

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098591.D
 Acq On : 16 Sep 2017 1:43
 Operator : SJ/JU
 Sample : I5205-01MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDEMSD

Quant Time: Sep 16 04:22:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	130440	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	536422	20.00	ng	-0.02
38) Acenaphthene-d10	9.69	164	214391	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	351941	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	246838	20.00	ng	-0.01
86) Perylene-d12	15.20	264	250137	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	910400	103.19	ng	-0.01
7) Phenol-d6	6.31	99	1236709	110.41	ng	-0.01
23) Nitrobenzene-d5	7.22	82	765712	79.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.48	330	185416	129.58	ng	-0.01
44) 2-Fluorobiphenyl	9.01	172	984288	77.82	ng	-0.02
78) Terphenyl-d14	12.75	244	647632	56.63	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.30	88	122114	26.818	ng	# 86
3) Pyridine	3.01	79	148044	12.243	ng	# 74
4) n-Nitrosodimethylamine	2.95	42	163551	27.587	ng	# 89
6) Aniline	6.31	93	285615	20.325	ng	# 47
8) 2-Chlorophenol	6.44	128	368917	38.028	ng	# 98
9) Benzaldehyde	6.19	77	198463	27.104	ng	# 93
10) Phenol	6.32	94	504464	38.773	ng	# 93
11) bis(2-Chloroethyl)ether	6.39	93	364453	37.153	ng	# 99
12) 1,3-Dichlorobenzene	6.59	146	364877	37.368	ng	# 98
13) 1,4-Dichlorobenzene	6.66	146	394994	39.492	ng	# 95
14) 1,2-Dichlorobenzene	6.82	146	345078	37.870	ng	# 97
15) Benzyl Alcohol	6.80	79	305658	41.001	ng	# 95
16) 2,2'-oxybis(1-Chloropropan	6.93	45	507732	31.458	ng	# 15
17) 2-Methylphenol	6.93	107	299209	37.824	ng	# 86
18) Hexachloroethane	7.15	117	123108	32.140	ng	# 87
19) n-Nitroso-di-n-propylamine	7.07	70	276775	39.282	ng	# 98
20) 3+4-Methylphenols	7.08	107	410794	41.150	ng	# 63
22) Acetophenone	7.06	105	525827	37.927	ng	# 90
24) Nitrobenzene	7.24	77	394644	36.007	ng	# 96
25) Isophorone	7.47	82	689498	35.417	ng	# 99
26) 2-Nitrophenol	7.55	139	188214	42.532	ng	# 80
27) 2,4-Dimethylphenol	7.60	122	319565	37.882	ng	# 96
28) bis(2-Chloroethoxy)methane	7.69	93	436397	36.737	ng	# 99
29) 2,4-Dichlorophenol	7.80	162	298803	42.589	ng	# 96
30) 1,2,4-Trichlorobenzene	7.87	180	310708	40.712	ng	# 100
31) Naphthalene	7.95	128	1041290	39.267	ng	# 99
32) Benzoic acid	7.75	122	120089	25.667	ng	# 94
33) 4-Chloroaniline	8.02	127	313951	29.131	ng	# 99
34) Hexachlorobutadiene	8.07	225	162967	41.595	ng	# 99
35) Caprolactam	8.39	113	13301	5.498	ng	# 1
36) 4-Chloro-3-methylphenol	8.51	107	330419	37.975	ng	# 86
37) 2-Methylnaphthalene	8.65	142	656959	40.899	ng	# 99
39) 1,2,4,5-Tetrachlorobenzene	8.81	216	248127	37.155	ng	# 99
40) Hexachlorocyclopentadiene	8.79	237	18447	18.104	ng	# 90

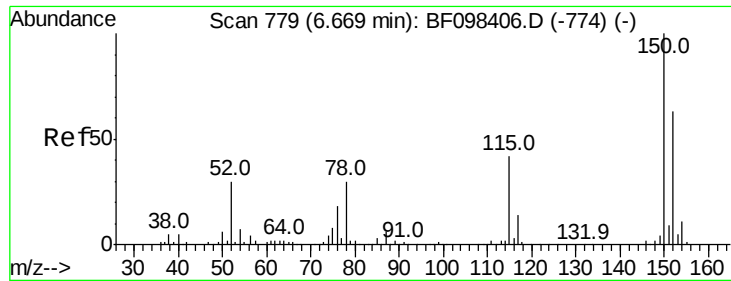
Data Path : Z:\HPCHEM1\BNA F\DATA\BF091517\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.93	196	168466	42.948	nq	90
43) 2,4,5-Trichlorophenol	8.98	196	172184	41.996	nq	94
45) 1,1'-Biphenyl	9.11	154	708157	36.904	nq	98
46) 2-Chloronaphthalene	9.13	162	534269	38.985	nq	# 92
47) 2-Nitroaniline	9.24	65	204254	38.831	nq	93
48) Acenaphthylene	9.55	152	778318	38.197	nq	99
49) Dimethylphthalate	9.42	163	810352	48.829	nq	100
50) 2,6-Dinitrotoluene	9.49	165	140669	41.265	nq	# 88
51) Acenaphthene	9.72	154	488519	37.716	nq	99
52) 3-Nitroaniline	9.65	138	135636	32.961	nq	97
53) 2,4-Dinitrophenol	9.77	184	21560	20.479	nq	# 84
54) Dibenzofuran	9.89	168	704588	41.291	nq	98
55) 4-Nitrophenol	9.84	139	158581	67.076	nq	# 37
56) 2,4-Dinitrotoluene	9.89	165	173951	41.973	nq	# 58
57) Fluorene	10.23	166	533487	37.772	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.02	232	125542	45.562	nq	98
59) Diethylphthalate	10.12	149	633361	40.129	nq	98
60) 4-Chlorophenyl-phenylether	10.22	204	257685	39.500	nq	95
61) 4-Nitroaniline	10.27	138	122595	29.500	nq	84
62) Azobenzene	10.39	77	571173	33.577	nq	95
64) 4,6-Dinitro-2-methylphenol	10.30	198	24045	14.951	nq	83
65) n-Nitrosodiphenylamine	10.35	169	494344	43.258	nq	99
66) 4-Bromophenyl-phenylether	10.72	248	144155	43.157	nq	94
67) Hexachlorobenzene	10.78	284	134115	39.584	nq	# 81
68) Atrazine	10.89	200	143021	40.653	nq	96
69) Pentachlorophenol	10.99	266	109548	73.645	nq	95
70) Phenanthrene	11.19	178	773704	41.469	nq	98
71) Anthracene	11.25	178	763744	39.871	nq	99
72) Carbazole	11.40	167	700317	39.229	nq	99
73) Di-n-butylphthalate	11.73	149	823932	38.520	nq	100
74) Fluoranthene	12.38	202	712634	38.155	nq	96
77) Pyrene	12.60	202	768874	39.486	nq	99
79) Butylbenzylphthalate	13.23	149	320551	37.946	nq	# 83
80) Benzo(a)anthracene	13.80	228	592132	40.917	nq	98
81) 3,3'-Dichlorobenzidine	13.76	252	144914	25.767	nq	# 96
82) Chrysene	13.83	228	588049	40.199	nq	99
83) Bis(2-ethylhexyl)phthalate	13.79	149	435621	41.089	nq	# 98
84) Di-n-octyl phthalate	14.40	149	742485	40.819	nq	# 94
85) Indeno(1,2,3-cd)pyrene	16.57	276	488420	47.590	nq	94
87) Benzo(b)fluoranthene	14.82	252	616022	39.167	nq	99
88) Benzo(k)fluoranthene	14.84	252	533434	36.330	nq	# 95
89) Benzo(a)pyrene	15.15	252	551477	39.358	nq	100
90) Dibenzo(a,h)anthracene	16.57	278	407158	39.946	nq	96
91) Benzo(g,h,i)perylene	16.97	276	387116	37.760	nq	# 92

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.02 min

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Acq: 16 Sep 2017 1:43

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ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

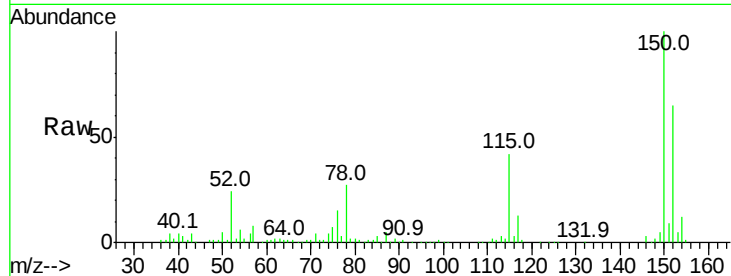
Tot Ion:152 Resp: 130440

Ion Ratio Lower Upper

152 100

150 154.2 126.2 189.2

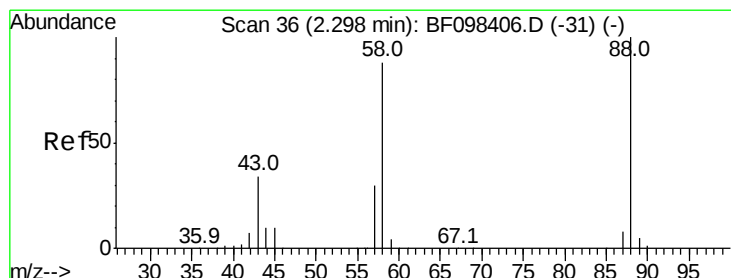
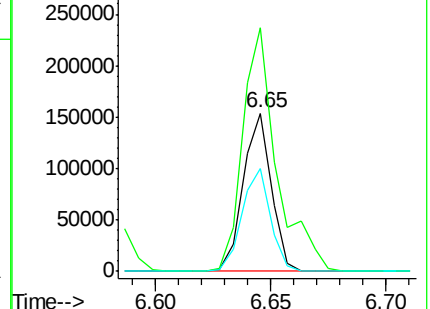
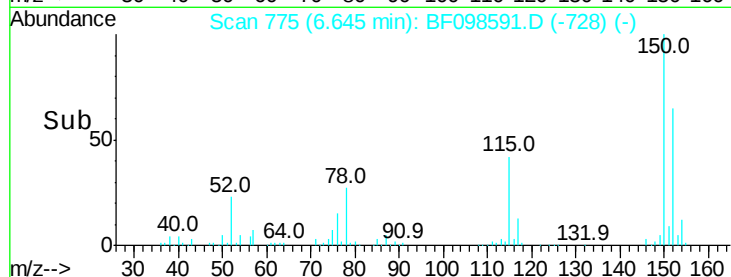
115 65.1 52.2 78.2



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: 26.818 ng

RT: 2.30 min Scan# 37

Delta R.T. 0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

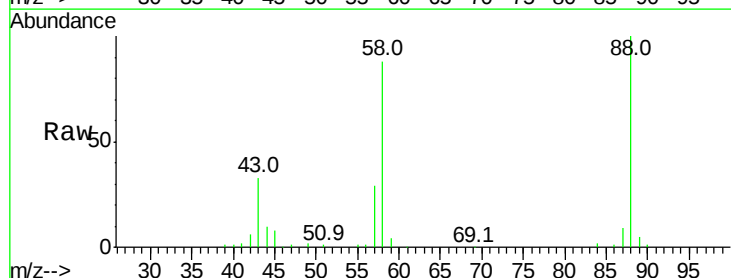
Tgt Ion: 88 Resp: 122114

Ion Ratio Lower Upper

88 100

58 89.7 61.4 92.0

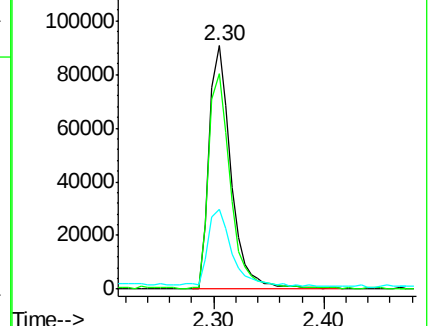
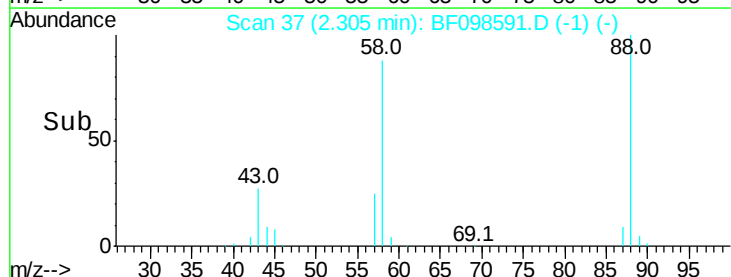
43 35.5 23.4 35.0#

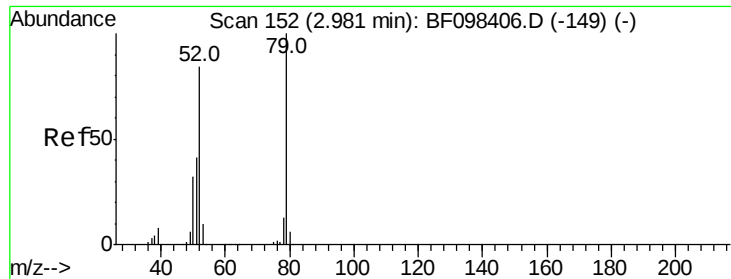


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 12.243 ng

RT: 3.01 min Scan# 157

Delta R.T. 0.03 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

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ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

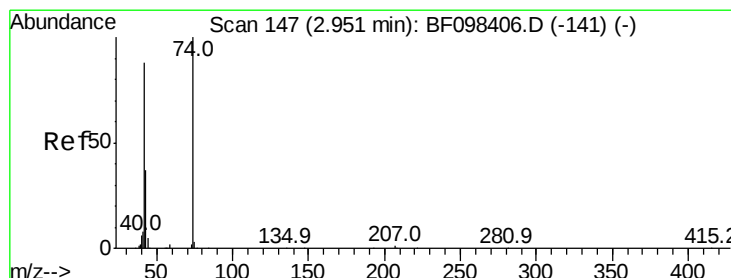
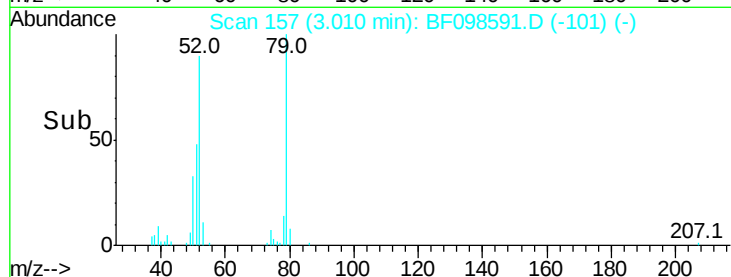
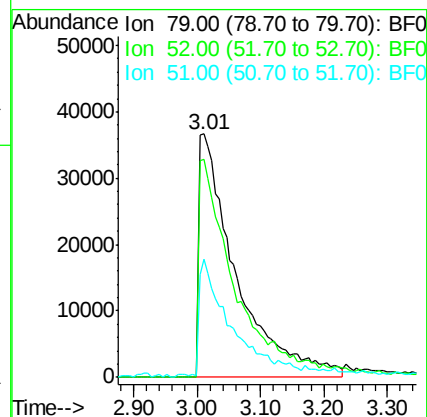
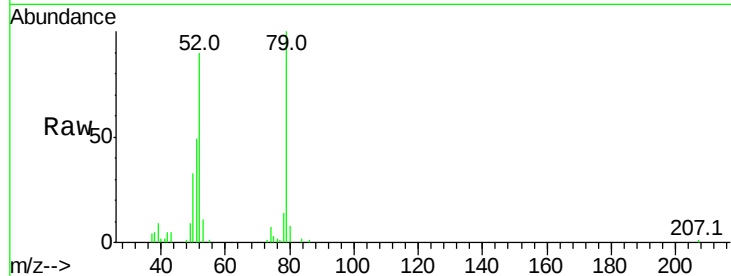
Tot Ion: 79 Resp: 148044

Ion Ratio Lower Upper

79 100

52 89.6 54.8 82.2#

51 48.6 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 27.587 ng

RT: 2.95 min Scan# 146

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

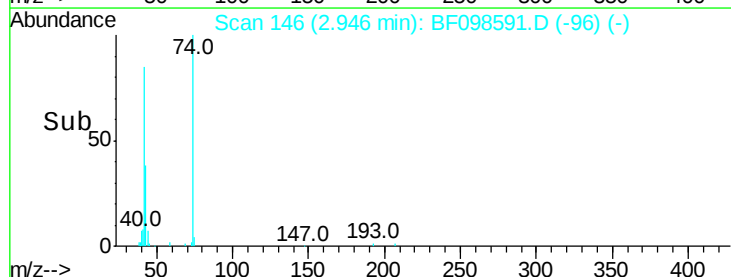
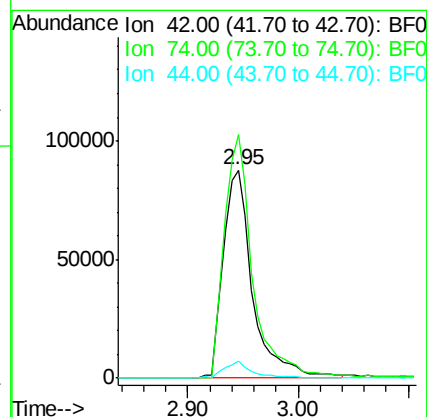
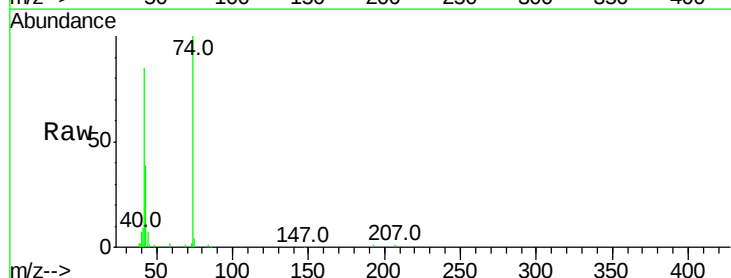
Tgt Ion: 42 Resp: 163551

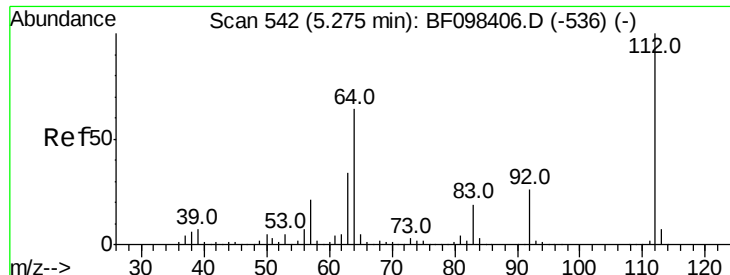
Ion Ratio Lower Upper

42 100

74 117.0 103.9 155.9

44 8.3 5.7 8.5





#5

2-Fluorophenol

Concen: 103.193 ng

RT: 5.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

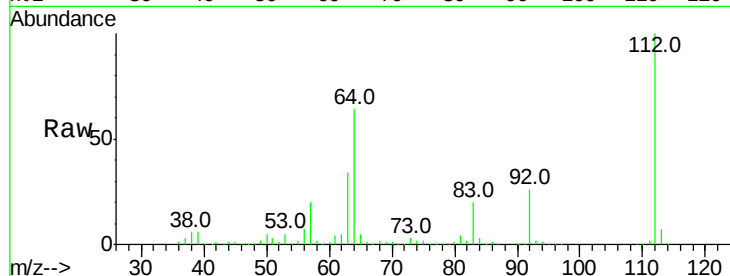
Tot Ion:112 Resp: 910400

Ion Ratio Lower Upper

112 100

64 63.5 46.0 69.0

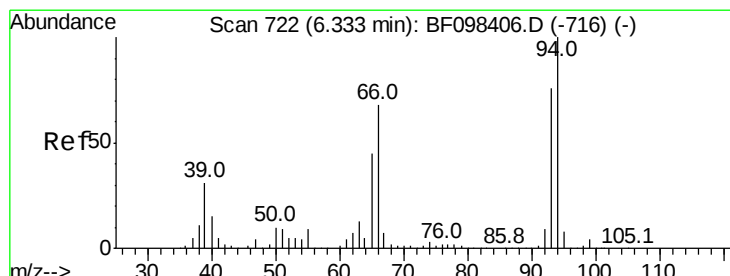
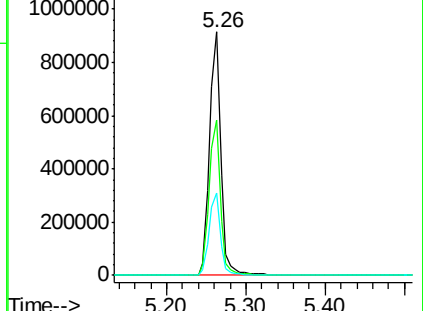
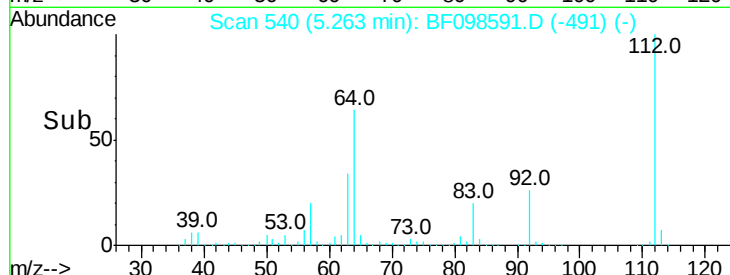
63 33.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 20.325 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

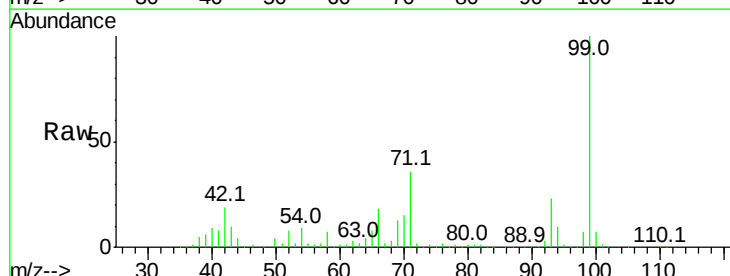
Tgt Ion: 93 Resp: 285615

Ion Ratio Lower Upper

93 100

66 80.2 32.9 49.3#

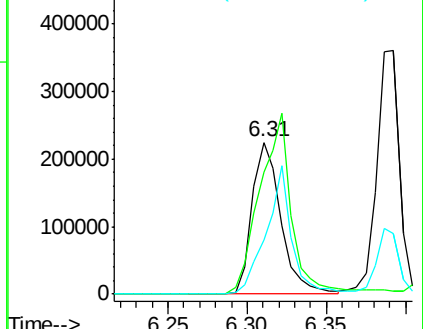
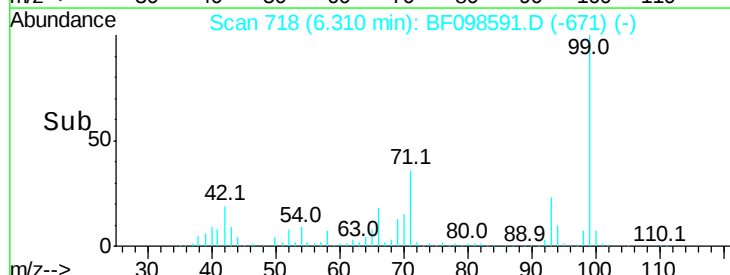
65 35.7 16.0 24.0#

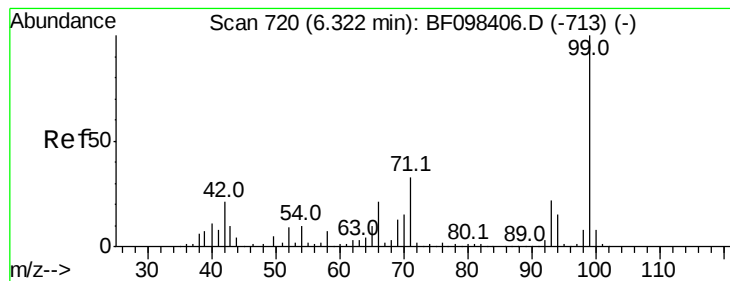


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 110.407 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

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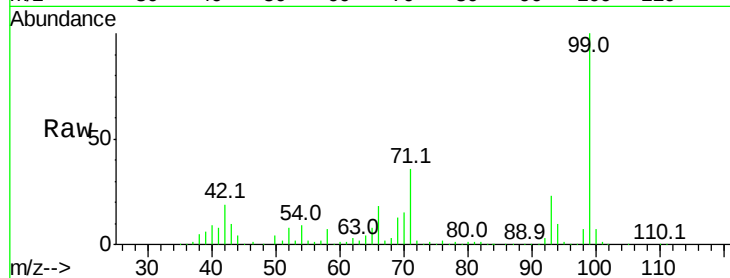
Tot Ion: 99 Resp: 1236709

Ion	Ratio	Lower	Upper
99	100		
42	19.2	13.5	20.3
71	35.5	24.5	36.7

99 100

42 19.2 13.5 20.3

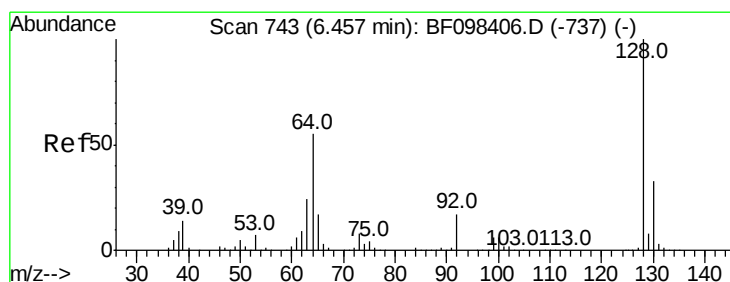
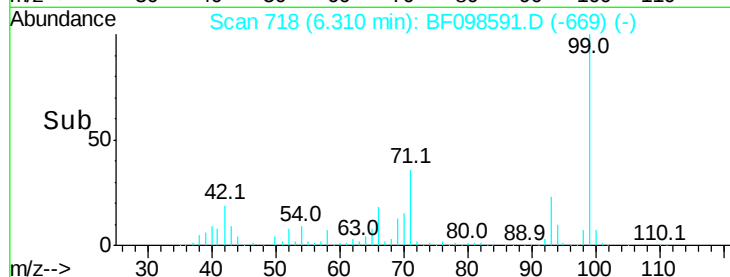
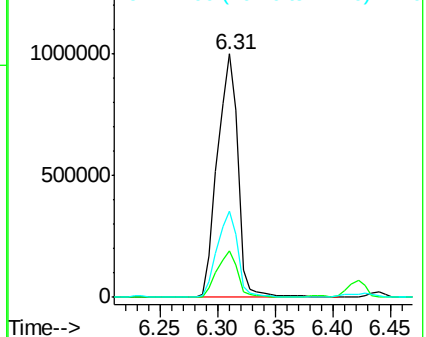
71 35.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 38.028 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.02 min

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Acq: 16 Sep 2017 1:43

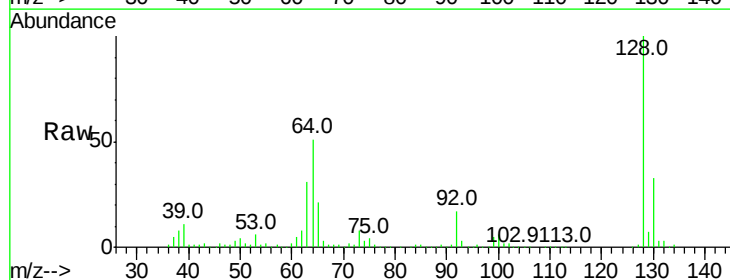
Tgt Ion: 128 Resp: 368917

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.9	52.9
64	50.6	28.4	68.4

128 100

130 33.4 12.9 52.9

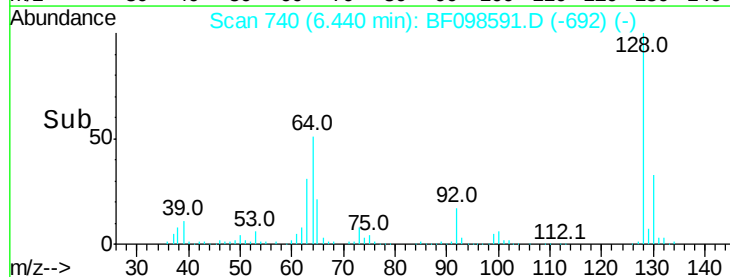
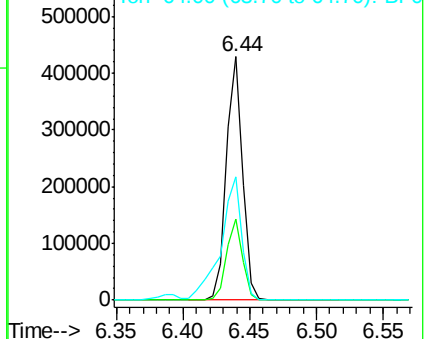
64 50.6 28.4 68.4

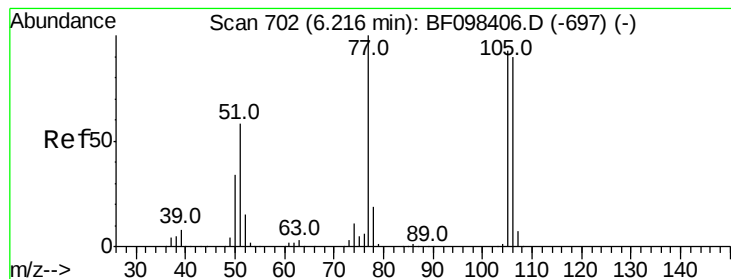


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 27.104 ng

RT: 6.19 min Scan# 698

Delta R.T. -0.02 min

Lab File: BF098591.D

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Instrument :

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ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

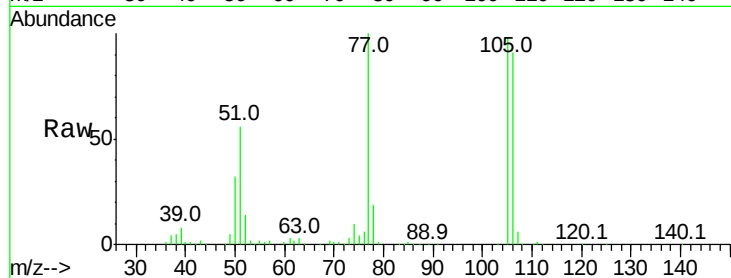
Tot Ion: 77 Resp: 198463

Ion Ratio Lower Upper

77 100

105 98.1 83.8 123.8

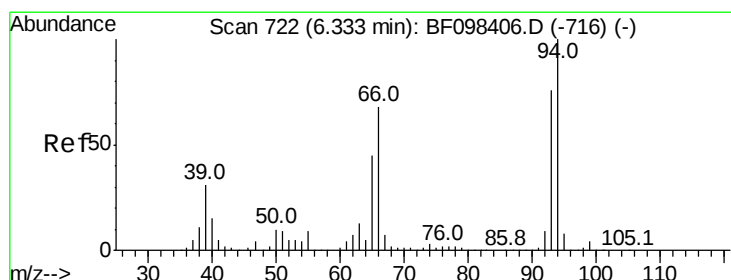
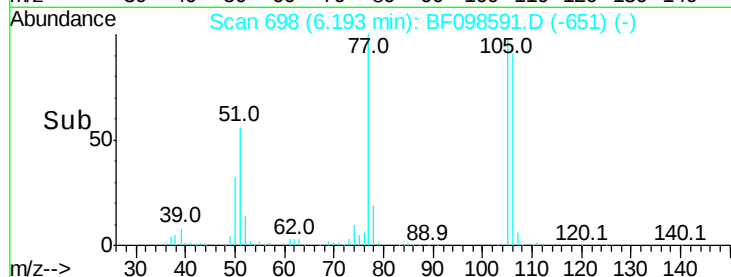
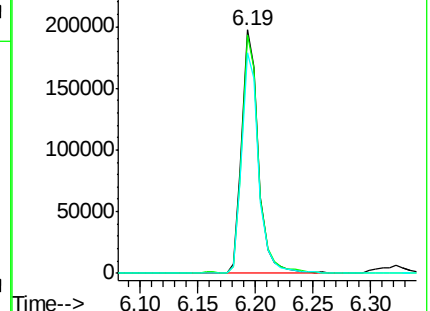
106 90.8 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 38.773 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

