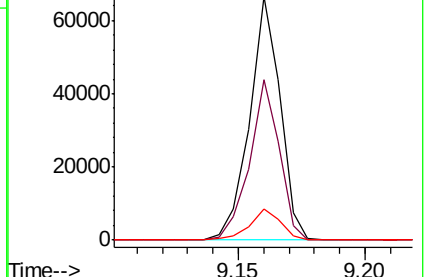
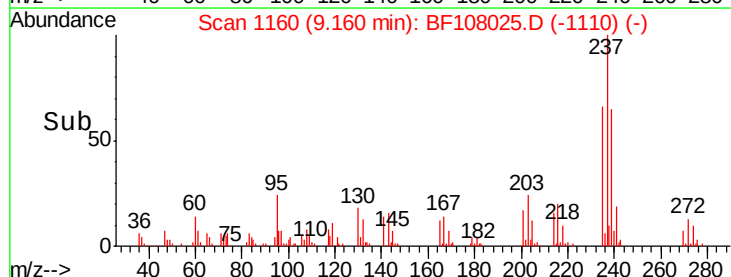
272 12.6 0.0 33.3

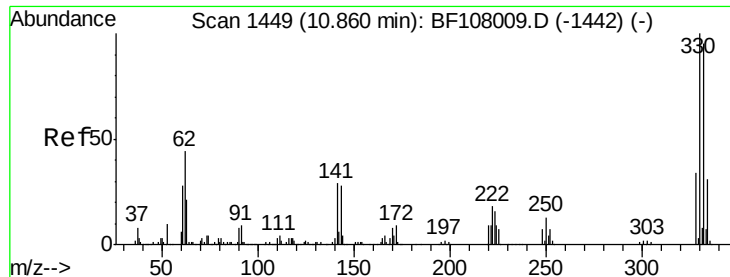


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

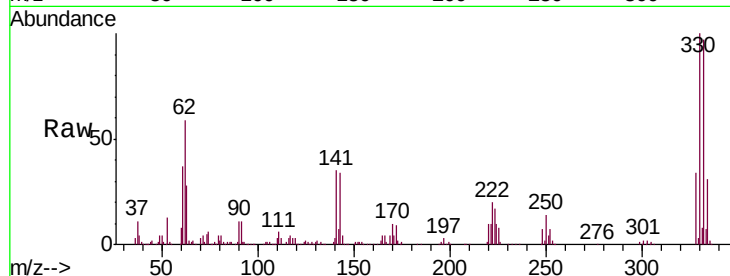




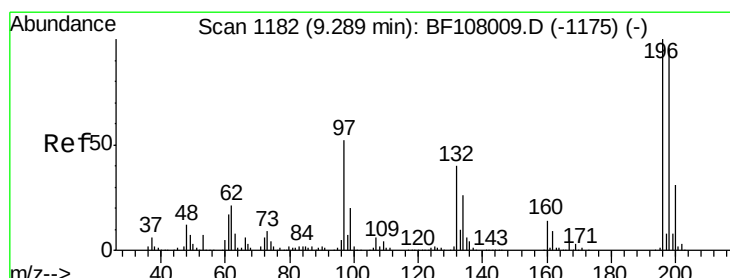
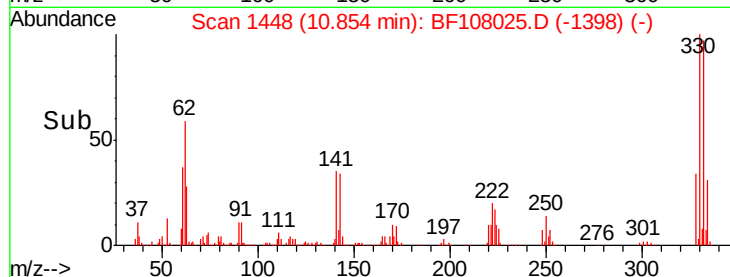
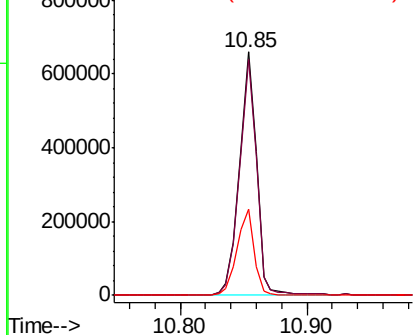
#41
 2,4,6-Tribromophenol
 Concen: 116.441 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tgt Ion:330 Resp: 615137
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 35.3 29.9 44.9

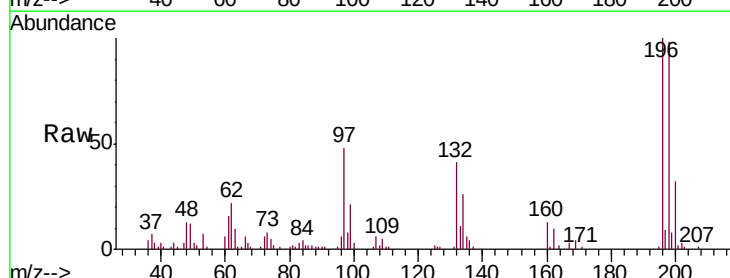


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

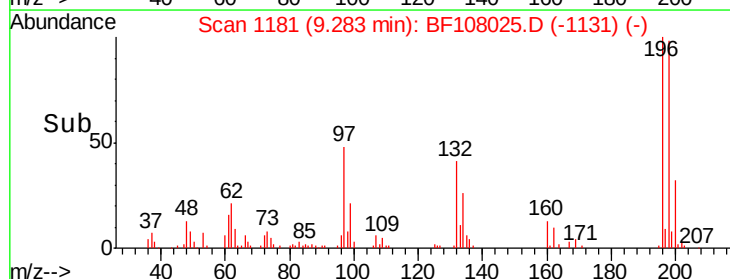
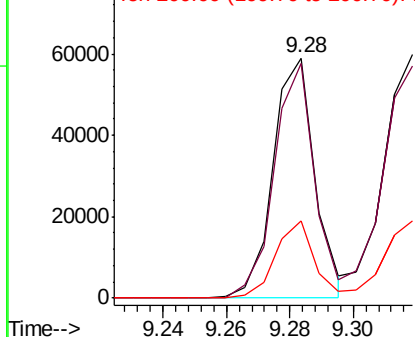


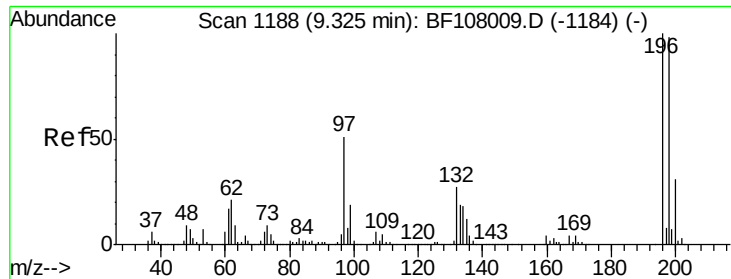
#42
 2,4,6-Trichlorophenol
 Concen: 5.366 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion:196 Resp: 54160
 Ion Ratio Lower Upper
 196 100
 198 97.8 75.7 113.5
 200 32.1 24.5 36.7



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

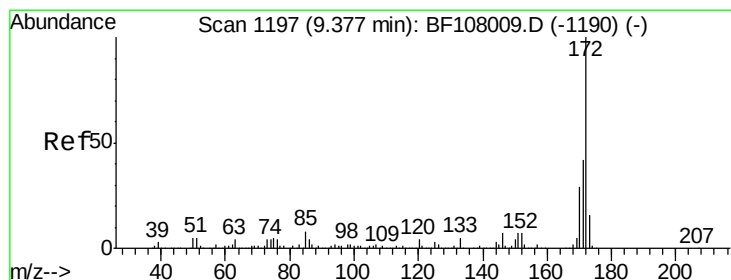
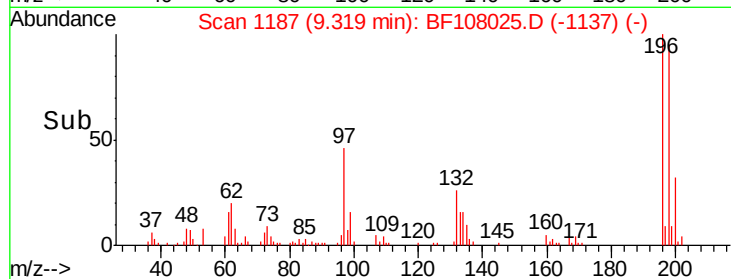
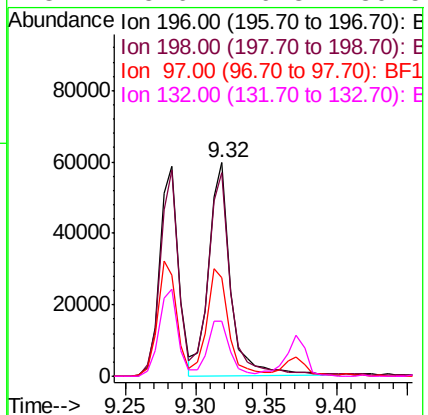
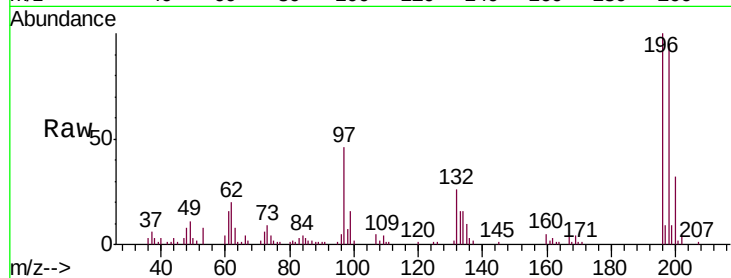




#43
 2,4,5-Trichlorophenol
 Concen: 5.751 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

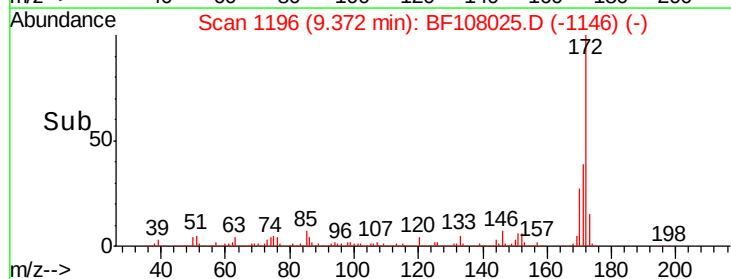
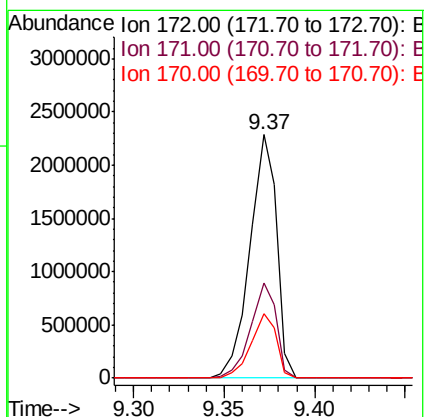
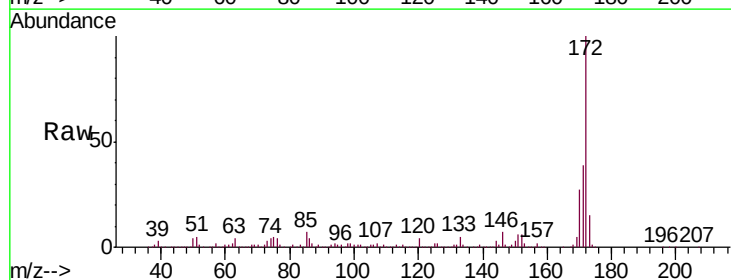
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

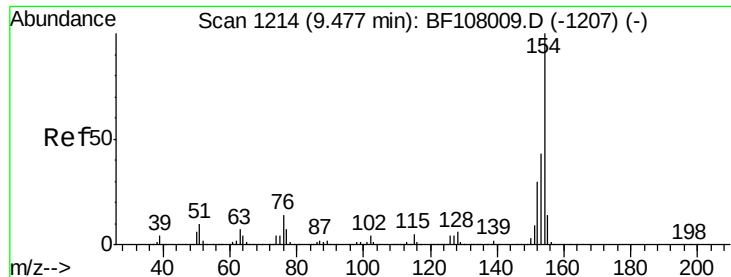
Tgt Ion:196 Resp: 63891
 Ion Ratio Lower Upper
 196 100
 198 95.2 74.6 112.0
 97 46.2 42.9 64.3
 132 25.6 26.3 39.5#



#44
 2-Fluorobiphenyl
 Concen: 70.907 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion:172 Resp: 2339102
 Ion Ratio Lower Upper
 172 100
 171 39.3 29.7 44.5
 170 26.7 19.6 29.4

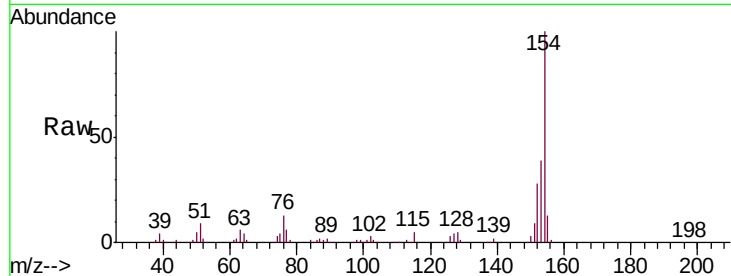




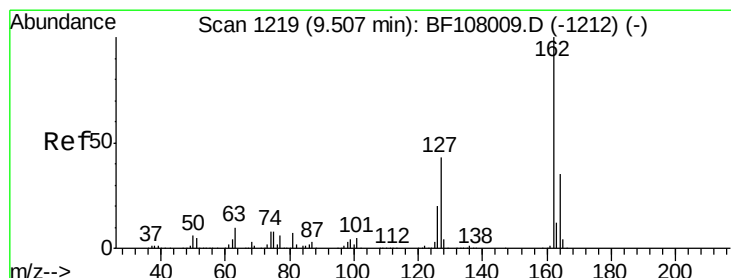
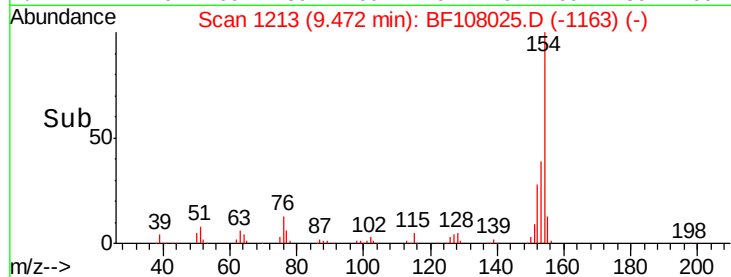
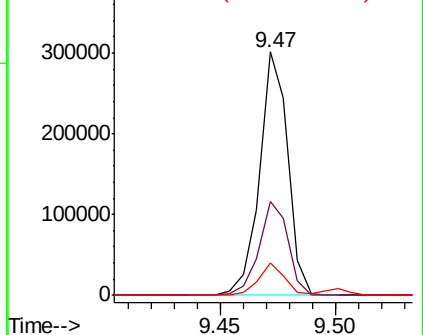
#45
 1,1'-Biphenyl
 Concen: 6.587 ng
 RT: 9.47 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tgt Ion:	154	Resp:	257206
Ion	Ratio	Lower	Upper
154	100		
153	38.7	21.3	61.3
76	13.1	0.0	34.0

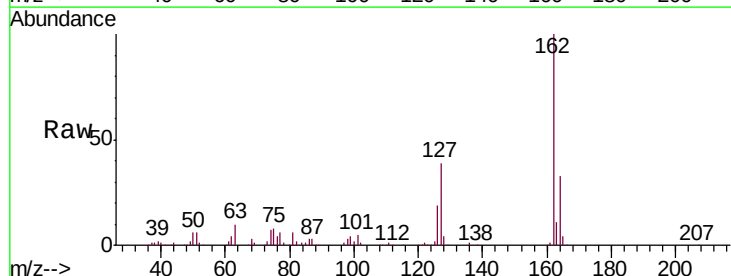


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

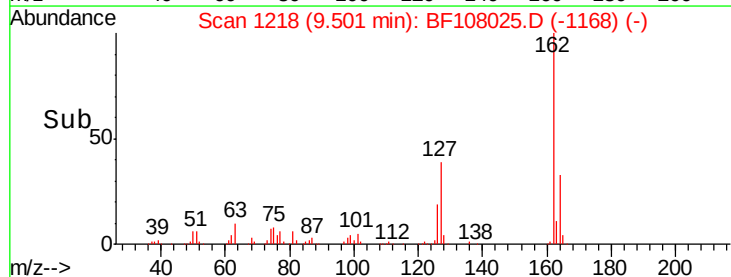
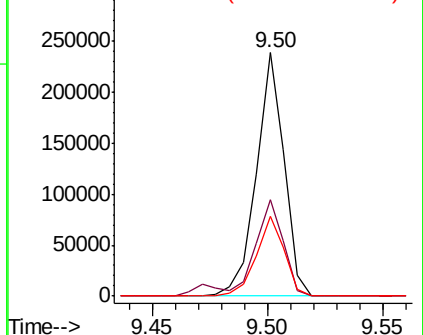


