

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105160.D
 Acq On : 8 May 2018 22:32
 Operator : JU/SJ
 Sample : J2133-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: May 09 08:33:13 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	206554	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	834505	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	416021	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	817901	20.00	ng	0.00
75) Chrysene-d12	14.01	240	694865	20.00	ng	0.00
86) Perylene-d12	15.56	264	636169	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1541762	122.97	ng	0.00
7) Phenol-d6	6.42	99	1864236	124.87	ng	0.00
23) Nitrobenzene-d5	7.36	82	1159369	94.16	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	608493	132.57	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2072563	77.32	ng	0.00
78) Terphenyl-d14	12.91	244	2337697	78.15	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	50129	7.562	ng	87
3) Pyridine	3.27	79	139648	7.855	ng	91
4) n-Nitrosodimethylamine	3.18	42	62177	6.900	ng	# 84
6) Aniline	6.46	93	178019	8.165	ng	96
8) 2-Chlorophenol	6.57	128	112953	8.493	ng	95
9) Benzaldehyde	6.35	77	60356	5.275	ng	97
10) Phenol	6.43	94	130702	7.867	ng	98
11) bis(2-Chloroethyl)ether	6.53	93	116790	8.529	ng	90
12) 1,3-Dichlorobenzene	6.73	146	144314	9.002	ng	98
13) 1,4-Dichlorobenzene	6.81	146	141520	8.828	ng	99
14) 1,2-Dichlorobenzene	6.96	146	132535	8.963	ng	97
15) Benzyl Alcohol	6.93	79	114297	10.003	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.06	45	211889	8.327	ng	96
17) 2-Methylphenol	7.03	107	100267	8.731	ng	99
18) Hexachloroethane	7.30	117	46462	9.007	ng	97
19) n-Nitroso-di-n-propylamine	7.20	70	88625	8.966	ng	# 86
20) 3+4-Methylphenols	7.19	107	131662	9.756	ng	96
22) Acetophenone	7.20	105	182664	9.391	ng	95
24) Nitrobenzene	7.37	77	129613	9.284	ng	97
25) Isophorone	7.61	82	218418	7.932	ng	98
26) 2-Nitrophenol	7.69	139	47056	16.608	ng	96
27) 2,4-Dimethylphenol	7.72	122	87186	7.125	ng	98
28) bis(2-Chloroethoxy)methane	7.82	93	138760	8.165	ng	97
29) 2,4-Dichlorophenol	7.92	162	96327	8.414	ng	96
30) 1,2,4-Trichlorobenzene	8.02	180	118909	9.006	ng	98
31) Naphthalene	8.09	128	363736	9.052	ng	99
32) Benzoic acid	7.79	122	58674	16.814	ng	96
33) 4-Chloroaniline	8.14	127	141712	8.481	ng	96
34) Hexachlorobutadiene	8.21	225	71328	9.325	ng	97
35) Caprolactam	8.47	113	28508	8.199	ng	# 77
36) 4-Chloro-3-methylphenol	8.61	107	98012	8.223	ng	96
37) 2-Methylnaphthalene	8.78	142	252075	9.000	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	121768	9.198	ng	97
40) Hexachlorocyclopentadiene	8.94	237	55730	7.785	ng	97

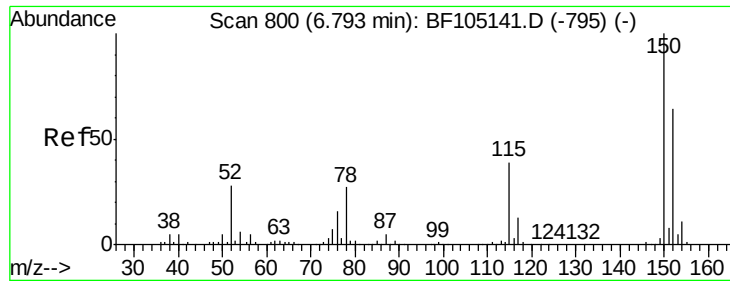
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	66220	8.199	nq	94
43) 2,4,5-Trichlorophenol	9.09	196	75757	8.976	nq	90
45) 1,1'-Biphenyl	9.25	154	329929	9.734	nq	98
46) 2-Chloronaphthalene	9.27	162	238964	9.433	nq	94
47) 2-Nitroaniline	9.36	65	60790	13.124	nq	86
48) Acenaphthylene	9.69	152	366288	9.361	nq	99
49) Dimethylphthalate	9.55	163	272025	9.659	nq	99
50) 2,6-Dinitrotoluene	9.60	165	54144	8.860	nq	90
51) Acenaphthene	9.86	154	238238	9.448	nq	97
52) 3-Nitroaniline	9.77	138	59323	9.216	nq	99
53) 2,4-Dinitrophenol	9.87	184	12129	16.434	nq #	21
54) Dibenzofuran	10.03	168	331000	8.974	nq	100
55) 4-Nitrophenol	9.92	139	40300	10.883	nq	88
56) 2,4-Dinitrotoluene	10.00	165	70114	11.589	nq	98
57) Fluorene	10.37	166	261193	9.656	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.15	232	61585	8.175	nq #	89
59) Diethylphthalate	10.25	149	270754	9.782	nq	95
60) 4-Chlorophenyl-phenylether	10.37	204	126289	10.029	nq	91
61) 4-Nitroaniline	10.38	138	54129	8.451	nq	99
62) Azobenzene	10.53	77	260123	9.009	nq	96
64) 4,6-Dinitro-2-methylphenol	10.41	198	26005	17.183	nq	88
65) n-Nitrosodiphenylamine	10.49	169	231825	9.093	nq	98
66) 4-Bromophenyl-phenylether	10.86	248	77058	8.834	nq #	90
67) Hexachlorobenzene	10.92	284	92725	9.225	nq #	88
68) Atrazine	11.01	200	47542	5.950	nq	95
69) Pentachlorophenol	11.11	266	49438	11.222	nq	96
70) Phenanthrene	11.33	178	396192	9.188	nq	98
71) Anthracene	11.39	178	389711	8.895	nq	99
72) Carbazole	11.54	167	370118	9.375	nq	98
73) Di-n-butylphthalate	11.87	149	400111	9.475	nq	99
74) Fluoranthene	12.52	202	408438	9.090	nq	98
76) Benzidine	12.65	184	82860	3.193	nq #	92
77) Pyrene	12.75	202	428398	8.476	nq	100
79) Butylbenzylphthalate	13.40	149	140408	13.482	nq	96
80) Benzo(a)anthracene	13.99	228	368032	8.733	nq	98
81) 3,3'-Dichlorobenzidine	13.96	252	110973	7.004	nq	96
82) Chrysene	14.03	228	372567	8.585	nq	98
83) Bis(2-ethylhexyl)phthalate	14.00	149	199480	9.546	nq	98
84) Di-n-octyl phthalate	14.69	149	279296	12.831	nq #	95
85) Indeno(1,2,3-cd)pyrene	17.00	276	259787	7.554	nq	94
87) Benzo(b)fluoranthene	15.13	252	317494	8.158	nq	97
88) Benzo(k)fluoranthene	15.16	252	343799	9.110	nq #	95
89) Benzo(a)pyrene	15.49	252	287887	8.133	nq	98
90) Dibenzo(a,h)anthracene	17.02	278	219300	7.977	nq #	95
91) Benzo(g,h,i)perylene	17.43	276	211101	7.849	nq #	93

(#) = 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: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

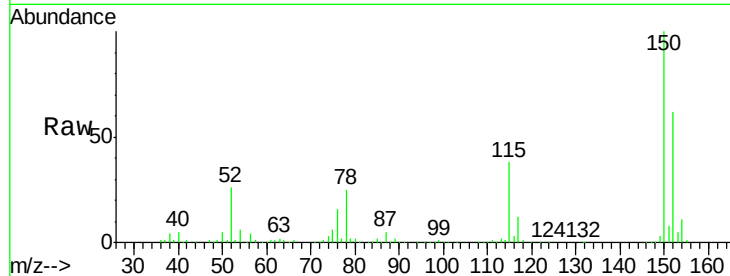
Tot Ion:152 Resp: 206554

Ion Ratio Lower Upper

152 100

150 161.0 124.6 186.8

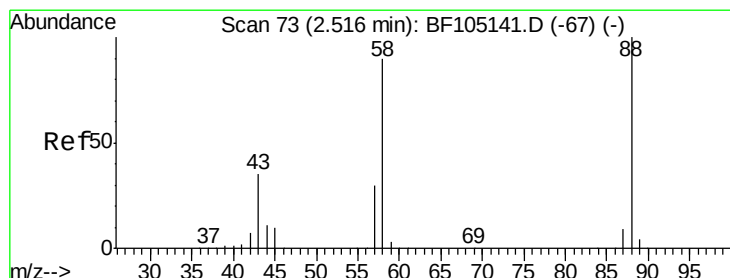
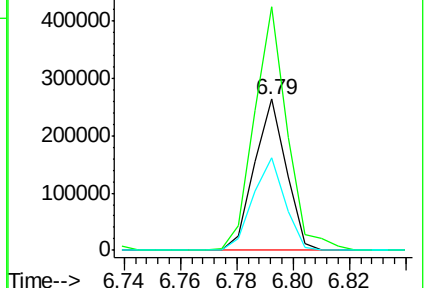
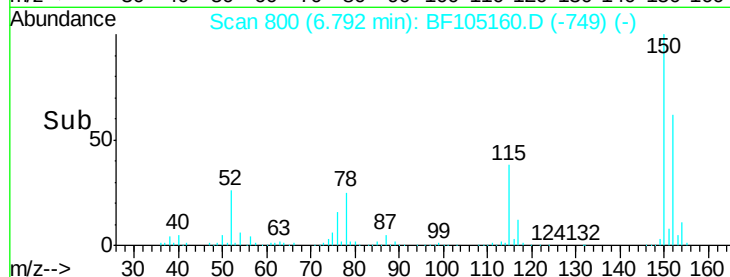
115 61.4 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 7.562 ng

RT: 2.52 min Scan# 73

Delta R.T. -0.00 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

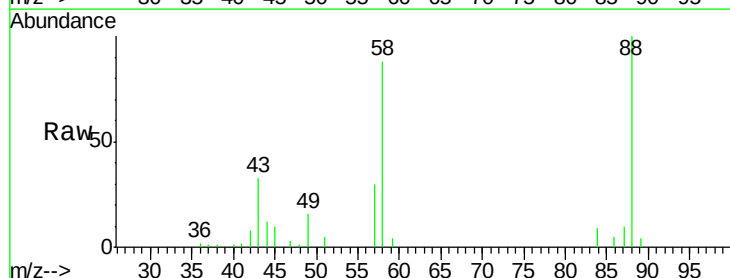
Tgt Ion: 88 Resp: 50129

Ion Ratio Lower Upper

88 100

58 91.0 62.6 93.8

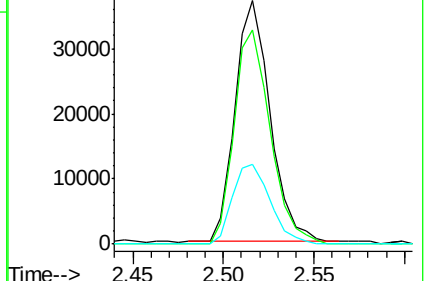
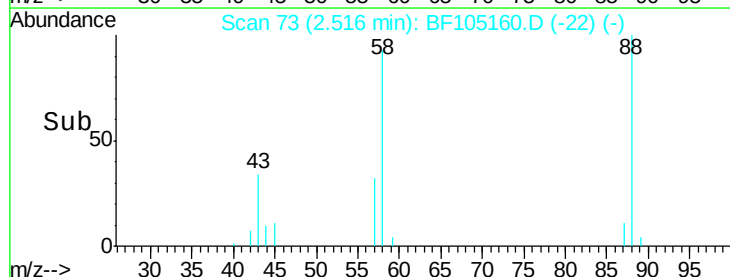
43 35.3 24.6 37.0

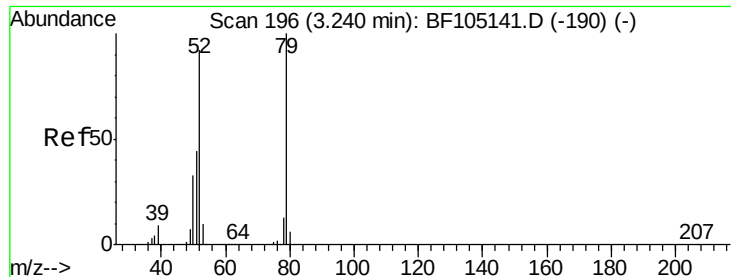


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 7.855 ng

RT: 3.27 min Scan# 202

Delta R.T. 0.04 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

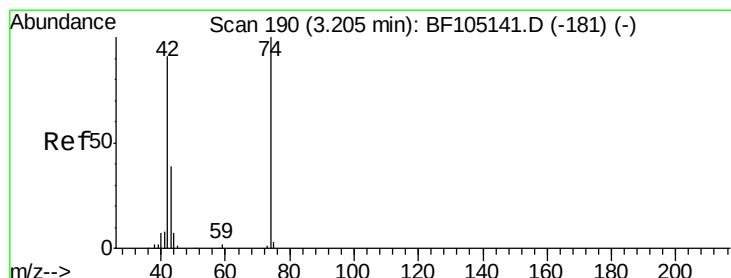
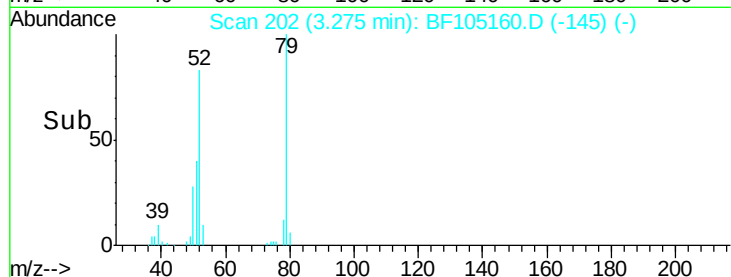
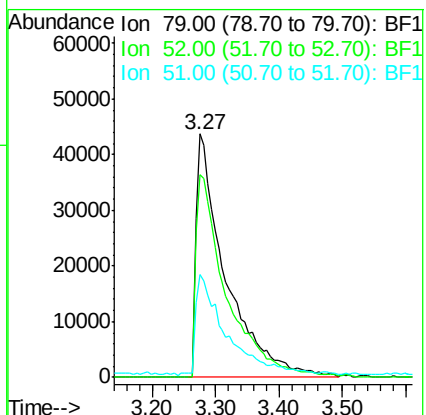
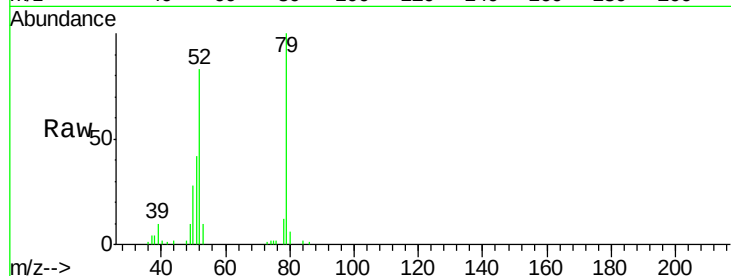
Tot Ion: 79 Resp: 139648

Ion Ratio Lower Upper

79 100

52 83.0 59.8 89.6

51 42.2 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 6.900 ng

RT: 3.18 min Scan# 186

Delta R.T. -0.02 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

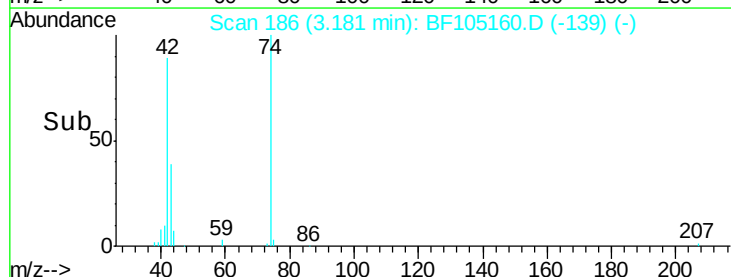
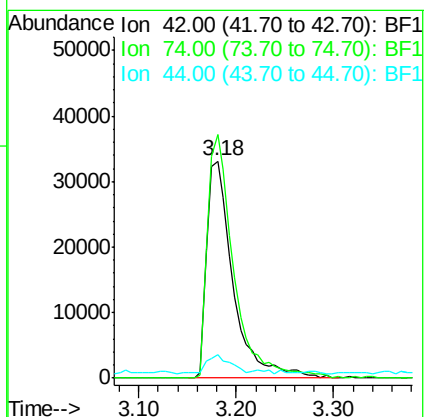
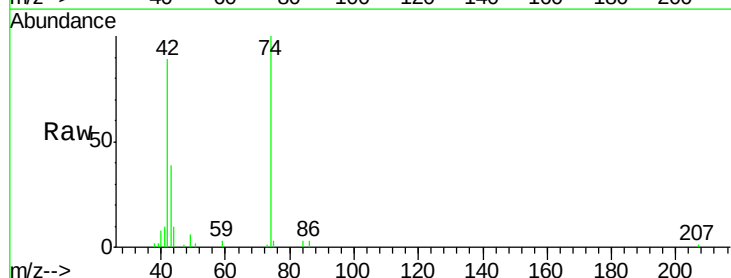
Tgt Ion: 42 Resp: 62177

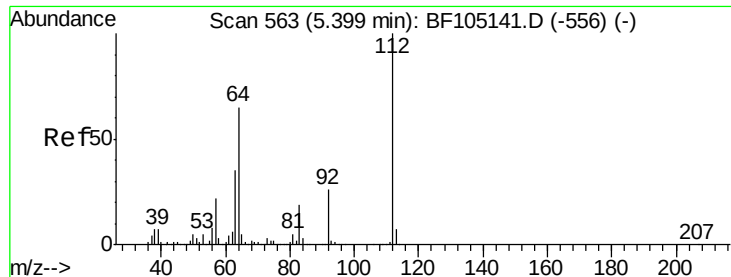
Ion Ratio Lower Upper

42 100

74 112.0 104.9 157.3

44 10.7 6.9 10.3#





#5

2-Fluorophenol

Concen: 122.968 ng

RT: 5.40 min Scan# 563

Delta R.T. -0.00 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

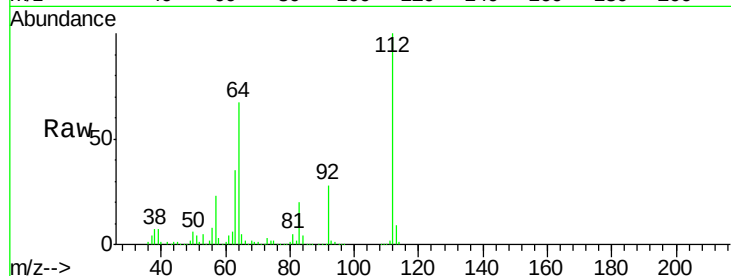
Tot Ion:112 Resp: 1541762

Ion Ratio Lower Upper

112 100

64 66.8 47.9 71.9

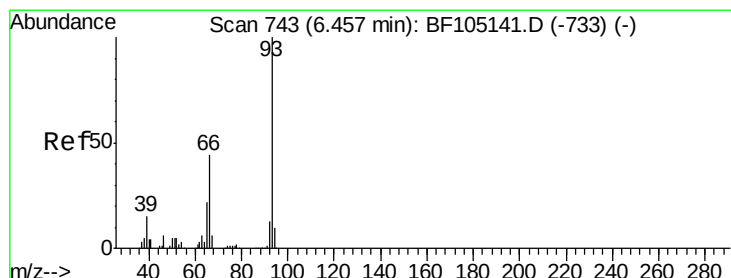
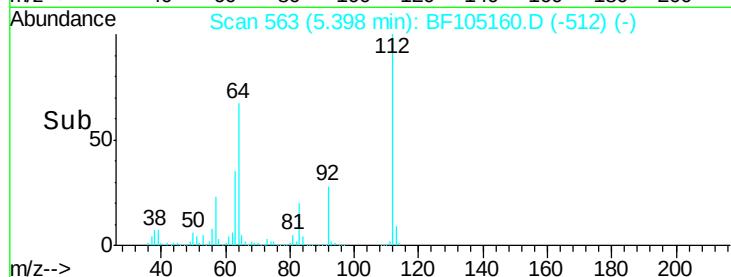
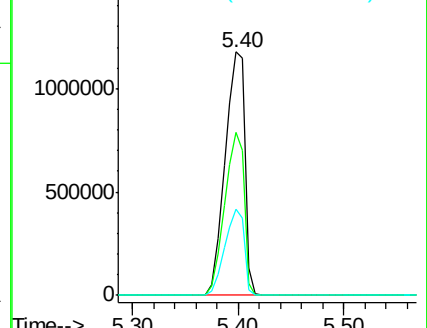
63 35.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.165 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

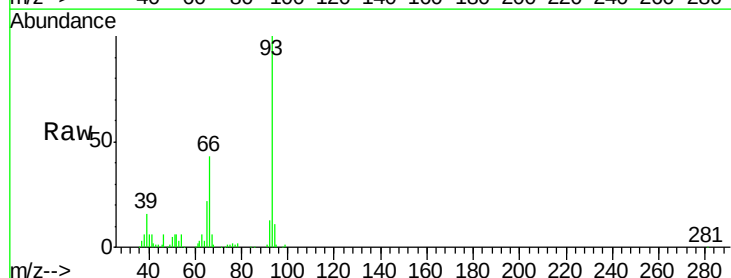
Tgt Ion: 93 Resp: 178019

Ion Ratio Lower Upper

93 100

66 43.2 32.2 48.2

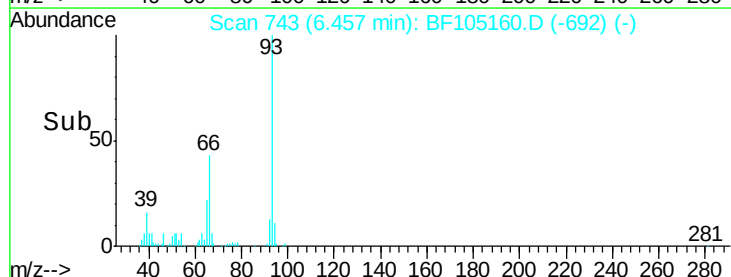
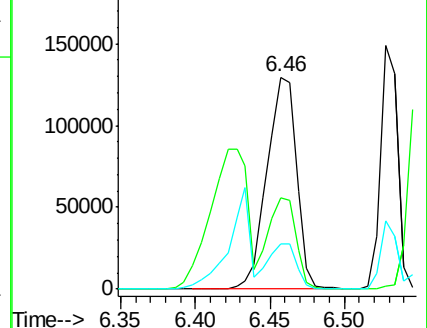
65 21.6 16.4 24.6

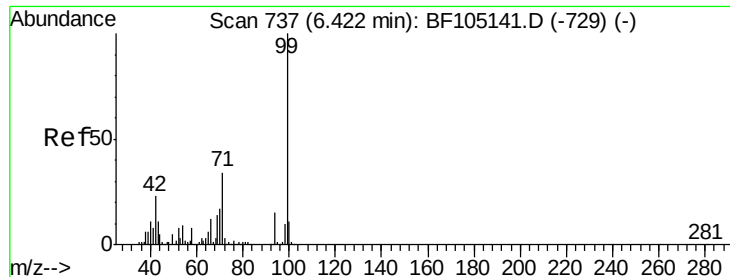


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 124.874 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

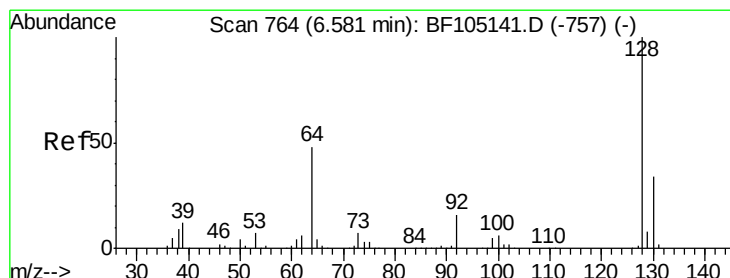
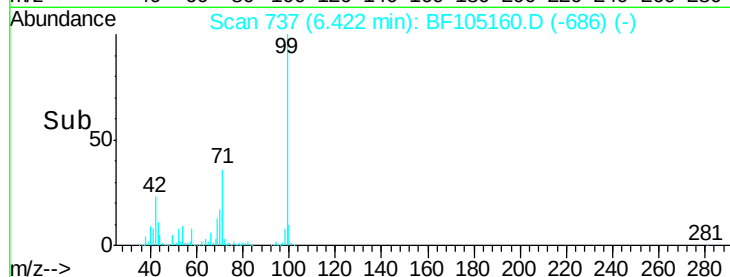
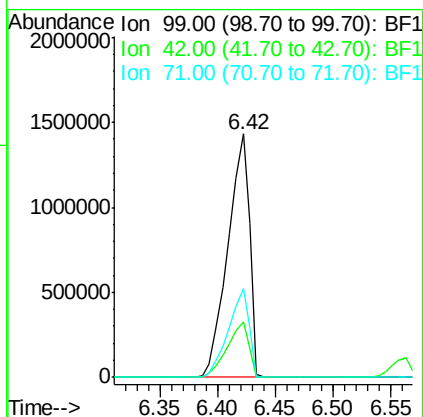
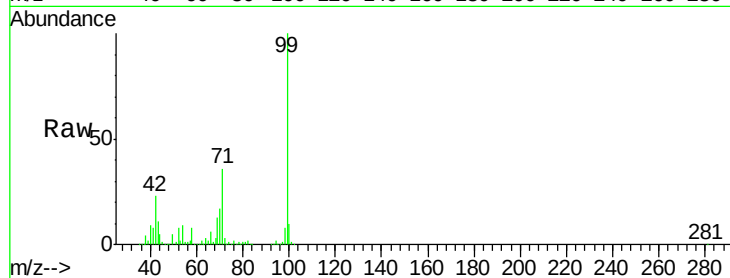
BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion: 99 Resp: 1864236

Ion	Ratio	Lower	Upper
99	100		
42	22.7	14.5	21.7#
71	36.4	25.4	38.0



#8

2-Chlorophenol

Concen: 8.493 ng

RT: 6.57 min Scan# 763

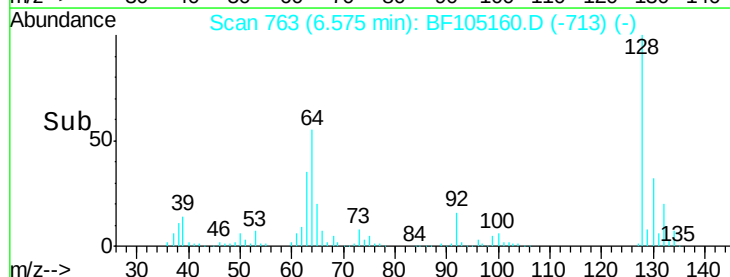
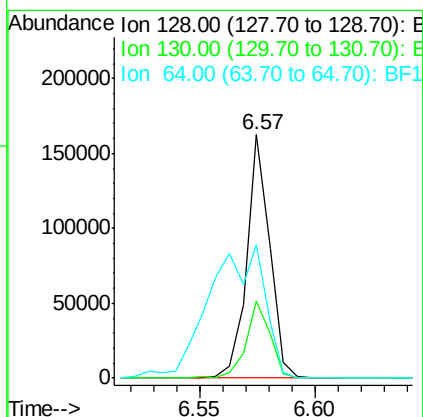
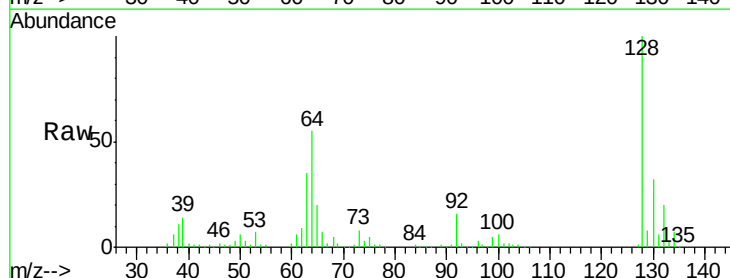
Delta R.T. -0.01 min

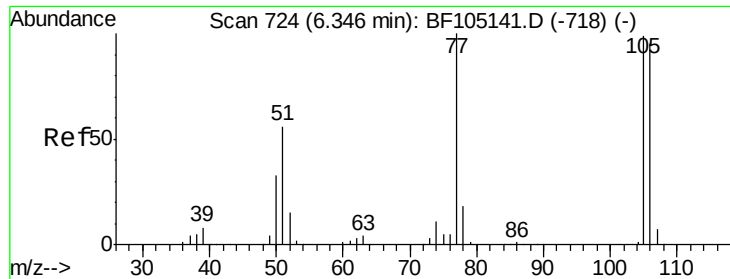
Lab File: BF105160.D

Acq: 8 May 2018 22:32

Tgt Ion: 128 Resp: 112953

Ion	Ratio	Lower	Upper
128	100		
130	31.9	13.0	53.0
64	54.6	29.4	69.4





#9

Benzaldehyde

Concen: 5.275 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

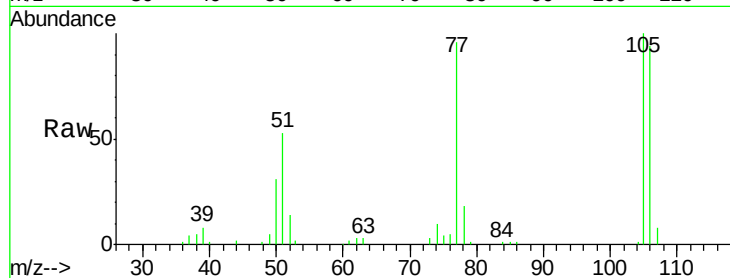
Tot Ion: 77 Resp: 60356

Ion Ratio Lower Upper

77 100

105 103.9 81.1 121.1

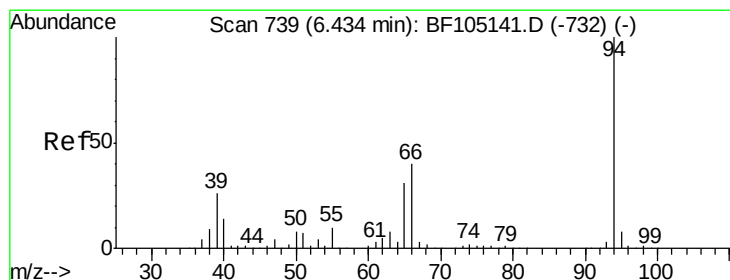
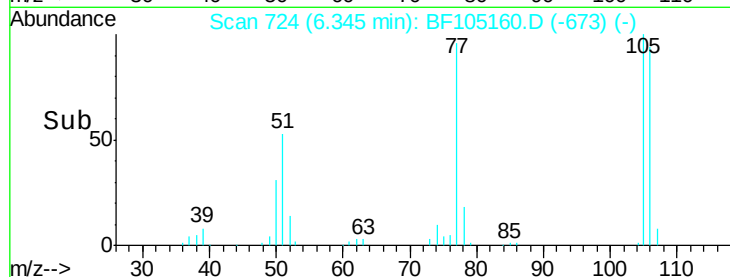
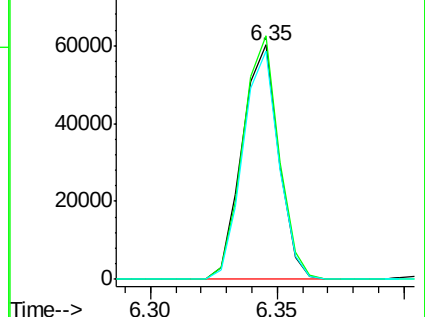
106 97.4 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 7.867 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

