

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105159.D
 Acq On : 8 May 2018 22:05
 Operator : JU/SJ
 Sample : J2133-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Quant Time: May 09 08:32:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 08 16:33:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	200907	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	798116	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	392976	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	774420	20.00	ng	0.00
75) Chrysene-d12	14.00	240	666629	20.00	ng	-0.01
86) Perylene-d12	15.54	264	589877	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1552461	127.30	ng	0.00
7) Phenol-d6	6.42	99	1842744	126.90	ng	0.00
23) Nitrobenzene-d5	7.36	82	1115618	94.73	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	603441	139.18	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2018461	79.72	ng	0.00
78) Terphenyl-d14	12.91	244	2254077	78.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	33702	5.227	ng	96
3) Pyridine	3.30	79	82258	4.757	ng	# 87
4) n-Nitrosodimethylamine	3.18	42	37991	4.335	ng	# 90
6) Aniline	6.46	93	108606	5.121	ng	97
8) 2-Chlorophenol	6.57	128	71228	5.506	ng	97
9) Benzaldehyde	6.35	77	33199	2.983	ng	93
10) Phenol	6.43	94	81200	5.025	ng	98
11) bis(2-Chloroethyl)ether	6.53	93	71077	5.337	ng	91
12) 1,3-Dichlorobenzene	6.73	146	88874	5.700	ng	98
13) 1,4-Dichlorobenzene	6.81	146	88904	5.702	ng	96
14) 1,2-Dichlorobenzene	6.96	146	82935	5.766	ng	98
15) Benzyl Alcohol	6.93	79	76307	6.866	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.07	45	130790	5.284	ng	98
17) 2-Methylphenol	7.03	107	60430	5.410	ng	97
18) Hexachloroethane	7.30	117	27926	5.566	ng	95
19) n-Nitroso-di-n-propylamine	7.20	70	54092	5.626	ng	89
20) 3+4-Methylphenols	7.19	107	81002	6.171	ng	94
22) Acetophenone	7.20	105	114066	6.131	ng	# 96
24) Nitrobenzene	7.37	77	81640	6.114	ng	100
25) Isophorone	7.60	82	133158	5.056	ng	95
26) 2-Nitrophenol	7.69	139	25669	13.737	ng	92
27) 2,4-Dimethylphenol	7.72	122	53392	4.562	ng	98
28) bis(2-Chloroethoxy)methane	7.82	93	84072	5.173	ng	97
29) 2,4-Dichlorophenol	7.92	162	57660	5.266	ng	96
30) 1,2,4-Trichlorobenzene	8.01	180	74520	5.901	ng	99
31) Naphthalene	8.09	128	225641	5.872	ng	99
32) Benzoic acid	7.77	122	28612	13.132	ng	94
33) 4-Chloroaniline	8.14	127	86074	5.386	ng	98
34) Hexachlorobutadiene	8.21	225	43206	5.906	ng	99
35) Caprolactam	8.47	113	16089	4.838	ng	# 57
36) 4-Chloro-3-methylphenol	8.61	107	58646	5.144	ng	94
37) 2-Methylnaphthalene	8.78	142	154206	5.757	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	76120	6.087	ng	97
40) Hexachlorocyclopentadiene	8.93	237	31880	4.715	ng	98

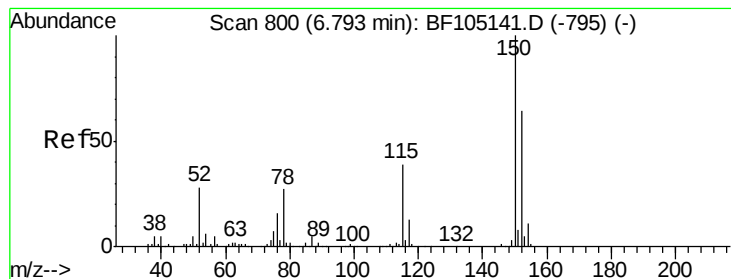
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105159.D
 Acq On : 8 May 2018 22:05
 Operator : JU/SJ
 Sample : J2133-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Quant Time: May 09 08:32:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 08 16:33:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	40967	5.370	ng	98
43) 2,4,5-Trichlorophenol	9.09	196	45318	5.685	ng	89
45) 1,1'-Biphenyl	9.25	154	208523	6.513	ng	99
46) 2-Chloronaphthalene	9.27	162	146525	6.123	ng	98
47) 2-Nitroaniline	9.36	65	33496	10.072	ng	86
48) Acenaphthylene	9.69	152	225770	6.109	ng	99
49) Dimethylphthalate	9.55	163	164724	6.192	ng	100
50) 2,6-Dinitrotoluene	9.60	165	32715	5.667	ng	96
51) Acenaphthene	9.86	154	145068	6.090	ng	97
52) 3-Nitroaniline	9.77	138	33735	5.548	ng	89
53) 2,4-Dinitrophenol	9.87	184	5778	13.068	ng	# 25
54) Dibenzofuran	10.03	168	207288	5.949	ng	97
55) 4-Nitrophenol	9.92	139	21445	8.009	ng	90
56) 2,4-Dinitrotoluene	10.00	165	39232	8.336	ng	95
57) Fluorene	10.37	166	163457	6.397	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.15	232	36010	5.060	ng	# 88
59) Diethylphthalate	10.25	149	161781	6.188	ng	98
60) 4-Chlorophenyl-phenylether	10.37	204	79045	6.645	ng	# 88
61) 4-Nitroaniline	10.38	138	32460	5.365	ng	91
62) Azobenzene	10.53	77	155490	5.701	ng	95
64) 4,6-Dinitro-2-methylphenol	10.41	198	12308	13.099	ng	85
65) n-Nitrosodiphenylamine	10.49	169	138822	5.751	ng	98
66) 4-Bromophenyl-phenylether	10.86	248	46777	5.664	ng	# 88
67) Hexachlorobenzene	10.92	284	57453	6.037	ng	# 86
68) Atrazine	11.00	200	28686	3.791	ng	96
69) Pentachlorophenol	11.11	266	26482	7.750	ng	99
70) Phenanthrene	11.33	178	245337	6.009	ng	97
71) Anthracene	11.39	178	240828	5.805	ng	98
72) Carbazole	11.54	167	221966	5.938	ng	98
73) Di-n-butylphthalate	11.87	149	229645	5.744	ng	98
74) Fluoranthene	12.52	202	250296	5.883	ng	97
76) Benzidine	12.65	184	40161	1.613	ng	# 87
77) Pyrene	12.75	202	259371	5.349	ng	99
79) Butylbenzylphthalate	13.39	149	76495	10.637	ng	100
80) Benzo(a)anthracene	13.99	228	222609	5.506	ng	100
81) 3,3'-Dichlorobenzidine	13.95	252	59885	3.940	ng	96
82) Chrysene	14.03	228	225691	5.421	ng	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	114814	5.727	ng	99
84) Di-n-octyl phthalate	14.68	149	143263	10.088	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.98	276	150409	4.559	ng	94
87) Benzo(b)fluoranthene	15.12	252	185230	5.133	ng	98
88) Benzo(k)fluoranthene	15.14	252	207482	5.929	ng	# 94
89) Benzo(a)pyrene	15.48	252	168960	5.148	ng	96
90) Dibenzo(a,h)anthracene	17.00	278	126523	4.963	ng	96
91) Benzo(g,h,i)perylene	17.41	276	121047	4.854	ng	95

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

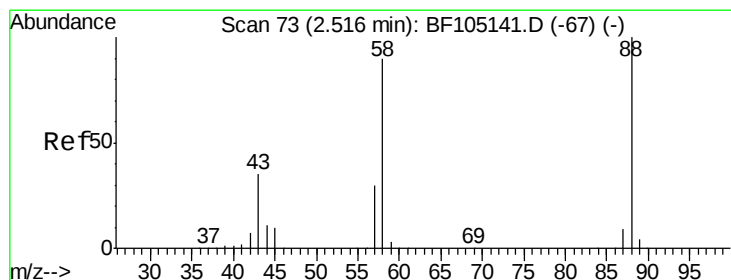
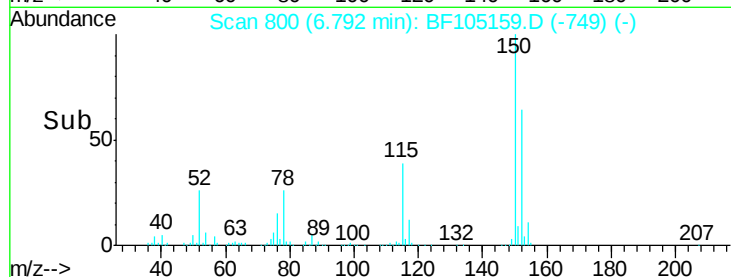
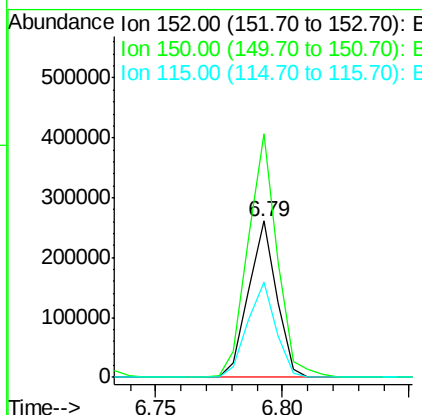
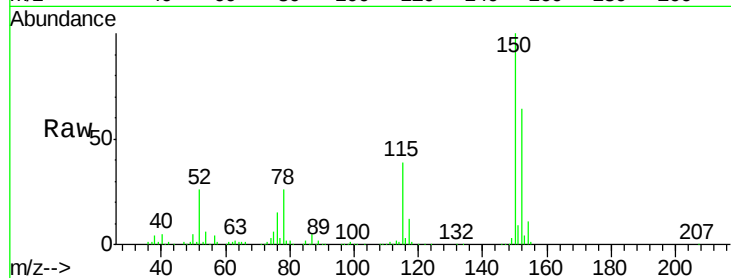


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

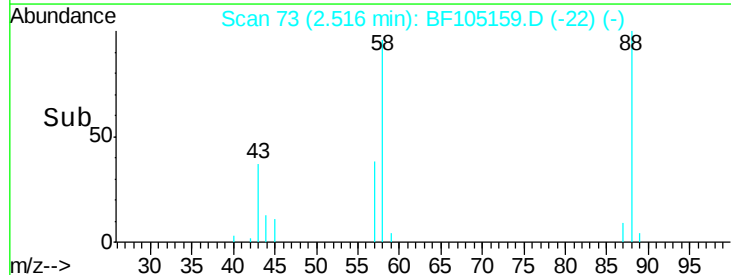
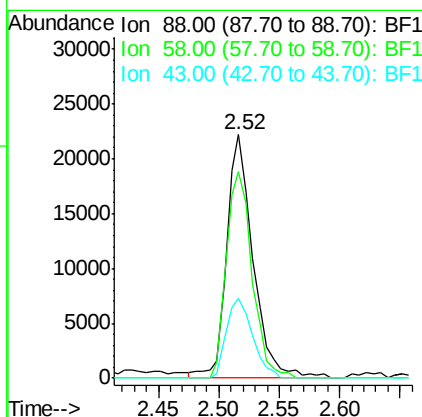
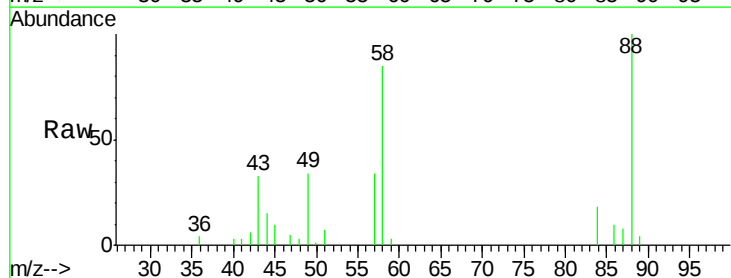
Tot Ion	152	Resp	200907
Ion Ratio	Lower	Upper	
152	100		
150	156.0	124.6	186.8
115	60.7	50.1	75.1

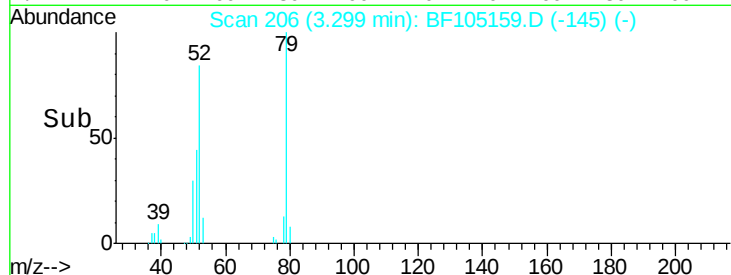
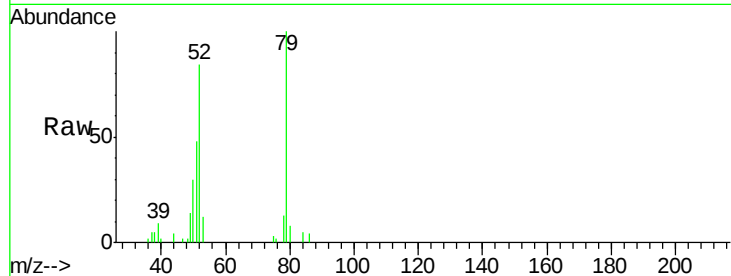
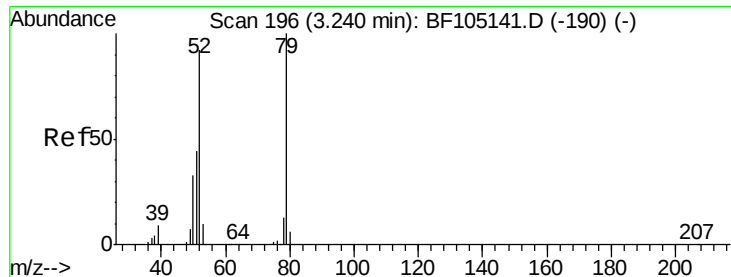


#2

1,4-Dioxane
Concen: 5.227 ng
RT: 2.52 min Scan# 73
Delta R.T. -0.00 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion	88	Resp	33702
Ion Ratio	Lower	Upper	
88	100		
58	82.6	62.6	93.8
43	32.3	24.6	37.0

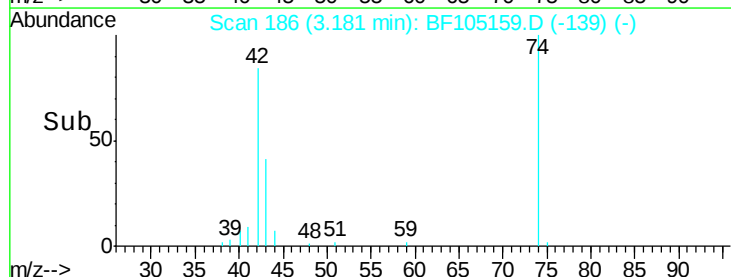
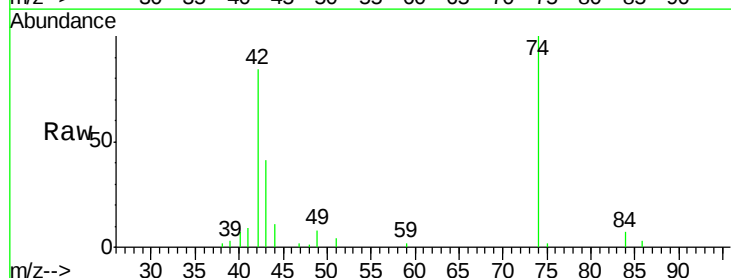
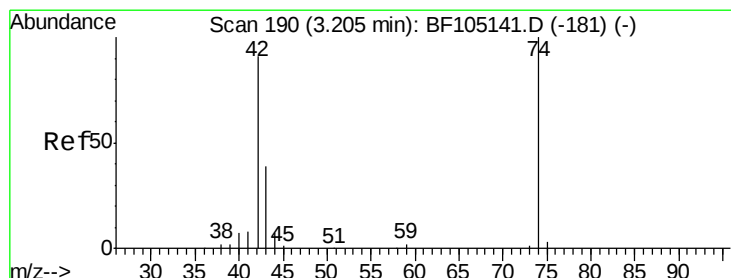
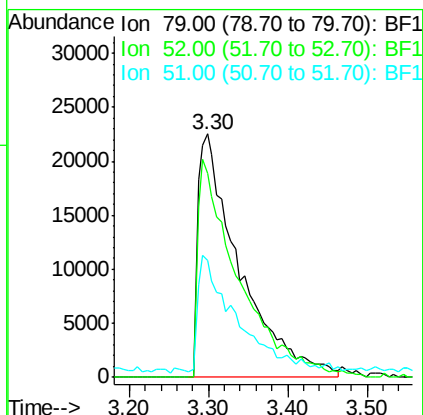




#3
 Pvridine
 Concen: 4.757 ng
 RT: 3.30 min Scan# 206
 Delta R.T. 0.06 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

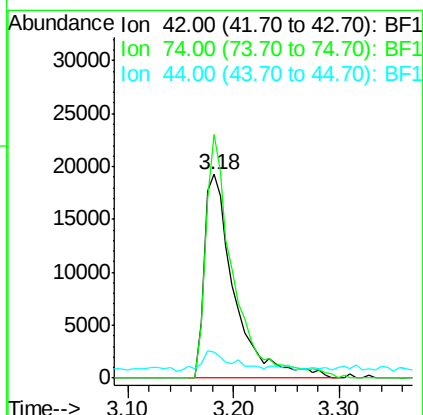
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

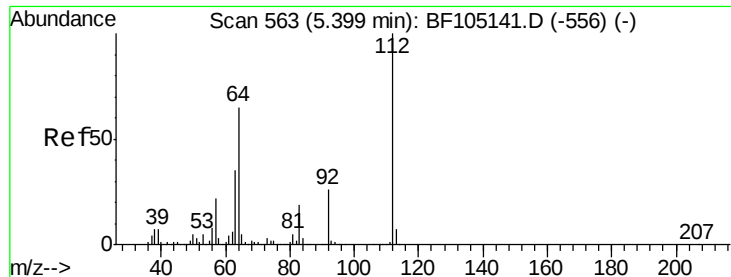
Tot Ion: 79 Resp: 82258
 Ion Ratio Lower Upper
 79 100
 52 84.0 59.8 89.6
 51 48.0 29.8 44.8#



#4
 n-Nitrosodimethylamine
 Concen: 4.335 ng
 RT: 3.18 min Scan# 186
 Delta R.T. -0.02 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

Tgt Ion: 42 Resp: 37991
 Ion Ratio Lower Upper
 42 100
 74 119.5 104.9 157.3
 44 12.7 6.9 10.3#





#5

2-Fluorophenol

Concen: 127.302 ng

RT: 5.40 min Scan# 563

Delta R.T. -0.00 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

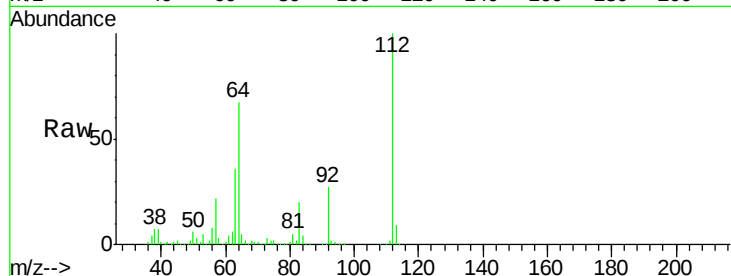
Tot Ion:112 Resp: 1552461

Ion Ratio Lower Upper

112 100

64 66.6 47.9 71.9

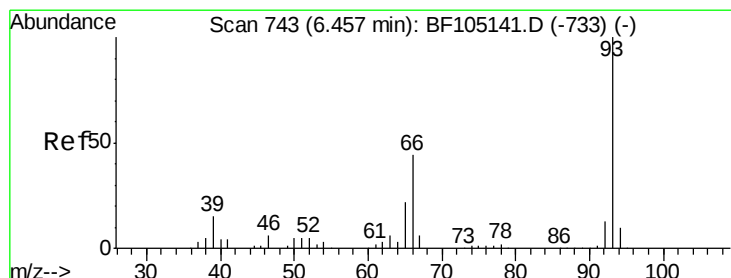
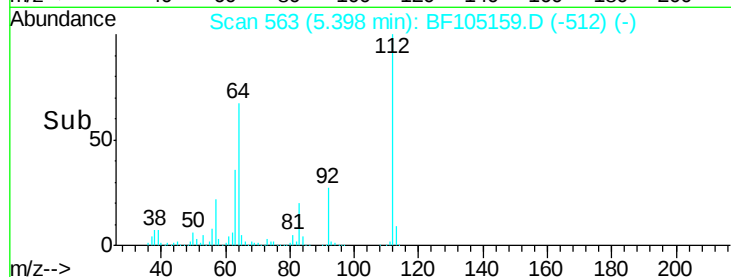
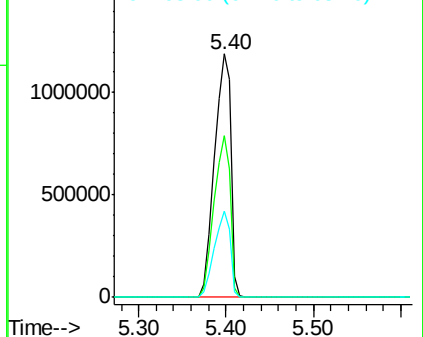
63 35.5 23.7 35.5#



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: 5.121 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

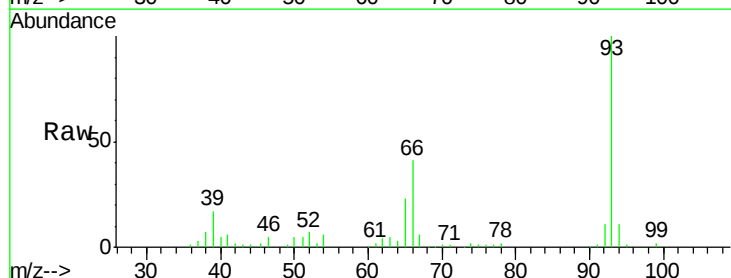
Tgt Ion: 93 Resp: 108606

Ion Ratio Lower Upper

93 100

66 40.8 32.2 48.2

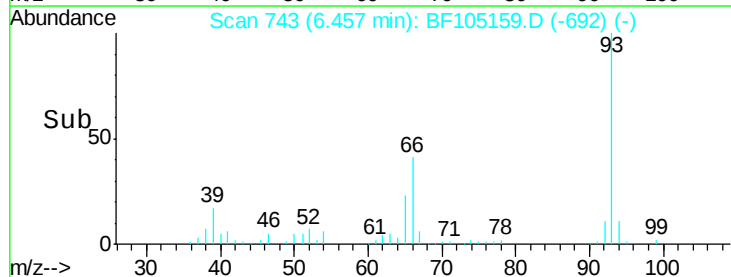
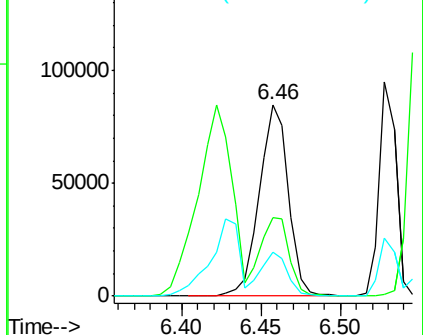
65 23.2 16.4 24.6

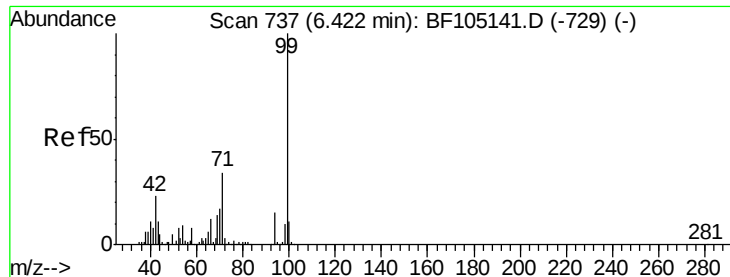


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 126.904 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

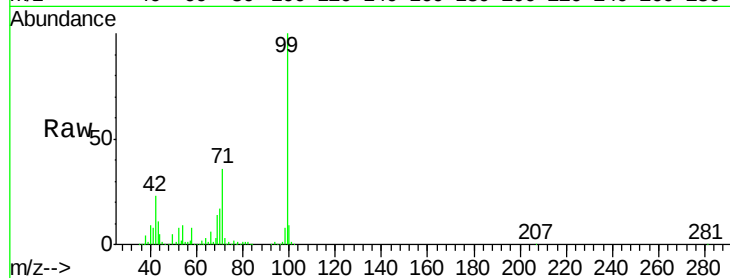
Tot Ion: 99 Resp: 1842744

Ion Ratio Lower Upper

99 100

42 22.6 14.5 21.7#

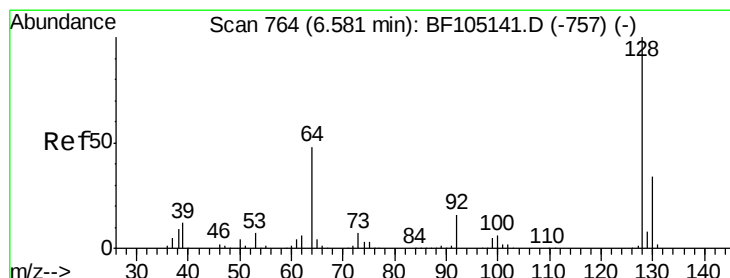
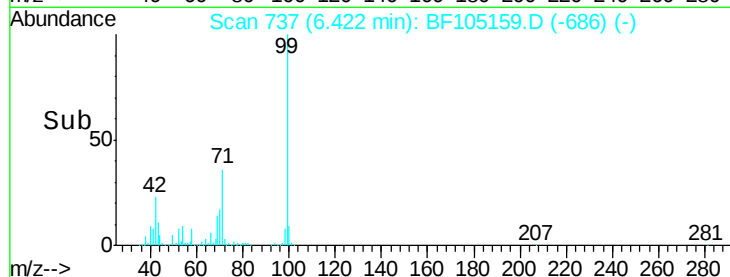
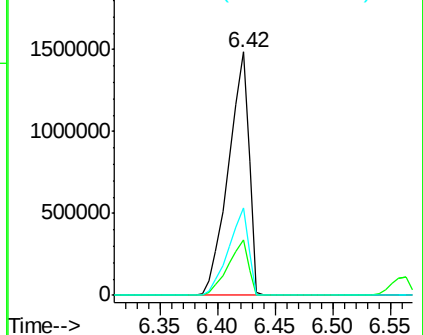
71 36.1 25.4 38.0



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: 5.506 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

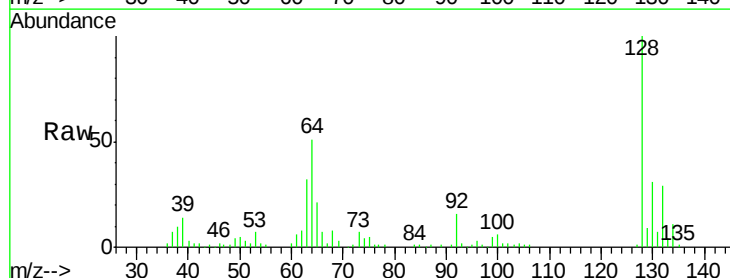
Tgt Ion: 128 Resp: 71228

Ion Ratio Lower Upper

128 100

130 31.4 13.0 53.0

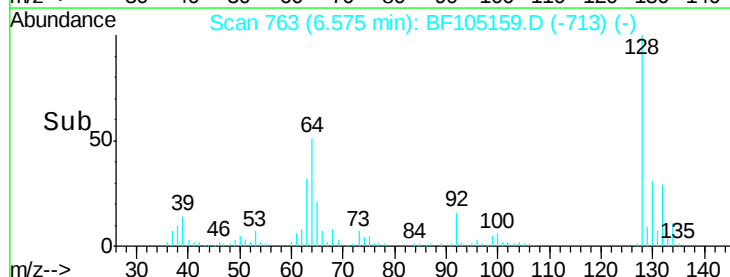
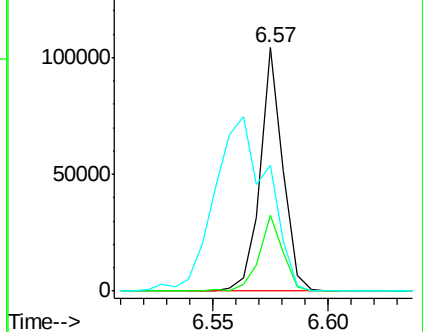
64 51.5 29.4 69.4

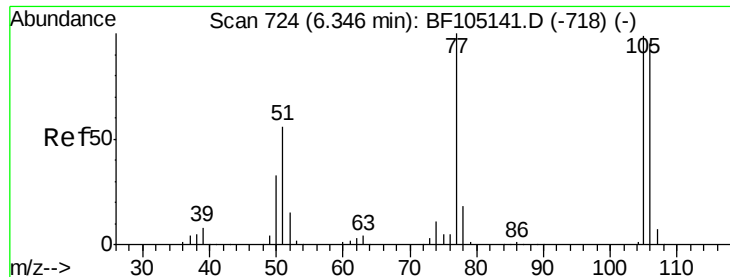


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

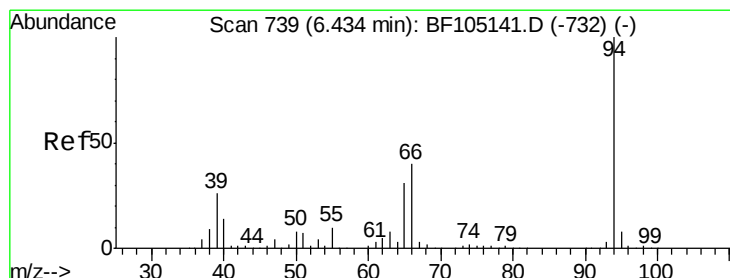
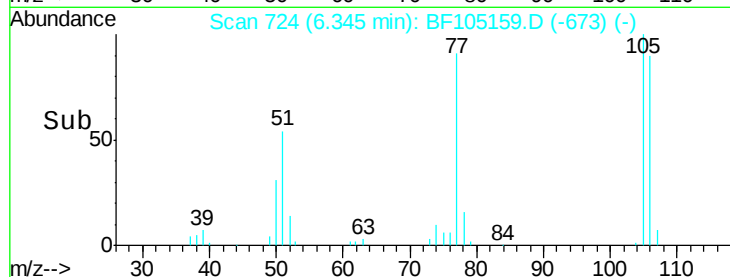
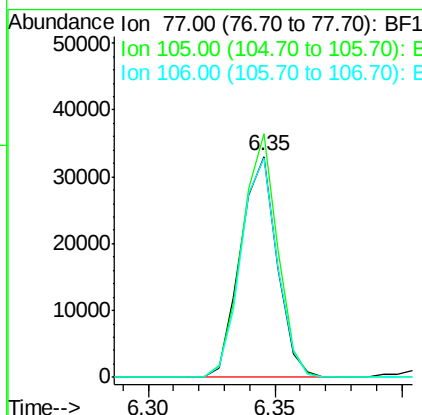
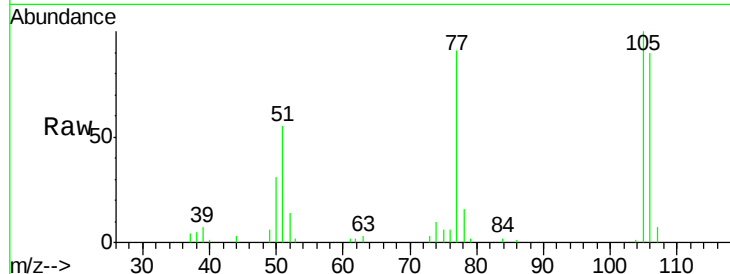