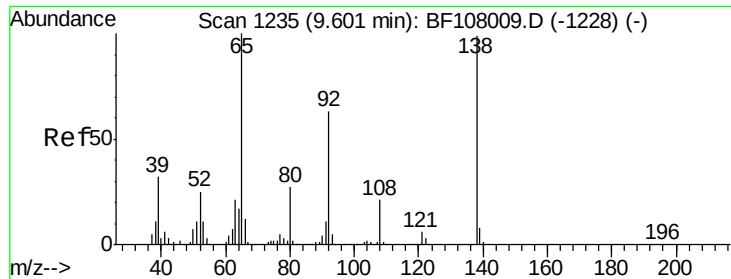
#46
 2-Chloronaphthalene
 Concen: 6.471 ng
 RT: 9.50 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion:	162	Resp:	199715
Ion	Ratio	Lower	Upper
162	100		
127	39.5	33.9	50.9
164	32.5	26.5	39.7



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

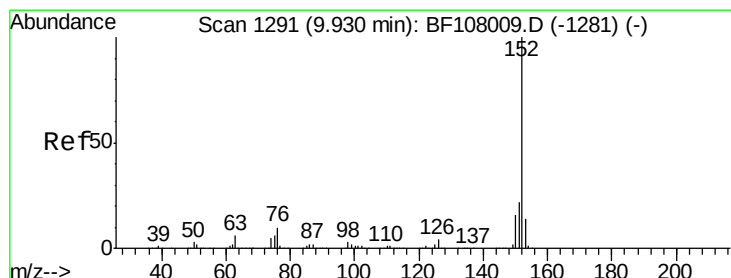
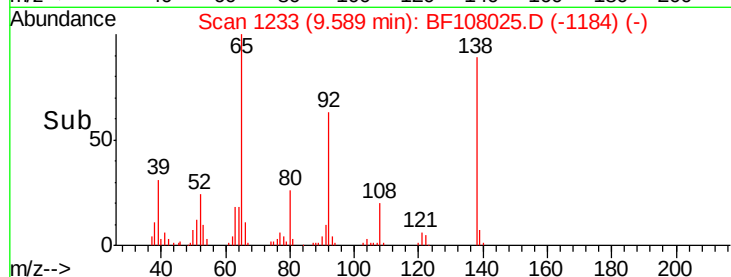
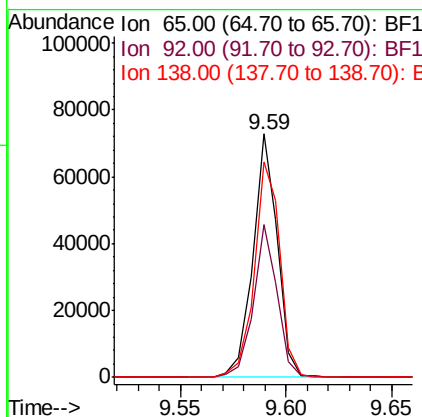
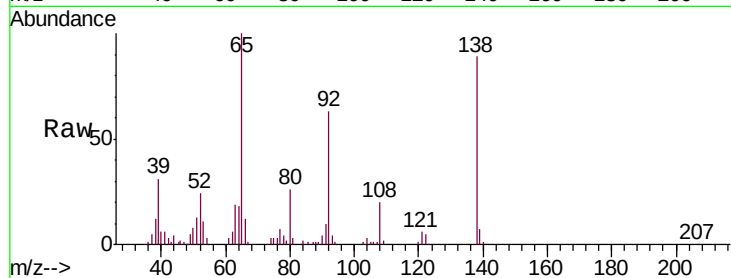




#47
2-Nitroaniline
Concen: 5.877 ng
RT: 9.59 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

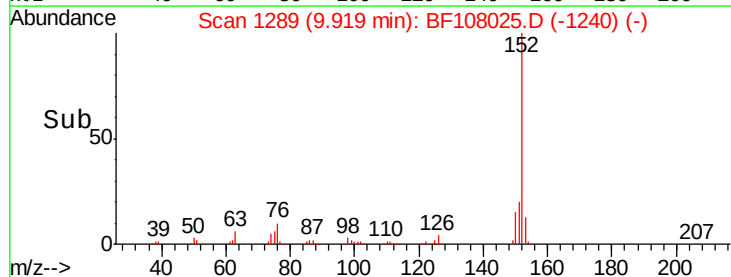
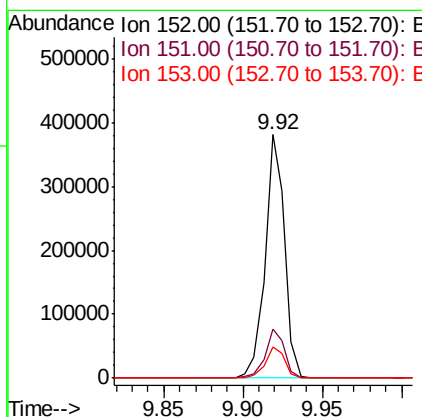
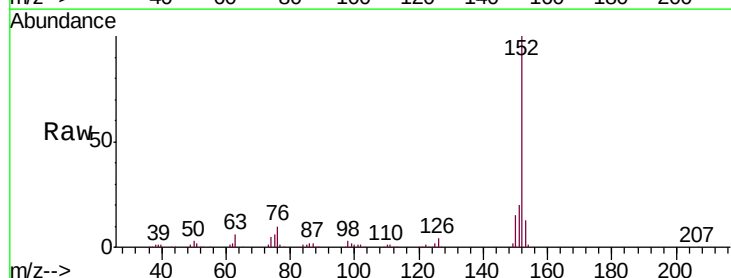
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

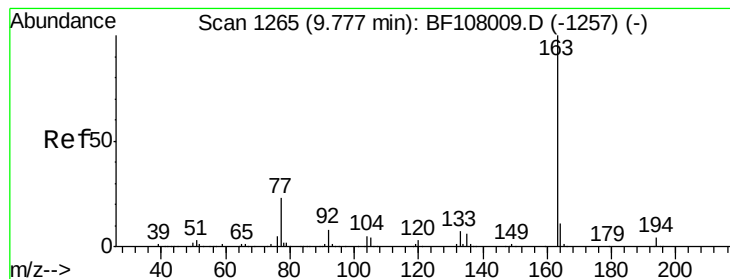
Tgt Ion: 65 Resp: 58689
Ion Ratio Lower Upper
65 100
92 62.8 55.8 83.6
138 88.7 91.2 136.8#



#48
Acenaphthylene
Concen: 6.718 ng
RT: 9.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion: 152 Resp: 327780
Ion Ratio Lower Upper
152 100
151 20.4 16.3 24.5
153 13.0 10.7 16.1





#49

Dimethylphthalate

Concen: 6.540 ng

RT: 9.77 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

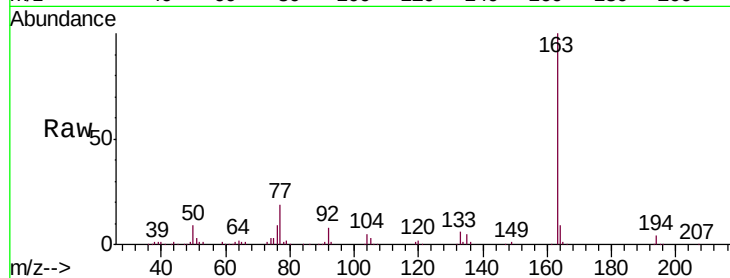
Tgt Ion:163 Resp: 241278

Ion Ratio Lower Upper

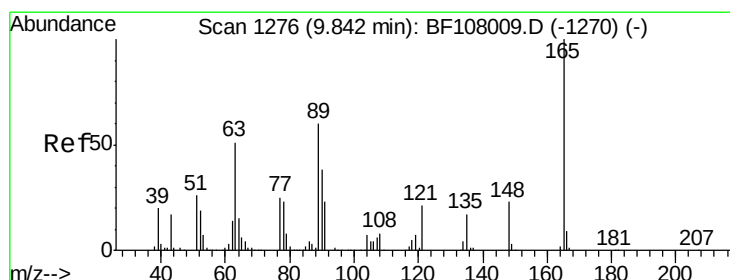
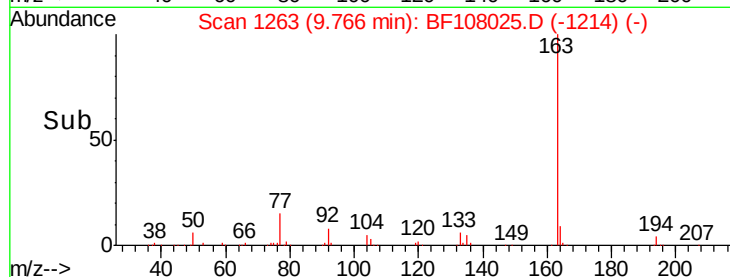
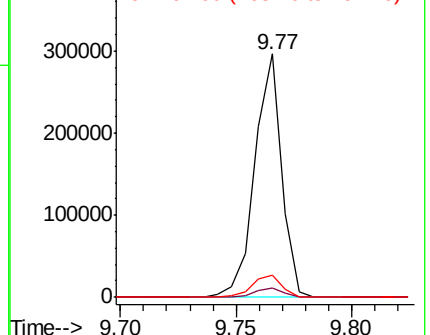
163 100

194 3.9 2.7 4.1

164 9.2 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 5.993 ng

RT: 9.83 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

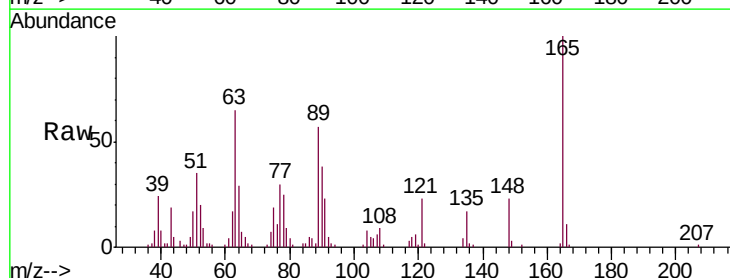
Tgt Ion:165 Resp: 46261

Ion Ratio Lower Upper

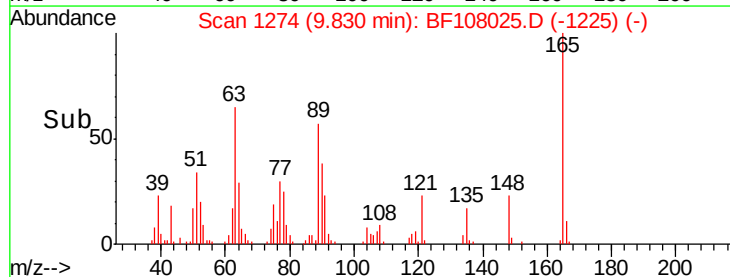
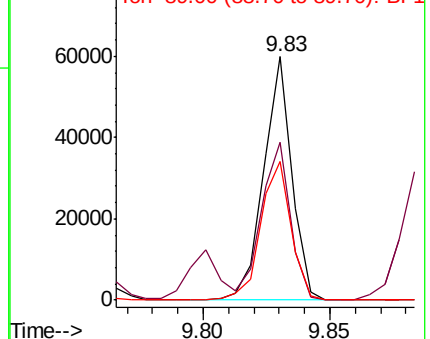
165 100

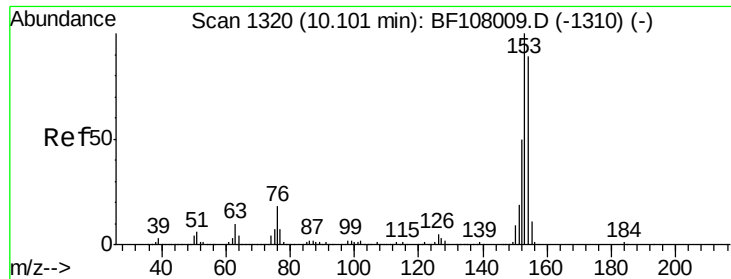
63 64.6 44.7 67.1

89 57.1 44.0 66.0



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 6.561 ng

RT: 10.10 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

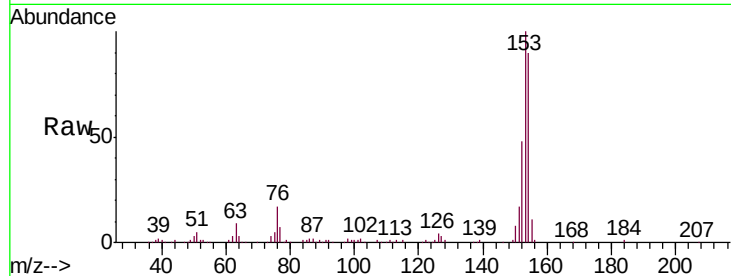
Tgt Ion:154 Resp: 196071

Ion Ratio Lower Upper

154 100

153 110.9 91.2 136.8

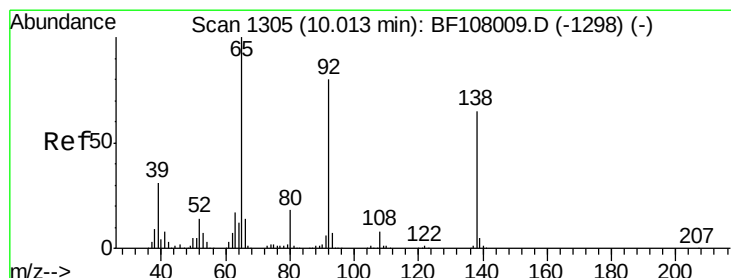
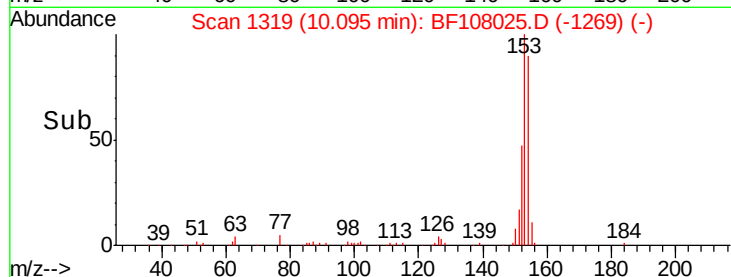
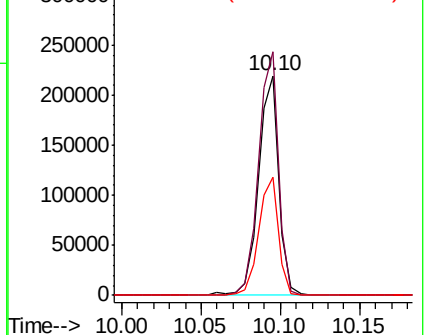
152 53.6 43.8 65.8



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



#52

3-Nitroaniline

Concen: 5.020 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

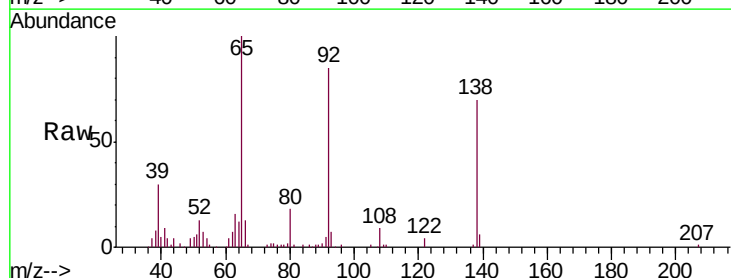
Tgt Ion:138 Resp: 42396

Ion Ratio Lower Upper

138 100

108 12.9 9.4 14.0

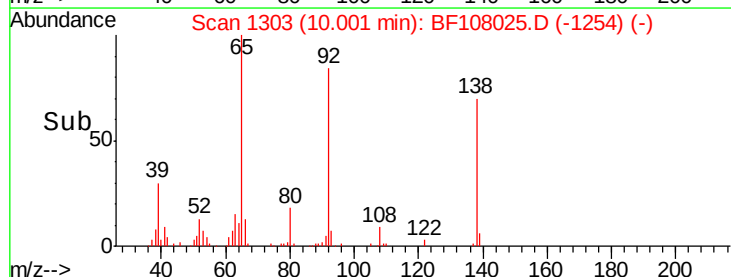
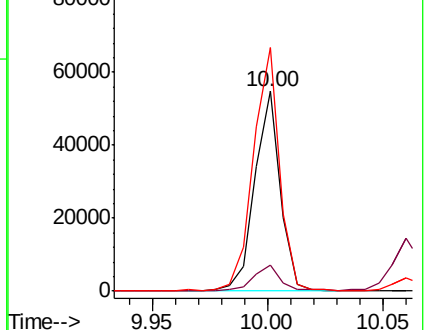
92 122.0 89.4 134.2