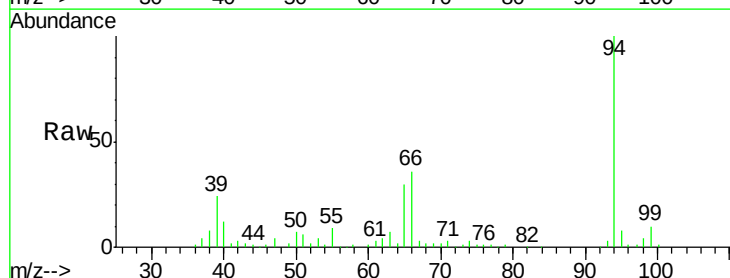
Tgt Ion: 94 Resp: 130702

Ion Ratio Lower Upper

94 100

65 29.8 7.9 47.9

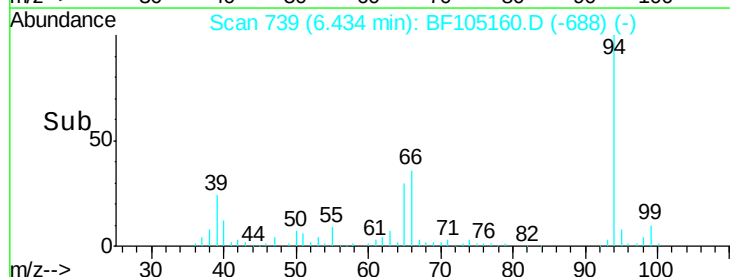
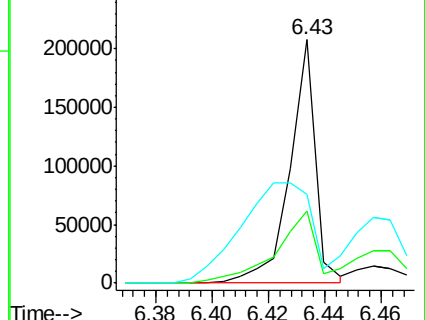
66 36.4 16.2 56.2

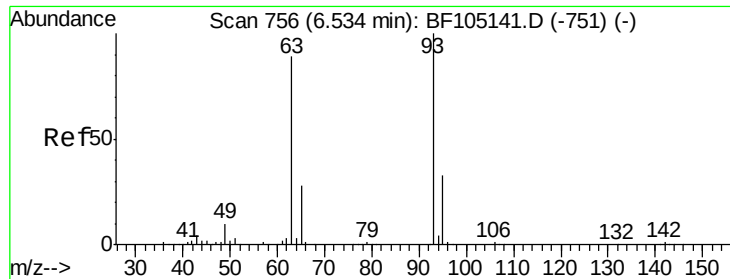


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 8.529 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

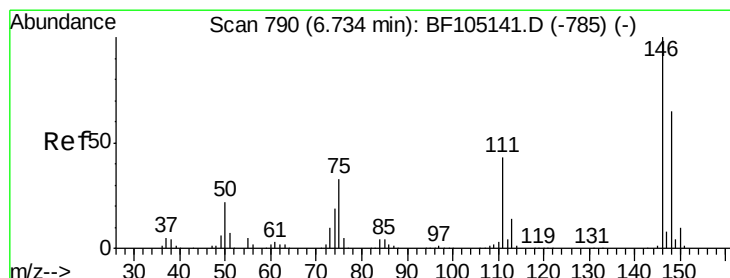
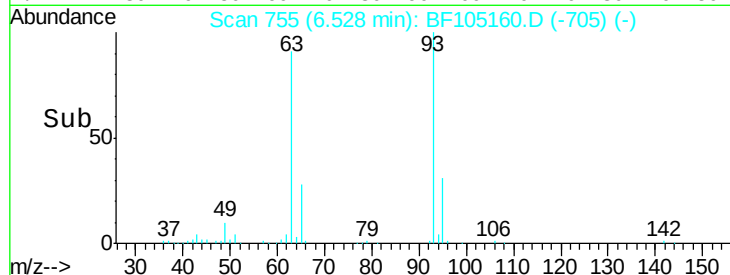
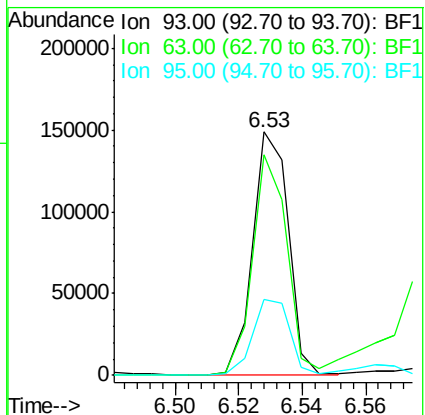
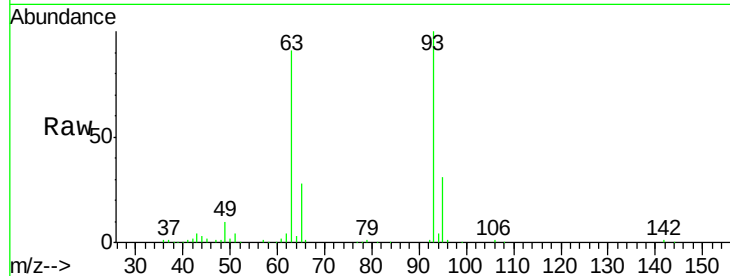
Tot Ion: 93 Resp: 116790

Ion Ratio Lower Upper

93 100

63 90.6 58.6 98.6

95 31.1 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 9.002 ng

RT: 6.73 min Scan# 790

Delta R.T. -0.00 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

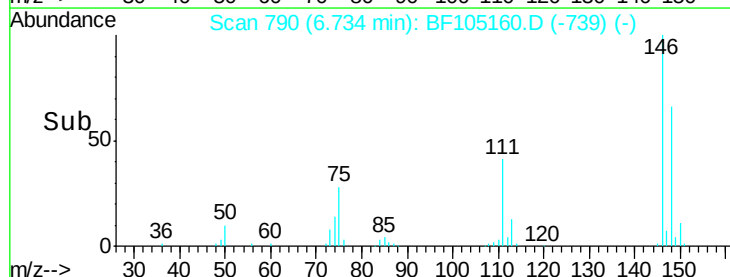
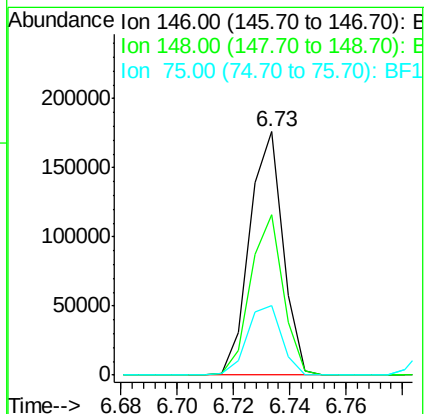
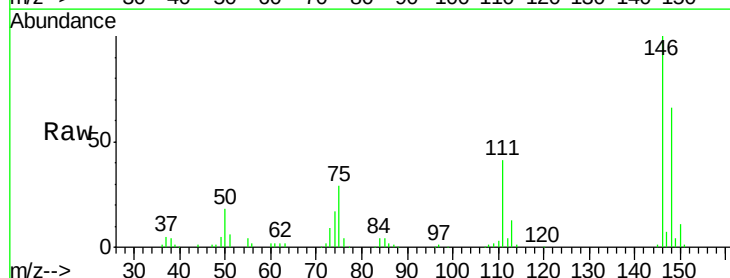
Tgt Ion: 146 Resp: 144314

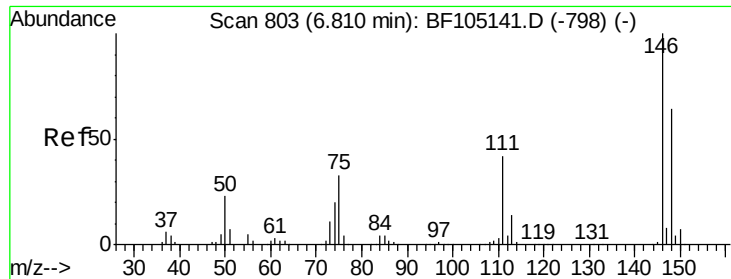
Ion Ratio Lower Upper

146 100

148 65.8 51.8 77.8

75 28.7 24.2 36.4

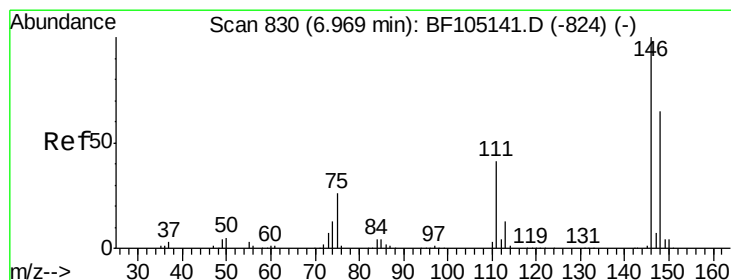
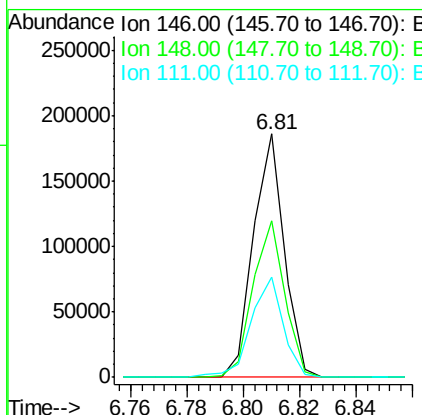
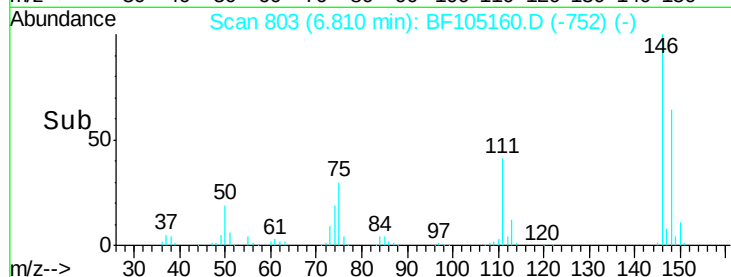
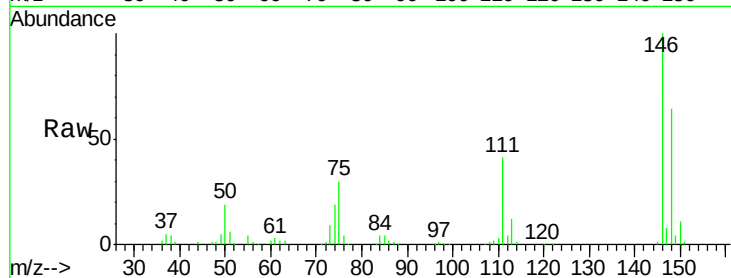




#13
 1,4-Dichlorobenzene
 Concen: 8.828 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

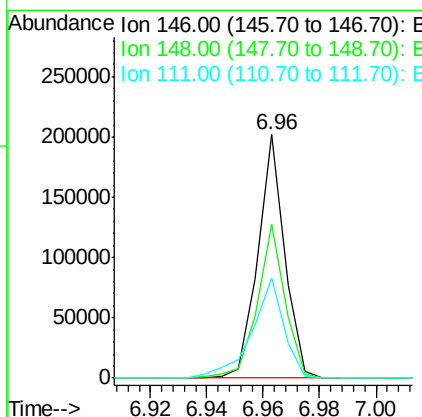
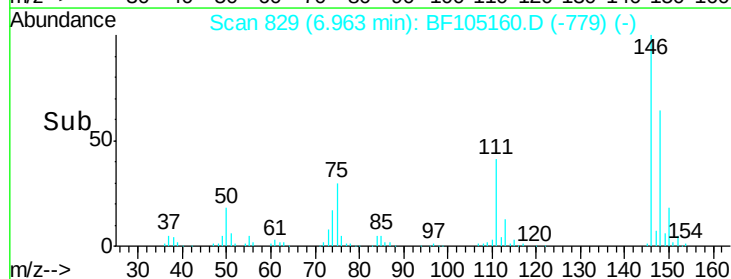
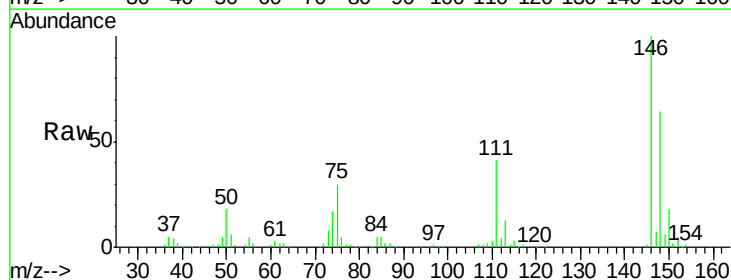
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

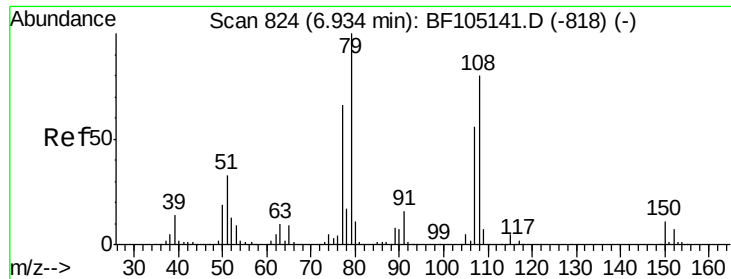
Tot Ion:146 Resp: 141520
 Ion Ratio Lower Upper
 146 100
 148 64.3 50.8 76.2
 111 41.4 34.2 51.2



#14
 1,2-Dichlorobenzene
 Concen: 8.963 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

Tgt Ion:146 Resp: 132535
 Ion Ratio Lower Upper
 146 100
 148 63.5 50.6 75.8
 111 41.4 36.0 54.0

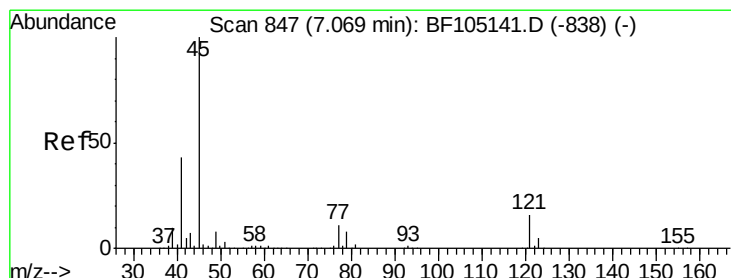
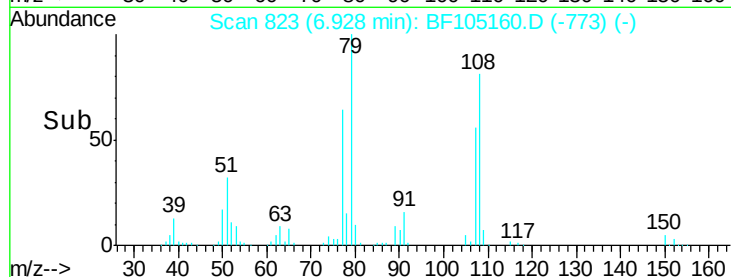
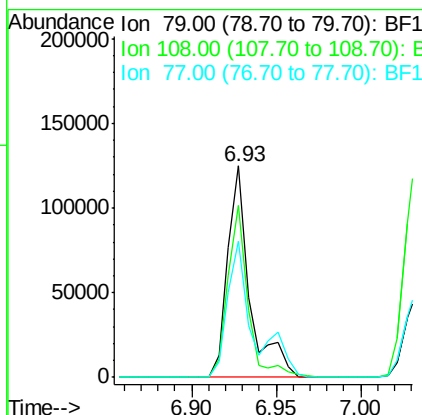
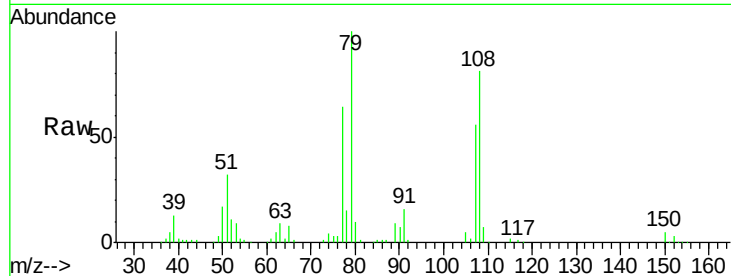




#15
Benzyl Alcohol
Concen: 10.003 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

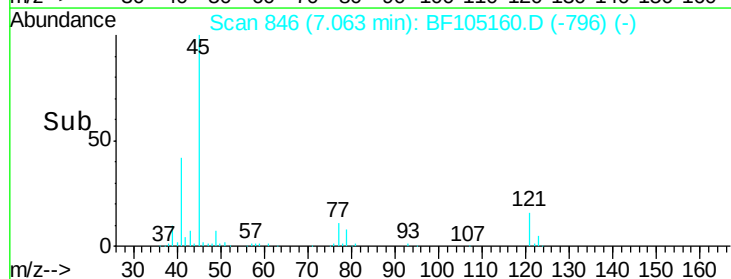
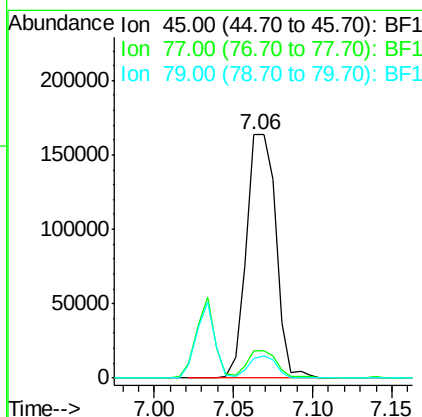
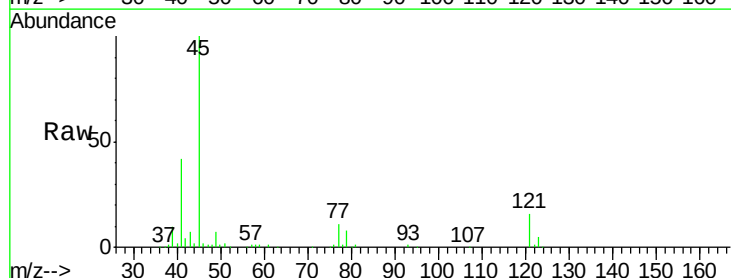
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

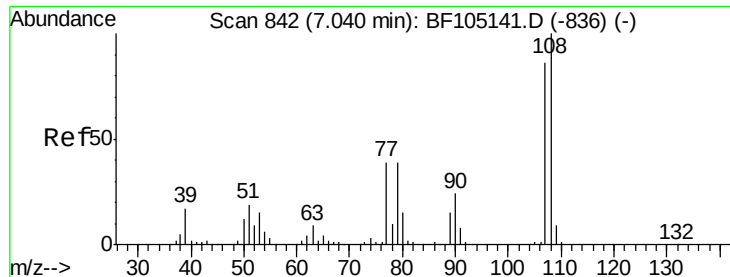
Tot Ion: 79 Resp: 114297
Ion Ratio Lower Upper
79 100
108 81.5 65.1 97.7
77 64.4 50.6 75.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 8.327 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion: 45 Resp: 211889
Ion Ratio Lower Upper
45 100
77 11.3 0.0 32.9
79 8.0 0.0 29.6





#17

2-Methylphenol

Concen: 8.731 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:107 Resp: 100267

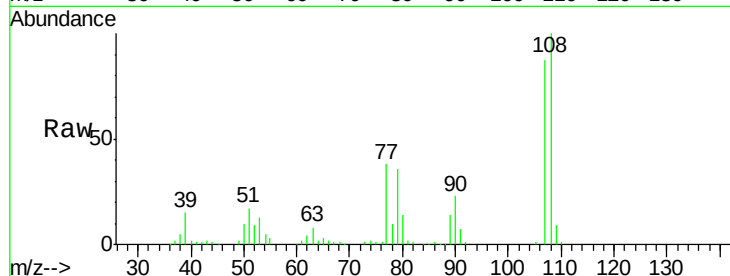
Ion Ratio Lower Upper

107 100

108 115.3 91.7 137.5

77 43.7 33.8 50.8

79 41.1 33.8 50.8

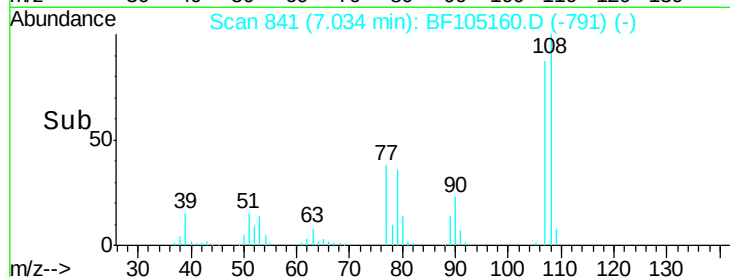


Abundance Ion 107.00 (106.70 to 107.70): E

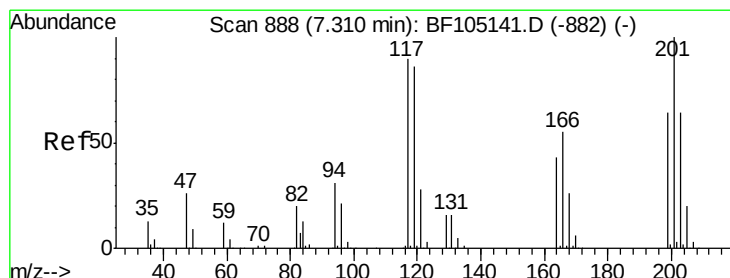
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->



#18

Hexachloroethane

Concen: 9.007 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

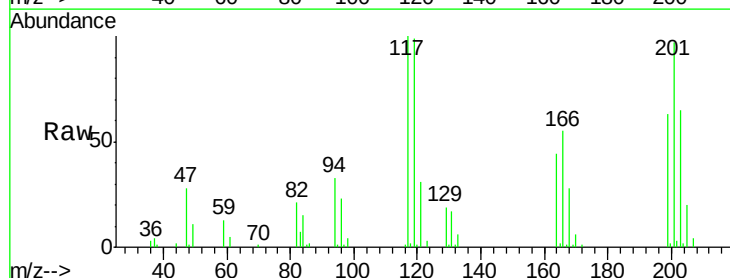
Tgt Ion:117 Resp: 46462

Ion Ratio Lower Upper

117 100

119 99.0 75.8 113.8

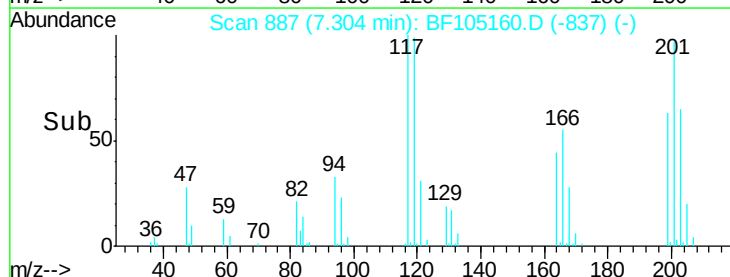
201 97.0 75.7 113.5



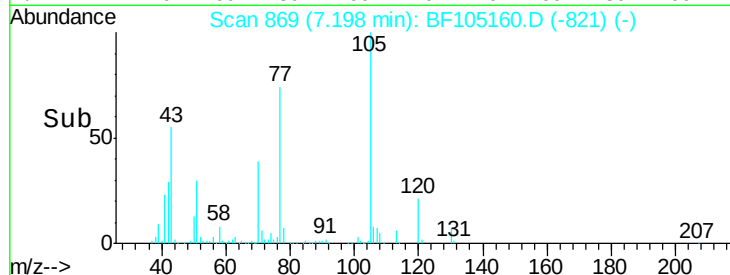
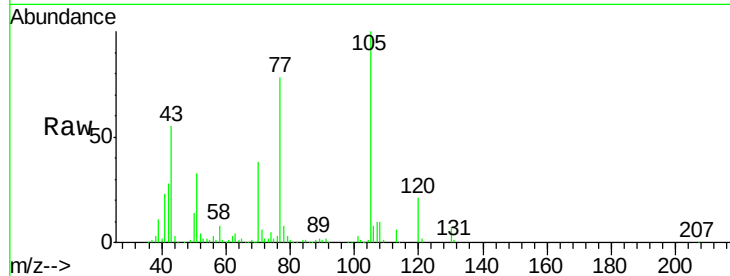
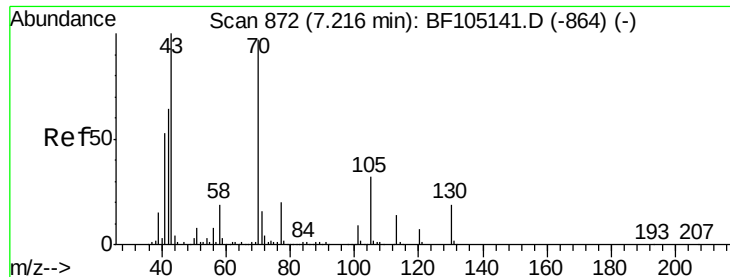
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



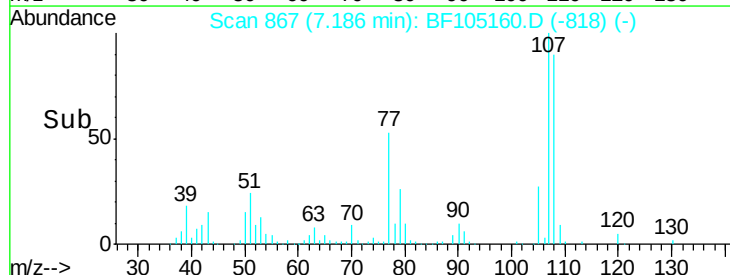
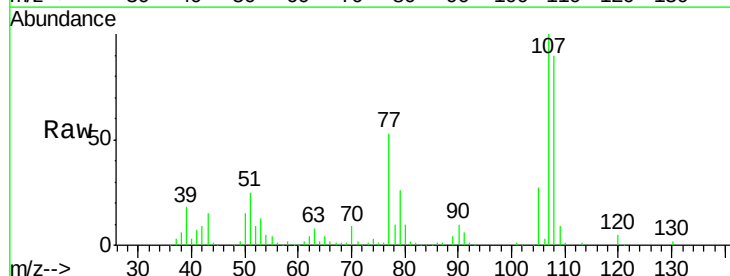
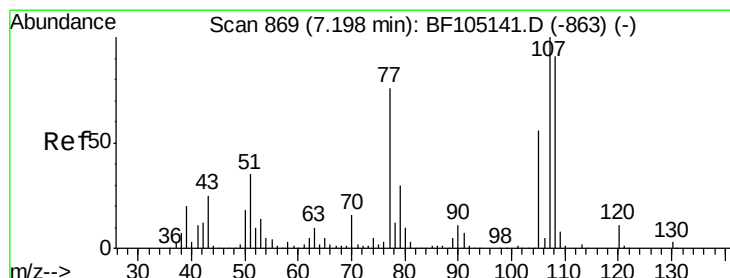
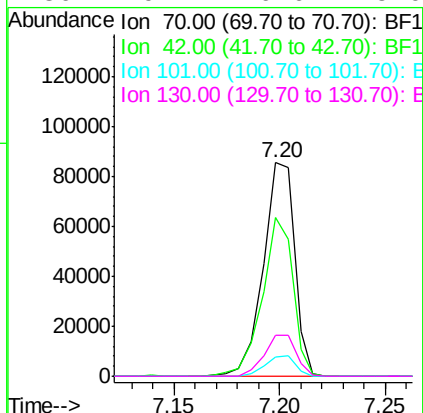
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 8.966 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.02 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

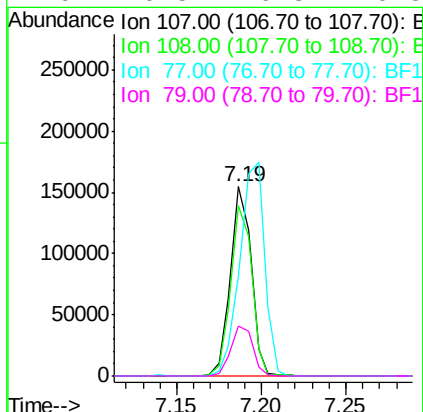
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

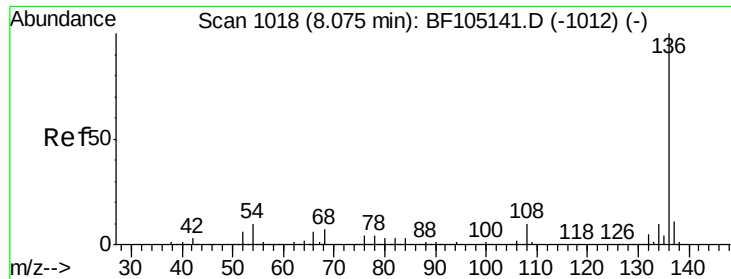
Tot Ion: 70 Resp: 88625
Ion Ratio Lower Upper
70 100
42 74.2 47.5 71.3#
101 8.9 7.4 11.2
130 19.4 16.6 25.0



#20
3+4-Methylphenols
Concen: 9.756 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion: 107 Resp: 131662
Ion Ratio Lower Upper
107 100
108 90.4 68.2 108.2
77 52.9 26.7 66.7
79 26.5 6.3 46.3

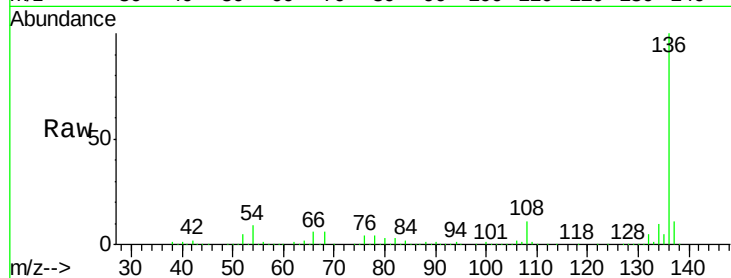




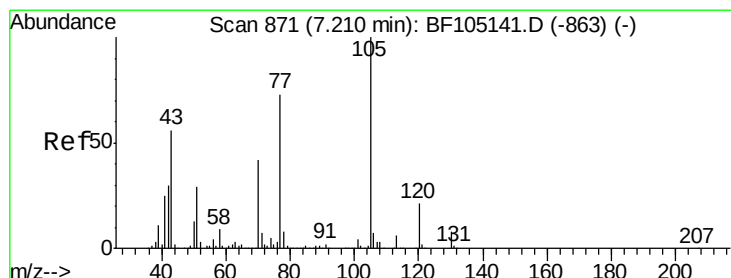
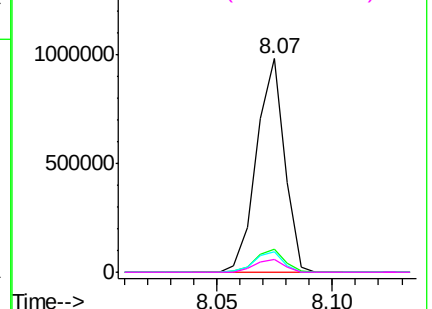
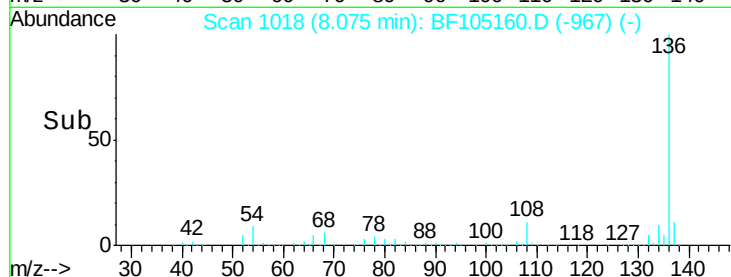
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