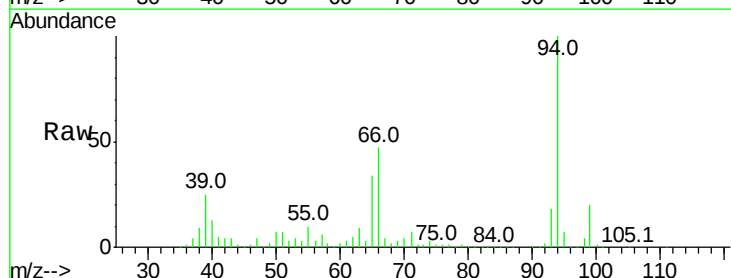
Tgt Ion: 94 Resp: 504464

Ion Ratio Lower Upper

94 100

65 33.5 9.9 49.9

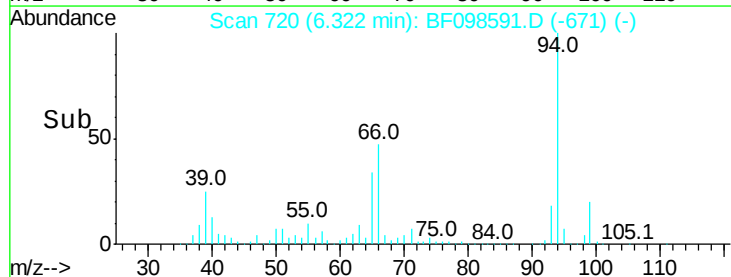
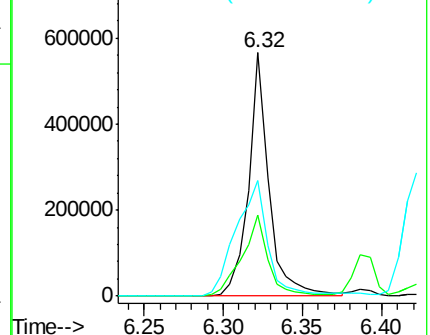
66 47.3 23.1 63.1

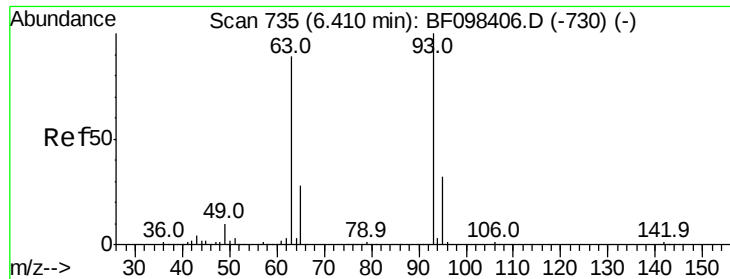


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 37.153 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

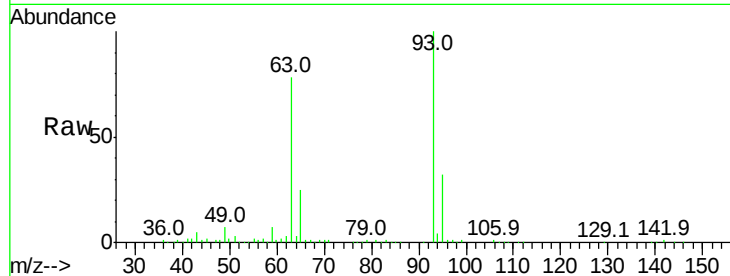
Tot Ion: 93 Resp: 364453

Ion Ratio Lower Upper

93 100

63 78.1 59.2 99.2

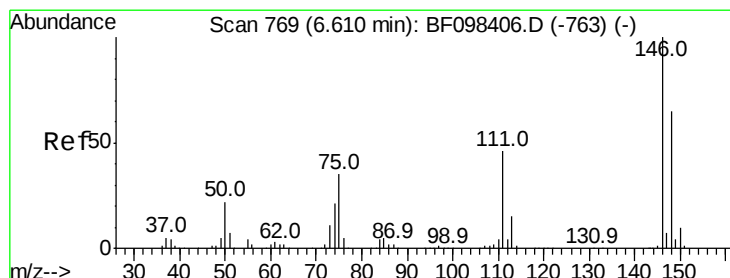
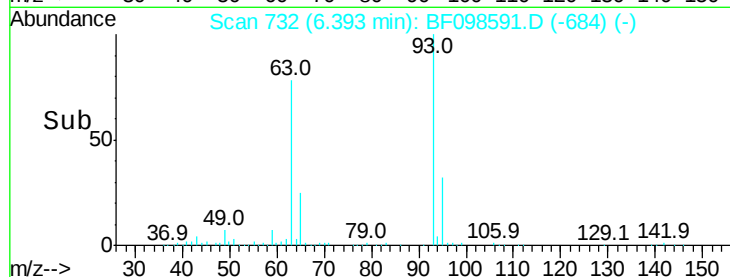
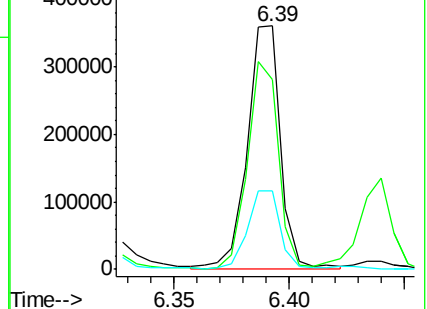
95 32.3 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 37.368 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

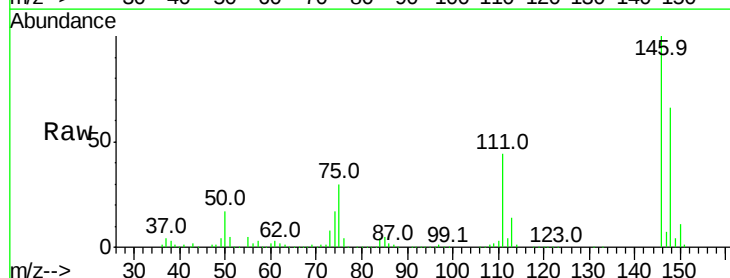
Tgt Ion: 146 Resp: 364877

Ion Ratio Lower Upper

146 100

148 66.0 51.8 77.6

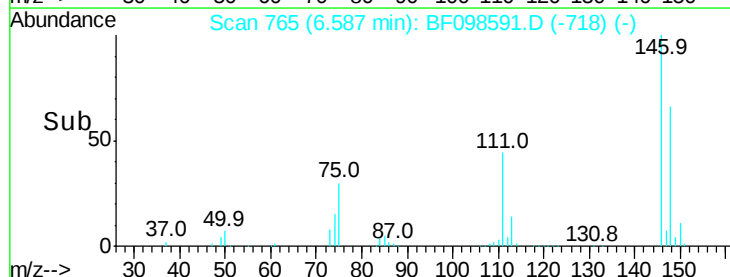
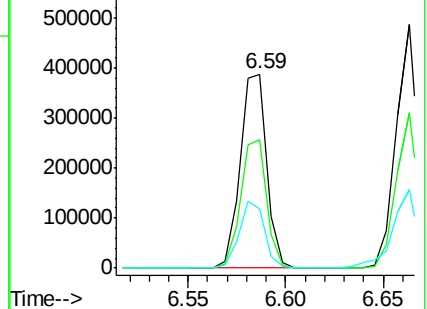
75 30.4 23.1 34.7

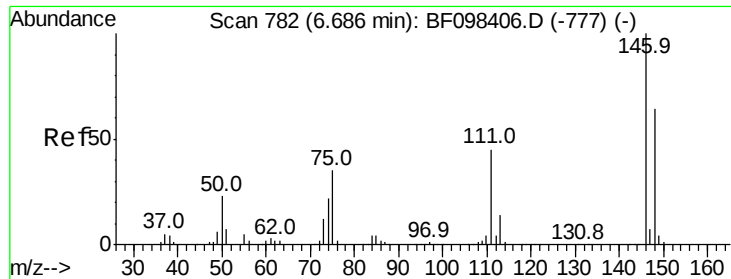


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

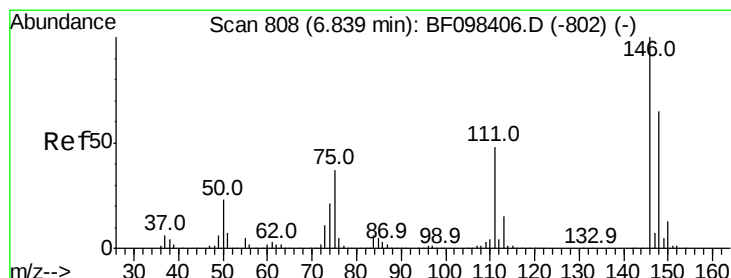
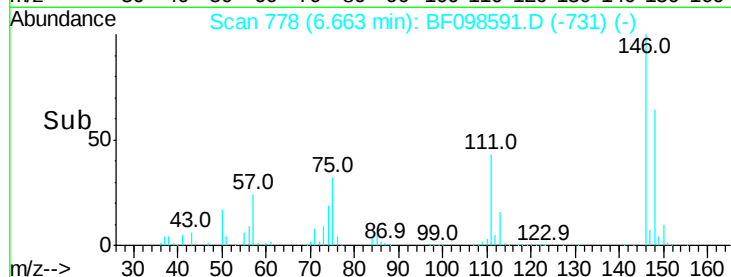
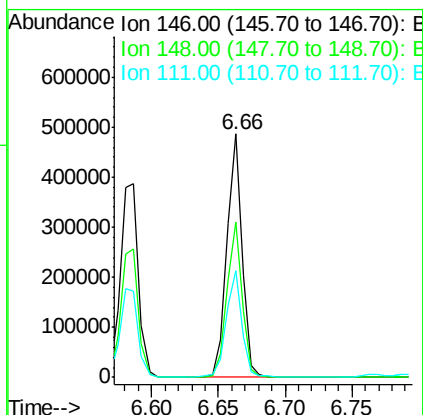
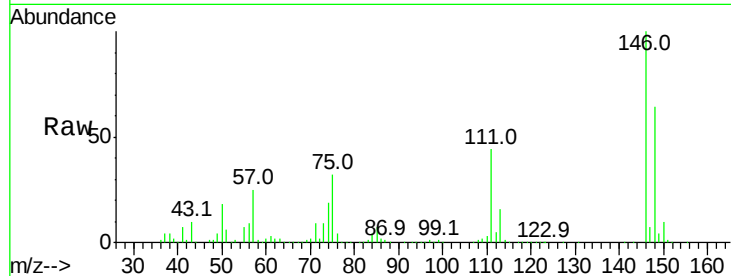




#13
 1,4-Dichlorobenzene
 Concen: 39.492 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

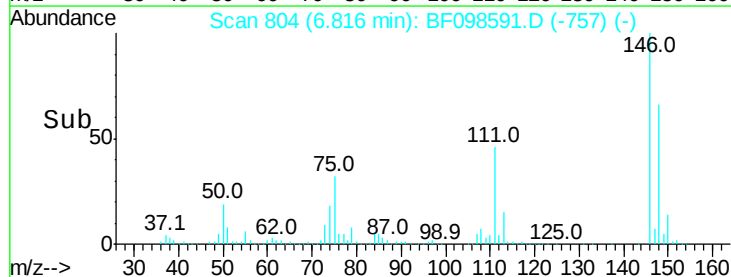
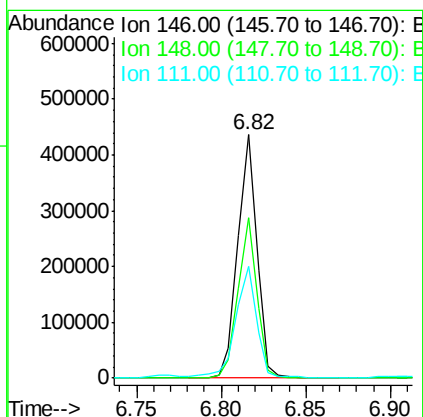
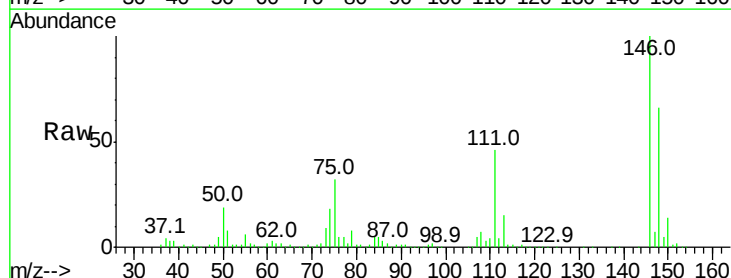
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDEMSD

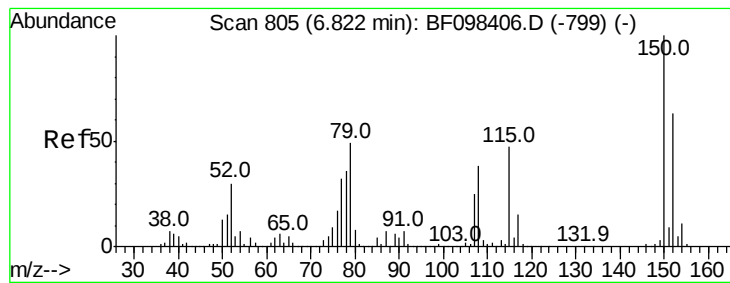
Tot Ion:146 Resp: 394994
 Ion Ratio Lower Upper
 146 100
 148 64.0 52.2 78.2
 111 43.8 30.3 45.5



#14
 1,2-Dichlorobenzene
 Concen: 37.870 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Tgt Ion:146 Resp: 345078
 Ion Ratio Lower Upper
 146 100
 148 65.7 50.4 75.6
 111 46.2 38.2 57.4





#15

Benzyl Alcohol

Concen: 41.001 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

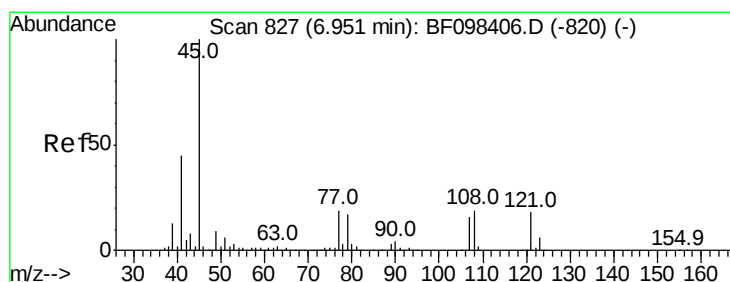
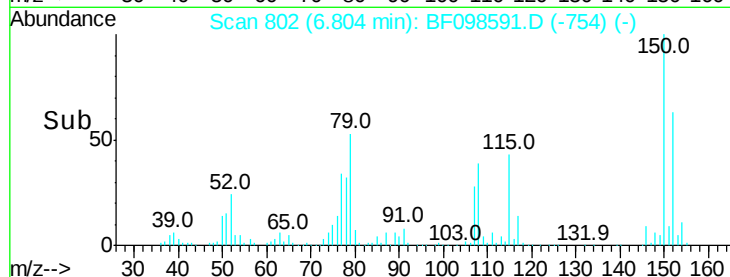
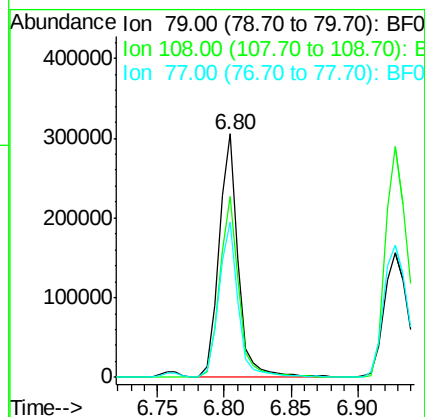
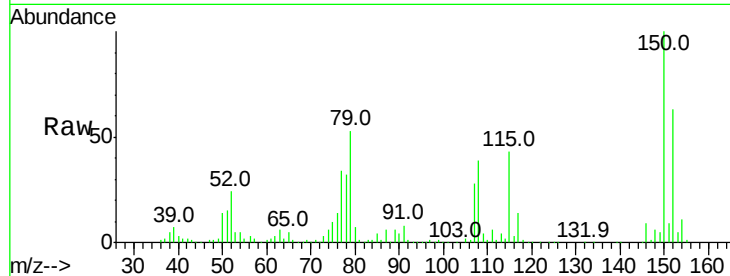
Tot Ion: 79 Resp: 305658

Ion Ratio Lower Upper

79 100

108 74.0 63.4 95.0

77 63.9 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 31.458 ng

RT: 6.93 min Scan# 823

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

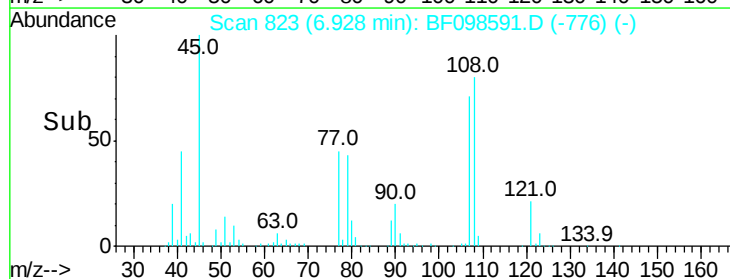
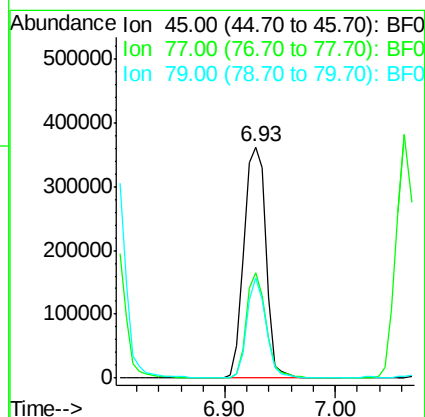
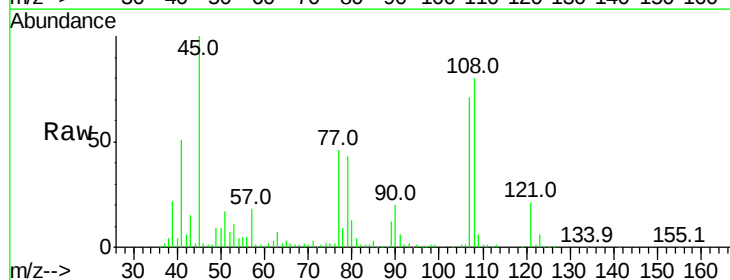
Tgt Ion: 45 Resp: 507732

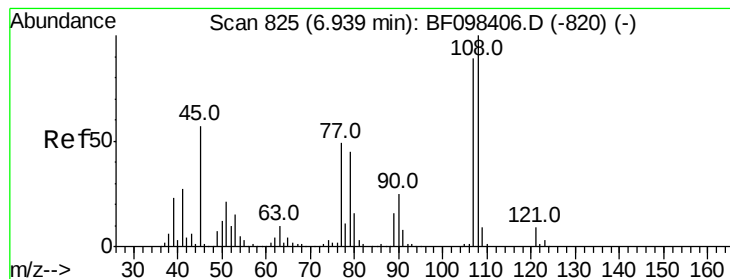
Ion Ratio Lower Upper

45 100

77 45.9 0.0 33.2#

79 43.3 0.0 30.0#





#17

2-Methylphenol

Concen: 37.824 ng

RT: 6.93 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

Tot Ion:107 Resp: 299209

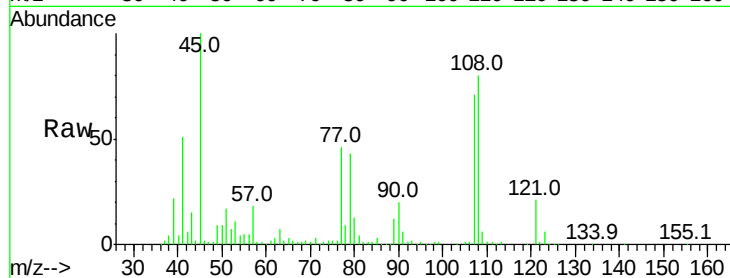
Ion Ratio Lower Upper

107 100

108 112.4 93.4 140.0

77 64.3 35.8 53.6#

79 60.6 34.8 52.2#

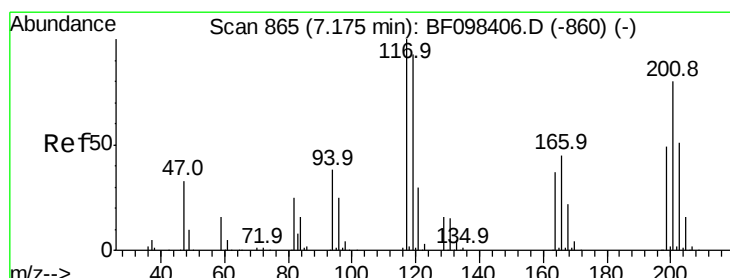
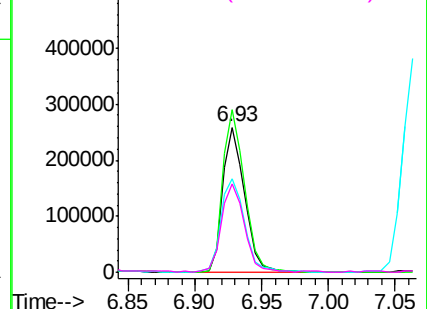
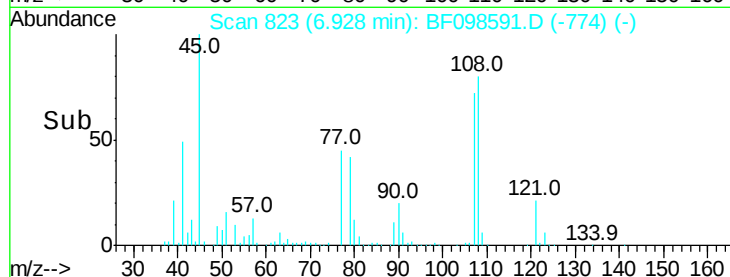


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 32.140 ng

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

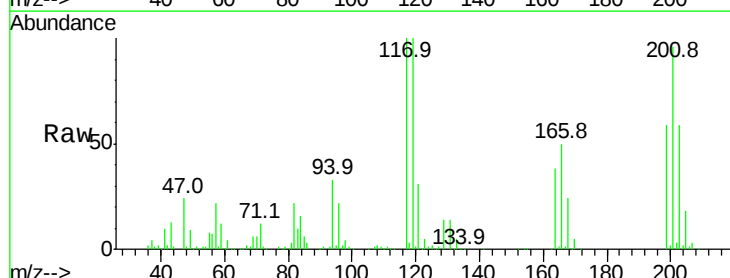
Tgt Ion:117 Resp: 123108

Ion Ratio Lower Upper

117 100

119 100.2 77.4 116.0

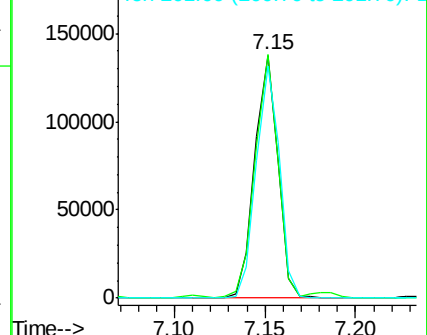
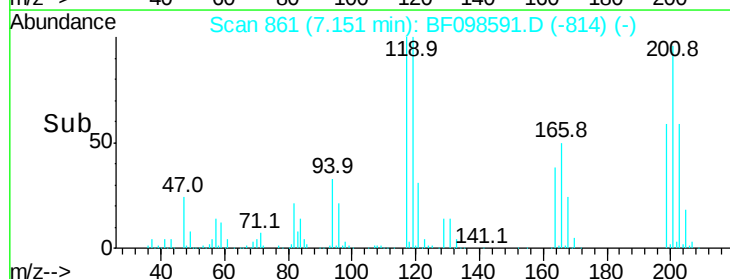
201 95.8 94.6 141.8

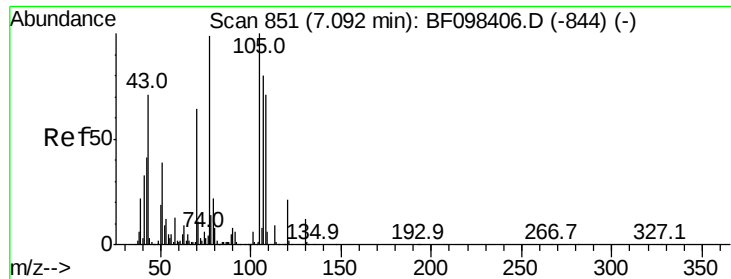


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

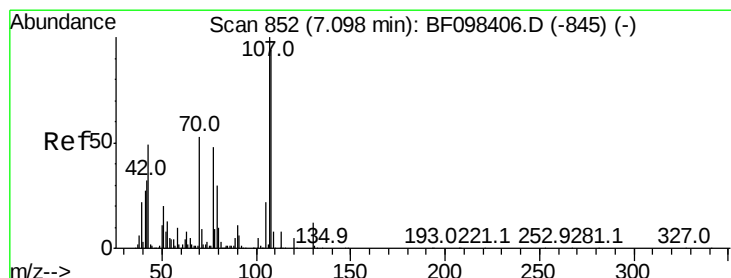
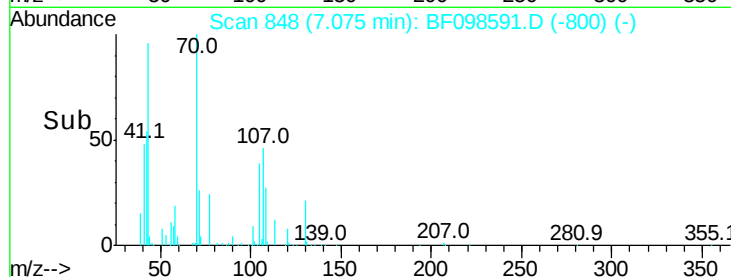
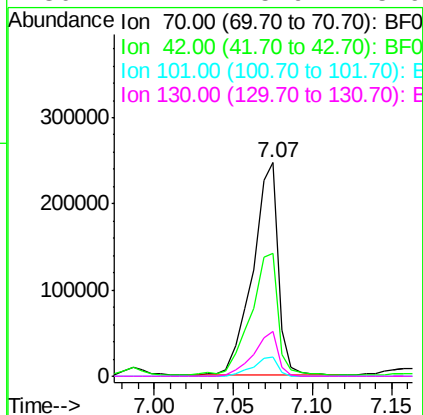
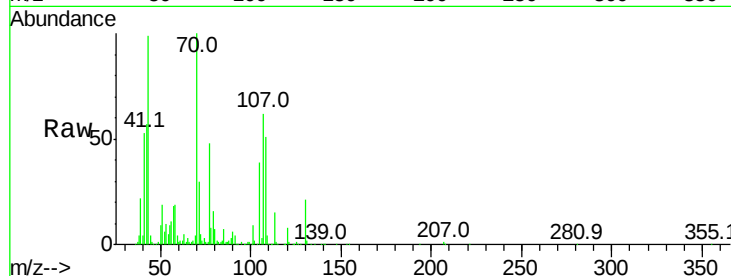




#19
n-Nitroso-di-n-propylamine
Concen: 39.282 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.02 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

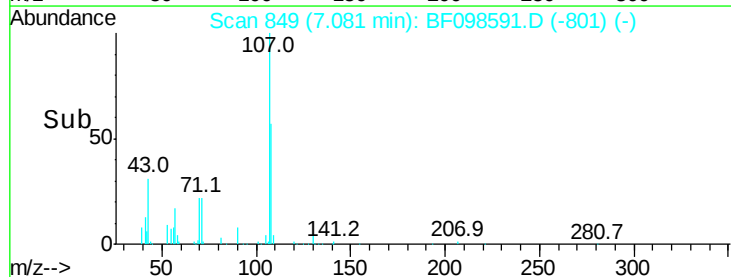
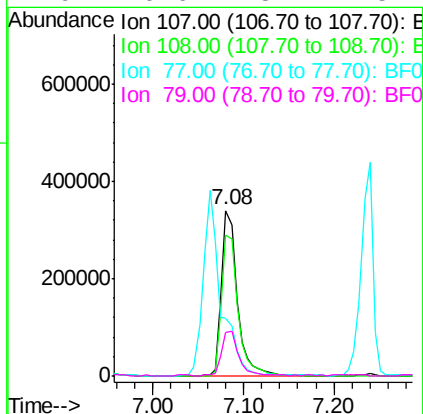
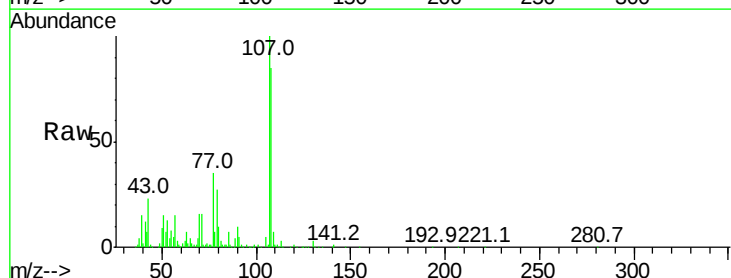
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-INSIDEMSD

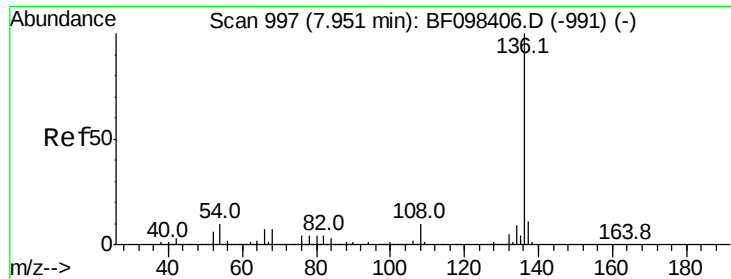
Tot Ion: 70 Resp: 276775
Ion Ratio Lower Upper
70 100
42 57.4 47.2 70.8
101 9.2 7.2 10.8
130 21.1 15.9 23.9