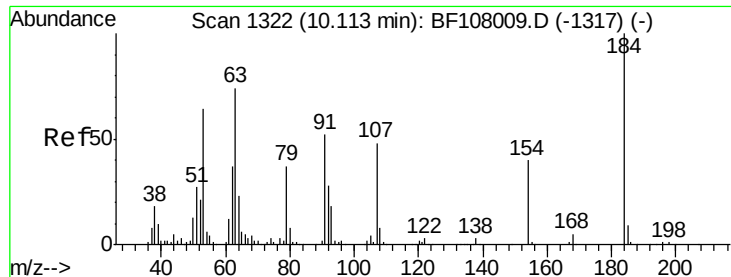


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

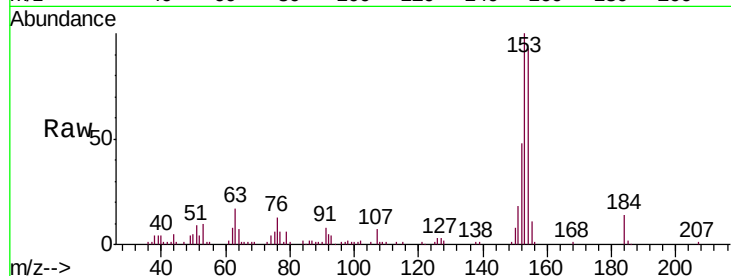




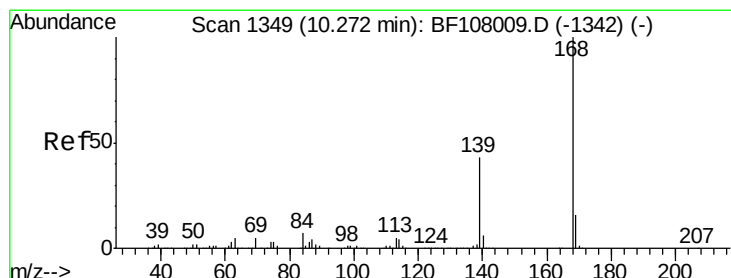
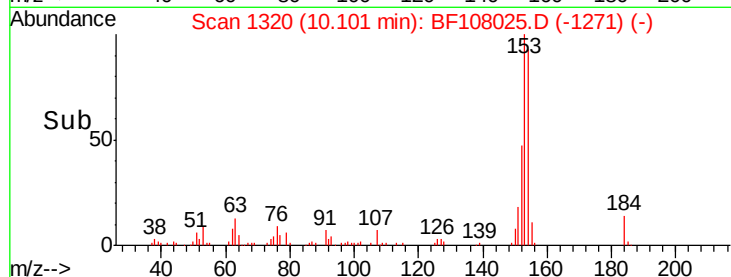
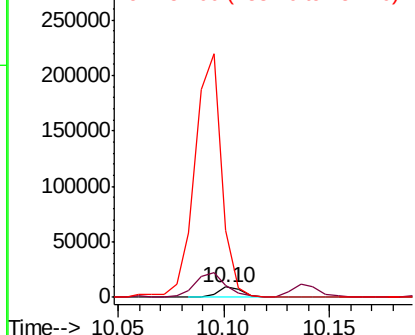
#53
2,4-Dinitrophenol
Concen: 9.474 ng
RT: 10.10 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:184 Resp: 7767
Ion Ratio Lower Upper
184 100
63 119.1 54.2 81.2#
154 669.1 184.0 276.0#

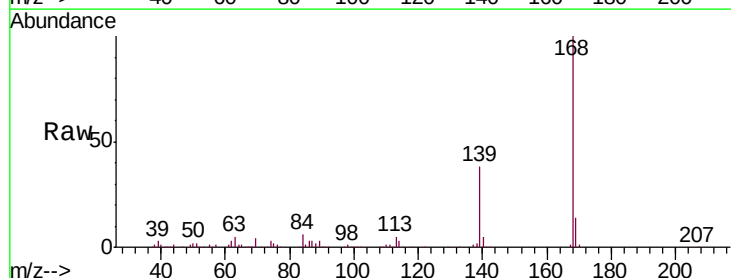


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

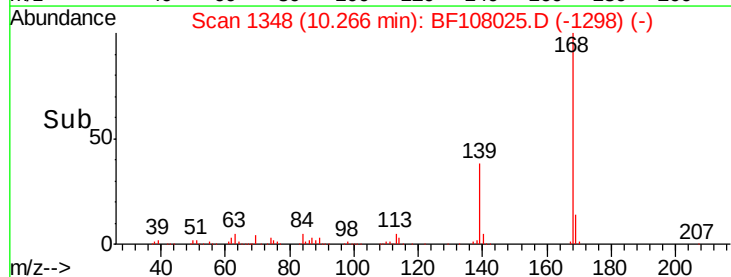
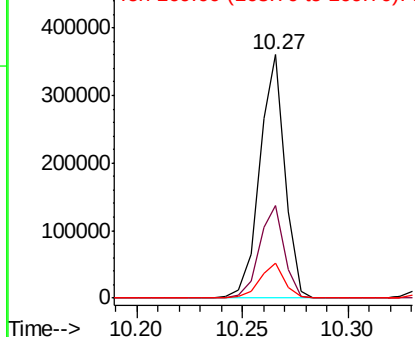


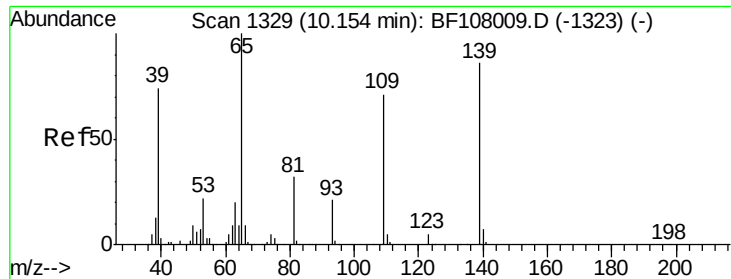
#54
Dibenzofuran
Concen: 6.886 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion:168 Resp: 298137
Ion Ratio Lower Upper
168 100
139 38.1 30.1 45.1
169 14.3 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

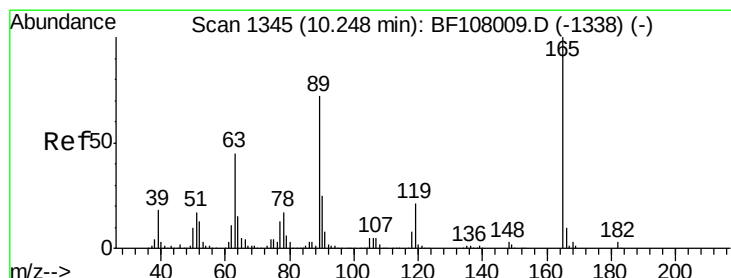
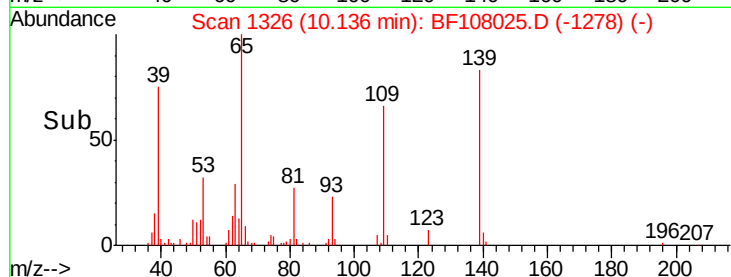
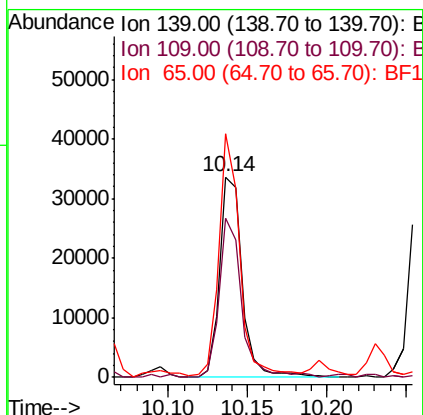
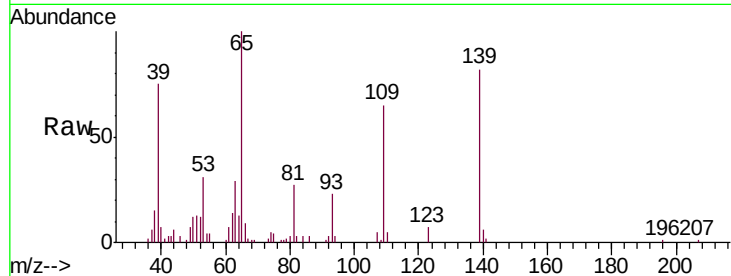




#55
4-Nitrophenol
Concen: 5.200 ng
RT: 10.14 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

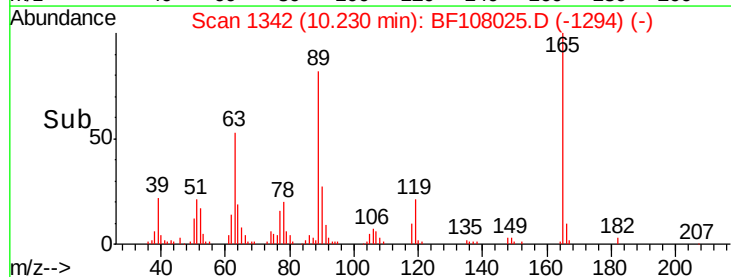
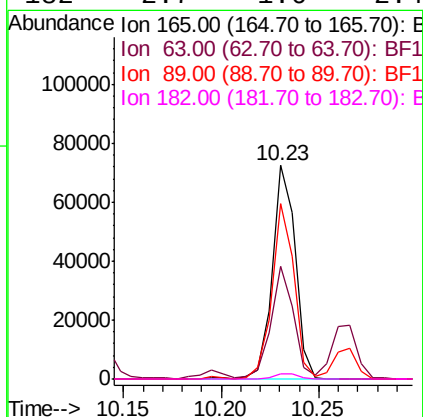
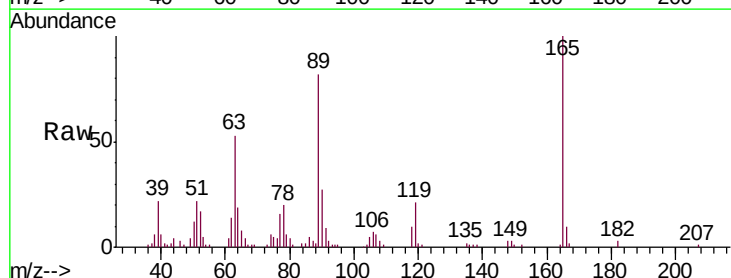
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

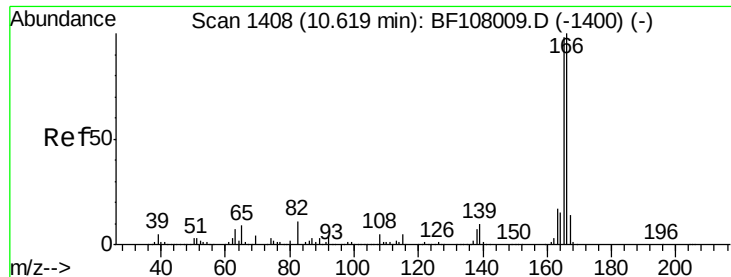
Tgt Ion:139 Resp: 33257
Ion Ratio Lower Upper
139 100
109 79.5 48.4 88.4
65 121.6 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 5.942 ng
RT: 10.23 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion:165 Resp: 59032
Ion Ratio Lower Upper
165 100
63 52.6 36.4 54.6
89 82.1 57.8 86.6
182 2.7 1.6 2.4#

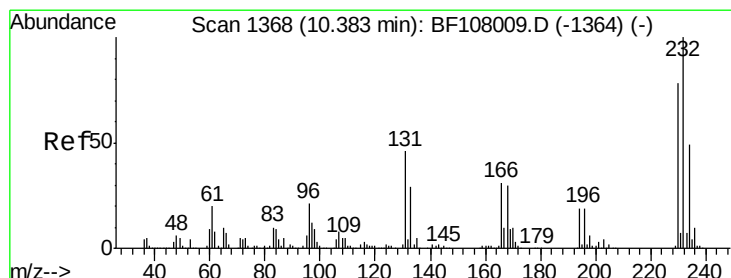
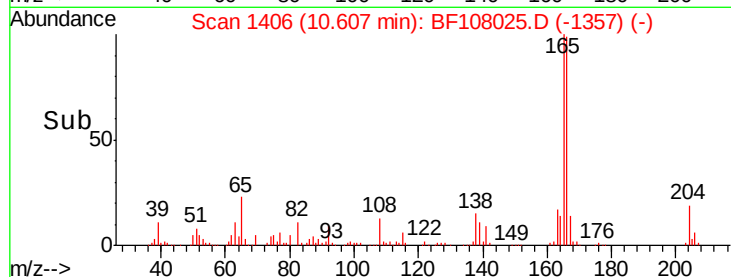
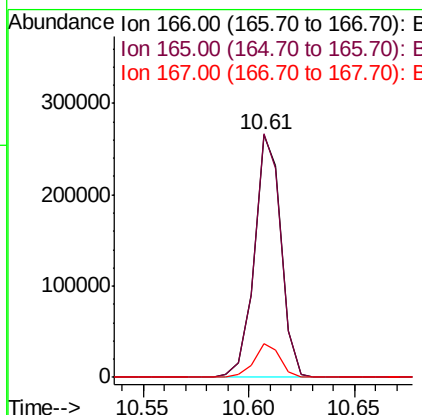
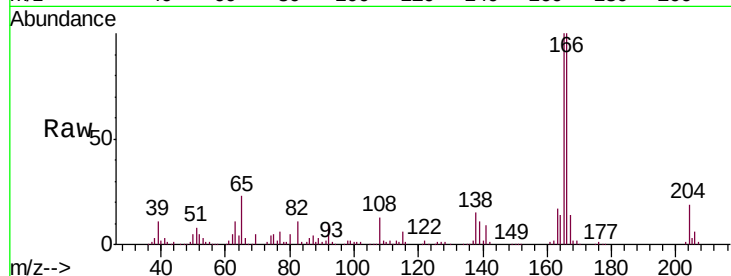




#57
 Fluorene
 Concen: 6.805 ng
 RT: 10.61 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

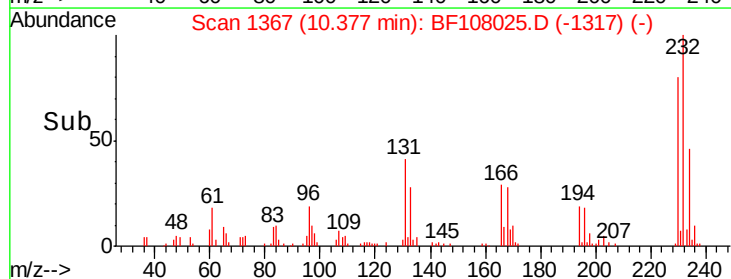
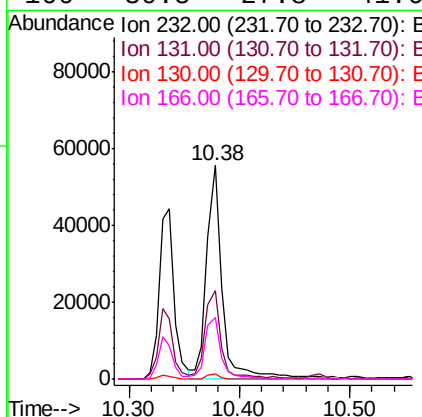
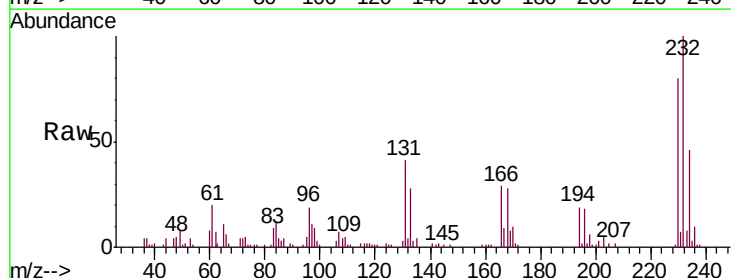
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

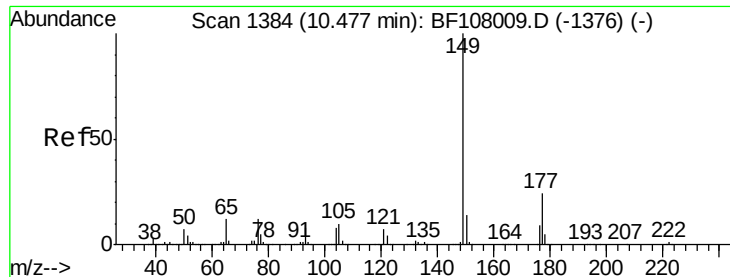
Tgt Ion:166 Resp: 233223
 Ion Ratio Lower Upper
 166 100
 165 100.4 79.8 119.8
 167 13.8 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 5.544 ng
 RT: 10.38 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion:232 Resp: 51485
 Ion Ratio Lower Upper
 232 100
 131 44.8 43.8 65.8
 130 1.8 2.1 3.1#
 166 30.5 27.8 41.6