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

Tot Ion:136	Resp:	834505
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	9.3	6.6 9.8
68	6.1	5.0 7.4

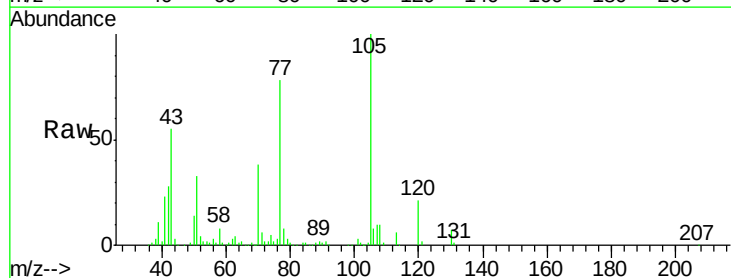


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

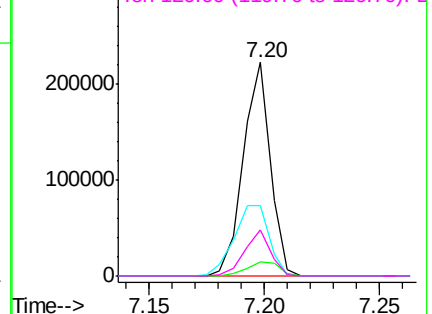
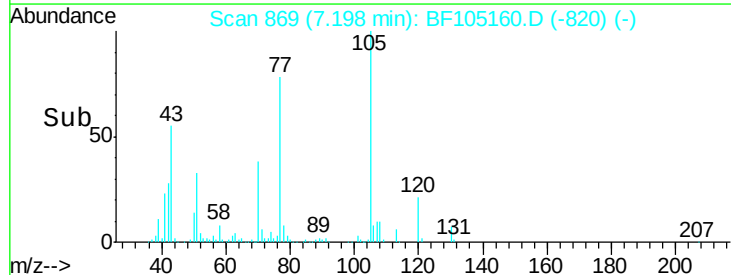


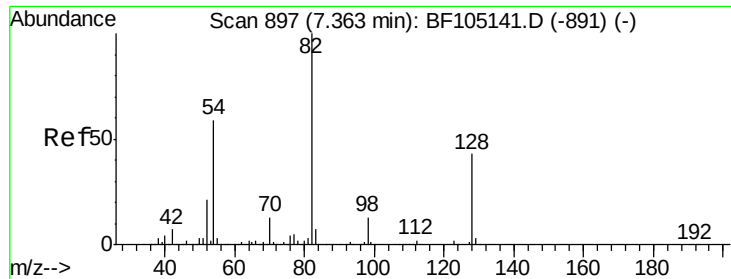
#22
Acetophenone
Concen: 9.391 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion:105	Resp:	182664
Ion Ratio	Lower	Upper
105	100	
71	6.4	4.4 6.6
51	32.8	22.3 33.5
120	21.3	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

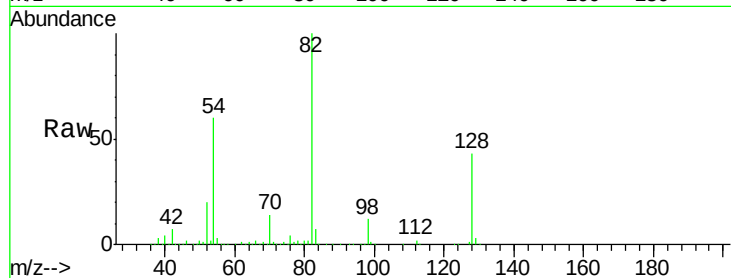




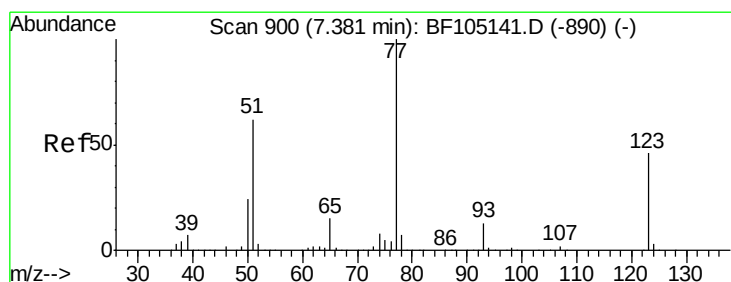
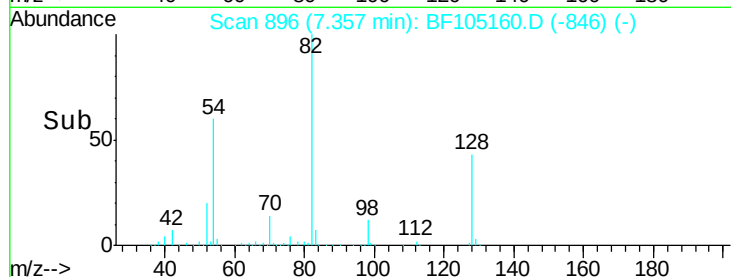
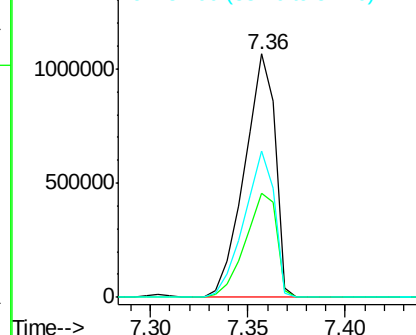
#23
Nitrobenzene-d5
Concen: 94.157 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

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

Tot Ion: 82 Resp: 1159369
Ion Ratio Lower Upper
82 100
128 42.6 36.1 54.1
54 60.1 41.4 62.2

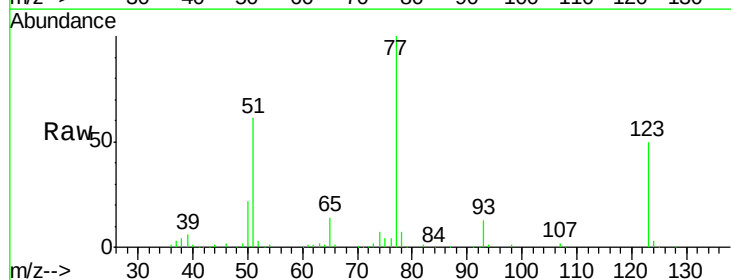


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

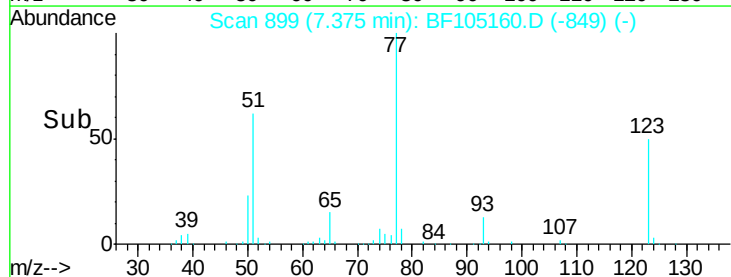
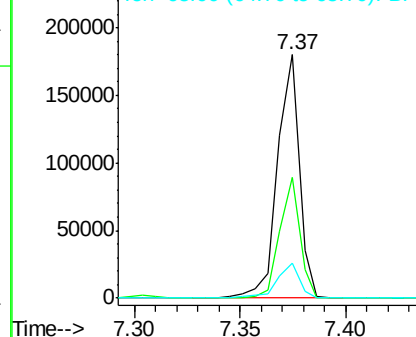


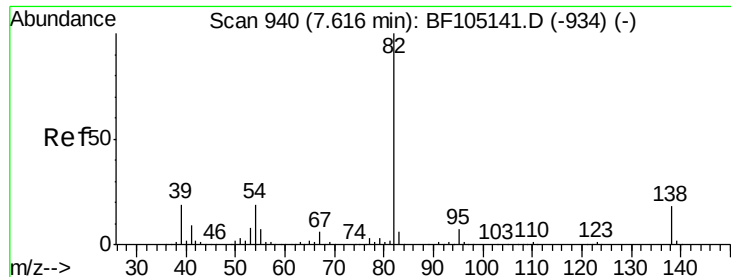
#24
Nitrobenzene
Concen: 9.284 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion: 77 Resp: 129613
Ion Ratio Lower Upper
77 100
123 49.8 37.9 56.9
65 14.3 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: 7.932 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

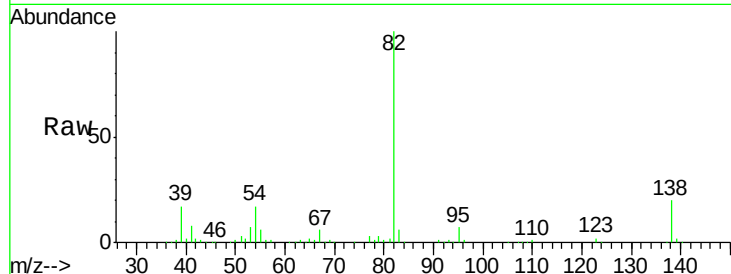
Tot Ion: 82 Resp: 218418

Ion Ratio Lower Upper

82 100

95 7.0 5.2 7.8

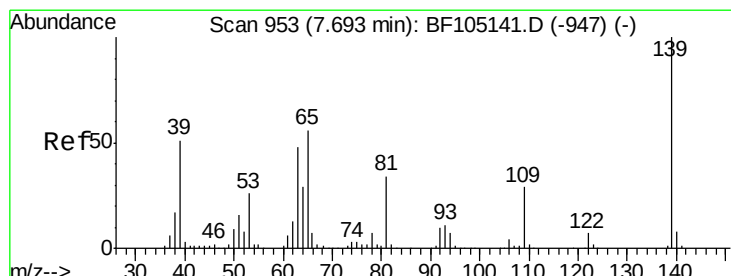
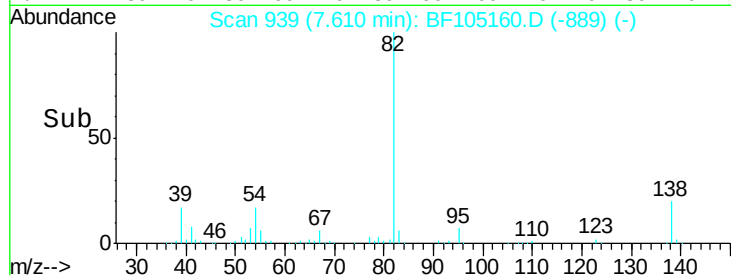
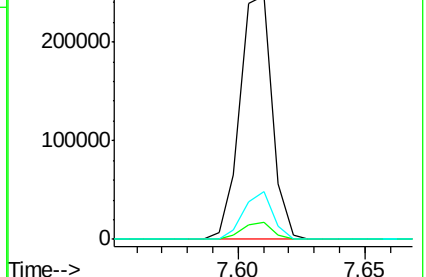
138 19.6 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 16.608 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

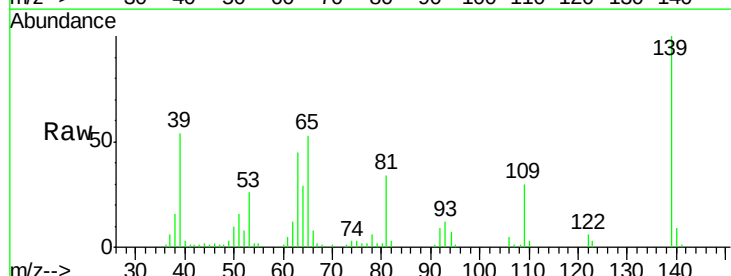
Tgt Ion: 139 Resp: 47056

Ion Ratio Lower Upper

139 100

109 30.3 22.7 34.1

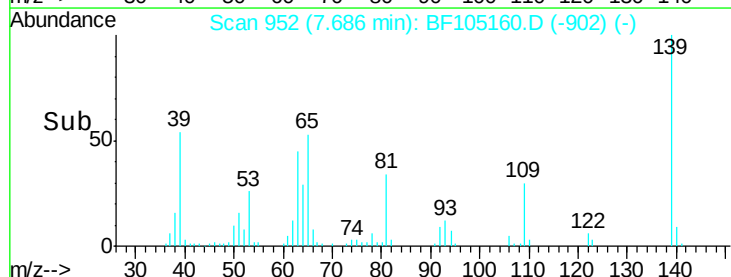
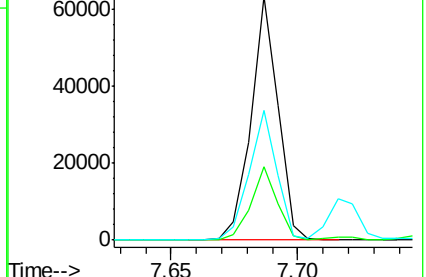
65 53.5 40.5 60.7

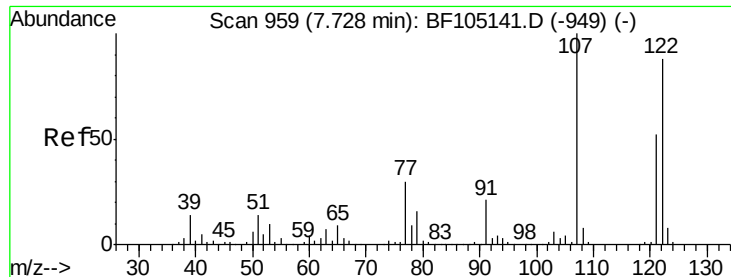


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

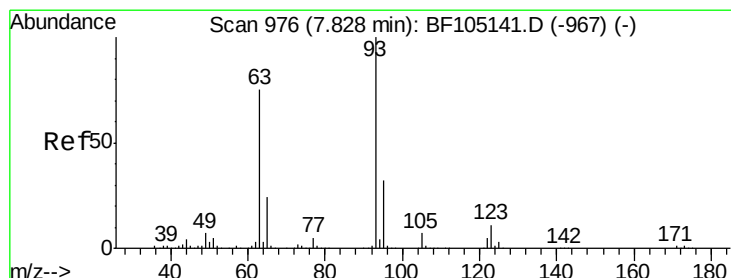
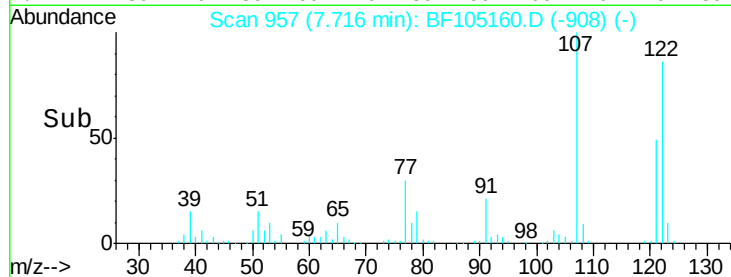
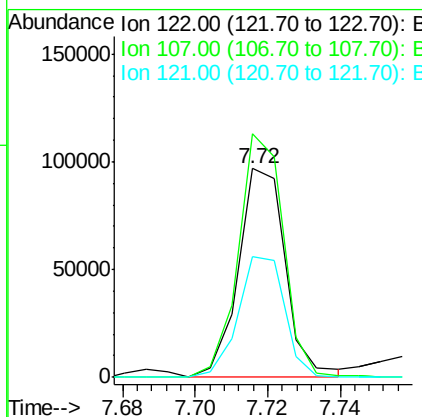
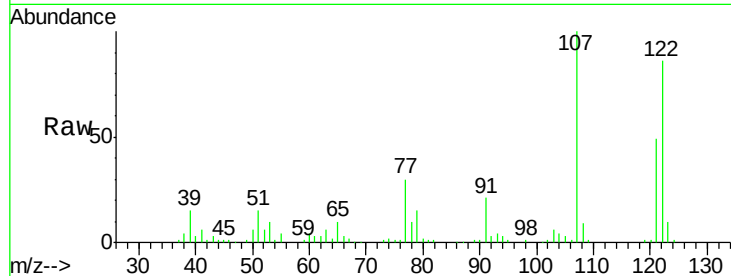




#27
 2,4-Dimethylphenol
 Concen: 7.125 ng
 RT: 7.72 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

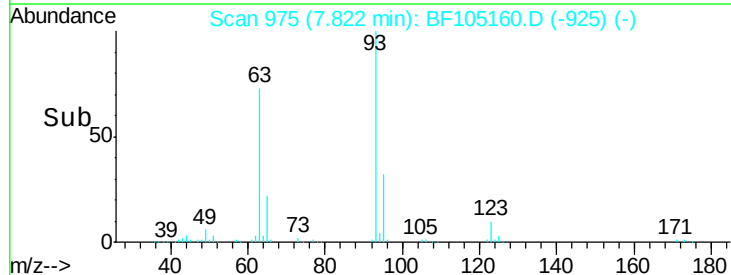
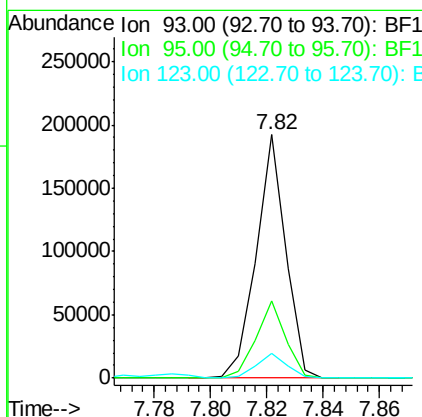
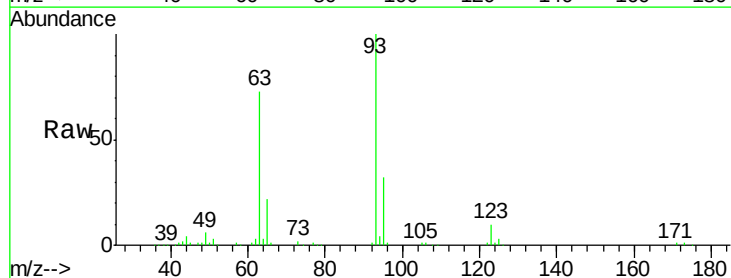
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

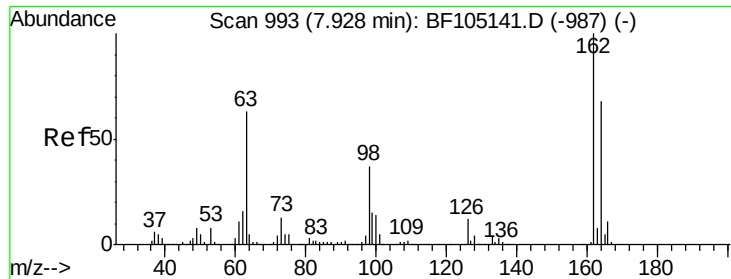
Tot Ion:122 Resp: 87186
 Ion Ratio Lower Upper
 122 100
 107 116.7 91.2 136.8
 121 57.7 47.2 70.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 8.165 ng
 RT: 7.82 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

Tgt Ion: 93 Resp: 138760
 Ion Ratio Lower Upper
 93 100
 95 31.6 26.3 39.5
 123 10.2 9.8 14.6

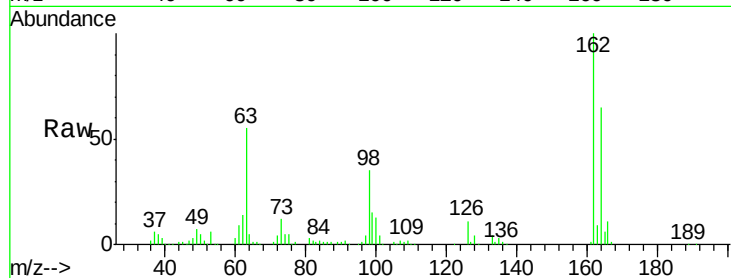




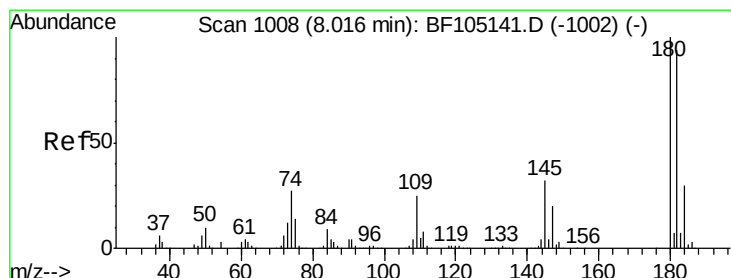
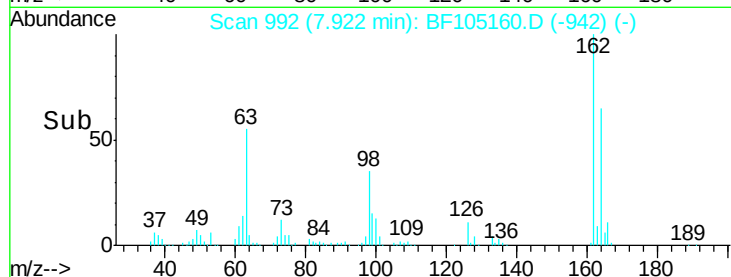
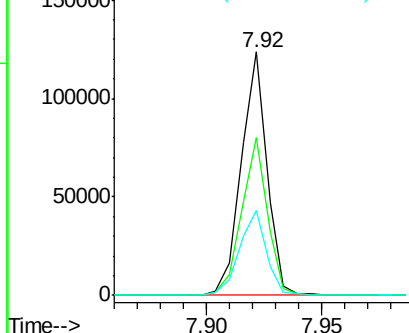
#29
 2,4-Dichlorophenol
 Concen: 8.414 ng
 RT: 7.92 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.6	42.7	82.7
98	34.7	18.1	58.1

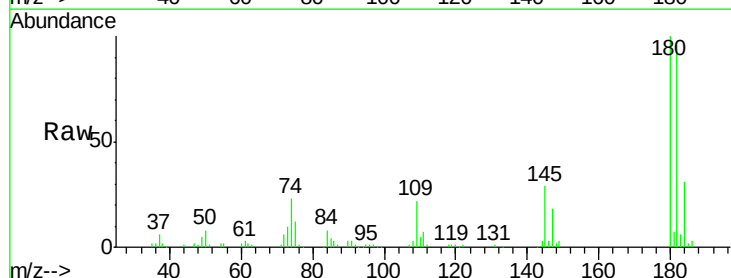


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

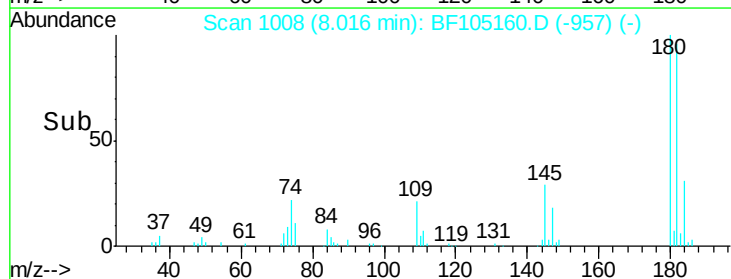
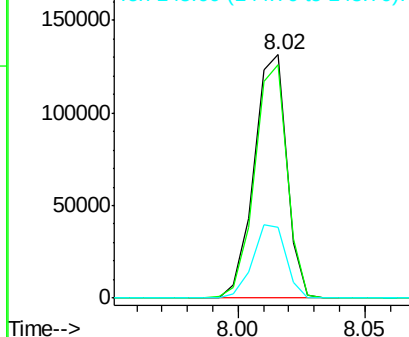


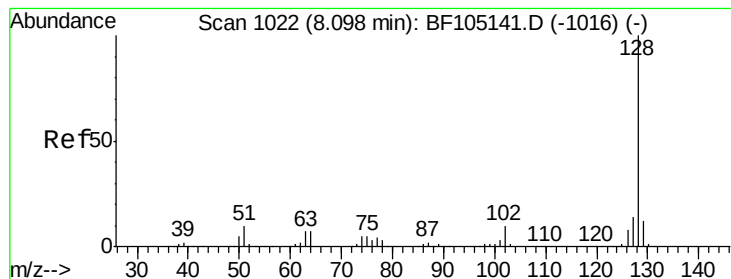
#30
 1,2,4-Trichlorobenzene
 Concen: 9.006 ng
 RT: 8.02 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
145	29.2	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: 9.052 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

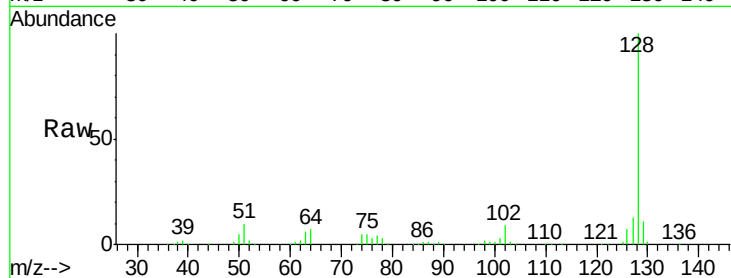
Tot Ion:128 Resp: 363736

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

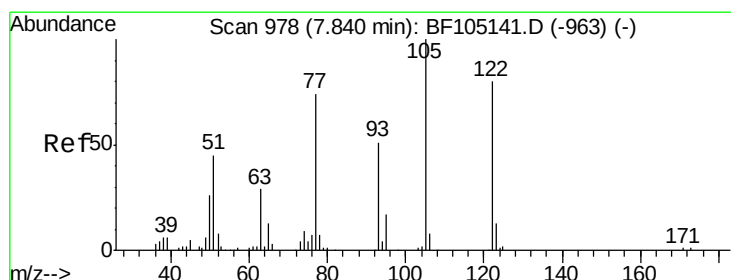
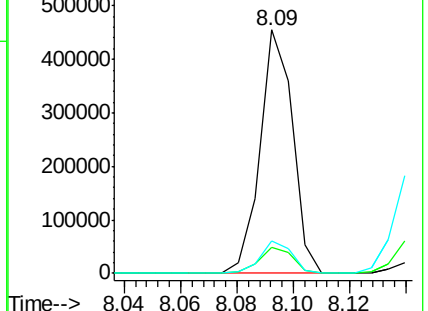
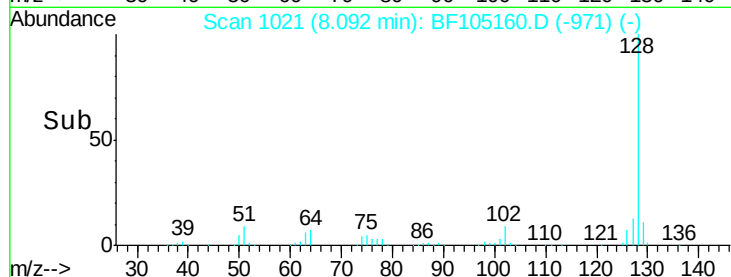
127 13.1 10.9 16.3



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: 16.814 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.05 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

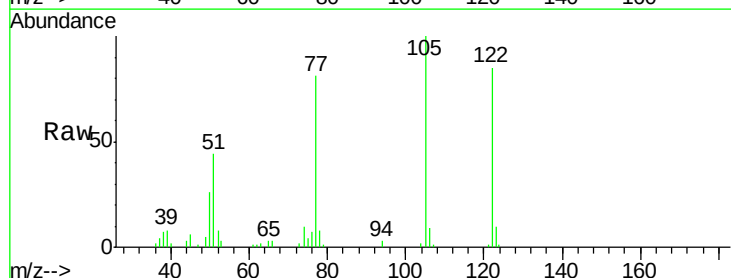
Tgt Ion:122 Resp: 58674

Ion Ratio Lower Upper

122 100

105 117.0 101.1 141.1

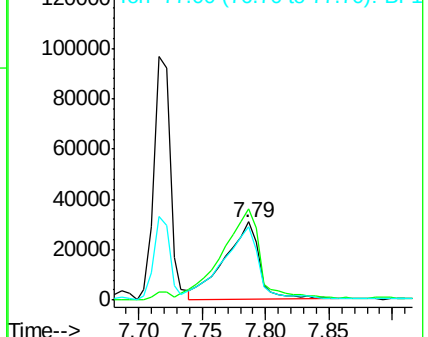
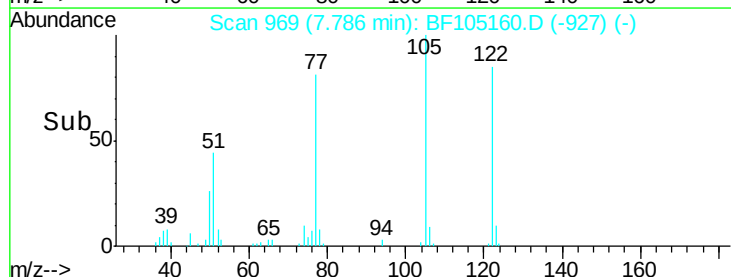
77 94.3 70.7 110.7