#20
3+4-Methylphenols
Concen: 41.150 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.02 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Tgt Ion:107 Resp: 410794
Ion Ratio Lower Upper
107 100
108 84.8 71.0 111.0
77 34.9 90.5 130.5#
79 26.6 8.4 48.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

Tot Ion:136 Resp: 536422

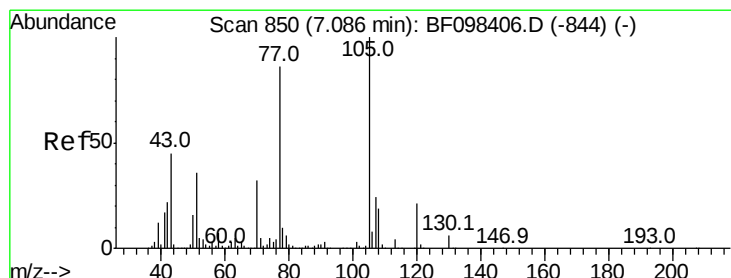
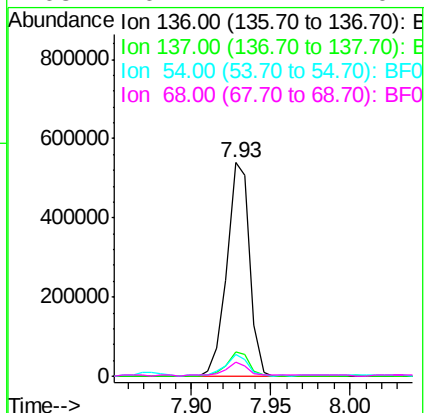
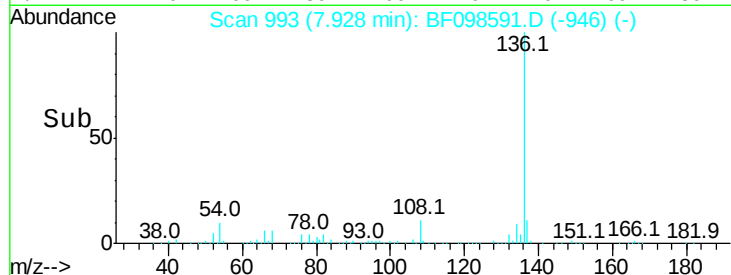
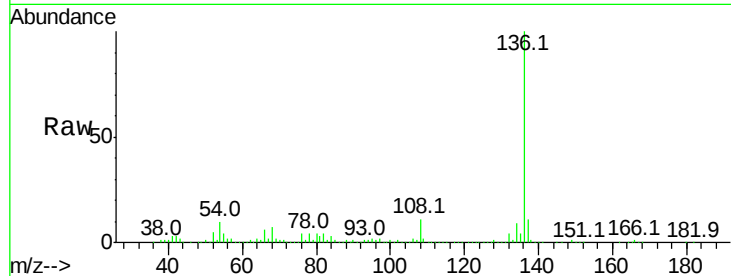
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 10.1 4.9 7.3#

68 6.7 4.1 6.1#



#22

Acetophenone

Concen: 37.927 ng

RT: 7.06 min Scan# 846

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Tgt Ion:105 Resp: 525827

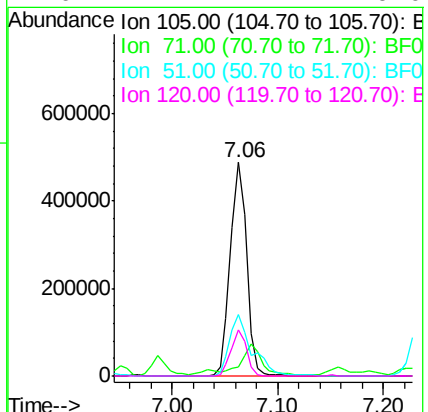
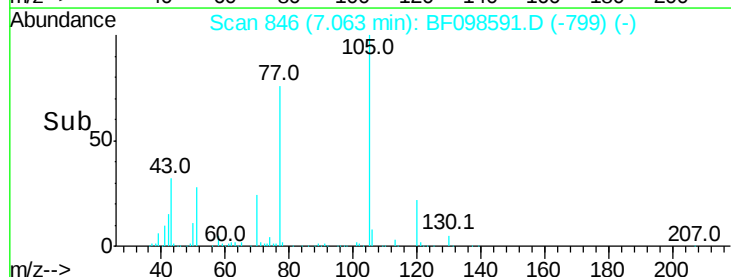
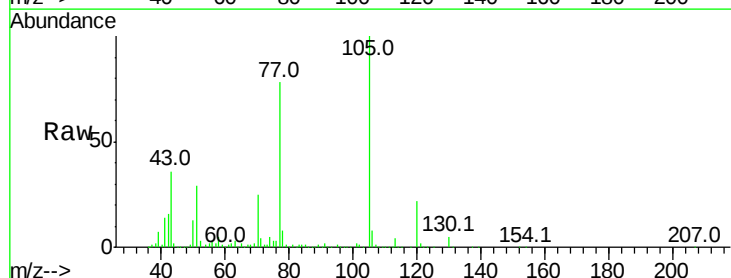
Ion Ratio Lower Upper

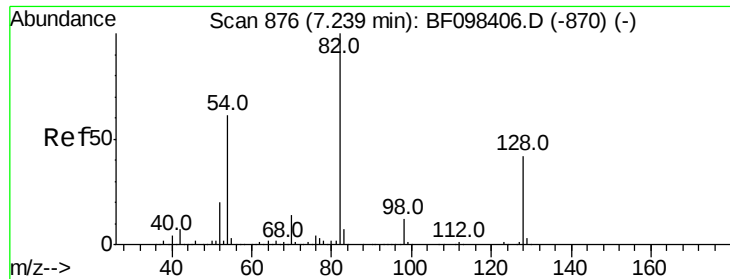
105 100

71 4.5 2.8 4.2#

51 28.8 30.7 46.1#

120 21.7 17.4 26.0

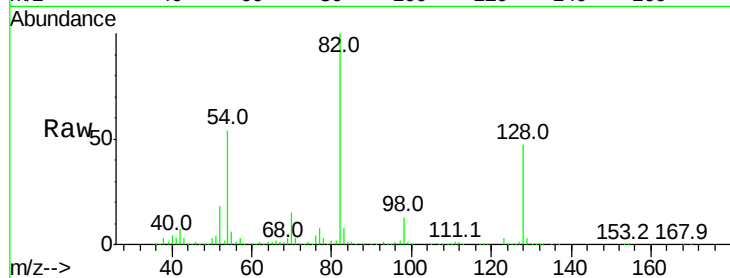




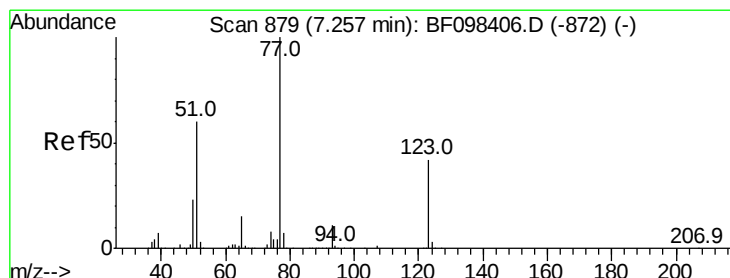
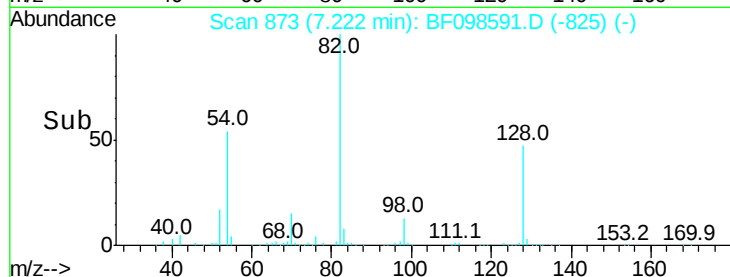
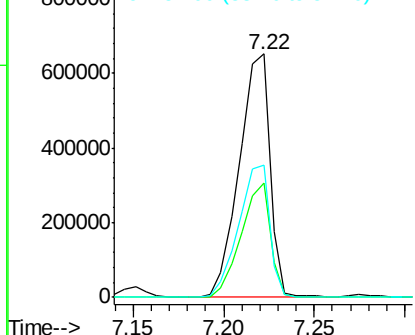
#23
Nitrobenzene-d5
Concen: 79.579 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.02 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-INSIDEMSD

Tot Ion: 82 Resp: 765712
Ion Ratio Lower Upper
82 100
128 46.9 34.0 51.0
54 54.5 42.2 63.2

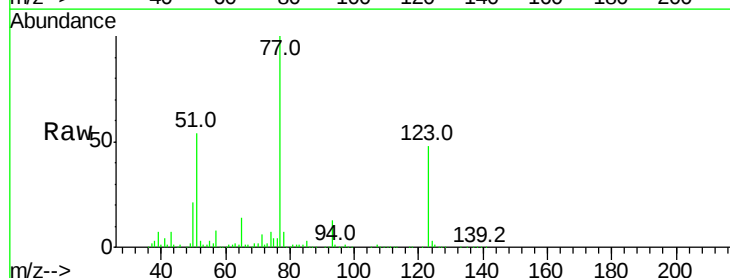


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

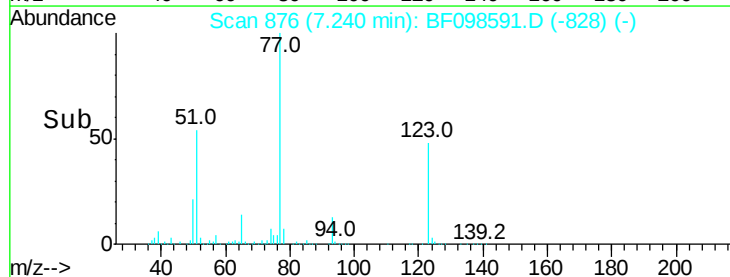
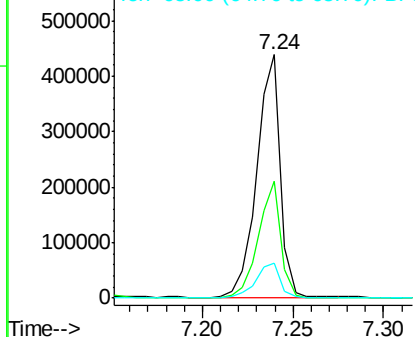


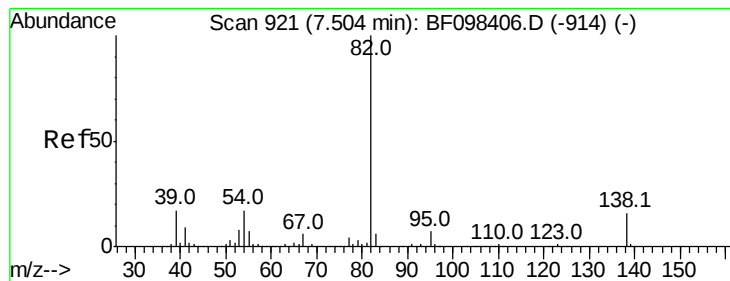
#24
Nitrobenzene
Concen: 36.007 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Tgt Ion: 77 Resp: 394644
Ion Ratio Lower Upper
77 100
123 47.8 35.8 53.8
65 14.5 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): BF0
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 35.417 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

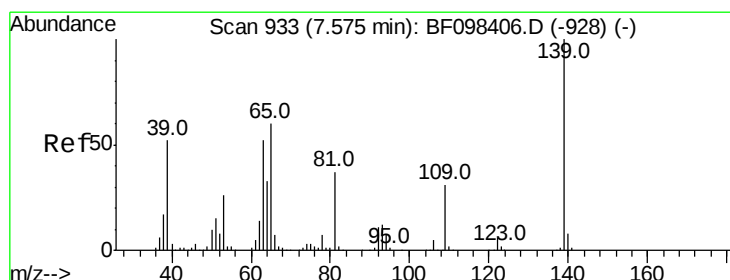
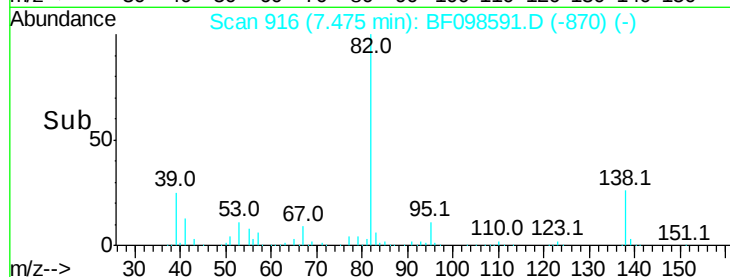
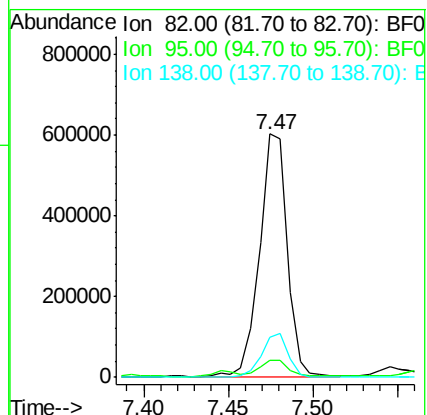
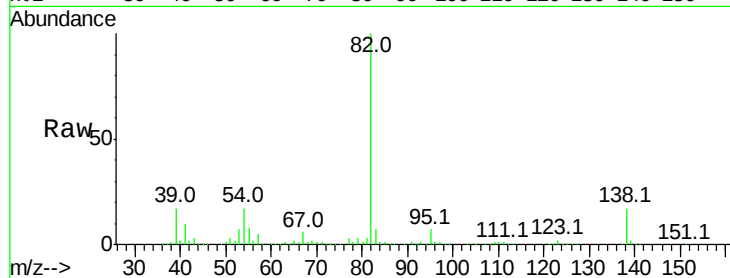
Tot Ion: 82 Resp: 689498

Ion Ratio Lower Upper

82 100

95 7.2 5.3 7.9

138 16.7 13.1 19.7



#26

2-Nitrophenol

Concen: 42.532 ng

RT: 7.55 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

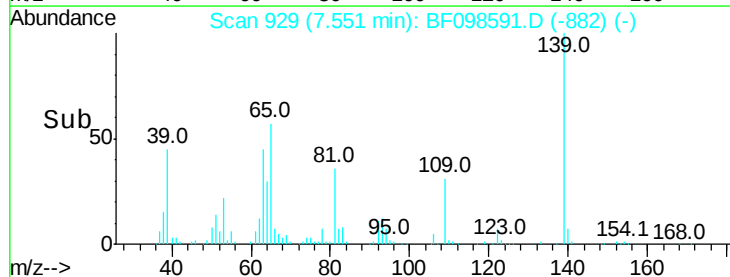
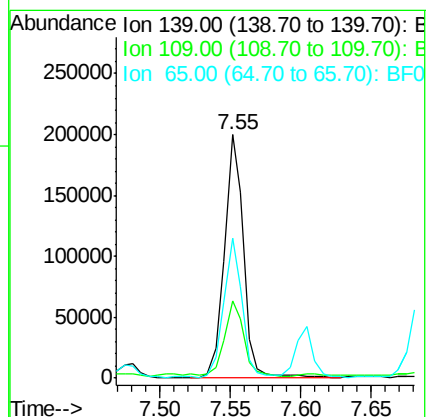
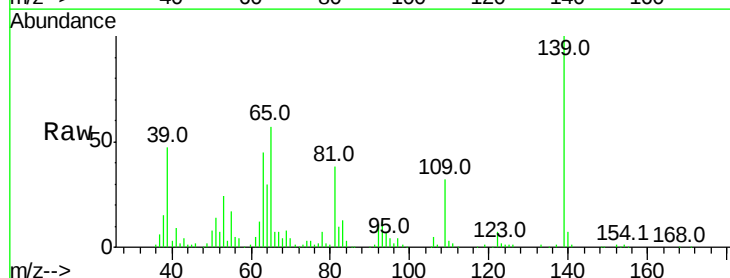
Tgt Ion:139 Resp: 188214

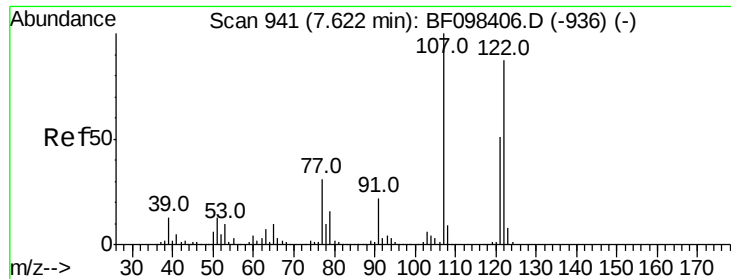
Ion Ratio Lower Upper

139 100

109 31.6 21.0 31.6#

65 57.4 33.0 49.6#

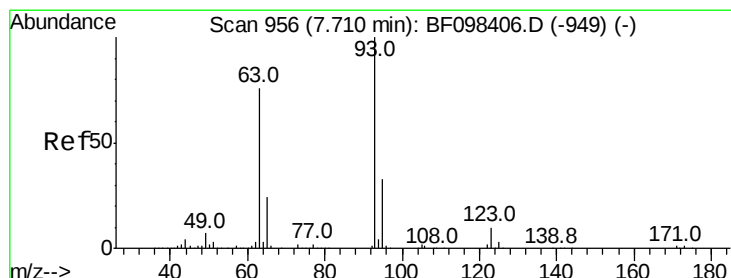
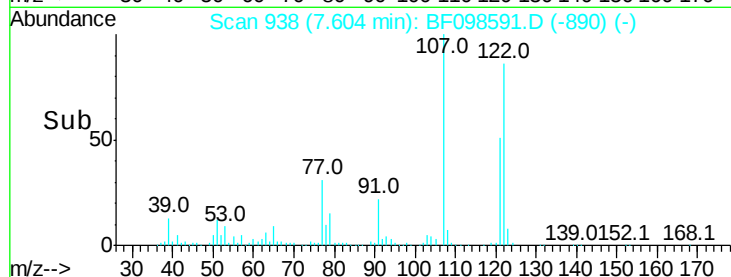
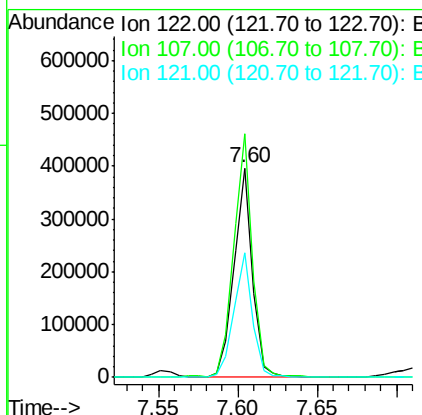
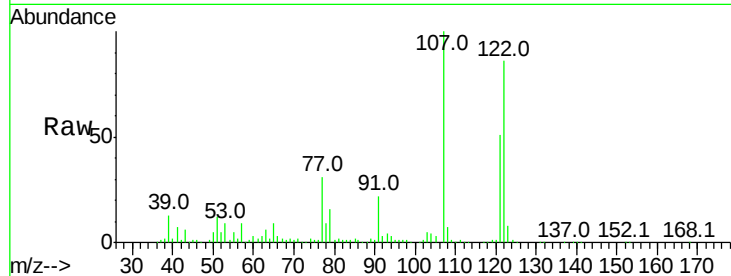




#27
 2,4-Dimethylphenol
 Concen: 37.882 ng
 RT: 7.60 min Scan# 938
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

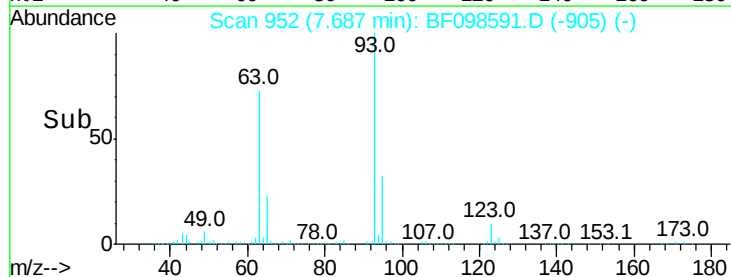
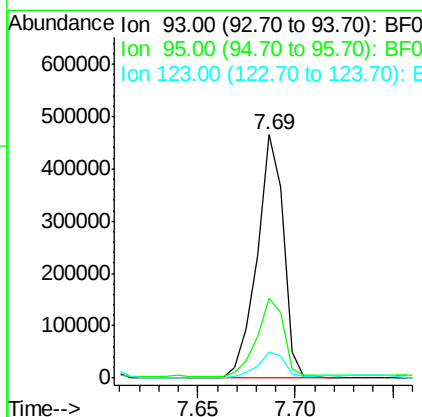
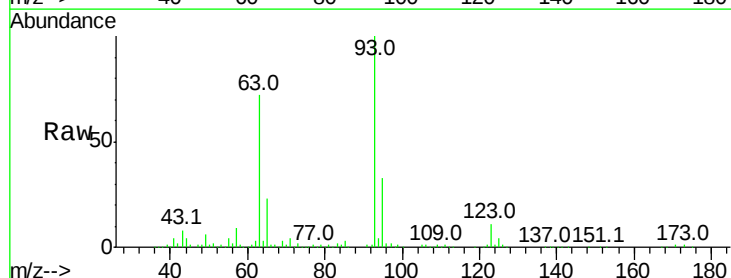
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDEMSD

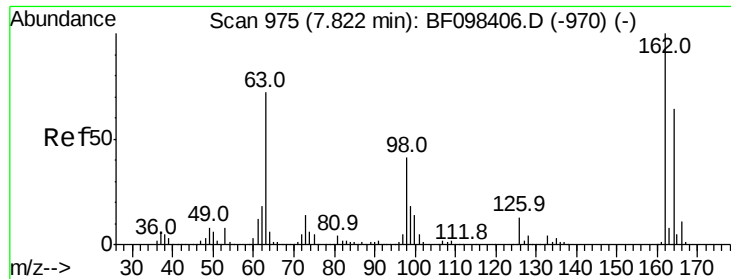
Tot Ion:122 Resp: 319565
 Ion Ratio Lower Upper
 122 100
 107 116.4 89.2 133.8
 121 59.6 45.2 67.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 36.737 ng
 RT: 7.69 min Scan# 952
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Tgt Ion: 93 Resp: 436397
 Ion Ratio Lower Upper
 93 100
 95 32.9 26.5 39.7
 123 10.6 9.0 13.4

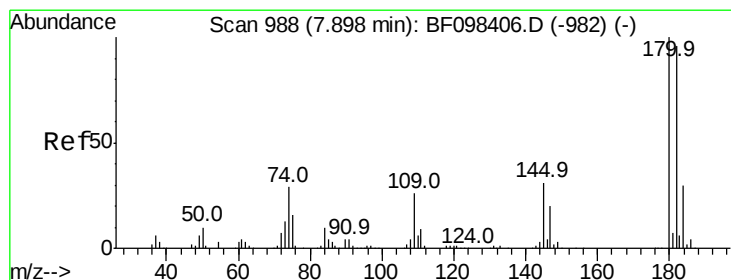
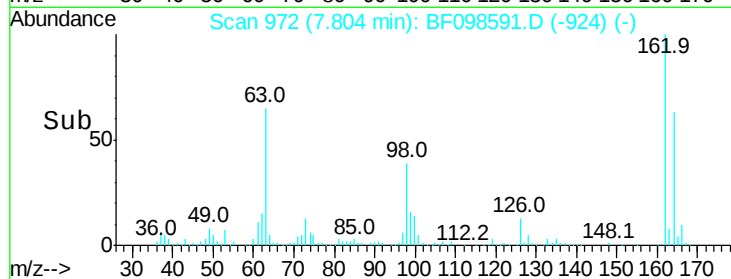
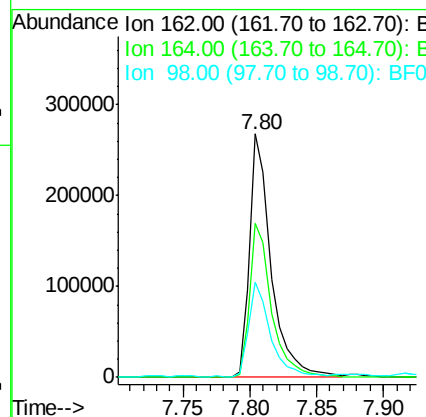
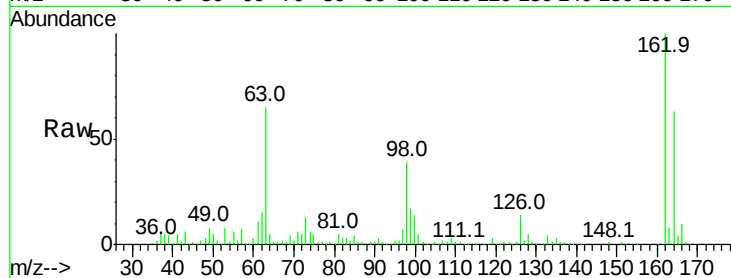




#29
 2,4-Dichlorophenol
 Concen: 42.589 ng
 RT: 7.80 min Scan# 972
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

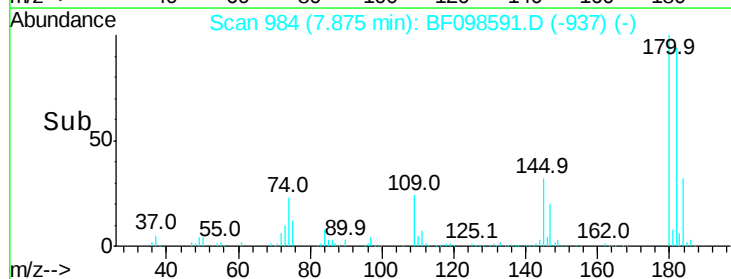
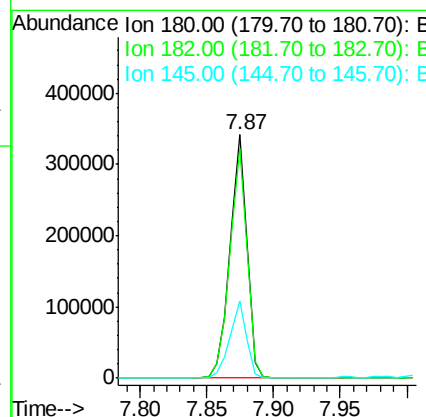
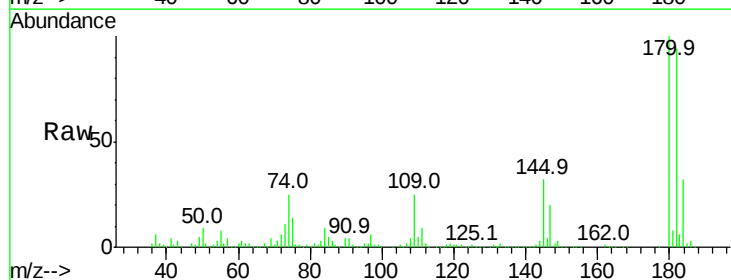
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDEMSD

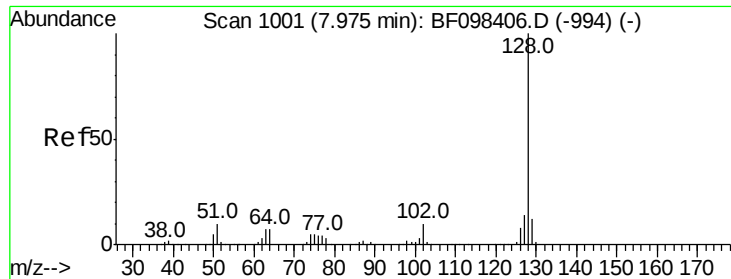
Tot Ion:162 Resp: 298803
 Ion Ratio Lower Upper
 162 100
 164 63.0 44.6 84.6
 98 39.1 14.8 54.8



#30
 1,2,4-Trichlorobenzene
 Concen: 40.712 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Tgt Ion:180 Resp: 310708
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.8 113.6
 145 32.0 25.3 37.9

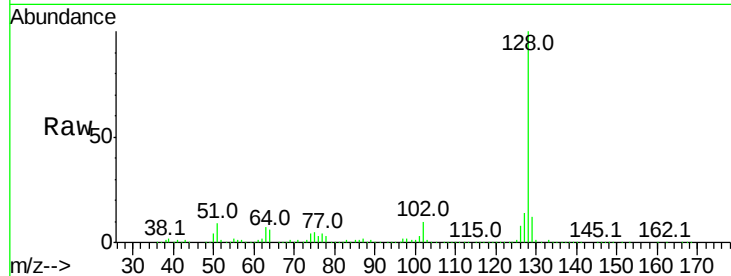




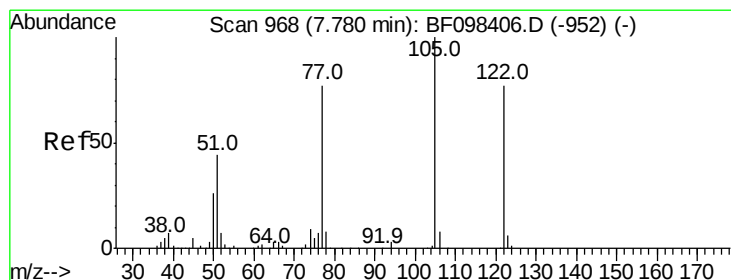
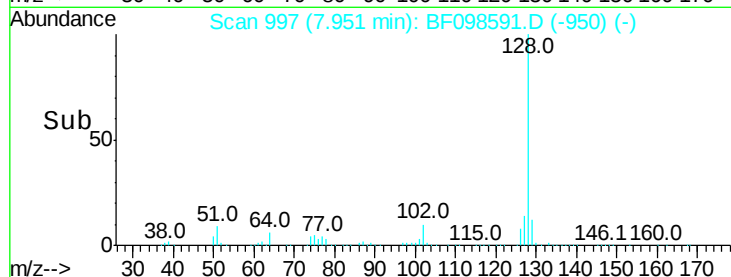
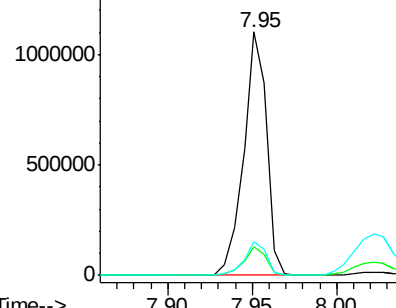
#31
Naphthalene
Concen: 39.267 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.02 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-INSIDEMSD

Tot Ion:128 Resp: 1041290
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 14.0 10.8 16.2

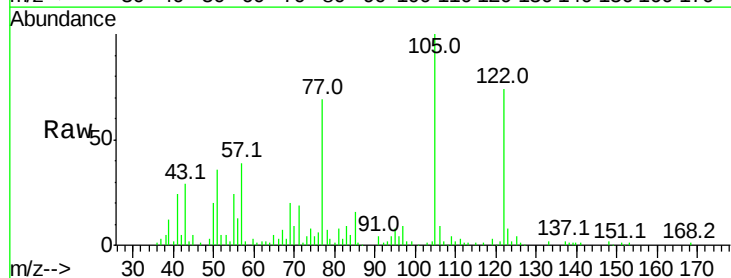


Abundance Ion 128.00 (127.70 to 128.70): E
1500000 Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