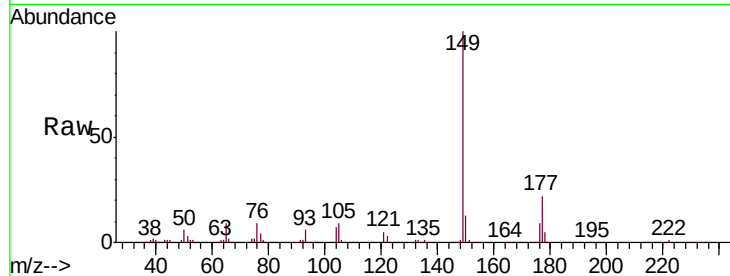




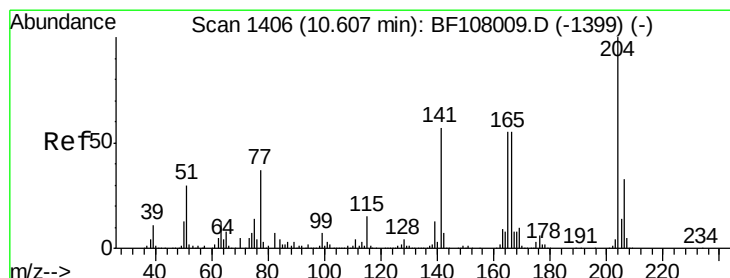
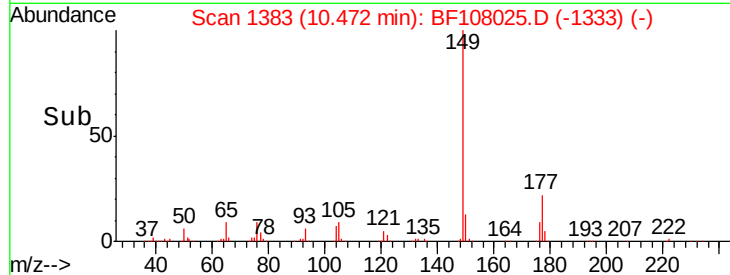
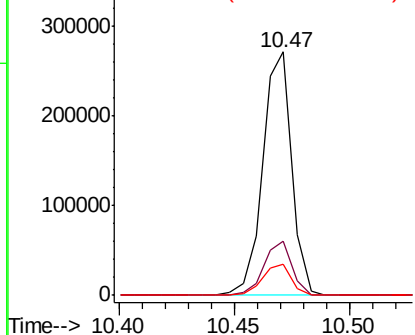
#59
Diethylphthalate
Concen: 6.624 ng
RT: 10.47 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:149 Resp: 236640
Ion Ratio Lower Upper
149 100
177 22.2 16.1 24.1
150 12.6 10.1 15.1

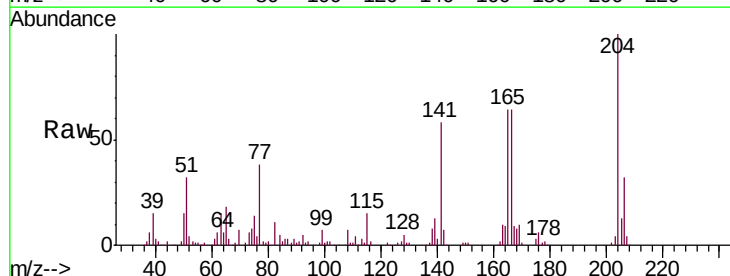


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

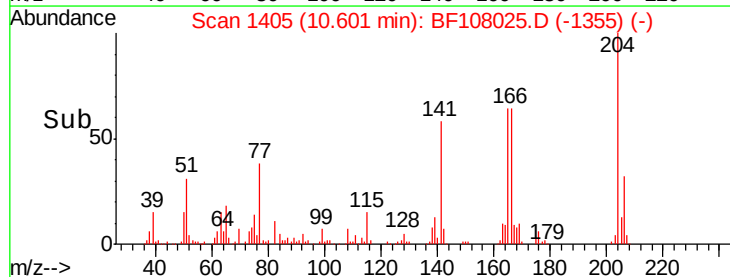
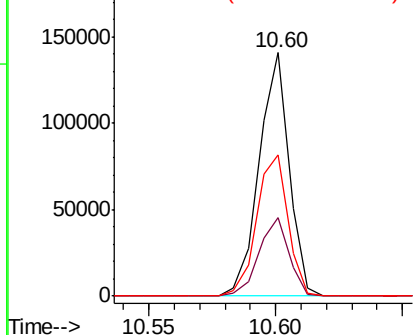


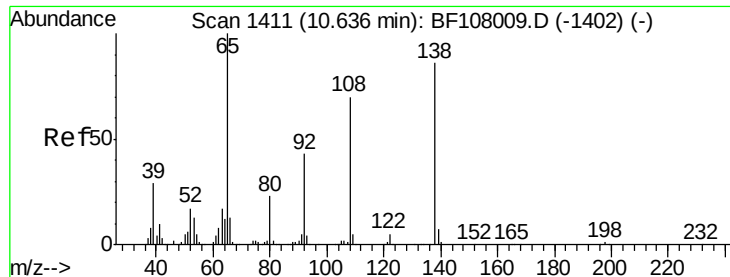
#60
4-Chlorophenyl-phenylether
Concen: 6.506 ng
RT: 10.60 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion:204 Resp: 116199
Ion Ratio Lower Upper
204 100
206 32.1 26.5 39.7
141 58.2 54.6 81.8



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

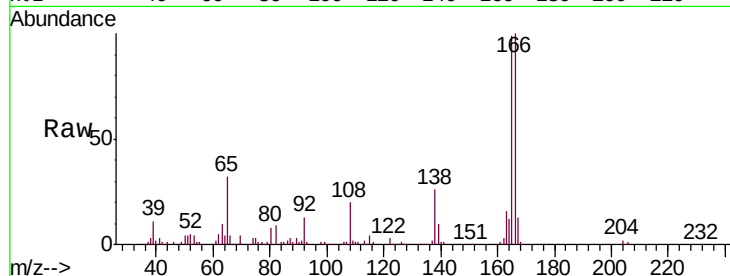




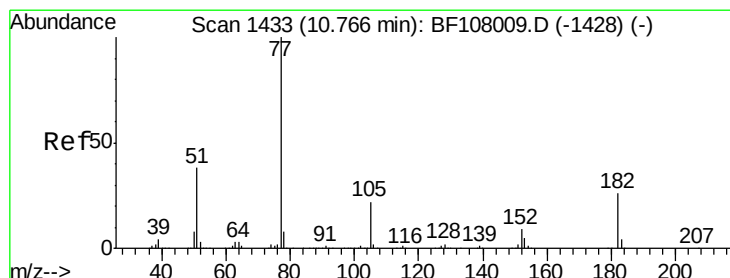
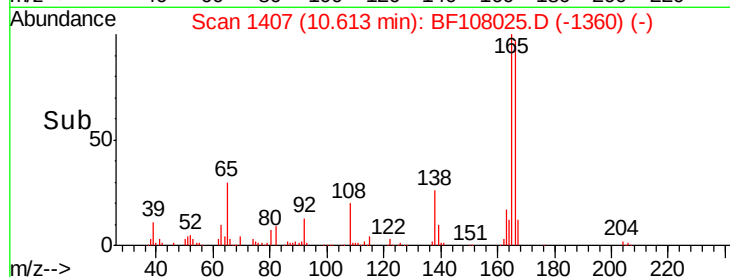
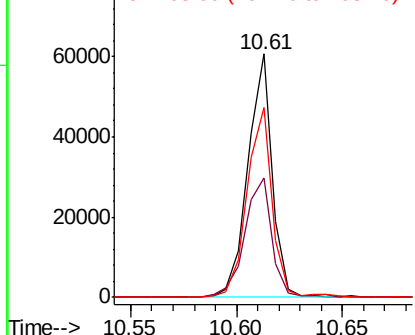
#61
4-Nitroaniline
Concen: 5.813 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.02 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 138 Resp: 48537
Ion Ratio Lower Upper
138 100
92 49.1 30.2 70.2
108 78.2 52.5 92.5

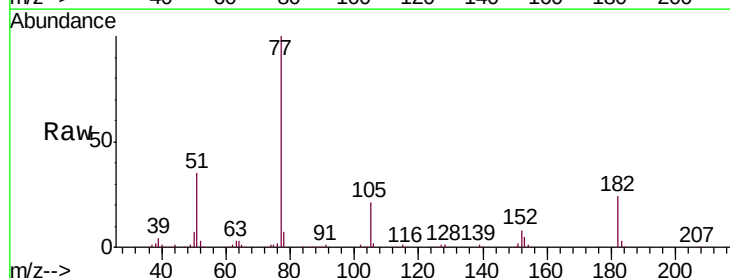


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

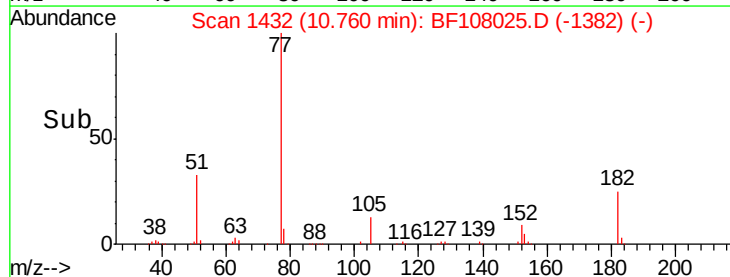
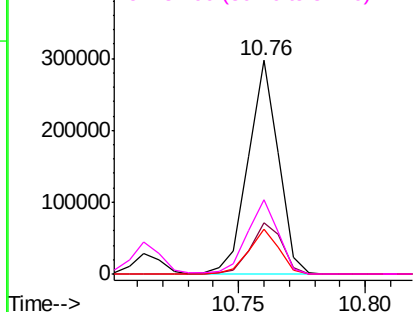


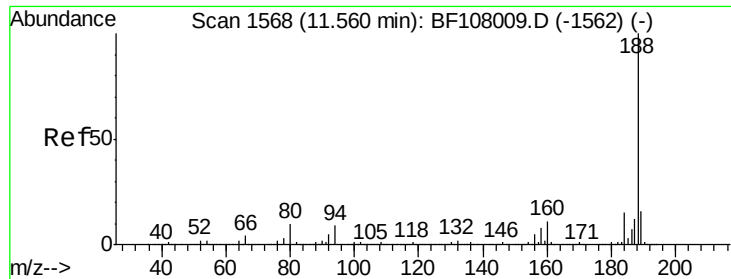
#62
Azobenzene
Concen: 6.660 ng
RT: 10.76 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion: 77 Resp: 245707
Ion Ratio Lower Upper
77 100
182 24.2 1.7 41.7
105 20.9 3.0 43.0
51 34.8 9.9 49.9



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

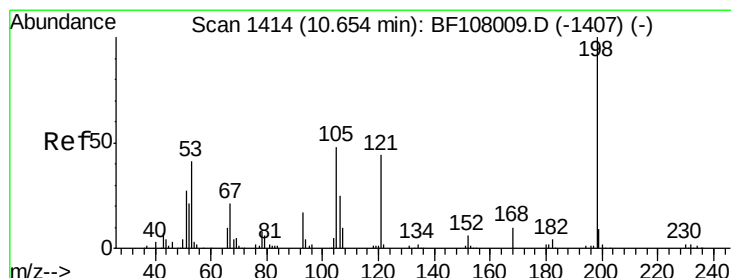
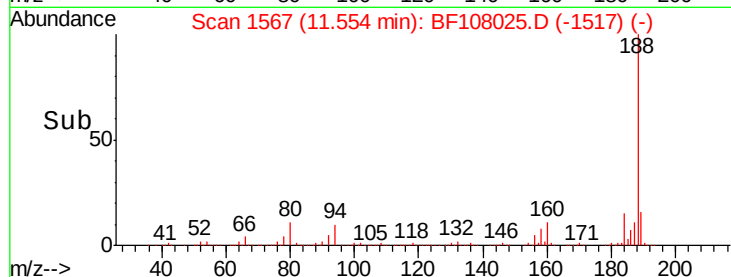
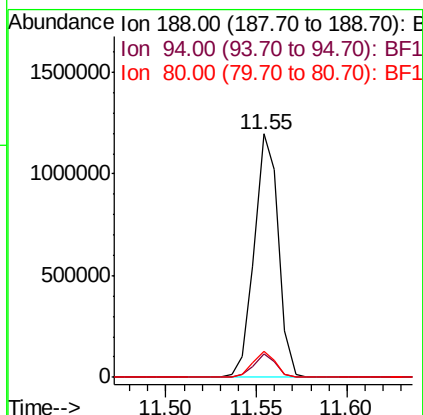
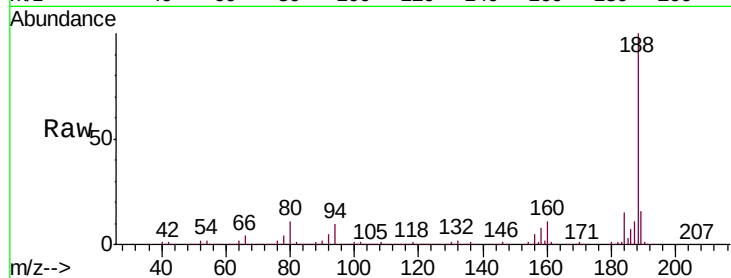




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

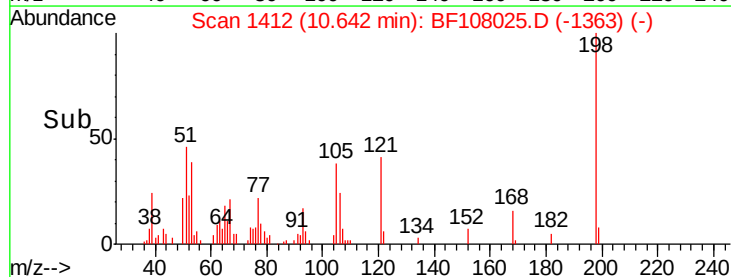
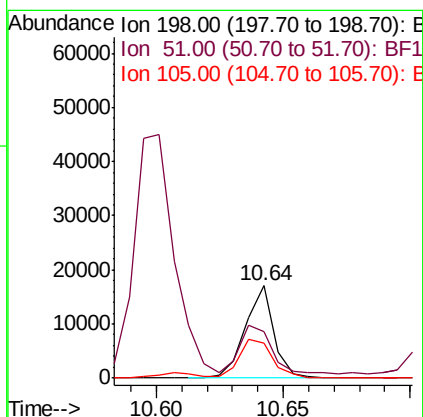
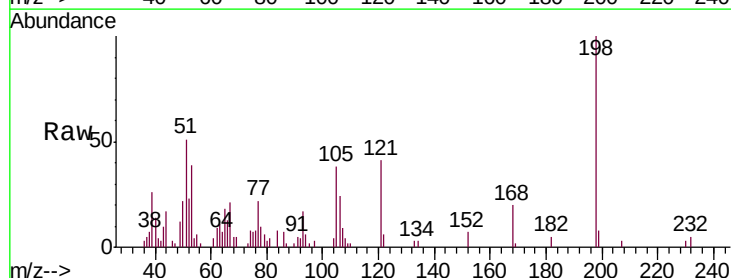
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

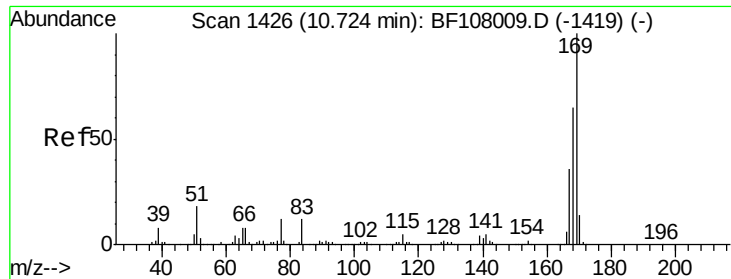
Tgt Ion:188 Resp: 1103190
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.7 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.224 ng
 RT: 10.64 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion:198 Resp: 13359
 Ion Ratio Lower Upper
 198 100
 51 50.8 37.7 77.7
 105 38.1 36.3 76.3