#9
Benzaldehyde
Concen: 2.983 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.00 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

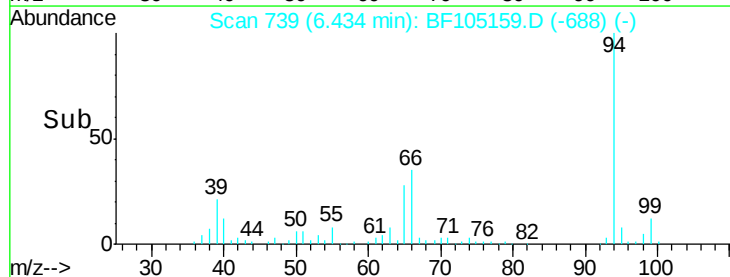
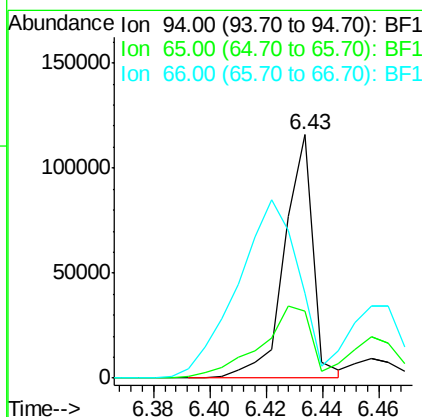
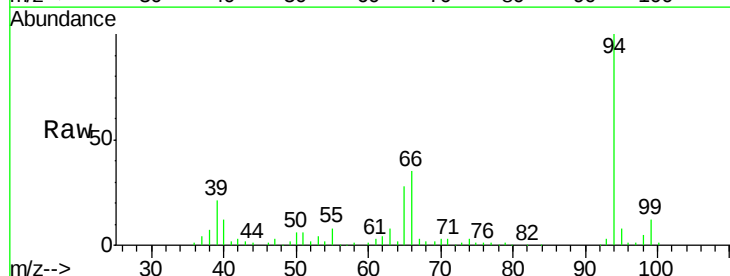
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

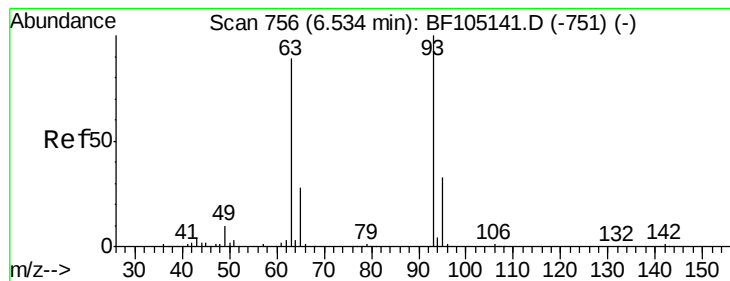
Tot Ion: 77 Resp: 33199
Ion Ratio Lower Upper
77 100
105 110.4 81.1 121.1
106 99.5 74.5 114.5



#10
Phenol
Concen: 5.025 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion: 94 Resp: 81200
Ion Ratio Lower Upper
94 100
65 27.5 7.9 47.9
66 34.9 16.2 56.2





#11

bis(2-Chloroethyl)ether

Concen: 5.337 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

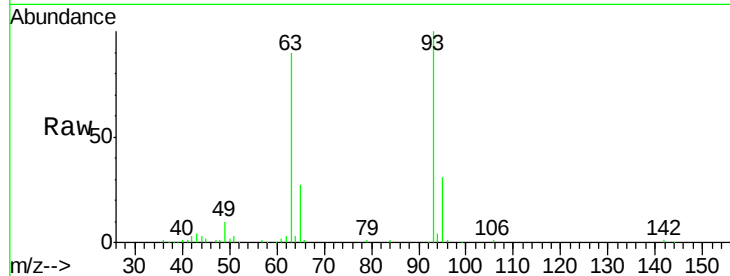
Tot Ion: 93 Resp: 71077

Ion Ratio Lower Upper

93 100

63 89.7 58.6 98.6

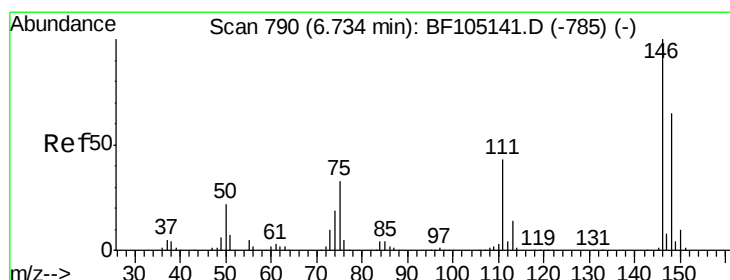
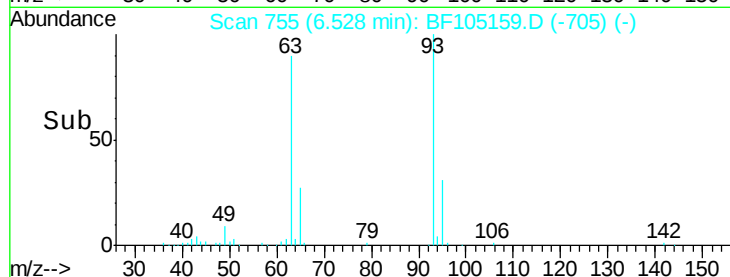
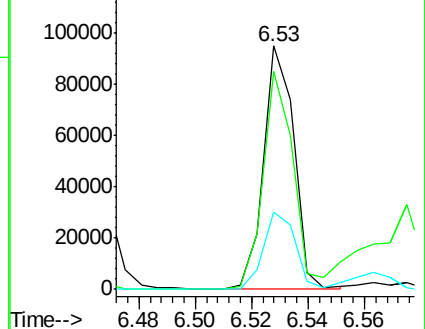
95 31.5 11.8 51.8



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: 5.700 ng

RT: 6.73 min Scan# 790

Delta R.T. -0.00 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

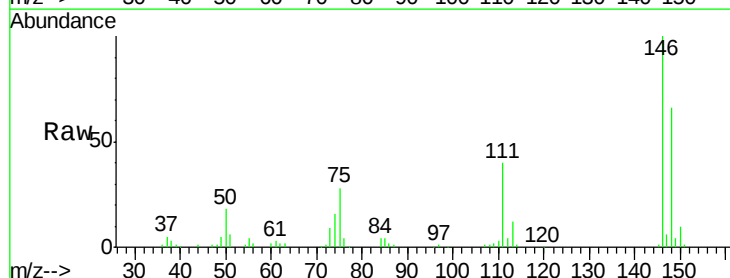
Tgt Ion: 146 Resp: 88874

Ion Ratio Lower Upper

146 100

148 65.9 51.8 77.8

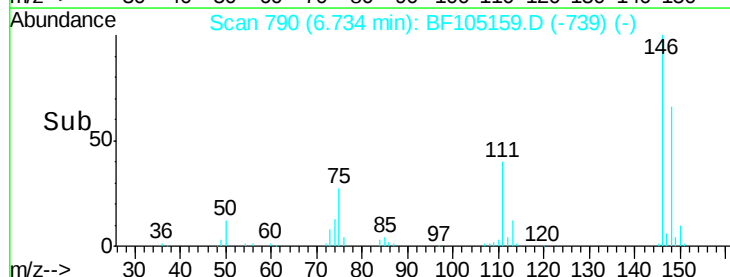
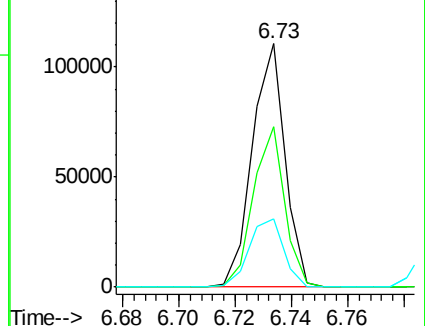
75 28.2 24.2 36.4

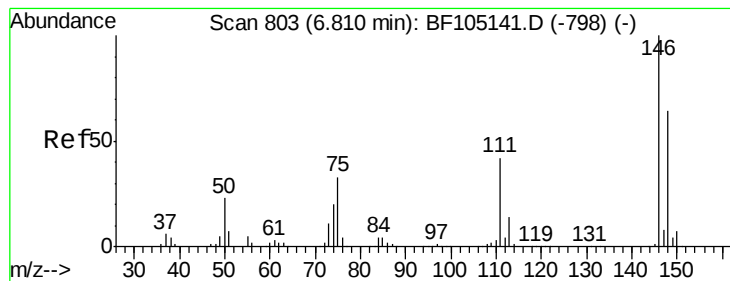


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 5.702 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

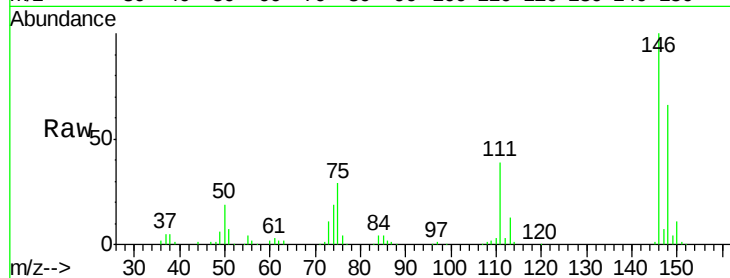
Tot Ion:146 Resp: 88904

Ion Ratio Lower Upper

146 100

148 65.9 50.8 76.2

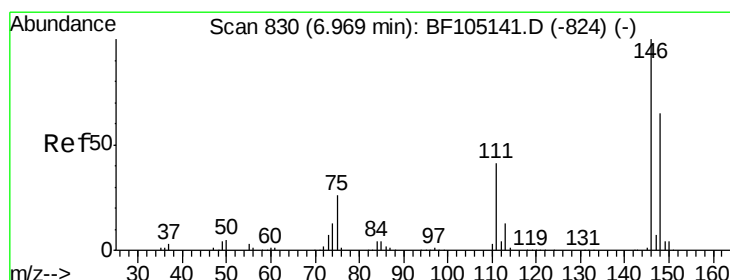
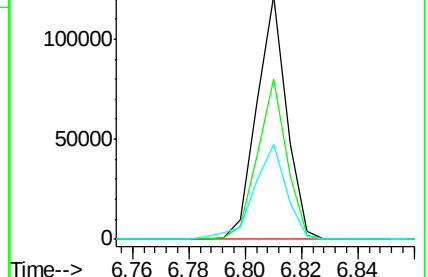
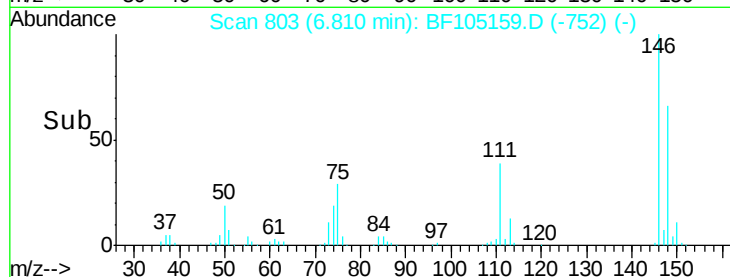
111 39.2 34.2 51.2



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: 5.766 ng

RT: 6.96 min Scan# 829

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

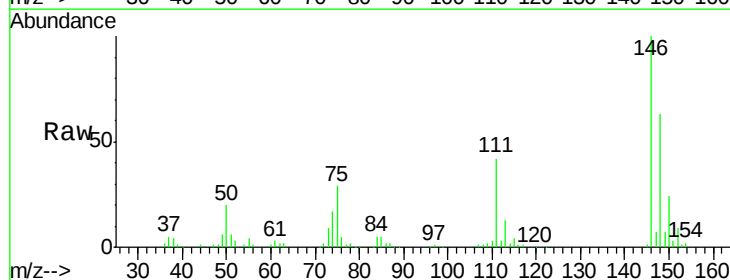
Tgt Ion:146 Resp: 82935

Ion Ratio Lower Upper

146 100

148 63.4 50.6 75.8

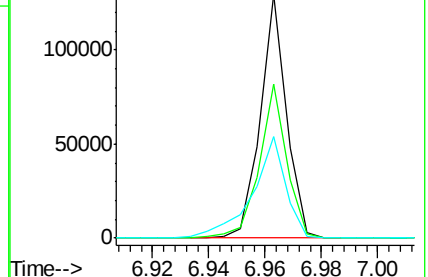
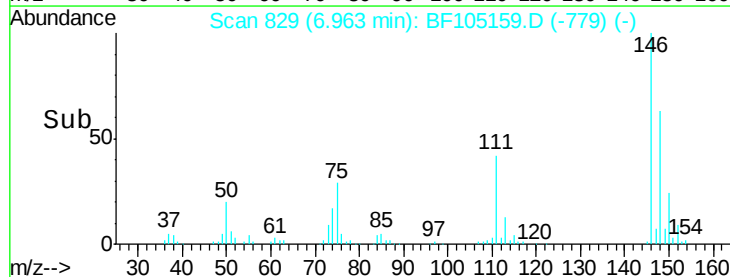
111 42.0 36.0 54.0

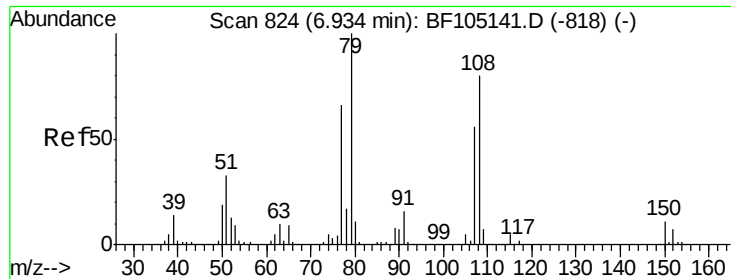


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 6.866 ng

RT: 6.93 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

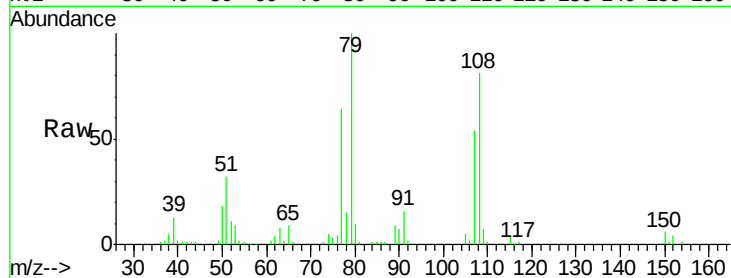
Tot Ion: 79 Resp: 76307

Ion Ratio Lower Upper

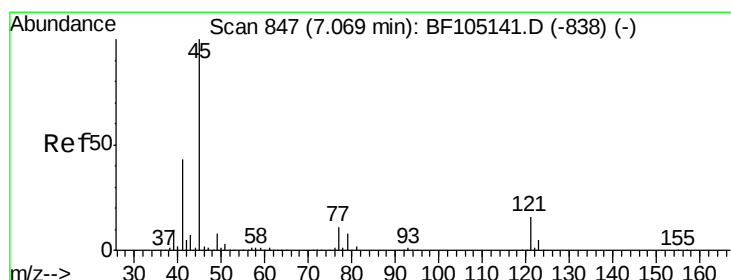
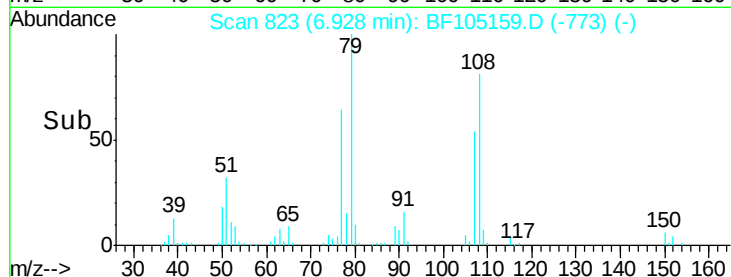
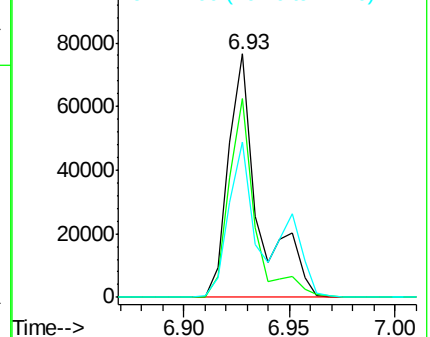
79 100

108 81.4 65.1 97.7

77 63.8 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: 5.284 ng

RT: 7.07 min Scan# 847

Delta R.T. -0.00 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

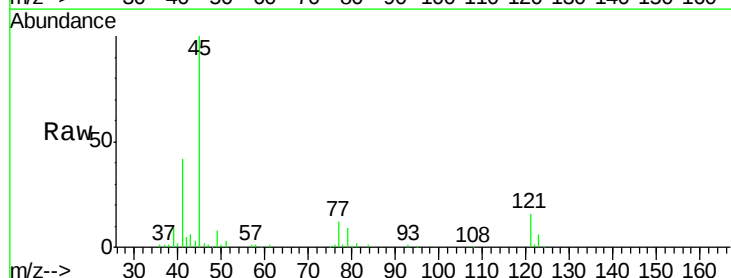
Tgt Ion: 45 Resp: 130790

Ion Ratio Lower Upper

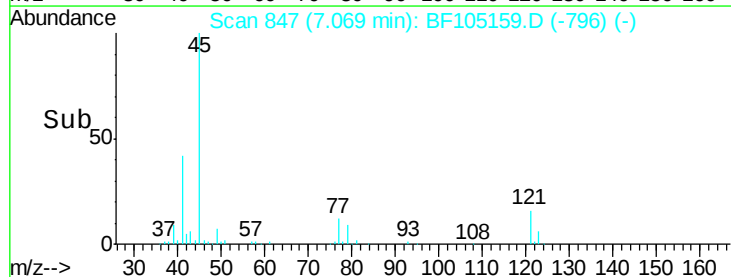
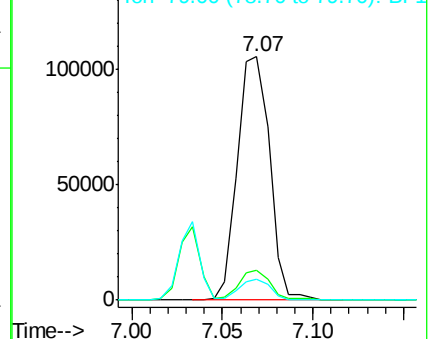
45 100

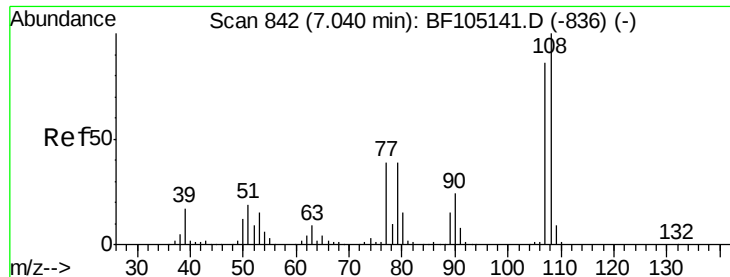
77 12.3 0.0 32.9

79 8.7 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

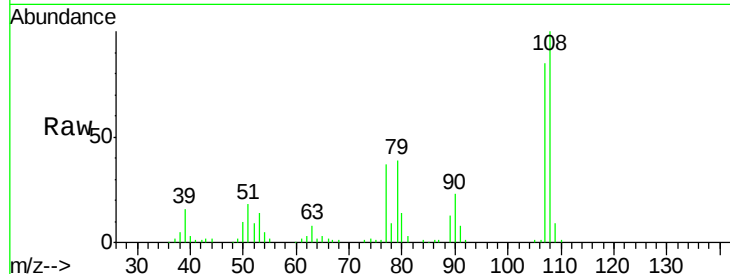




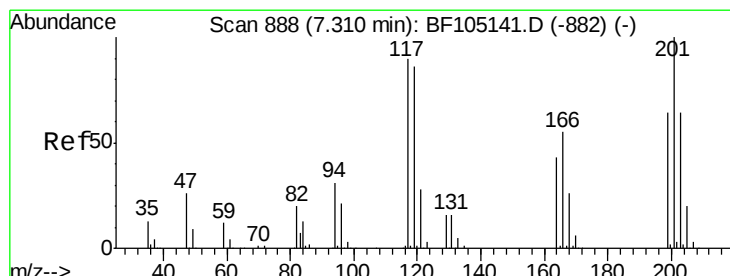
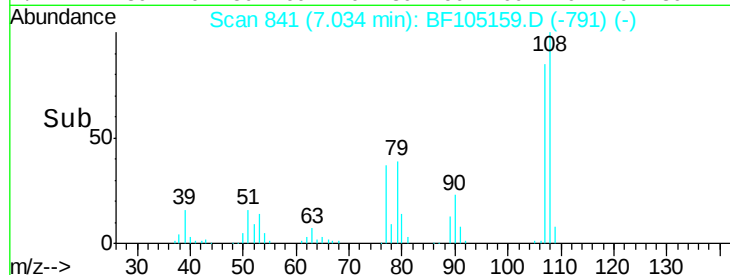
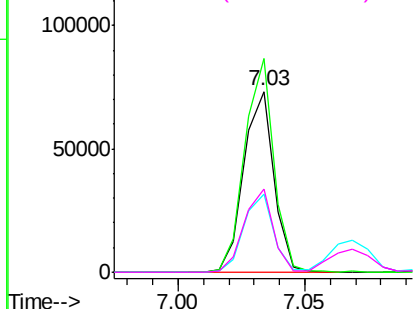
#17
2-Methylphenol
Concen: 5.410 ng
RT: 7.03 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion:107 Resp: 60430
Ion Ratio Lower Upper
107 100
108 118.1 91.7 137.5
77 43.3 33.8 50.8
79 46.2 33.8 50.8

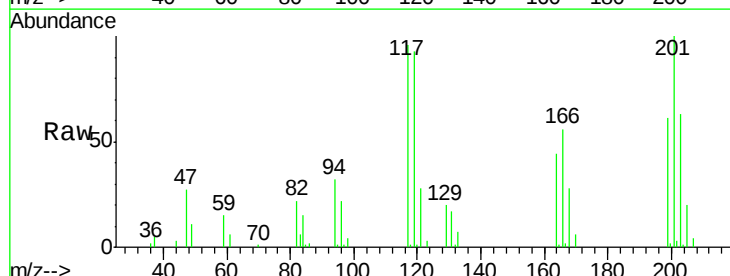


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

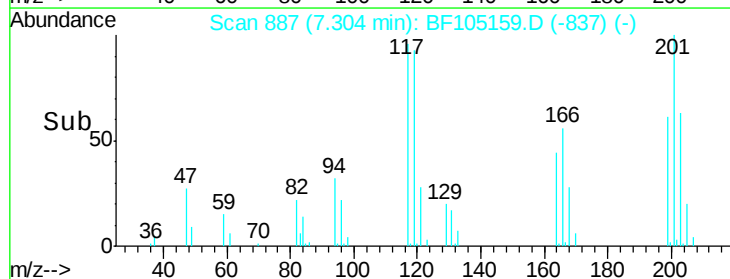
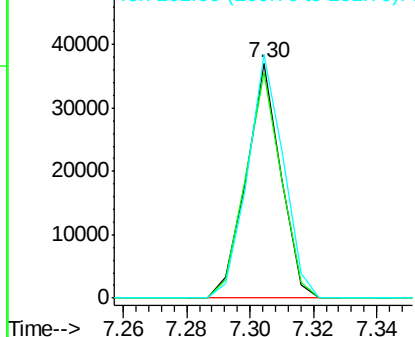


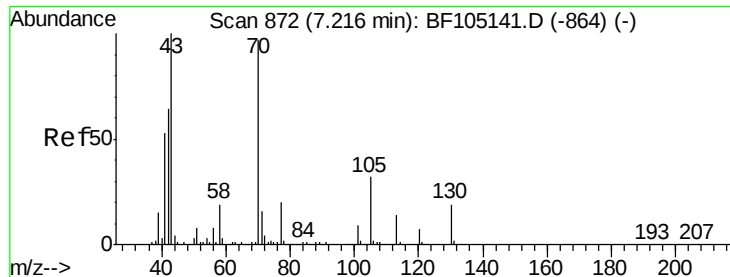
#18
Hexachloroethane
Concen: 5.566 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion:117 Resp: 27926
Ion Ratio Lower Upper
117 100
119 96.2 75.8 113.8
201 103.7 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

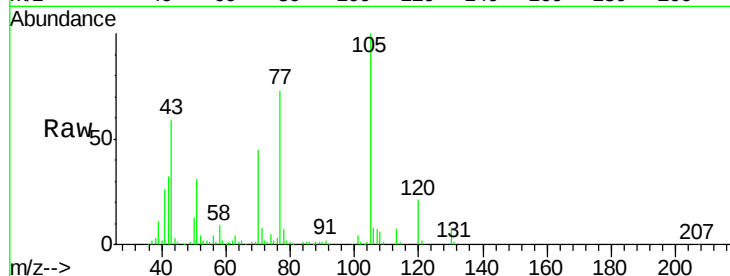




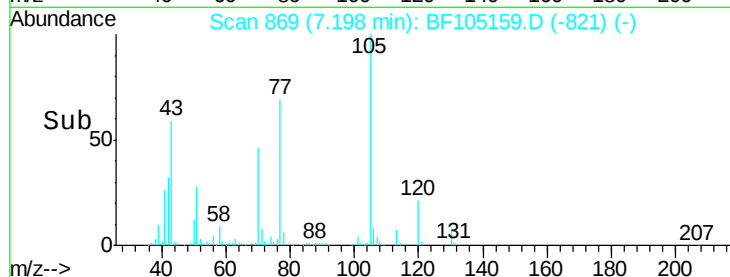
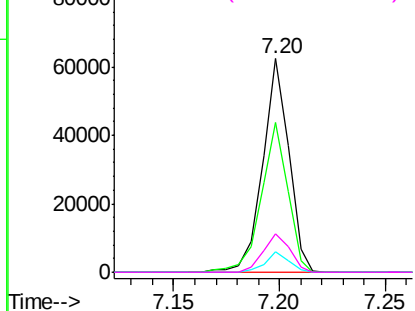
#19
n-Nitroso-di-n-propylamine
Concen: 5.626 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.02 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion: 70 Resp: 54092
Ion Ratio Lower Upper
70 100
42 70.3 47.5 71.3
101 9.5 7.4 11.2
130 17.8 16.6 25.0



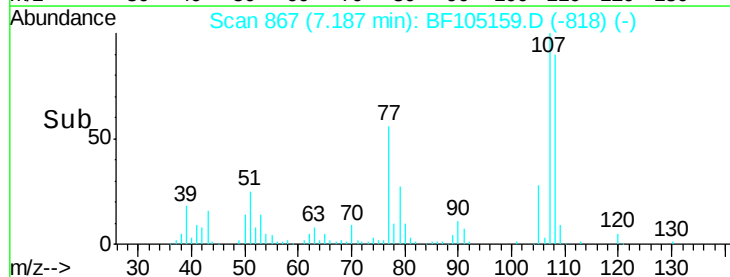
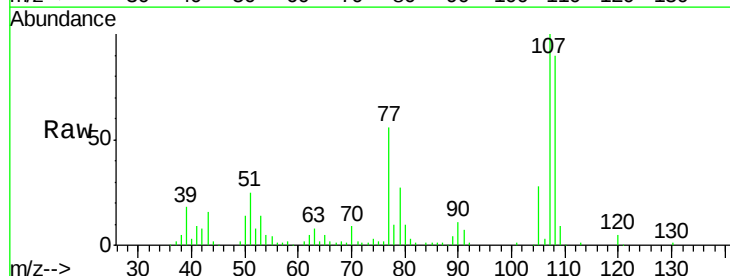
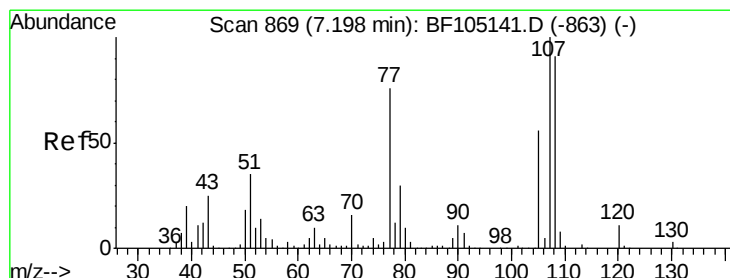
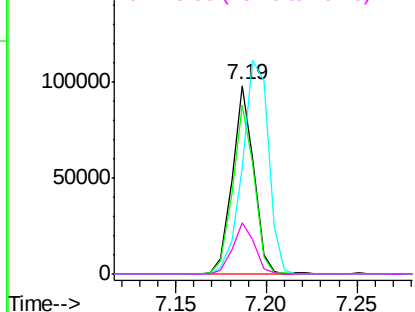
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

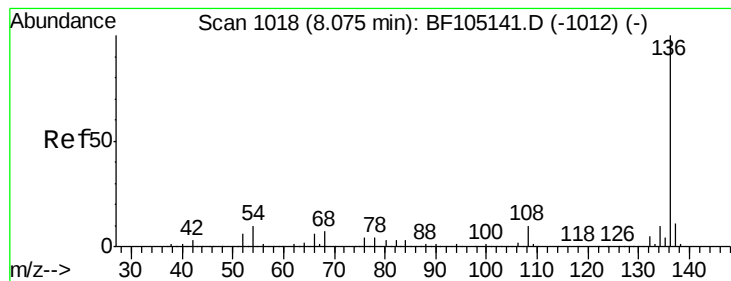


#20
3+4-Methylphenols
Concen: 6.171 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion: 107 Resp: 81002
Ion Ratio Lower Upper
107 100
108 90.1 68.2 108.2
77 56.4 26.7 66.7
79 27.1 6.3 46.3

Abundance Ion 107.00 (106.70 to 107.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
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: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:136 Resp: 798116

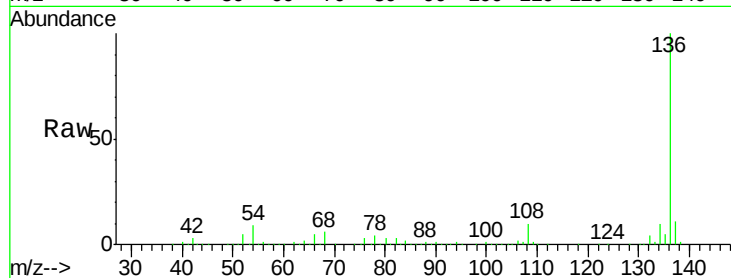
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.4 6.6 9.8