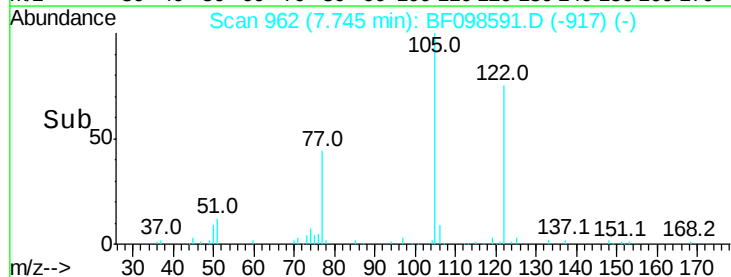
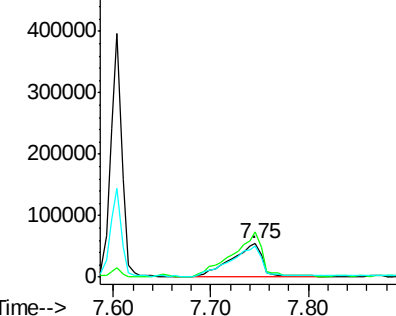


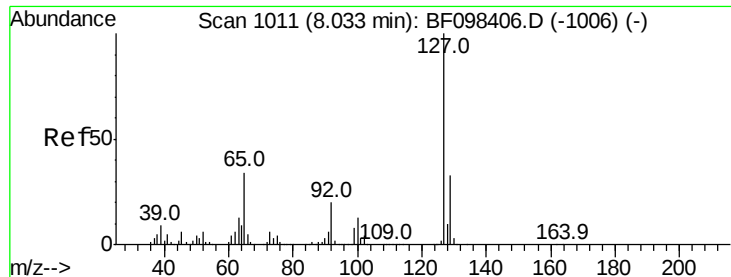
#32
Benzoic acid
Concen: 25.667 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.03 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Tgt Ion:122 Resp: 120089
Ion Ratio Lower Upper
122 100
105 135.2 103.3 143.3
77 93.9 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E
500000 Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

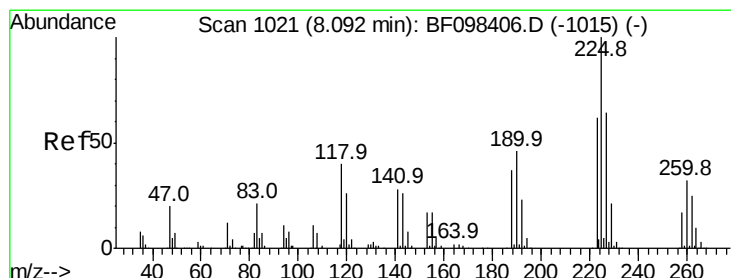
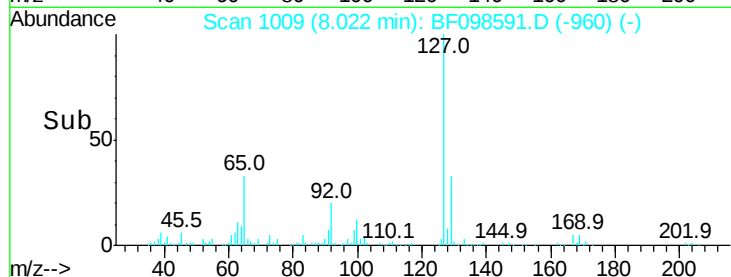
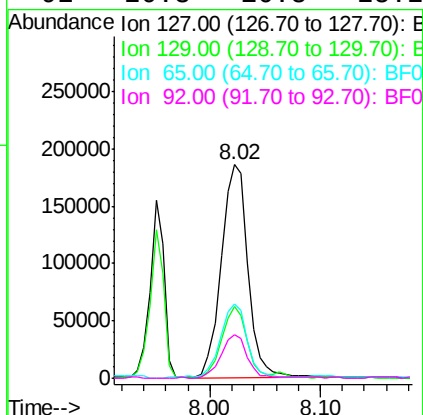
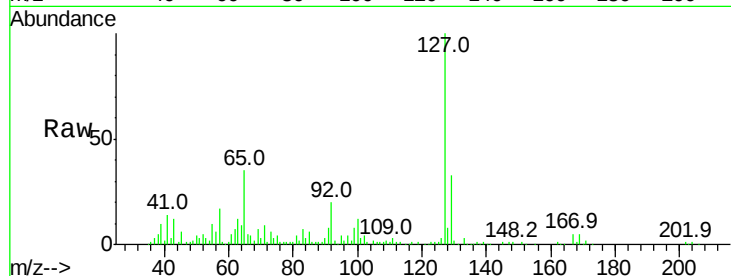




#33
4-Chloroaniline
Concen: 29.131 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

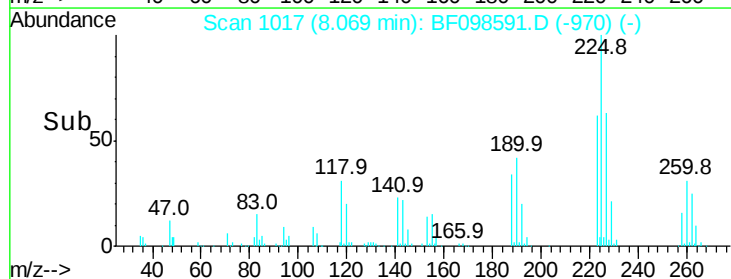
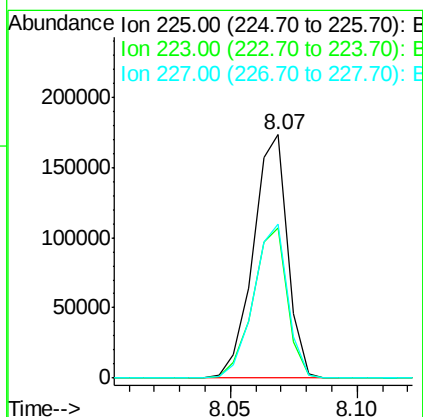
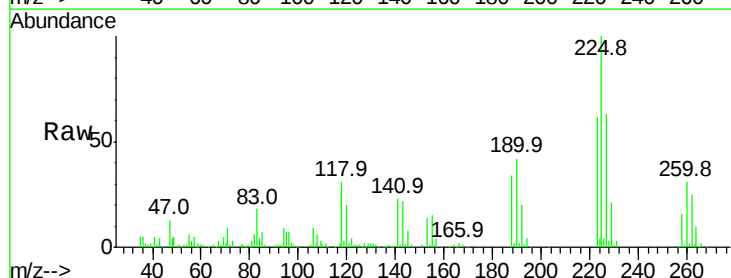
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-INSIDEMSD

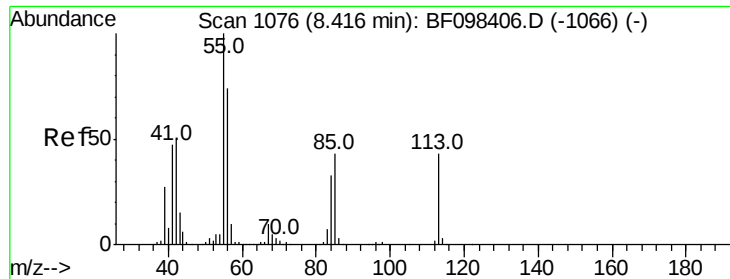
Tot Ion:	127	Resp:	313951
Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.2	39.2
65	34.7	27.8	41.8
92	20.3	16.8	25.2



#34
Hexachlorobutadiene
Concen: 41.595 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.02 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Tgt Ion:	225	Resp:	162967
Ion	Ratio	Lower	Upper
225	100		
223	61.9	48.8	73.2
227	63.2	51.1	76.7

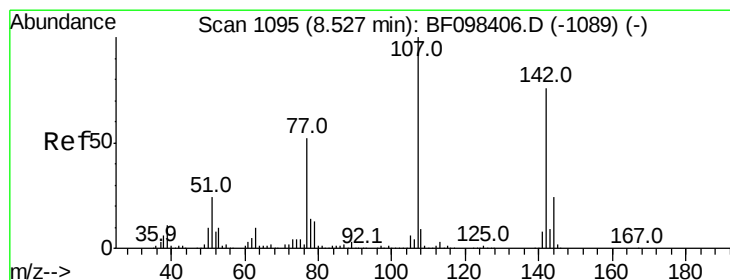
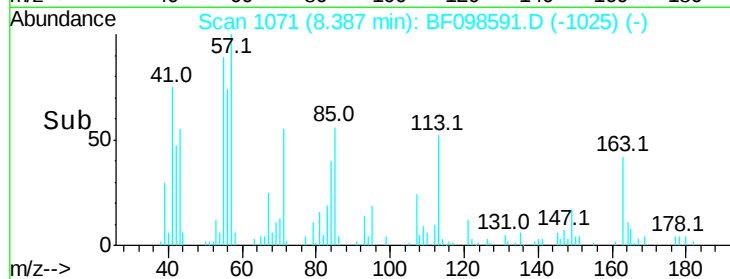
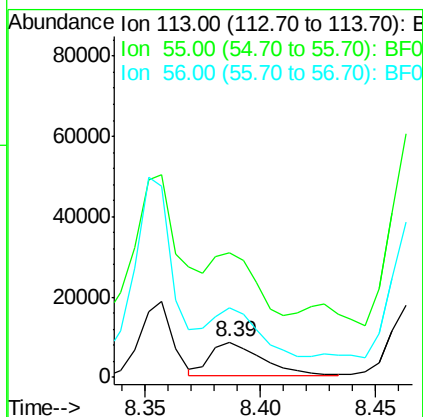
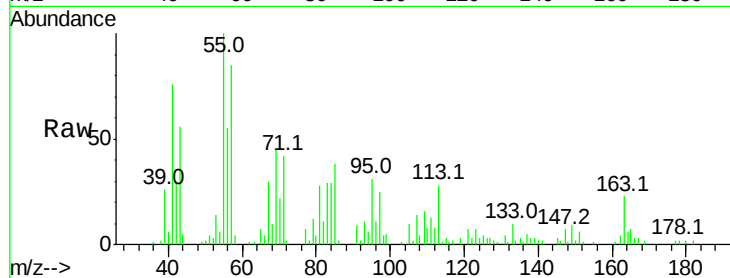




#35
 Caprolactam
 Concen: 5.498 ng
 RT: 8.39 min Scan# 1071
 Delta R.T. -0.03 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

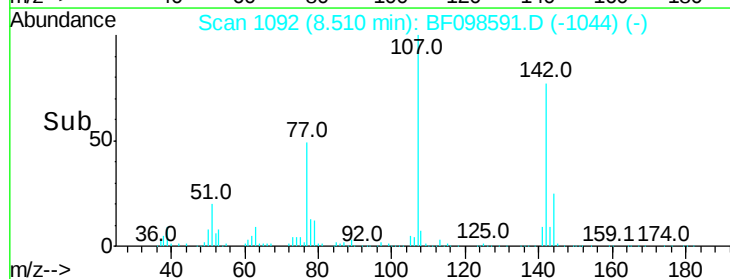
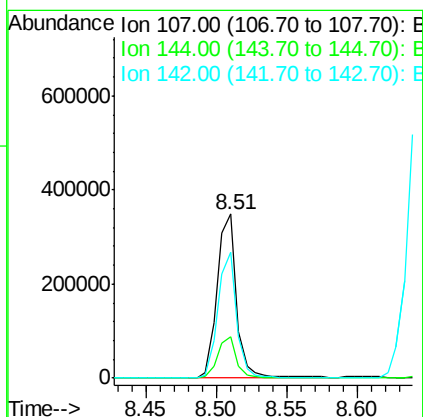
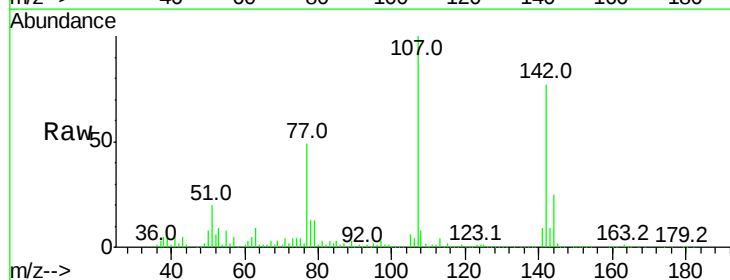
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDEMSD

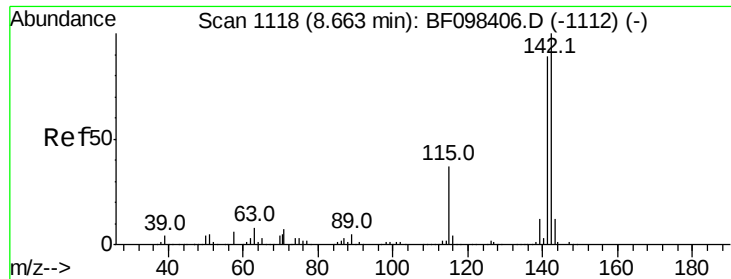
Tot Ion:113 Resp: 13301
 Ion Ratio Lower Upper
 113 100
 55 354.3 150.2 190.2#
 56 196.0 107.8 147.8#



#36
 4-Chloro-3-methylphenol
 Concen: 37.975 ng
 RT: 8.51 min Scan# 1092
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Tgt Ion:107 Resp: 330419
 Ion Ratio Lower Upper
 107 100
 144 24.8 24.2 36.4
 142 76.6 73.4 110.0

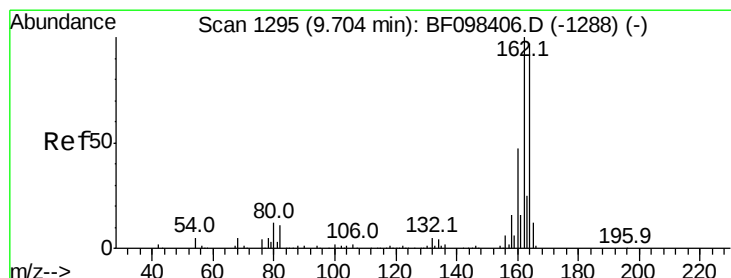
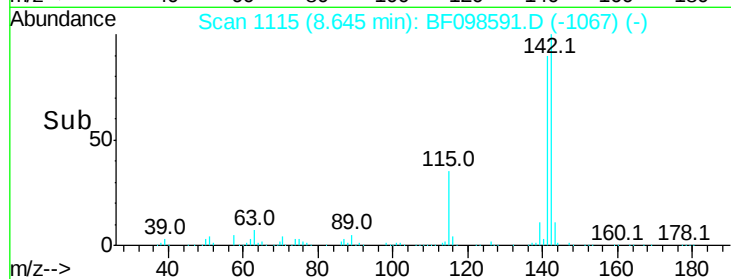
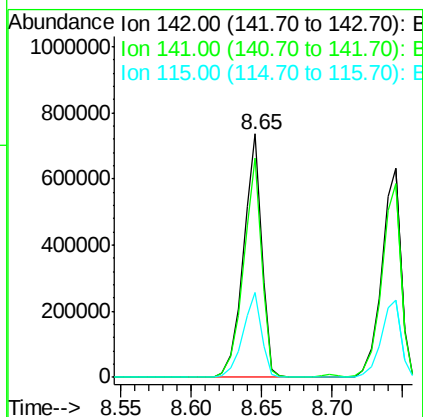
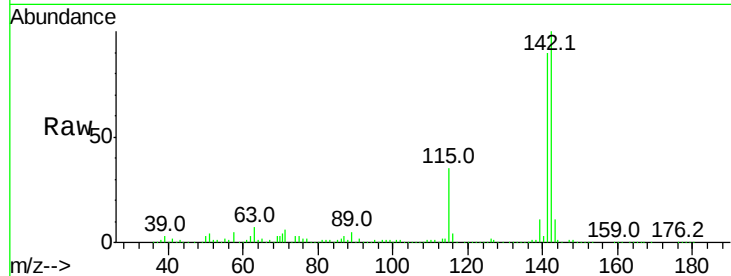




#37
 2-Methylnaphthalene
 Concen: 40.899 ng
 RT: 8.65 min Scan# 1115
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

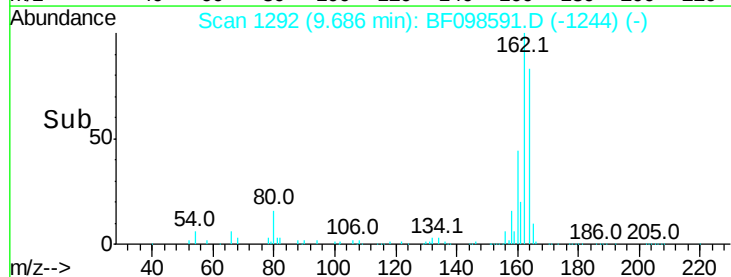
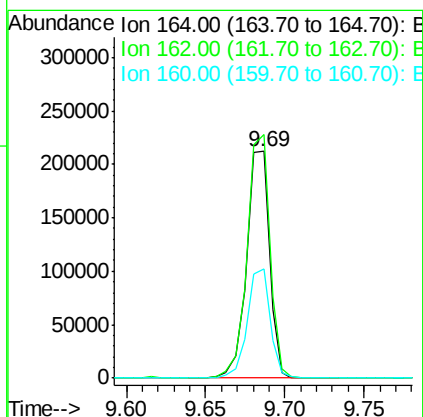
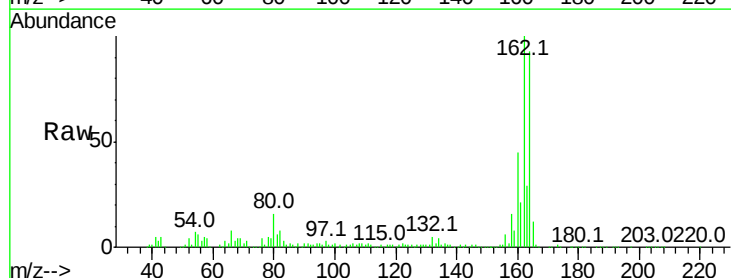
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDEMSD

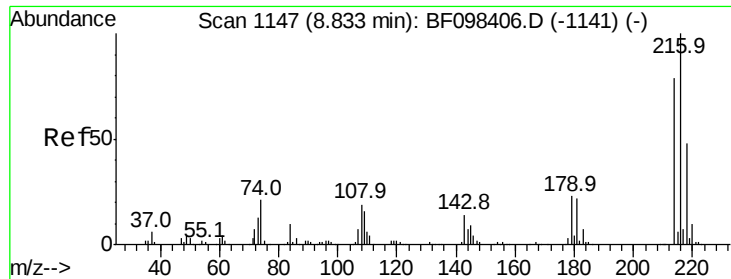
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.3	106.9
115	34.9	27.1	40.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.3	82.6	123.8
160	47.9	36.2	54.2

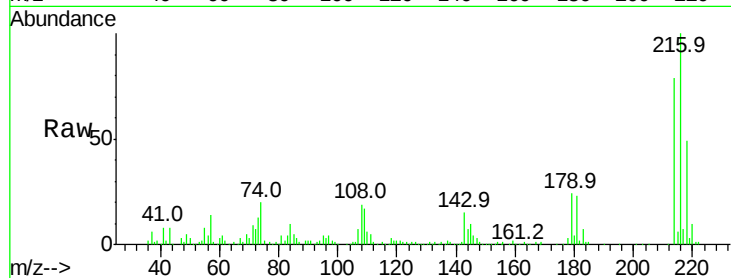




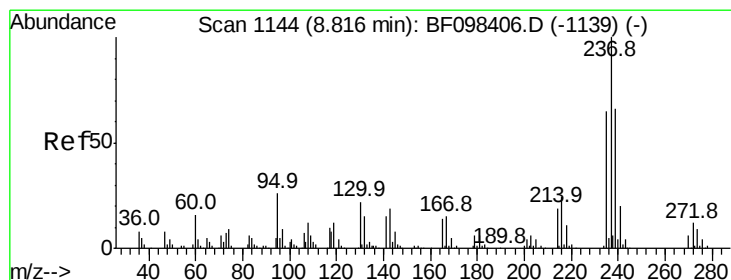
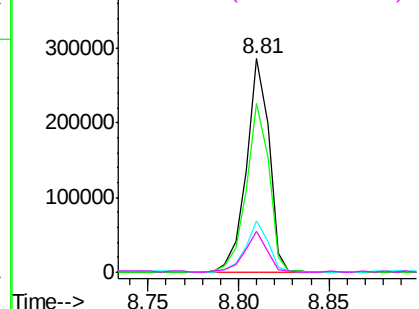
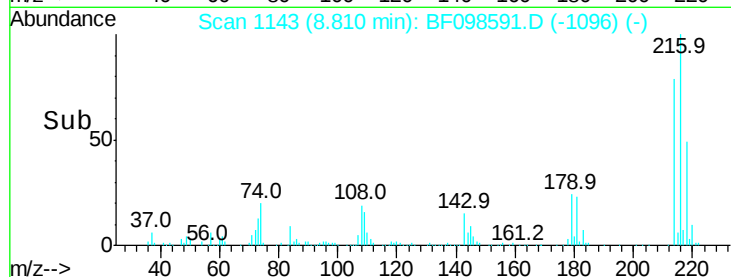
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 37.155 ng
 RT: 8.81 min Scan# 1143
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDEMSD

Tot Ion:	216	Resp:	248127
Ion Ratio	Lower	Upper	
216	100		
214	79.4	63.4	95.2
179	23.3	17.9	26.9
108	18.1	16.5	24.7

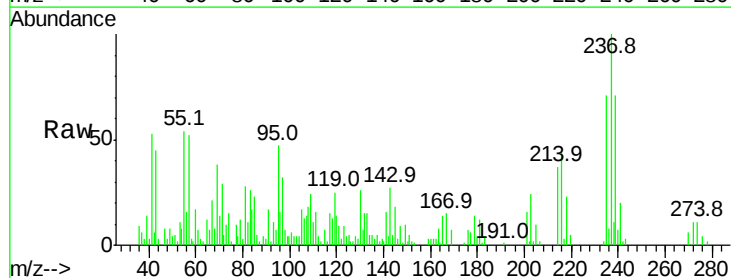


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

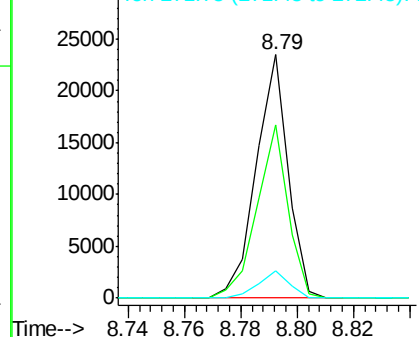
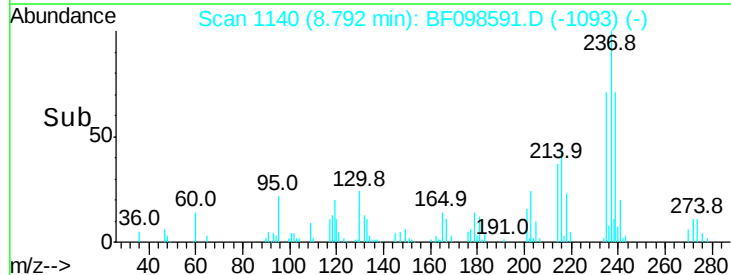


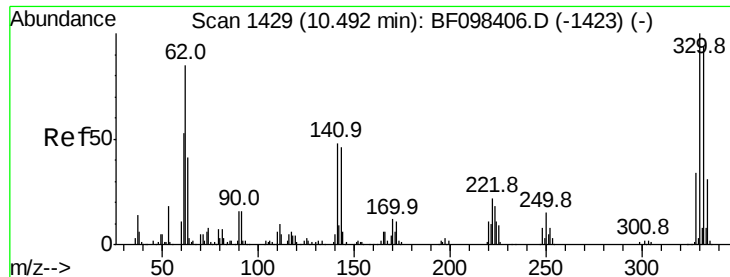
#40
 Hexachlorocyclopentadiene
 Concen: 18.104 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Tgt Ion:	237	Resp:	18447
Ion Ratio	Lower	Upper	
237	100		
235	71.1	42.6	82.6
272	11.0	0.0	31.9



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

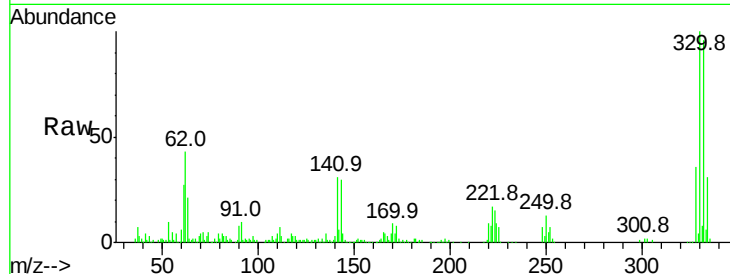




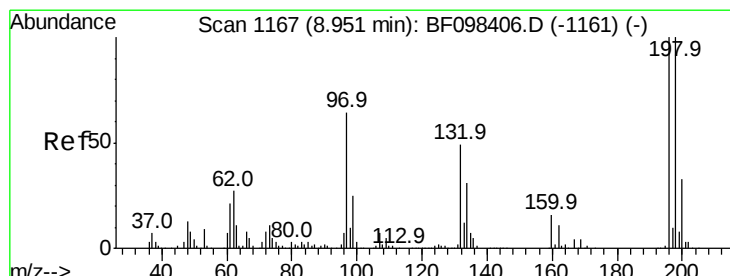
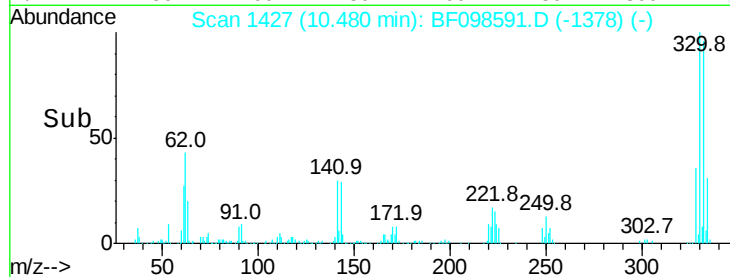
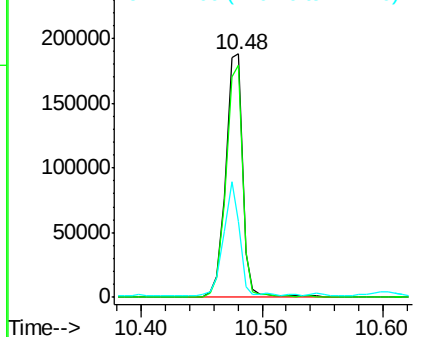
#41
 2,4,6-Tribromophenol
 Concen: 129.581 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDEMSD

Tot Ion:330 Resp: 185416
 Ion Ratio Lower Upper
 330 100
 332 94.1 76.6 115.0
 141 44.2 31.4 47.2

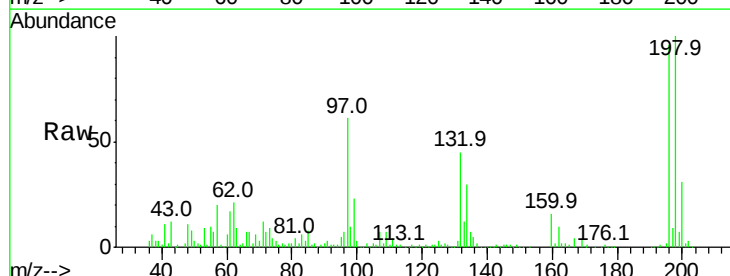


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

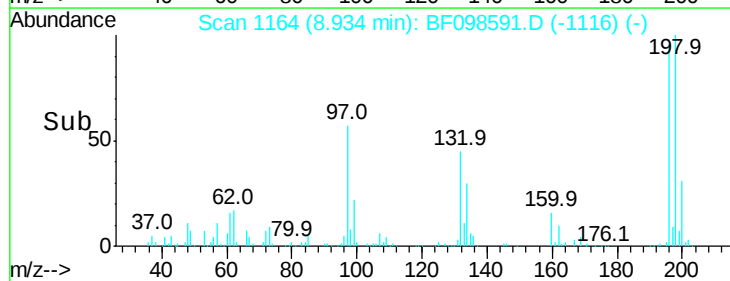
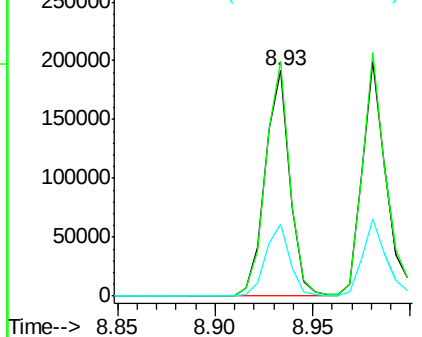


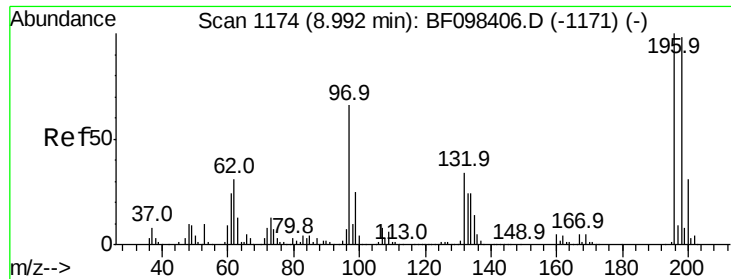
#42
 2,4,6-Trichlorophenol
 Concen: 42.948 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Tgt Ion:196 Resp: 168466
 Ion Ratio Lower Upper
 196 100
 198 103.8 74.2 111.4
 200 32.2 24.0 36.0



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

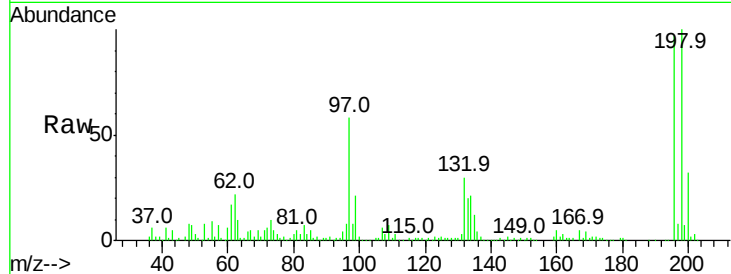




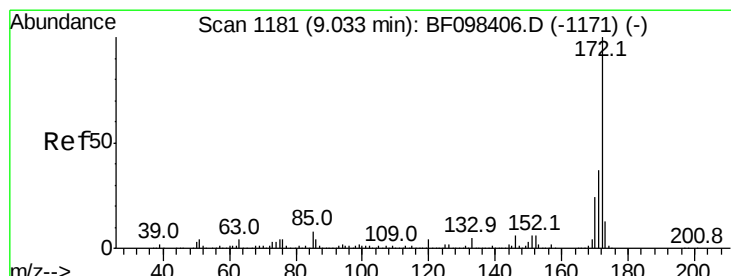
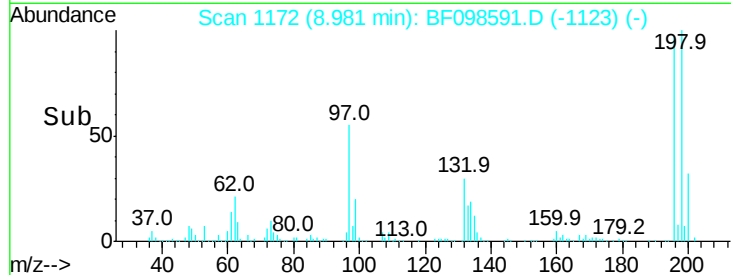
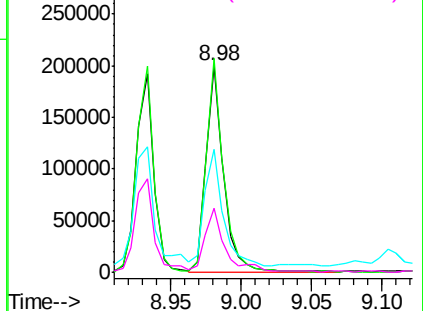
#43
 2,4,5-Trichlorophenol
 Concen: 41.996 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDEMSD