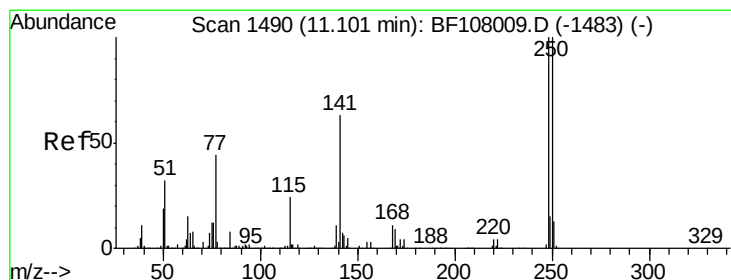
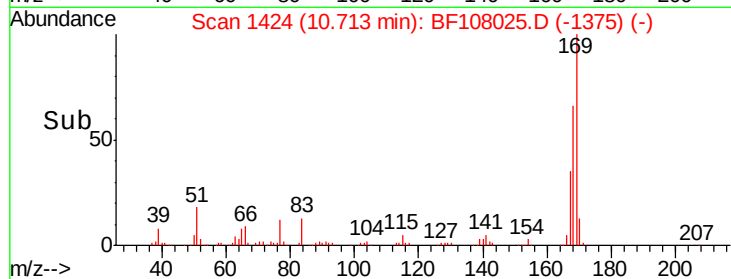
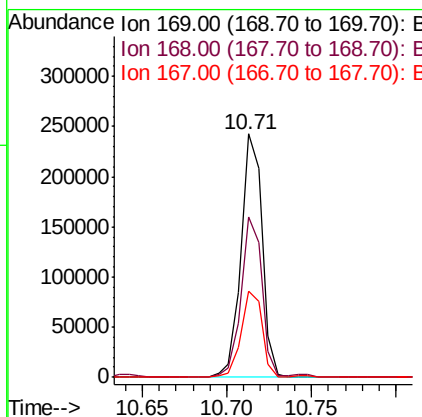
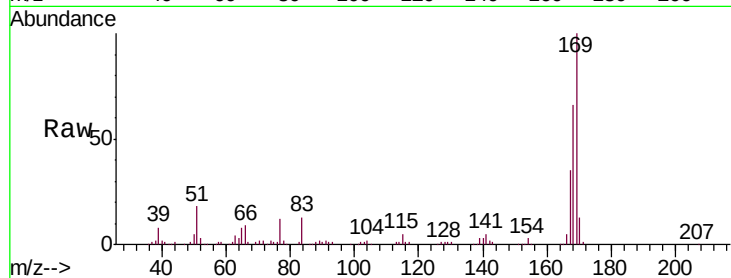




#65
 n-Nitrosodiphenylamine
 Concen: 6.505 ng
 RT: 10.71 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

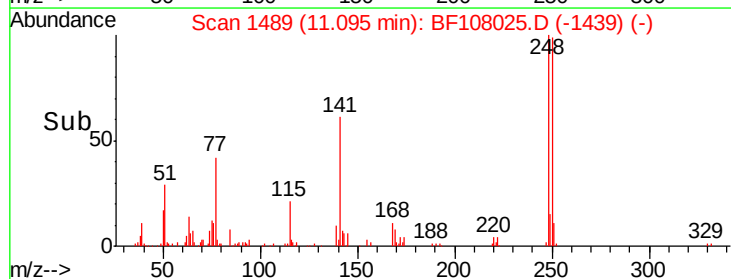
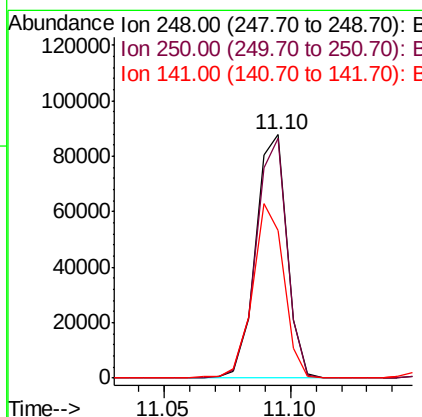
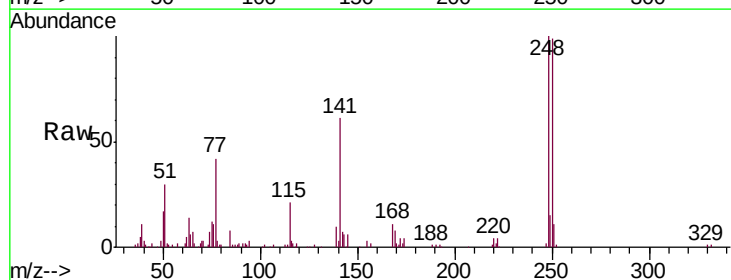
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

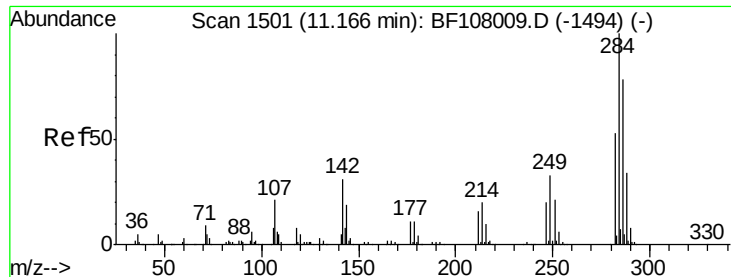
Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.9	54.4	81.6
167	35.4	29.8	44.6



#66
 4-Bromophenyl-phenylether
 Concen: 6.321 ng
 RT: 11.10 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.7	76.9	115.3
141	60.7	74.4	111.6





#67

Hexachlorobenzene

Concen: 6.281 ng

RT: 11.16 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

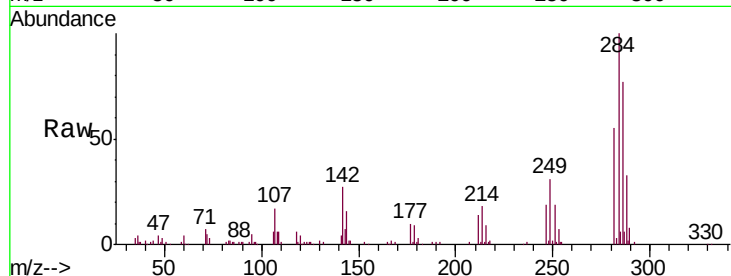
Tgt Ion:284 Resp: 79228

Ion Ratio Lower Upper

284 100

142 27.0 34.6 52.0#

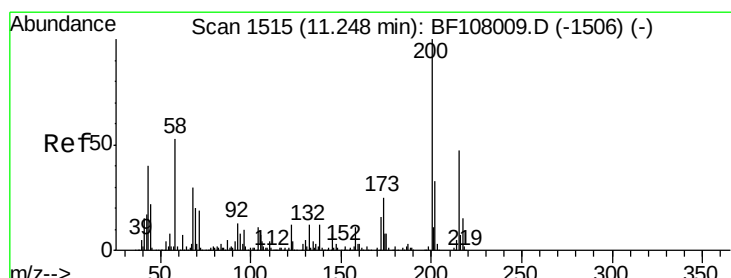
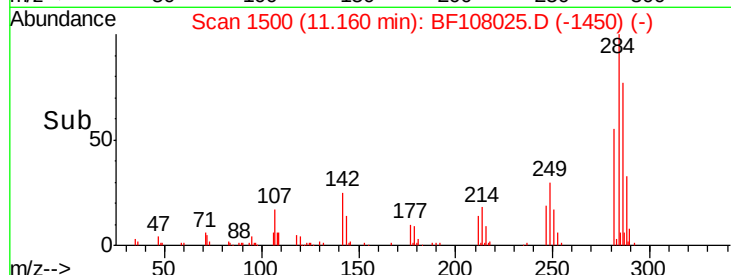
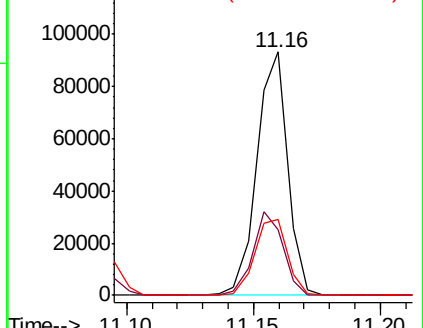
249 31.2 24.8 37.2



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



#68

Atrazine

Concen: 6.255 ng

RT: 11.24 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

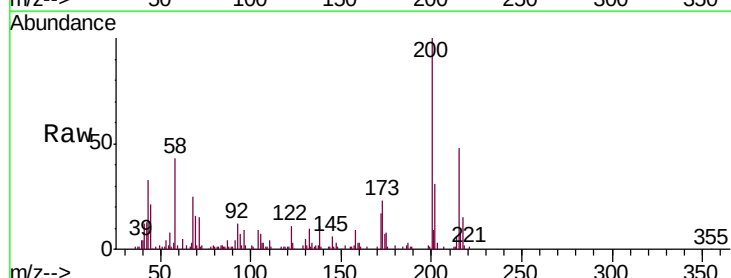
Tgt Ion:200 Resp: 68399

Ion Ratio Lower Upper

200 100

173 23.4 8.6 48.6

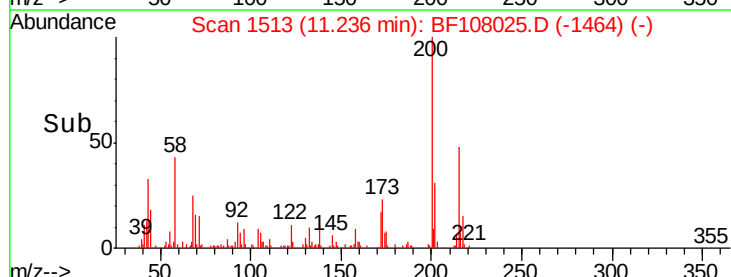
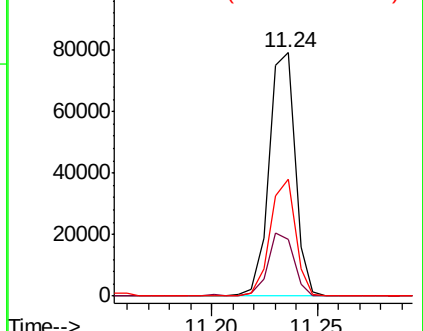
215 47.9 25.1 65.1

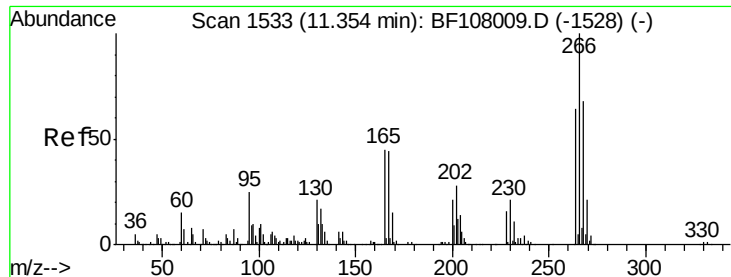


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

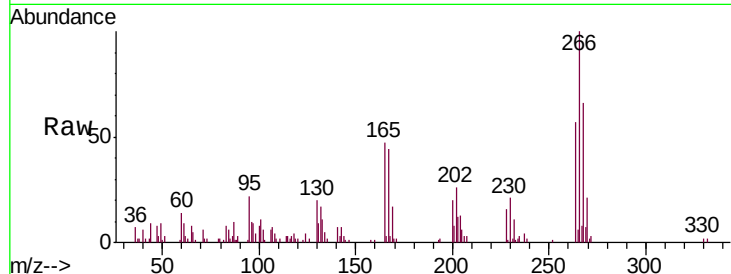




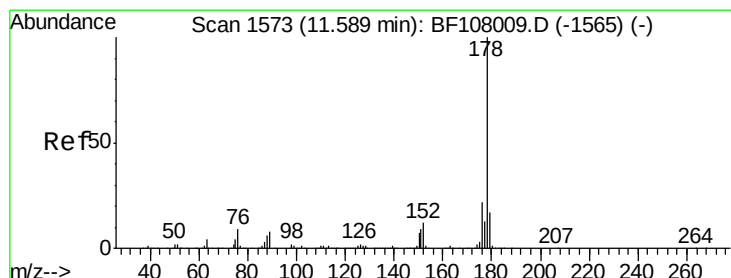
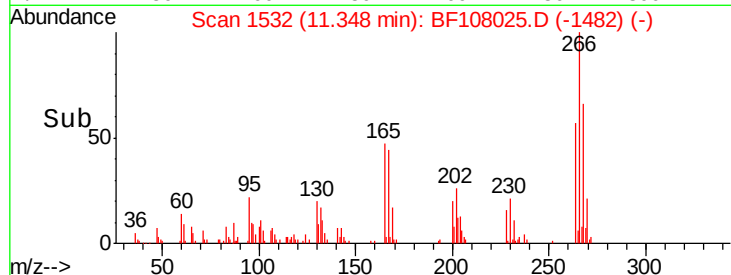
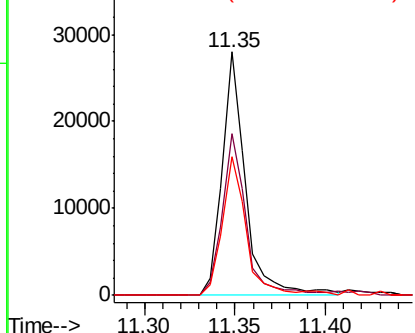
#69
 Pentachlorophenol
 Concen: 4.169 ng
 RT: 11.35 min Scan# 1532
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tgt Ion: 266 Resp: 25171
 Ion Ratio Lower Upper
 266 100
 268 66.2 51.1 76.7
 264 56.9 49.5 74.3

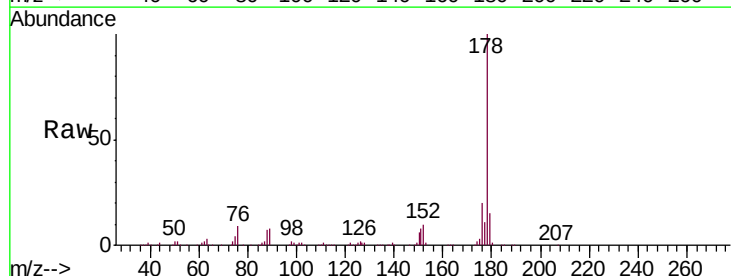


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

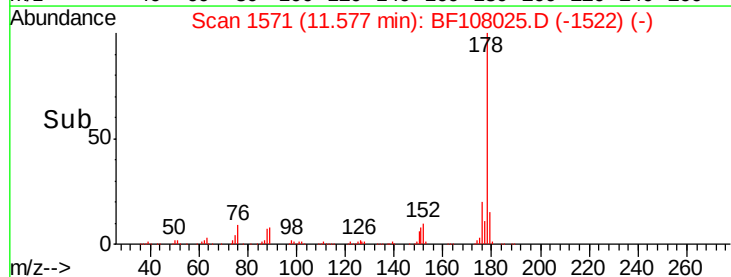
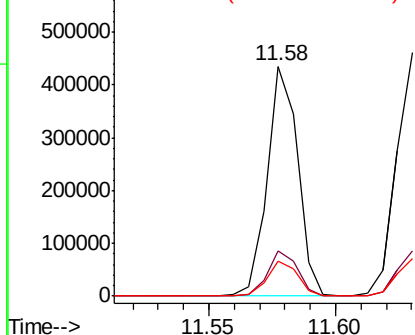


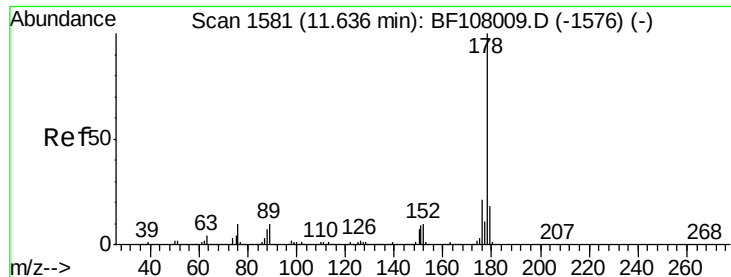
#70
 Phenanthrene
 Concen: 6.999 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion: 178 Resp: 364176
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

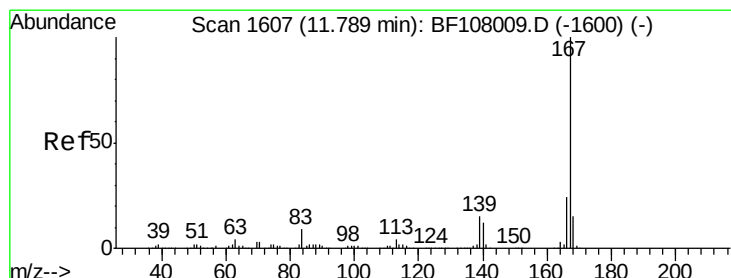
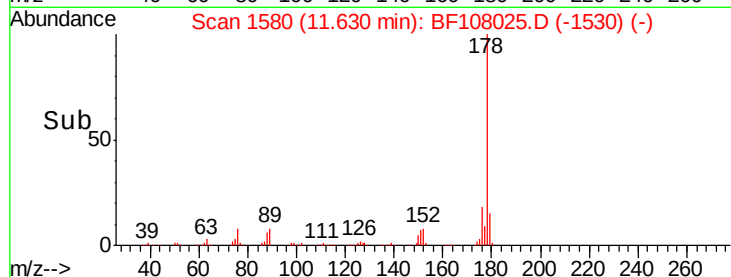
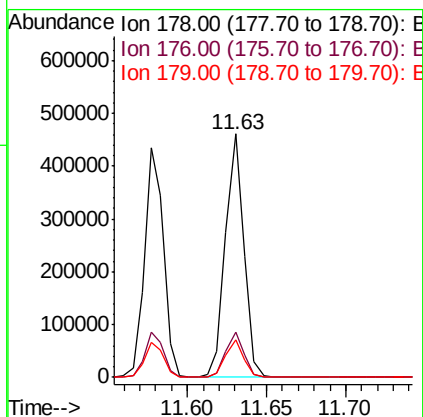
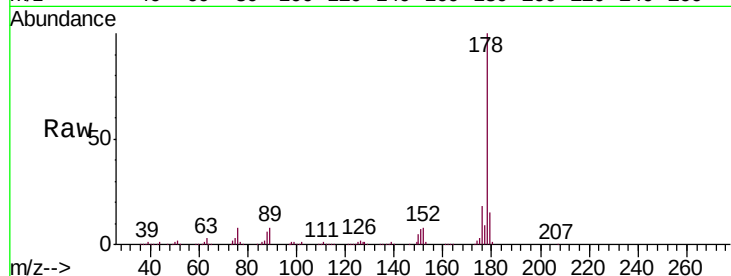