68 6.2 5.0 7.4

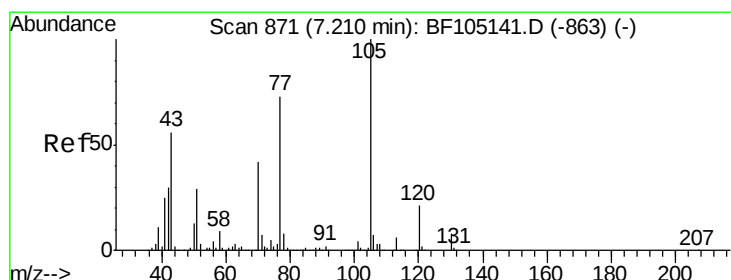
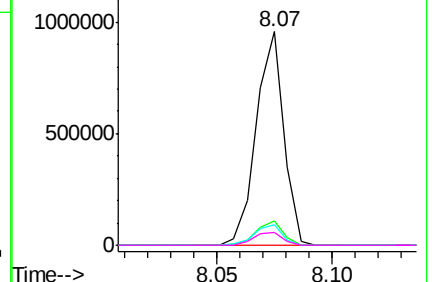
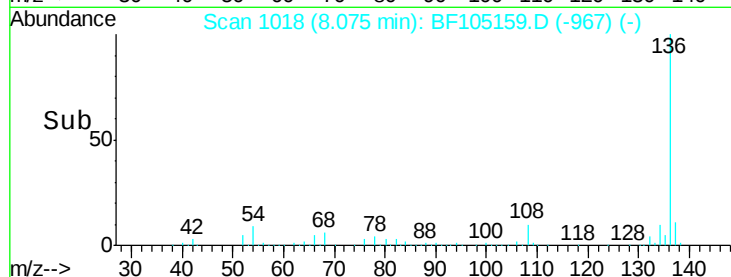


Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.131 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Tgt Ion:105 Resp: 114066

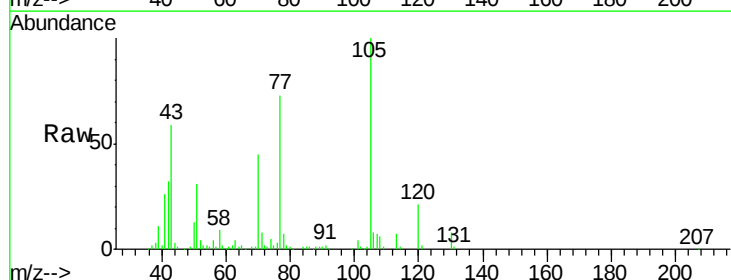
Ion Ratio Lower Upper

105 100

71 7.7 4.4 6.6#

51 30.8 22.3 33.5

120 20.8 16.9 25.3

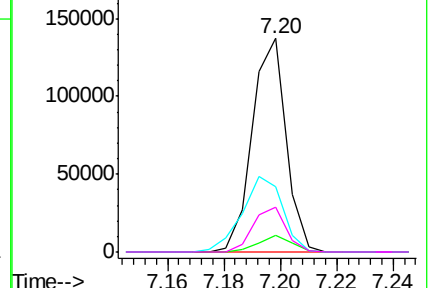
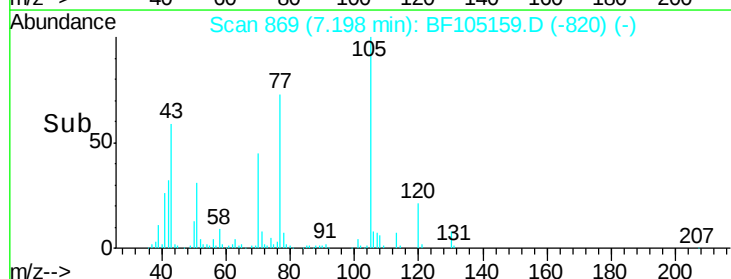


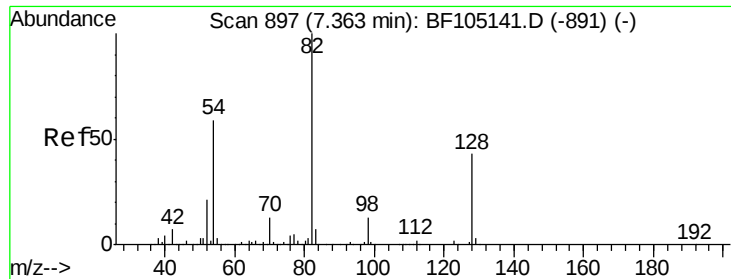
Abundance Ion 105.00 (104.70 to 105.70): E

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

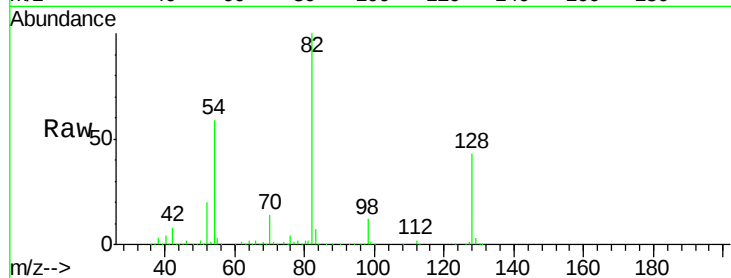




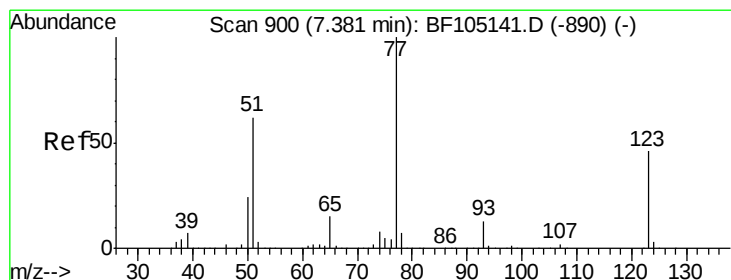
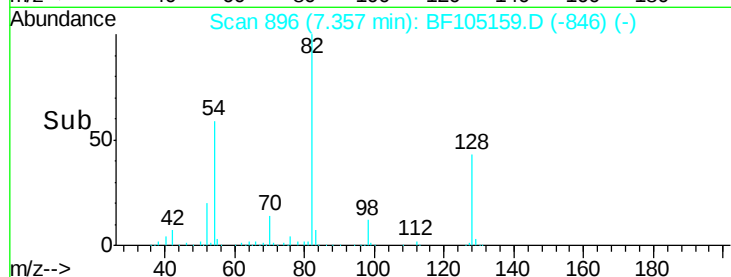
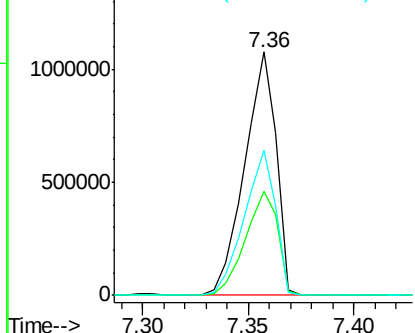
#23
Nitrobenzene-d5
Concen: 94.735 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion: 82 Resp: 1115618
Ion Ratio Lower Upper
82 100
128 42.9 36.1 54.1
54 59.3 41.4 62.2

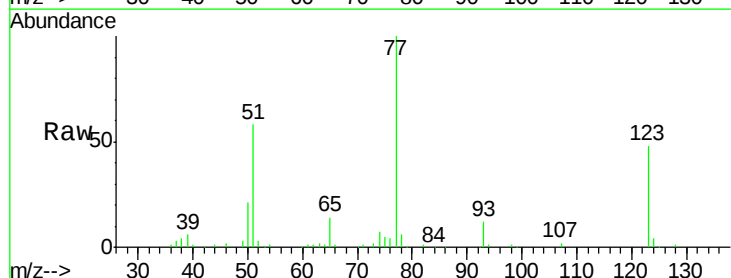


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

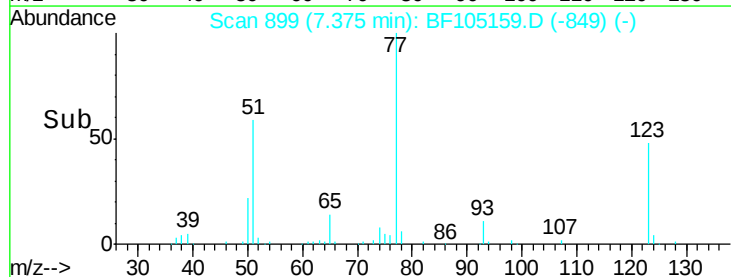
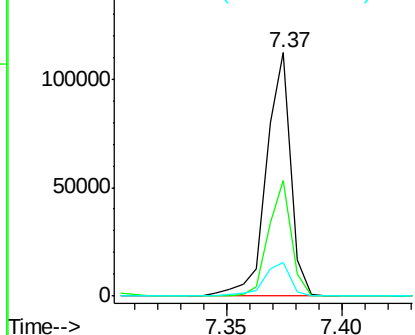


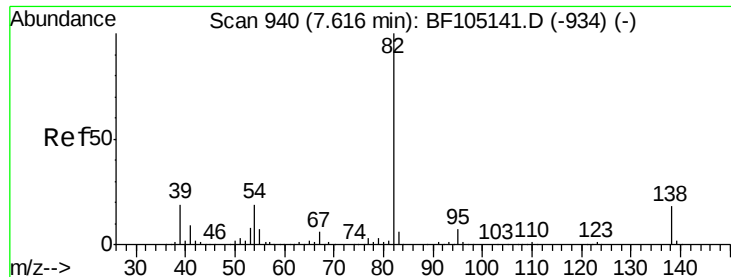
#24
Nitrobenzene
Concen: 6.114 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion: 77 Resp: 81640
Ion Ratio Lower Upper
77 100
123 47.5 37.9 56.9
65 13.6 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 5.056 ng

RT: 7.60 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

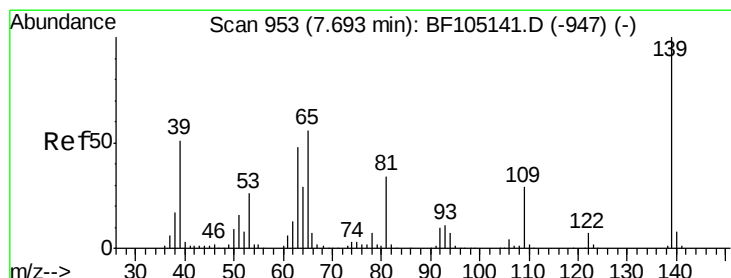
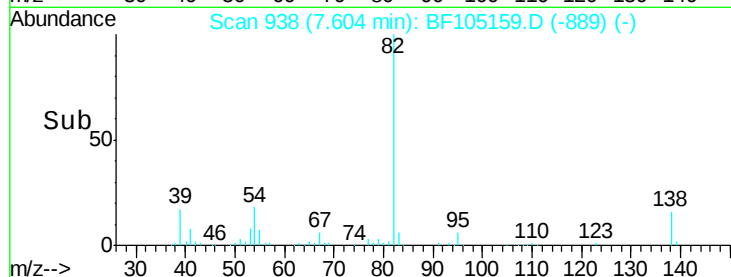
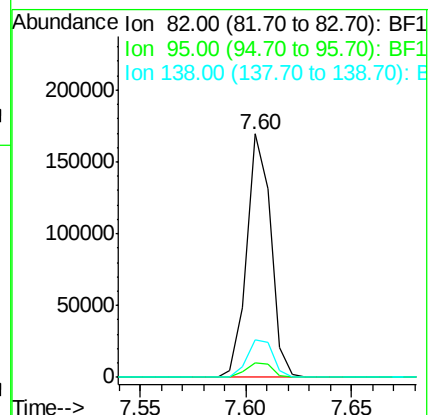
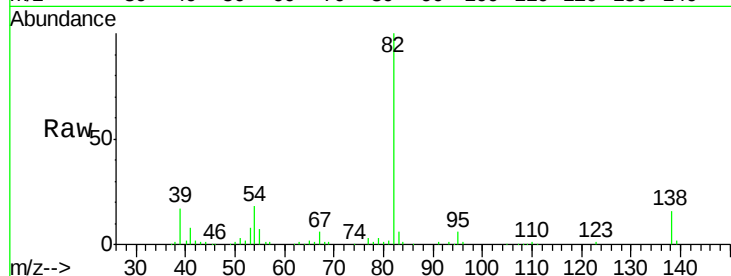
Tot Ion: 82 Resp: 133158

Ion Ratio Lower Upper

82 100

95 6.1 5.2 7.8

138 15.5 14.9 22.3



#26

2-Nitrophenol

Concen: 13.737 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

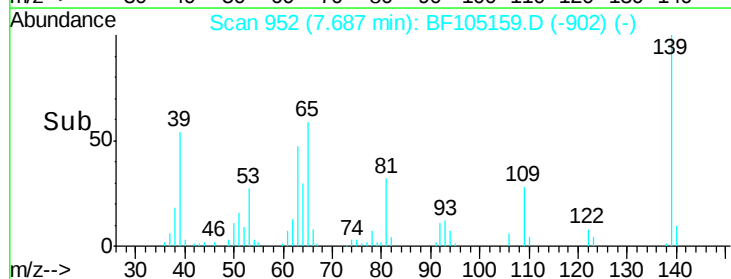
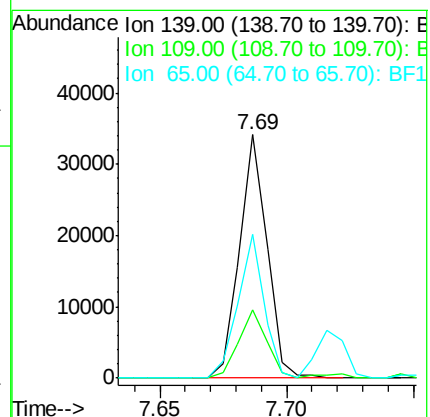
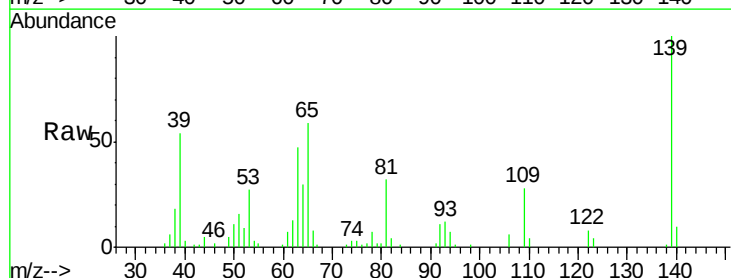
Tgt Ion: 139 Resp: 25669

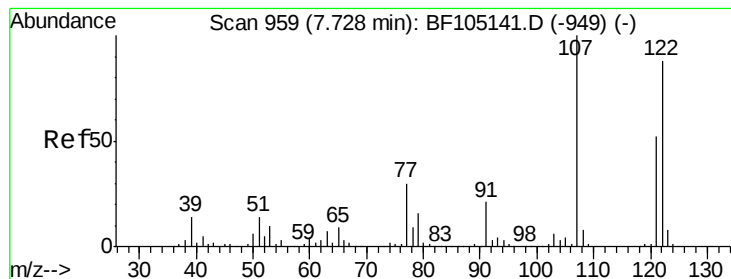
Ion Ratio Lower Upper

139 100

109 27.8 22.7 34.1

65 59.1 40.5 60.7

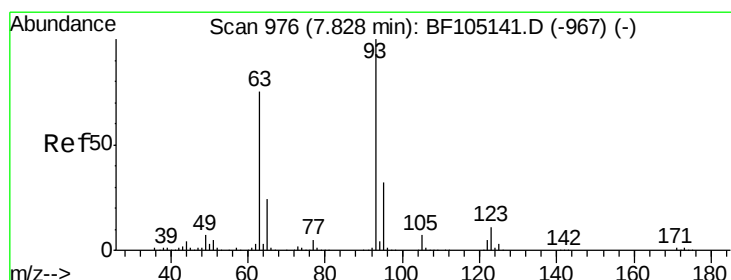
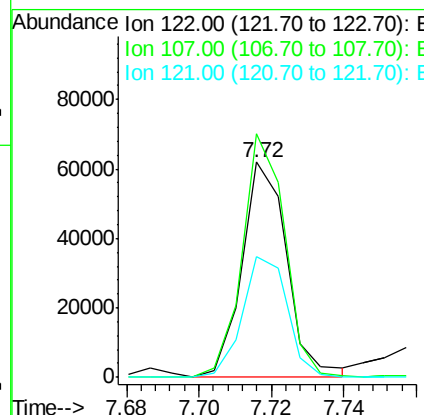
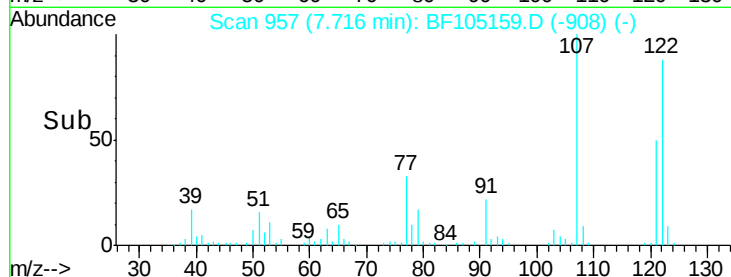
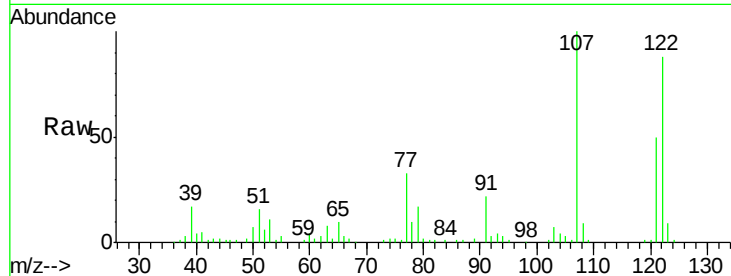




#27
 2,4-Dimethylphenol
 Concen: 4.562 ng
 RT: 7.72 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

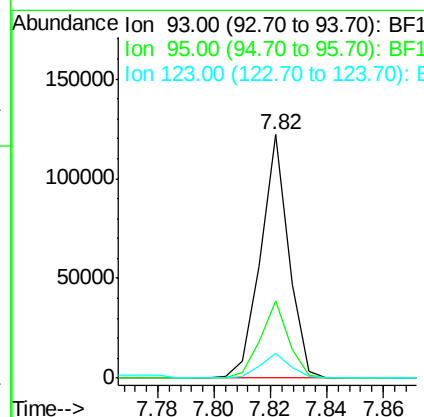
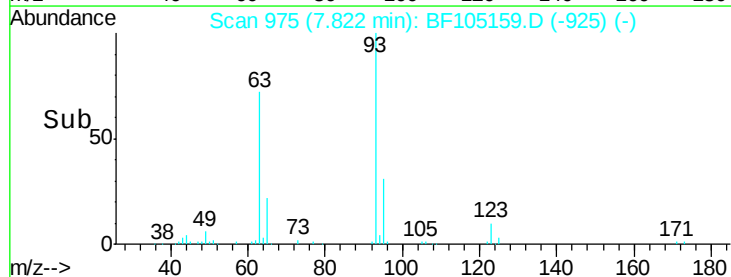
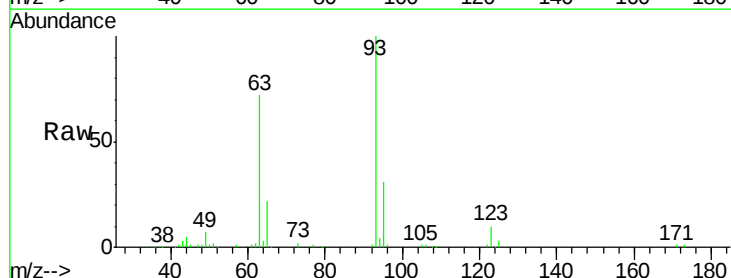
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

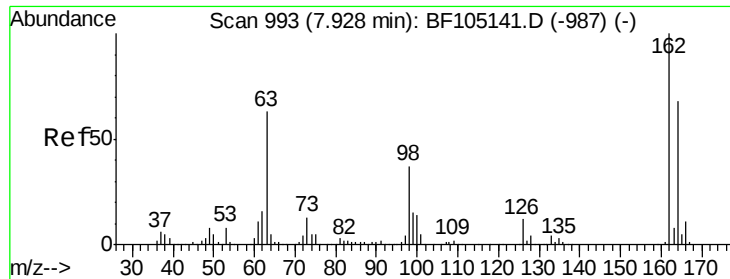
Tot Ion:122 Resp: 53392
 Ion Ratio Lower Upper
 122 100
 107 113.1 91.2 136.8
 121 56.3 47.2 70.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 5.173 ng
 RT: 7.82 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

Tgt Ion: 93 Resp: 84072
 Ion Ratio Lower Upper
 93 100
 95 31.5 26.3 39.5
 123 10.4 9.8 14.6

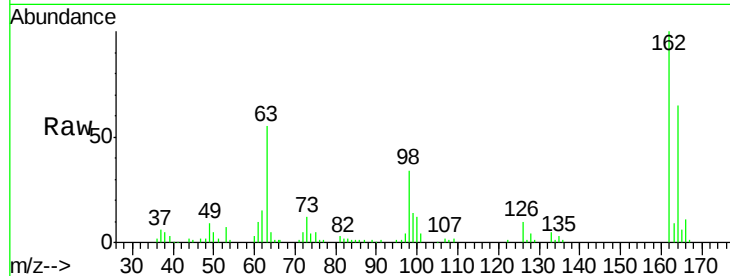




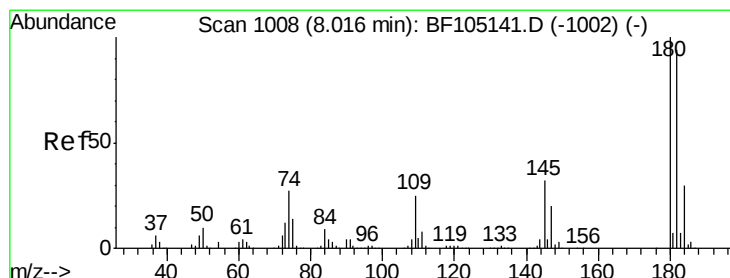
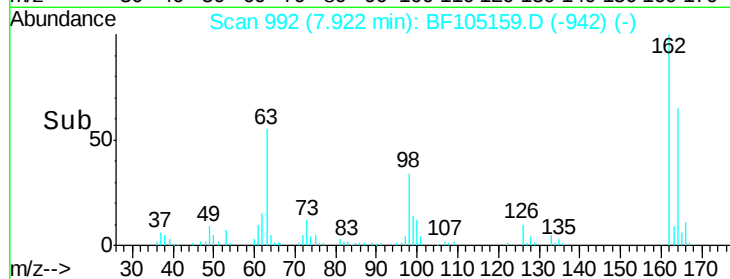
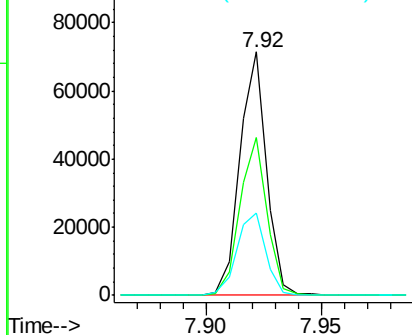
#29
 2,4-Dichlorophenol
 Concen: 5.266 ng
 RT: 7.92 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion:162 Resp: 57660
 Ion Ratio Lower Upper
 162 100
 164 64.6 42.7 82.7
 98 33.7 18.1 58.1

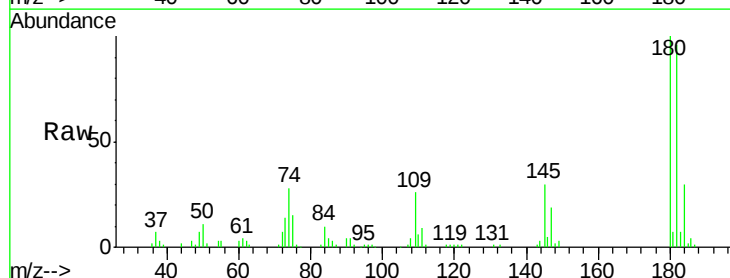


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

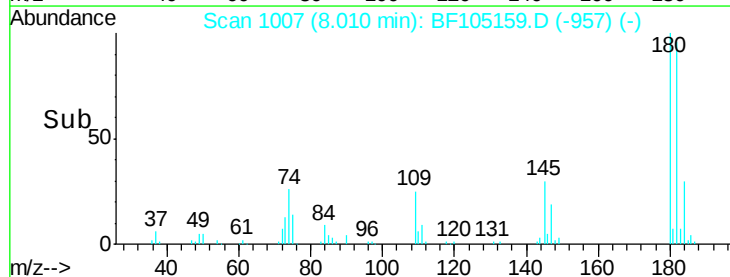
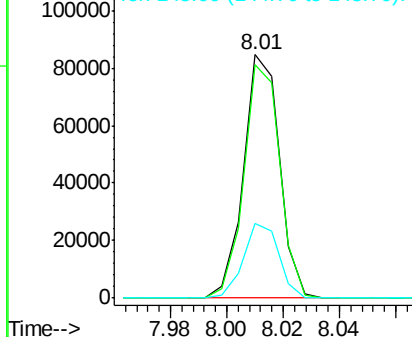


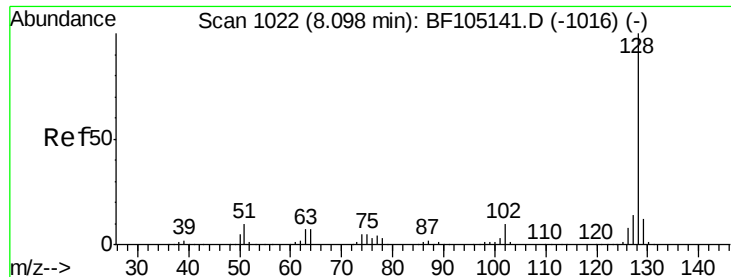
#30
 1,2,4-Trichlorobenzene
 Concen: 5.901 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

Tgt Ion:180 Resp: 74520
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.8 115.2
 145 30.5 26.5 39.7



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

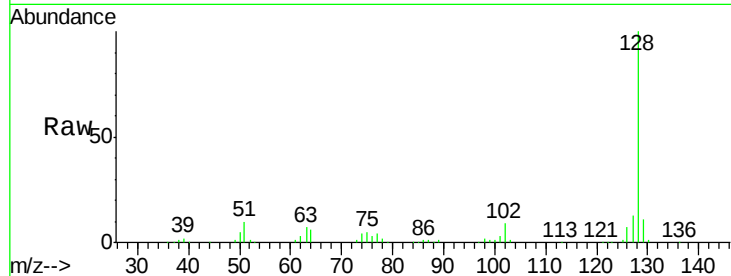




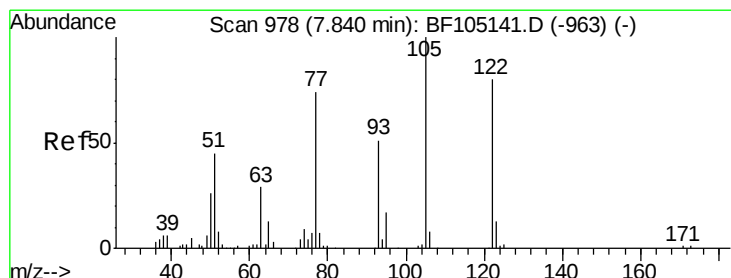
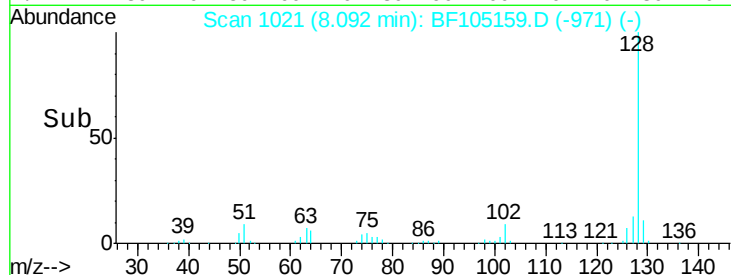
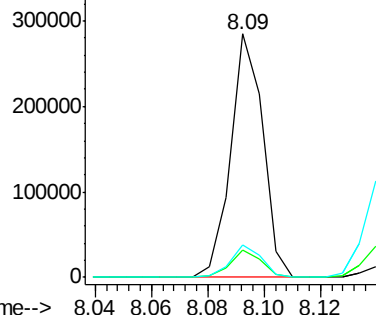
#31
Naphthalene
Concen: 5.872 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion:128 Resp: 225641
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.2 10.9 16.3

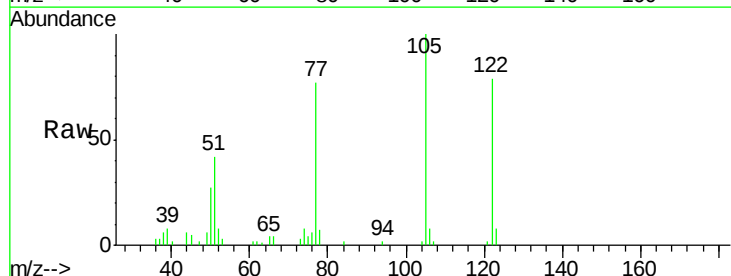


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

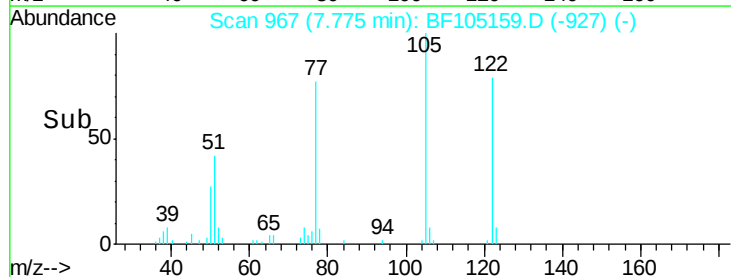
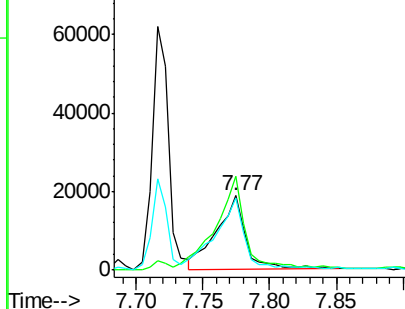


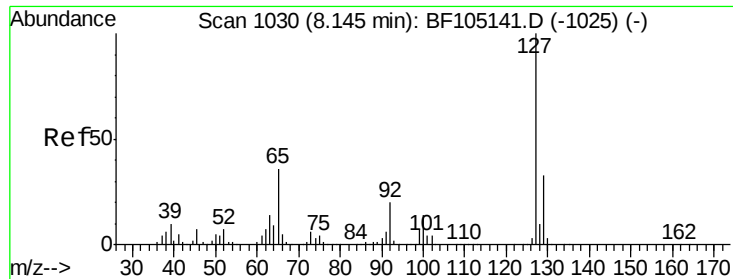
#32
Benzoic acid
Concen: 13.132 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.06 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion:122 Resp: 28612
Ion Ratio Lower Upper
122 100
105 125.9 101.1 141.1
77 97.5 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