Tot Ion:196 Resp: 172184
 Ion Ratio Lower Upper
 196 100
 198 103.6 75.7 113.5
 97 59.7 47.7 71.5
 132 31.2 28.0 42.0

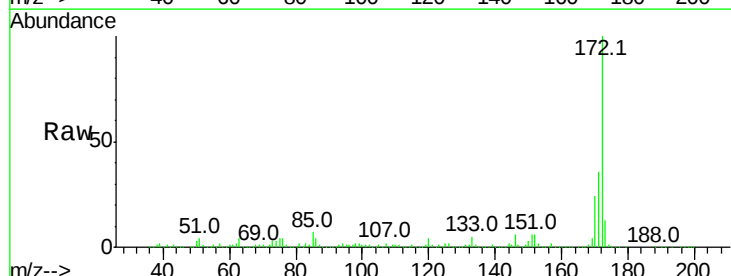


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

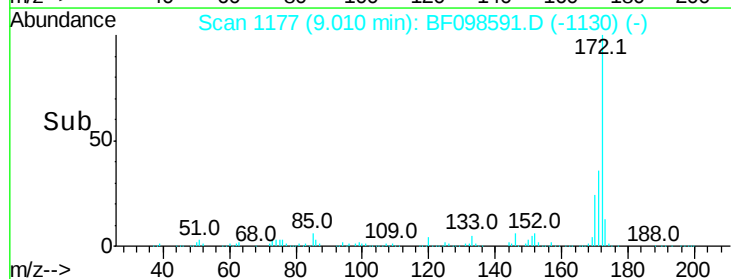
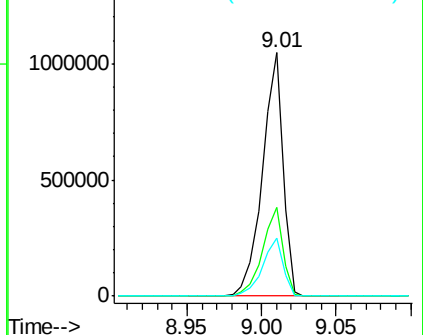


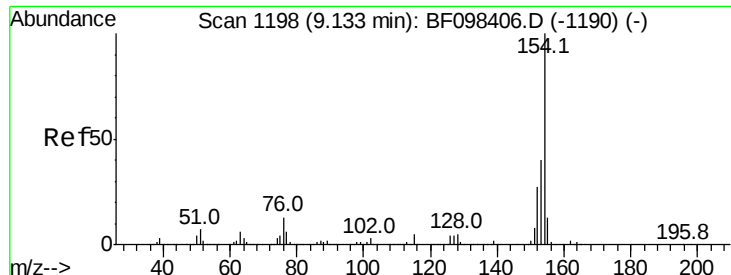
#44
 2-Fluorobiphenyl
 Concen: 77.815 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Tgt Ion:172 Resp: 984288
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 23.6 19.8 29.8



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: 36.904 ng

RT: 9.11 min Scan# 1194

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

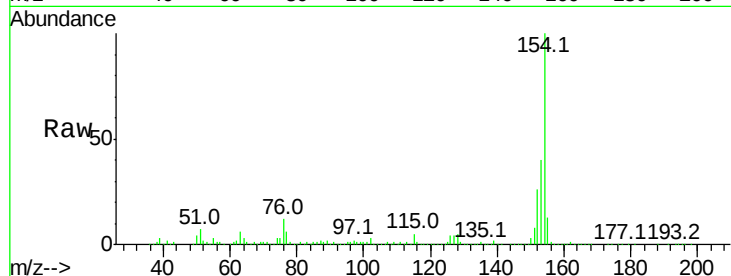
Tot Ion:154 Resp: 708157

Ion Ratio Lower Upper

154 100

153 40.5 21.2 61.2

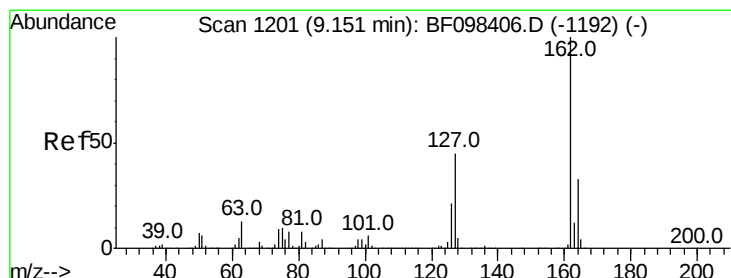
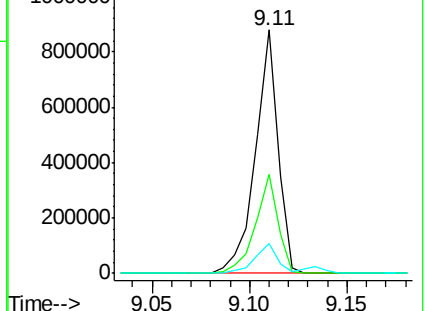
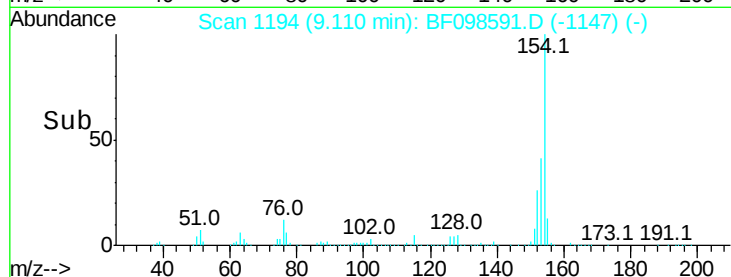
76 12.1 0.0 29.9



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): BF0



#46

2-Chloronaphthalene

Concen: 38.985 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

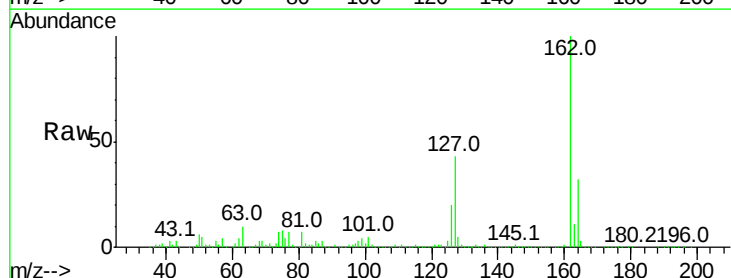
Tgt Ion:162 Resp: 534269

Ion Ratio Lower Upper

162 100

127 42.8 28.3 42.5#

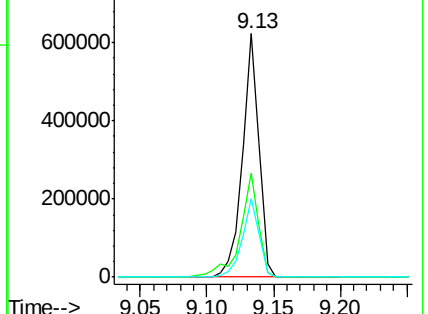
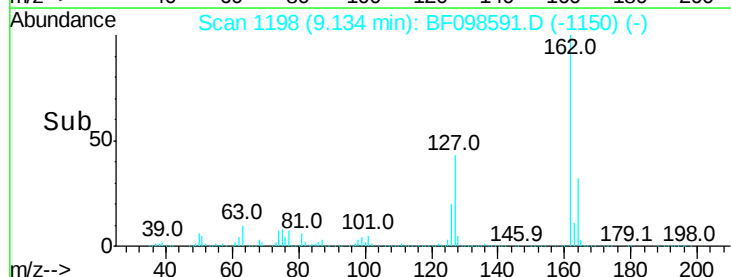
164 32.4 27.0 40.4

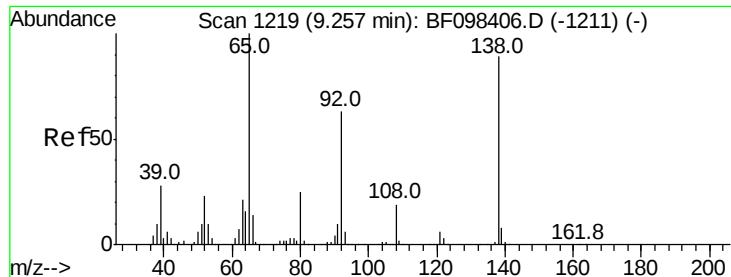


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 38.831 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

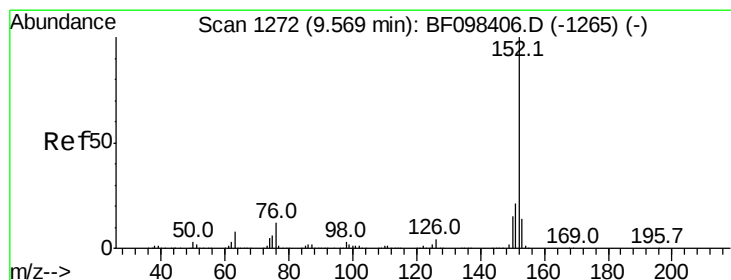
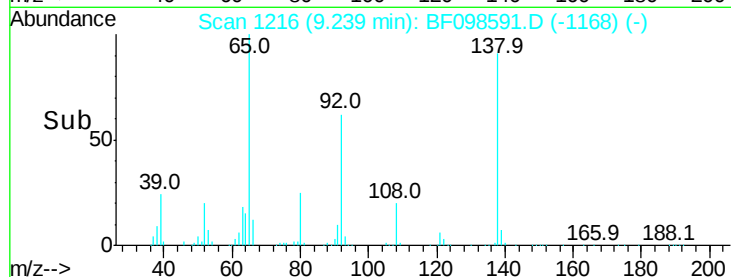
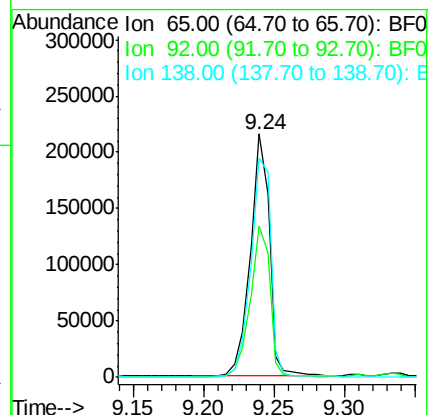
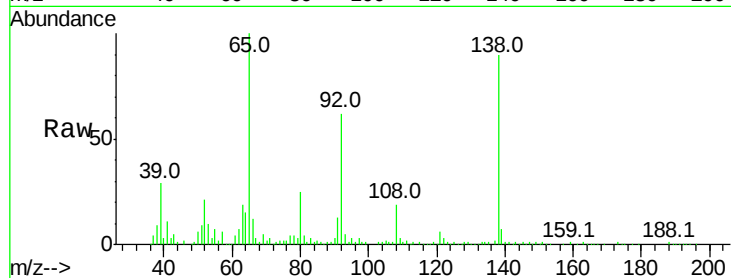
Tot Ion: 65 Resp: 204254

Ion Ratio Lower Upper

65 100

92 62.4 53.9 80.9

138 90.3 78.8 118.2



#48

Acenaphthylene

Concen: 38.197 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

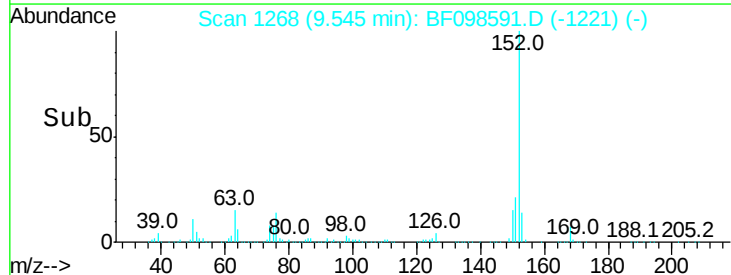
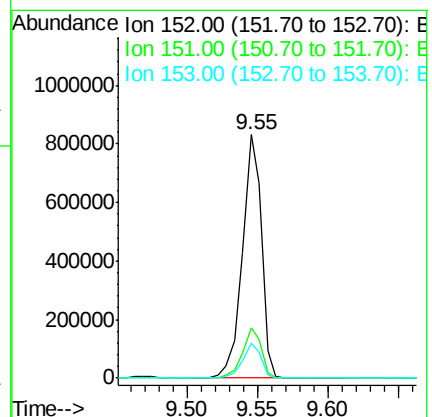
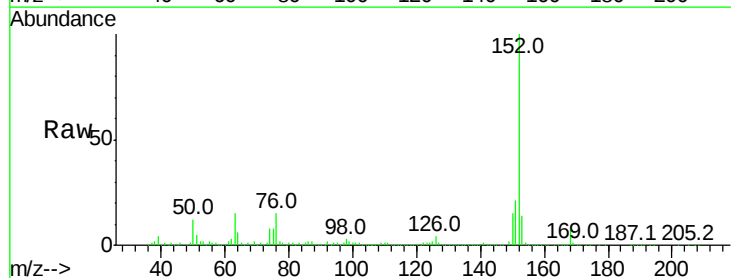
Tgt Ion: 152 Resp: 778318

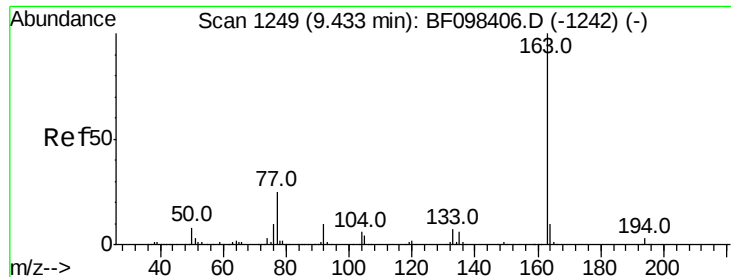
Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

153 14.3 10.8 16.2

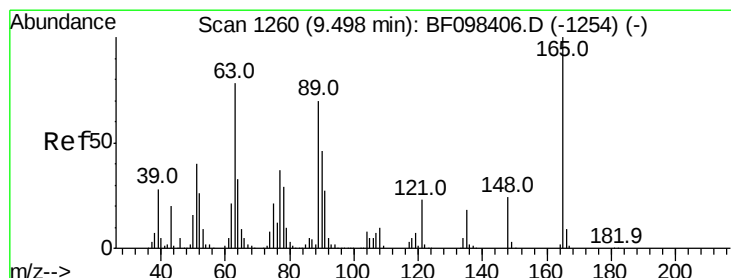
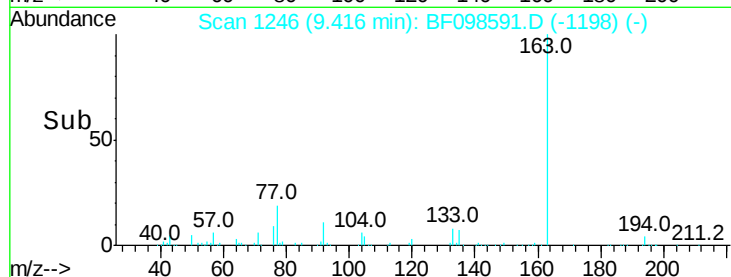
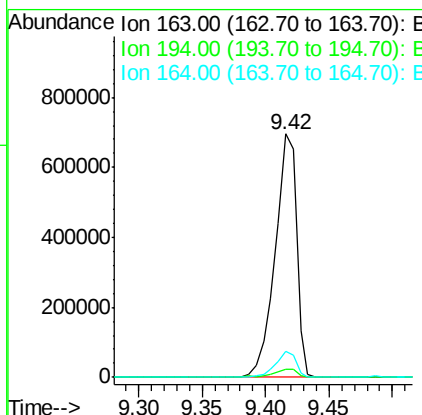
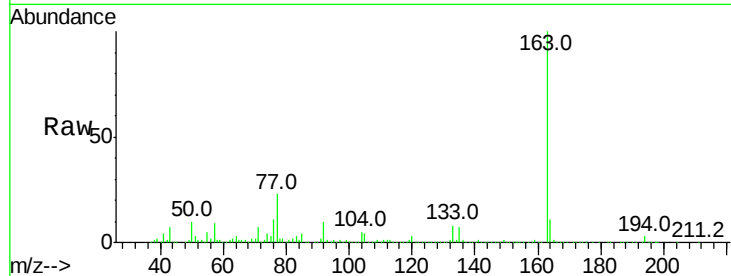




#49
 Dimethylphthalate
 Concen: 48.829 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

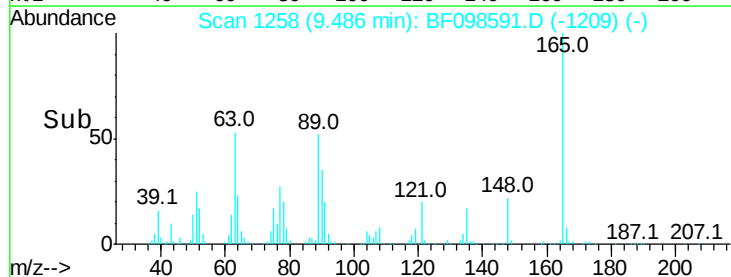
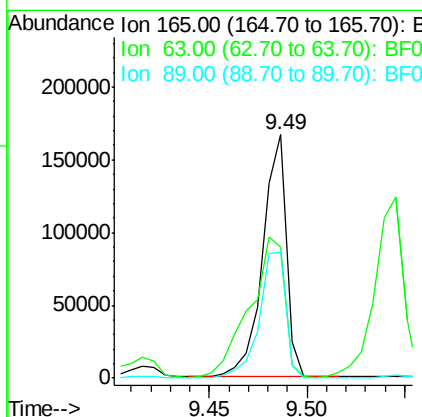
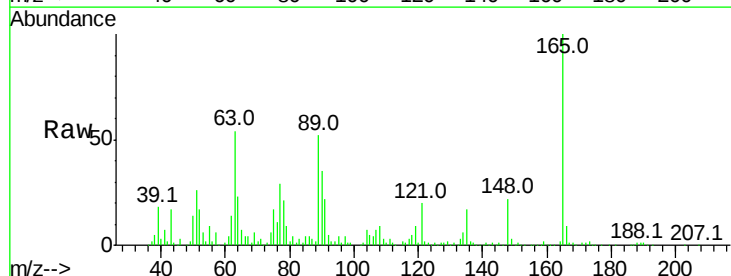
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDEMSD

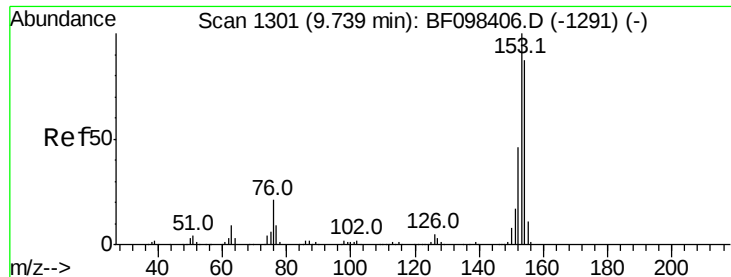
Tot Ion:	163	Resp:	810352
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	4.0
164	10.6	8.4	12.6



#50
 2,6-Dinitrotoluene
 Concen: 41.265 ng
 RT: 9.49 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Tgt Ion:	165	Resp:	140669
Ion Ratio	Lower	Upper	
165	100		
63	53.6	34.3	51.5#
89	51.6	37.1	55.7





#51

Acenaphthene

Concen: 37.716 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

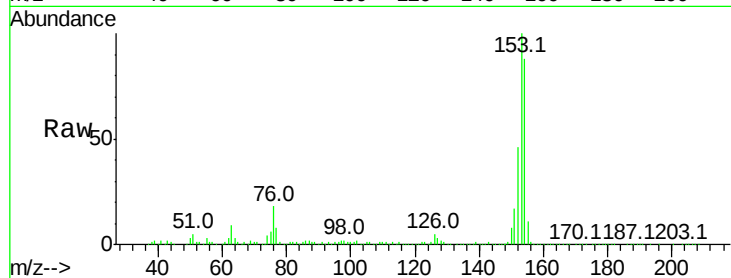
Tot Ion:154 Resp: 488519

Ion Ratio Lower Upper

154 100

153 114.0 90.5 135.7

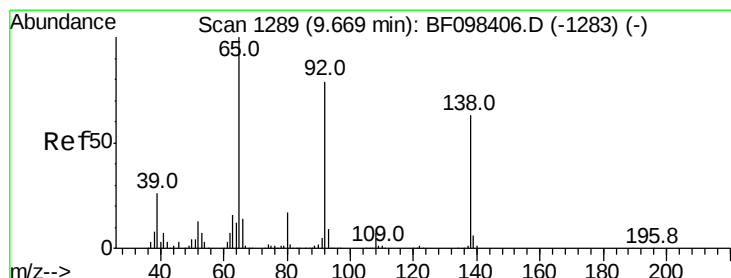
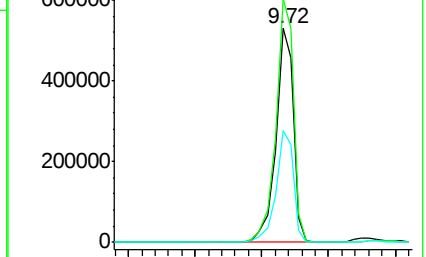
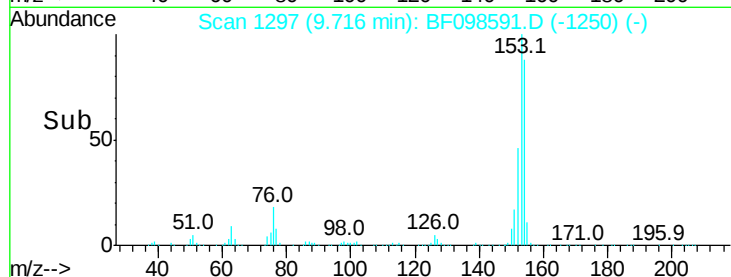
152 52.6 43.6 65.4



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: 32.961 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

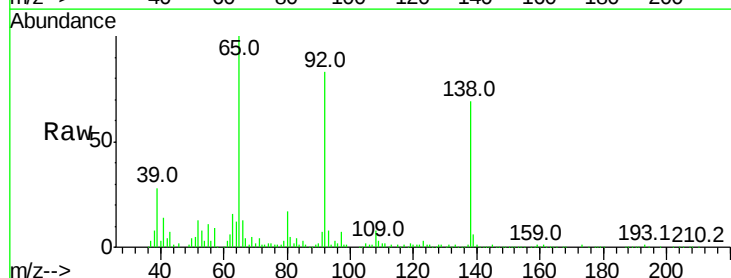
Tgt Ion:138 Resp: 135636

Ion Ratio Lower Upper

138 100

108 11.9 9.1 13.7

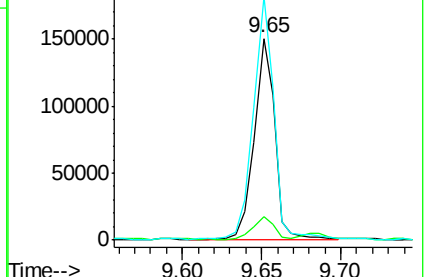
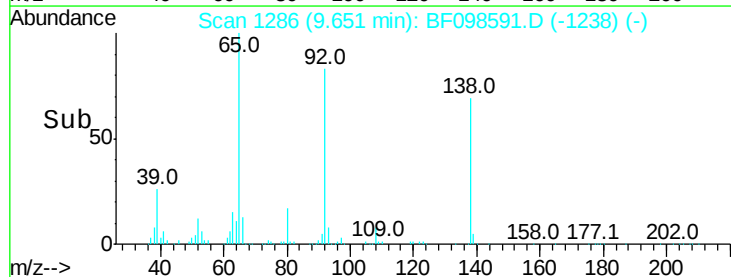
92 120.7 93.8 140.6

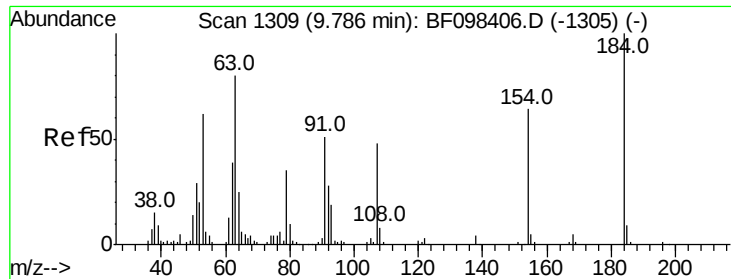


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

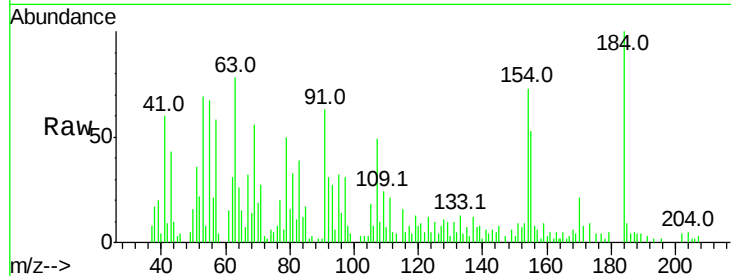




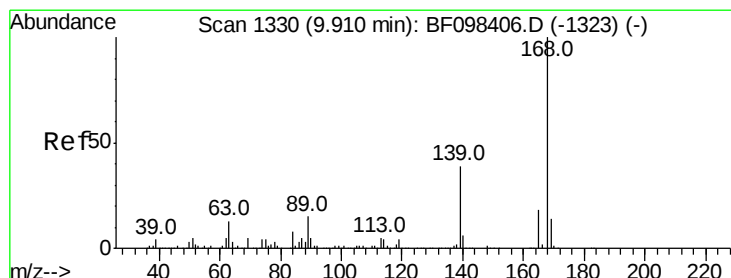
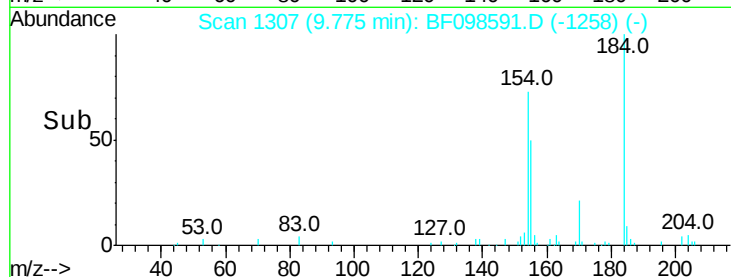
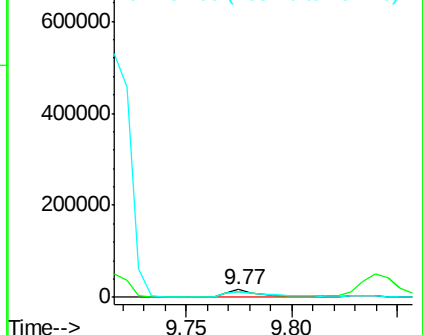
#53
 2,4-Dinitrophenol
 Concen: 20.479 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDEMSD

Tot Ion:184 Resp: 21560
 Ion Ratio Lower Upper
 184 100
 63 78.3 62.7 94.1
 154 72.8 81.1 121.7#

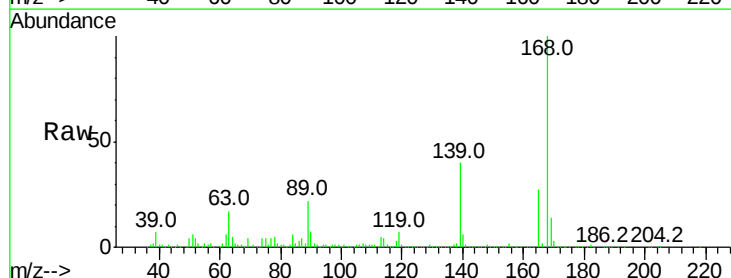


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

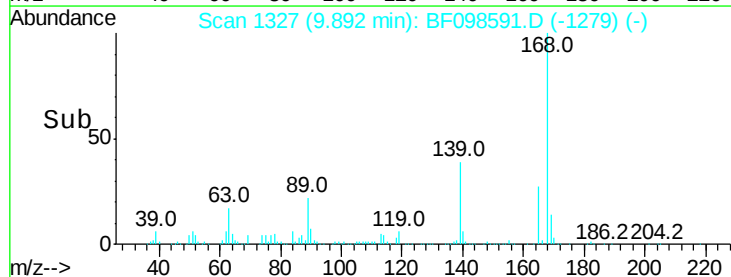
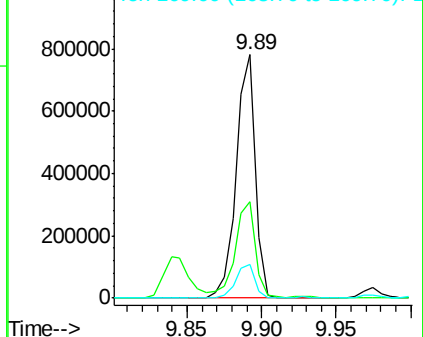


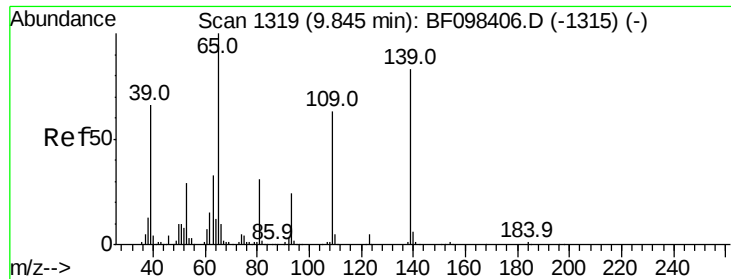
#54
 Dibenzofuran
 Concen: 41.291 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Tgt Ion:168 Resp: 704588
 Ion Ratio Lower Upper
 168 100
 139 39.5 30.6 45.8
 169 13.7 10.8 16.2