#71
 Anthracene
 Concen: 6.978 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

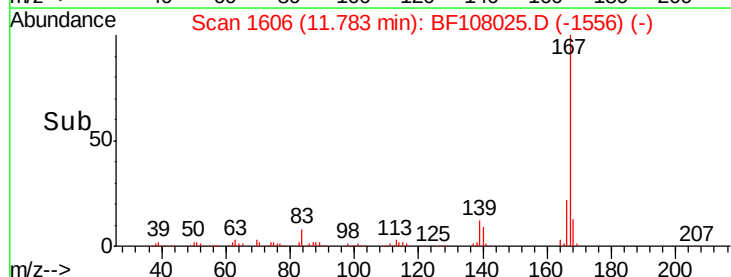
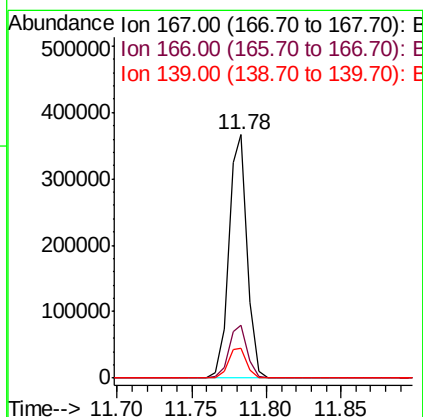
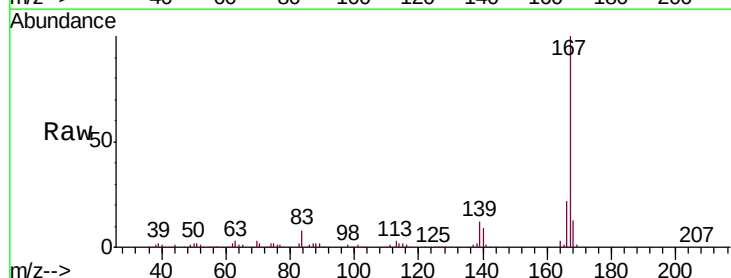
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

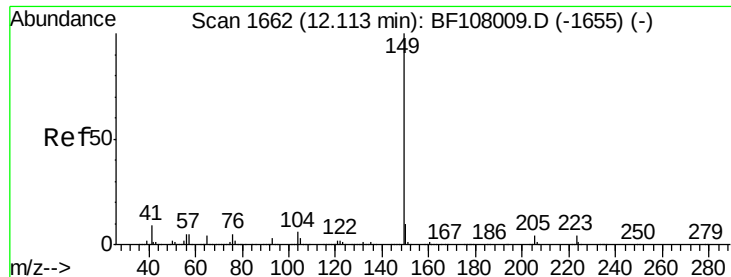
Tgt Ion:178 Resp: 372116
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 15.2 12.6 19.0



#72
 Carbazole
 Concen: 6.723 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion:167 Resp: 318555
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 12.2 10.9 16.3





#73

Di-n-butylphthalate

Concen: 6.793 ng

RT: 12.11 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

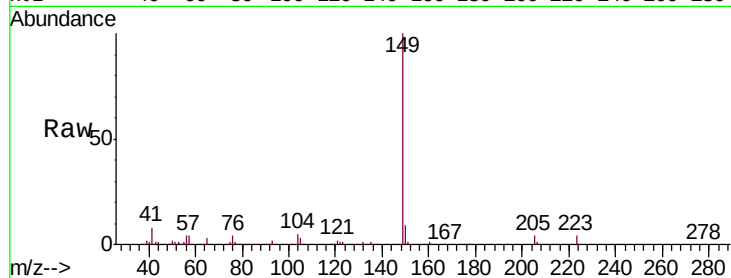
Tgt Ion:149 Resp: 364593

Ion Ratio Lower Upper

149 100

150 8.7 7.8 11.6

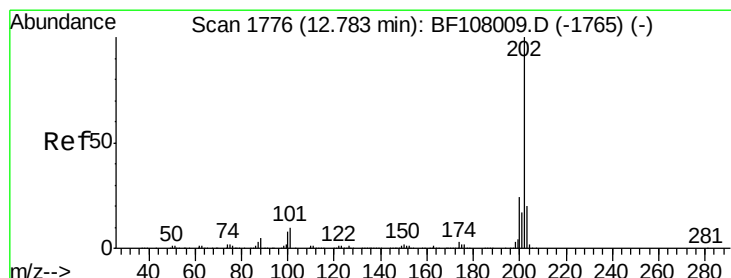
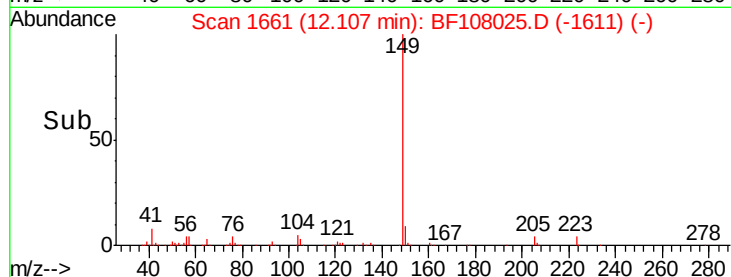
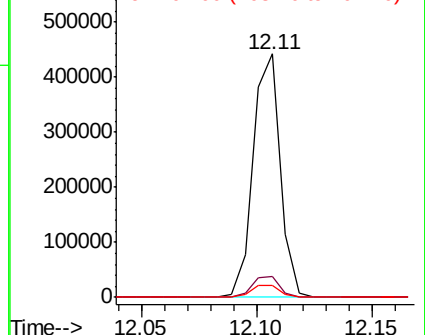
104 4.7 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 7.002 ng

RT: 12.77 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

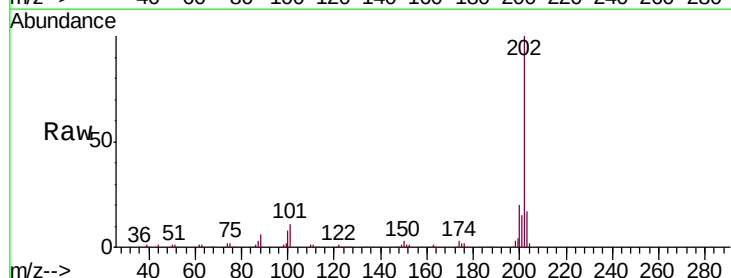
Tgt Ion:202 Resp: 397623

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.1

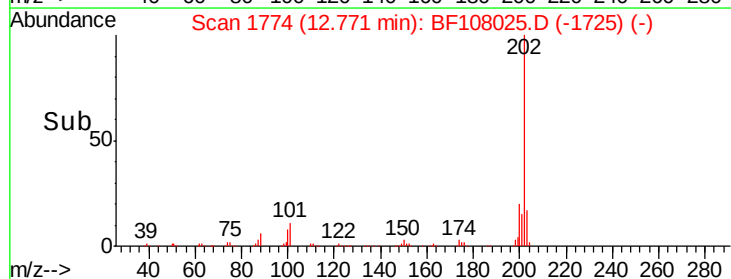
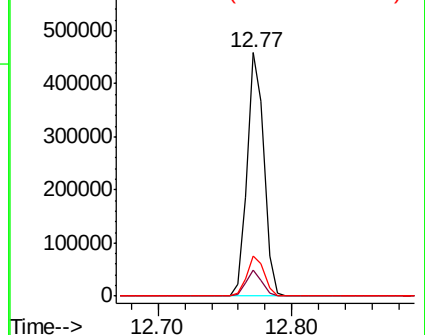
203 16.5 0.0 38.1

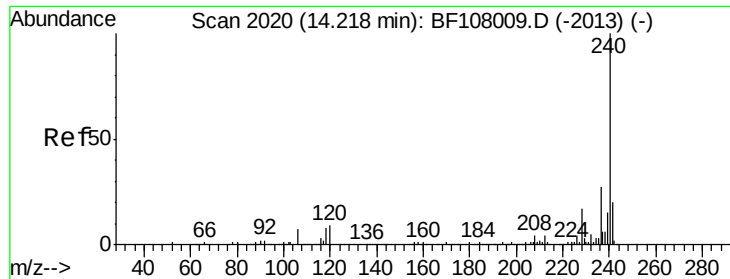


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

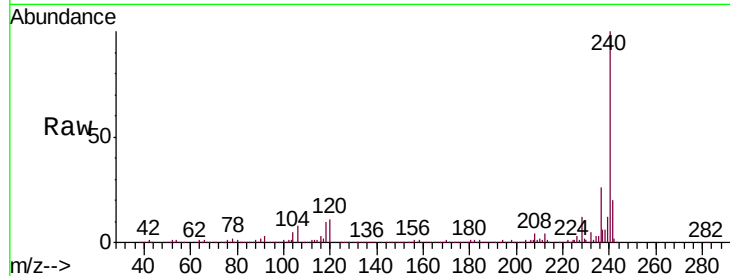
Tgt Ion:240 Resp: 968657

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

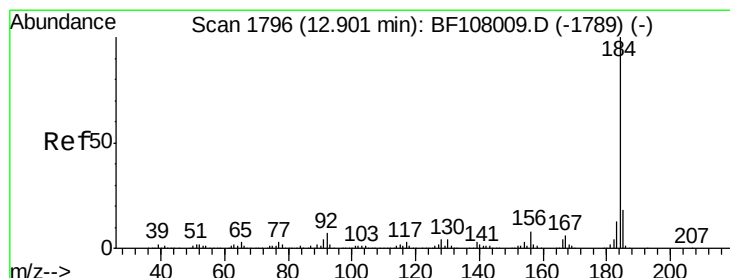
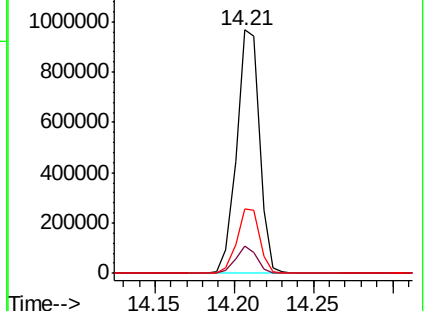
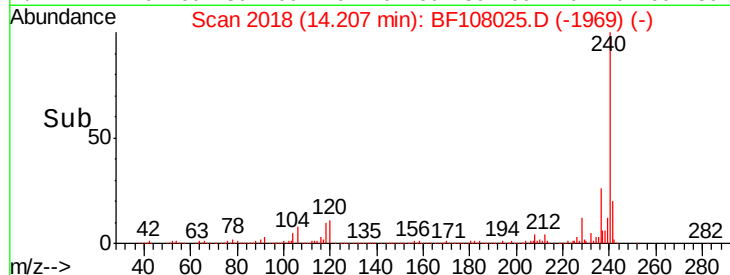
236 26.5 20.7 31.1



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



#76

Benzidine

Concen: 1.838 ng

RT: 12.89 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

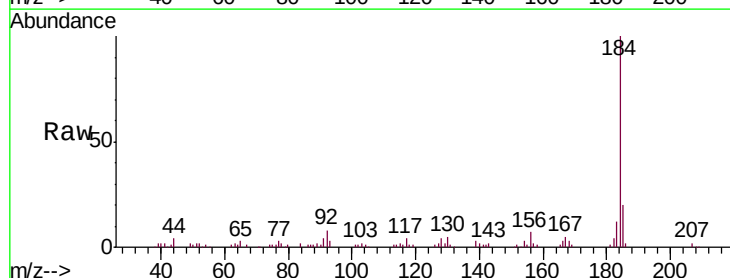
Tgt Ion:184 Resp: 66535

Ion Ratio Lower Upper

184 100

185 19.8 12.6 18.8#

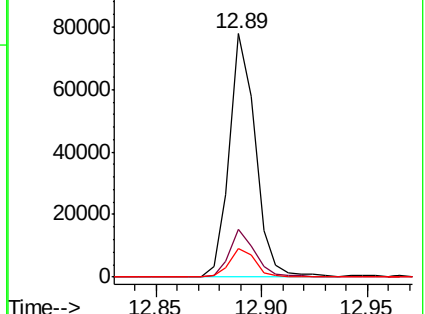
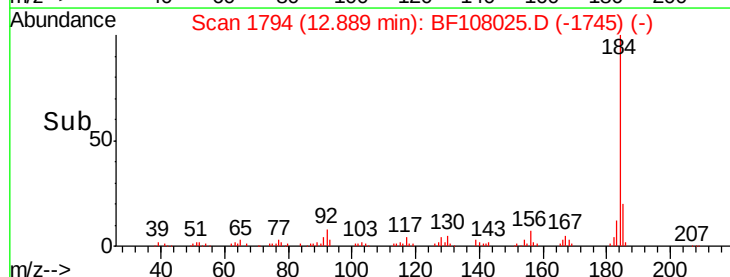
183 12.0 9.3 13.9

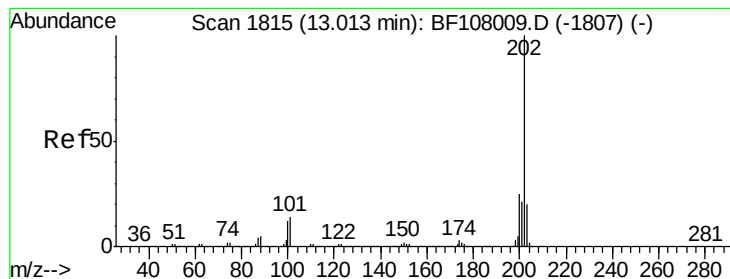


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 6.538 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

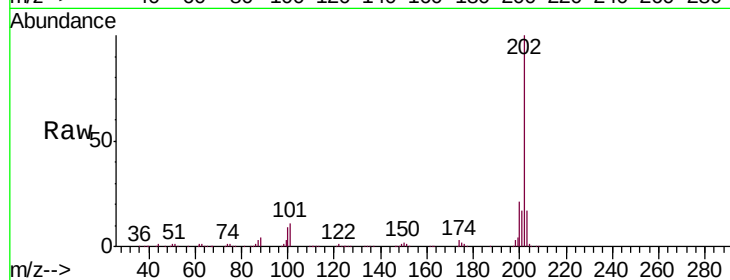
Tgt Ion:202 Resp: 400923

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

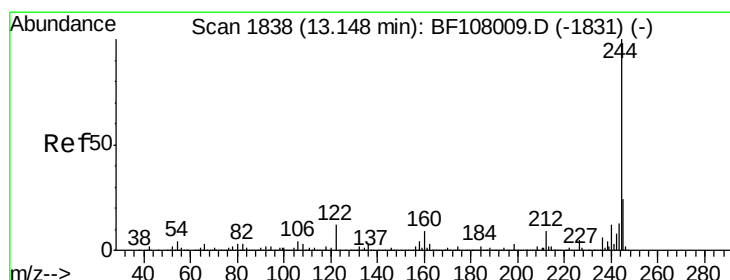
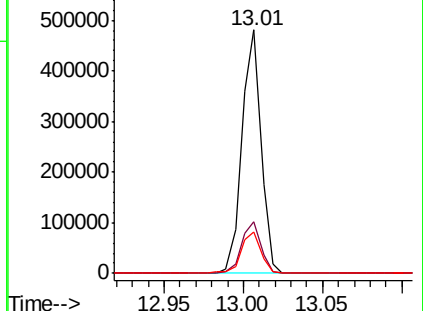
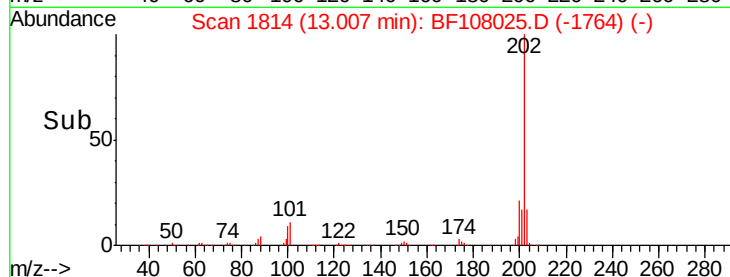
203 17.1 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 74.975 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