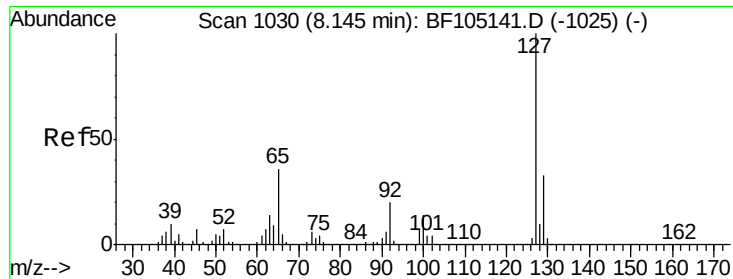


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

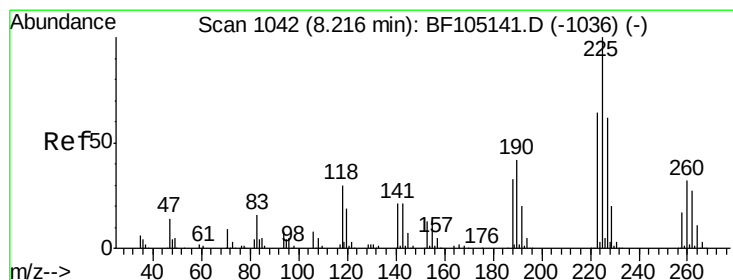
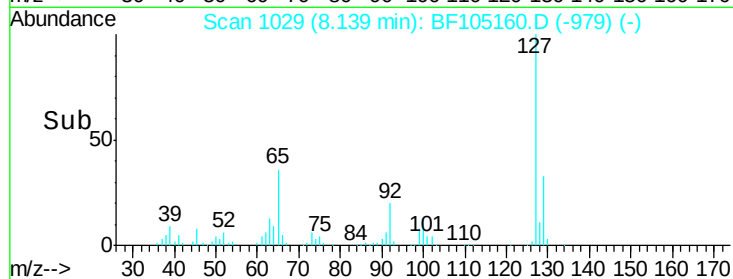
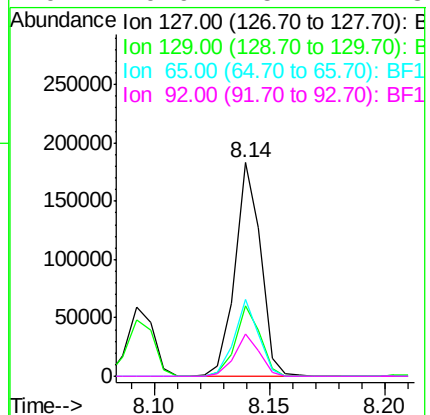
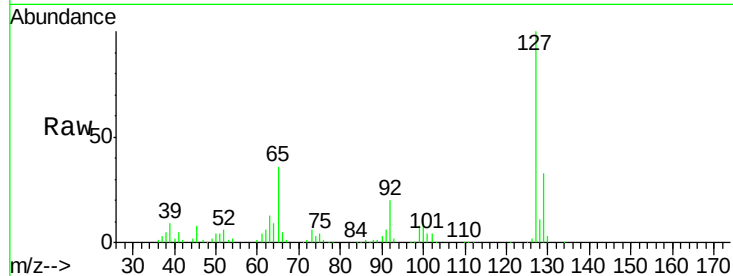




#33
4-Chloroaniline
Concen: 8.481 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

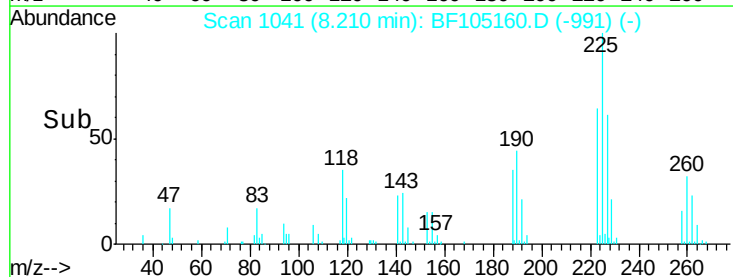
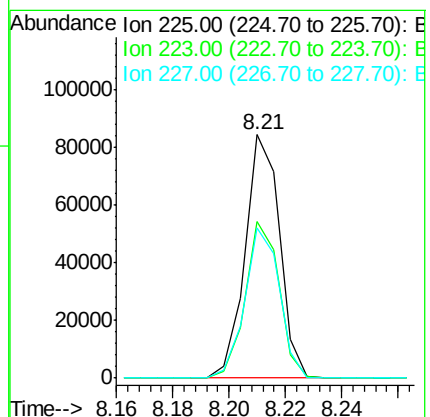
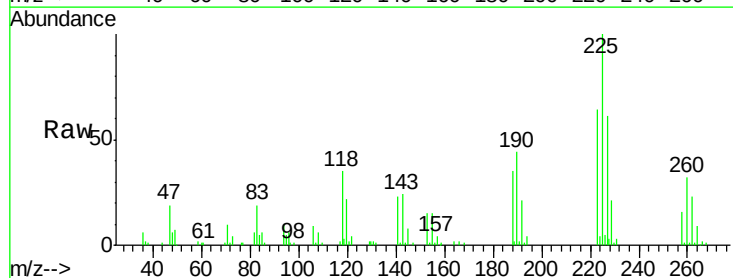
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

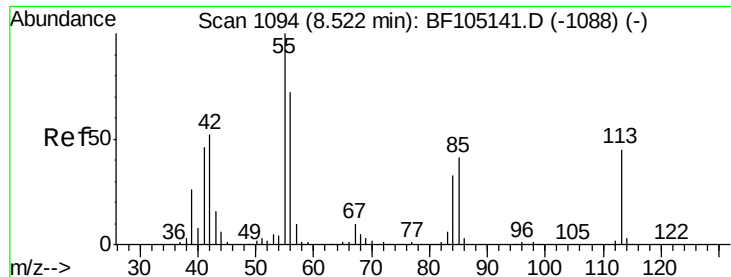
Tot Ion:	127	Resp:	141712
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.9	38.9
65	35.9	25.0	37.4
92	19.9	15.2	22.8



#34
Hexachlorobutadiene
Concen: 9.325 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion:	225	Resp:	71328
Ion	Ratio	Lower	Upper
225	100		
223	64.3	50.6	76.0
227	61.5	51.9	77.9

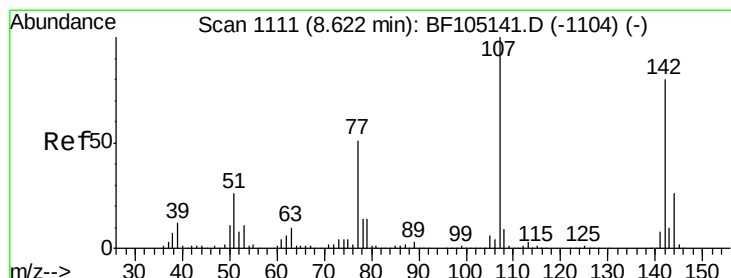
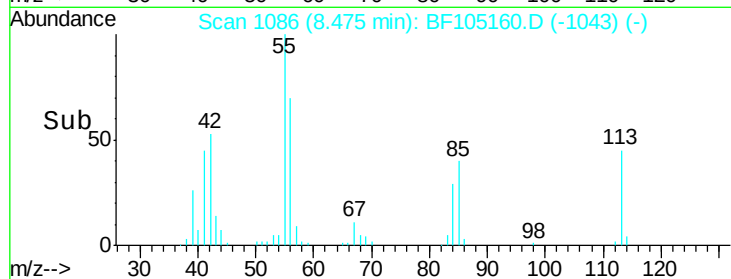
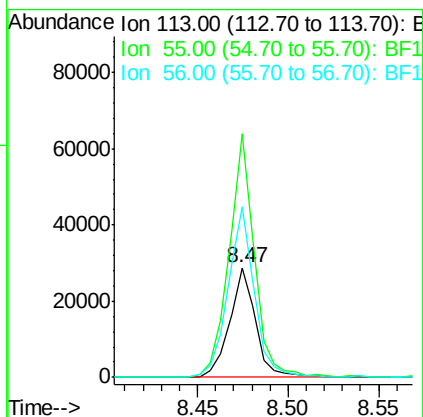
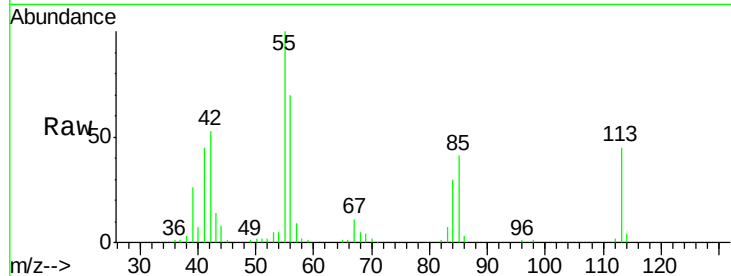




#35
Caprolactam
Concen: 8.199 ng
RT: 8.47 min Scan# 1086
Delta R.T. -0.05 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

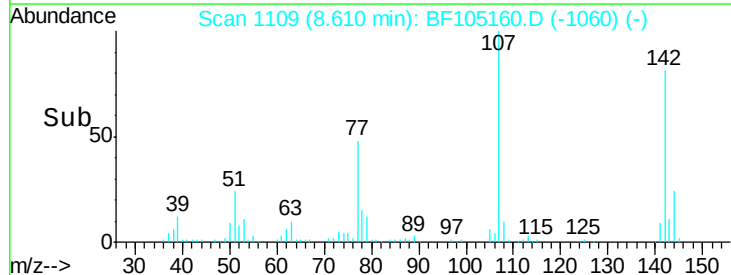
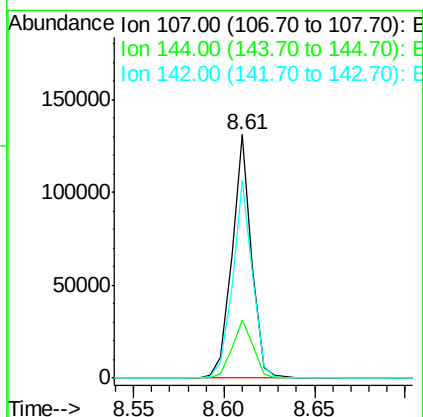
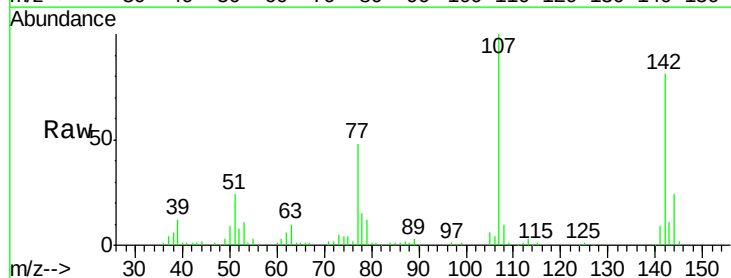
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

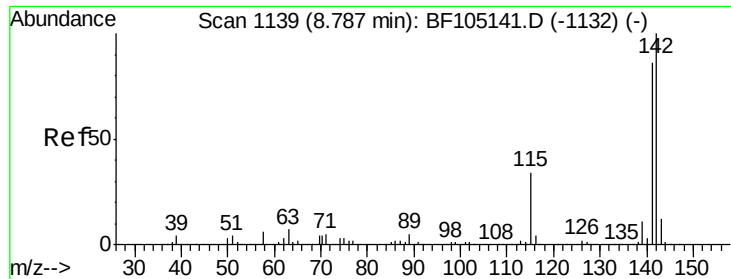
Tot Ion:113 Resp: 28508
Ion Ratio Lower Upper
113 100
55 222.4 163.3 203.3#
56 156.3 115.7 155.7#



#36
4-Chloro-3-methylphenol
Concen: 8.223 ng
RT: 8.61 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion:107 Resp: 98012
Ion Ratio Lower Upper
107 100
144 24.0 20.5 30.7
142 81.0 62.0 93.0

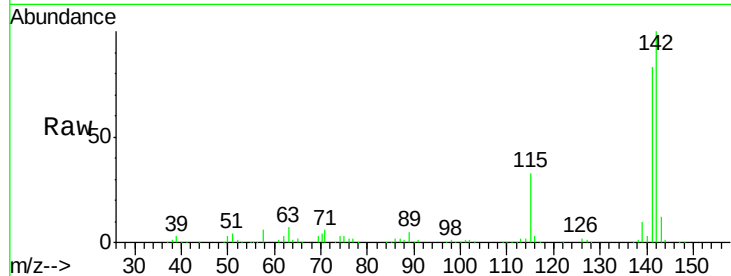




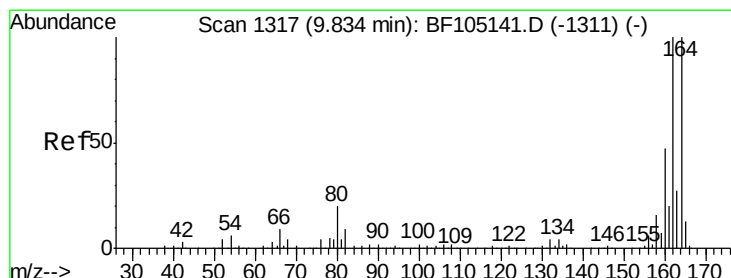
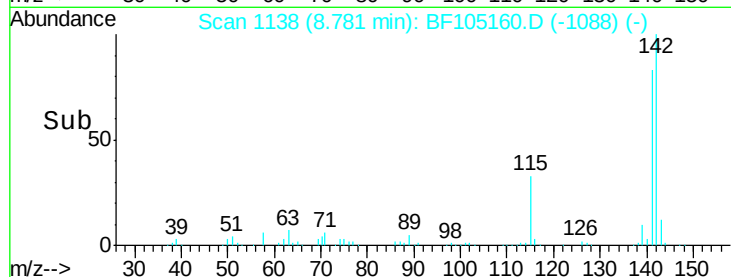
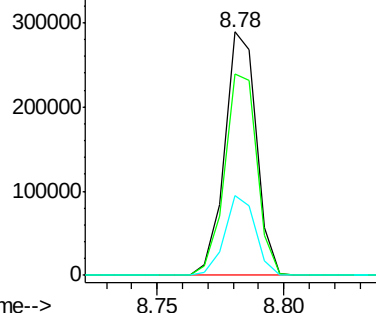
#37
2-Methylnaphthalene
Concen: 9.000 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	82.8	70.8	106.2
115	32.6	26.1	39.1

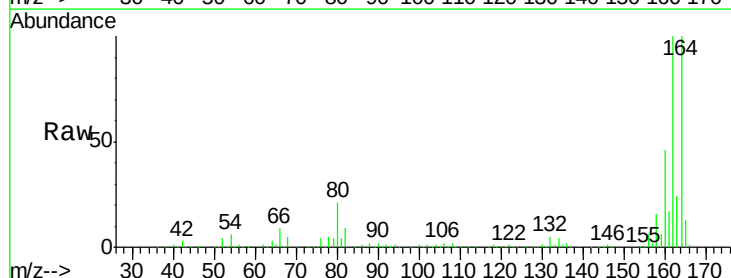


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

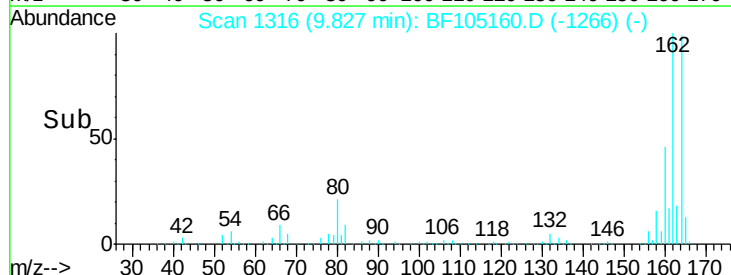
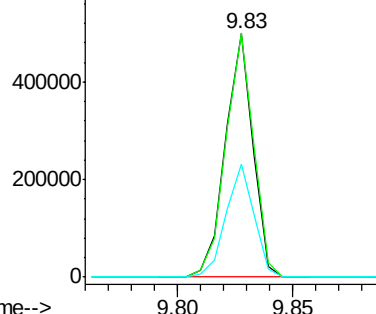


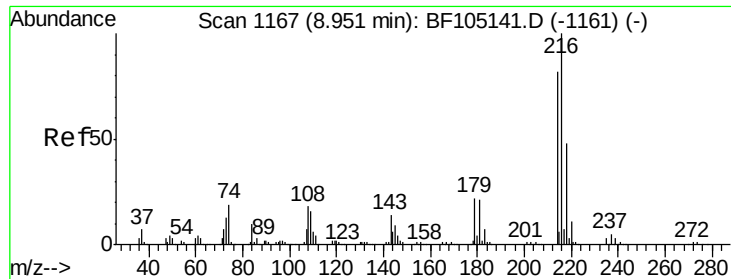
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	86.1	129.1
160	46.5	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: 9.198 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:216 Resp: 121768

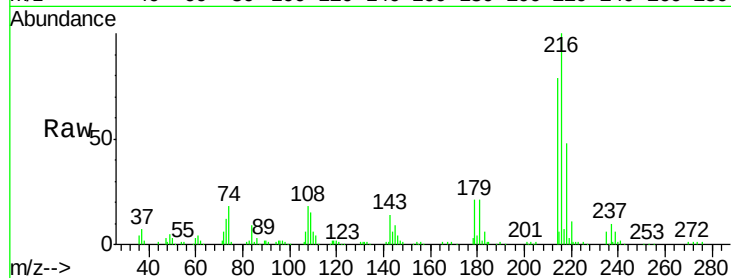
Ion Ratio Lower Upper

216 100

214 77.8 63.0 94.4

179 21.0 18.1 27.1

108 18.0 17.2 25.8

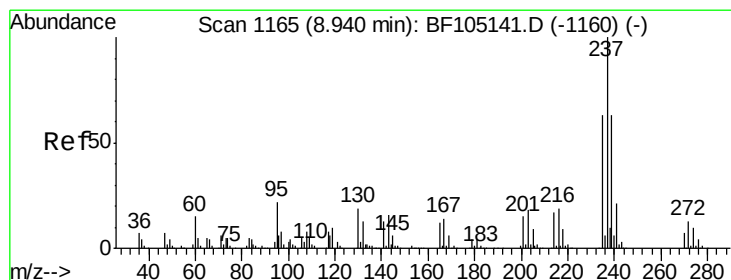
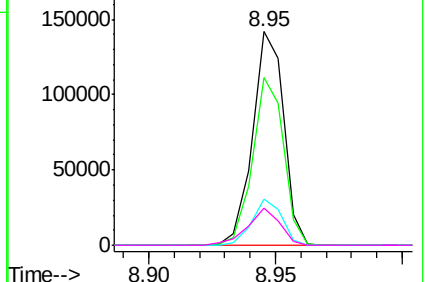
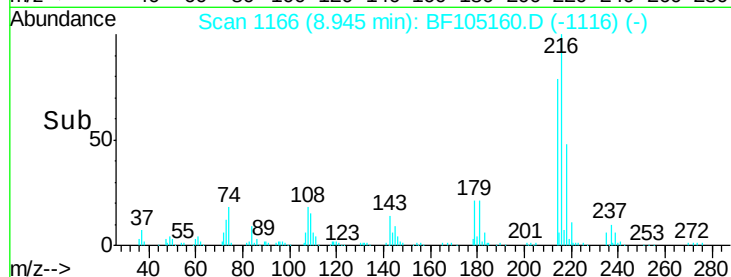


Abundance Ion 216.00 (215.70 to 216.70): E

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: 7.785 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

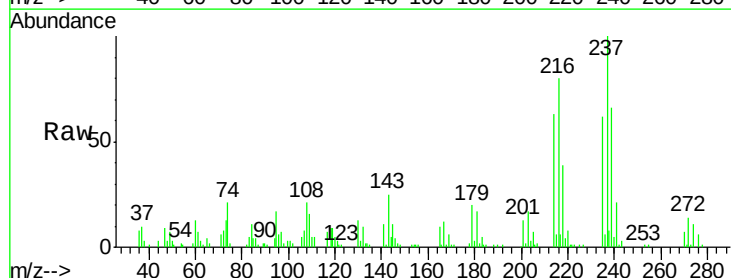
Tgt Ion:237 Resp: 55730

Ion Ratio Lower Upper

237 100

235 62.3 44.8 84.8

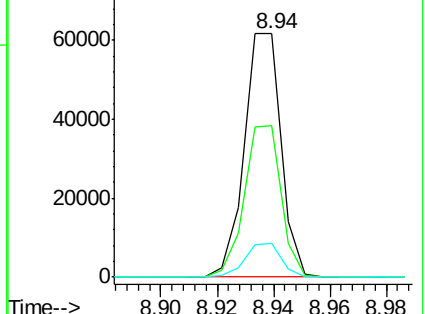
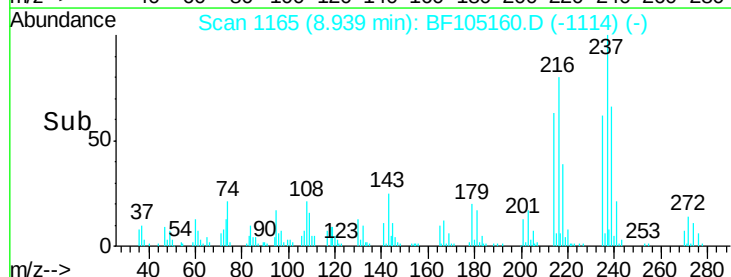
272 13.8 0.0 33.3

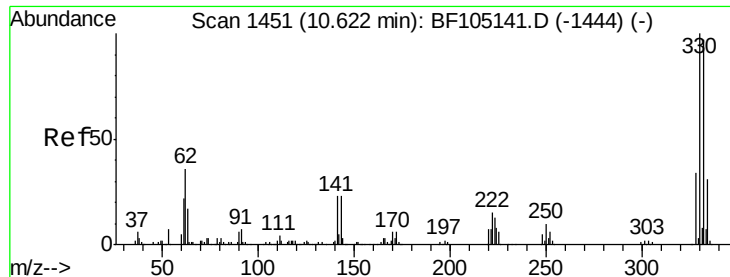


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 132.574 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

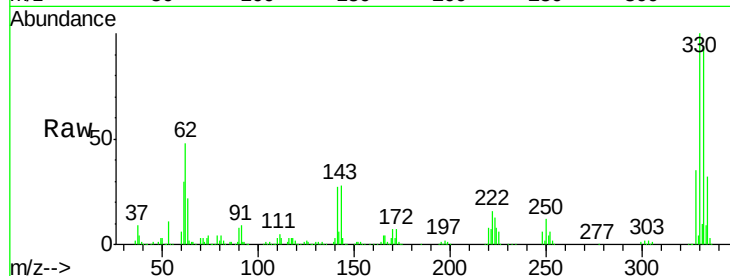
Tot Ion:330 Resp: 608493

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

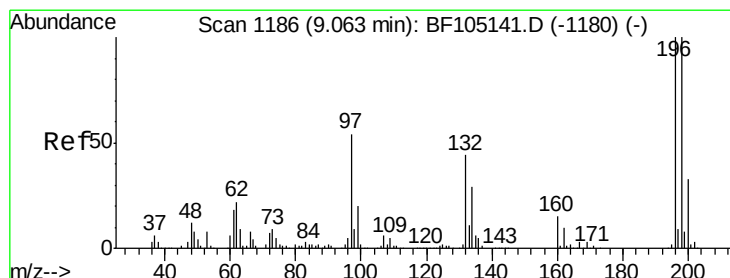
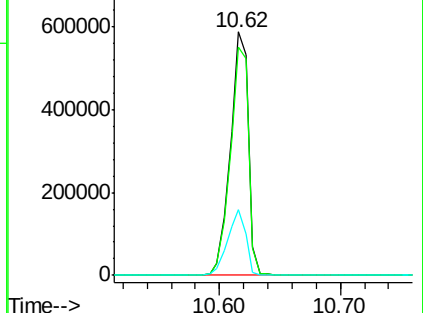
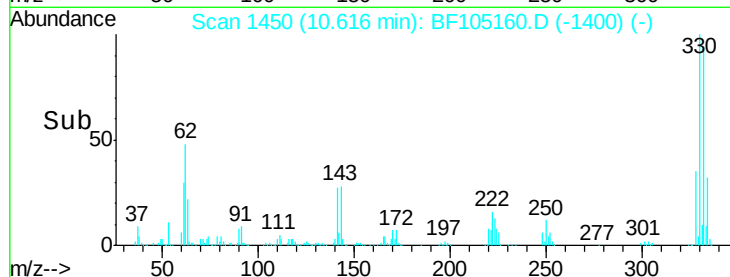
141 27.1 29.9 44.9#



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: 8.199 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

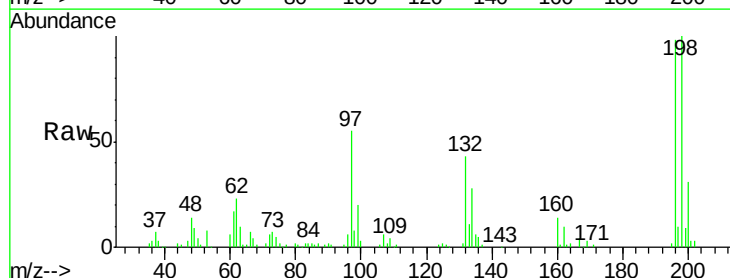
Tgt Ion:196 Resp: 66220

Ion Ratio Lower Upper

196 100

198 102.2 75.7 113.5

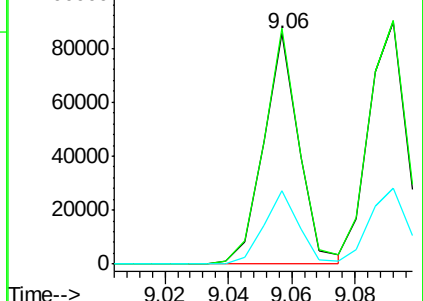
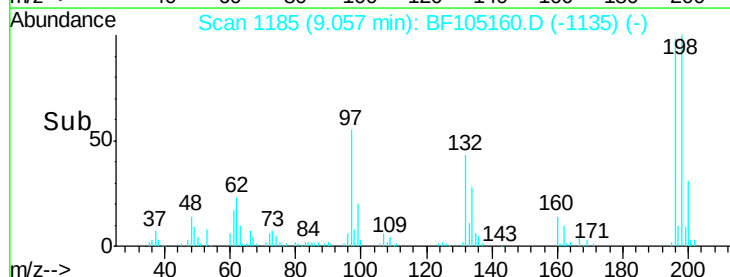
200 31.9 24.5 36.7

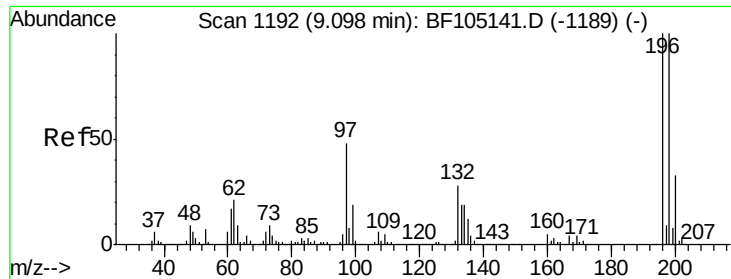


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

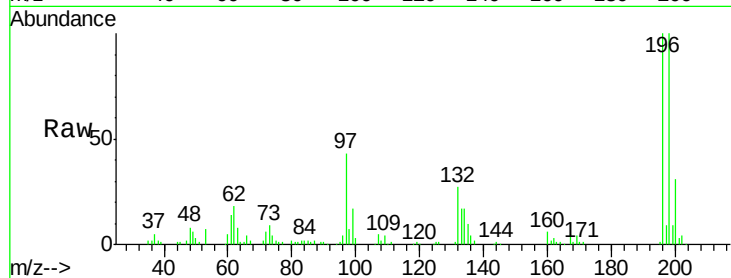




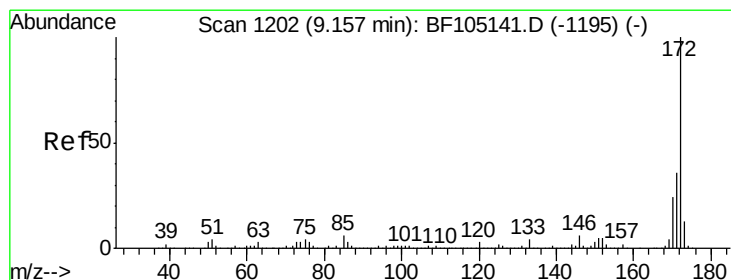
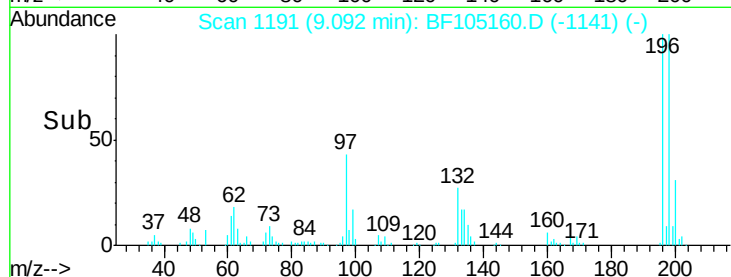
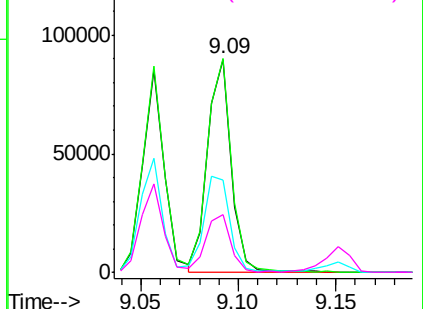
#43
 2,4,5-Trichlorophenol
 Concen: 8.976 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

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

Tot Ion:196 Resp: 75757
 Ion Ratio Lower Upper
 196 100
 198 100.3 74.6 112.0
 97 43.4 42.9 64.3
 132 27.4 26.3 39.5

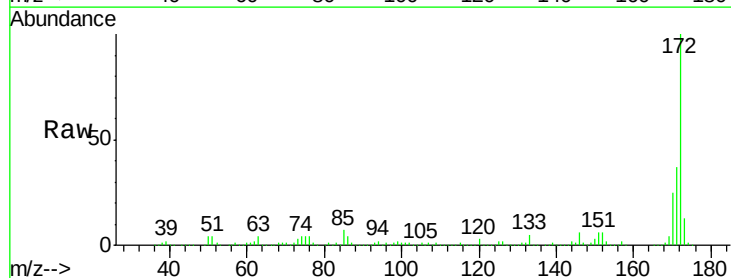


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

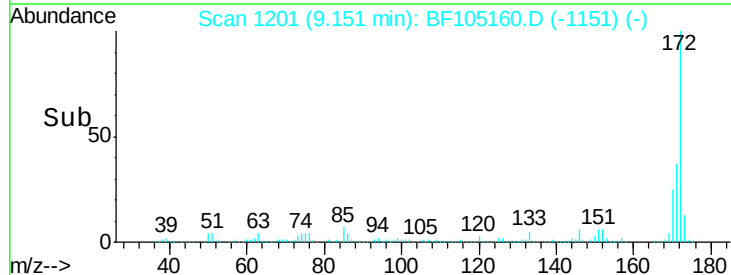
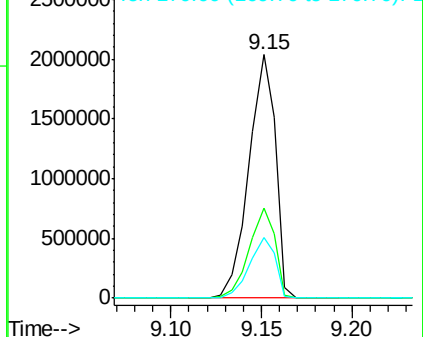


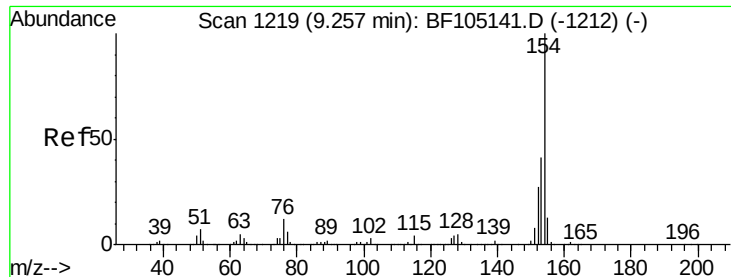
#44
 2-Fluorobiphenyl
 Concen: 77.324 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

Tgt Ion:172 Resp: 2072563
 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: 9.734 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