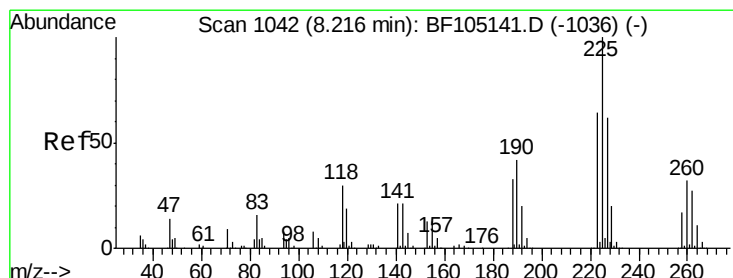
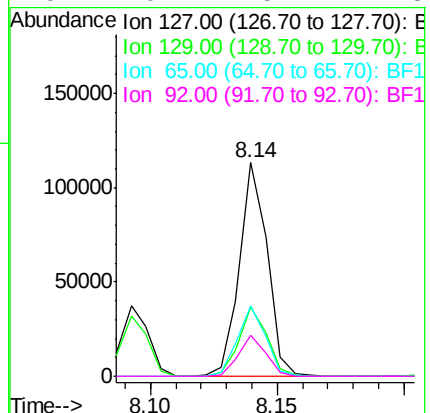
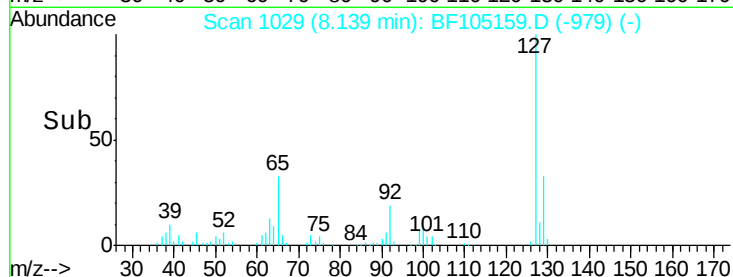
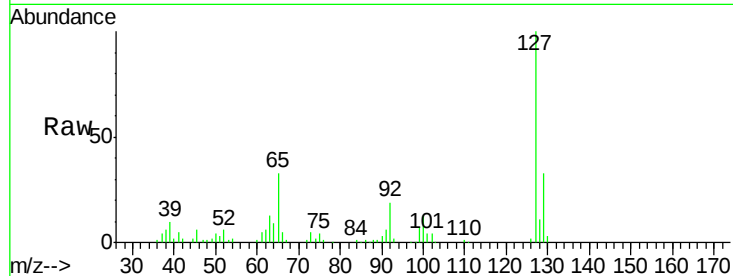




#33
4-Chloroaniline
Concen: 5.386 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

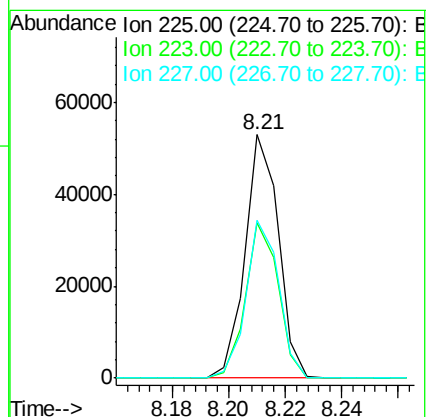
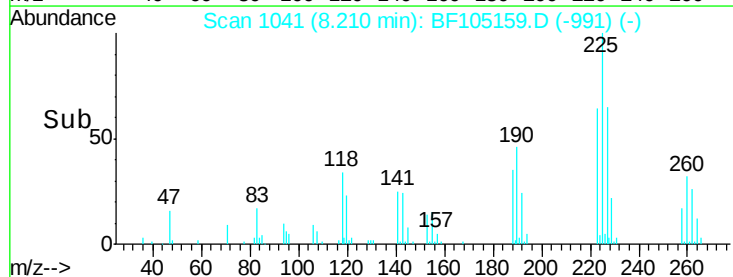
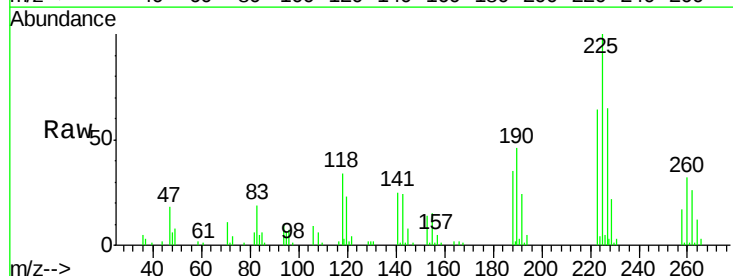
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

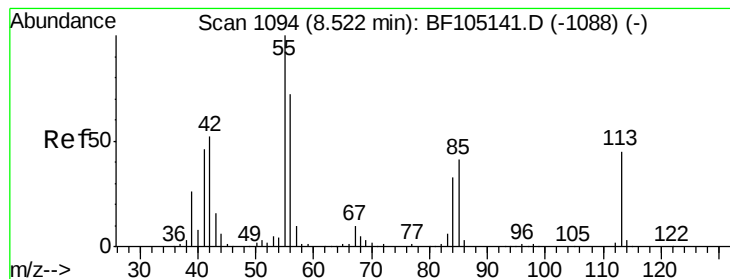
Tot Ion:	127	Resp:	86074
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.9	38.9
65	33.1	25.0	37.4
92	19.2	15.2	22.8



#34
Hexachlorobutadiene
Concen: 5.906 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion:	225	Resp:	43206
Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.6	76.0
227	64.6	51.9	77.9





#35

Caprolactam

Concen: 4.838 ng

RT: 8.47 min Scan# 1085

Delta R.T. -0.05 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

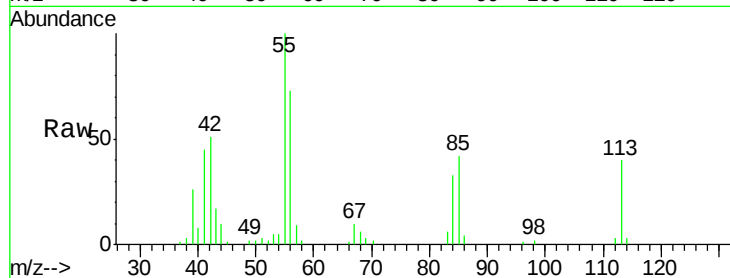
Tot Ion:113 Resp: 16089

Ion Ratio Lower Upper

113 100

55 249.6 163.3 203.3#

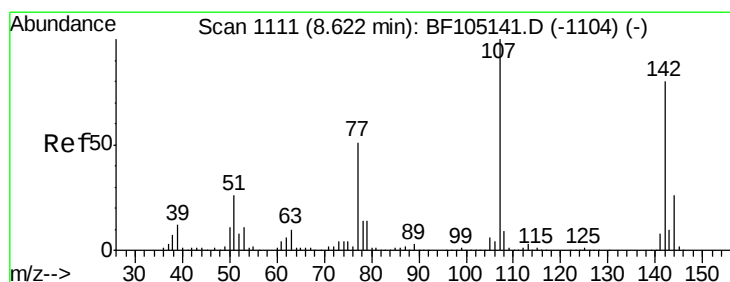
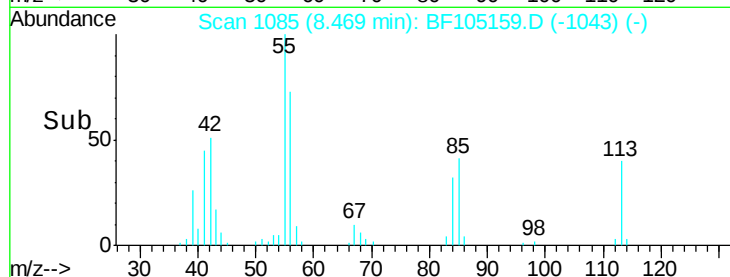
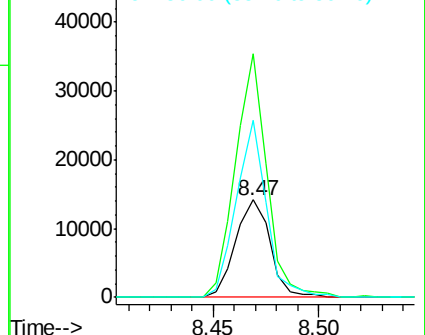
56 181.1 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 5.144 ng

RT: 8.61 min Scan# 1109

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

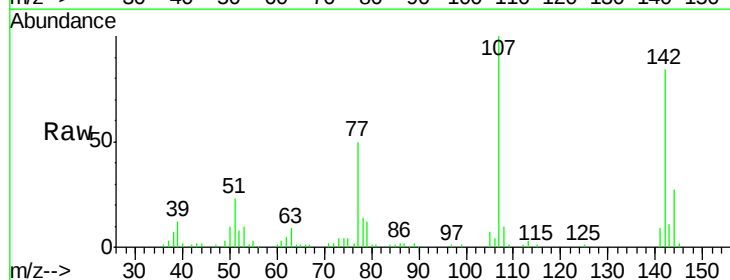
Tgt Ion:107 Resp: 58646

Ion Ratio Lower Upper

107 100

144 26.7 20.5 30.7

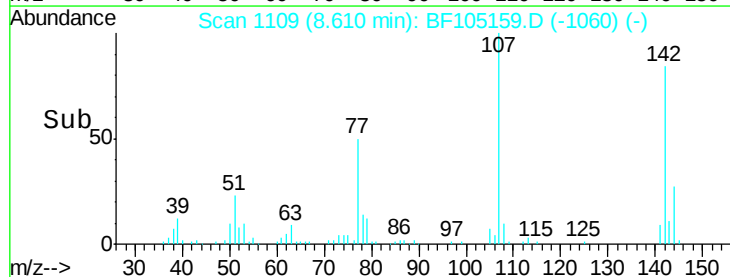
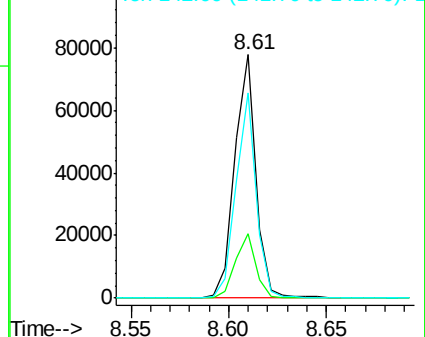
142 84.1 62.0 93.0

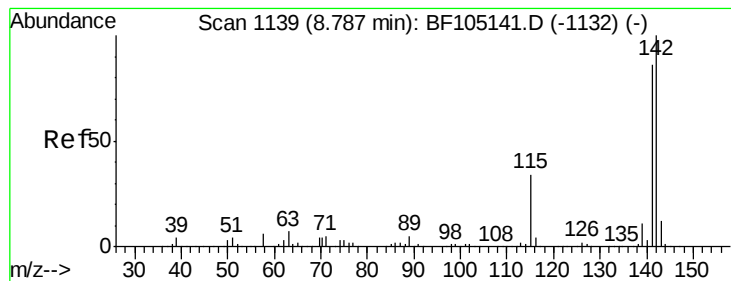


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

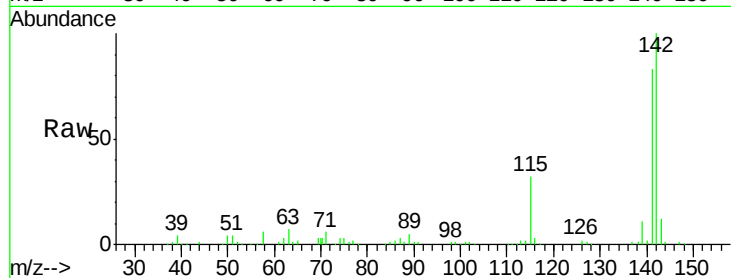




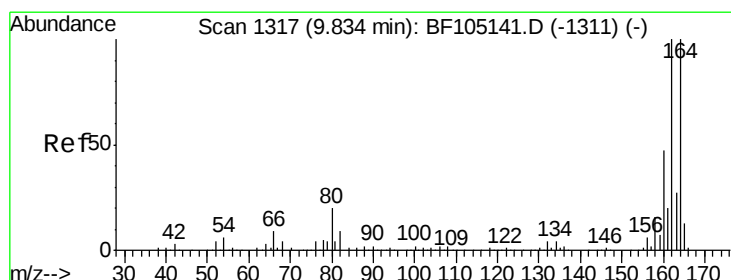
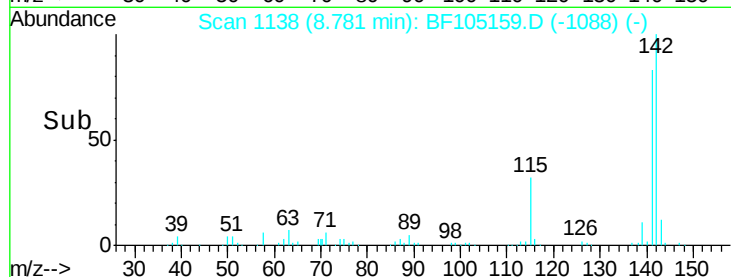
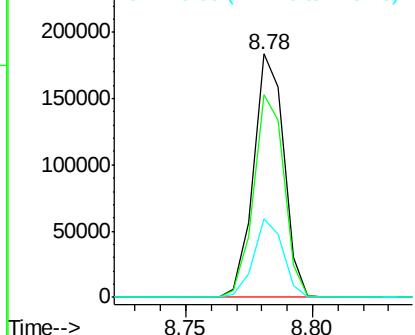
#37
2-Methylnaphthalene
Concen: 5.757 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.4	70.8	106.2
115	32.2	26.1	39.1

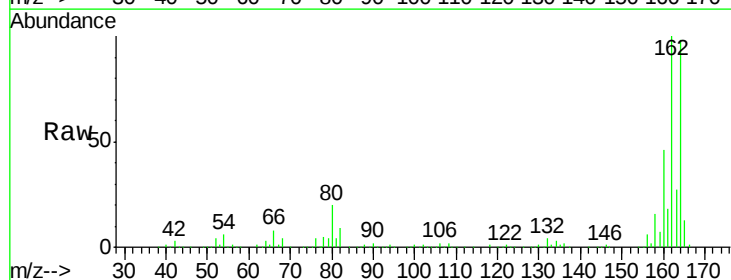


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

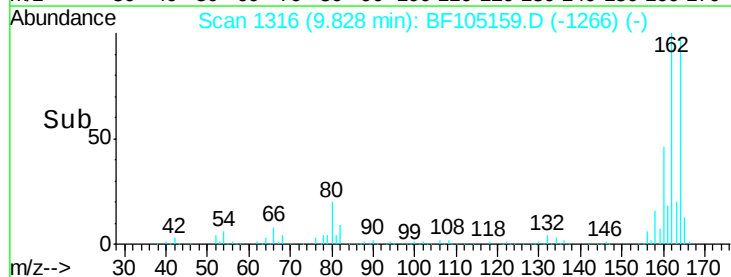
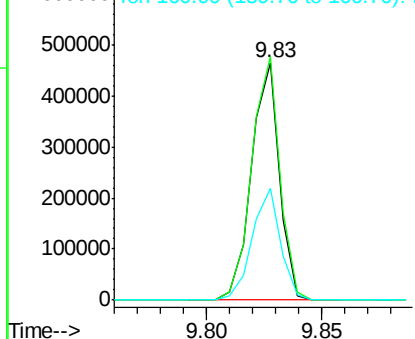


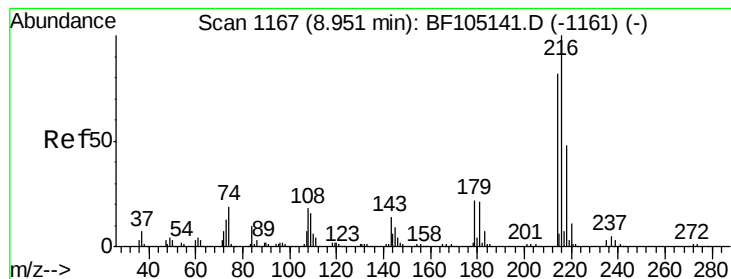
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	47.1	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: 6.087 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:216 Resp: 76120

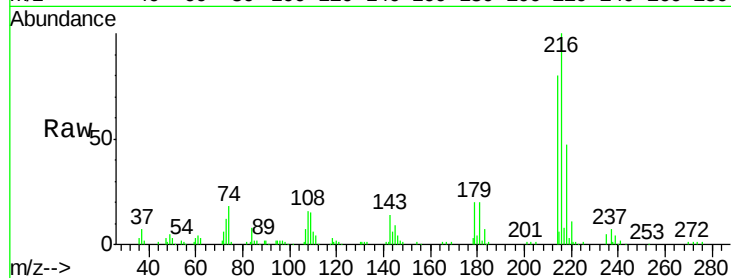
Ion Ratio Lower Upper

216 100

214 79.2 63.0 94.4

179 19.4 18.1 27.1

108 17.7 17.2 25.8

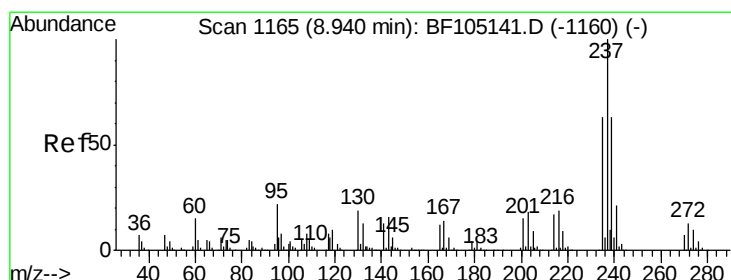
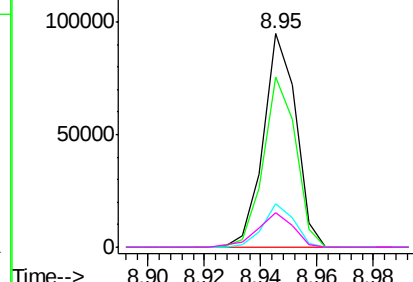
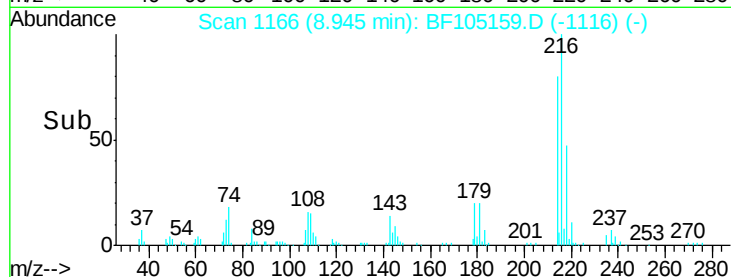


Abundance Ion 216.00 (215.70 to 216.70): E

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: 4.715 ng

RT: 8.93 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

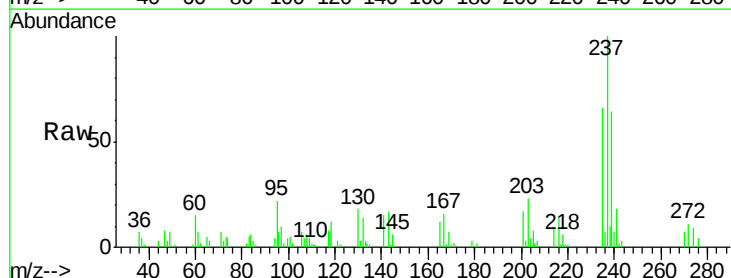
Tgt Ion:237 Resp: 31880

Ion Ratio Lower Upper

237 100

235 65.8 44.8 84.8

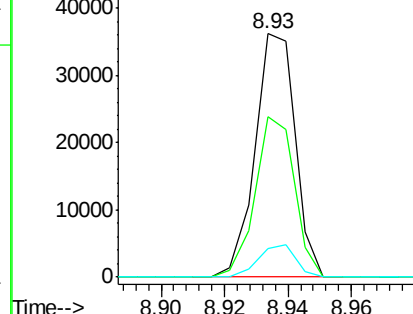
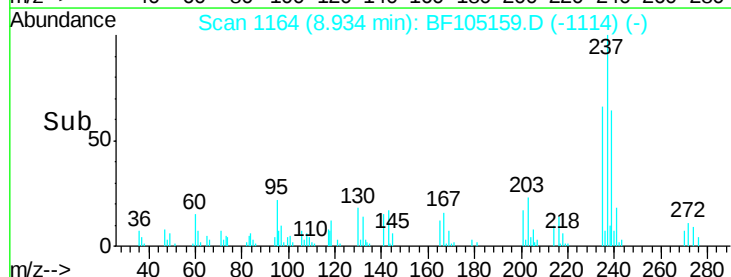
272 11.5 0.0 33.3

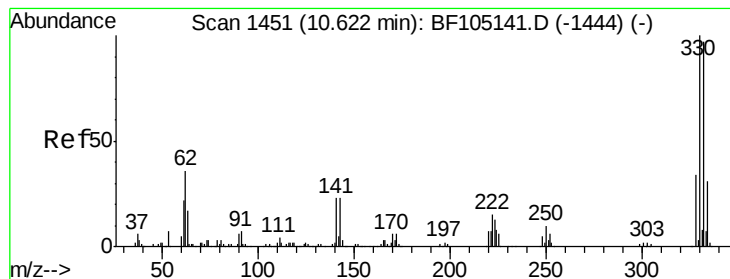


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 139.183 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

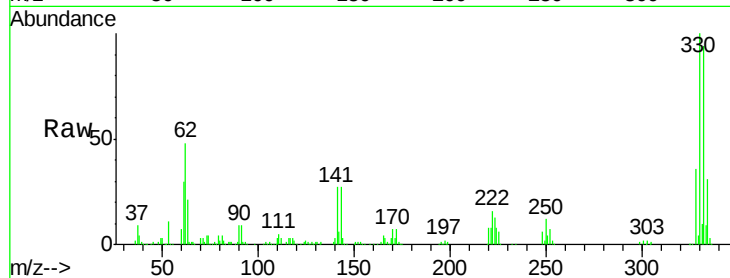
Tot Ion:330 Resp: 603441

Ion Ratio Lower Upper

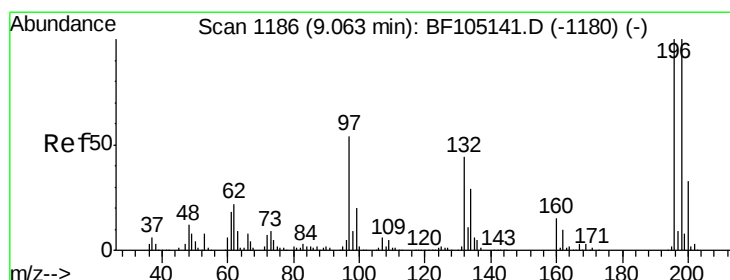
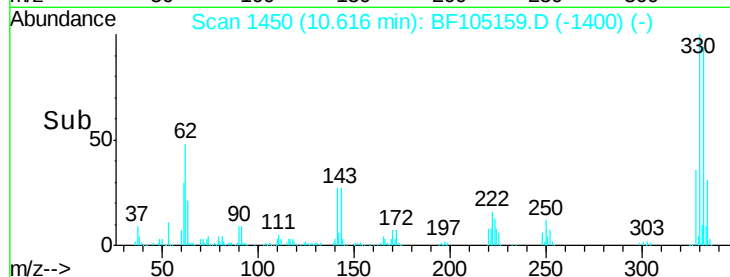
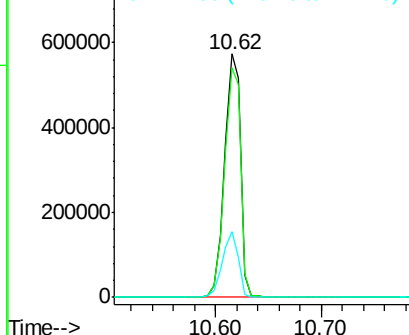
330 100

332 95.7 77.0 115.6

141 27.0 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: 5.370 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

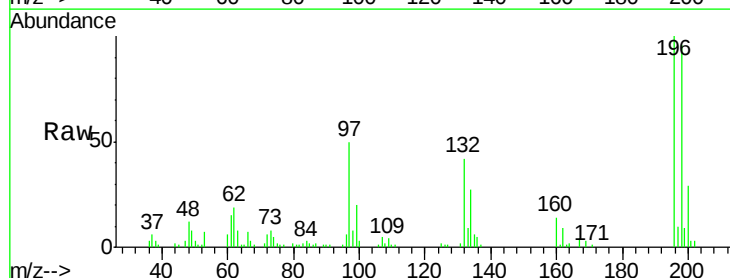
Tgt Ion:196 Resp: 40967

Ion Ratio Lower Upper

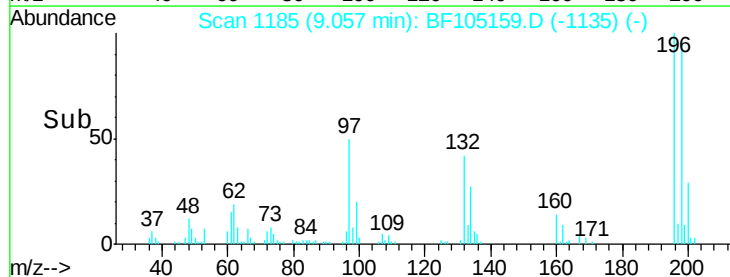
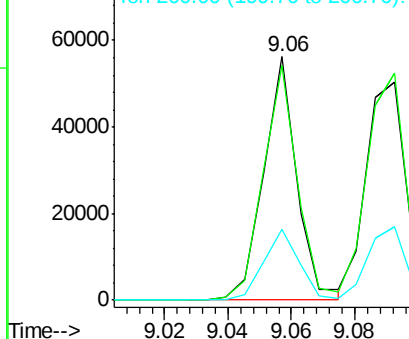
196 100

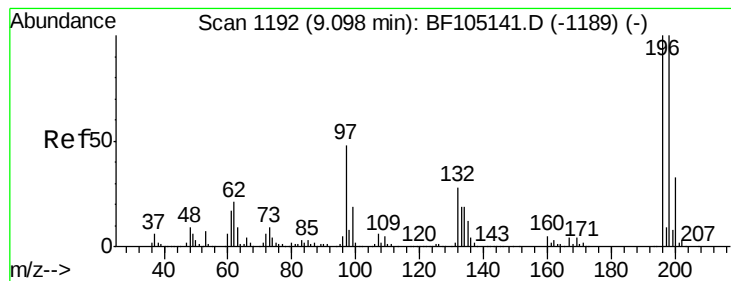
198 96.4 75.7 113.5

200 29.3 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: 5.685 ng

RT: 9.09 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:196 Resp: 45318

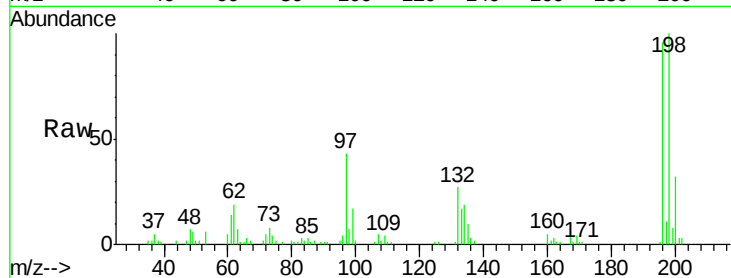
Ion Ratio Lower Upper

196 100

198 104.4 74.6 112.0

97 45.2 42.9 64.3

132 27.8 26.3 39.5

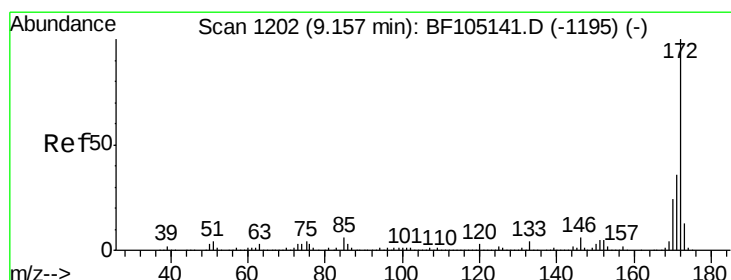
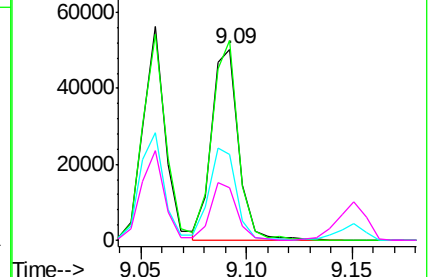
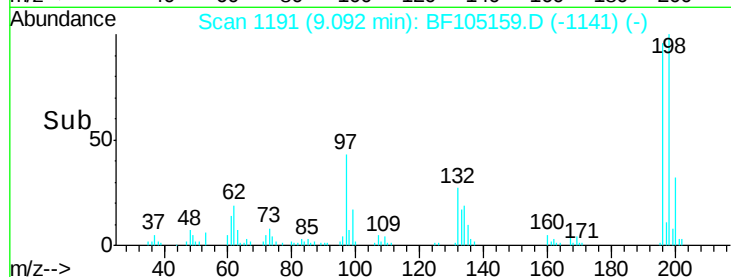


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44

2-Fluorobiphenyl

Concen: 79.721 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

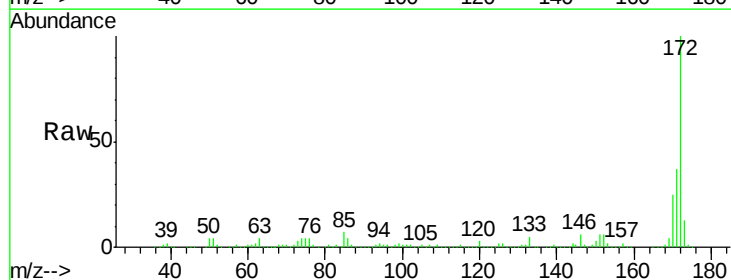
Tgt Ion:172 Resp: 2018461

Ion Ratio Lower Upper

172 100

171 37.0 29.7 44.5

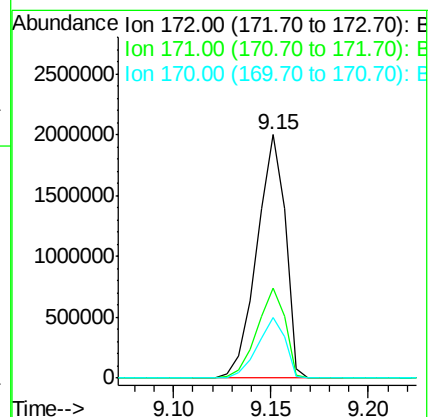
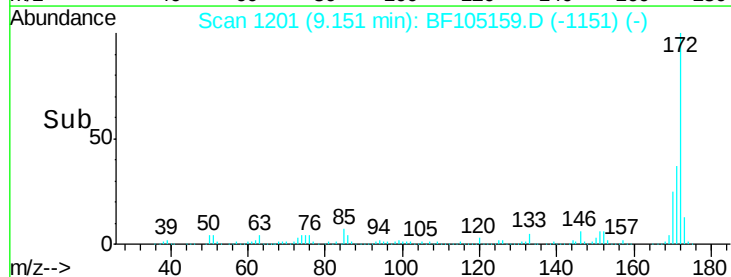
170 24.7 19.6 29.4