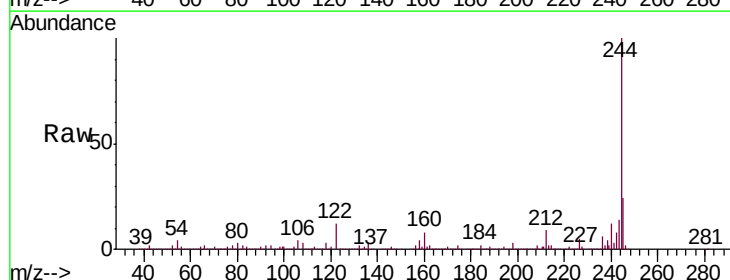
Tgt Ion:244 Resp: 2856356

Ion Ratio Lower Upper

244 100

212 8.9 5.4 8.0#

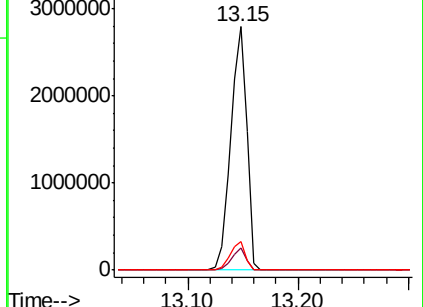
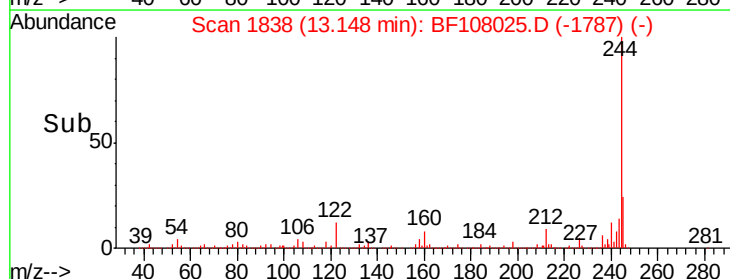
122 11.7 11.0 16.4

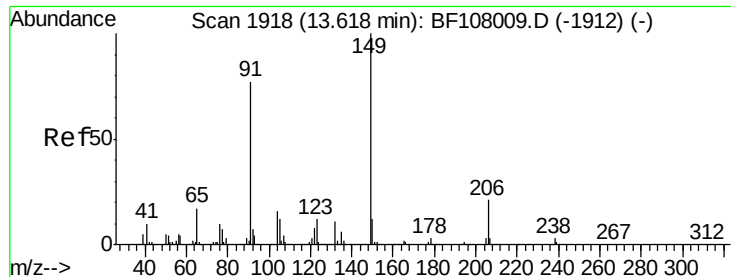


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

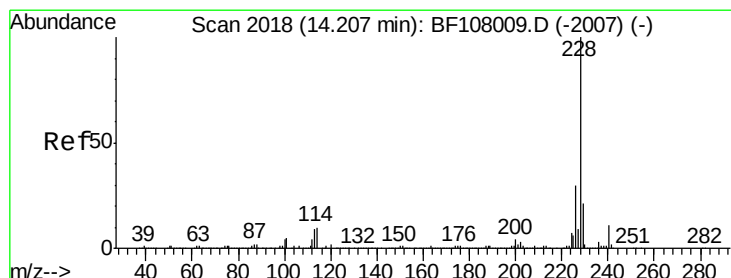
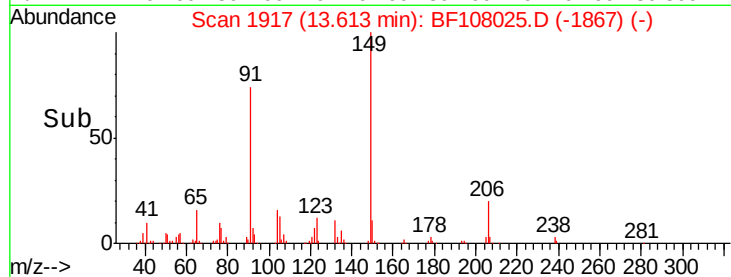
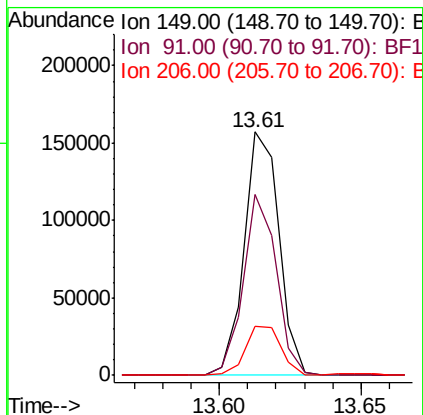
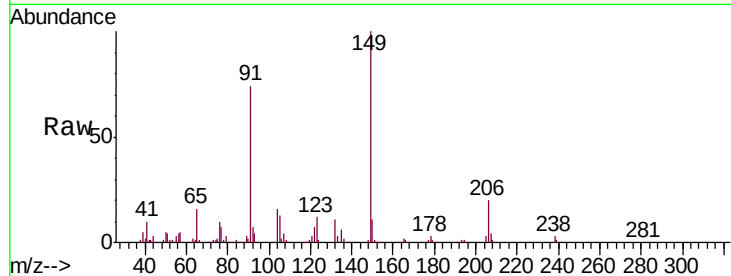




#79
Butylbenzylphthalate
Concen: 5.523 ng
RT: 13.61 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

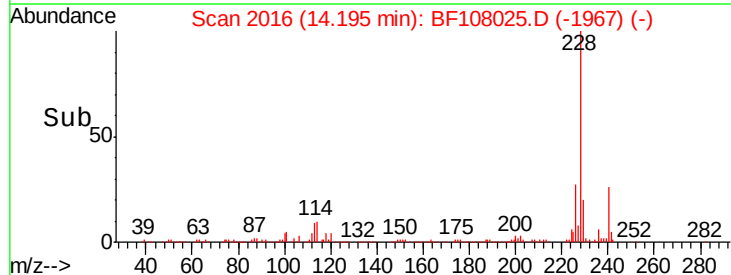
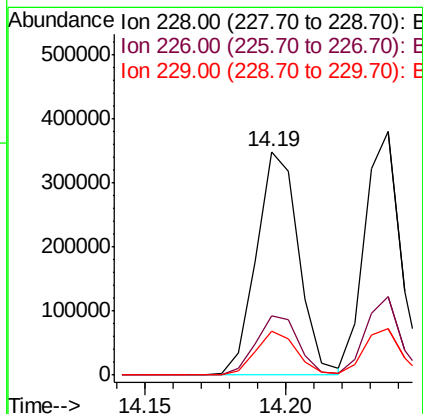
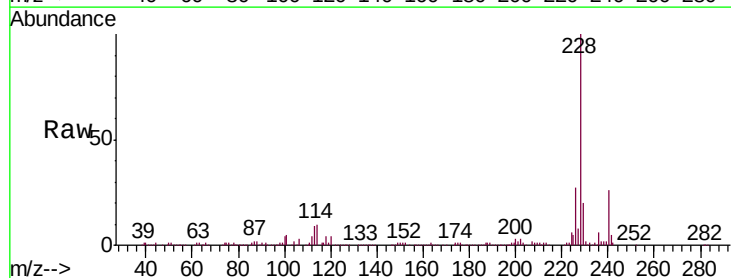
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

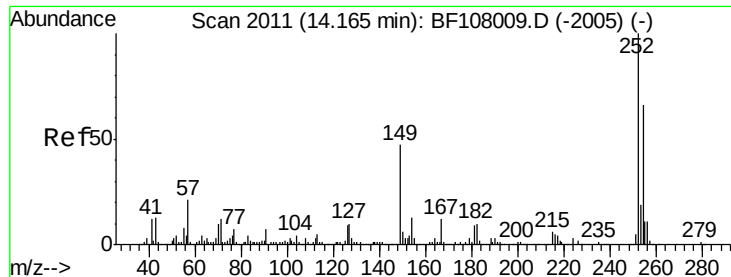
Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.2	56.8	85.2
206	19.9	14.1	21.1



#80
Benzo(a)anthracene
Concen: 6.509 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.6	33.8
229	19.7	15.8	23.6





#81

3,3'-Dichlorobenzidine

Concen: 3.229 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

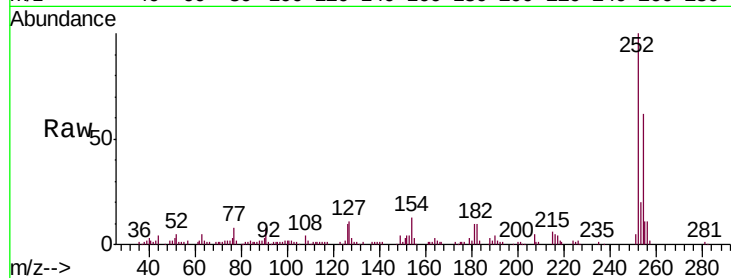
Tgt Ion:252 Resp: 64329

Ion Ratio Lower Upper

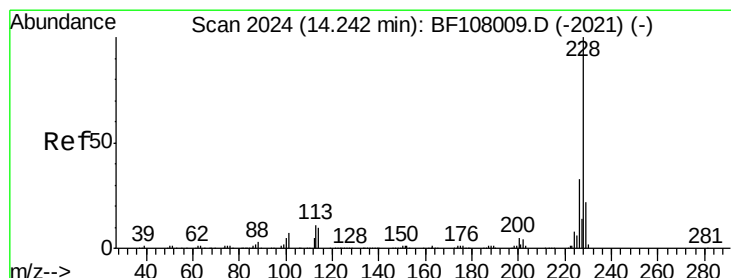
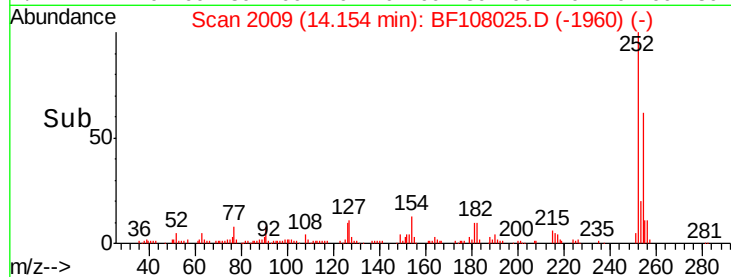
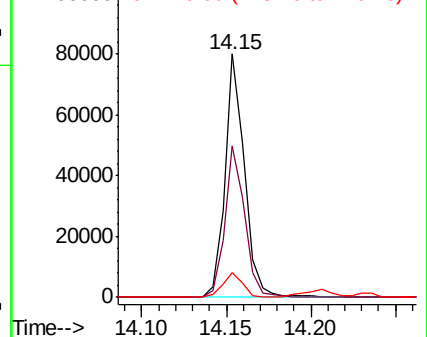
252 100

254 62.4 50.4 75.6

126 10.2 11.3 16.9#



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



#82

Chrysene

Concen: 6.490 ng

RT: 14.24 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

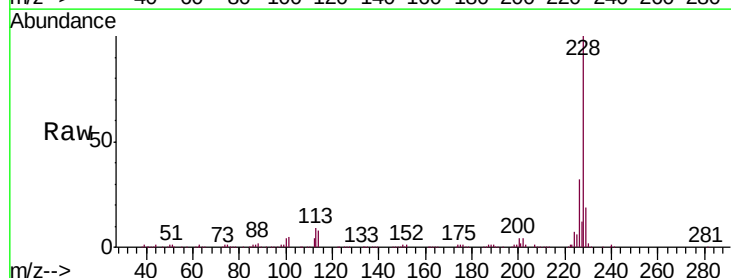
Tgt Ion:228 Resp: 330786

Ion Ratio Lower Upper

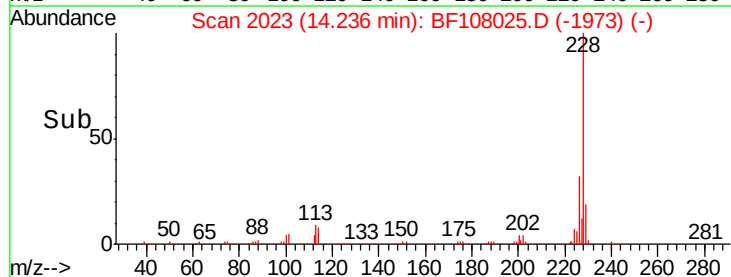
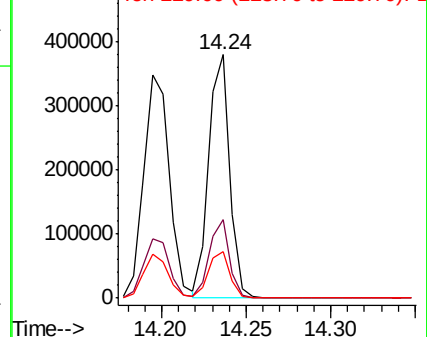
228 100

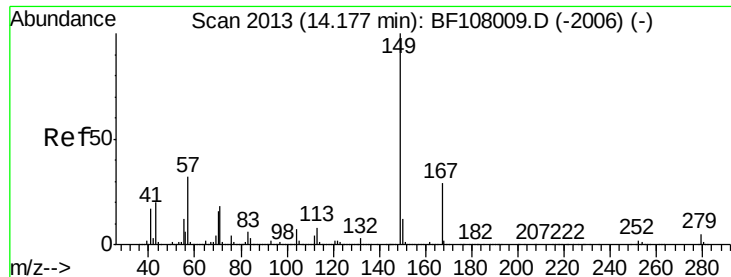
226 32.0 25.0 37.6

229 19.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.913 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

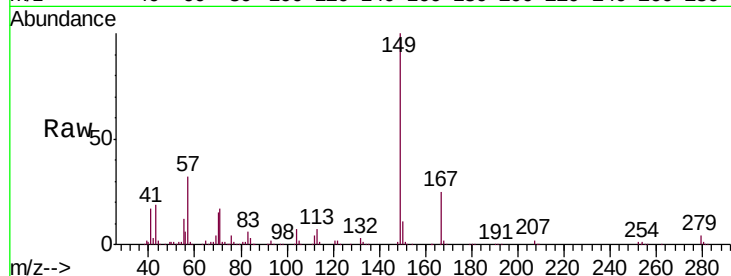
Tgt Ion:149 Resp: 194998

Ion Ratio Lower Upper

149 100

167 25.5 21.3 31.9

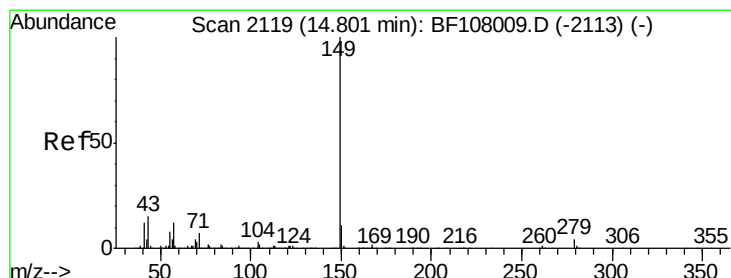
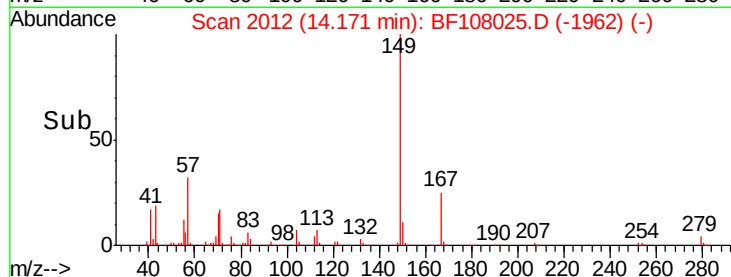
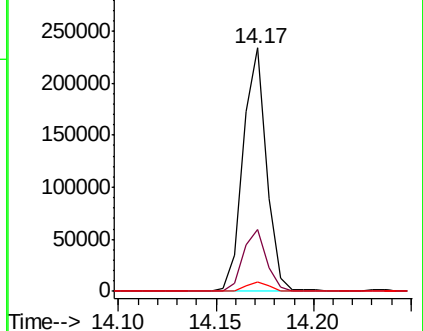
279 3.9 3.0 4.4



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



#84

Di-n-octyl phthalate

Concen: 5.550 ng

RT: 14.79 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

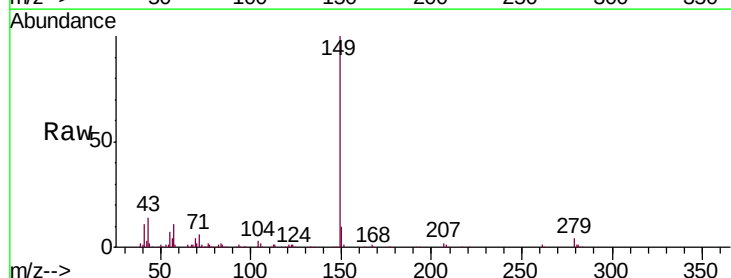
Tgt Ion:149 Resp: 279116

Ion Ratio Lower Upper

149 100

167 1.2 1.2 1.8

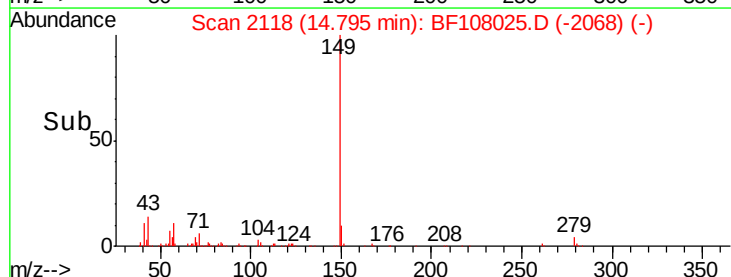
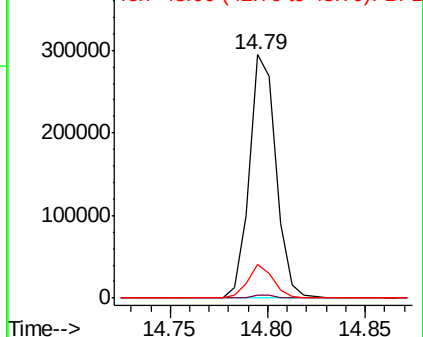
43 13.1 8.4 12.6#