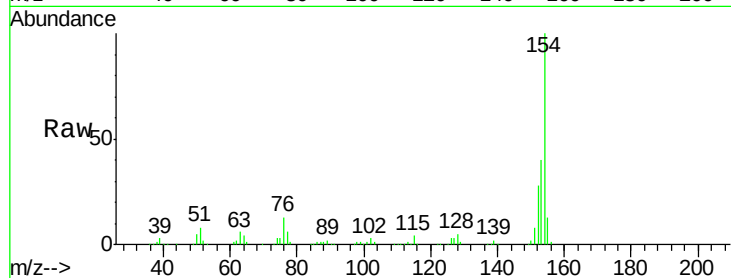
Tot Ion:154 Resp: 329929

Ion Ratio Lower Upper

154 100

153 39.9 21.3 61.3

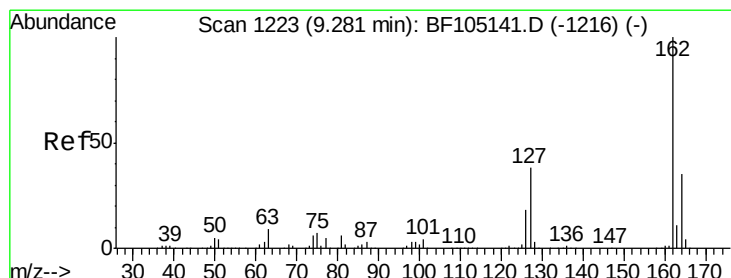
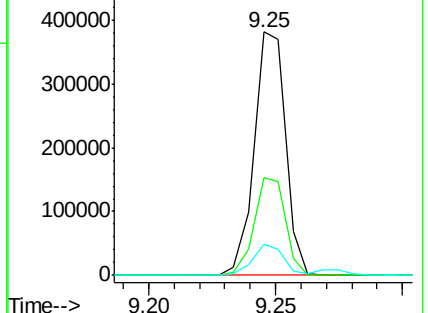
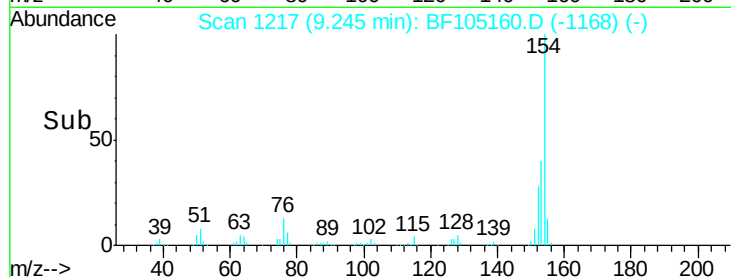
76 13.0 0.0 34.0



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: 9.433 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

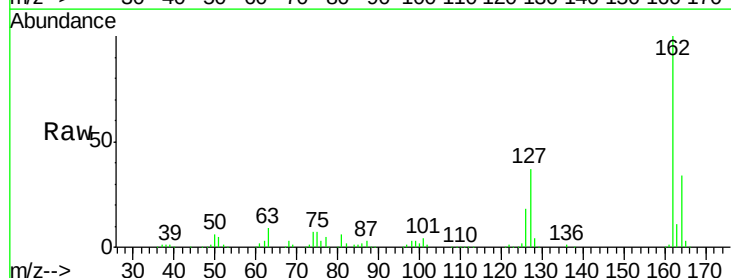
Tgt Ion:162 Resp: 238964

Ion Ratio Lower Upper

162 100

127 37.0 33.9 50.9

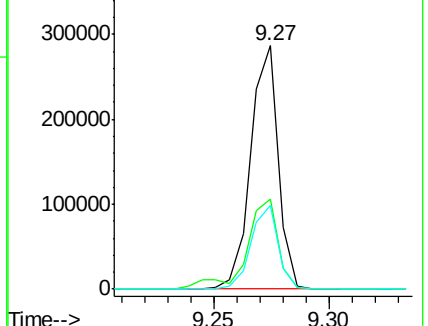
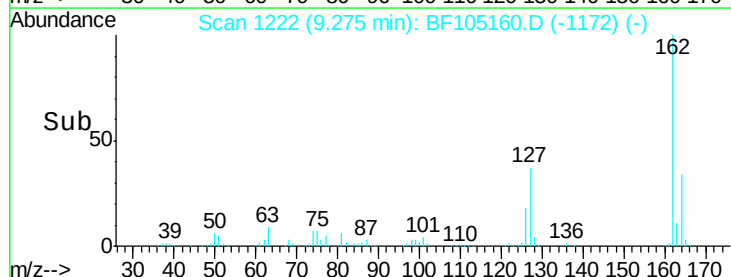
164 34.4 26.5 39.7

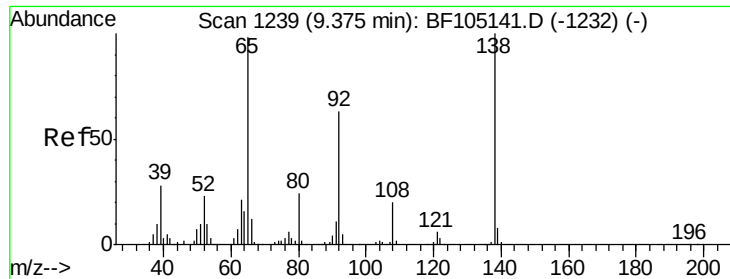


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 13.124 ng

RT: 9.36 min Scan# 1237

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

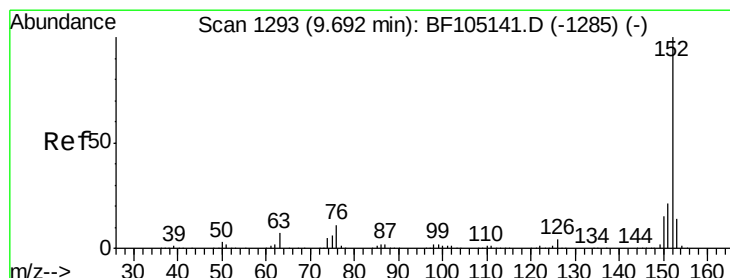
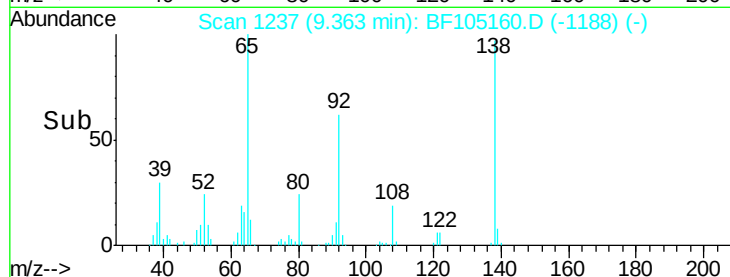
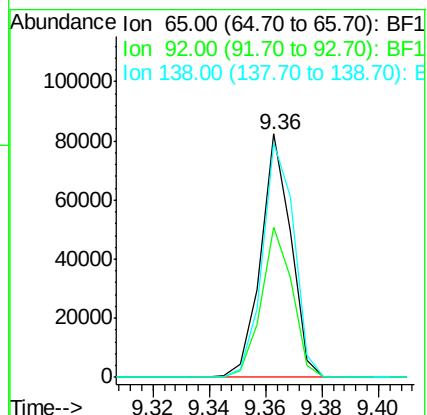
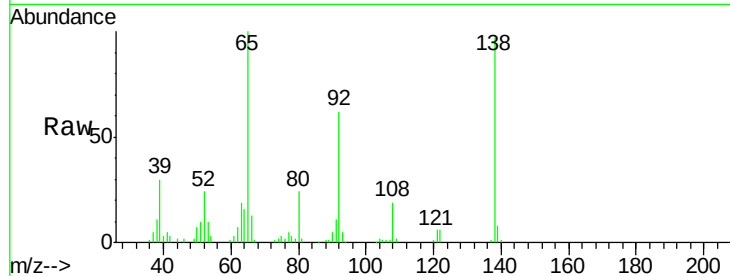
Tot Ion: 65 Resp: 60790

Ion Ratio Lower Upper

65 100

92 61.9 55.8 83.6

138 96.6 91.2 136.8



#48

Acenaphthylene

Concen: 9.361 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

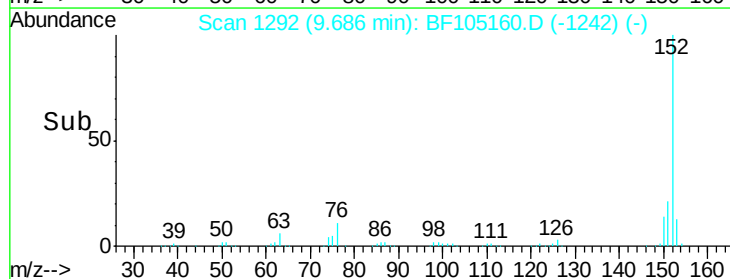
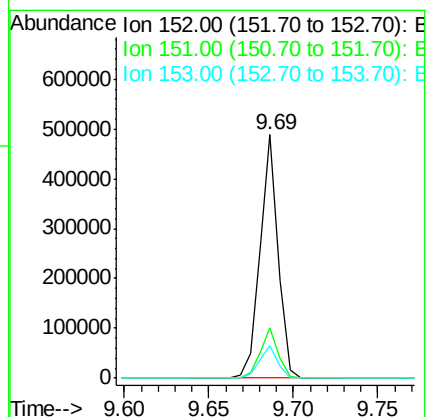
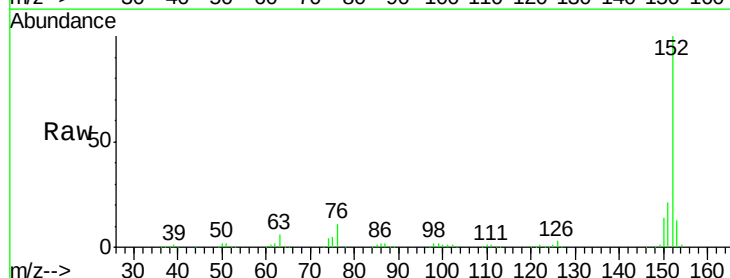
Tgt Ion: 152 Resp: 366288

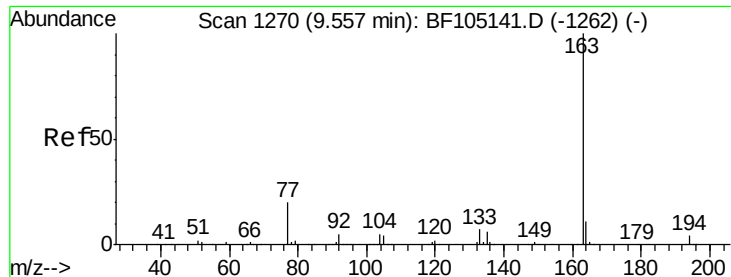
Ion Ratio Lower Upper

152 100

151 20.8 16.3 24.5

153 13.4 10.7 16.1

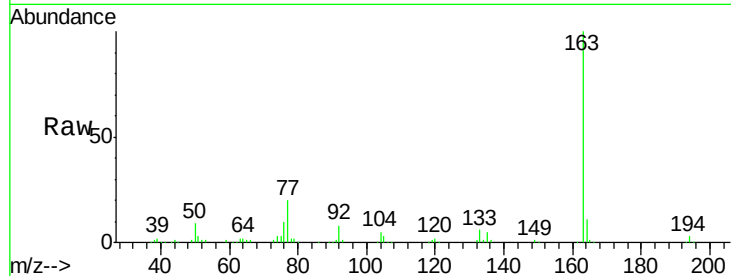




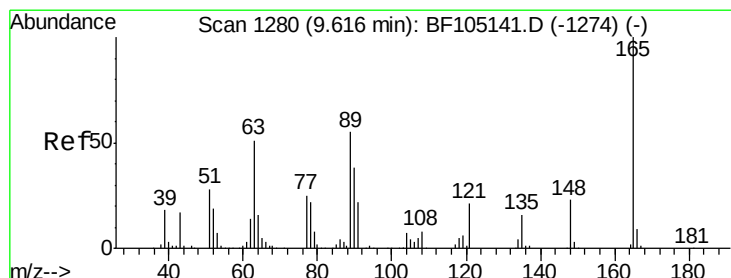
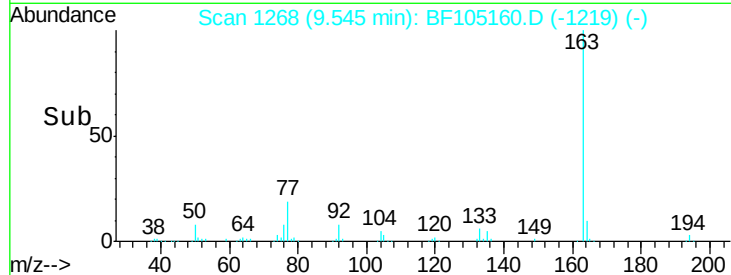
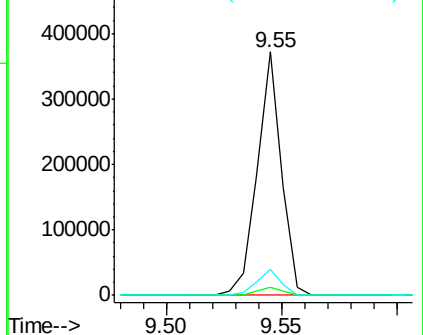
#49
Dimethylphthalate
Concen: 9.659 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

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

Tot Ion:163 Resp: 272025
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.9 8.2 12.2

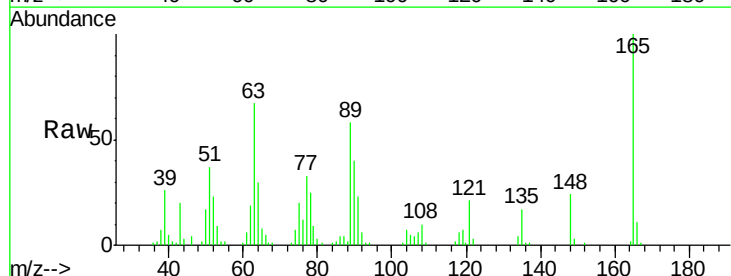


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

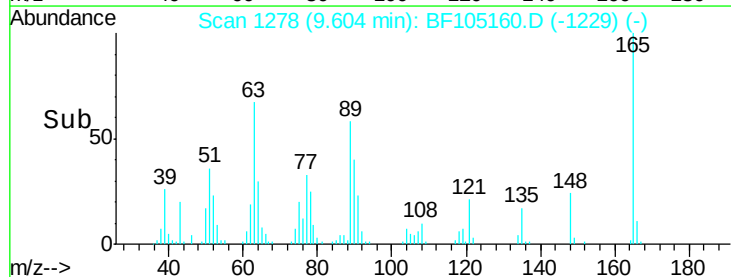
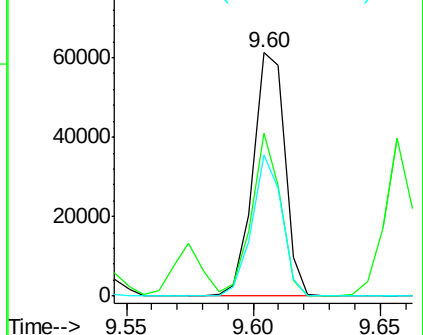


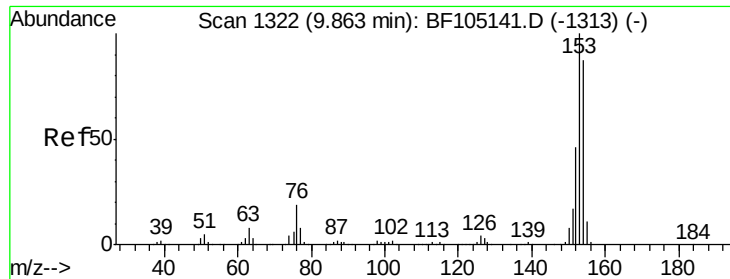
#50
2,6-Dinitrotoluene
Concen: 8.860 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion:165 Resp: 54144
Ion Ratio Lower Upper
165 100
63 66.7 44.7 67.1
89 58.2 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: 9.448 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

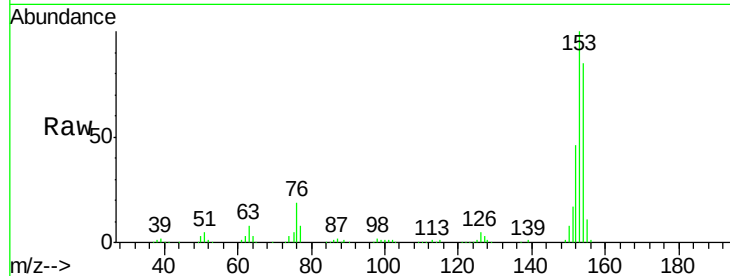
Tot Ion:154 Resp: 238238

Ion Ratio Lower Upper

154 100

153 117.2 91.2 136.8

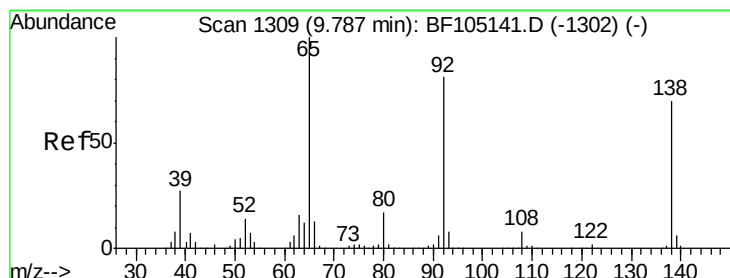
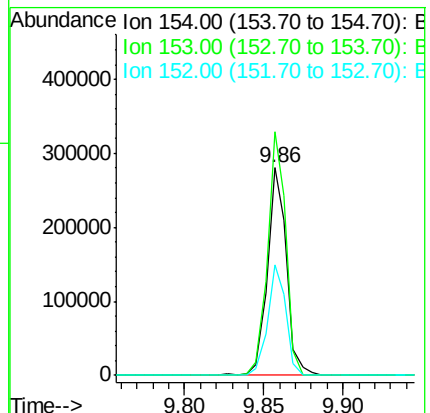
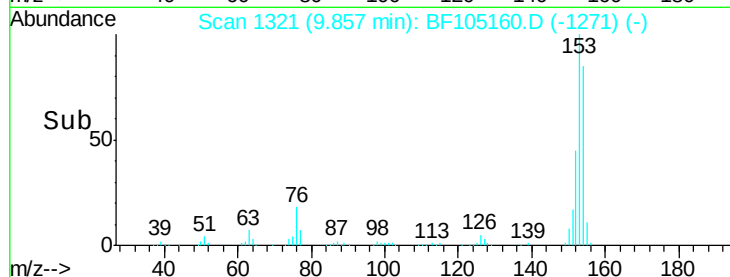
152 53.5 43.8 65.8



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: 9.216 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

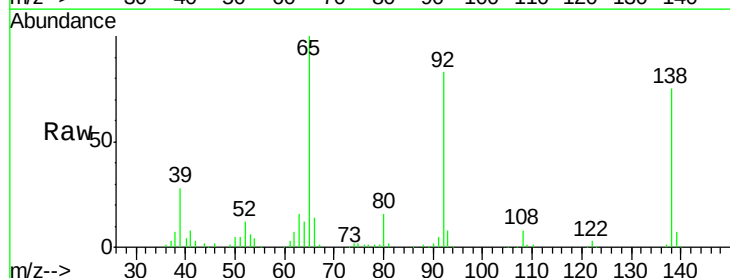
Tgt Ion:138 Resp: 59323

Ion Ratio Lower Upper

138 100

108 10.8 9.4 14.0

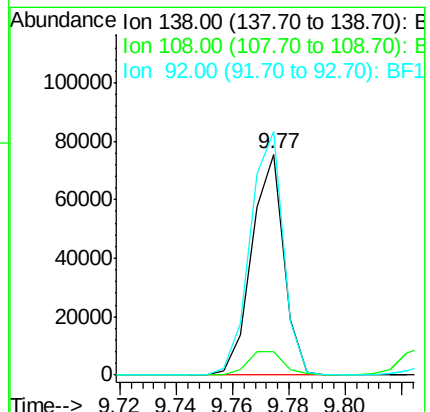
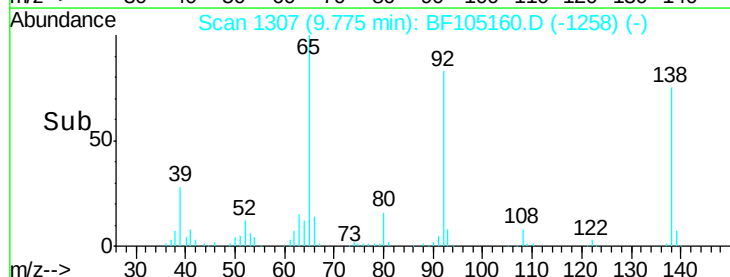
92 110.4 89.4 134.2

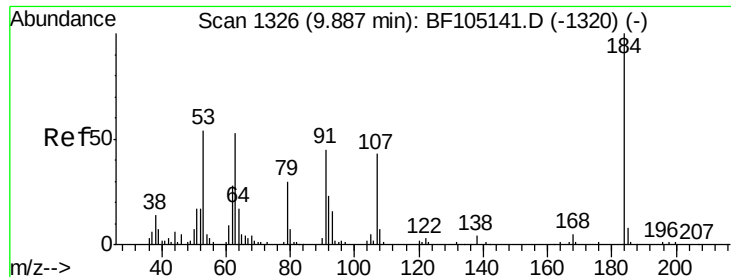


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

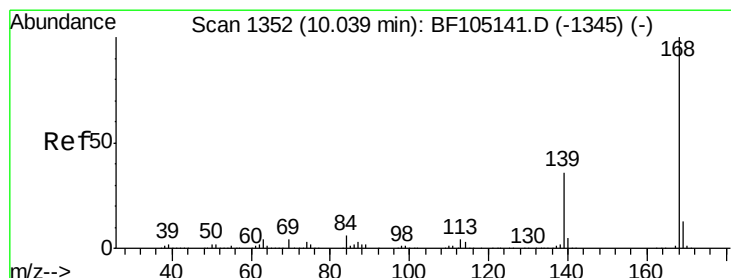
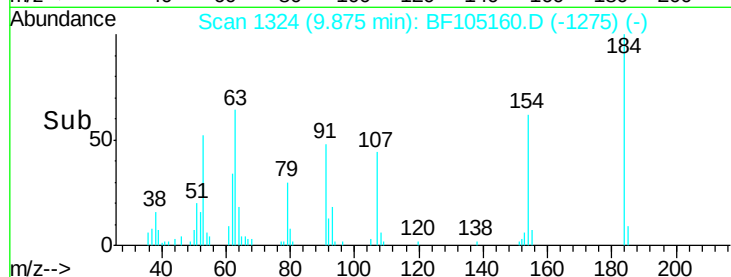
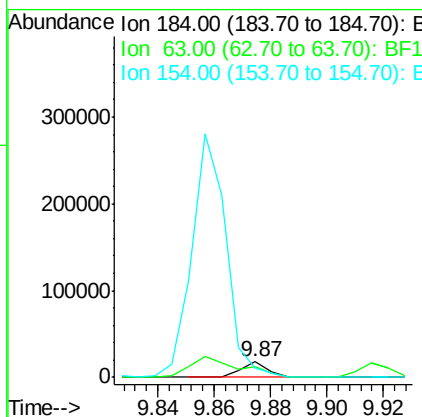
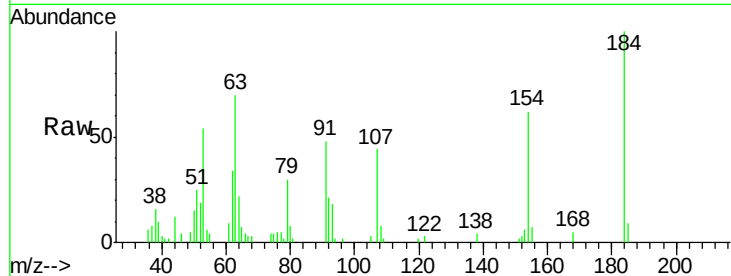




#53
2,4-Dinitrophenol
Concen: 16.434 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

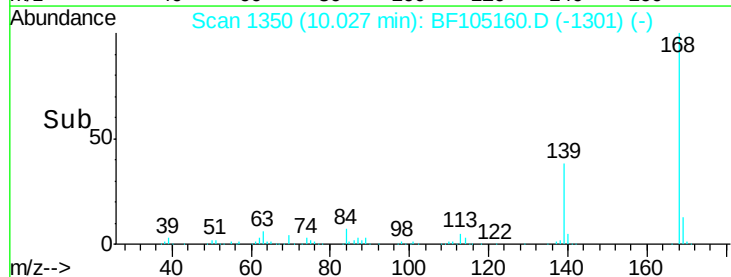
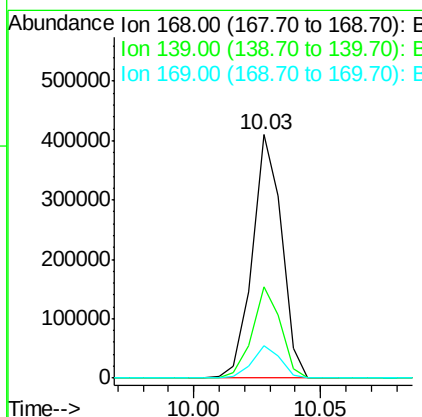
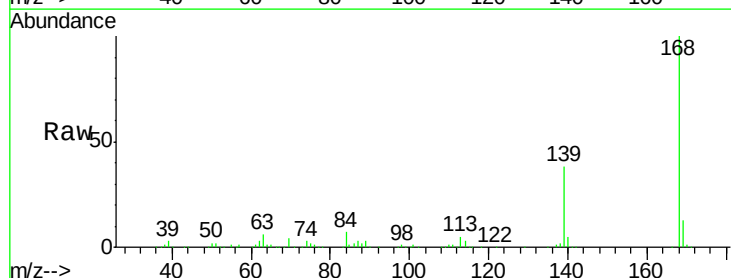
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

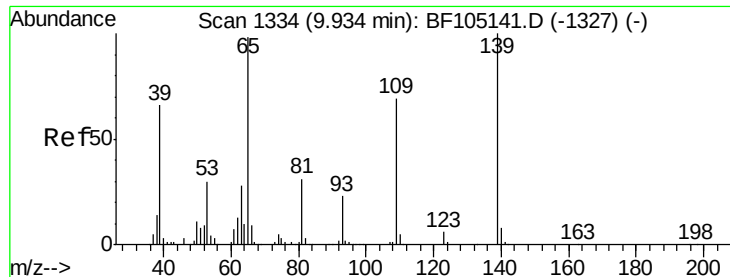
Tot Ion:184 Resp: 12129
Ion Ratio Lower Upper
184 100
63 69.7 54.2 81.2
154 62.3 184.0 276.0#



#54
Dibenzofuran
Concen: 8.974 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion:168 Resp: 331000
Ion Ratio Lower Upper
168 100
139 37.5 30.1 45.1
169 13.4 10.9 16.3

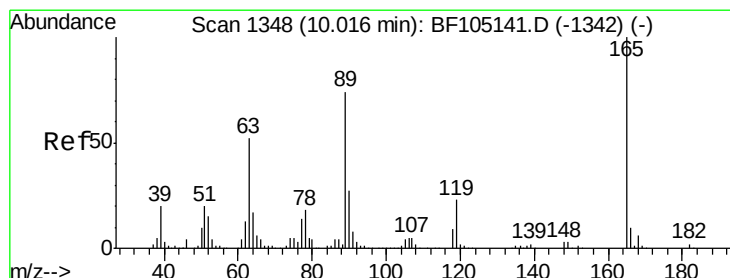
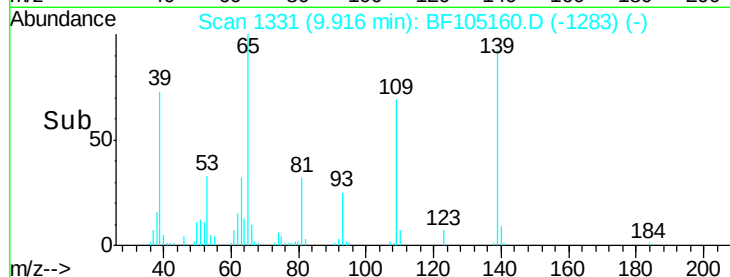
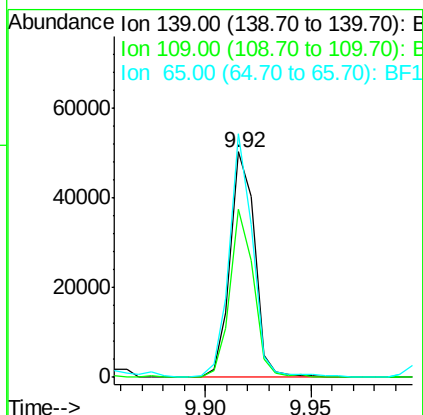
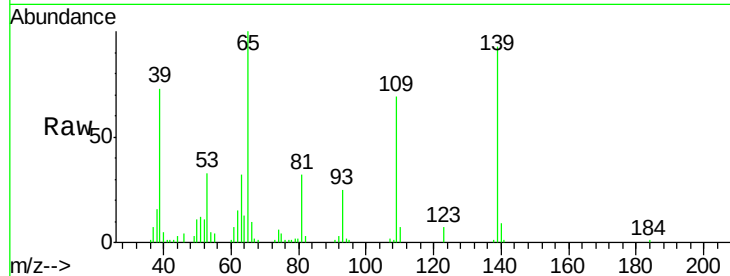




#55
4-Nitrophenol
Concen: 10.883 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

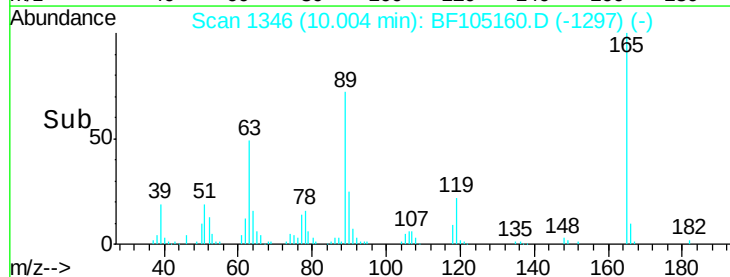
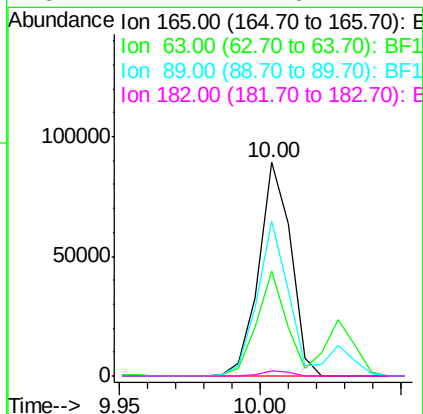
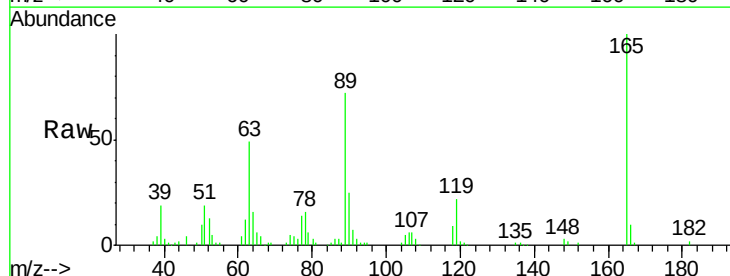
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