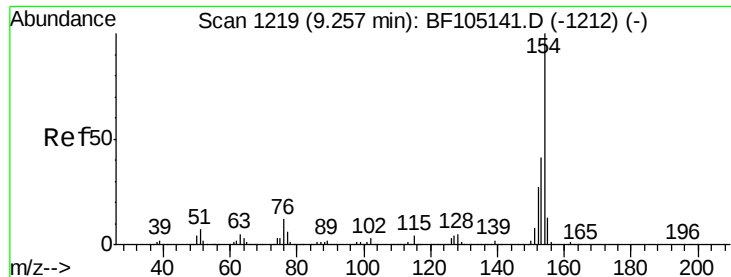


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 6.513 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

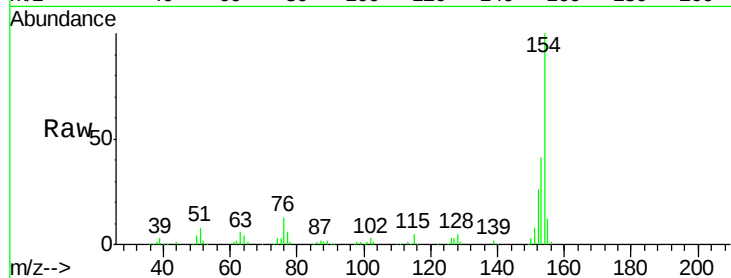
Tot Ion:154 Resp: 208523

Ion Ratio Lower Upper

154 100

153 41.1 21.3 61.3

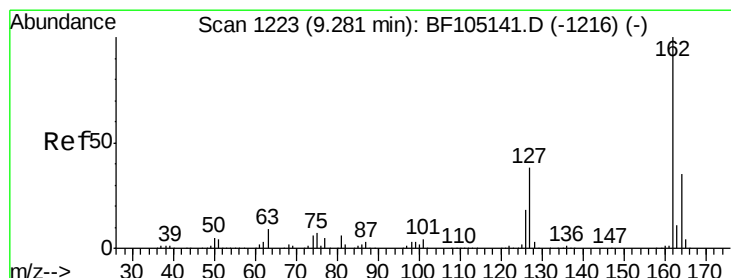
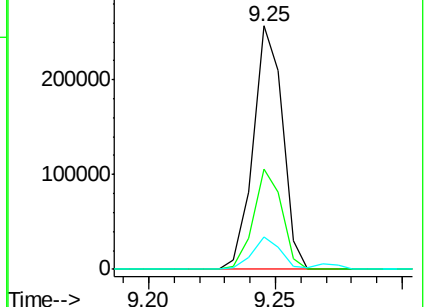
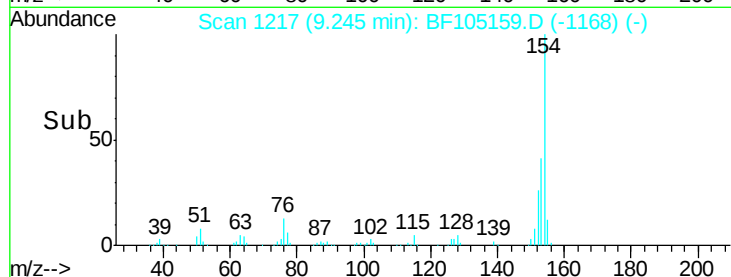
76 13.4 0.0 34.0



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: 6.123 ng

RT: 9.27 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

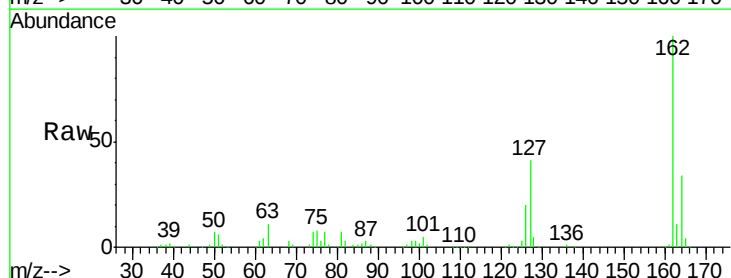
Tgt Ion:162 Resp: 146525

Ion Ratio Lower Upper

162 100

127 40.6 33.9 50.9

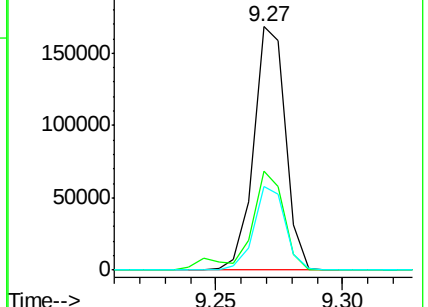
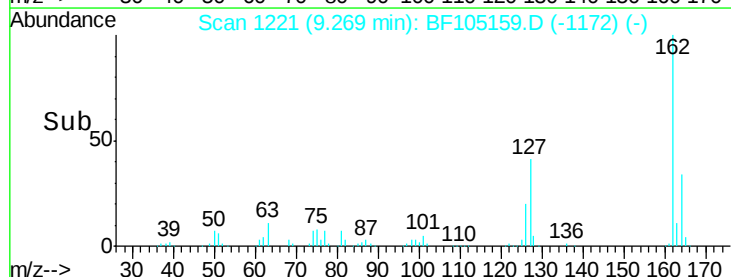
164 34.1 26.5 39.7

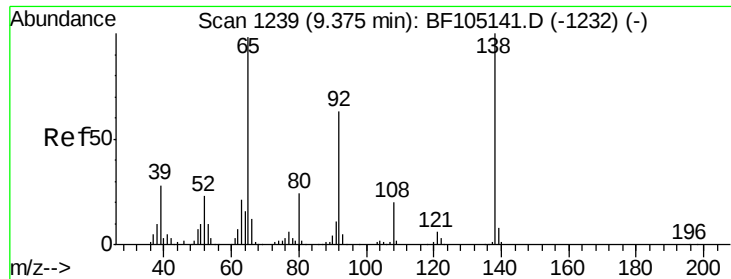


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

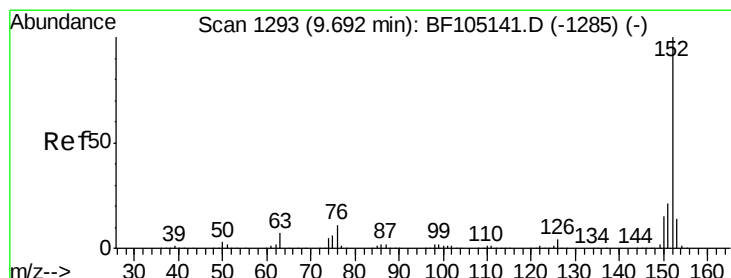
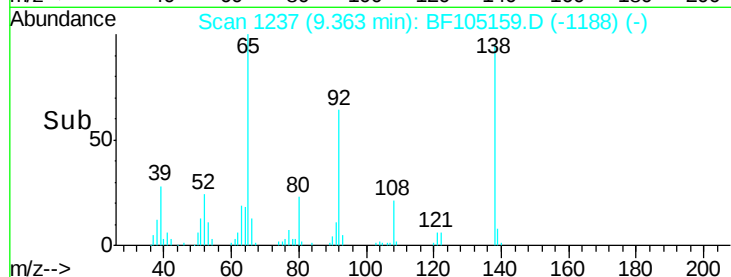
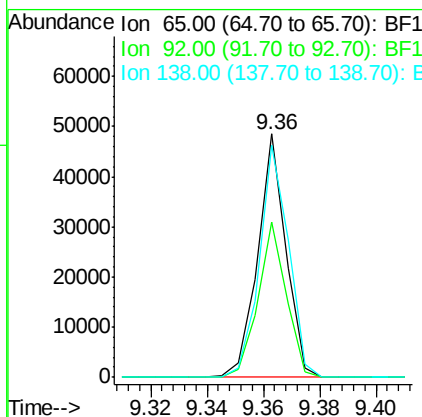
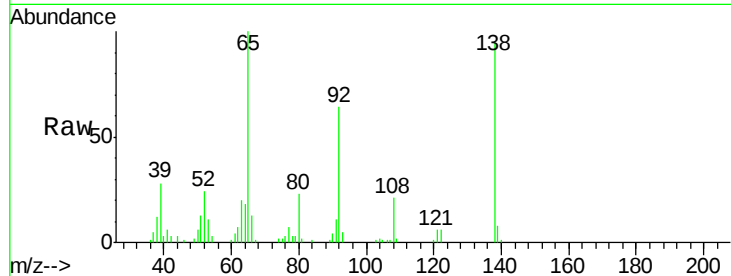




#47
2-Nitroaniline
Concen: 10.072 ng
RT: 9.36 min Scan# 1237
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

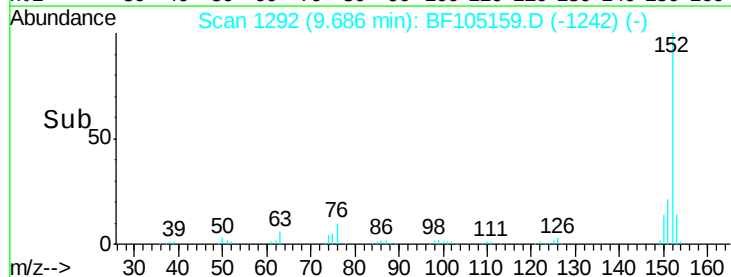
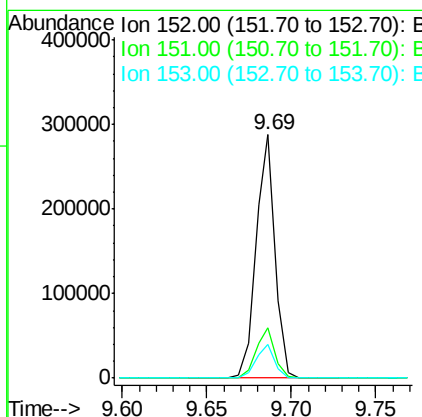
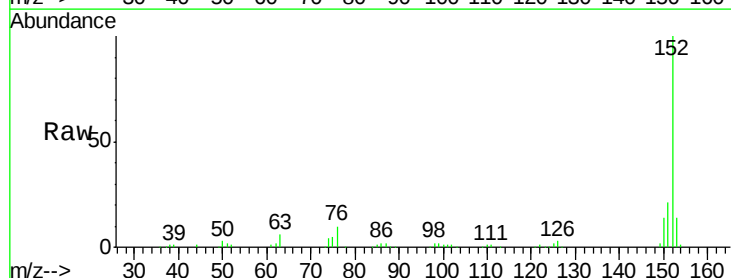
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

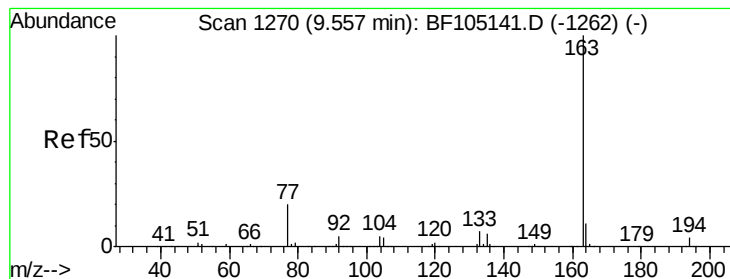
Tot Ion: 65 Resp: 33496
Ion Ratio Lower Upper
65 100
92 63.7 55.8 83.6
138 95.3 91.2 136.8



#48
Acenaphthylene
Concen: 6.109 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion: 152 Resp: 225770
Ion Ratio Lower Upper
152 100
151 20.7 16.3 24.5
153 13.8 10.7 16.1





#49

Dimethylphthalate

Concen: 6.192 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

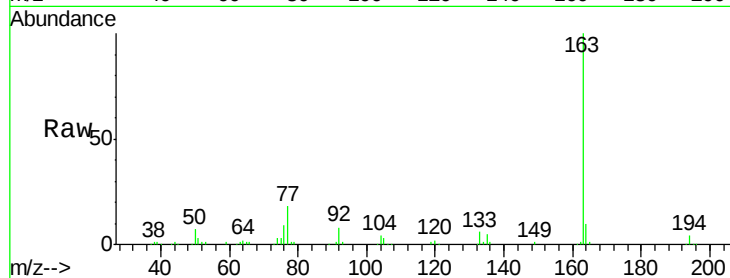
Tot Ion:163 Resp: 164724

Ion Ratio Lower Upper

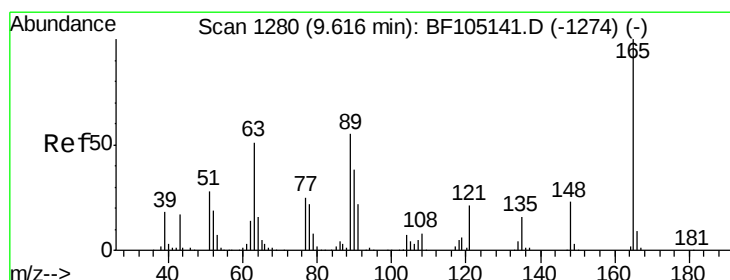
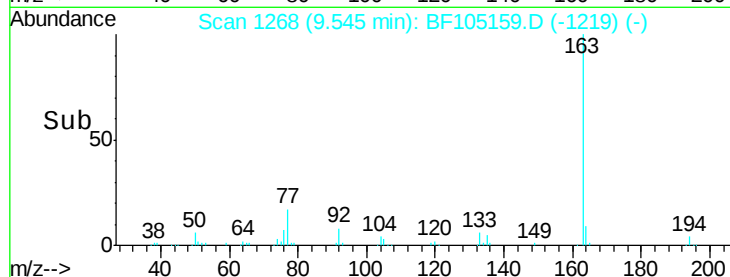
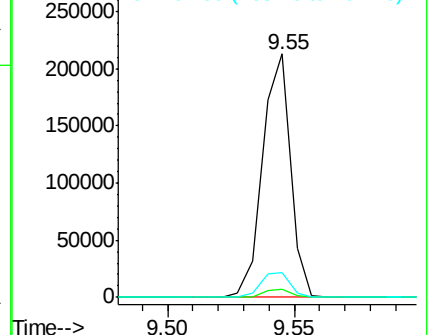
163 100

194 3.5 2.7 4.1

164 10.2 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: 5.667 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

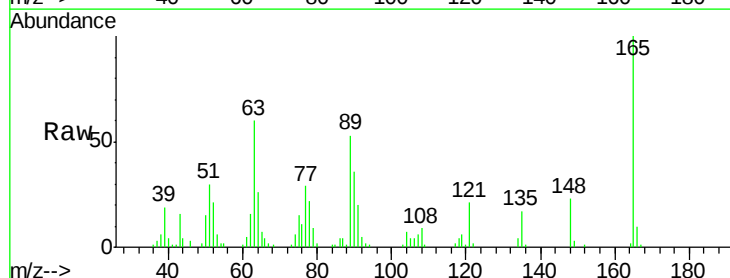
Tgt Ion:165 Resp: 32715

Ion Ratio Lower Upper

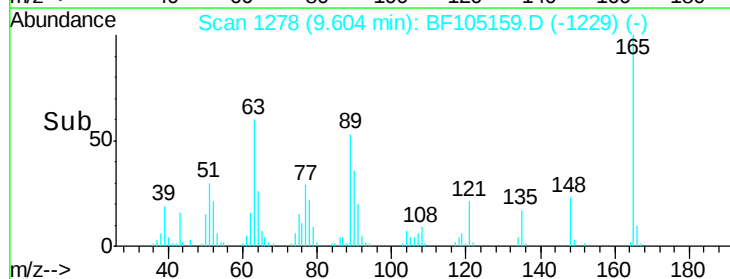
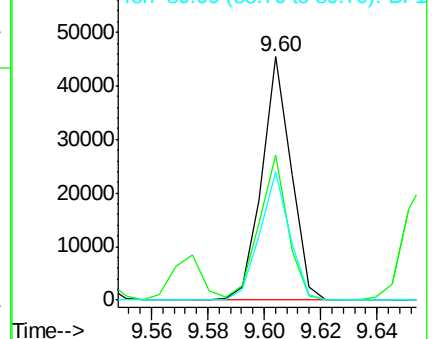
165 100

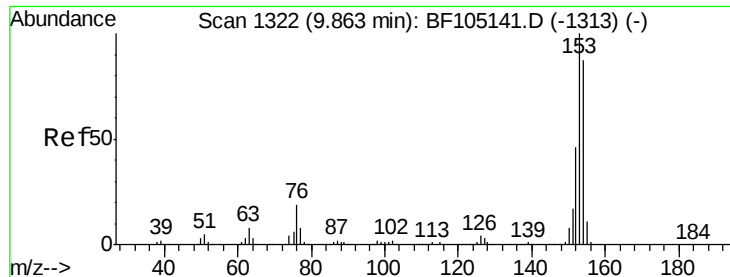
63 59.7 44.7 67.1

89 52.9 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: 6.090 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

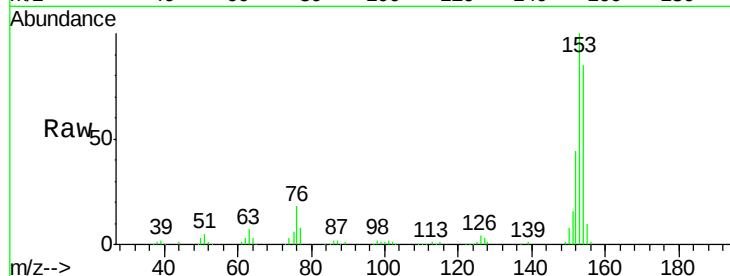
Tot Ion:154 Resp: 145068

Ion Ratio Lower Upper

154 100

153 117.1 91.2 136.8

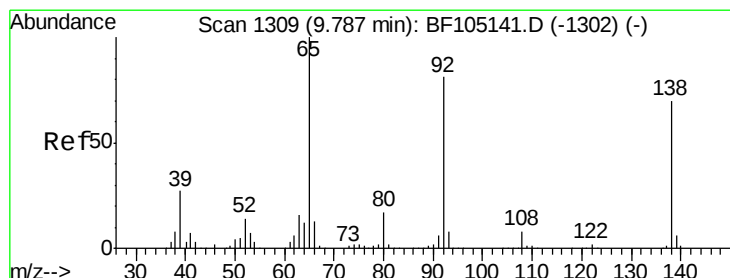
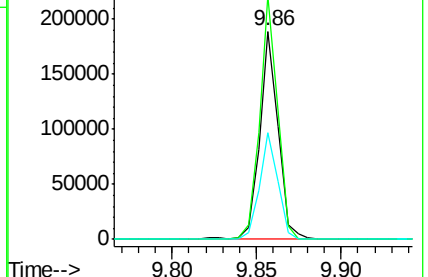
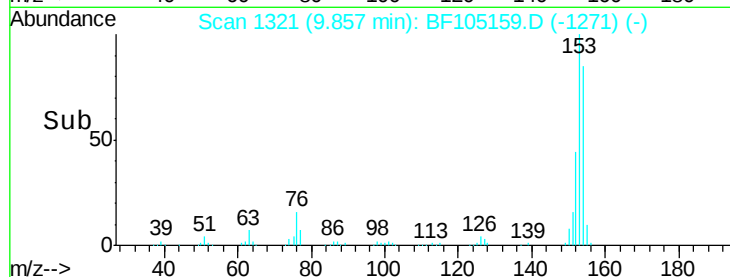
152 51.4 43.8 65.8



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: 5.548 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

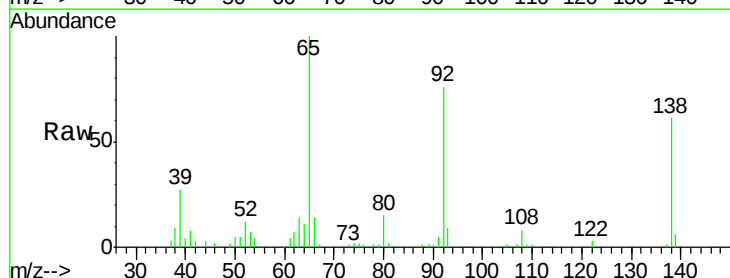
Tgt Ion:138 Resp: 33735

Ion Ratio Lower Upper

138 100

108 12.4 9.4 14.0

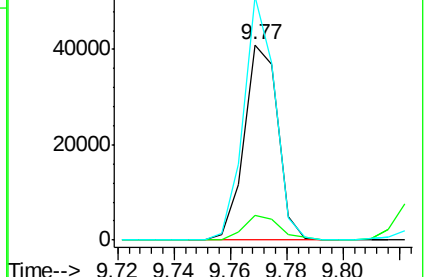
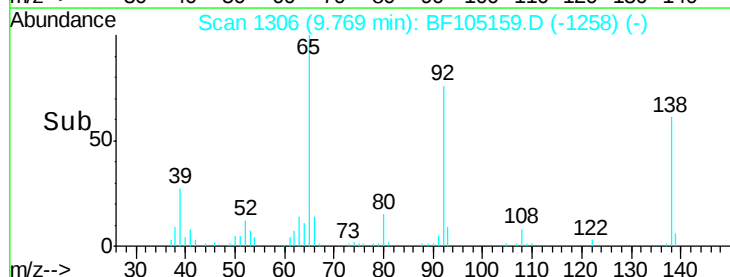
92 124.8 89.4 134.2

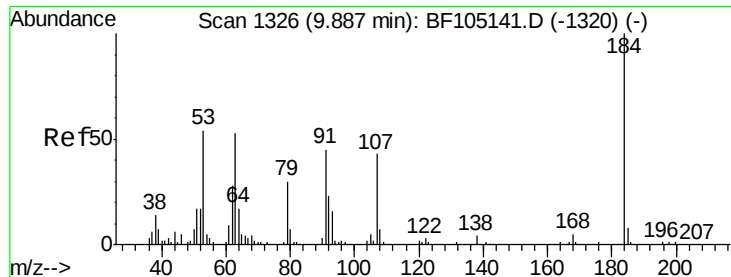


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

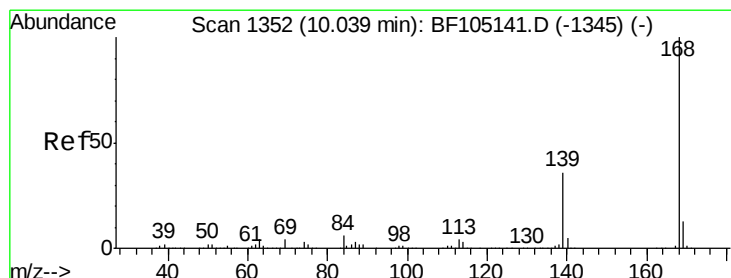
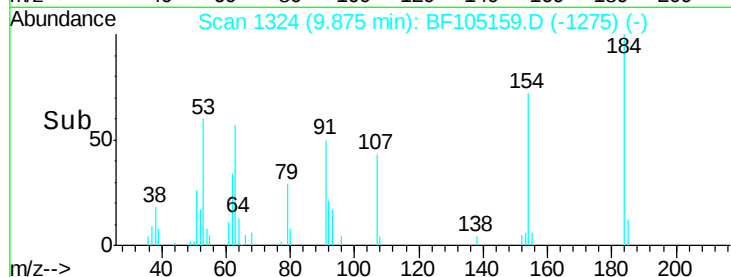
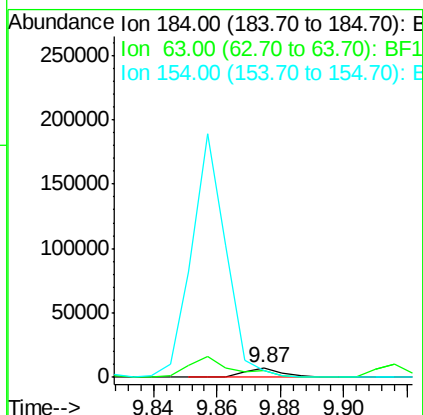
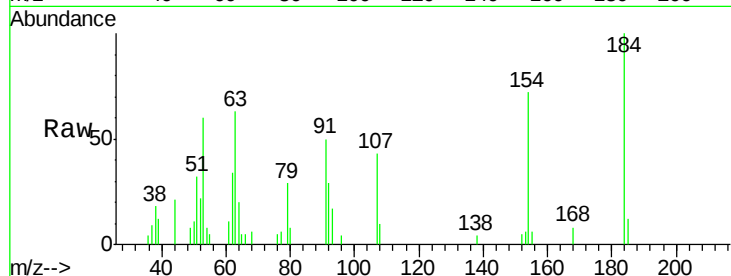




#53
2,4-Dinitrophenol
Concen: 13.068 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

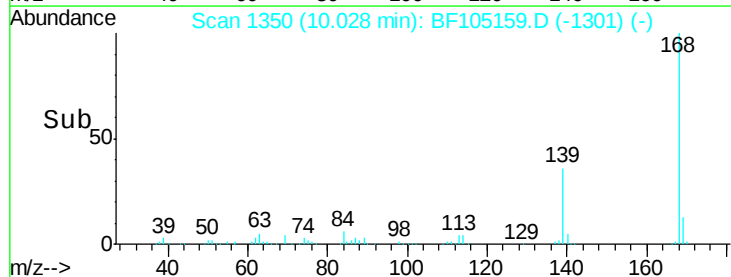
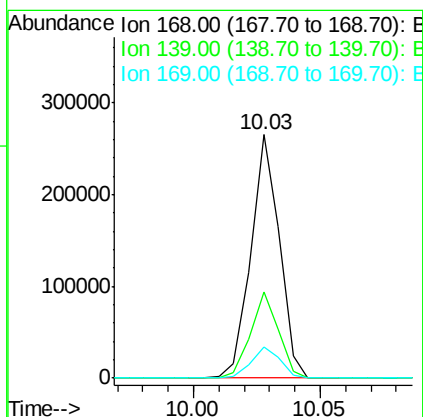
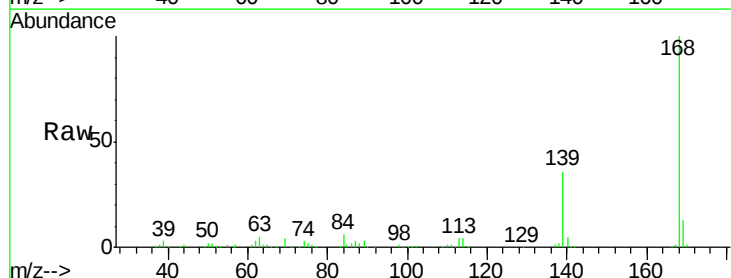
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

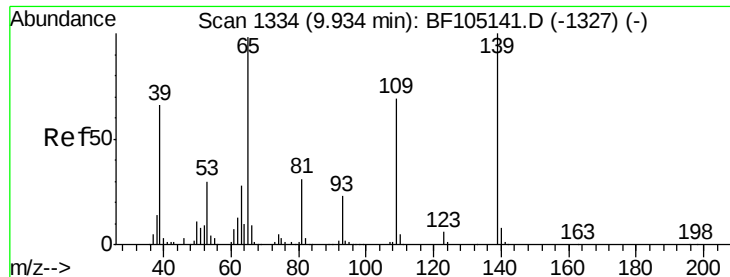
Tot Ion:184 Resp: 5778
Ion Ratio Lower Upper
184 100
63 62.9 54.2 81.2
154 72.5 184.0 276.0#



#54
Dibenzofuran
Concen: 5.949 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion:168 Resp: 207288
Ion Ratio Lower Upper
168 100
139 35.6 30.1 45.1
169 12.8 10.9 16.3

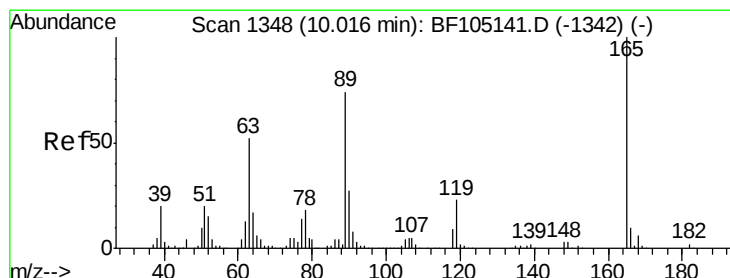
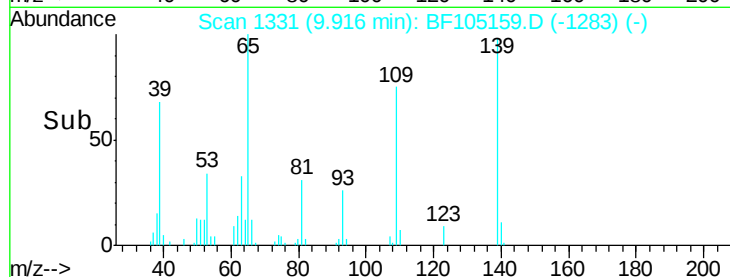
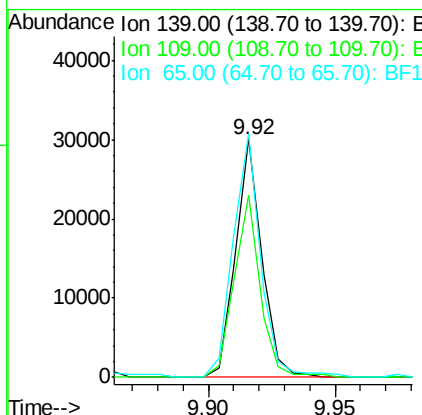
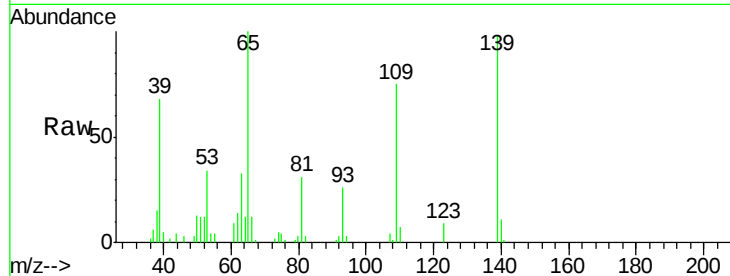




#55
4-Nitrophenol
Concen: 8.009 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

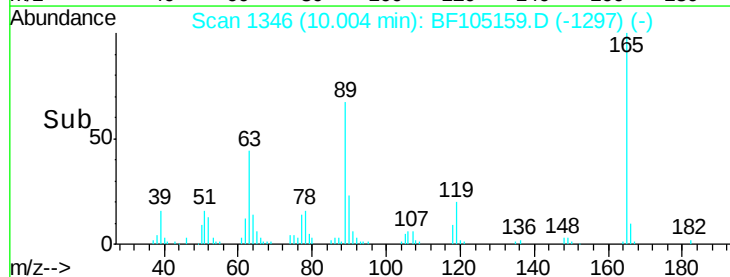
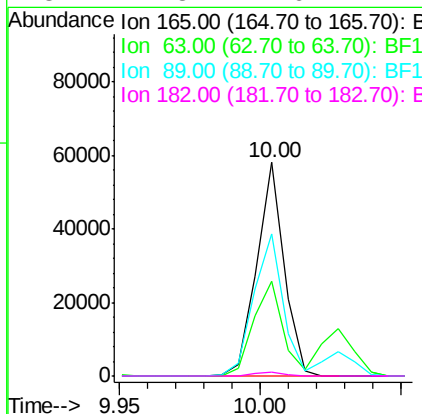
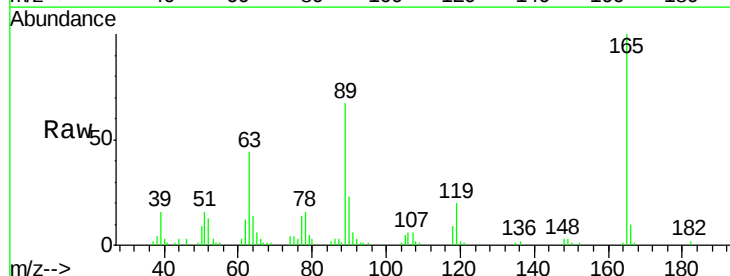
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