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

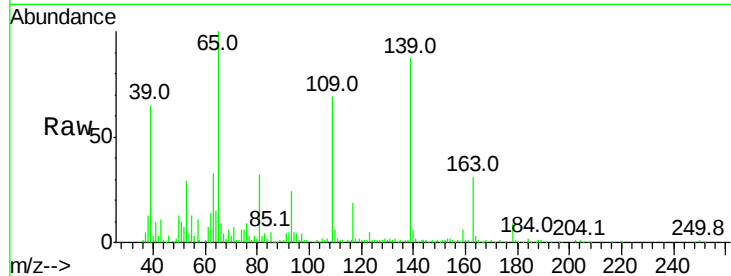




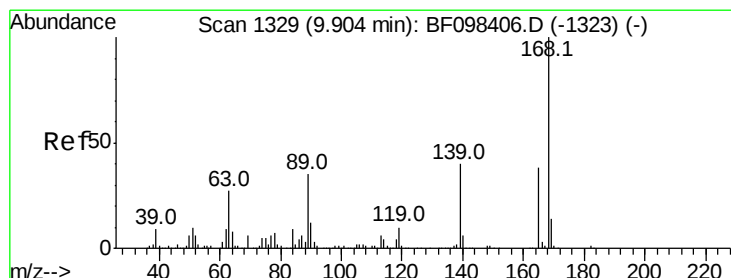
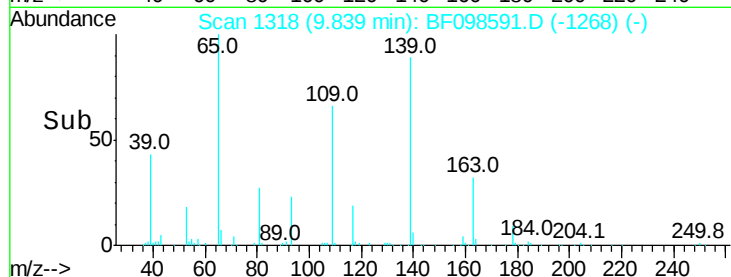
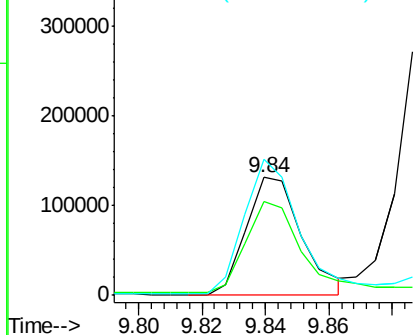
#55
4-Nitrophenol
Concen: 67.076 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-INSIDEMSD

Tot Ion:139 Resp: 158581
Ion Ratio Lower Upper
139 100
109 79.5 34.1 74.1#
65 115.4 31.4 71.4#

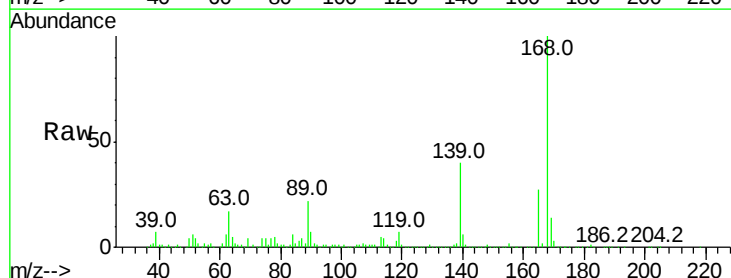


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

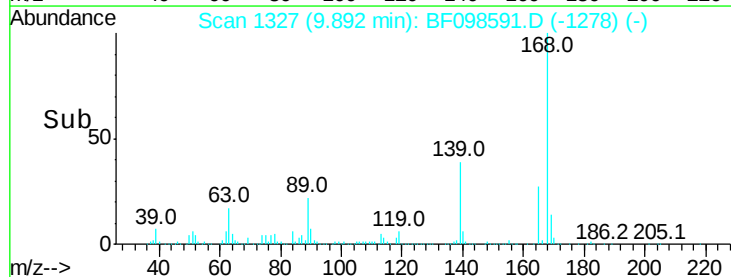
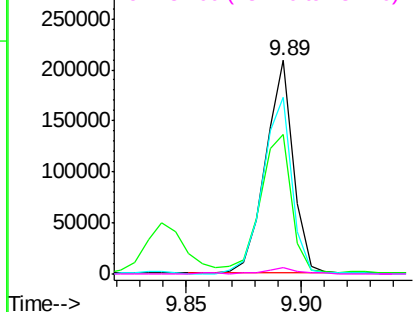


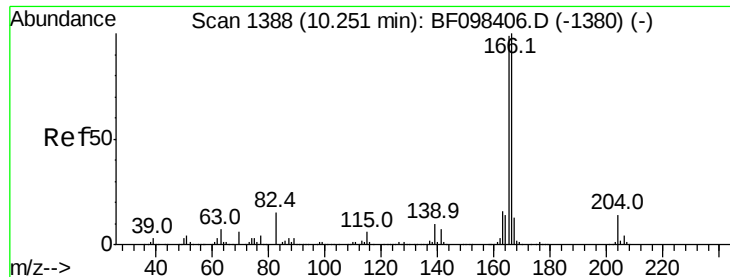
#56
2,4-Dinitrotoluene
Concen: 41.973 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Tgt Ion:165 Resp: 173951
Ion Ratio Lower Upper
165 100
63 65.2 25.4 38.0#
89 82.4 46.4 69.6#
182 3.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 37.772 ng

RT: 10.23 min Scan# 1385

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

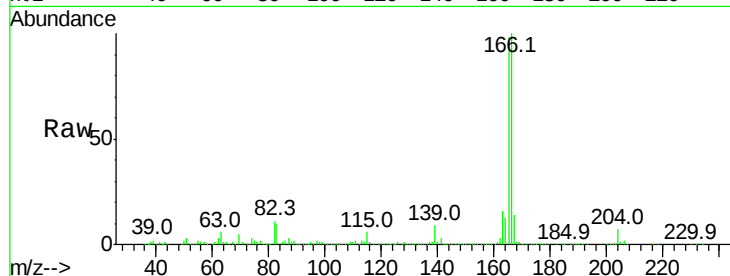
Tot Ion:166 Resp: 533487

Ion Ratio Lower Upper

166 100

165 98.4 78.8 118.2

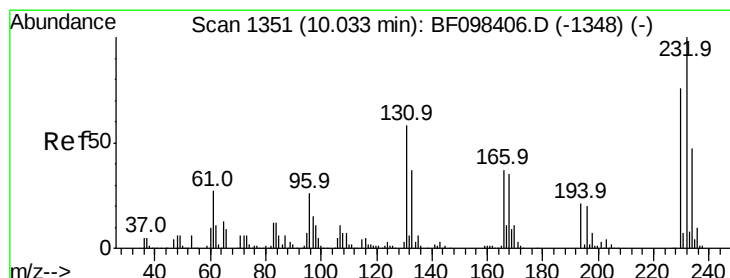
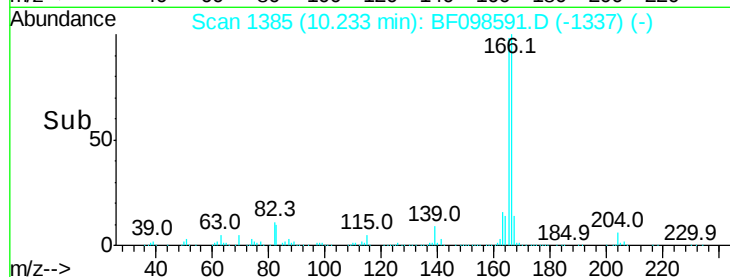
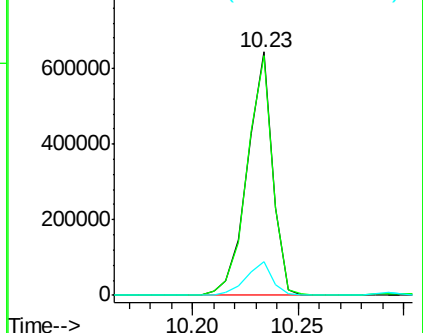
167 13.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 45.562 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Tgt Ion:232 Resp: 125542

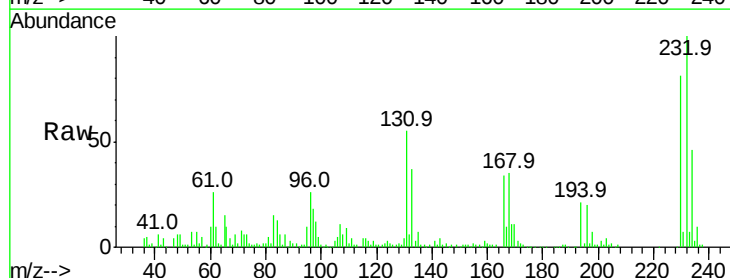
Ion Ratio Lower Upper

232 100

131 55.0 44.8 67.2

130 3.3 2.3 3.5

166 34.1 29.0 43.4

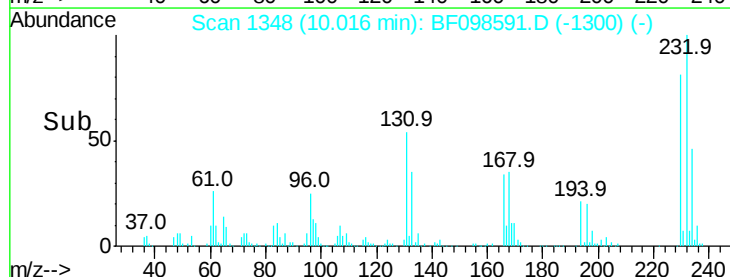
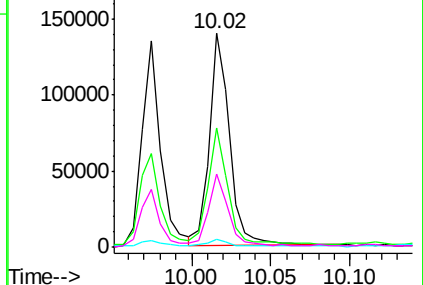


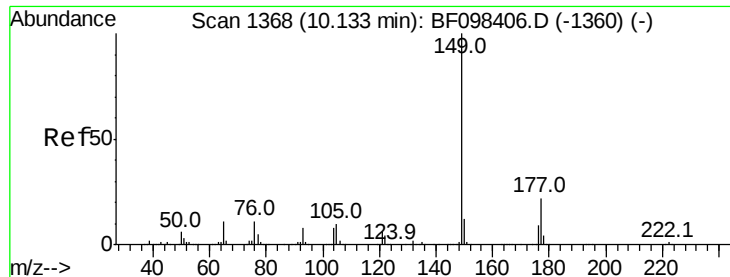
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

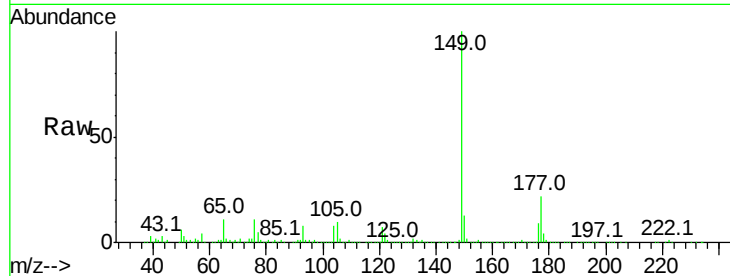




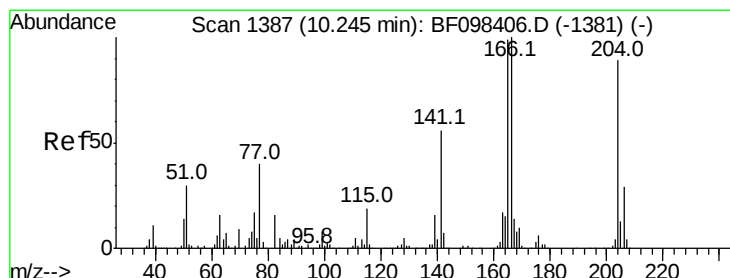
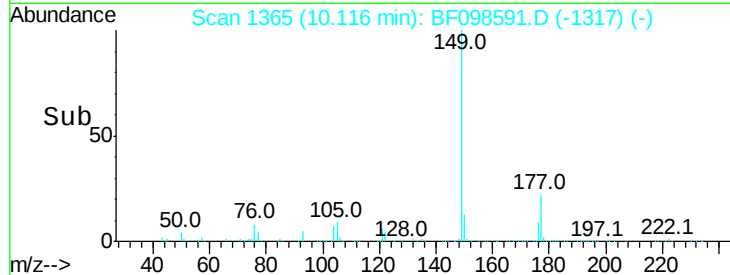
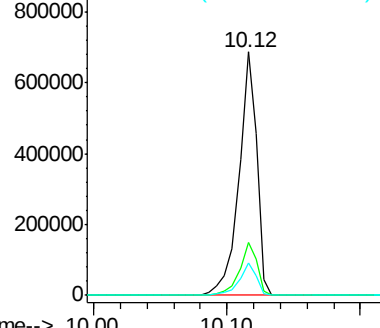
#59
Diethylphthalate
Concen: 40.129 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.02 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-INSIDEMSD

Tot Ion:149 Resp: 633361
Ion Ratio Lower Upper
149 100
177 21.8 16.7 25.1
150 13.1 10.2 15.2

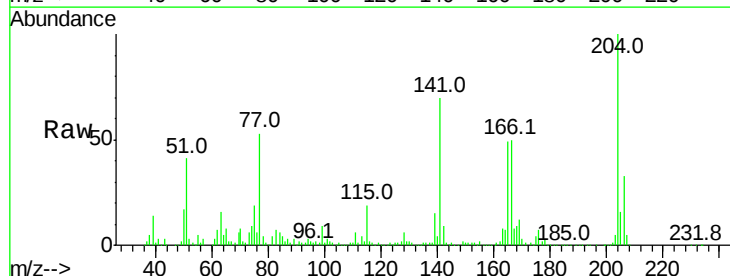


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

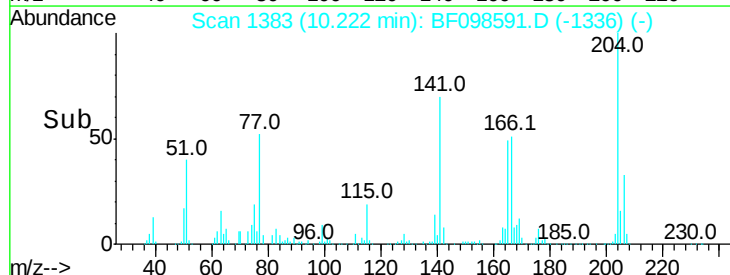
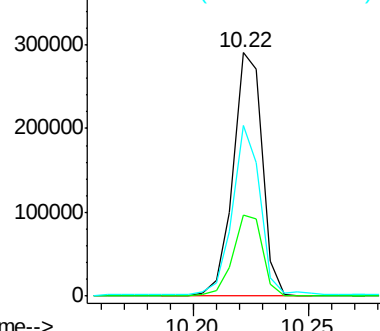


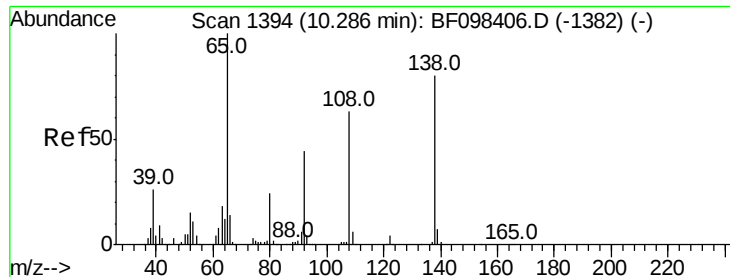
#60
4-Chlorophenyl-phenylether
Concen: 39.500 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.02 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Tgt Ion:204 Resp: 257685
Ion Ratio Lower Upper
204 100
206 33.2 26.2 39.2
141 70.2 60.8 91.2



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

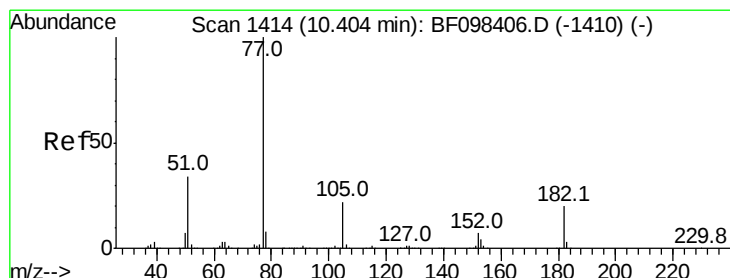
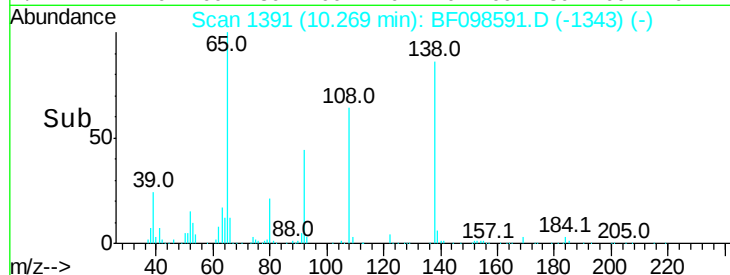
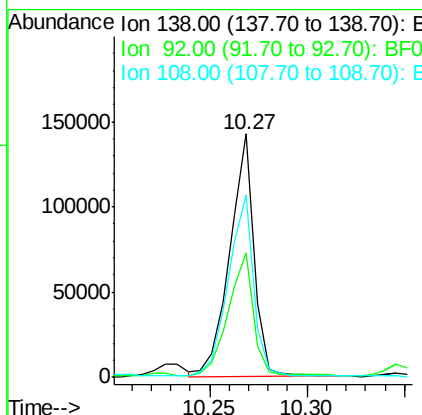
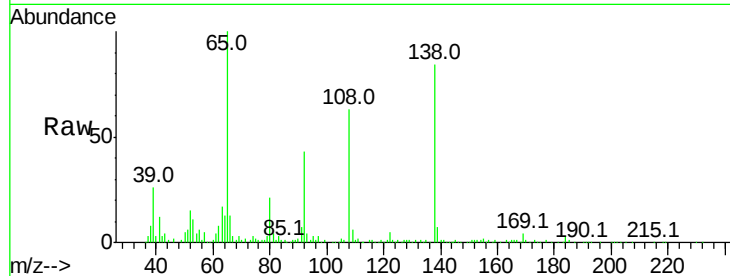




#61
4-Nitroaniline
Concen: 29.500 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.02 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

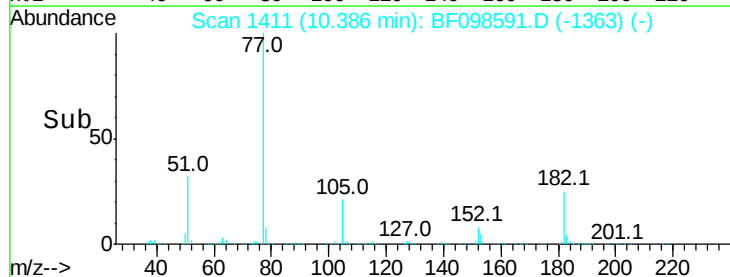
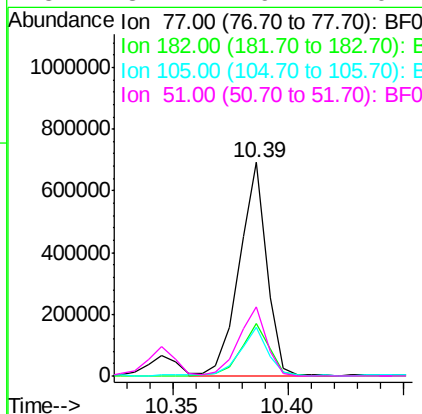
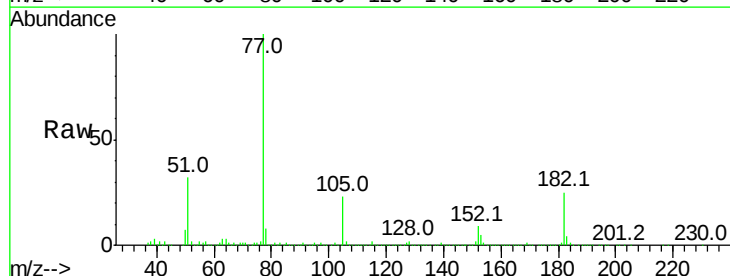
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-INSIDEMSD

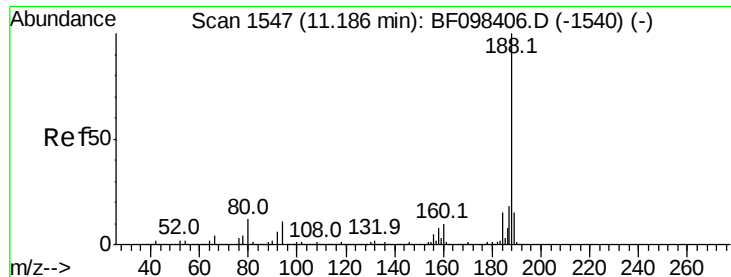
Tot Ion:138 Resp: 122595
Ion Ratio Lower Upper
138 100
92 51.1 21.8 61.8
108 74.8 42.3 82.3



#62
Azobenzene
Concen: 33.577 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Tgt Ion: 77 Resp: 571173
Ion Ratio Lower Upper
77 100
182 24.5 0.1 40.1
105 22.7 3.6 43.6
51 32.4 9.4 49.4





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

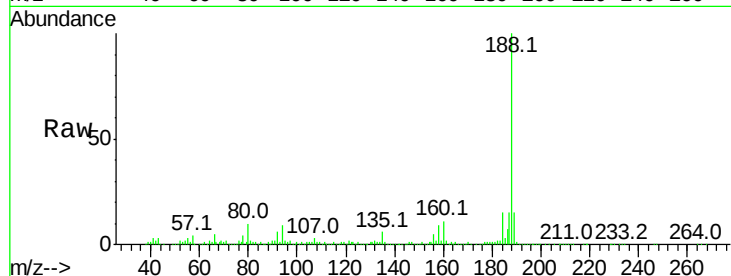
Tot Ion:188 Resp: 351941

Ion Ratio Lower Upper

188 100

94 9.4 9.4 14.2#

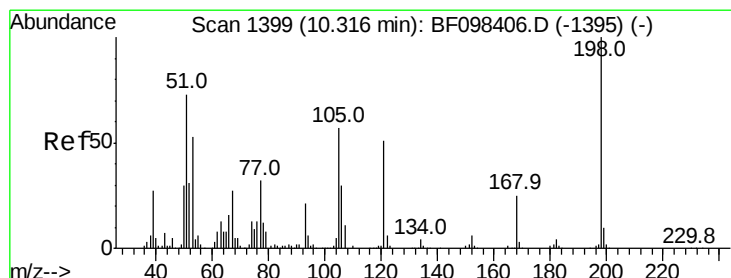
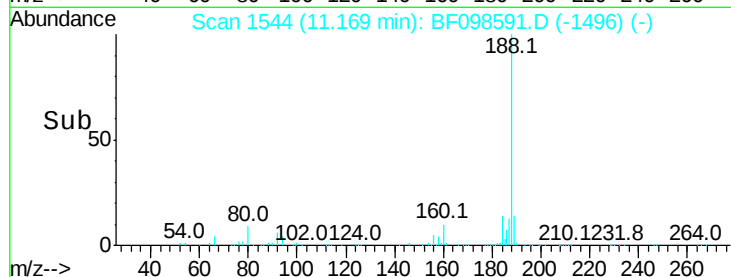
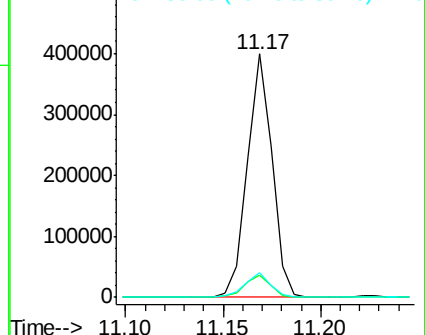
80 10.2 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 14.951 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

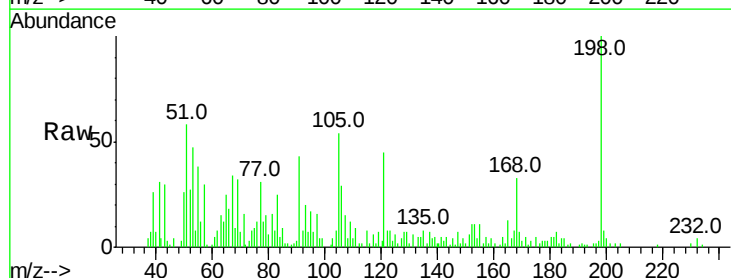
Tgt Ion:198 Resp: 24045

Ion Ratio Lower Upper

198 100

51 57.7 53.2 93.2

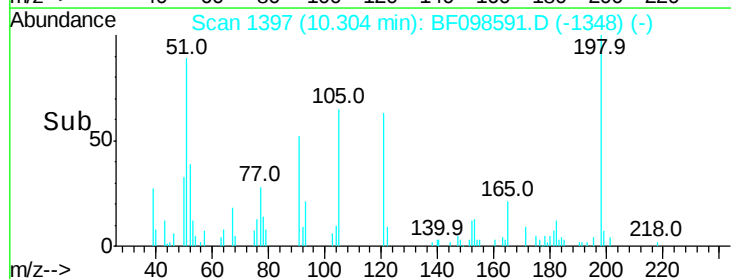
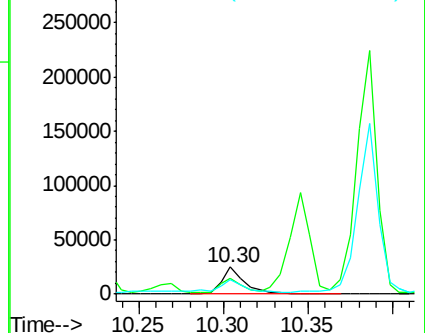
105 54.3 45.8 85.8

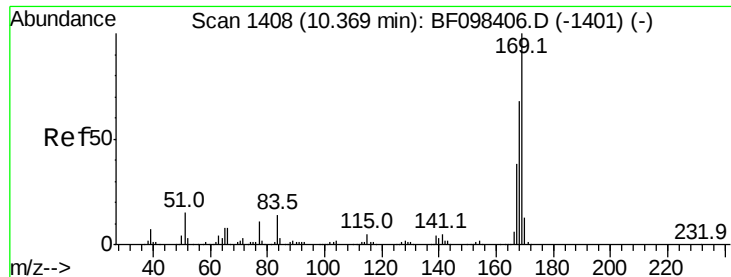


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

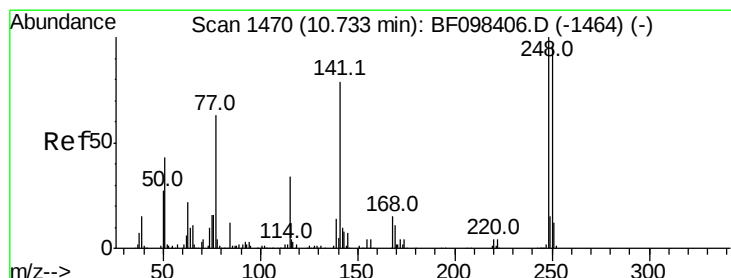
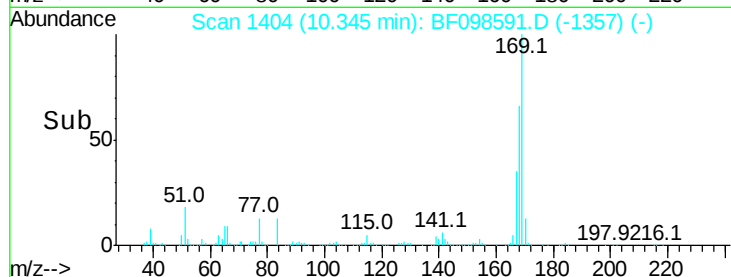
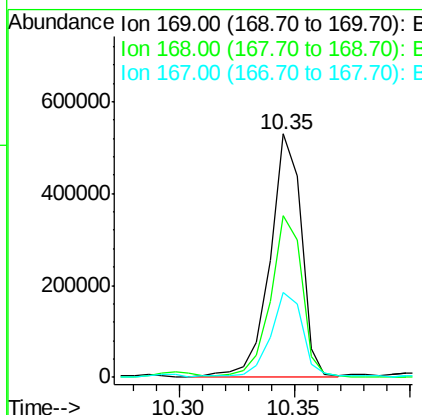
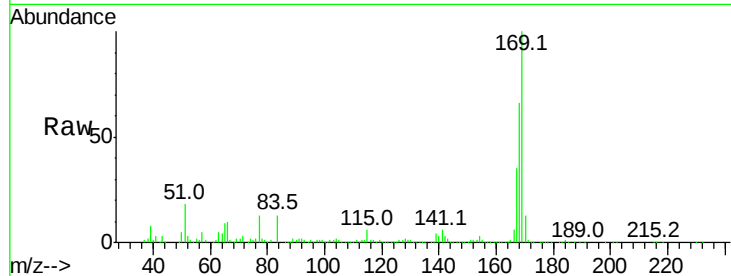




#65
n-Nitrosodiphenylamine
Concen: 43.258 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.02 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

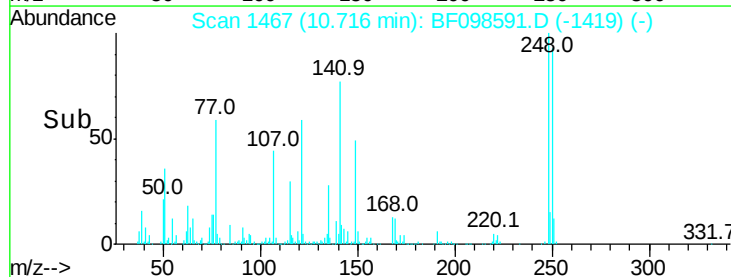
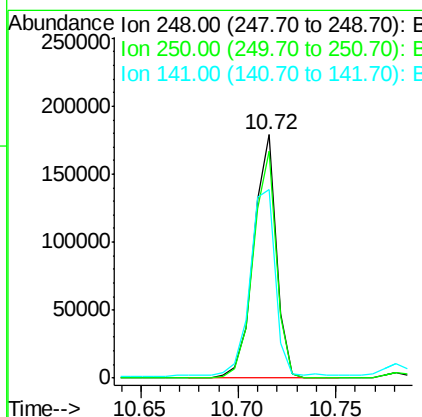
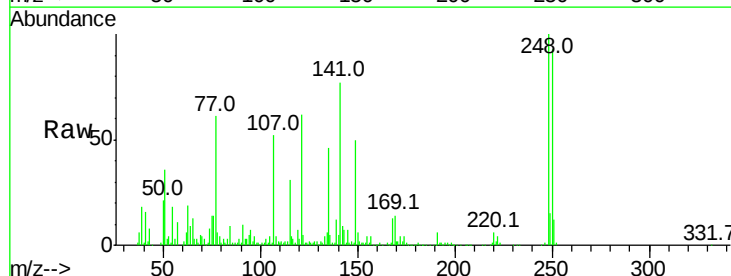
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-INSIDEMSD