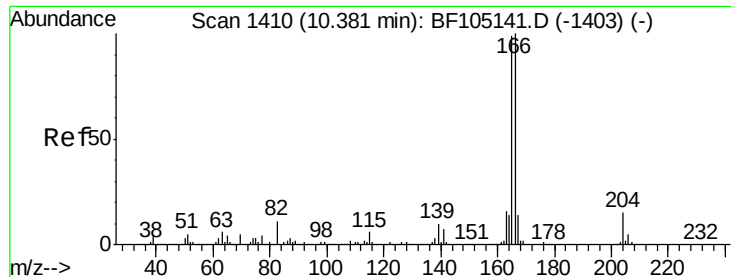
Tot Ion:139 Resp: 40300
Ion Ratio Lower Upper
139 100
109 74.4 48.4 88.4
65 108.1 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 11.589 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion:165 Resp: 70114
Ion Ratio Lower Upper
165 100
63 49.0 36.4 54.6
89 72.4 57.8 86.6
182 2.2 1.6 2.4

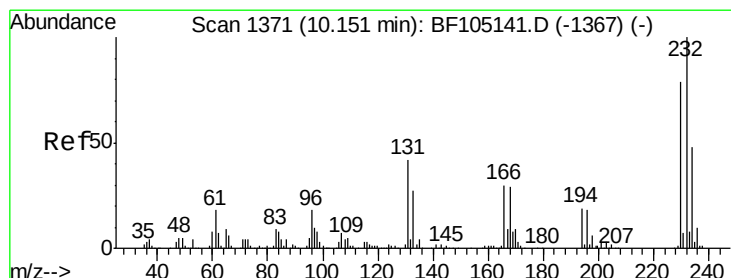
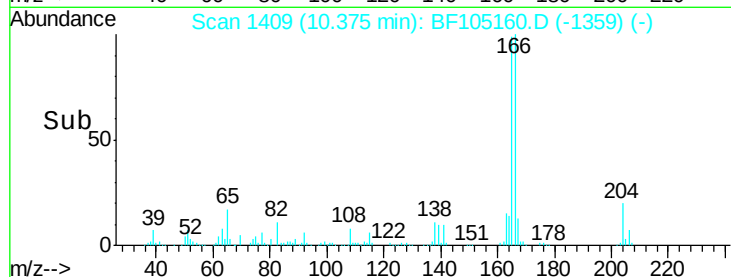
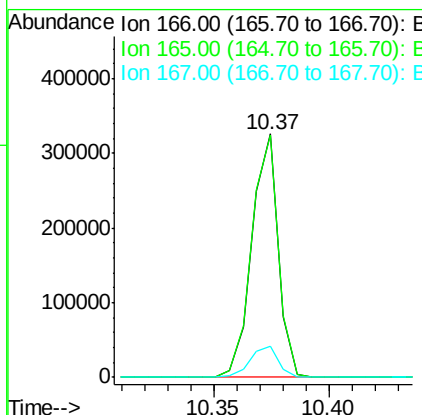
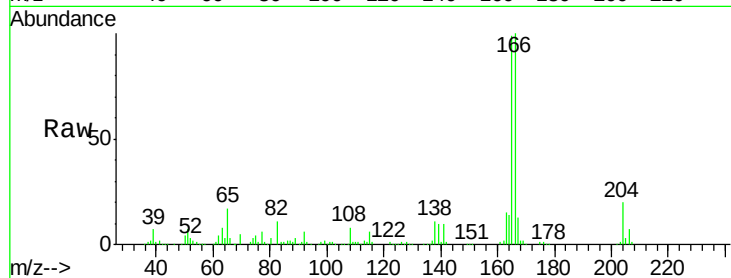




#57
 Fluorene
 Concen: 9.656 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

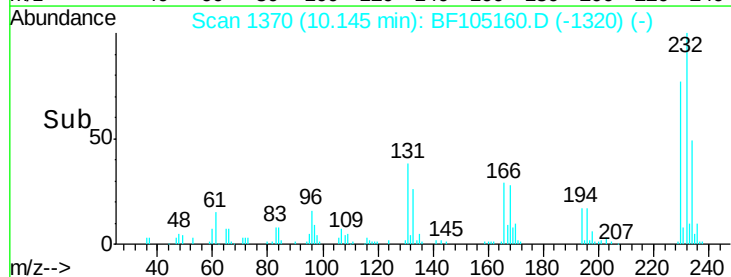
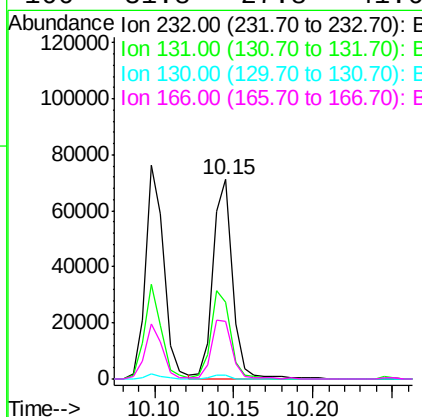
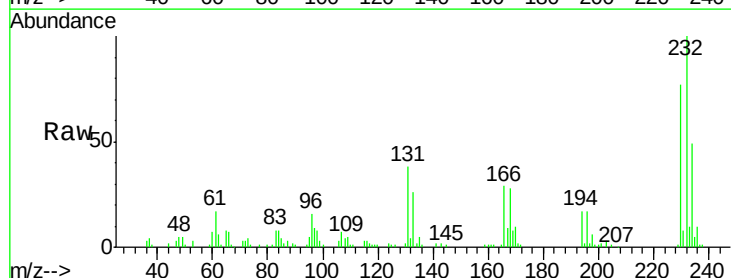
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

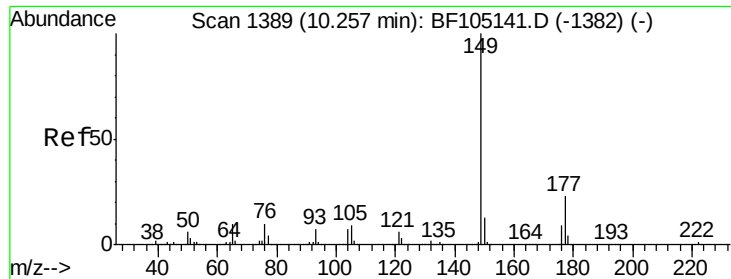
Tot Ion:166 Resp: 261193
 Ion Ratio Lower Upper
 166 100
 165 99.5 79.8 119.8
 167 13.0 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 8.175 ng
 RT: 10.15 min Scan# 1370
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

Tgt Ion:232 Resp: 61585
 Ion Ratio Lower Upper
 232 100
 131 44.2 43.8 65.8
 130 1.7 2.1 3.1#
 166 31.8 27.8 41.6





#59

Diethylphthalate

Concen: 9.782 ng

RT: 10.25 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

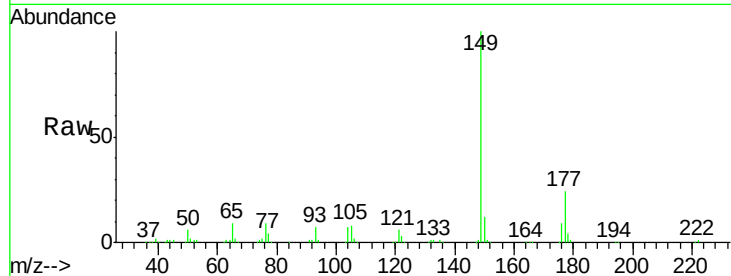
Tot Ion:149 Resp: 270754

Ion Ratio Lower Upper

149 100

177 23.6 16.1 24.1

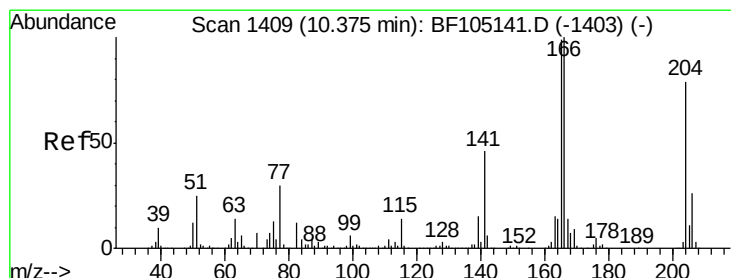
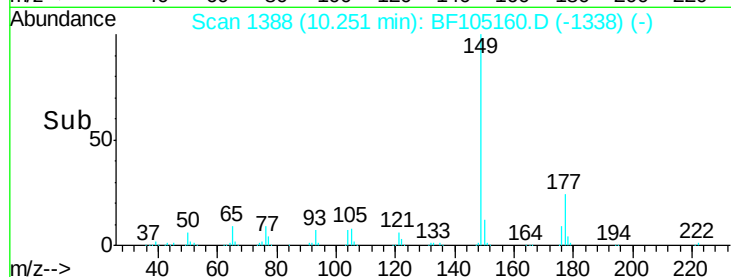
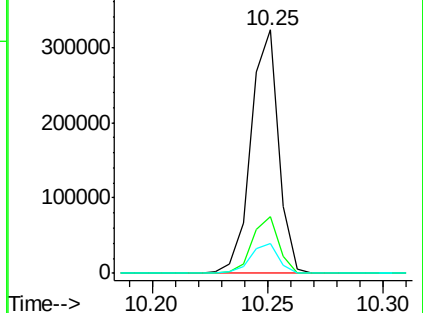
150 12.0 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 10.029 ng

RT: 10.37 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

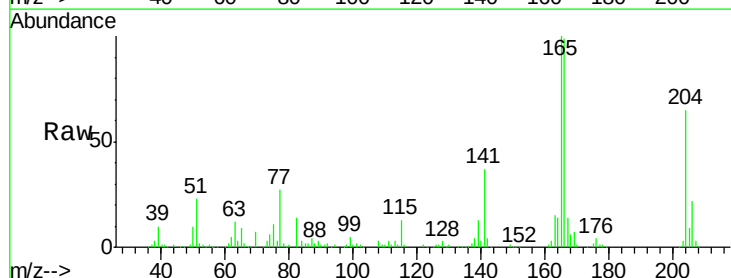
Tgt Ion:204 Resp: 126289

Ion Ratio Lower Upper

204 100

206 33.3 26.5 39.7

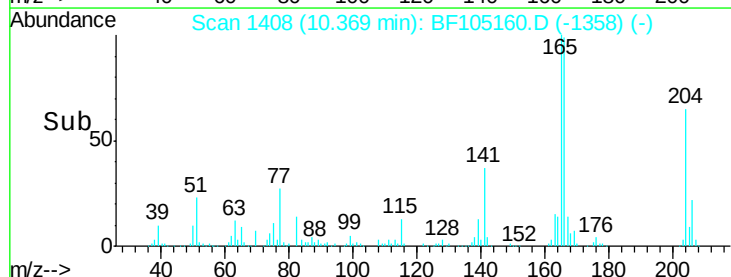
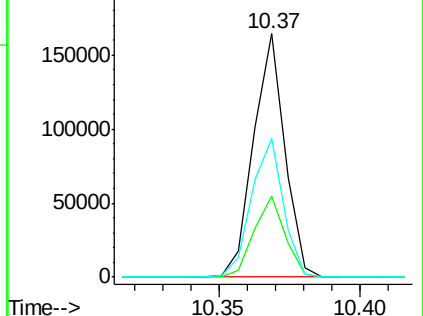
141 57.0 54.6 81.8

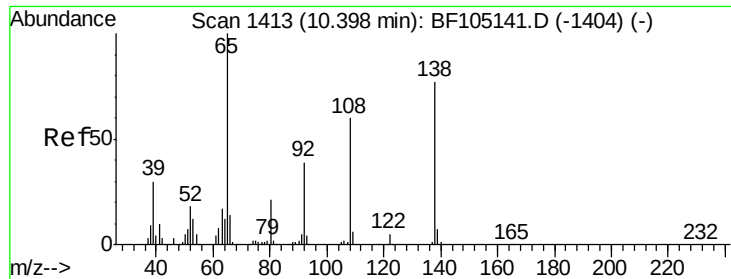


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

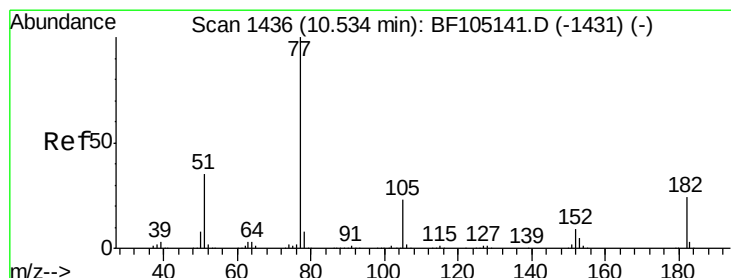
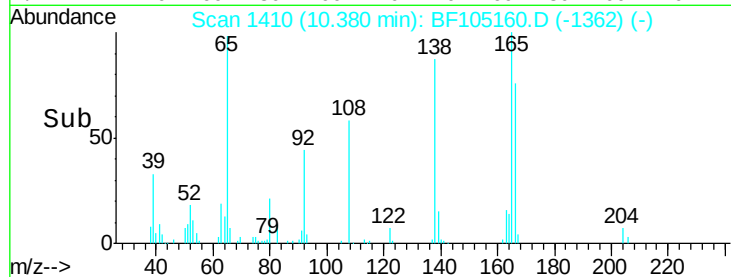
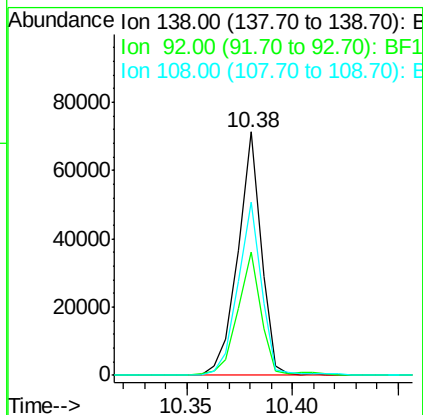
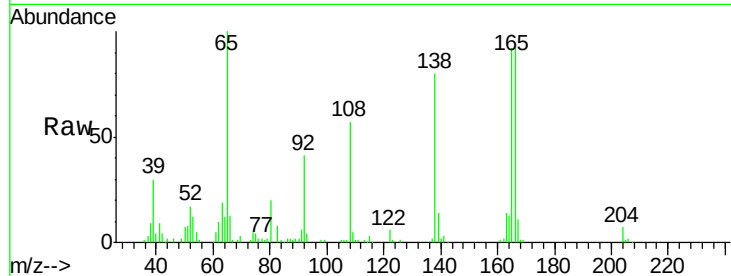




#61
4-Nitroaniline
Concen: 8.451 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.02 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

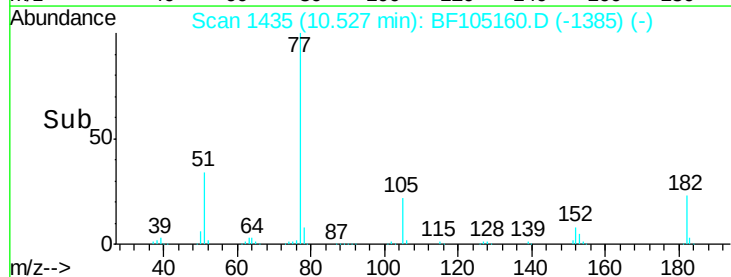
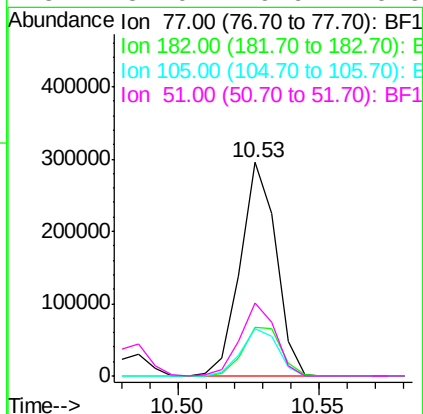
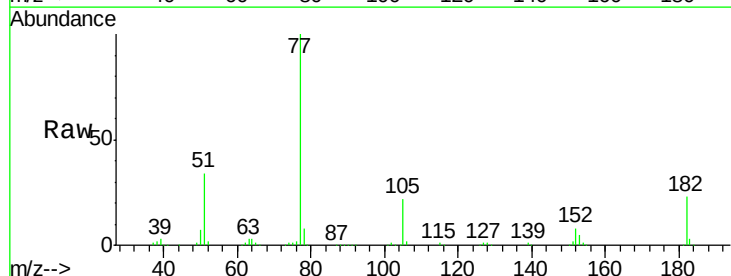
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

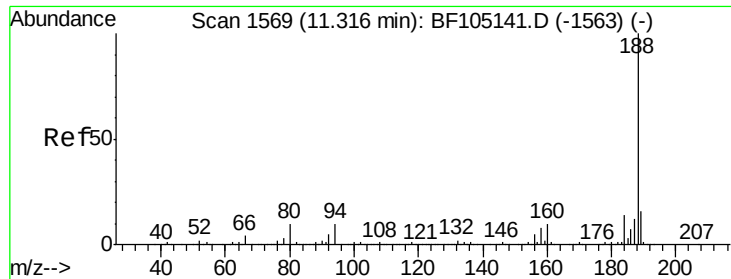
Tot Ion:138 Resp: 54129
Ion Ratio Lower Upper
138 100
92 50.7 30.2 70.2
108 71.1 52.5 92.5



#62
Azobenzene
Concen: 9.009 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion: 77 Resp: 260123
Ion Ratio Lower Upper
77 100
182 22.9 1.7 41.7
105 22.0 3.0 43.0
51 34.0 9.9 49.9

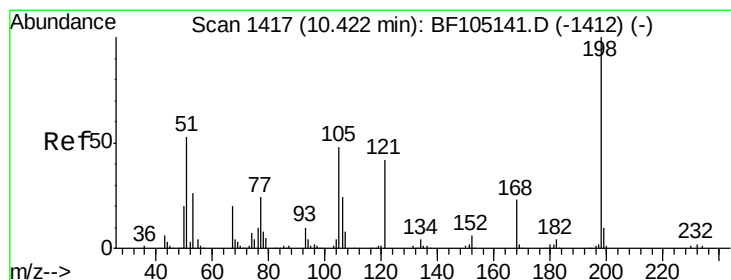
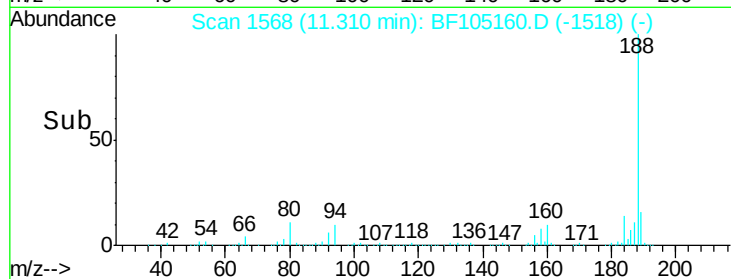
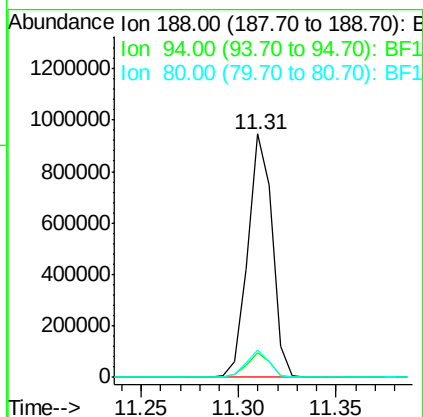
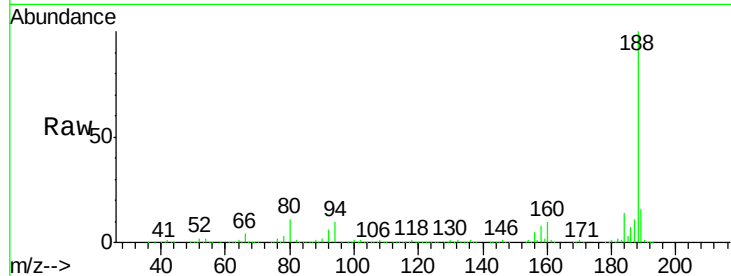




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

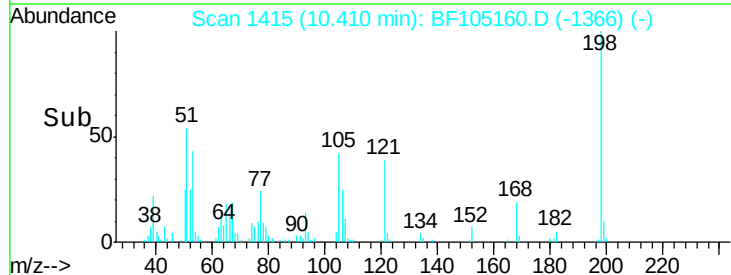
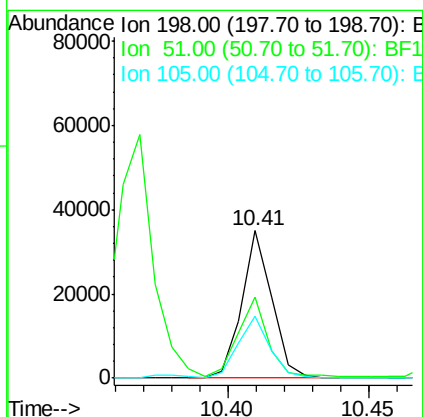
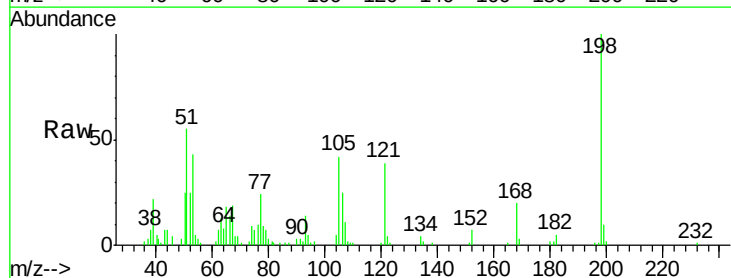
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

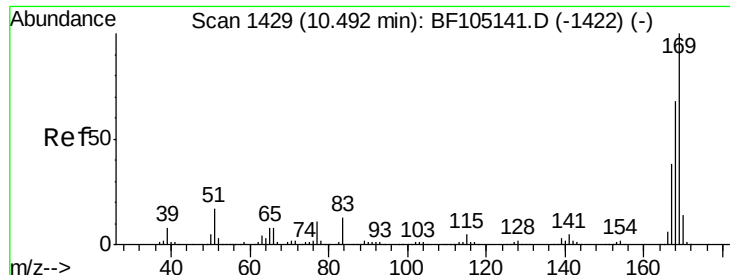
Tot Ion:188 Resp: 817901
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.1 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 17.183 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion:198 Resp: 26005
Ion Ratio Lower Upper
198 100
51 54.6 37.7 77.7
105 41.9 36.3 76.3

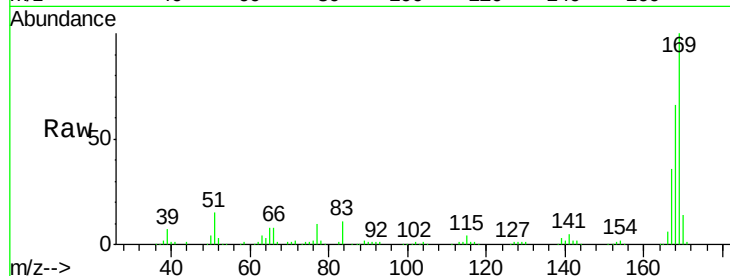




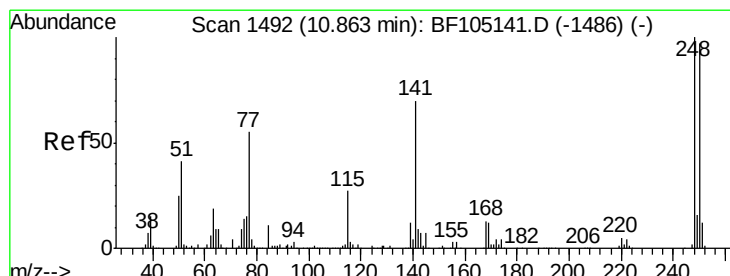
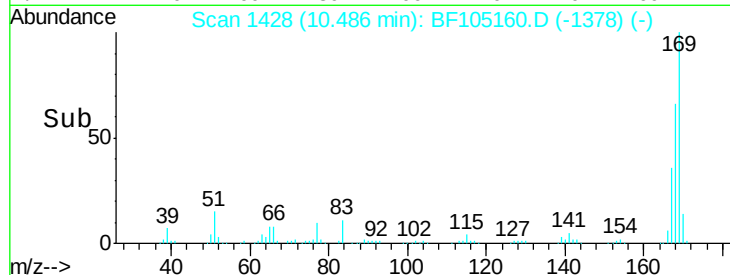
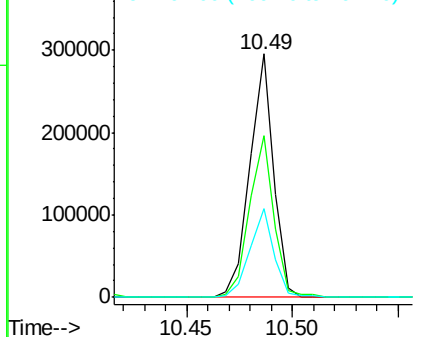
#65
n-Nitrosodiphenylamine
Concen: 9.093 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

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

Tot Ion:169 Resp: 231825
Ion Ratio Lower Upper
169 100
168 66.2 54.4 81.6
167 36.2 29.8 44.6

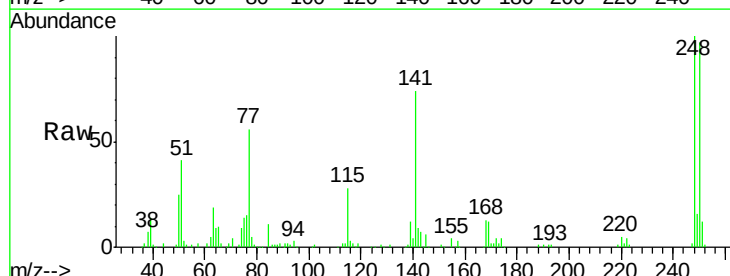


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

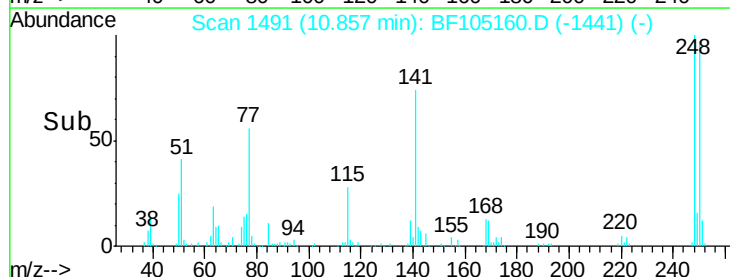
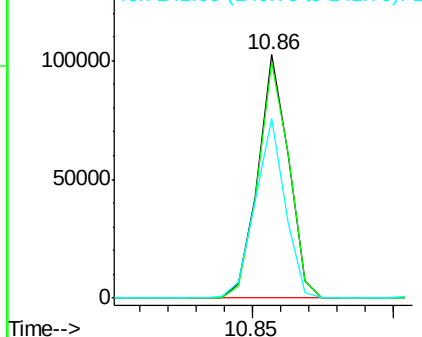


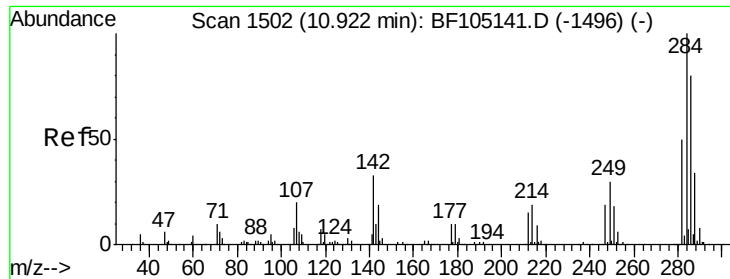
#66
4-Bromophenyl-phenylether
Concen: 8.834 ng
RT: 10.86 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion:248 Resp: 77058
Ion Ratio Lower Upper
248 100
250 96.8 76.9 115.3
141 73.8 74.4 111.6#



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





#67

Hexachlorobenzene

Concen: 9.225 ng

RT: 10.92 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

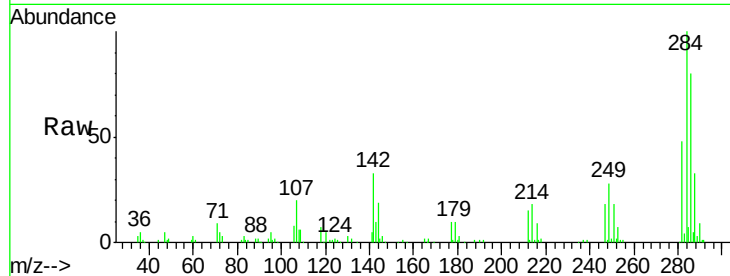
Tot Ion:284 Resp: 92725

Ion Ratio Lower Upper

284 100

142 32.6 34.6 52.0#

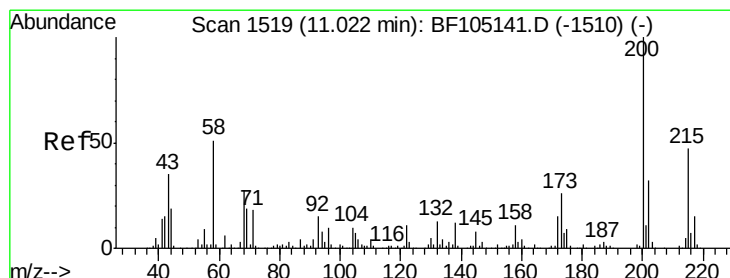
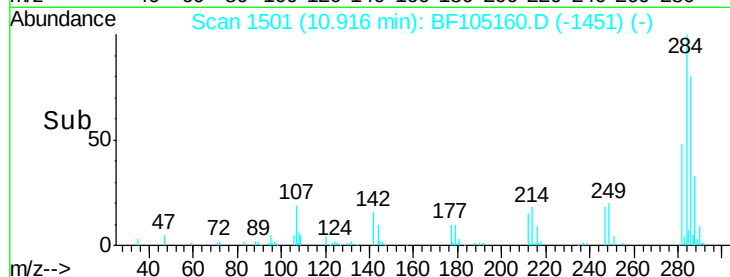
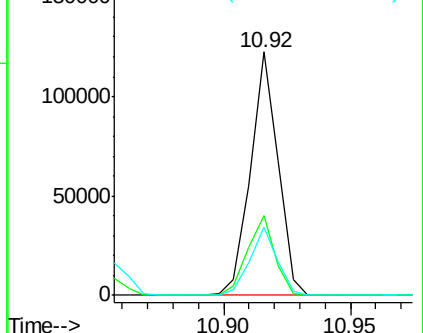
249 28.1 24.8 37.2