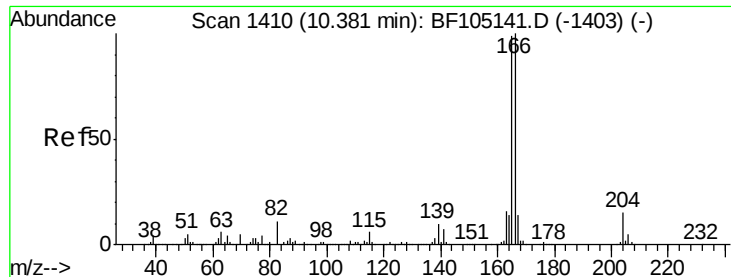
Tot Ion:139 Resp: 21445
Ion Ratio Lower Upper
139 100
109 76.2 48.4 88.4
65 102.1 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 8.336 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion:165 Resp: 39232
Ion Ratio Lower Upper
165 100
63 44.2 36.4 54.6
89 66.8 57.8 86.6
182 1.8 1.6 2.4





#57

Fluorene

Concen: 6.397 ng

RT: 10.37 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

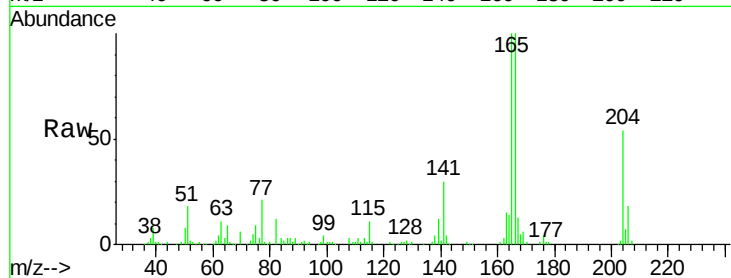
Tot Ion:166 Resp: 163457

Ion Ratio Lower Upper

166 100

165 100.4 79.8 119.8

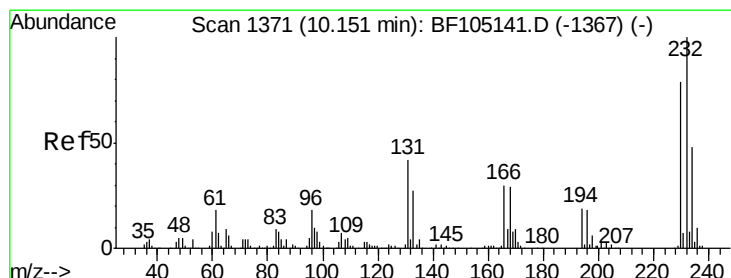
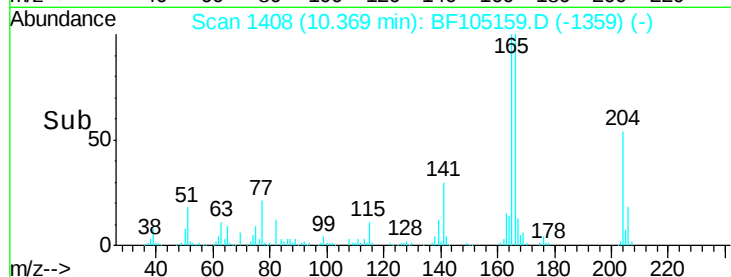
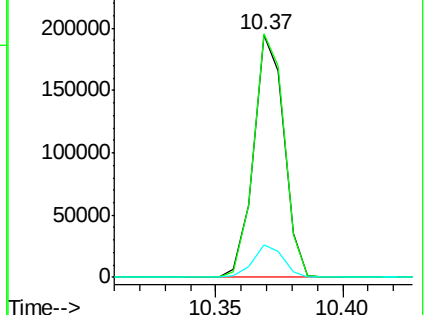
167 13.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 5.060 ng

RT: 10.15 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Tgt Ion:232 Resp: 36010

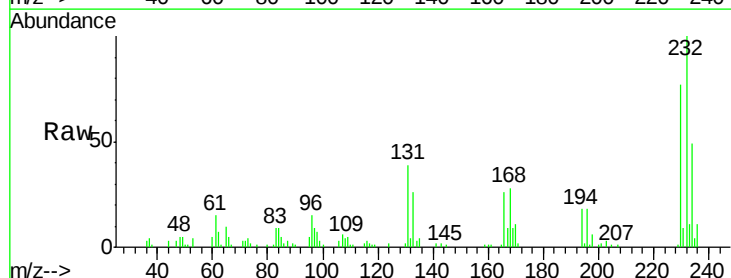
Ion Ratio Lower Upper

232 100

131 43.8 43.8 65.8#

130 1.8 2.1 3.1#

166 30.7 27.8 41.6

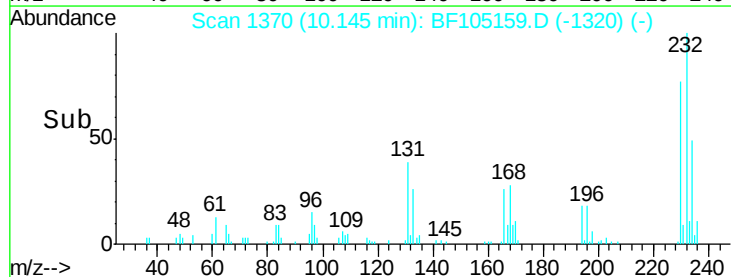
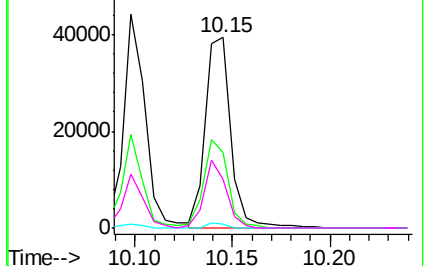


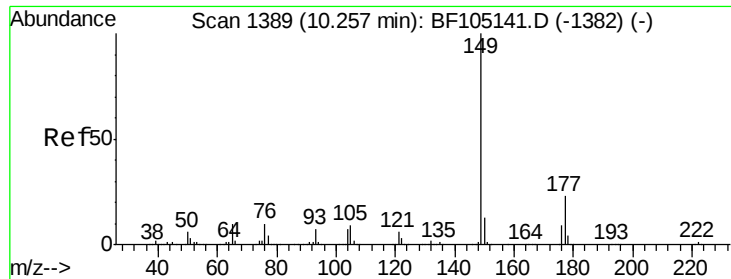
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

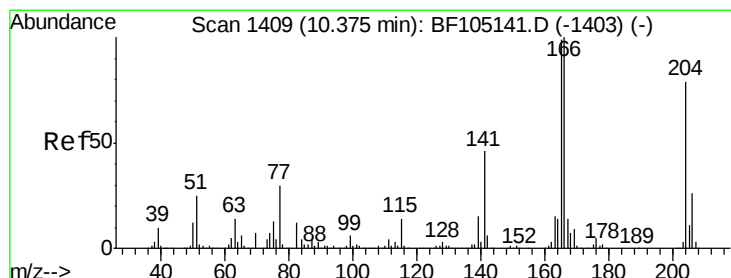
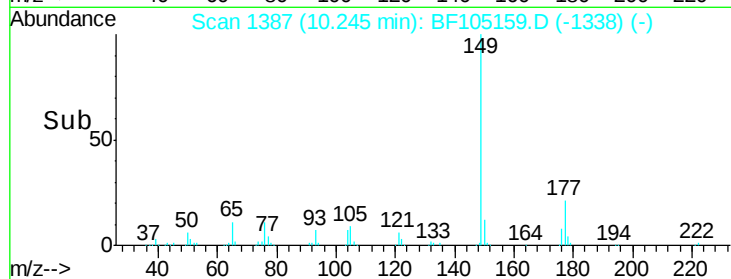
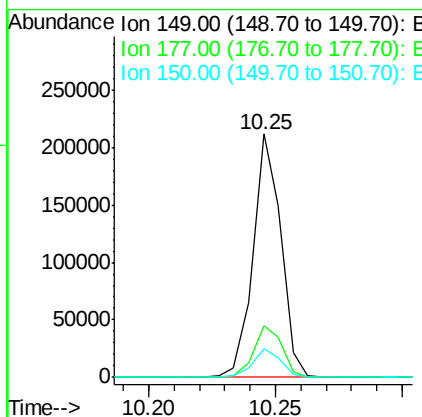
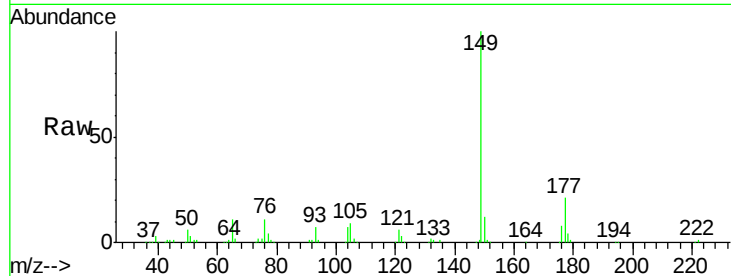




#59
Diethylphthalate
Concen: 6.188 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

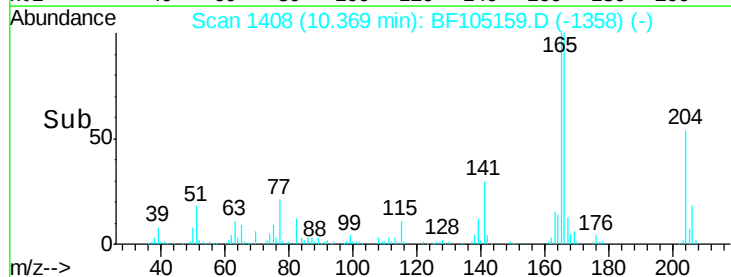
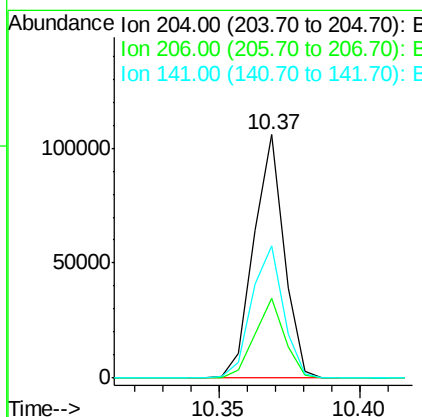
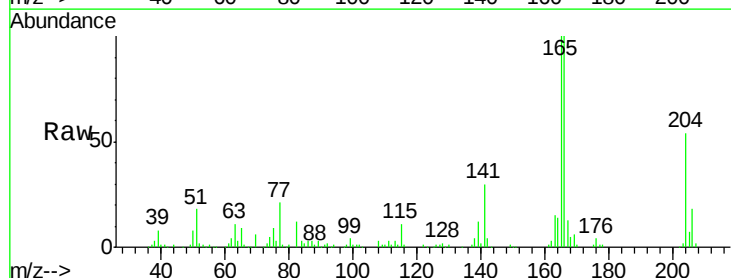
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

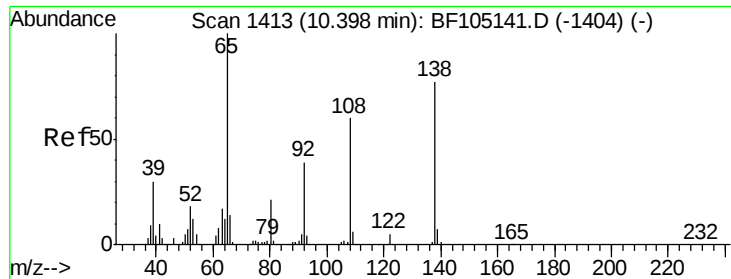
Tot Ion:149 Resp: 161781
Ion Ratio Lower Upper
149 100
177 21.1 16.1 24.1
150 11.7 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 6.645 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion:204 Resp: 79045
Ion Ratio Lower Upper
204 100
206 32.6 26.5 39.7
141 54.5 54.6 81.8#

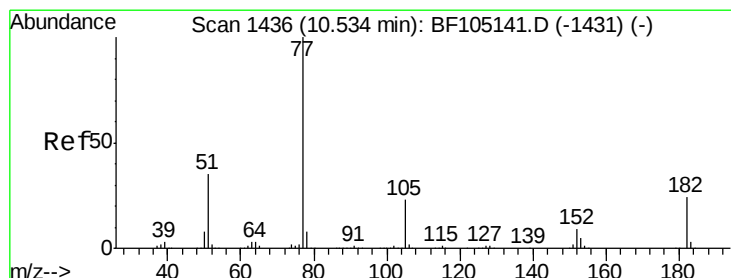
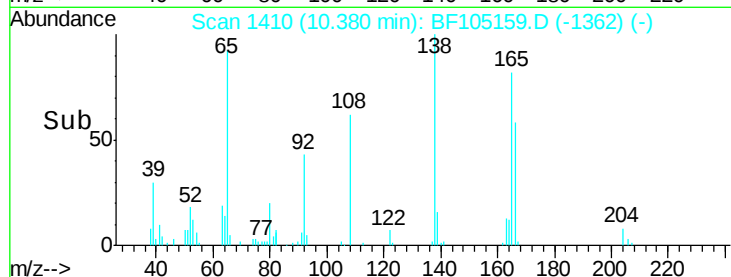
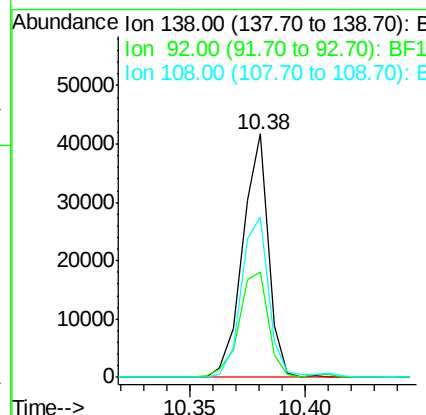
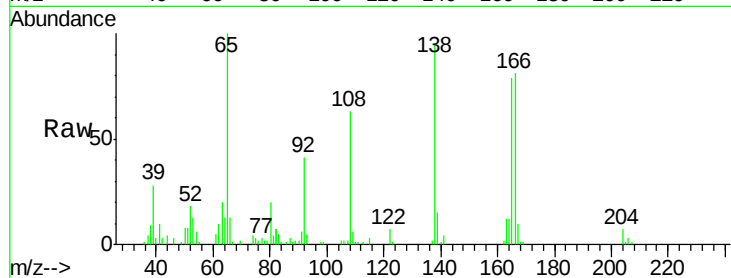




#61
4-Nitroaniline
Concen: 5.365 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.02 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

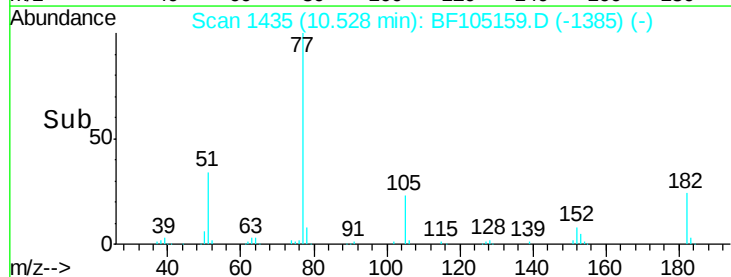
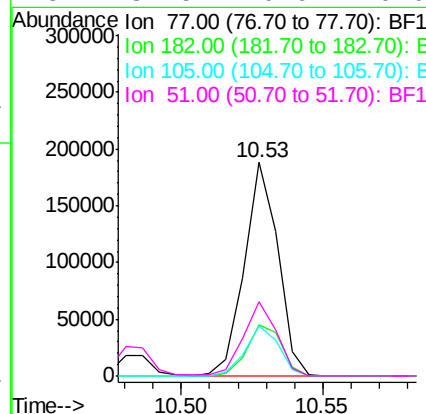
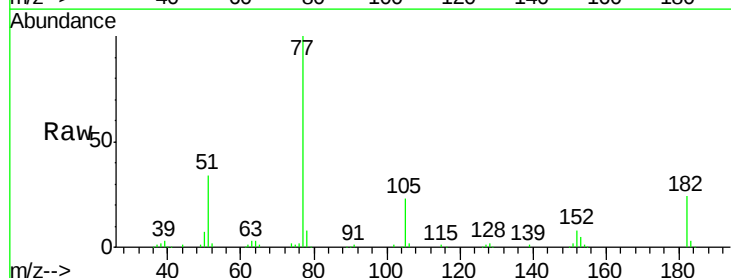
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

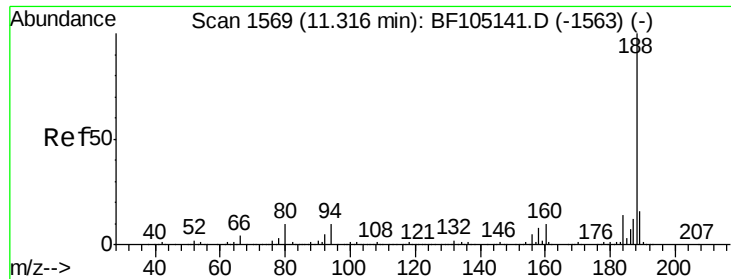
Tot Ion:138 Resp: 32460
Ion Ratio Lower Upper
138 100
92 43.3 30.2 70.2
108 65.8 52.5 92.5



#62
Azobenzene
Concen: 5.701 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion: 77 Resp: 155490
Ion Ratio Lower Upper
77 100
182 23.9 1.7 41.7
105 23.4 3.0 43.0
51 34.5 9.9 49.9

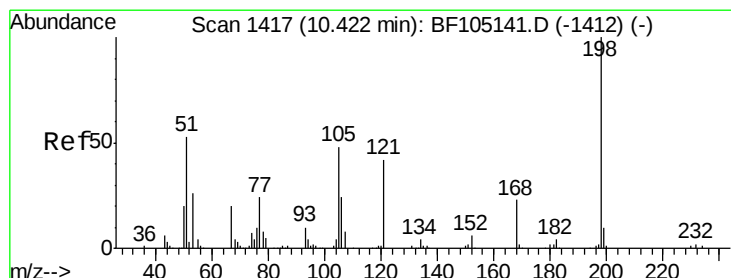
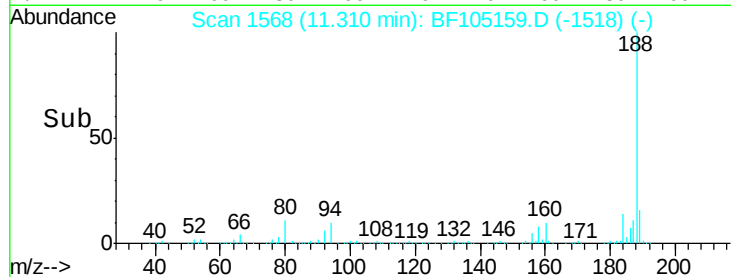
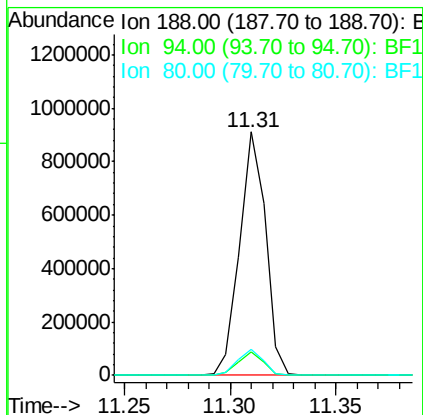
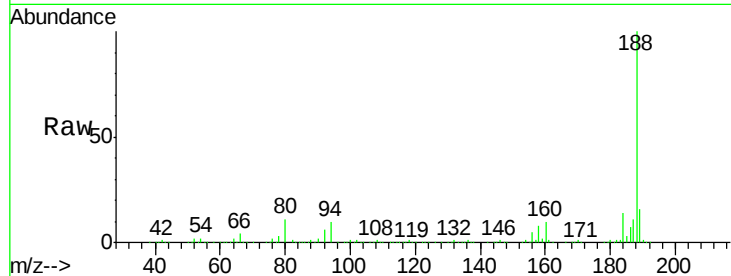




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

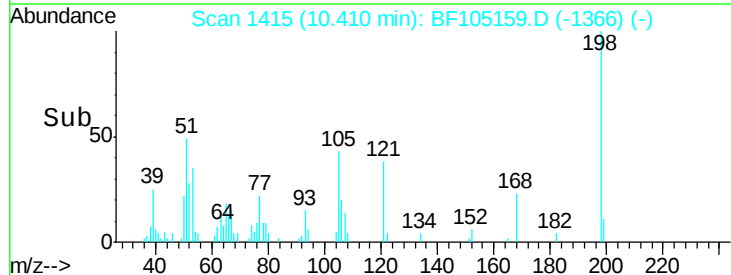
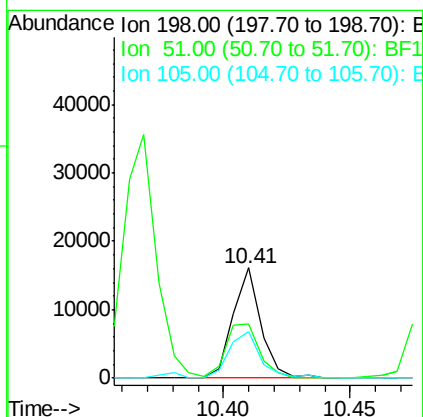
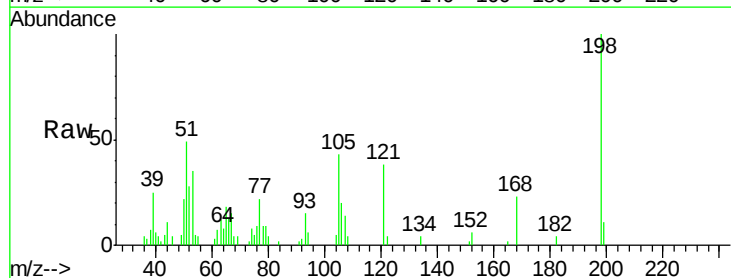
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

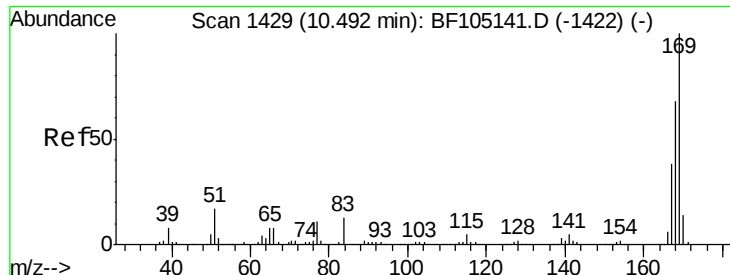
Tot Ion:188 Resp: 774420
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 13.099 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion:198 Resp: 12308
Ion Ratio Lower Upper
198 100
51 48.7 37.7 77.7
105 42.7 36.3 76.3

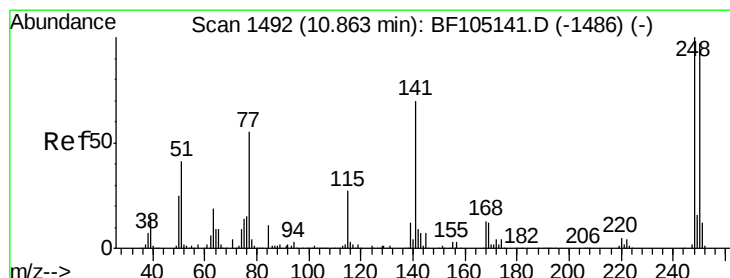
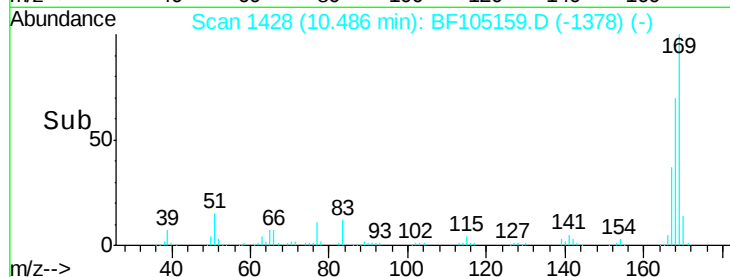
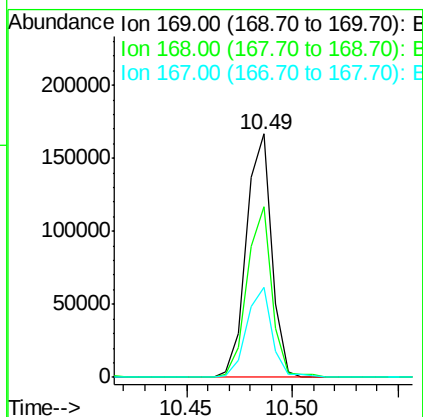
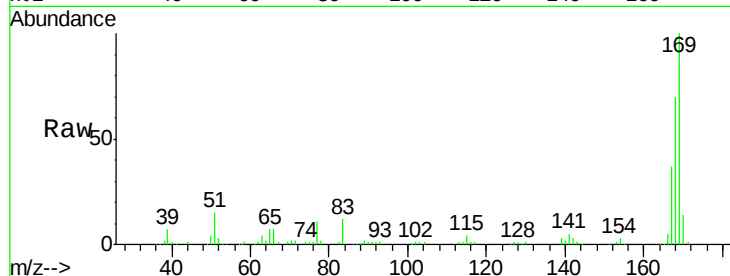




#65
 n-Nitrosodiphenylamine
 Concen: 5.751 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

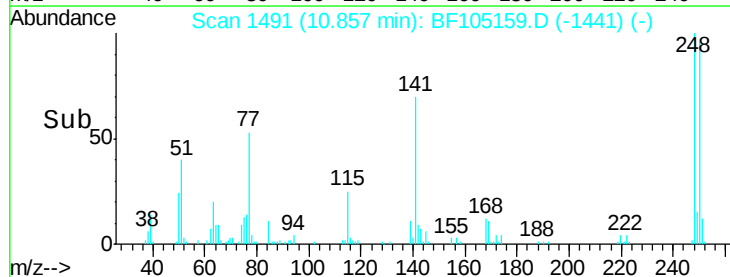
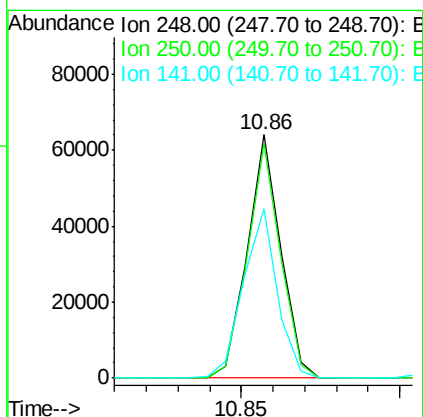
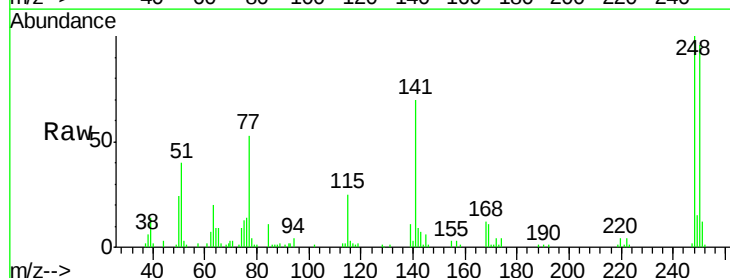
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

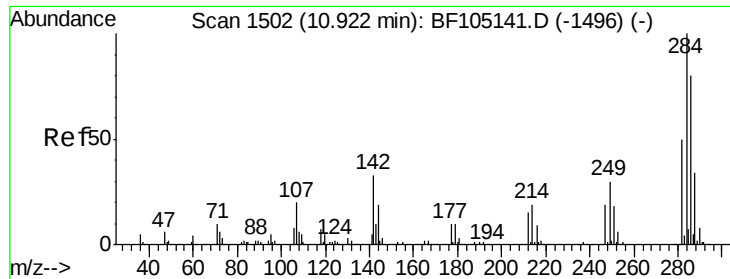
Tot Ion:169 Resp: 138822
 Ion Ratio Lower Upper
 169 100
 168 70.2 54.4 81.6
 167 36.8 29.8 44.6



#66
 4-Bromophenyl-phenylether
 Concen: 5.664 ng
 RT: 10.86 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

Tgt Ion:248 Resp: 46777
 Ion Ratio Lower Upper
 248 100
 250 96.1 76.9 115.3
 141 69.7 74.4 111.6#

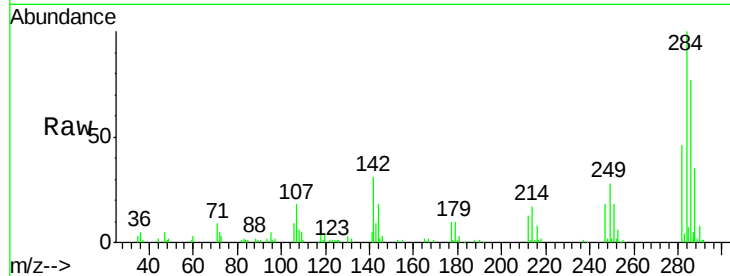




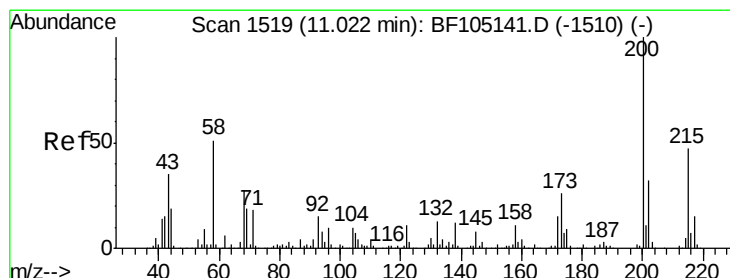
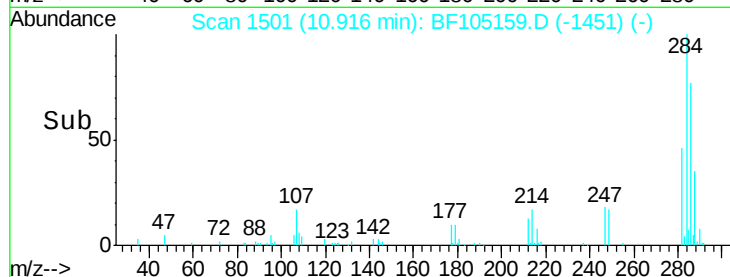
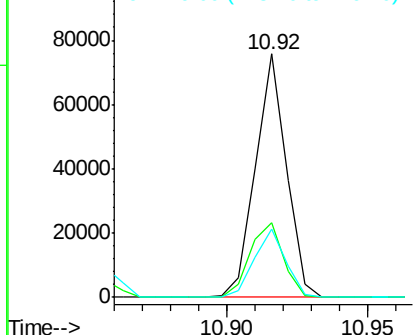
#67
Hexachlorobenzene
Concen: 6.037 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion:284 Resp: 57453
Ion Ratio Lower Upper
284 100
142 30.6 34.6 52.0#
249 28.3 24.8 37.2