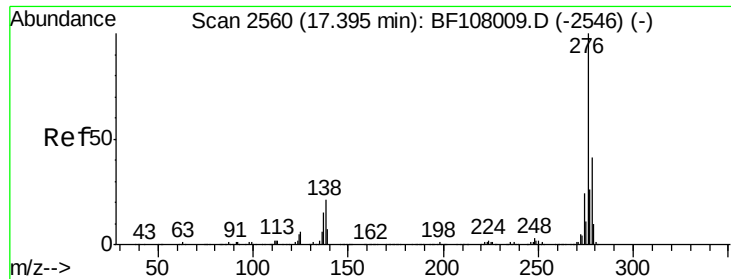


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

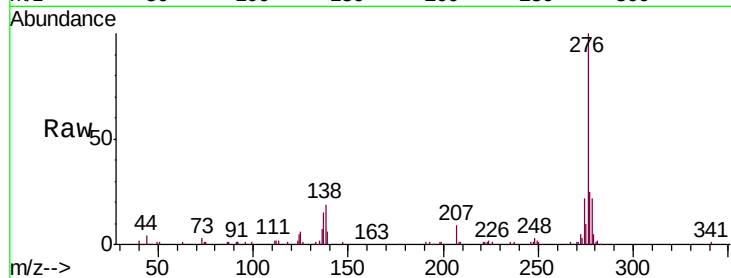




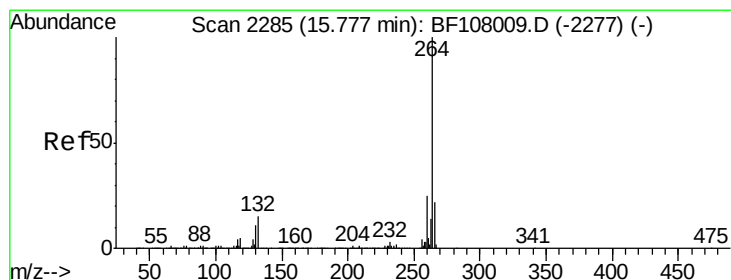
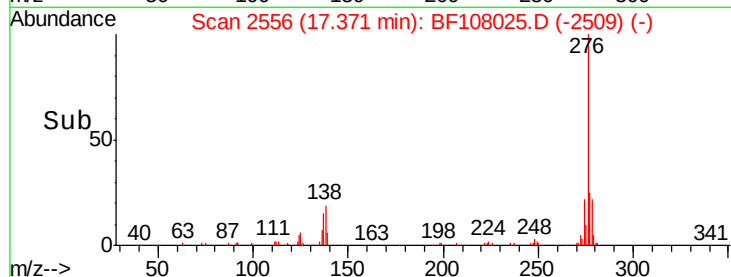
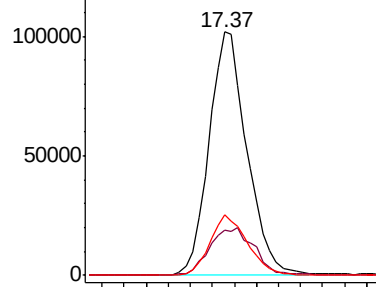
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.558 ng
RT: 17.37 min Scan# 2556
Delta R.T. -0.02 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	25.0	37.6#
277	24.5	20.1	30.1

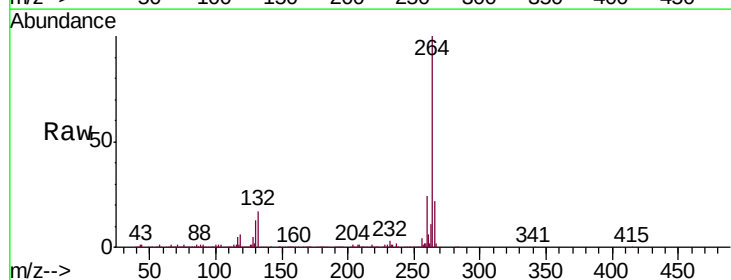


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

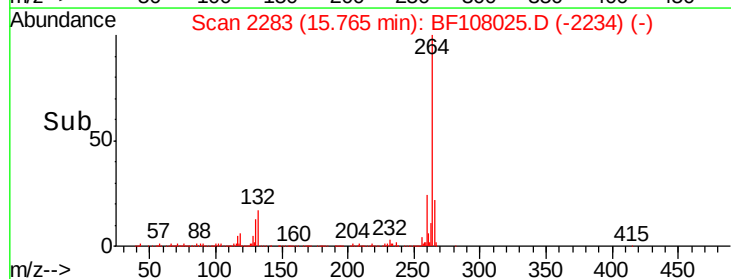
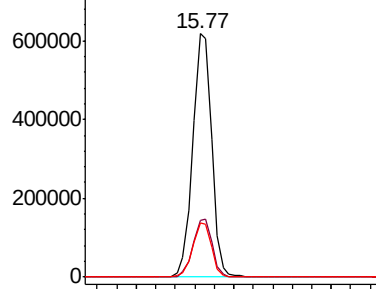


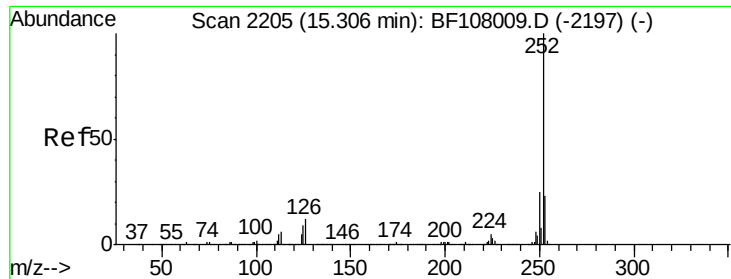
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.2	17.5	26.3



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

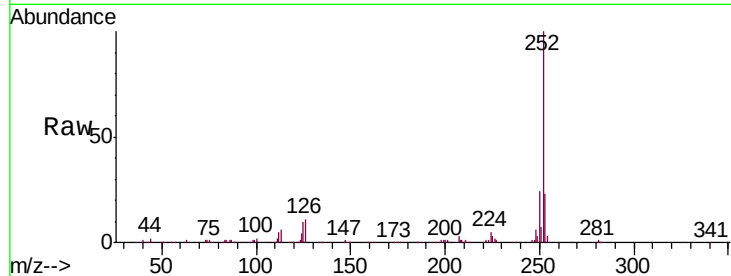




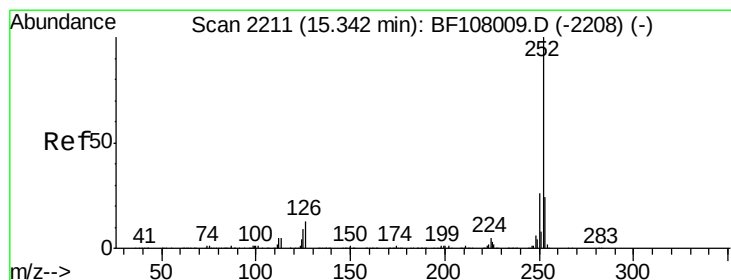
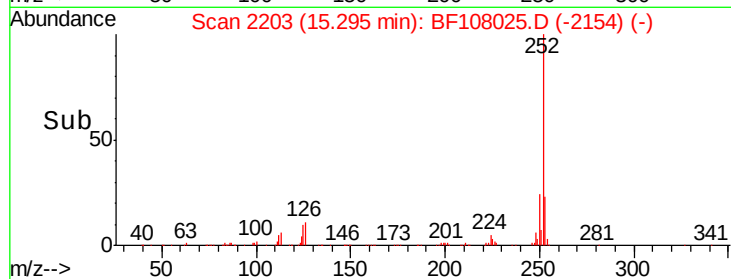
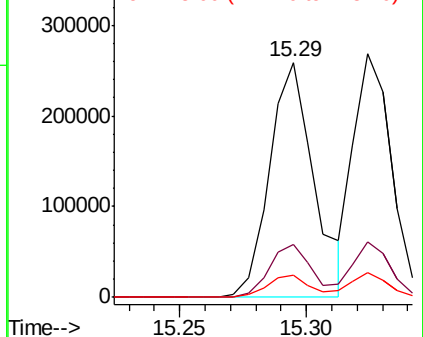
#87
Benzo(b)fluoranthene
Concen: 6.378 ng
RT: 15.29 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:252 Resp: 316409
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 9.7 9.0 13.6

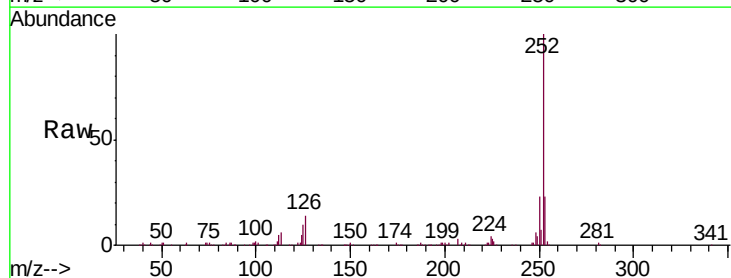


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

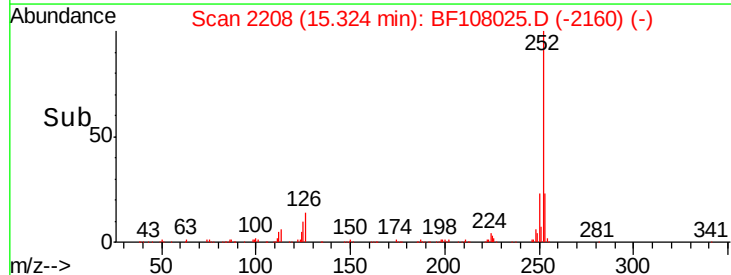
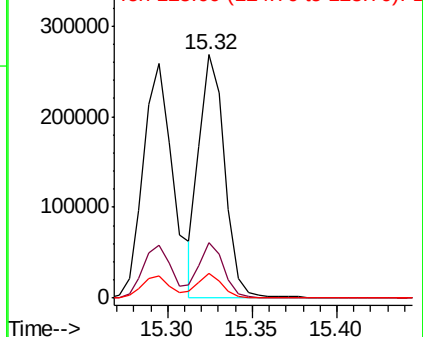


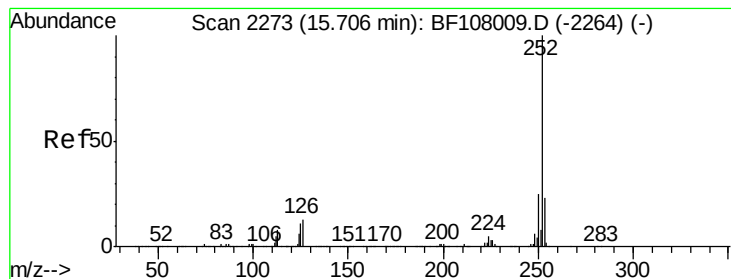
#88
Benzo(k)fluoranthene
Concen: 6.160 ng
RT: 15.32 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion:252 Resp: 280916
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 10.1 10.2 15.2#



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(a)pyrene

Concen: 6.118 ng

RT: 15.69 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

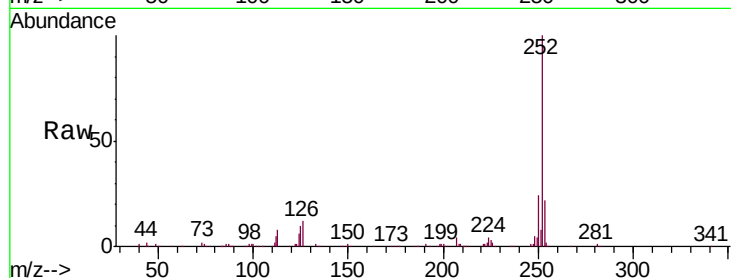
Tgt Ion:252 Resp: 271749

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 9.9 9.8 14.6

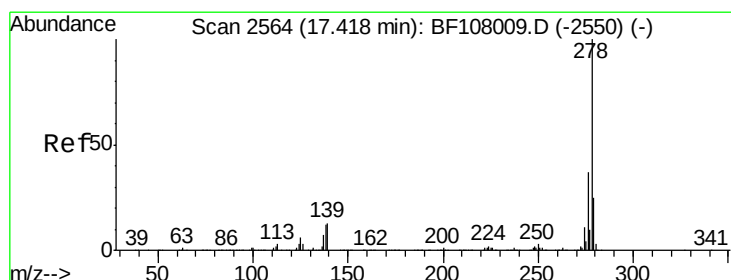
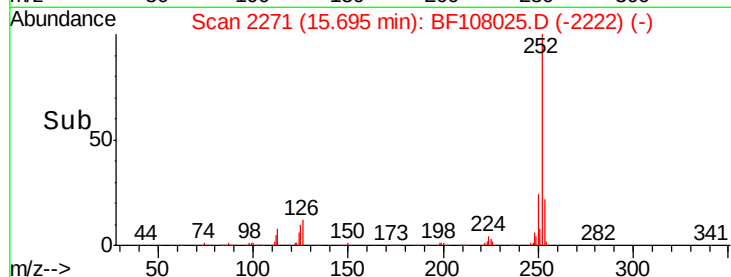
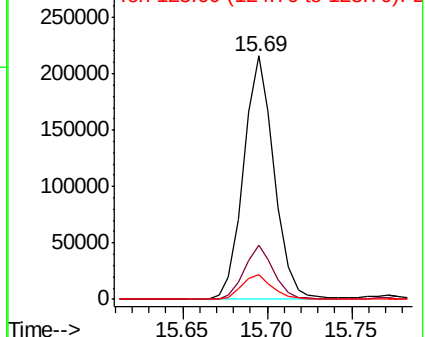


Abundance

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



#90

Dibenzo(a,h)anthracene

Concen: 5.571 ng

RT: 17.39 min Scan# 2560

Delta R.T. -0.02 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

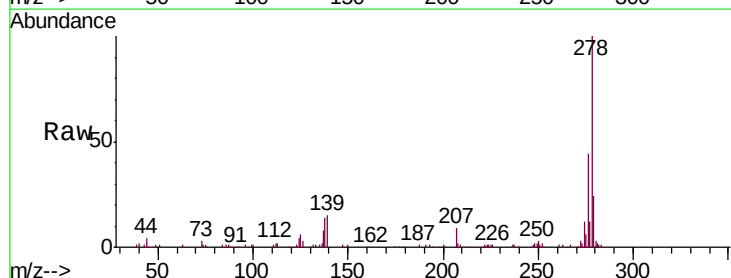
Tgt Ion:278 Resp: 204741

Ion Ratio Lower Upper

278 100

139 15.3 15.9 23.9#

279 24.0 19.0 28.4

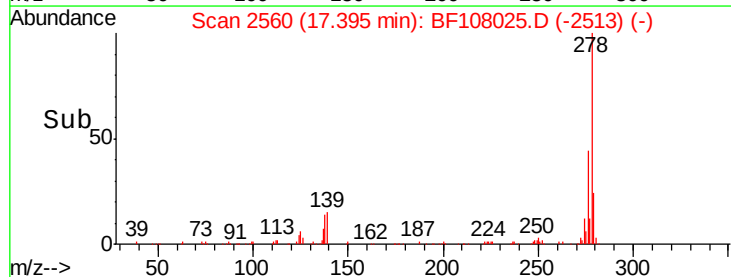
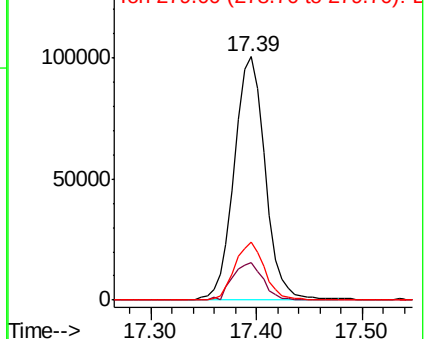


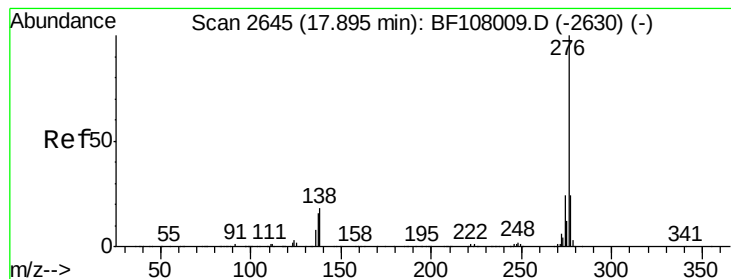
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 5.473 ng

RT: 17.87 min Scan# 2640

Delta R.T. -0.03 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion: 276 Resp: 198076

Ion Ratio Lower Upper

276 100

277 22.0 17.9 26.9

138 18.8 21.8 32.8#