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: 5.950 ng

RT: 11.01 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

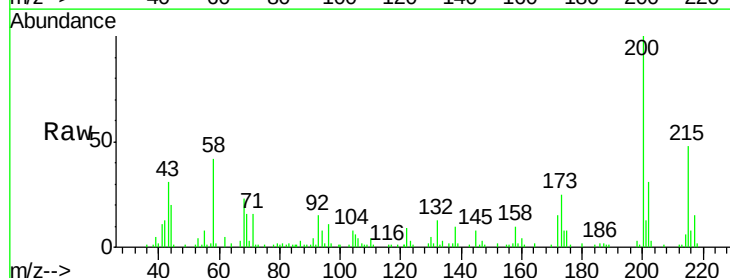
Tgt Ion:200 Resp: 47542

Ion Ratio Lower Upper

200 100

173 25.2 8.6 48.6

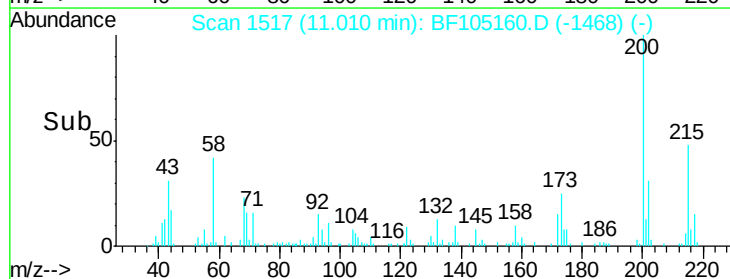
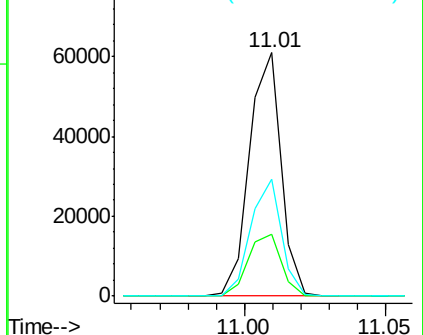
215 47.9 25.1 65.1

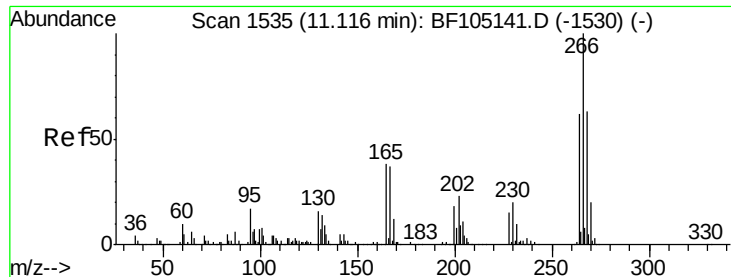


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

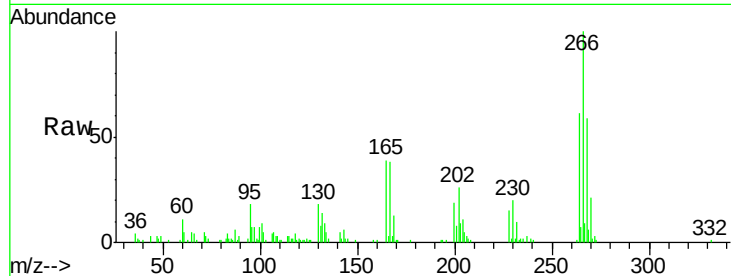




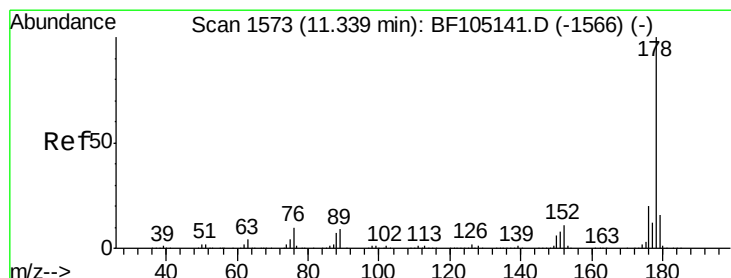
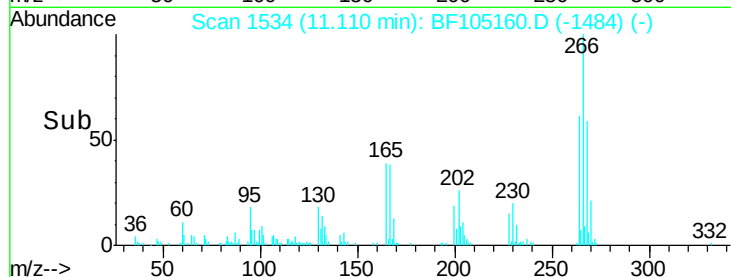
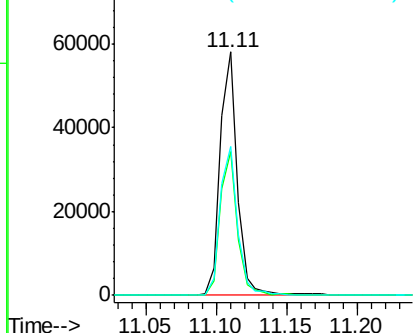
#69
 Pentachlorophenol
 Concen: 11.222 ng
 RT: 11.11 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

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

Tot Ion	Ratio	Lower	Upper
266	100		
268	58.8	51.1	76.7
264	61.4	49.5	74.3

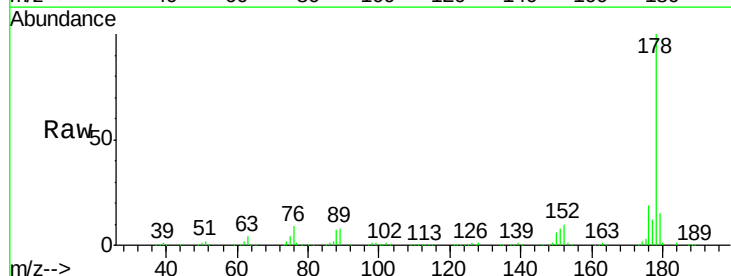


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

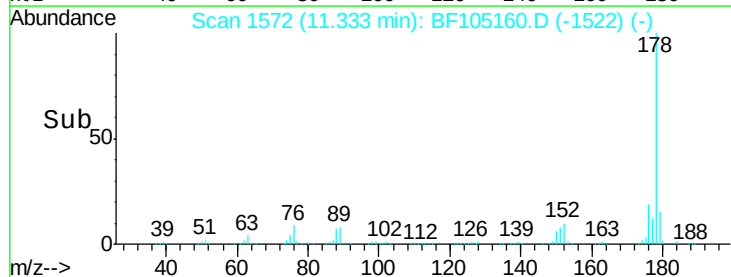
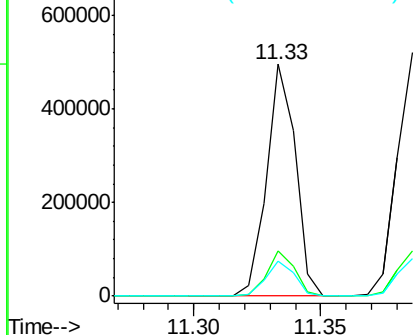


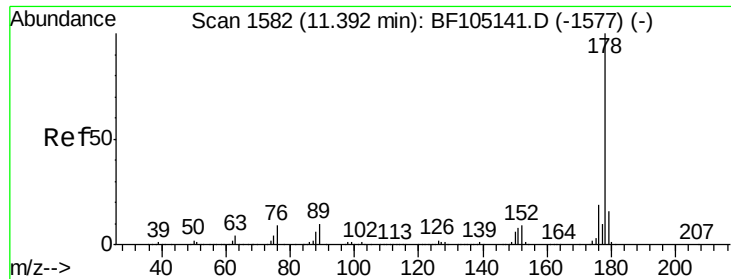
#70
 Phenanthrene
 Concen: 9.188 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.0	13.0	19.6



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

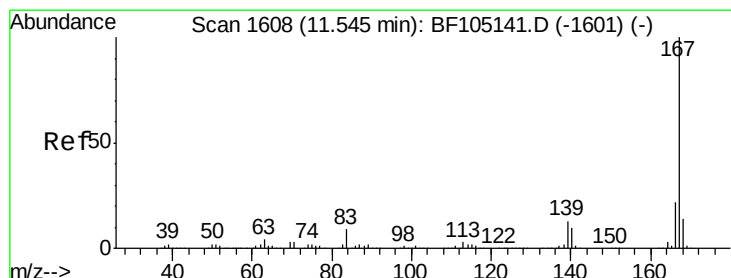
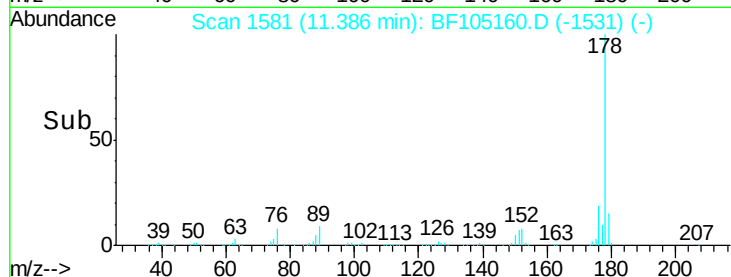
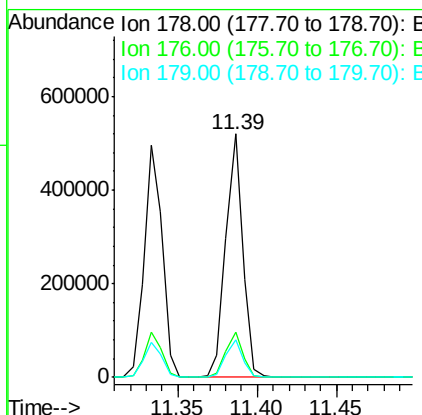
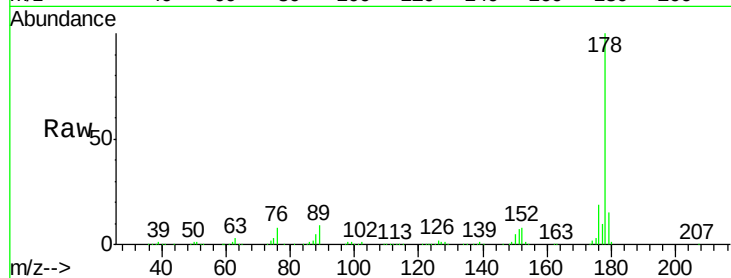




#71
 Anthracene
 Concen: 8.895 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

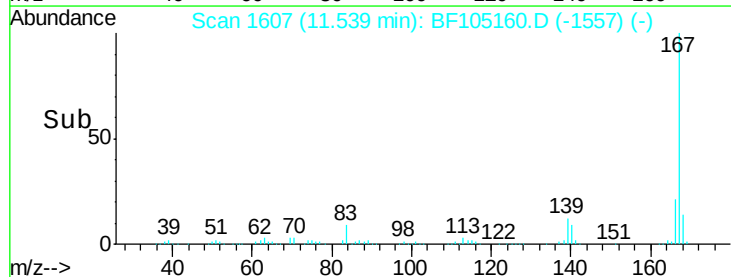
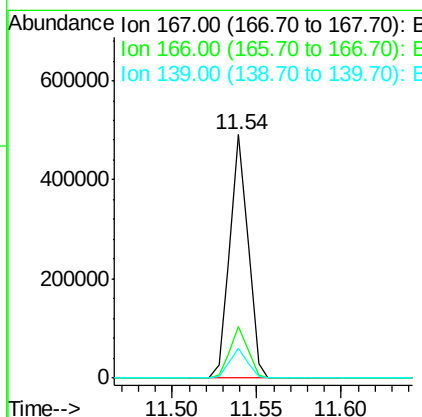
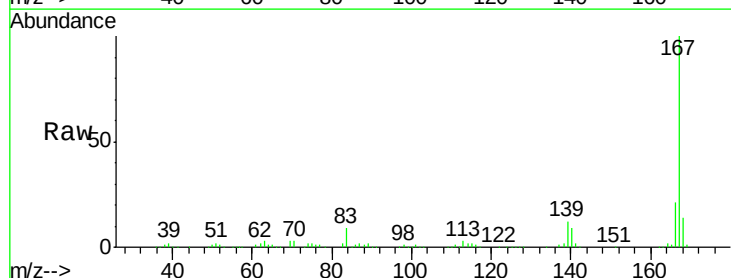
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

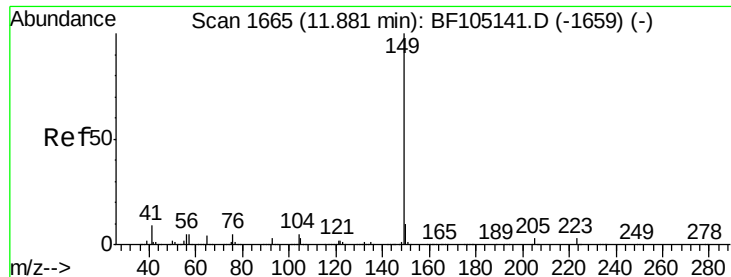
Tot Ion:178 Resp: 389711
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 15.2 12.6 19.0



#72
 Carbazole
 Concen: 9.375 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

Tgt Ion:167 Resp: 370118
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.6 26.4
 139 12.1 10.9 16.3





#73

Di-n-butylphthalate

Concen: 9.475 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

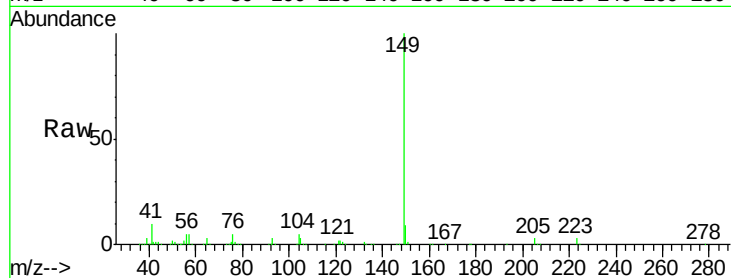
Tot Ion:149 Resp: 400111

Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.6

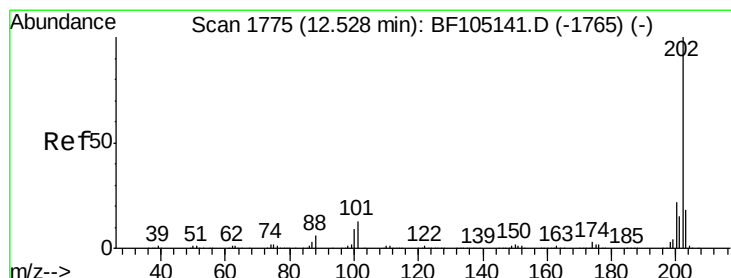
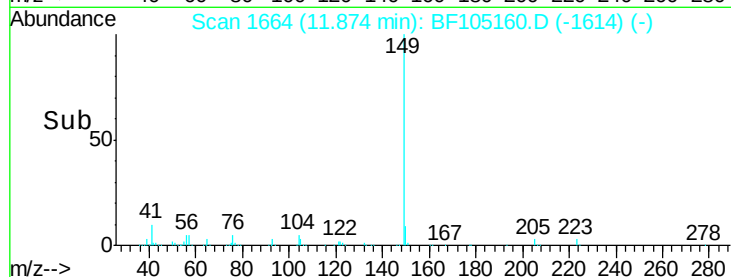
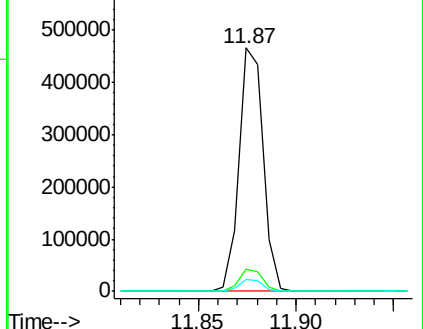
104 4.7 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 9.090 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

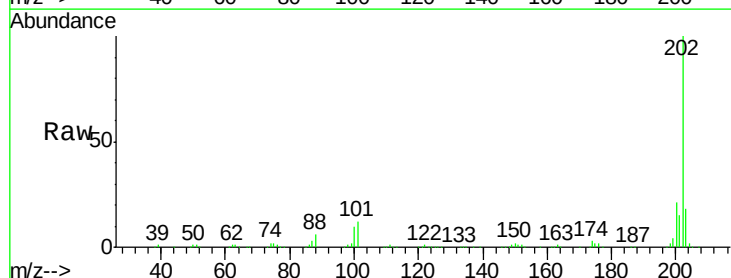
Tgt Ion:202 Resp: 408438

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

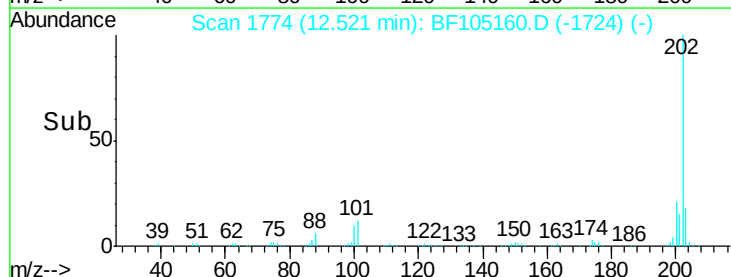
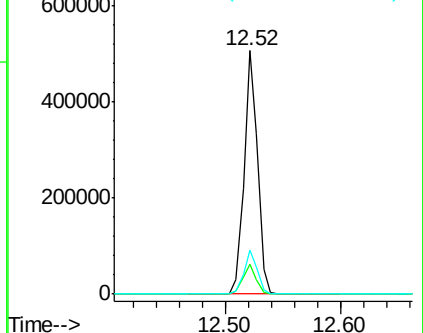
203 18.0 0.0 38.1

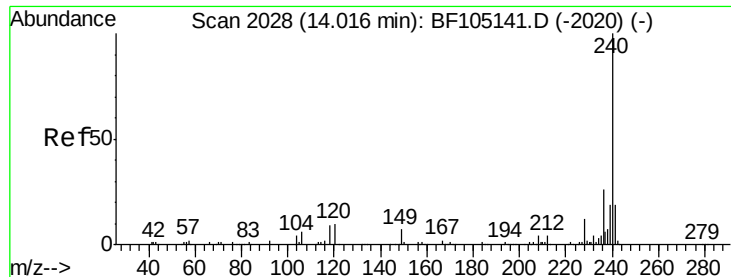


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

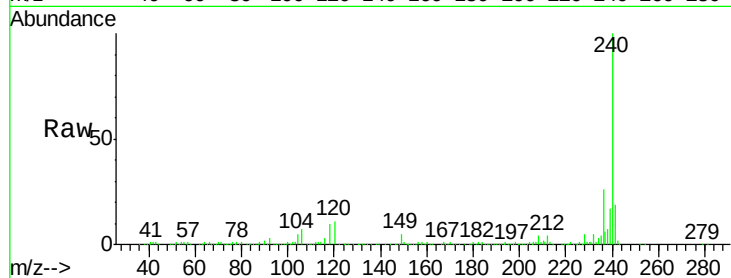
Tot Ion:240 Resp: 694865

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

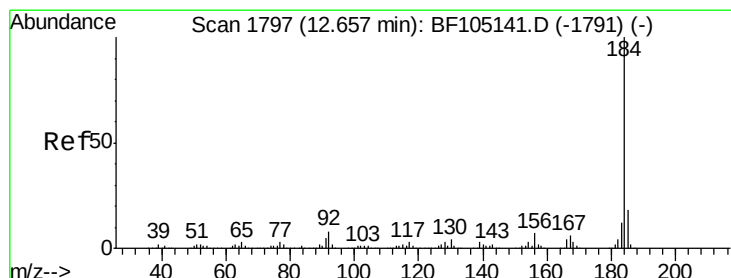
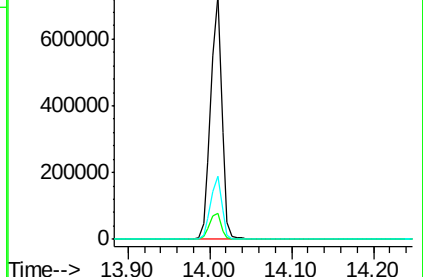
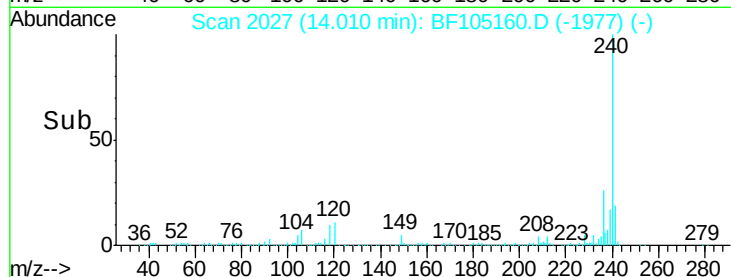
236 26.1 20.7 31.1



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: 3.193 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

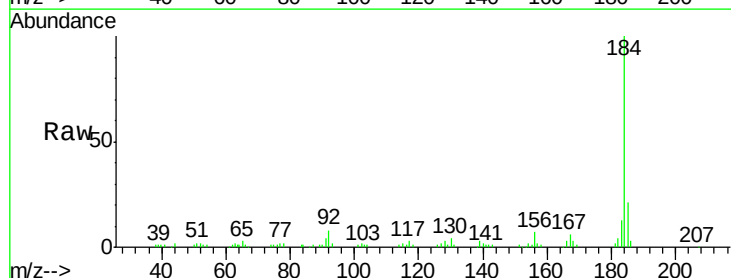
Tgt Ion:184 Resp: 82860

Ion Ratio Lower Upper

184 100

185 20.7 12.6 18.8#

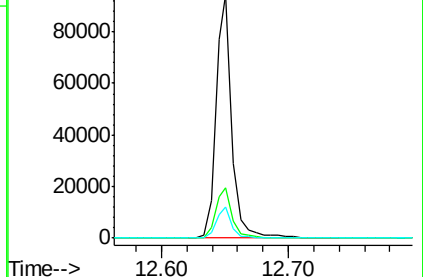
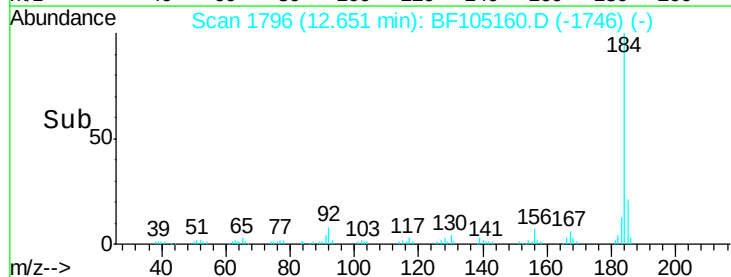
183 12.7 9.3 13.9

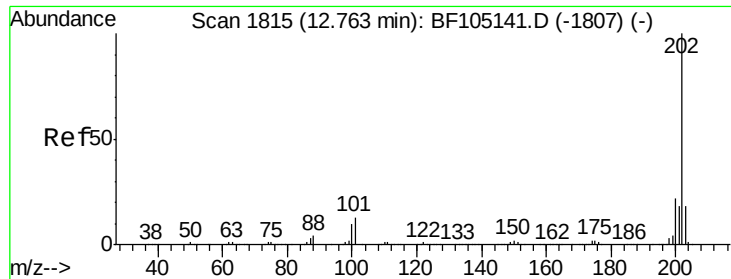


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

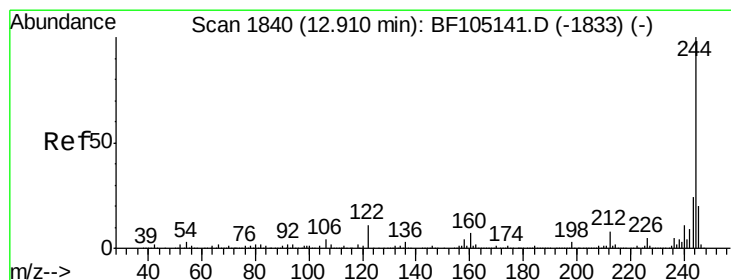
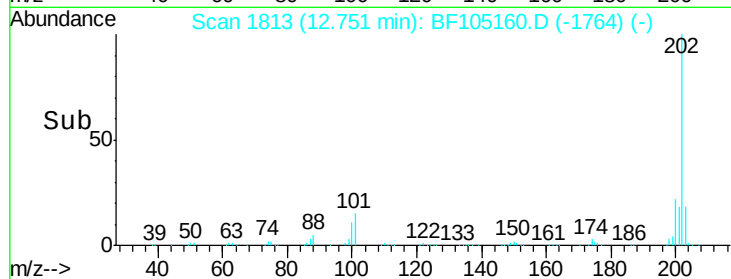
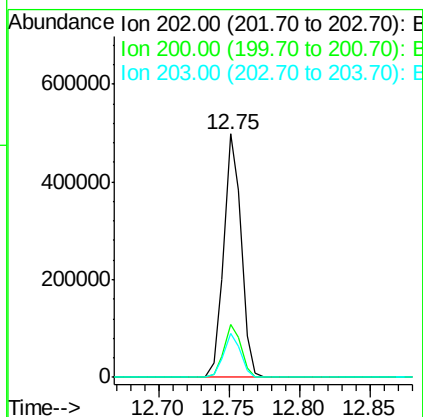
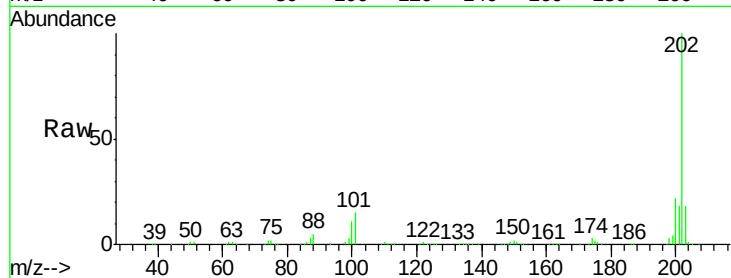




#77
Pvrene
Concen: 8.476 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

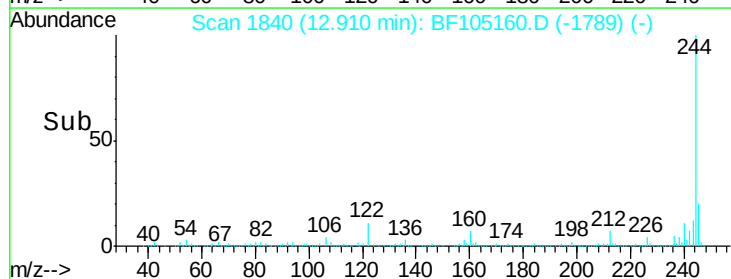
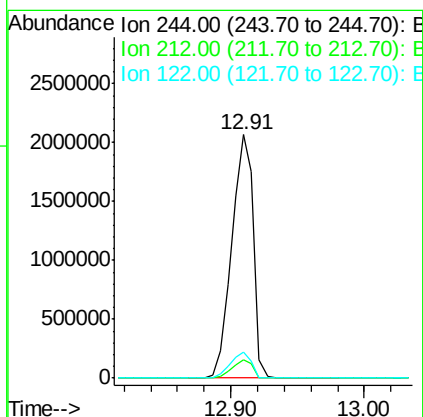
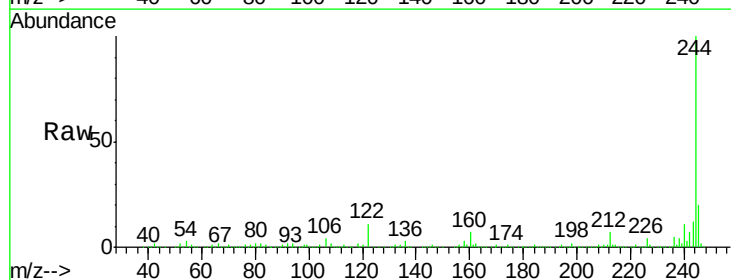
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

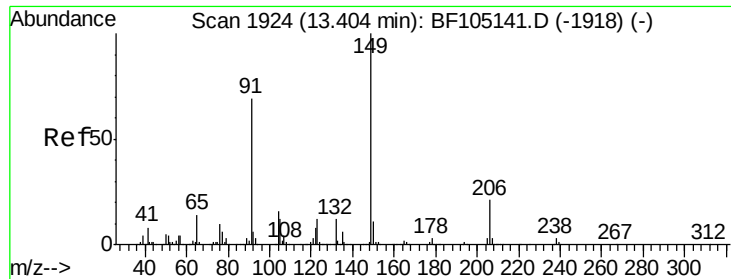
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.8	14.3	21.5



#78
Terphenyl-d14
Concen: 78.147 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	10.6	11.0	16.4

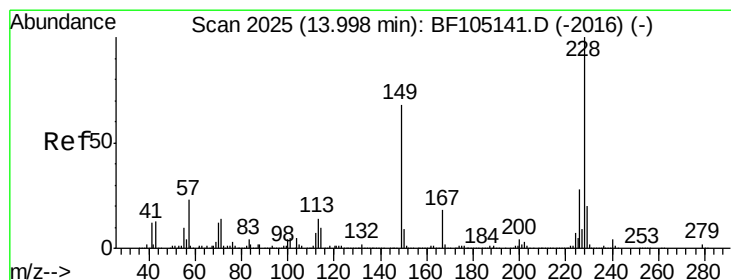
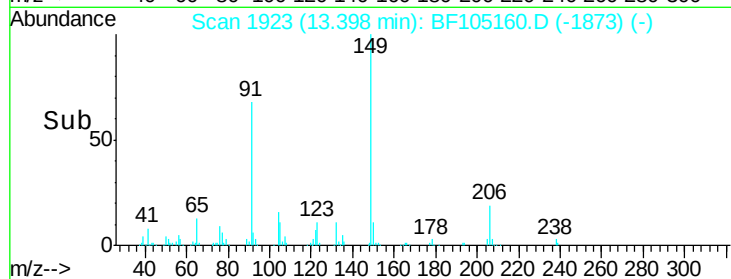
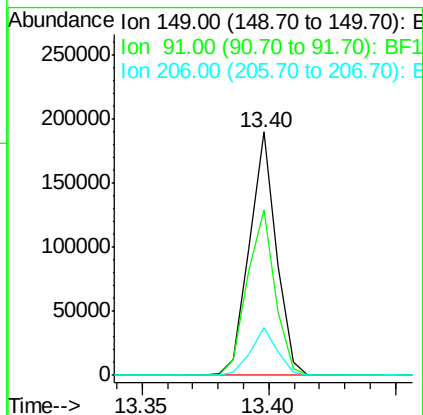
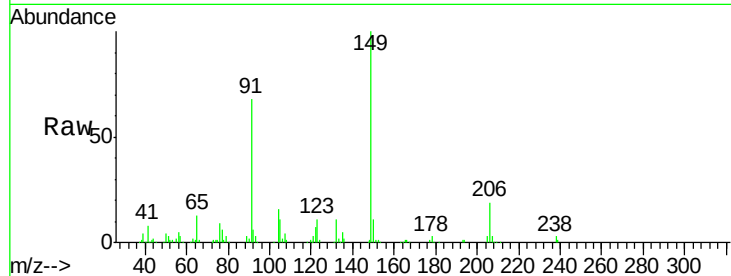