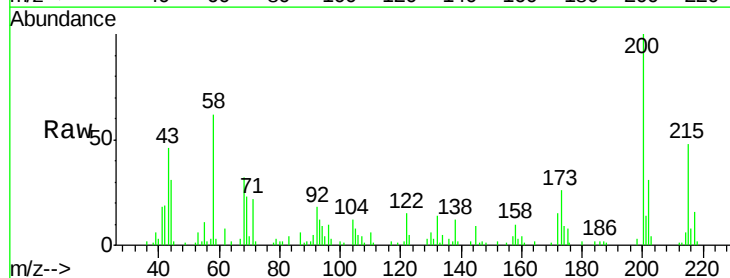


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

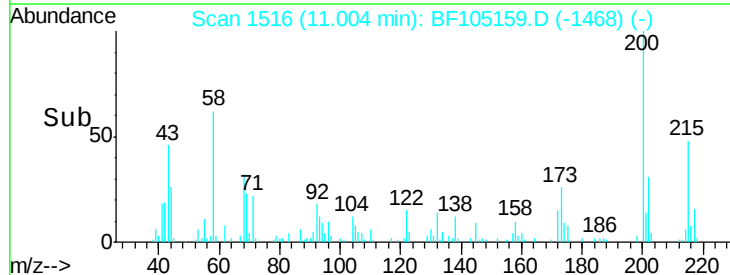
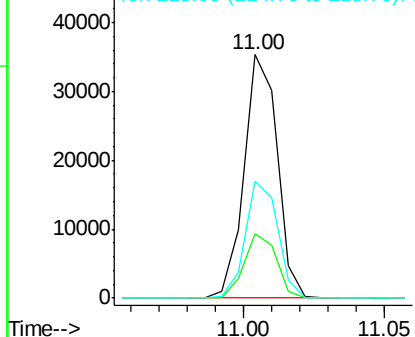


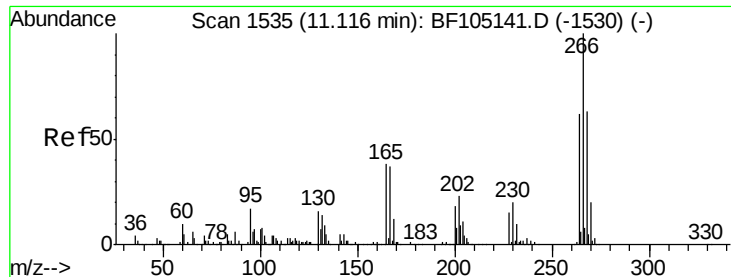
#68
Atrazine
Concen: 3.791 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.02 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion:200 Resp: 28686
Ion Ratio Lower Upper
200 100
173 26.3 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

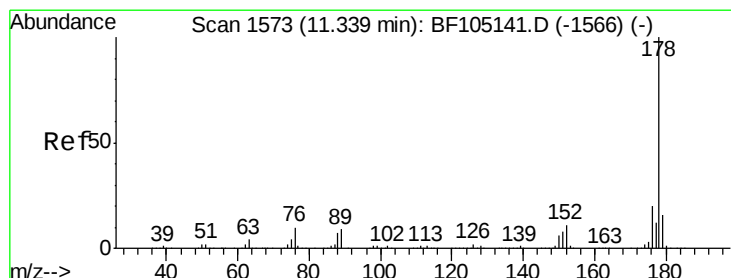
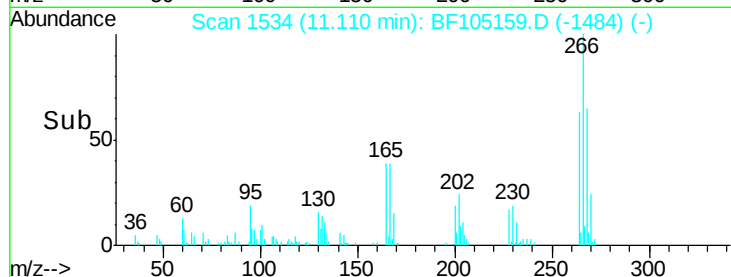
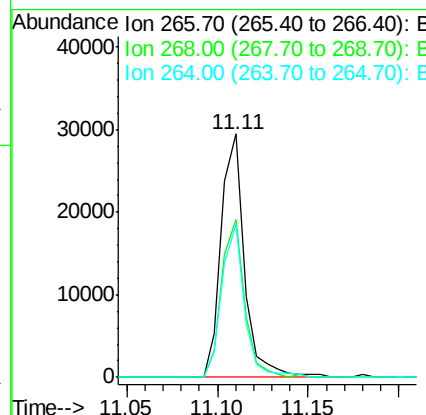
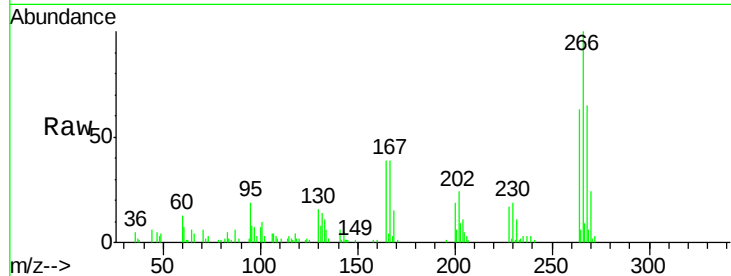




#69
 Pentachlorophenol
 Concen: 7.750 ng
 RT: 11.11 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

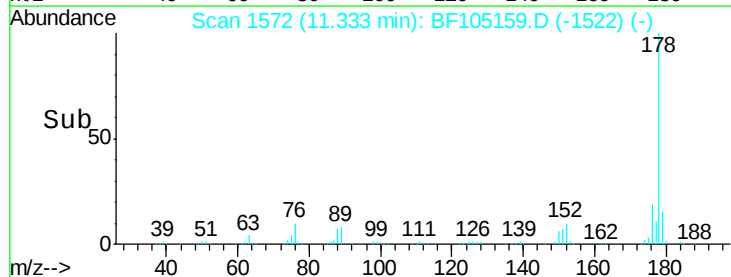
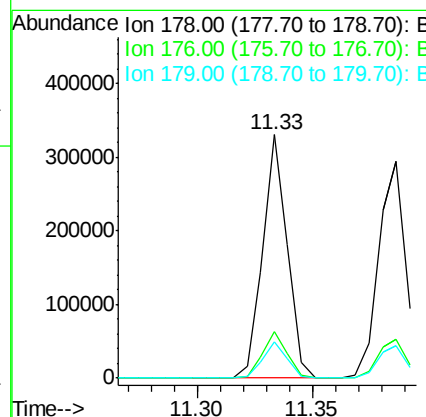
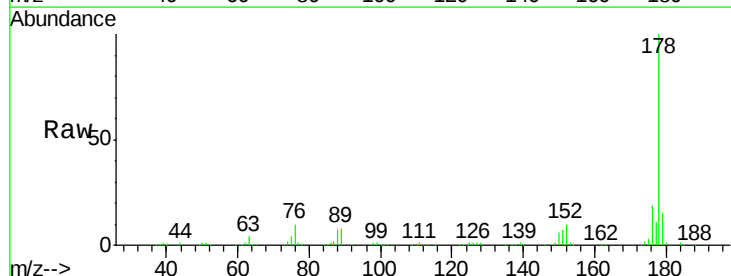
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

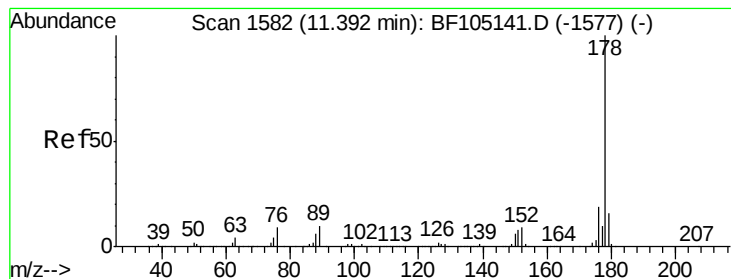
Tot Ion:266 Resp: 26482
 Ion Ratio Lower Upper
 266 100
 268 64.8 51.1 76.7
 264 62.8 49.5 74.3



#70
 Phenanthrene
 Concen: 6.009 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

Tgt Ion:178 Resp: 245337
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 14.7 13.0 19.6





#71

Anthracene

Concen: 5.805 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

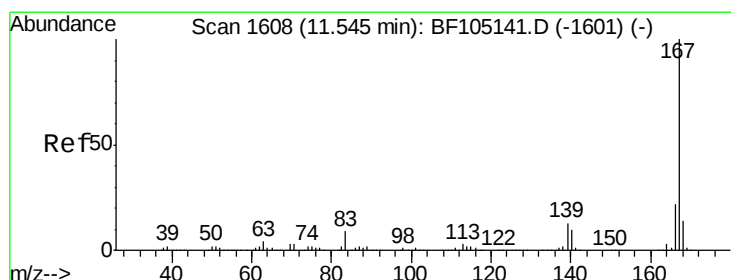
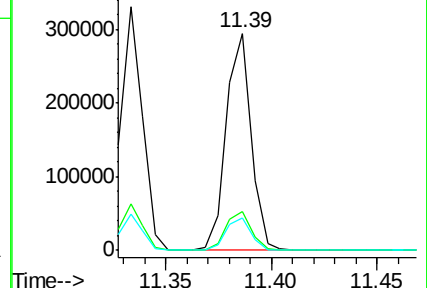
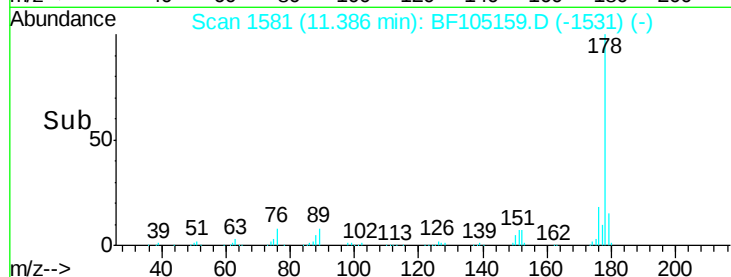
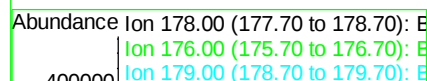
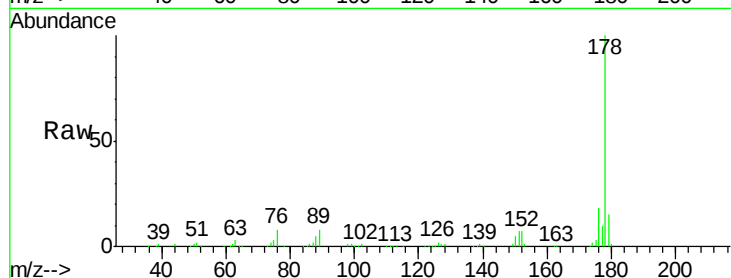
Tot Ion:178 Resp: 240828

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

179 15.1 12.6 19.0



#72

Carbazole

Concen: 5.938 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

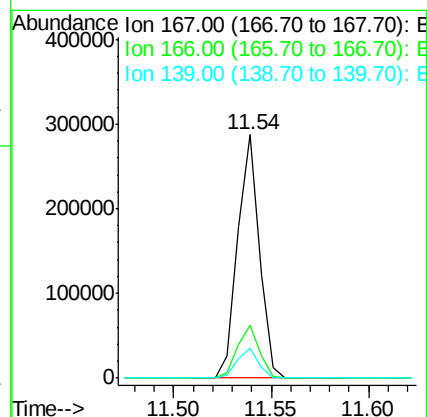
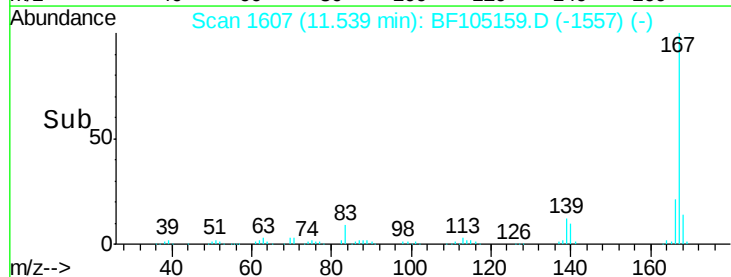
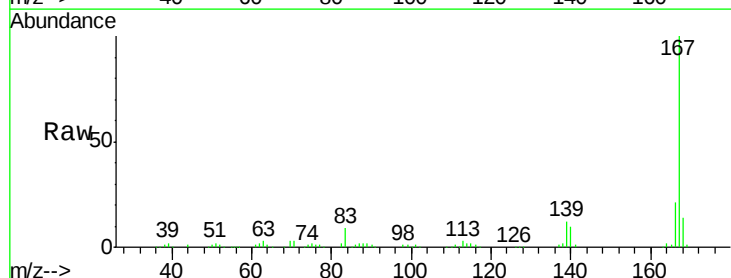
Tgt Ion:167 Resp: 221966

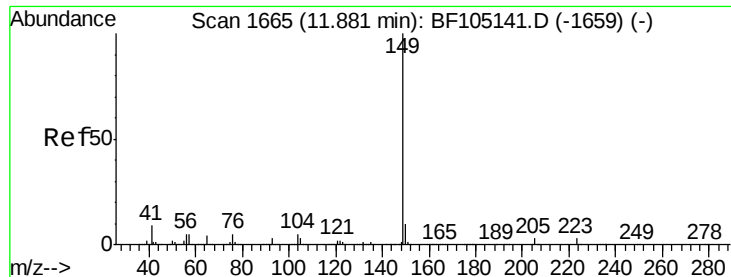
Ion Ratio Lower Upper

167 100

166 21.5 17.6 26.4

139 12.5 10.9 16.3





#73

Di-n-butylphthalate

Concen: 5.744 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

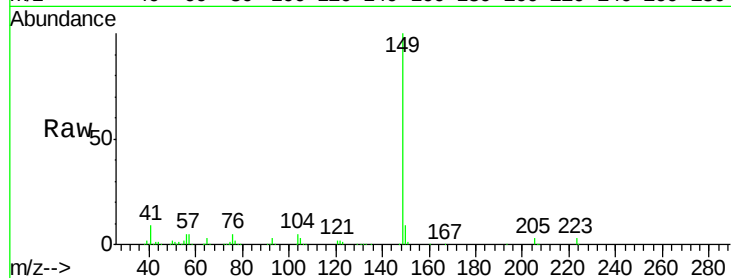
Tot Ion:149 Resp: 229645

Ion Ratio Lower Upper

149 100

150 9.0 7.8 11.6

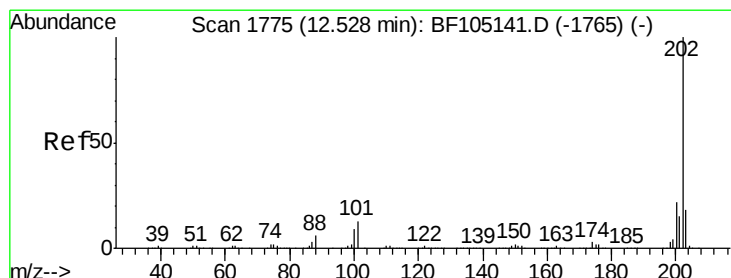
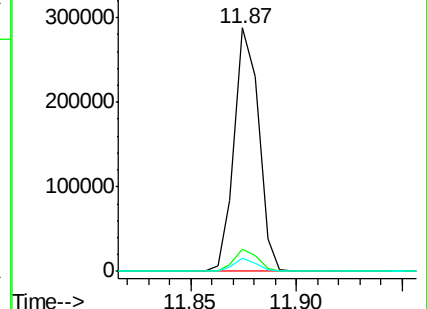
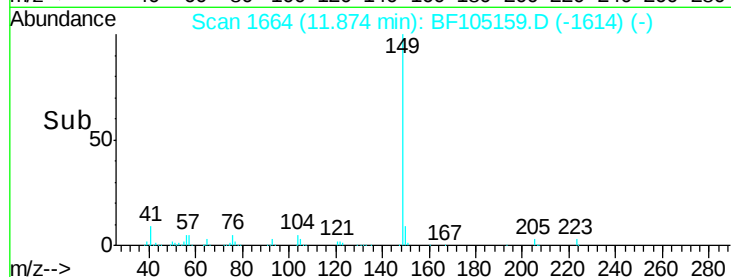
104 5.2 3.8 5.8



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: 5.883 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

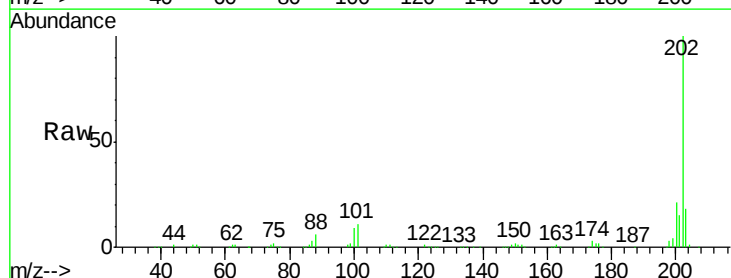
Tgt Ion:202 Resp: 250296

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

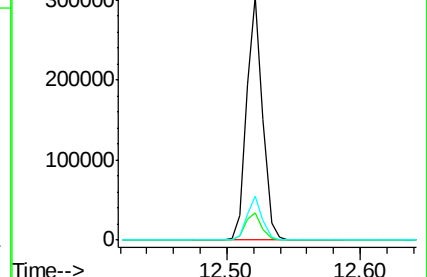
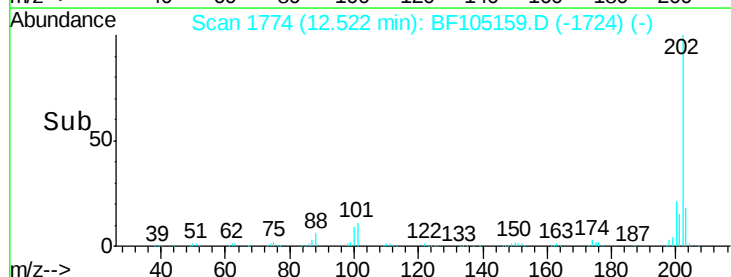
203 18.0 0.0 38.1

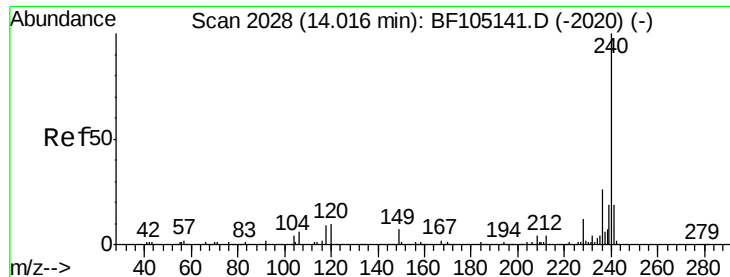


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

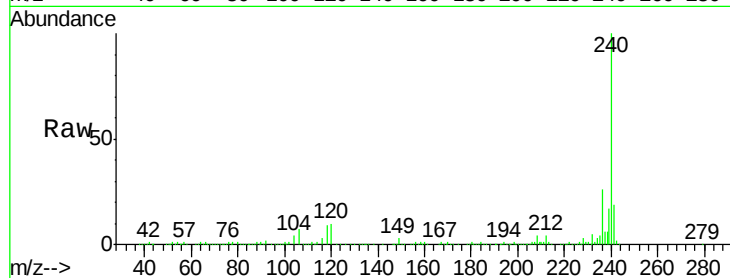
Tot Ion:240 Resp: 666629

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

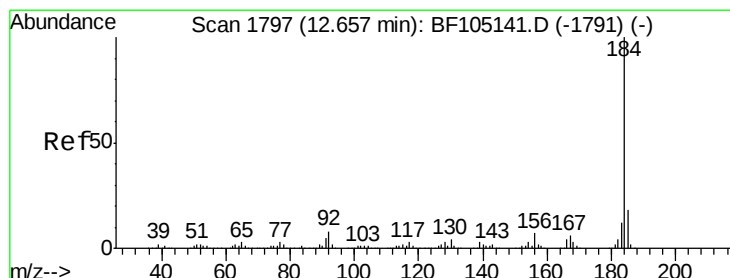
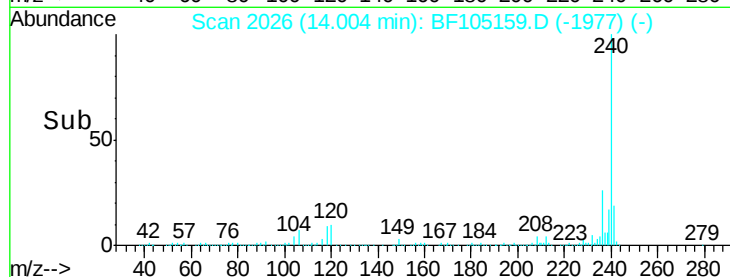
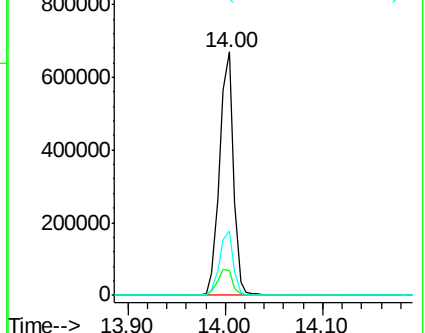
236 26.3 20.7 31.1



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: 1.613 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

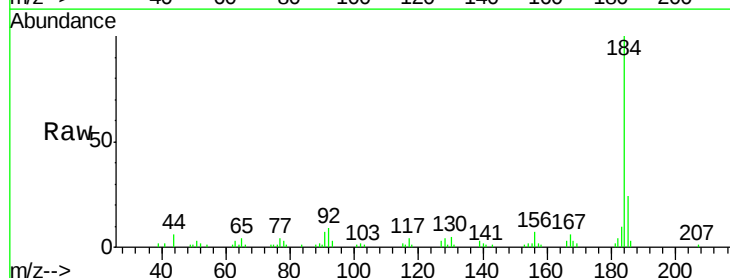
Tgt Ion:184 Resp: 40161

Ion Ratio Lower Upper

184 100

185 24.0 12.6 18.8#

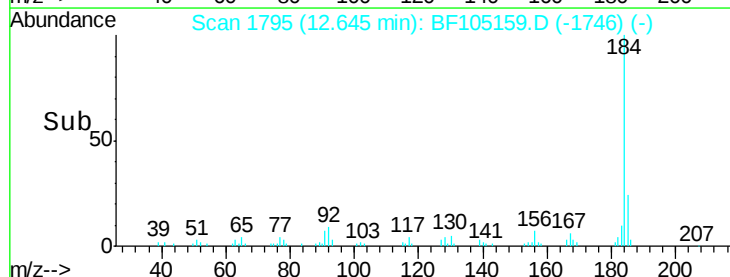
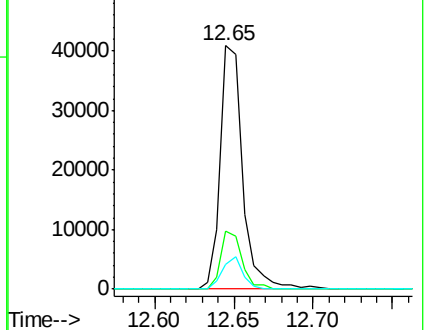
183 10.2 9.3 13.9

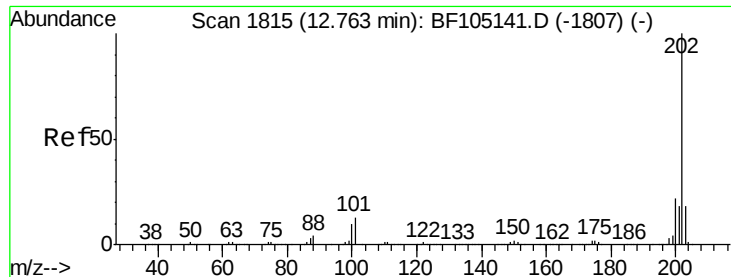


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

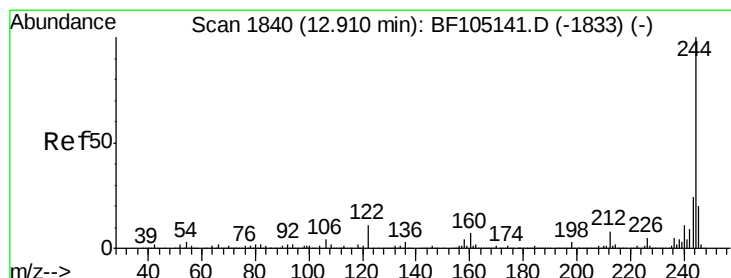
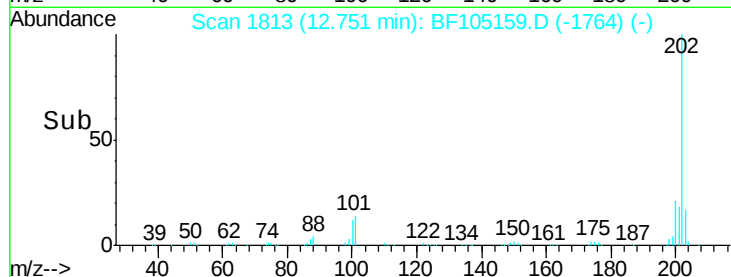
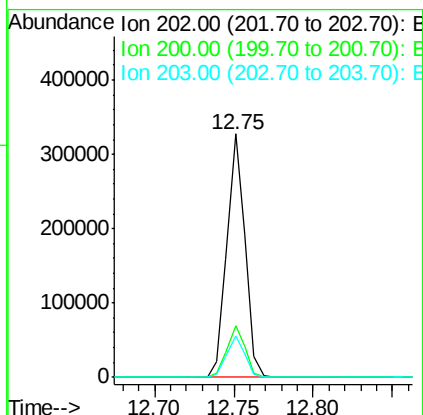
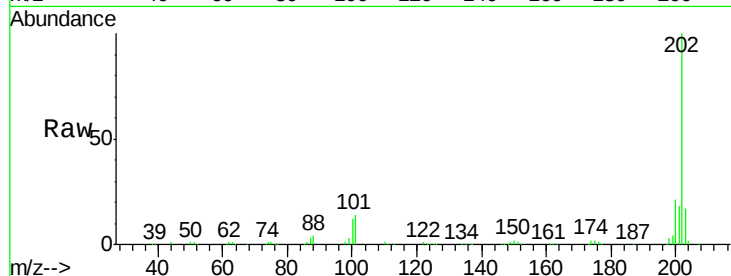




#77
Pvrene
Concen: 5.349 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

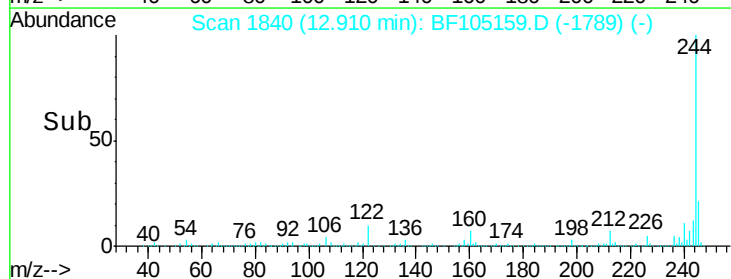
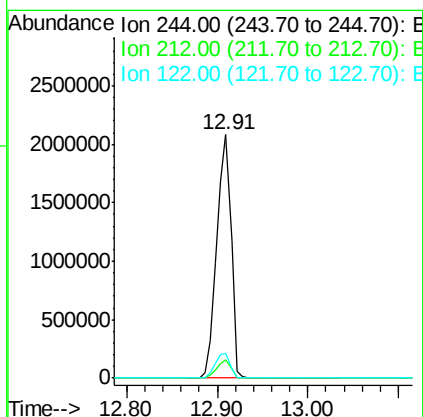
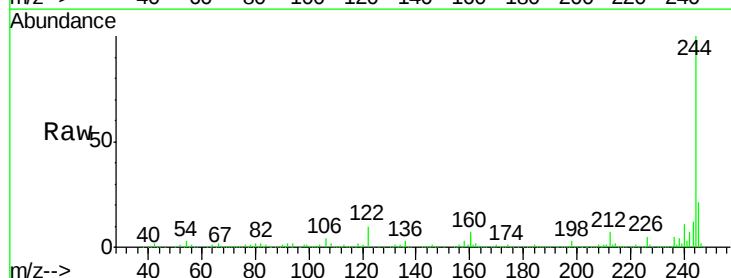
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

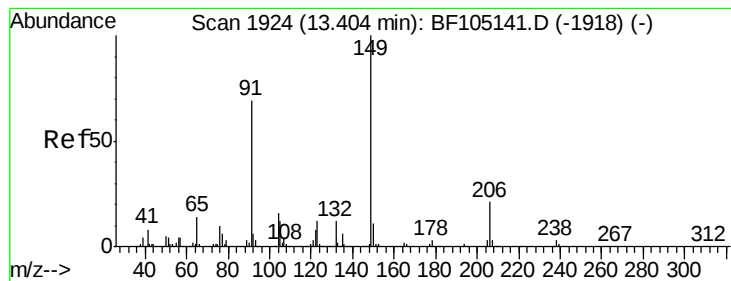
Tot Ion:202 Resp: 259371
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.1 14.3 21.5



#78
Terphenyl-d14
Concen: 78.543 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion:244 Resp: 2254077
Ion Ratio Lower Upper
244 100
212 7.4 5.4 8.0
122 10.3 11.0 16.4#





#79

Butylbenzylphthalate

Concen: 10.637 ng

RT: 13.39 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

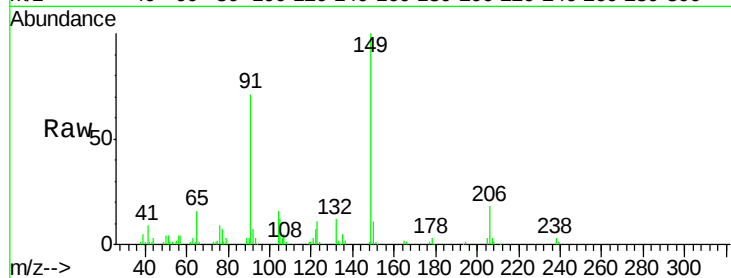
Tot Ion:149 Resp: 76495

Ion Ratio Lower Upper

149 100

91 71.1 56.8 85.2

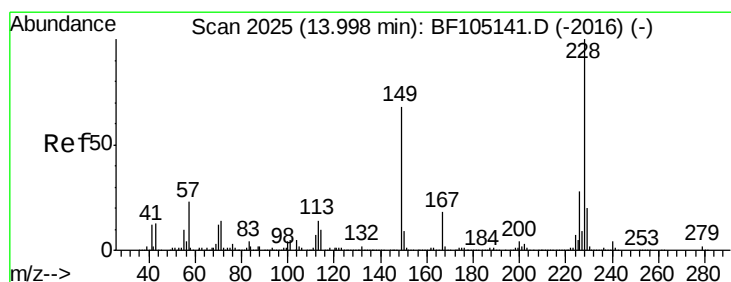
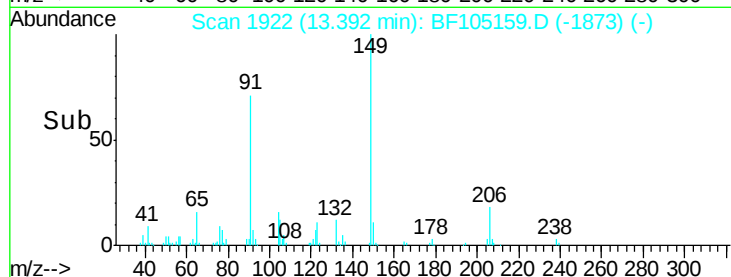
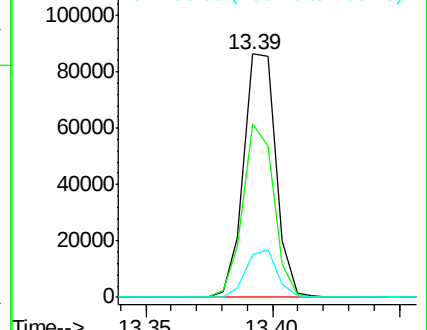
206 17.8 14.1 21.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 5.506 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF105159.D