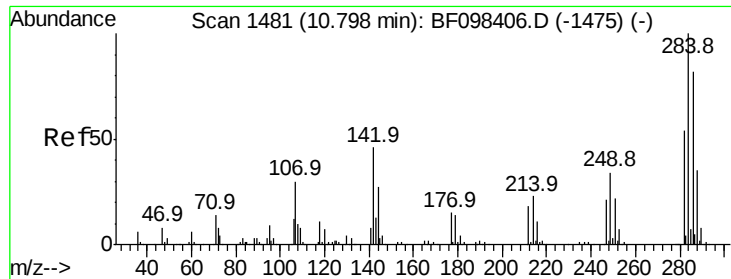
Tot Ion:169 Resp: 494344
Ion Ratio Lower Upper
169 100
168 66.3 53.2 79.8
167 34.8 29.5 44.3



#66
4-Bromophenyl-phenylether
Concen: 43.157 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Tgt Ion:248 Resp: 144155
Ion Ratio Lower Upper
248 100
250 93.0 76.8 115.2
141 77.4 68.6 103.0





#67

Hexachlorobenzene

Concen: 39.584 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

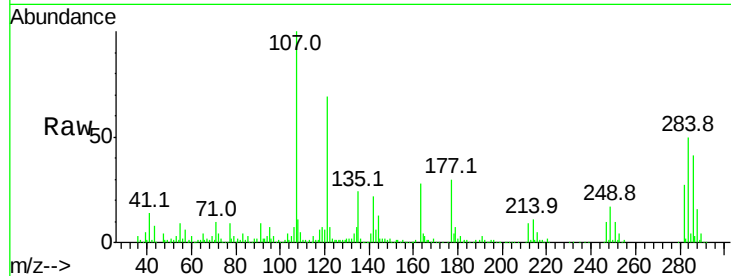
Tot Ion:284 Resp: 134115

Ion Ratio Lower Upper

284 100

142 44.4 22.8 34.2#

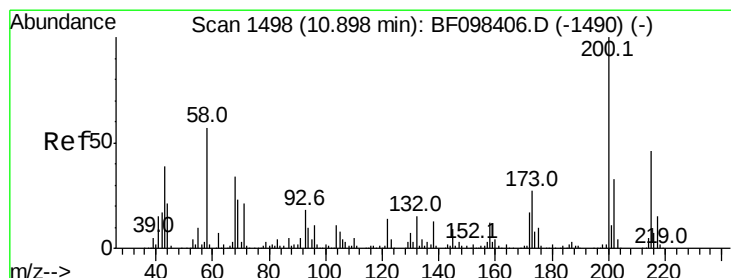
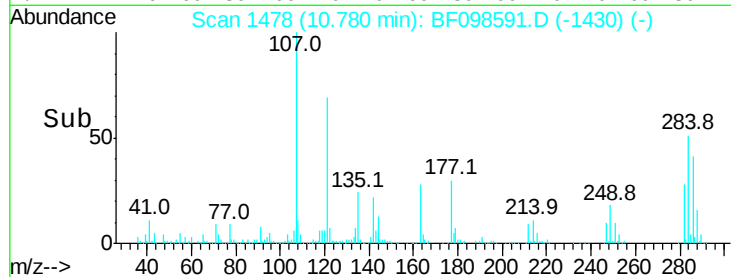
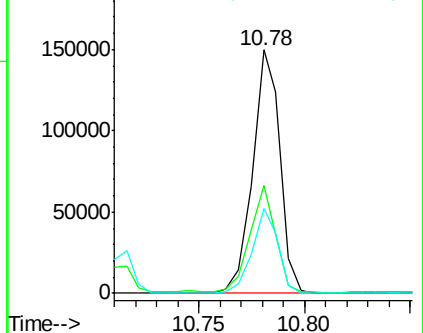
249 34.7 24.0 36.0



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: 40.653 ng

RT: 10.89 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

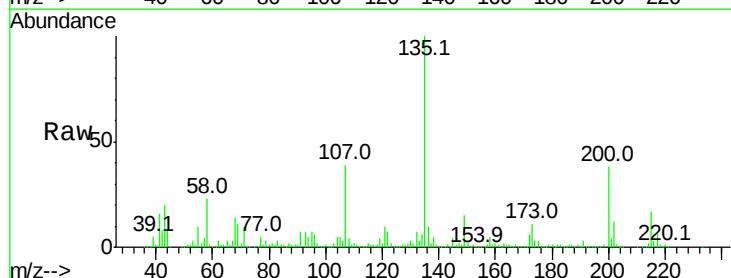
Tgt Ion:200 Resp: 143021

Ion Ratio Lower Upper

200 100

173 28.4 6.3 46.3

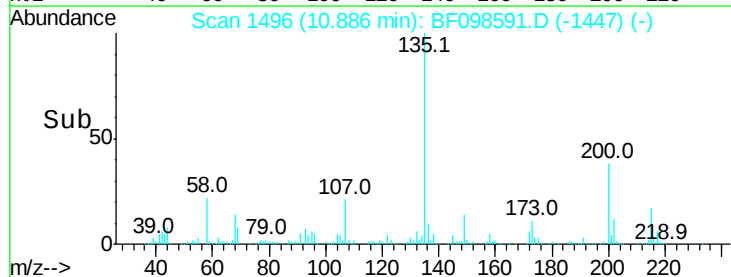
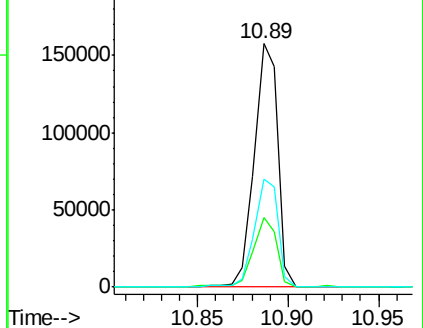
215 44.5 27.2 67.2

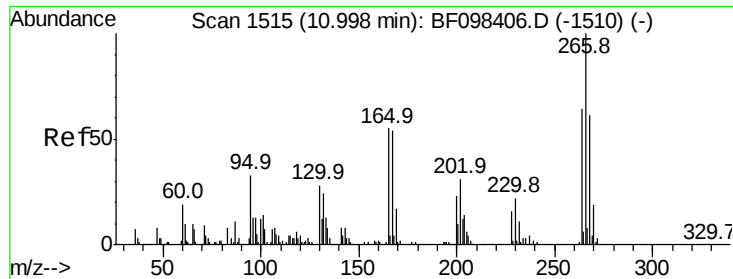


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

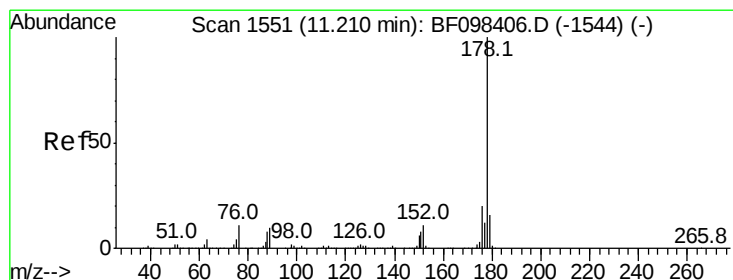
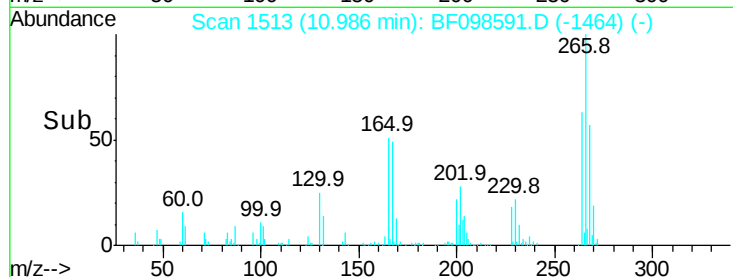
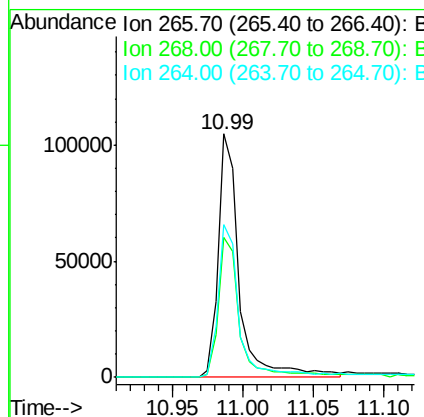
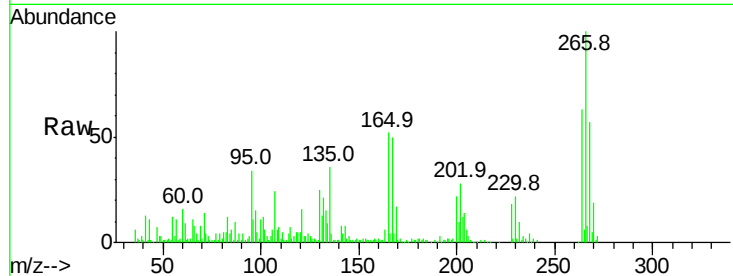




#69
 Pentachlorophenol
 Concen: 73.645 ng
 RT: 10.99 min Scan# 1513
 Delta R.T. -0.01 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

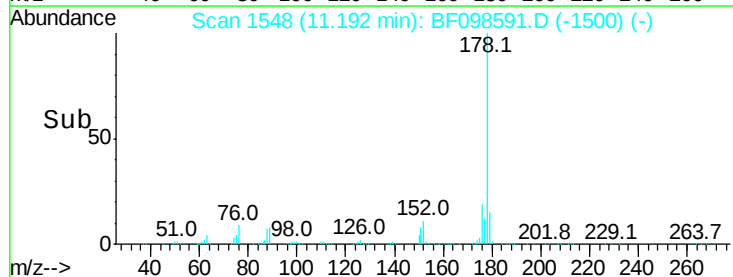
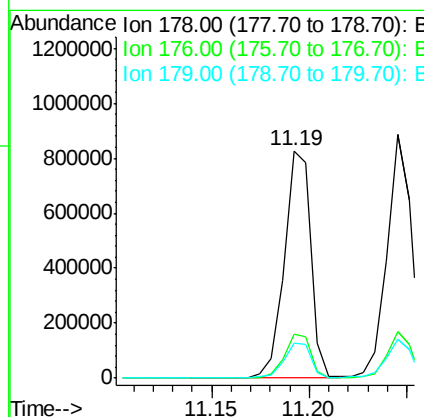
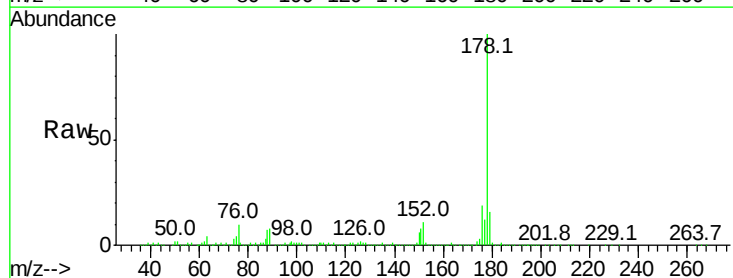
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDEMSD

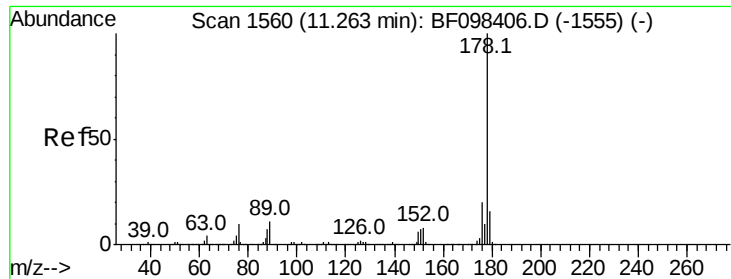
Tot Ion:266 Resp: 109548
 Ion Ratio Lower Upper
 266 100
 268 57.4 51.1 76.7
 264 62.8 51.7 77.5



#70
 Phenanthrene
 Concen: 41.469 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Tgt Ion:178 Resp: 773704
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.4
 179 15.5 12.6 19.0

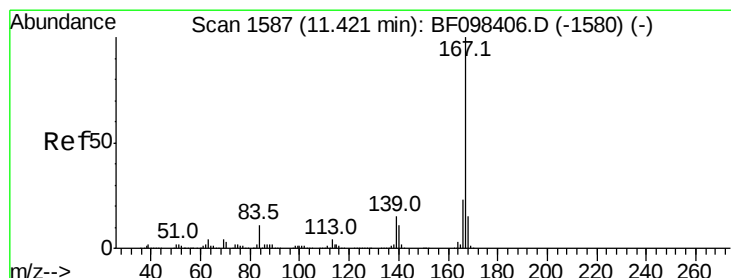
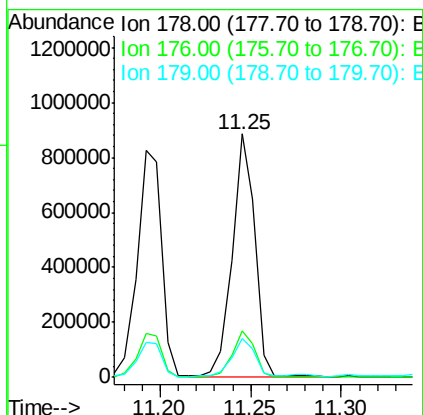
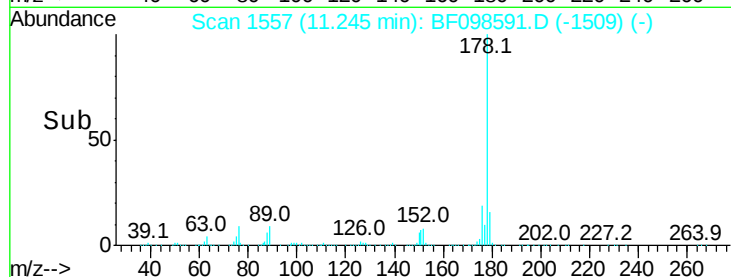
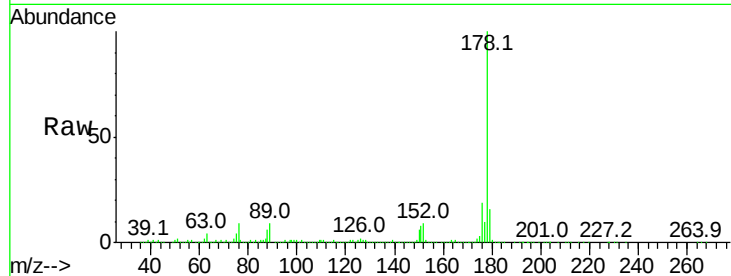




#71
 Anthracene
 Concen: 39.871 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

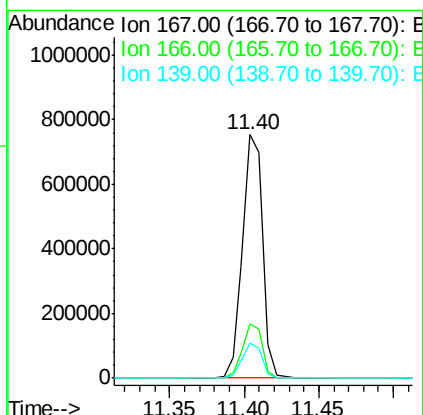
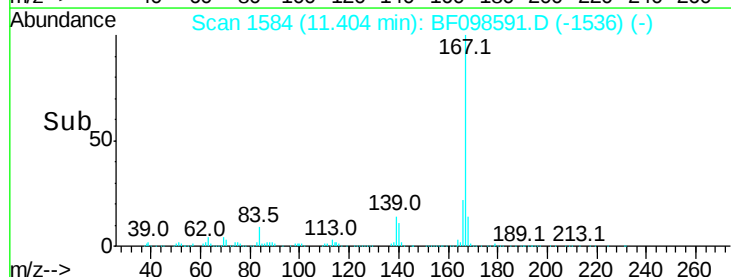
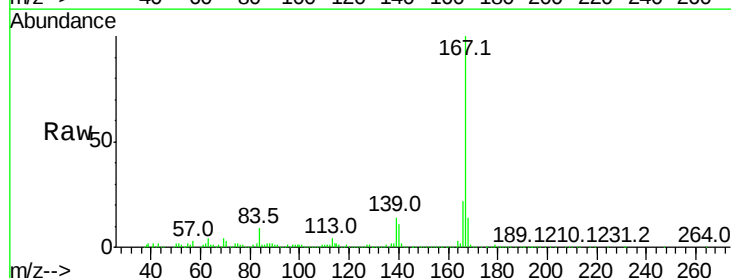
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDEMSD

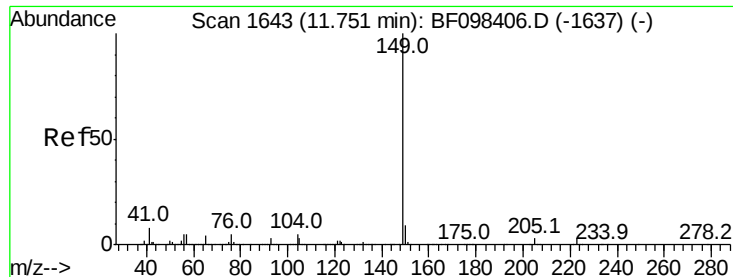
Tot Ion:178 Resp: 763744
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 15.8 12.7 19.1



#72
 Carbazole
 Concen: 39.229 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.02 min
 Lab File: BF098591.D
 Acq: 16 Sep 2017 1:43

Tgt Ion:167 Resp: 700317
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.1 27.1
 139 14.4 11.7 17.5





#73

Di-n-butylphthalate

Concen: 38.520 ng

RT: 11.73 min Scan# 1640

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

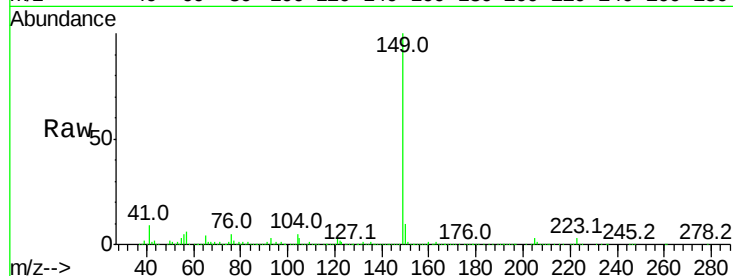
Tot Ion:149 Resp: 823932

Ion Ratio Lower Upper

149 100

150 9.6 7.7 11.5

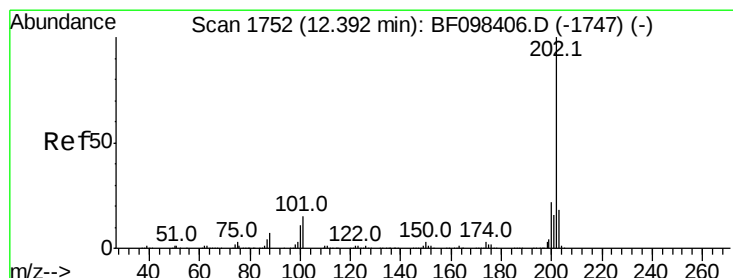
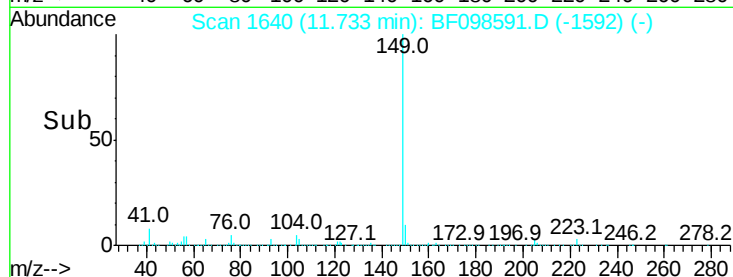
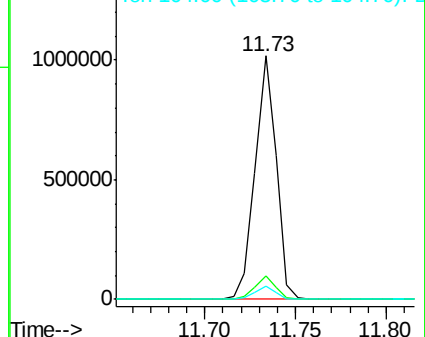
104 5.2 4.0 6.0



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: 38.155 ng

RT: 12.38 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

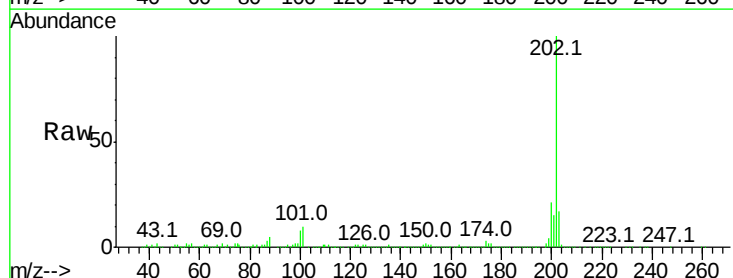
Tgt Ion:202 Resp: 712634

Ion Ratio Lower Upper

202 100

101 10.2 0.0 33.2

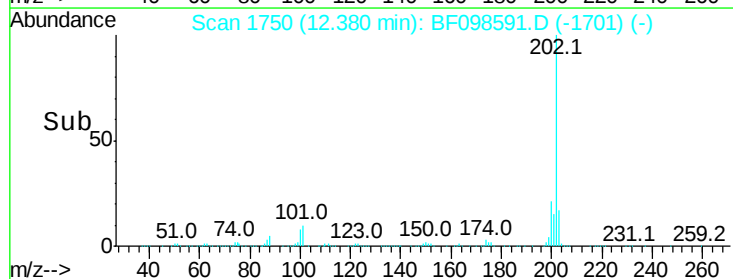
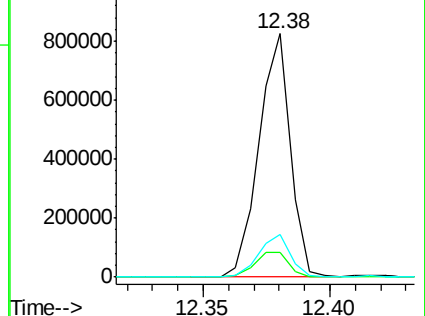
203 17.5 0.0 38.1

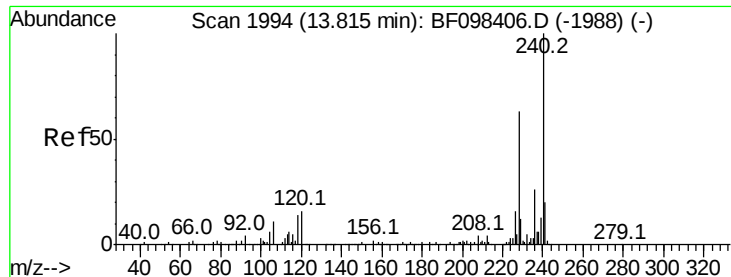


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

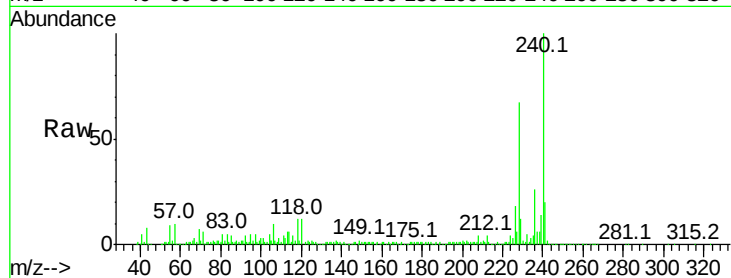
Tot Ion:240 Resp: 246838

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

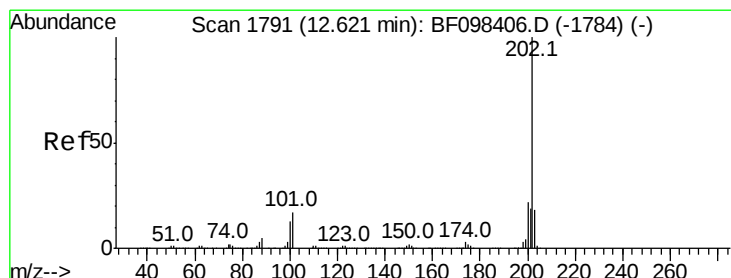
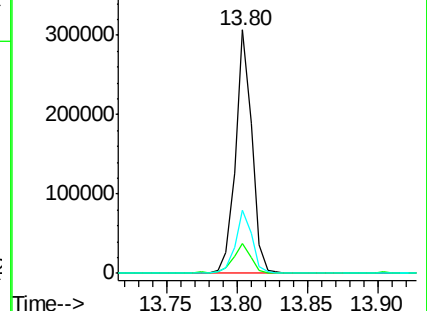
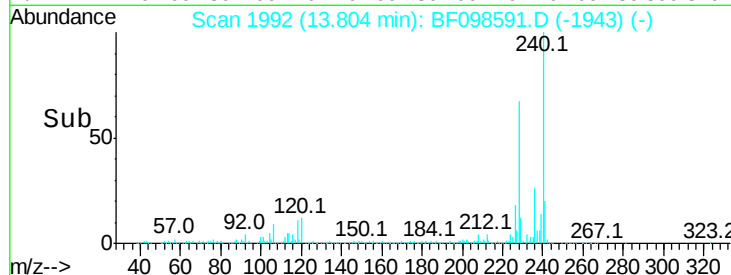
236 25.9 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 39.486 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

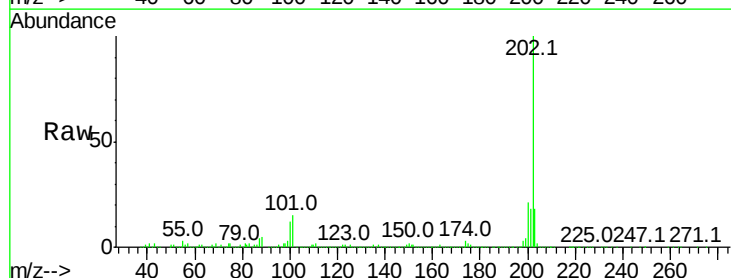
Tgt Ion:202 Resp: 768874

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

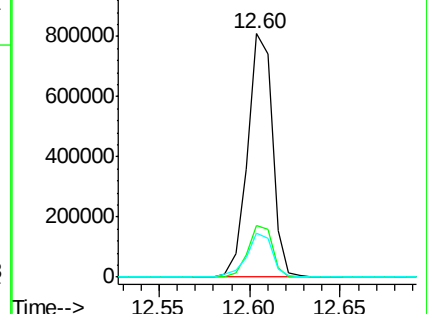
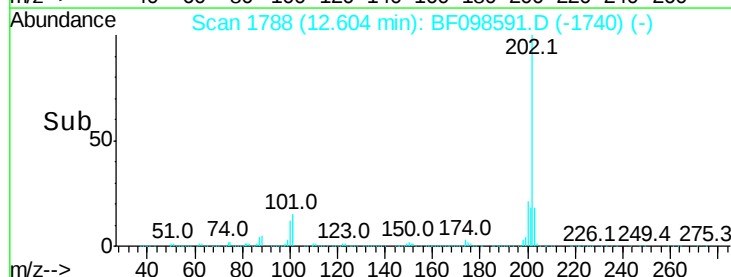
203 17.8 14.4 21.6

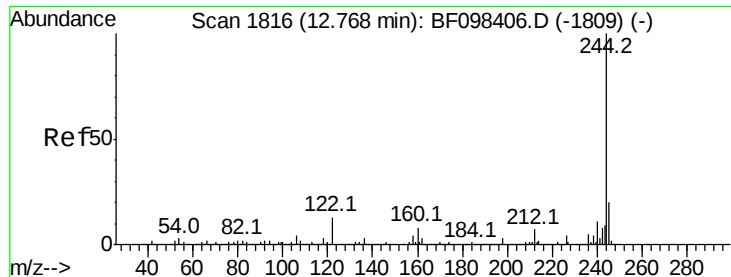


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.632 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

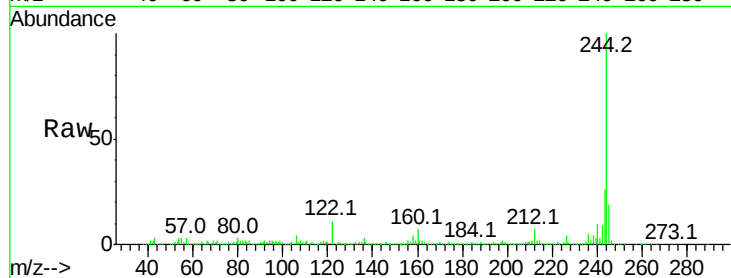
Tot Ion:244 Resp: 647632

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

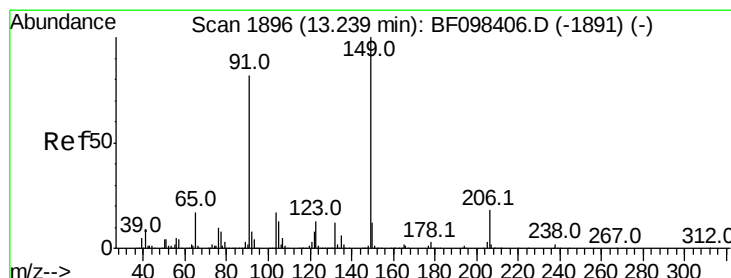
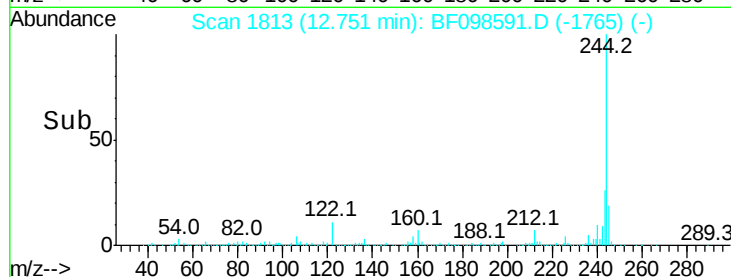
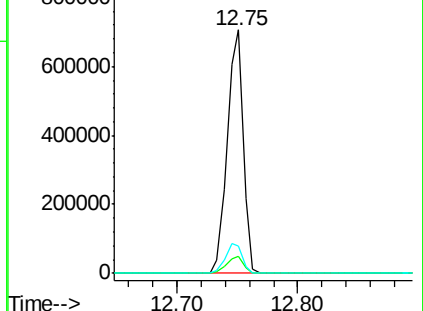
122 11.0 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 37.946 ng