#79
Butylbenzylphthalate
Concen: 13.482 ng
RT: 13.40 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

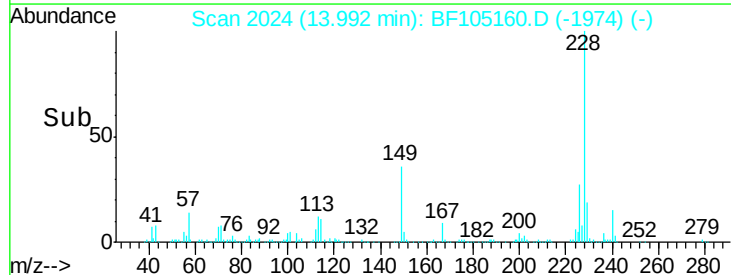
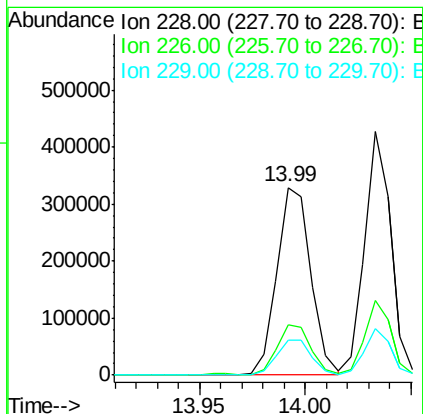
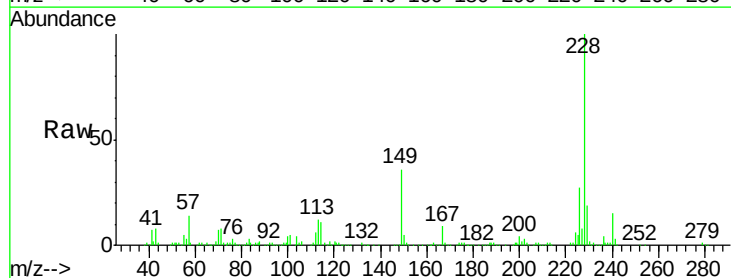
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

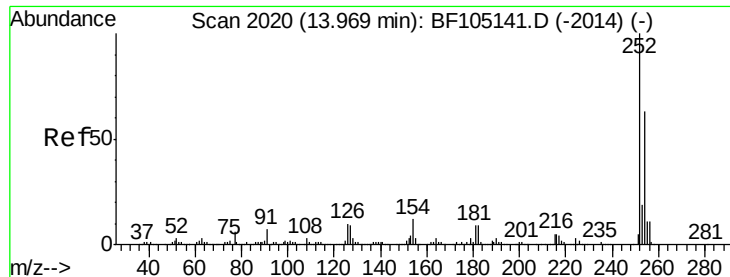
Tot Ion	Ratio	Lower	Upper
149	100		
91	68.0	56.8	85.2
206	19.4	14.1	21.1



#80
Benzo(a)anthracene
Concen: 8.733 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	18.9	15.8	23.6

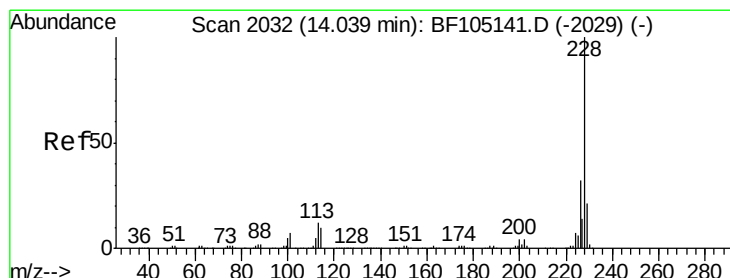
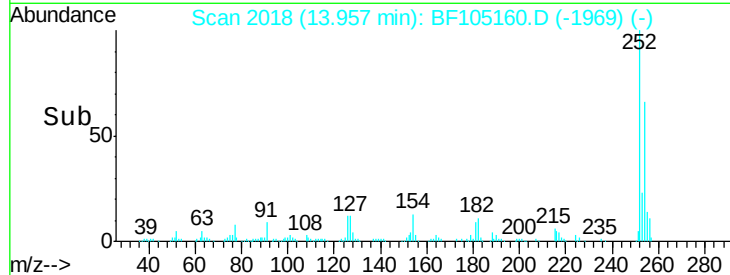
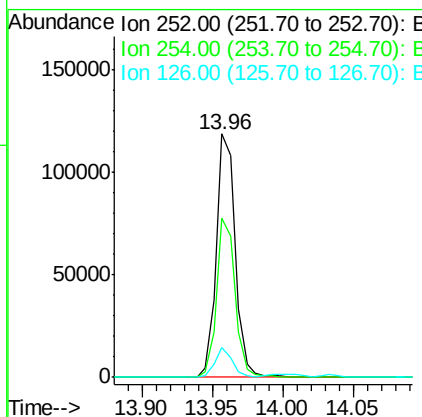
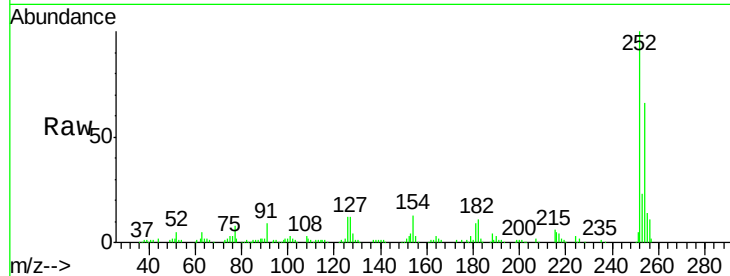




#81
 3,3'-Dichlorobenzidine
 Concen: 7.004 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

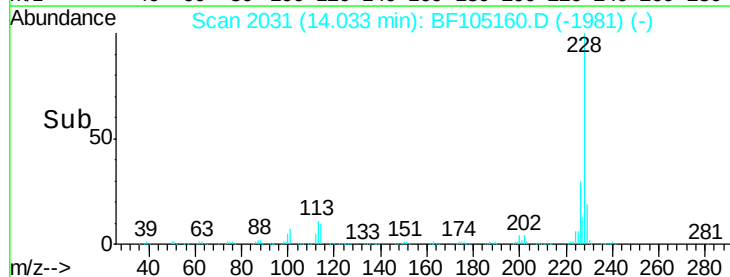
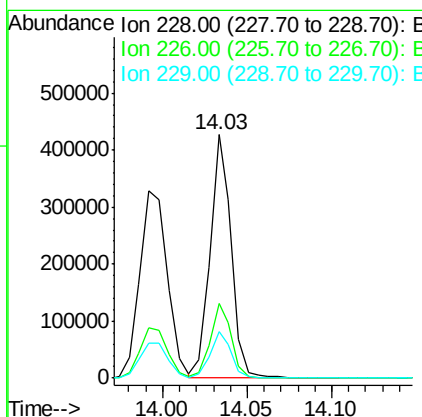
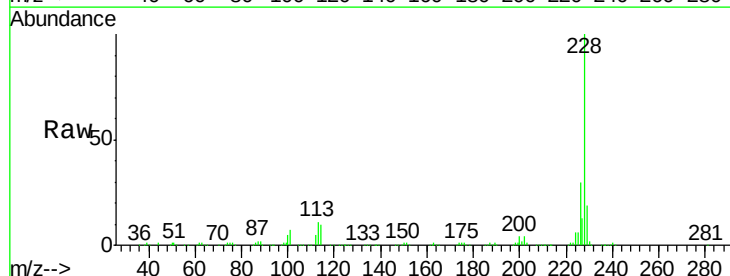
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

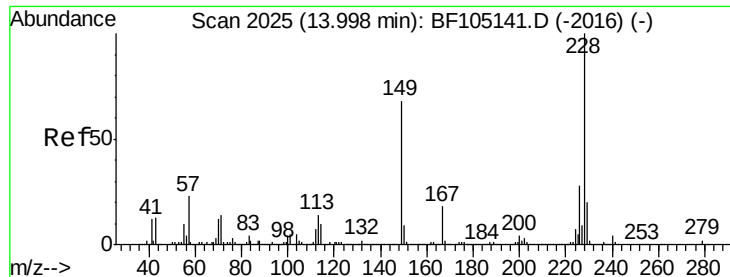
Tot Ion:252 Resp: 110973
 Ion Ratio Lower Upper
 252 100
 254 65.6 50.4 75.6
 126 12.3 11.3 16.9



#82
 Chrysene
 Concen: 8.585 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

Tgt Ion:228 Resp: 372567
 Ion Ratio Lower Upper
 228 100
 226 30.5 25.0 37.6
 229 19.3 16.2 24.4

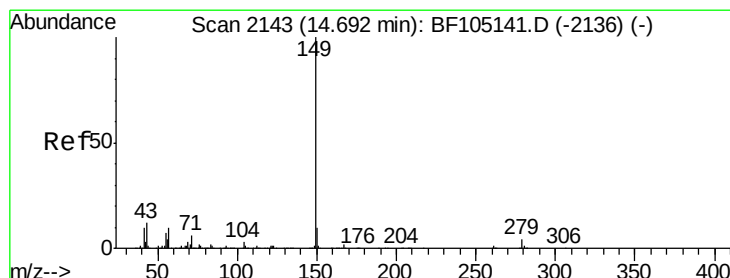
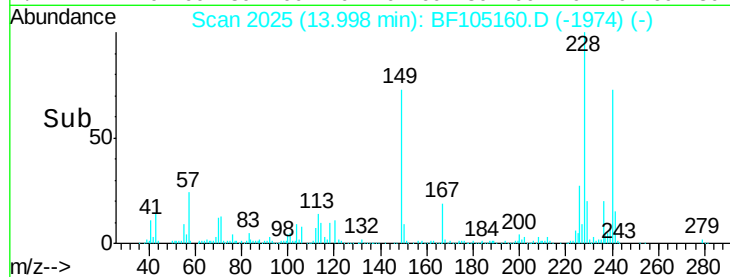
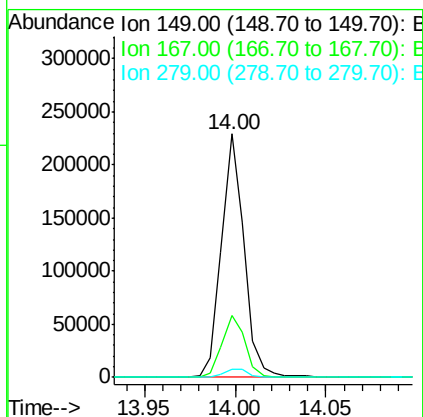
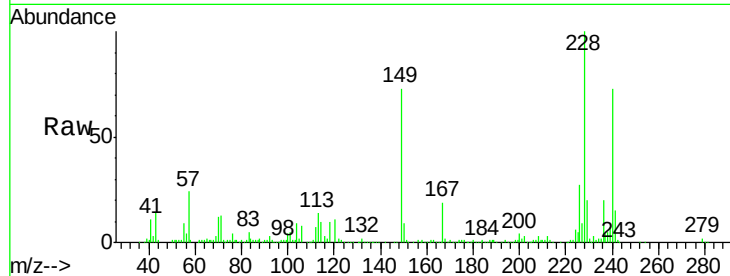




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 9.546 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.00 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

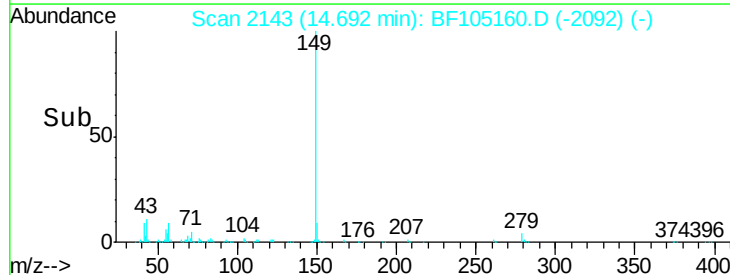
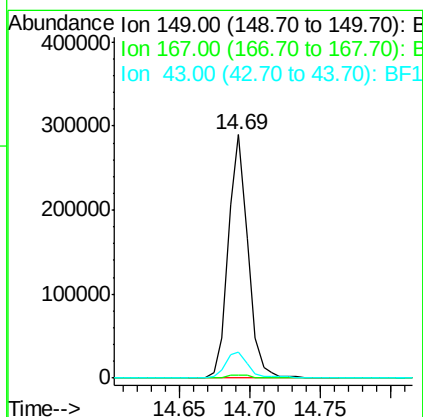
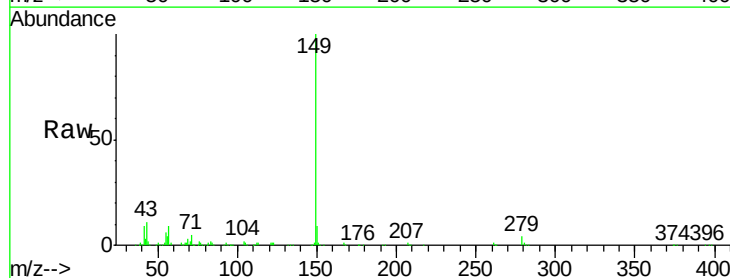
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

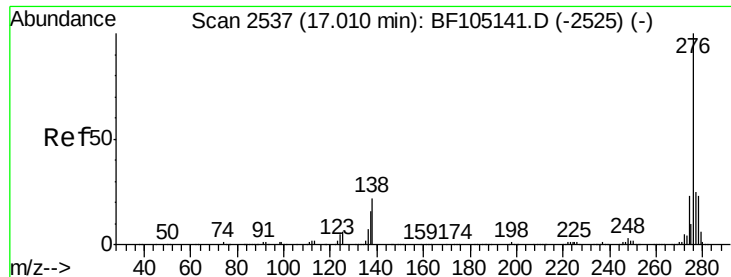
Tot Ion:149 Resp: 199480
 Ion Ratio Lower Upper
 149 100
 167 25.3 21.3 31.9
 279 3.3 3.0 4.4



#84
 Di-n-octyl phthalate
 Concen: 12.831 ng
 RT: 14.69 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

Tgt Ion:149 Resp: 279296
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 12.8 8.4 12.6#

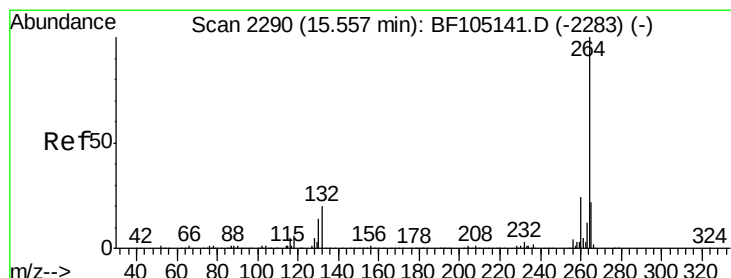
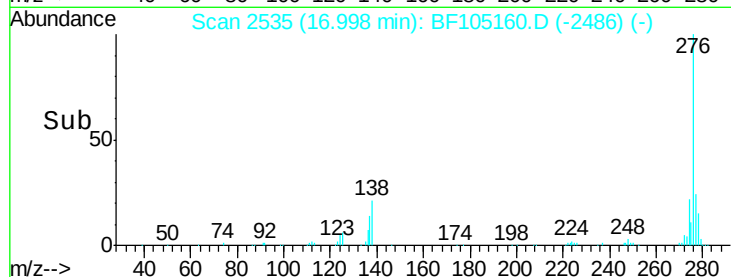
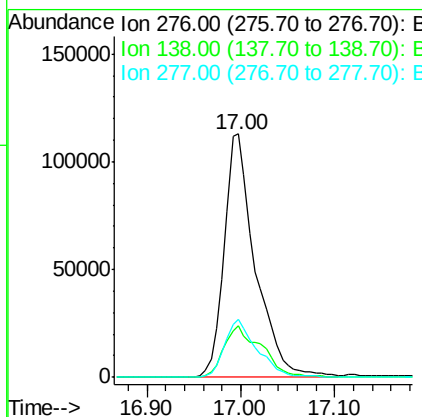
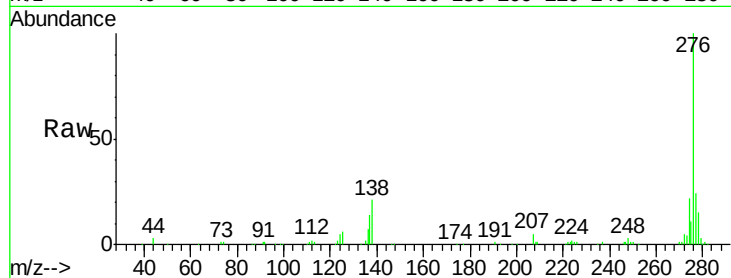




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.554 ng
 RT: 17.00 min Scan# 2535
 Delta R.T. -0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

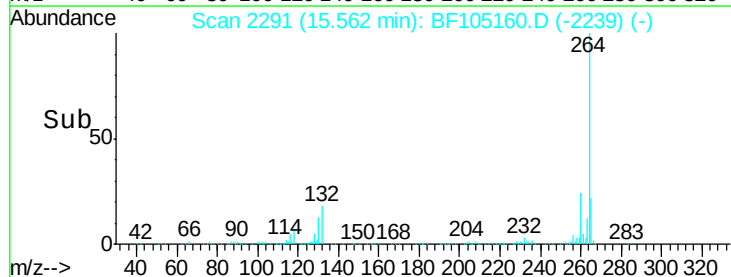
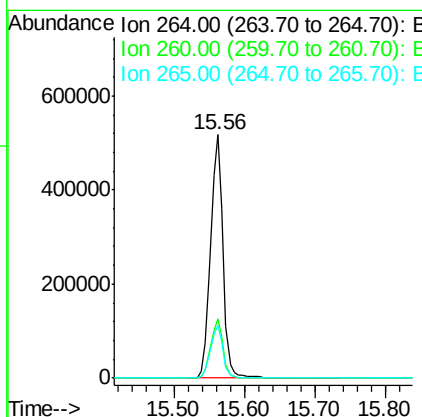
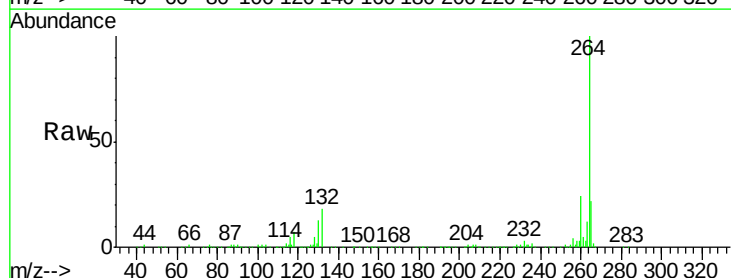
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

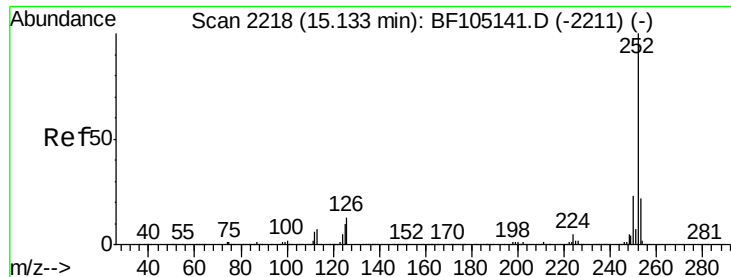
Tot Ion:276 Resp: 259787
 Ion Ratio Lower Upper
 276 100
 138 25.7 25.0 37.6
 277 25.0 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.01 min
 Lab File: BF105160.D
 Acq: 8 May 2018 22:32

Tgt Ion:264 Resp: 636169
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 21.7 17.5 26.3

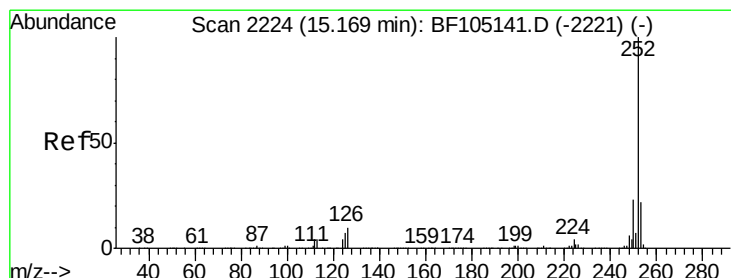
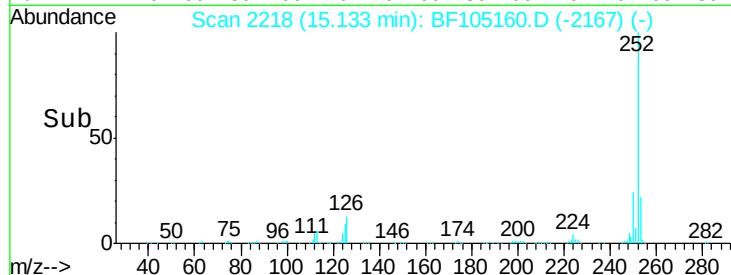
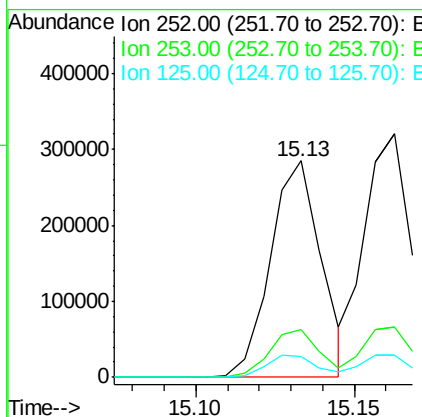
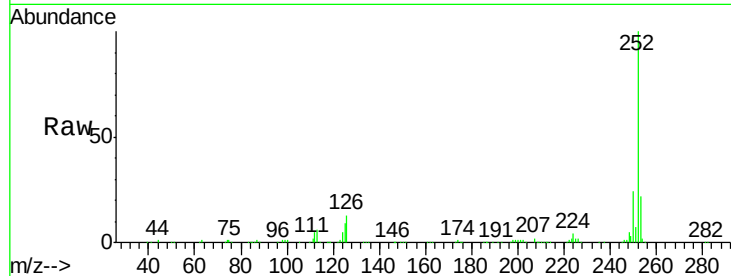




#87
Benzo(b)fluoranthene
Concen: 8.158 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

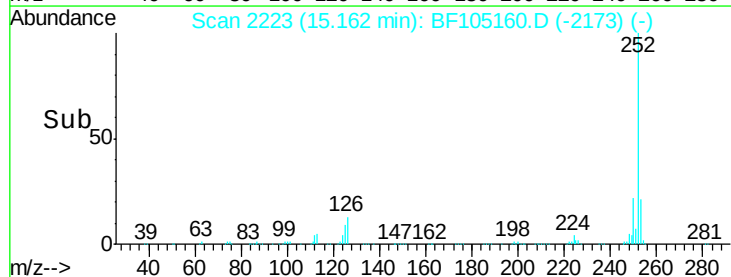
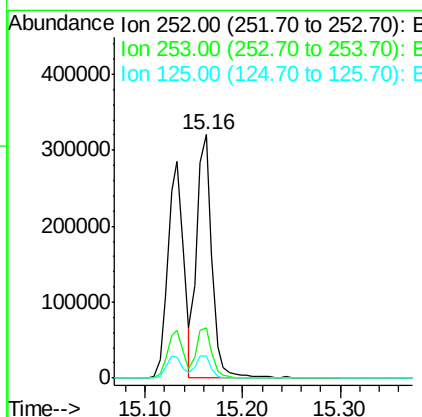
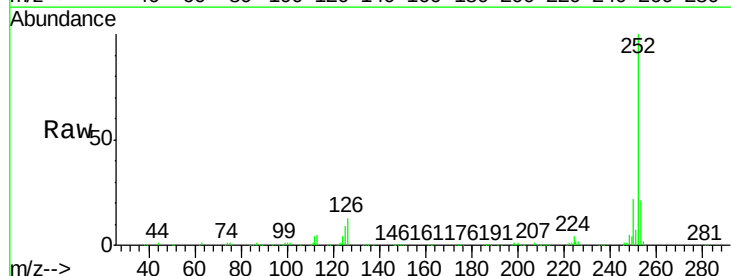
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2018

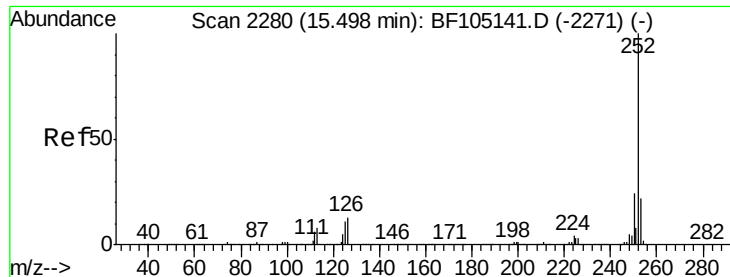
Tot Ion:252 Resp: 317494
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 9.5 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 9.110 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF105160.D
Acq: 8 May 2018 22:32

Tgt Ion:252 Resp: 343799
Ion Ratio Lower Upper
252 100
253 20.9 17.9 26.9
125 9.2 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 8.133 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

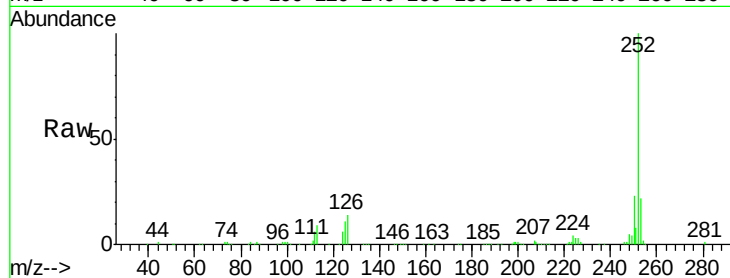
Tot Ion:252 Resp: 287887

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

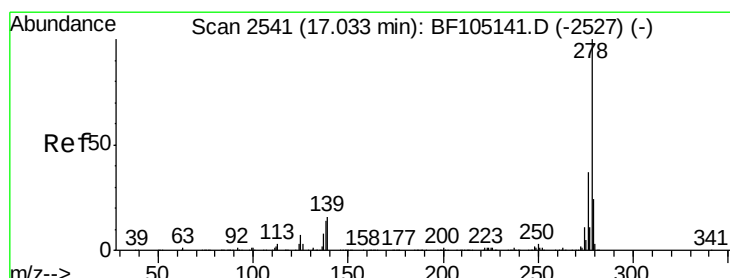
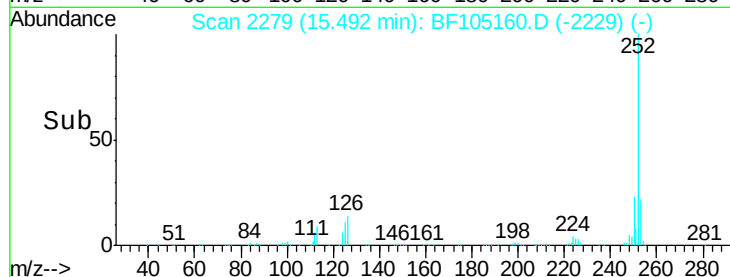
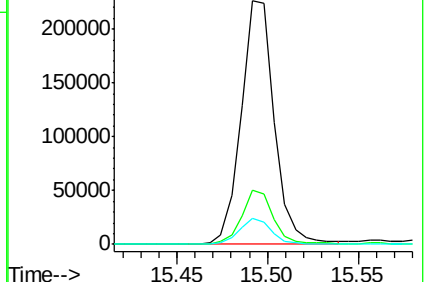
125 10.8 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 7.977 ng

RT: 17.02 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

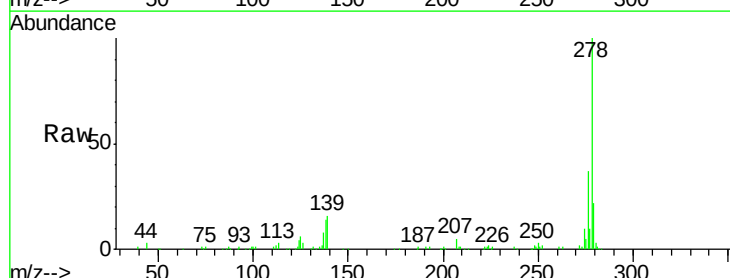
Tgt Ion:278 Resp: 219300

Ion Ratio Lower Upper

278 100

139 15.8 15.9 23.9#

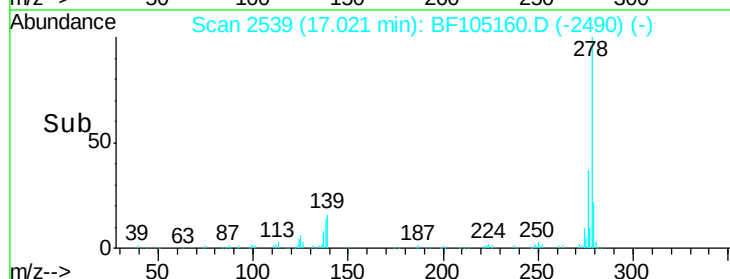
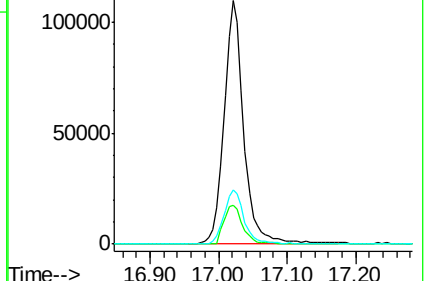
279 22.4 19.0 28.4

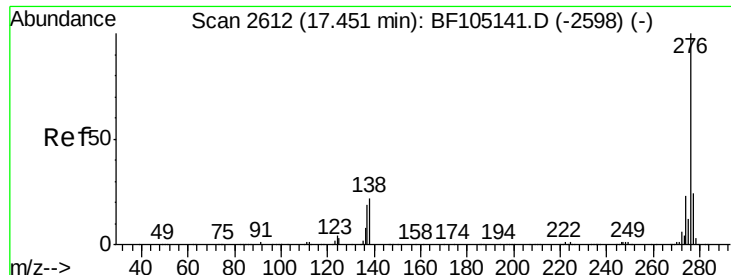


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 7.849 ng

RT: 17.43 min Scan# 2609

Delta R.T. -0.02 min

Lab File: BF105160.D

Acq: 8 May 2018 22:32

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

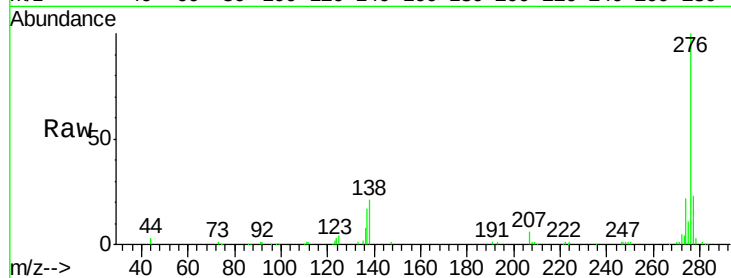
Tot Ion:276 Resp: 211101

Ion Ratio Lower Upper

276 100

277 22.6 17.9 26.9

138 20.5 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