Acq: 8 May 2018 22:05

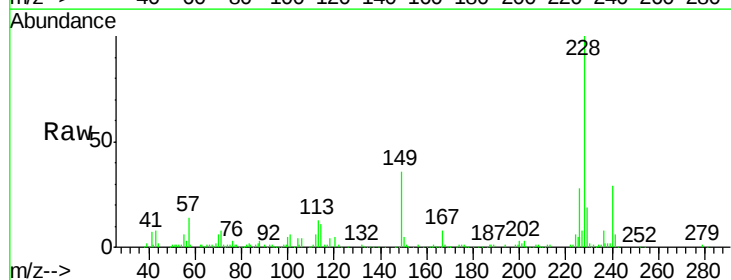
Tgt Ion:228 Resp: 222609

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

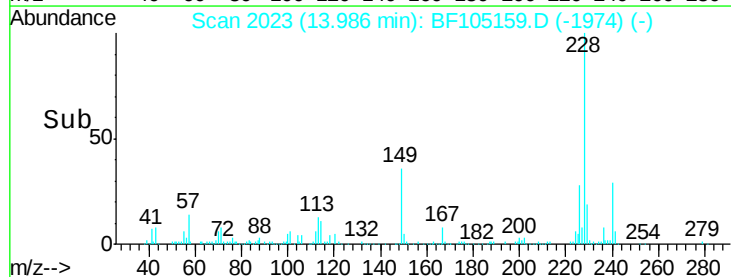
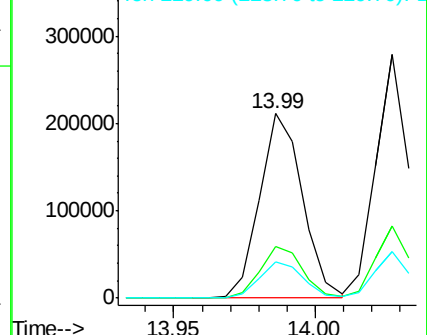
229 19.5 15.8 23.6

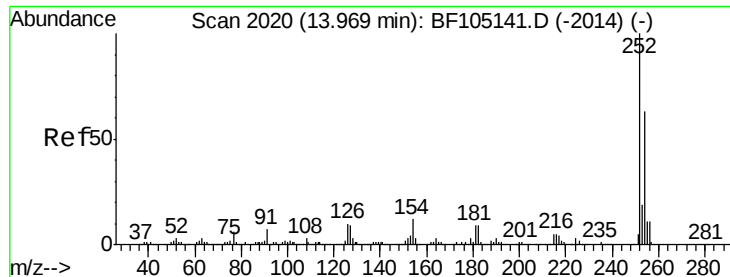


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

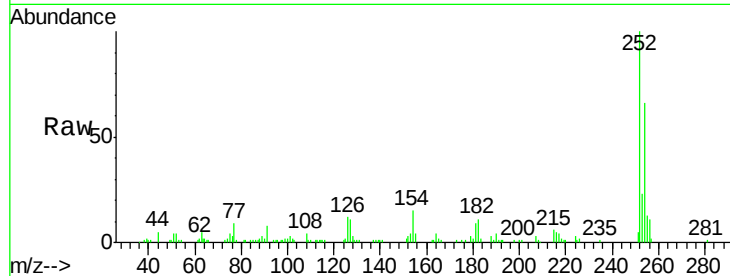




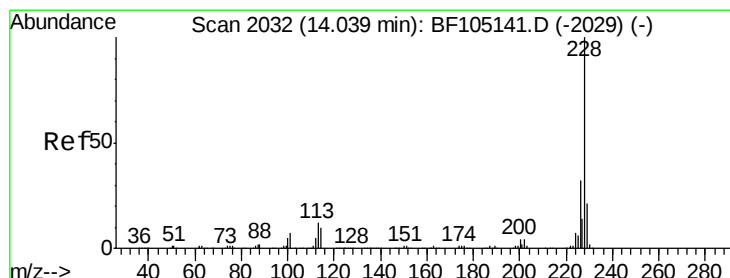
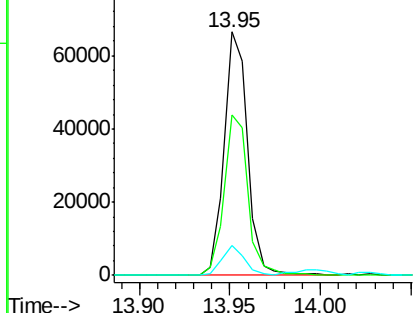
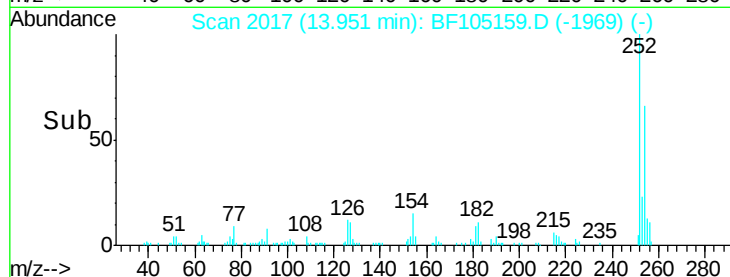
#81
 3,3'-Dichlorobenzidine
 Concen: 3.940 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.02 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.8	50.4	75.6
126	12.1	11.3	16.9

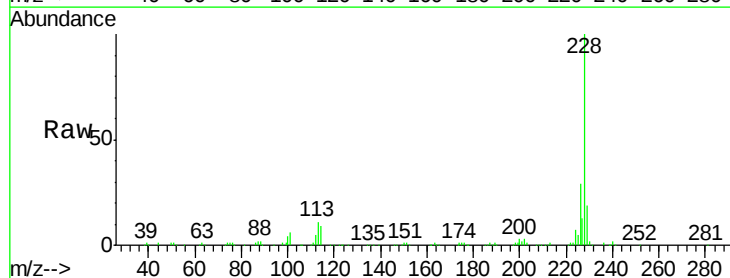


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

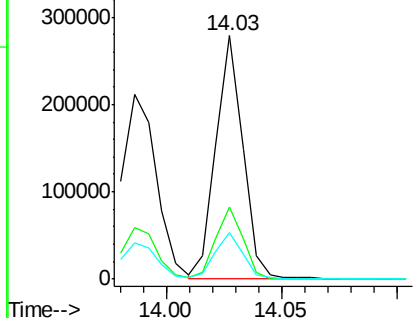
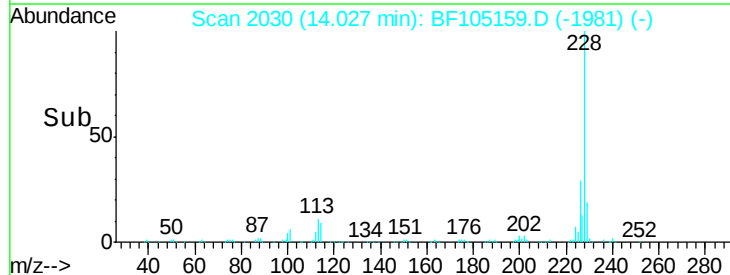


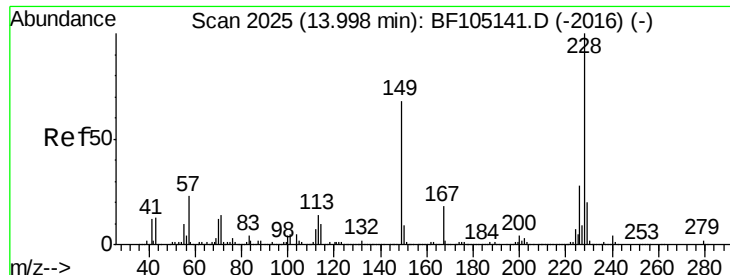
#82
 Chrysene
 Concen: 5.421 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	19.0	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

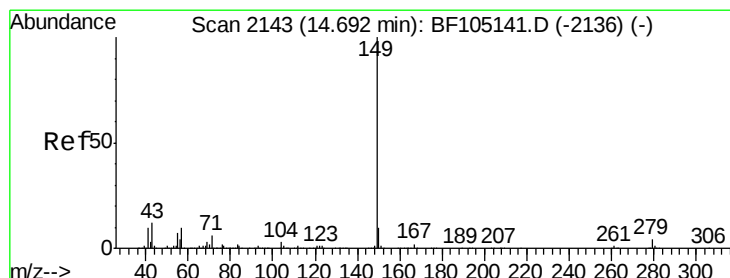
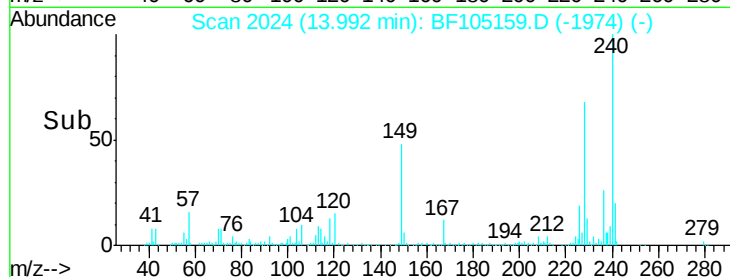
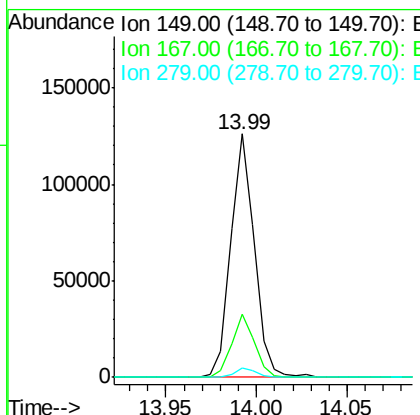
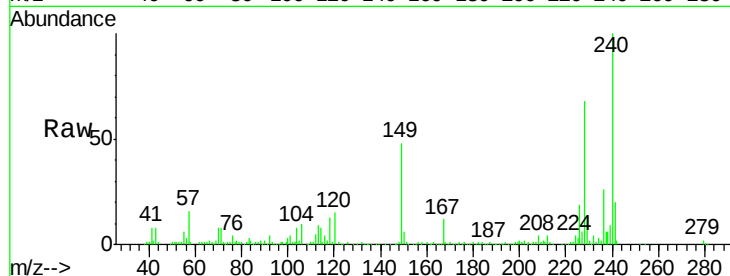




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.727 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

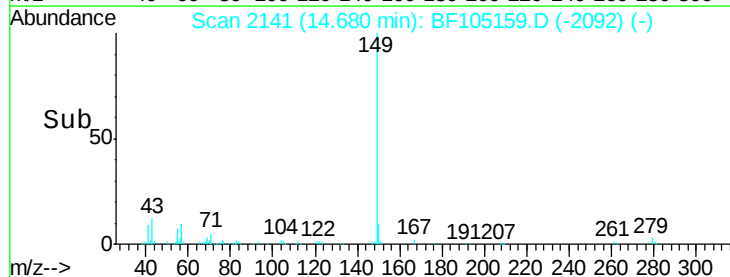
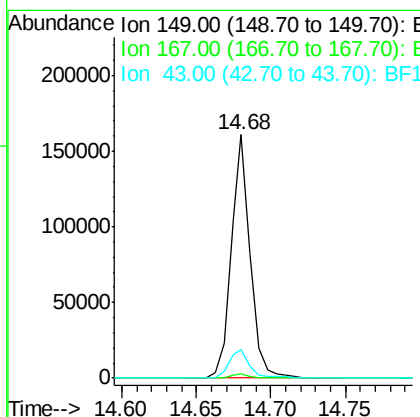
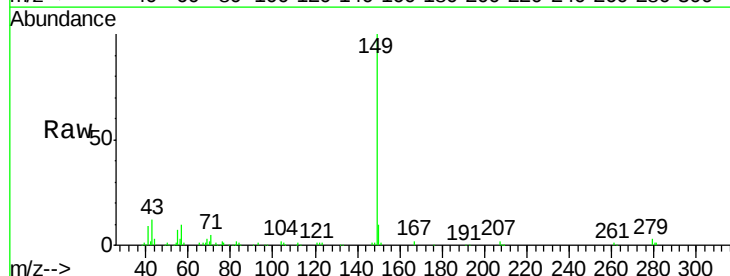
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

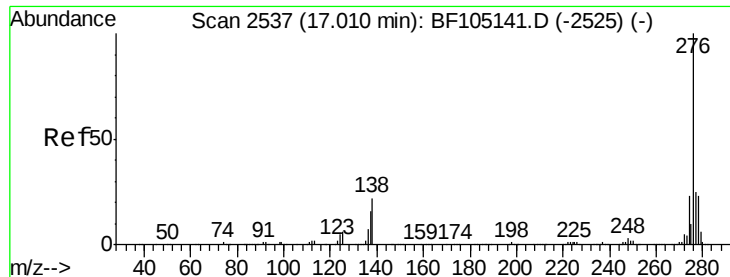
Tot Ion:149 Resp: 114814
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.3 31.9
 279 3.7 3.0 4.4



#84
 Di-n-octyl phthalate
 Concen: 10.088 ng
 RT: 14.68 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

Tgt Ion:149 Resp: 143263
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 13.2 8.4 12.6#

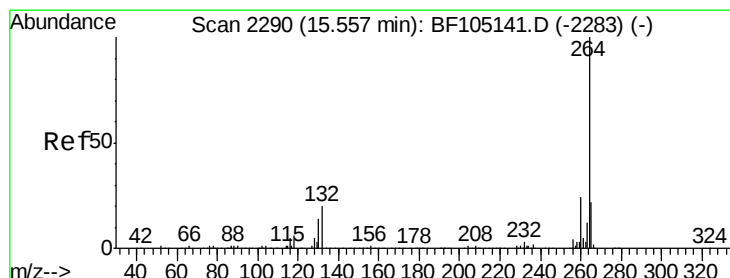
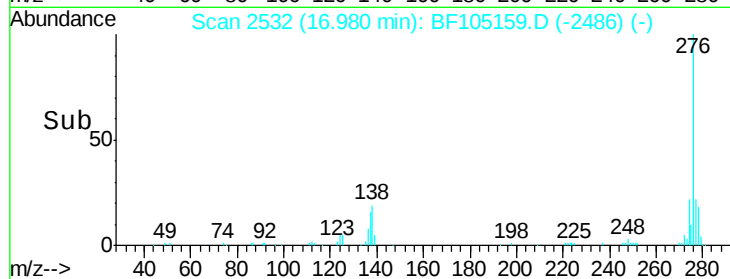
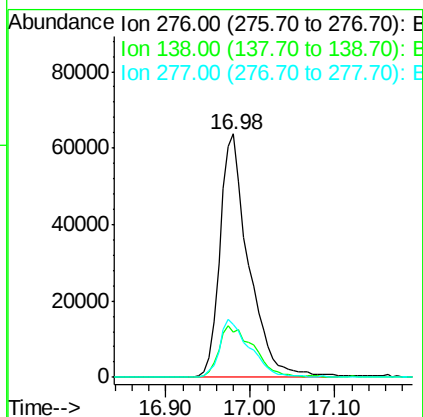
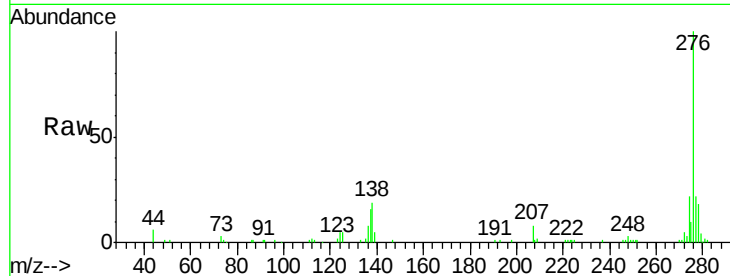




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.559 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. -0.03 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

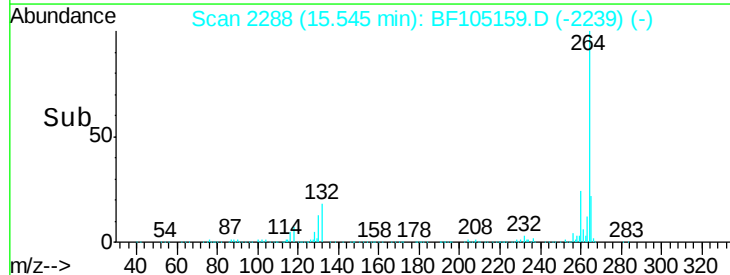
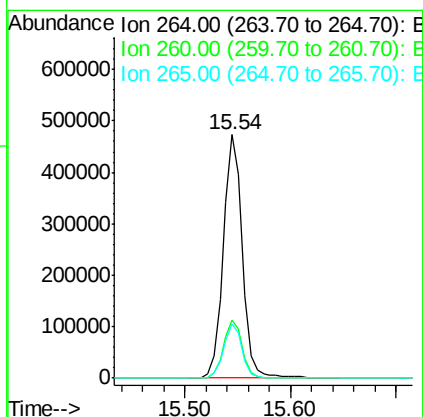
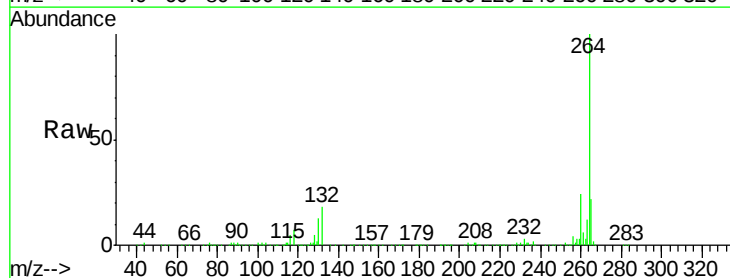
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

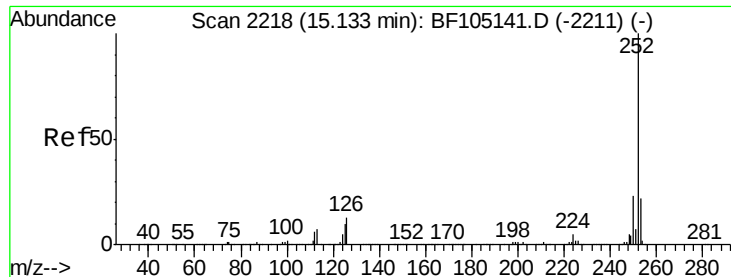
Tot Ion:276 Resp: 150409
 Ion Ratio Lower Upper
 276 100
 138 25.4 25.0 37.6
 277 24.9 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. -0.01 min
 Lab File: BF105159.D
 Acq: 8 May 2018 22:05

Tgt Ion:264 Resp: 589877
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 22.4 17.5 26.3

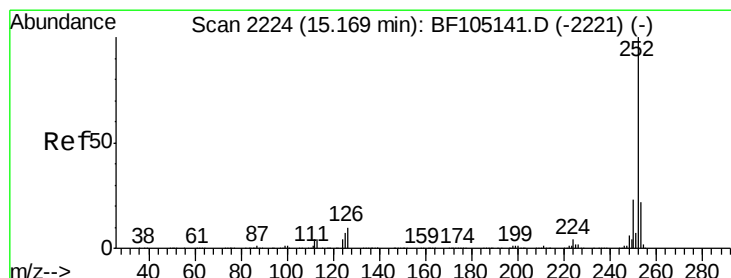
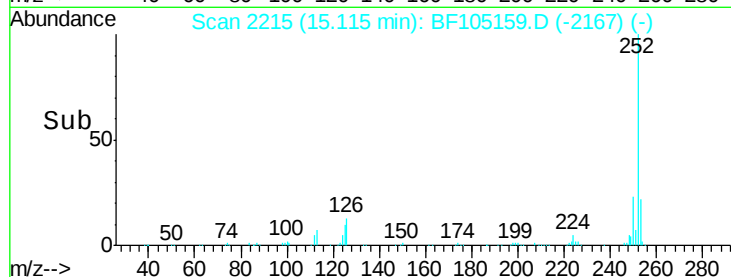
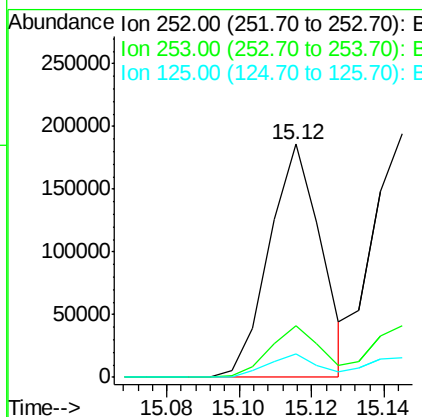
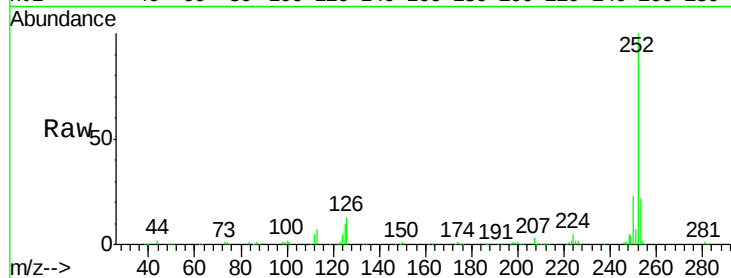




#87
Benzo(b)fluoranthene
Concen: 5.133 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

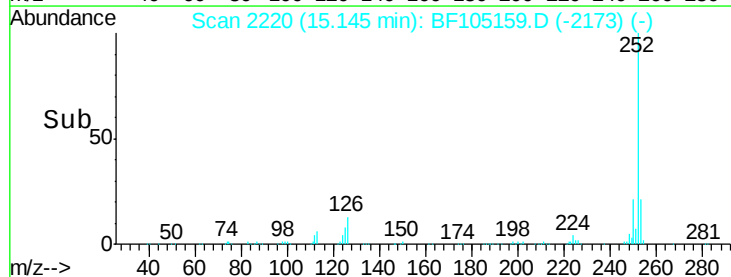
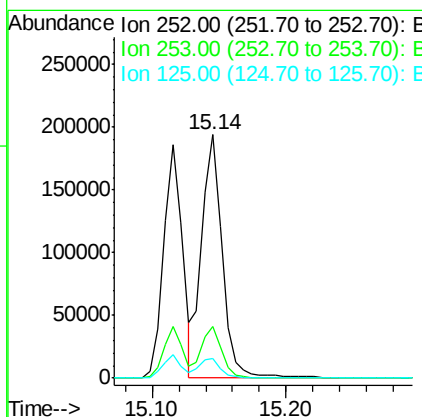
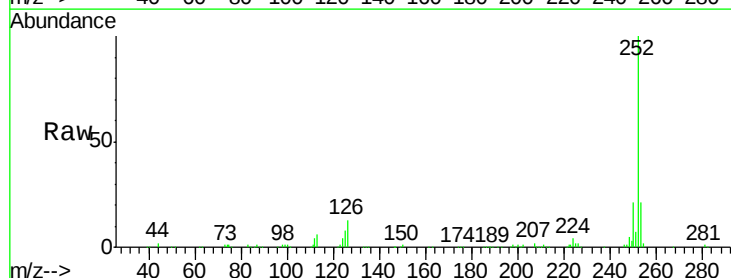
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

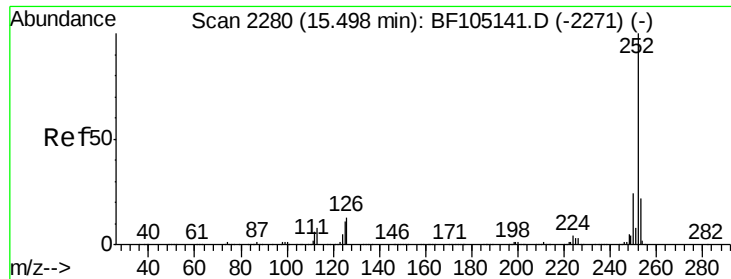
Tot Ion:252 Resp: 185230
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 10.1 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 5.929 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion:252 Resp: 207482
Ion Ratio Lower Upper
252 100
253 21.2 17.9 26.9
125 8.2 10.2 15.2#

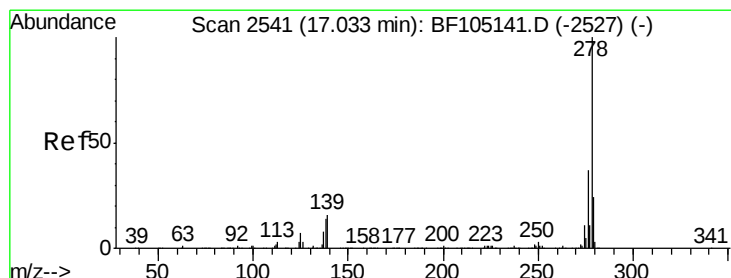
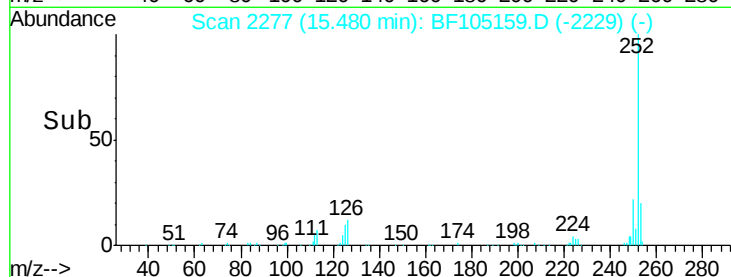
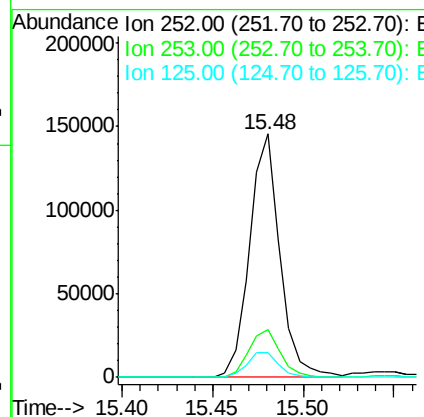
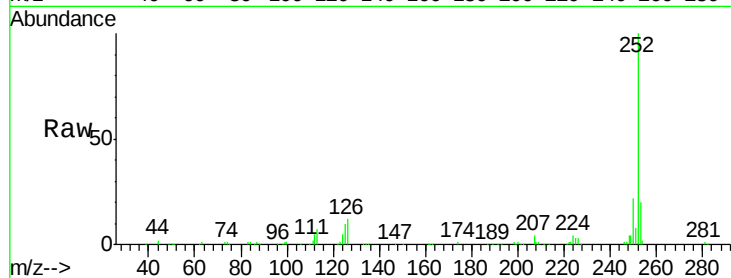




#89
Benzo(a)pyrene
Concen: 5.148 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.02 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

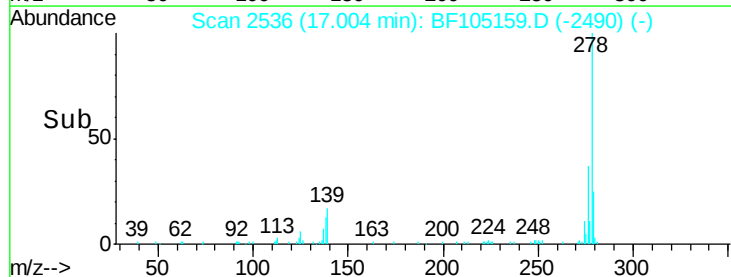
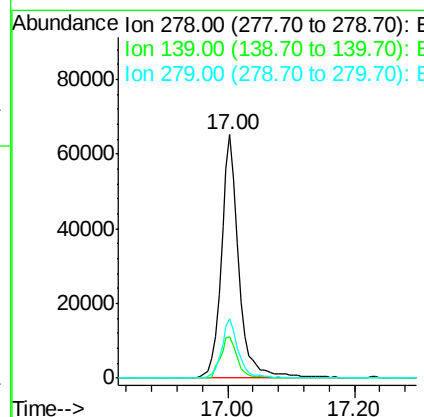
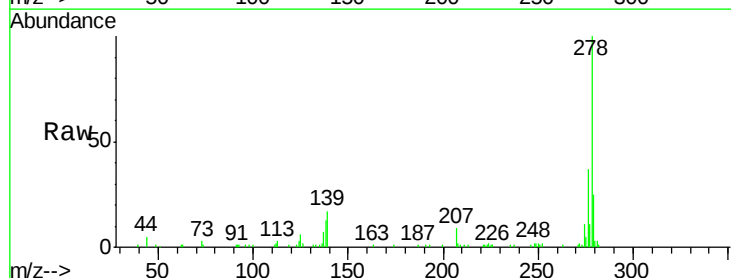
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

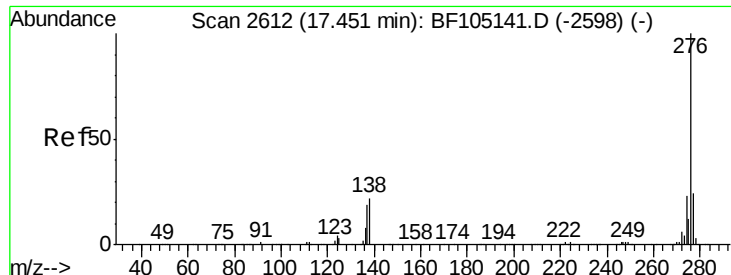
Tot Ion	Ratio	Lower	Upper
252	100		
253	19.8	17.1	25.7
125	10.3	9.8	14.6



#90
Dibenzo(a,h)anthracene
Concen: 4.963 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.03 min
Lab File: BF105159.D
Acq: 8 May 2018 22:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.1	15.9	23.9
279	24.5	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 4.854 ng

RT: 17.41 min Scan# 2605

Delta R.T. -0.04 min

Lab File: BF105159.D

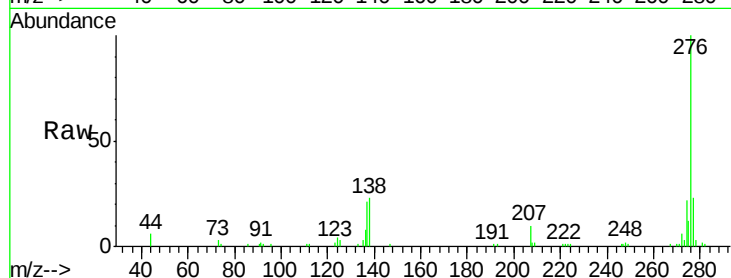
Acq: 8 May 2018 22:05

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018



Tot Ion:	276	Resp:	121047
Ion	Ratio	Lower	Upper
276	100		
277	22.9	17.9	26.9
138	22.9	21.8	32.8