RT: 13.23 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

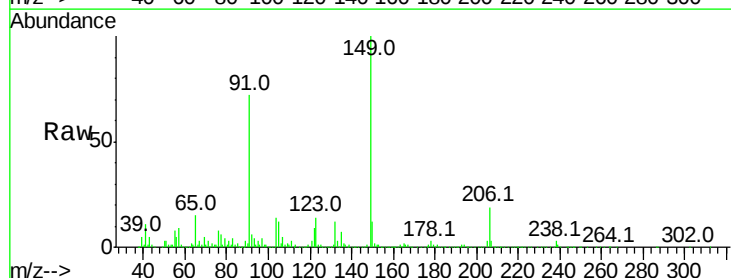
Tgt Ion:149 Resp: 320551

Ion Ratio Lower Upper

149 100

91 71.8 45.0 67.4#

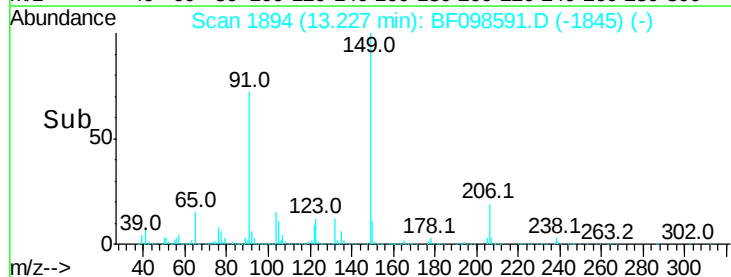
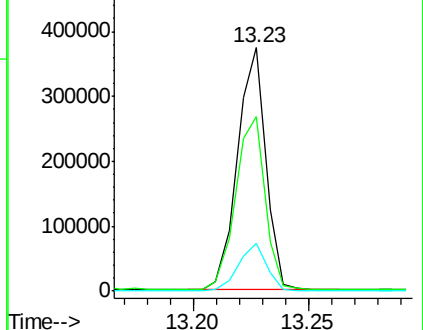
206 19.4 17.0 25.6

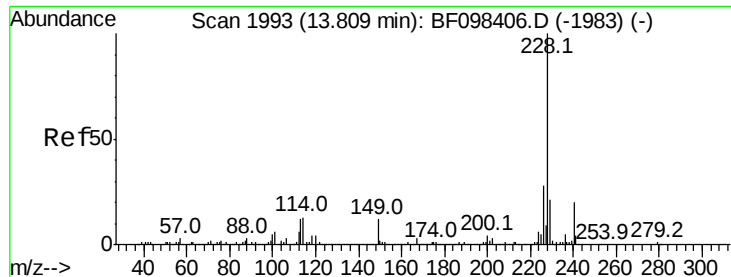


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 40.917 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

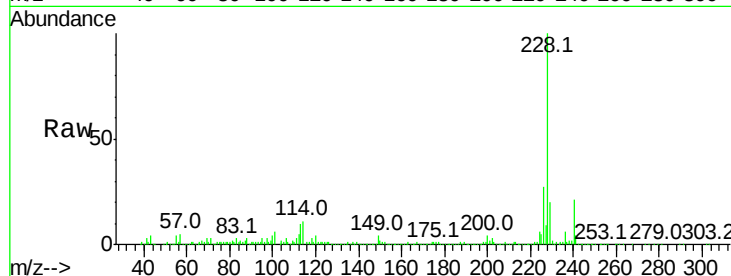
Tot Ion:228 Resp: 592132

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

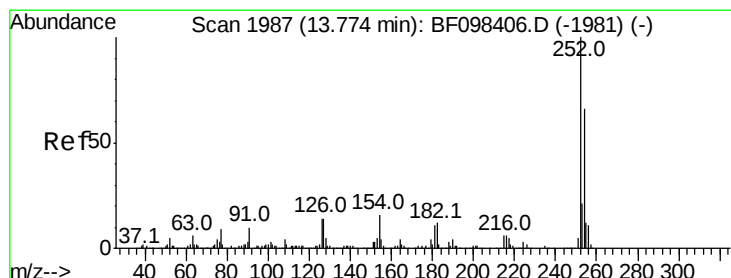
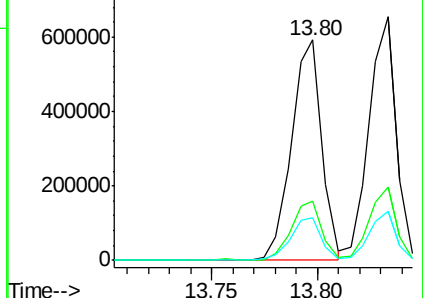
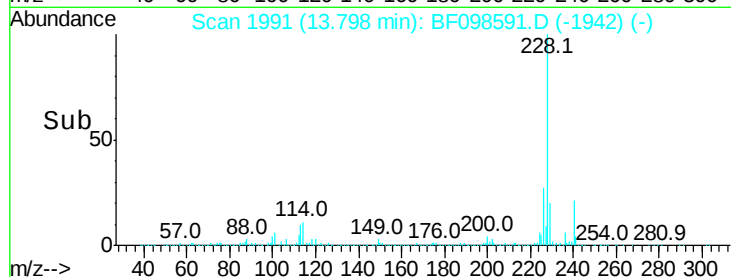
229 19.6 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 25.767 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.02 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

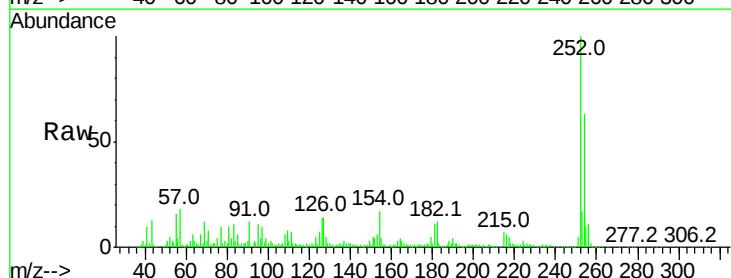
Tgt Ion:252 Resp: 144914

Ion Ratio Lower Upper

252 100

254 62.9 51.5 77.3

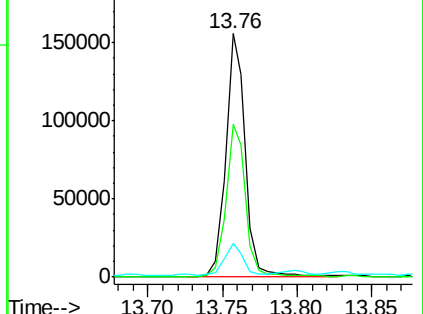
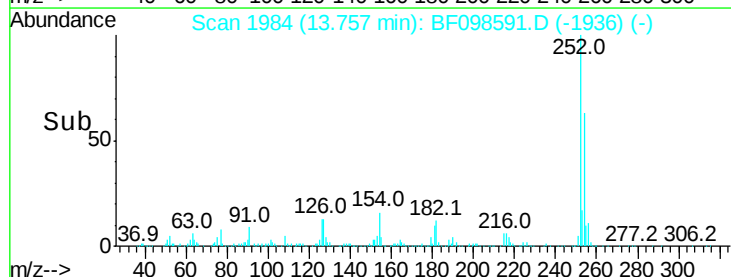
126 13.9 15.8 23.8#

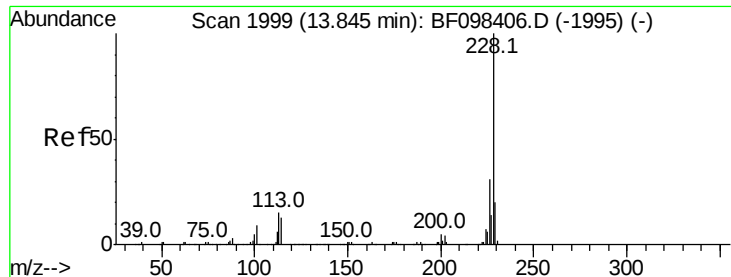


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 40.199 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

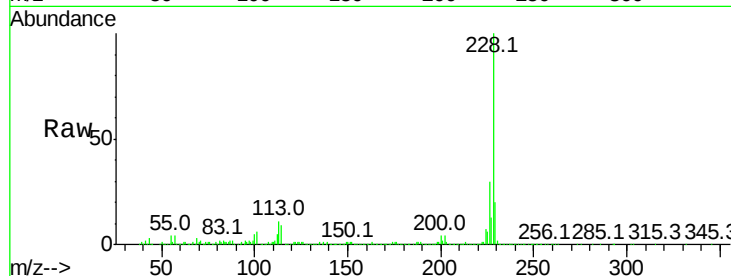
Tot Ion:228 Resp: 588049

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

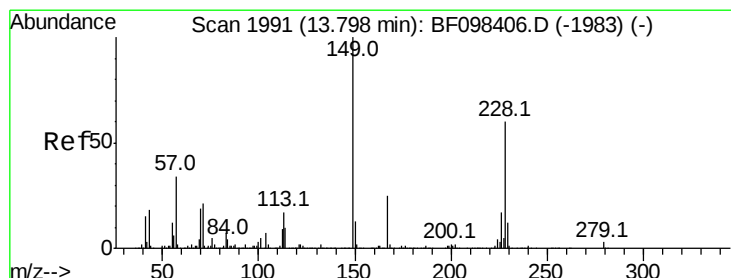
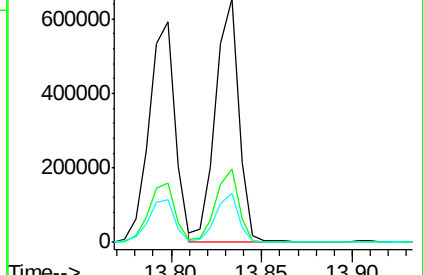
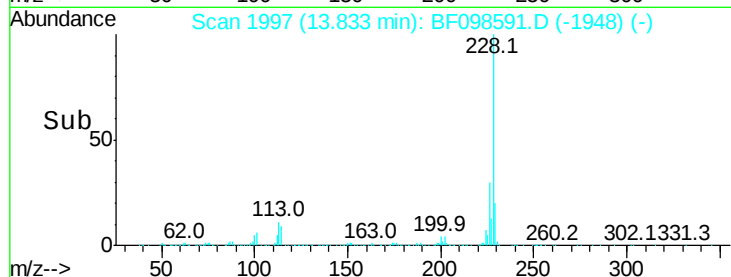
229 20.1 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 41.089 ng

RT: 13.79 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

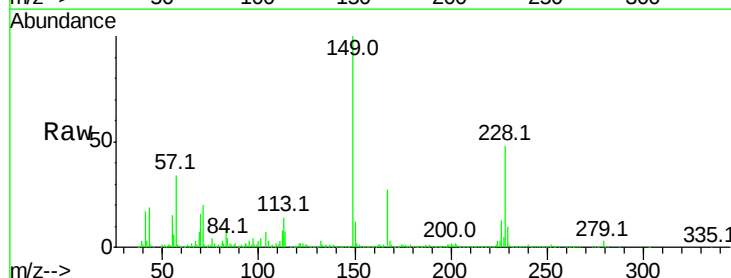
Tgt Ion:149 Resp: 435621

Ion Ratio Lower Upper

149 100

167 27.2 21.0 31.4

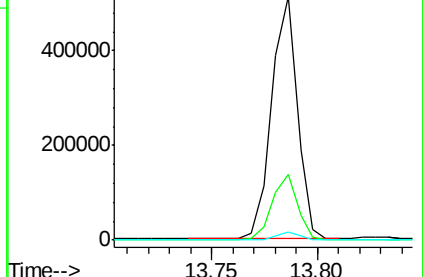
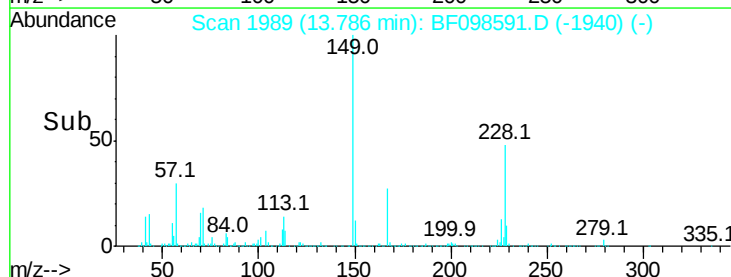
279 3.2 1.9 2.9#

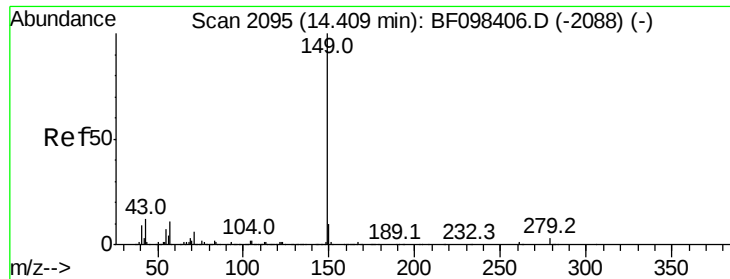


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 40.819 ng

RT: 14.40 min Scan# 2093

Delta R.T. -0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDEMSD

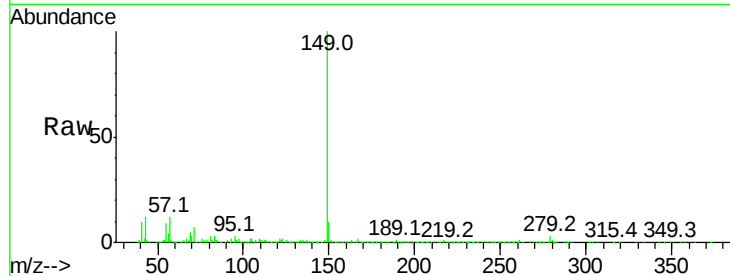
Tot Ion:149 Resp: 742485

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

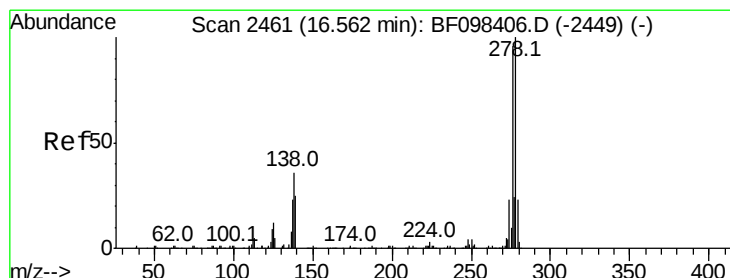
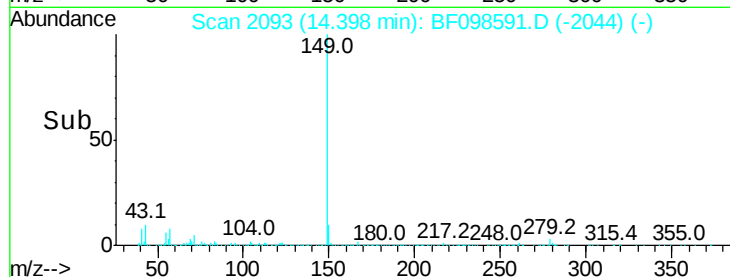
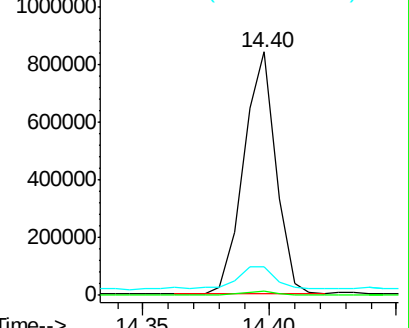
43 13.4 8.5 12.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 47.590 ng

RT: 16.57 min Scan# 2462

Delta R.T. 0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

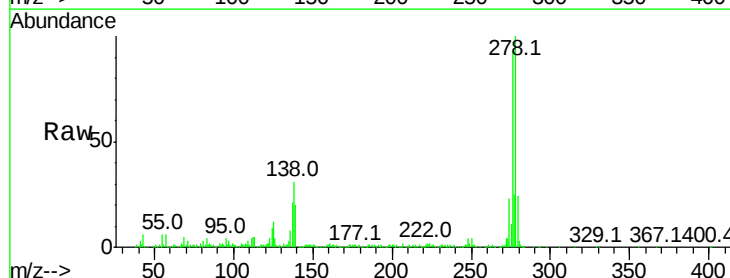
Tgt Ion:276 Resp: 488420

Ion Ratio Lower Upper

276 100

138 29.2 27.8 41.6

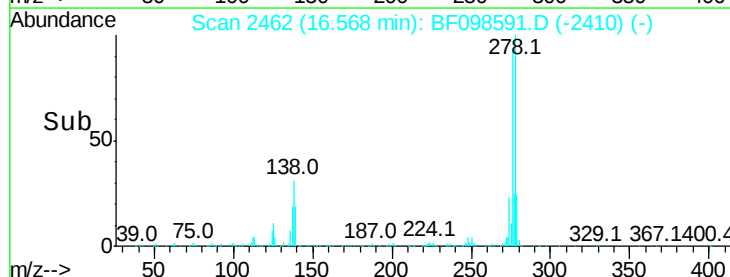
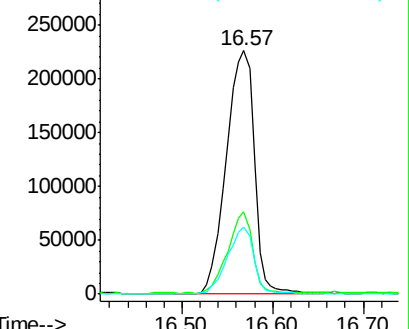
277 26.2 20.2 30.4

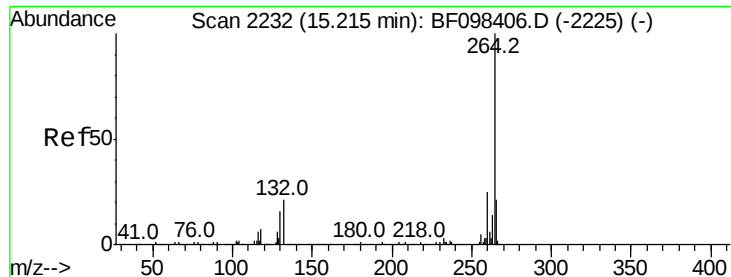


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

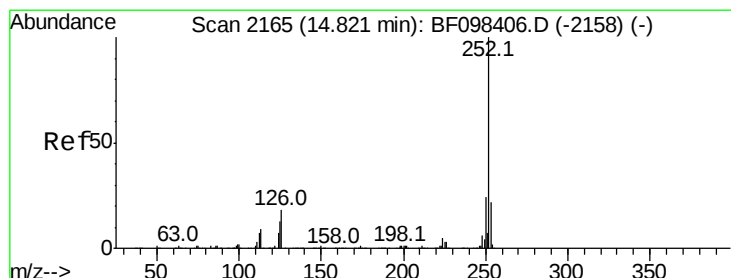
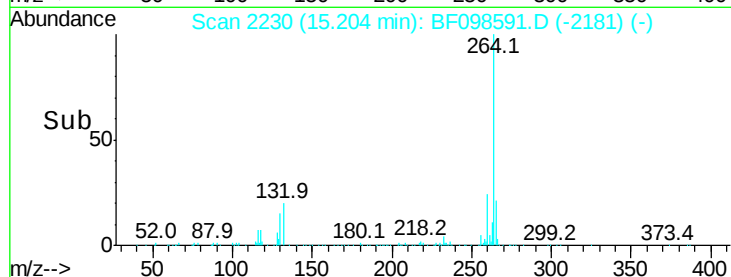
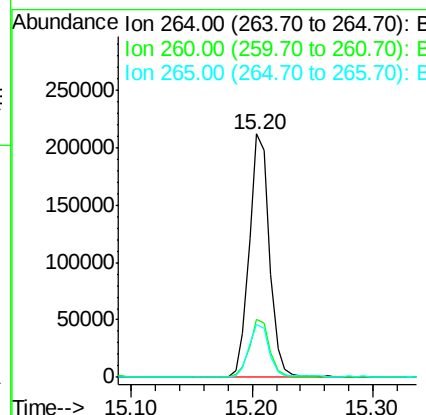
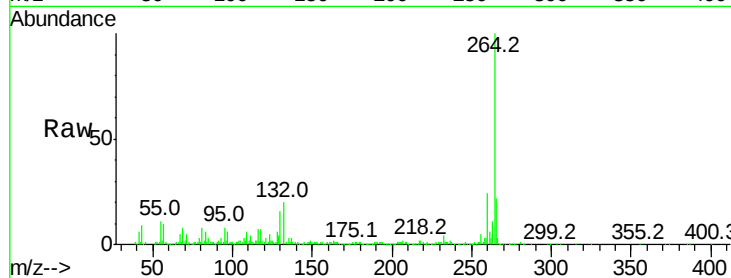




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

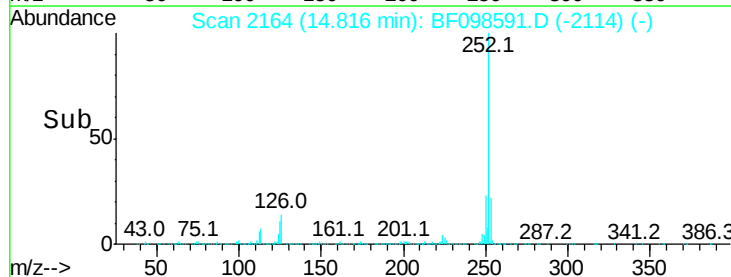
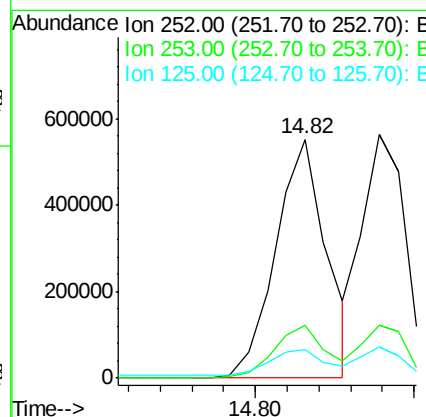
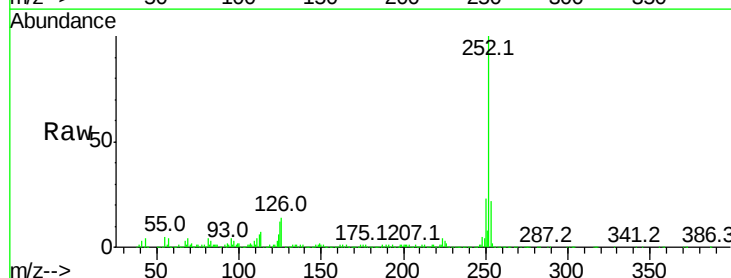
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-INSIDEMSD

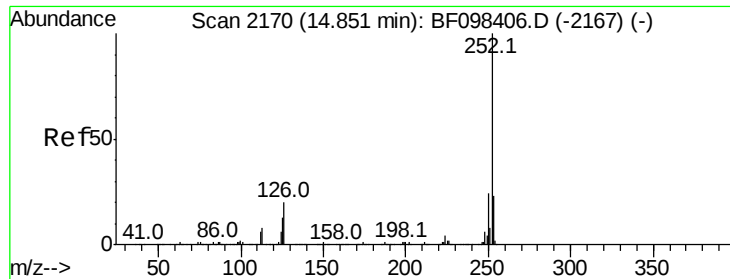
Tot Ion:264 Resp: 250137
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 21.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 39.167 ng
RT: 14.82 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Tgt Ion:252 Resp: 616022
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 12.0 9.8 14.8

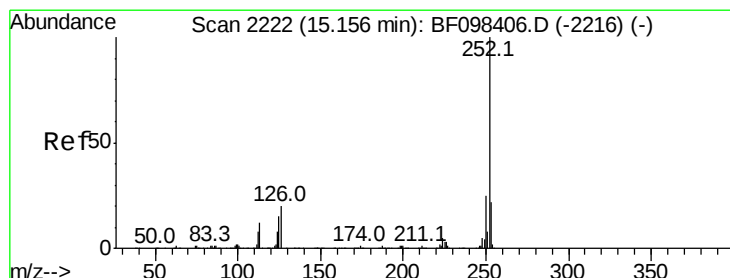
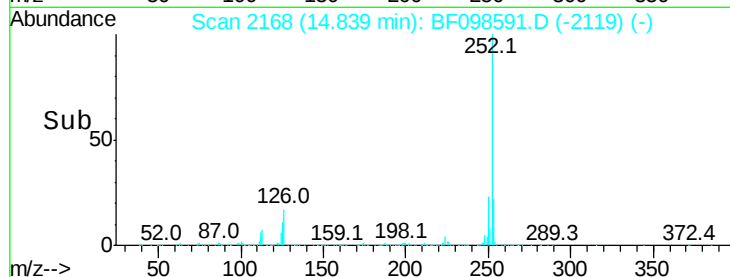
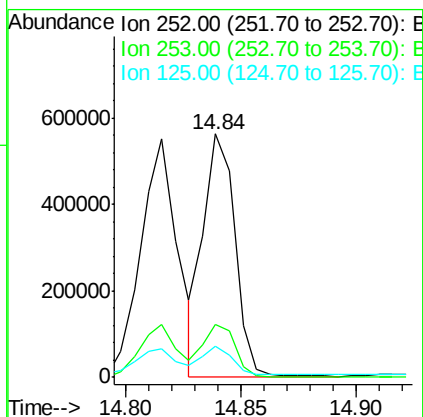
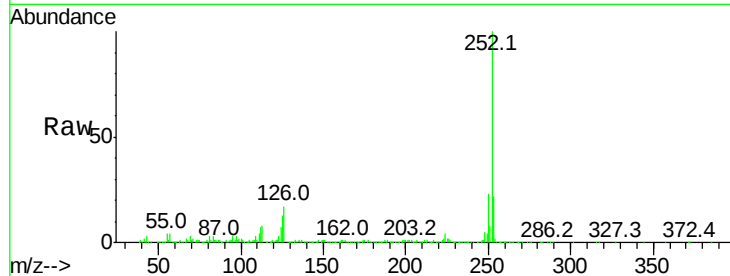




#88
Benzo(k)fluoranthene
Concen: 36.330 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

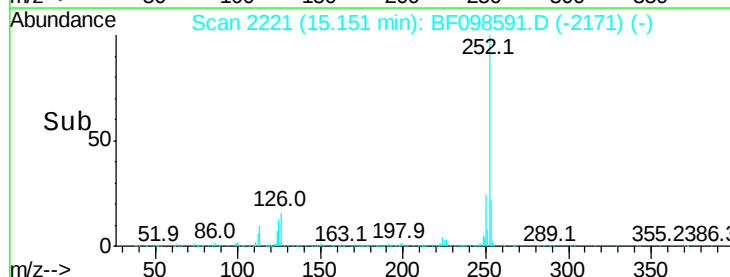
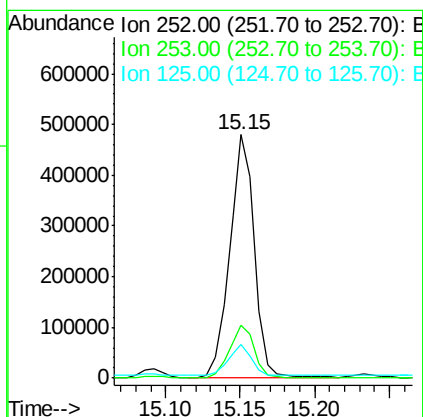
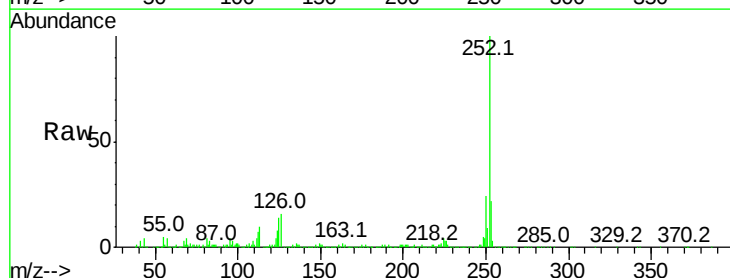
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-INSIDEMSD

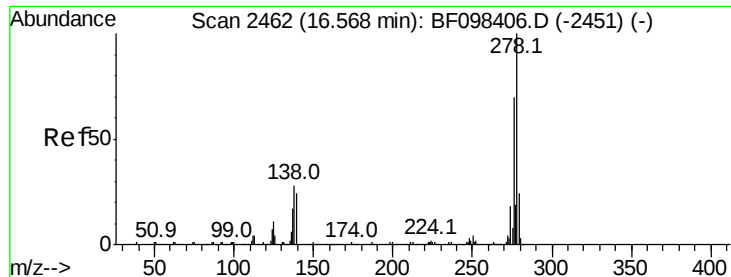
Tot Ion:252 Resp: 533434
Ion Ratio Lower Upper
252 100
253 22.0 18.4 27.6
125 12.7 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 39.358 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF098591.D
Acq: 16 Sep 2017 1:43

Tgt Ion:252 Resp: 551477
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 13.8 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 39.946 ng

RT: 16.57 min Scan# 2463

Delta R.T. 0.01 min

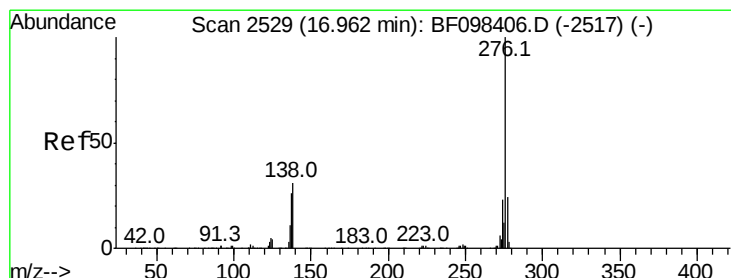
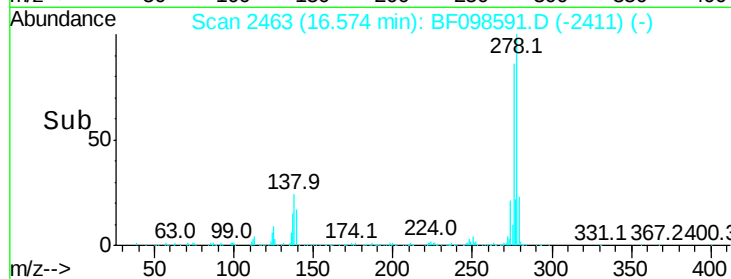
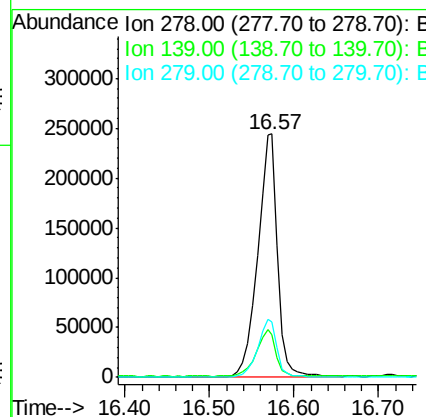
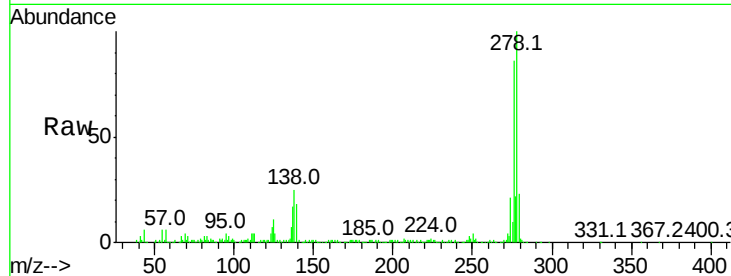
Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-INSIDEMSD

Tot Ion:278 Resp: 407158

Ion	Ratio	Lower	Upper
278	100		
139	17.6	16.6	24.8
279	23.0	19.3	28.9



#91

Benzo(g,h,i)perylene

Concen: 37.760 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.01 min

Lab File: BF098591.D

Acq: 16 Sep 2017 1:43

Tgt Ion:276 Resp: 387116

Ion	Ratio	Lower	Upper
276	100		
277	22.3	18.6	28.0
138	24.5	25.4	38.0#

