

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
 Data File : BF111328.D
 Acq On : 12 Dec 2018 18:20
 Operator : JU/SJ
 Sample : J6354-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL

Quant Time: Dec 13 01:19:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	273703	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1097122	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	484094	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	674856	20.00	ng	0.00
76) Chrysene-d12	13.95	240	464984	20.00	ng	-0.01
87) Perylene-d12	15.39	264	376541	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1661555	102.66	ng	0.00
7) Phenol-d6	6.43	99	2177621	99.79	ng	0.00
23) Nitrobenzene-d5	7.35	82	1364001	70.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	293402	68.76	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2255108	74.79	ng	0.00
79) Terphenyl-d14	12.90	244	1332959	63.09	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.56	88	417	0.052	ng	# 1
3) Pyridine	3.21	79	122	0.006	ng	# 1
4) n-Nitrosodimethylamine	3.23	42	893	0.096	ng	# 1
6) Aniline	6.43	93	4433	0.168	ng	# 1
8) 2-Chlorophenol	6.57	128	578	0.029	ng	# 1
9) Benzaldehyde	6.33	77	7987	0.011	ng	# 85
10) Phenol	6.43	94	165444	6.693	ng	# 96
11) bis(2-Chloroethyl)ether	6.56	93	2836	0.146	ng	# 1
12) 1,3-Dichlorobenzene	6.80	146	1998	0.093	ng	# 70
13) 1,4-Dichlorobenzene	6.80	146	1998	0.092	ng	# 89
14) 1,2-Dichlorobenzene	6.80	146	1998	0.099	ng	# 90
15) Benzyl Alcohol	6.95	79	24949	1.493	ng	# 45
16) 2,2'-oxybis(1-Chloropropan	7.07	45	231	0.006	ng	# 1
17) 2-Methylphenol	7.04	107	2297	0.143	ng	# 79
18) Hexachloroethane	7.33	117	2981	0.368	ng	# 1
19) n-Nitroso-di-n-propylamine	7.35	70	176219	12.152	ng	# 79
20) 3+4-Methylphenols	7.20	107	3317	0.173	ng	# 80
22) Acetophenone	7.19	105	16016	0.628	ng	# 65
24) Nitrobenzene	7.35	77	7640	0.381	ng	# 35
25) Isophorone	7.35	82	1334606	40.364	ng	# 64
27) 2,4-Dimethylphenol	7.73	122	4048	0.271	ng	# 95
28) bis(2-Chloroethoxy)methane	7.83	93	2016	0.089	ng	# 1
29) 2,4-Dichlorophenol	7.93	162	124	0.008	ng	# 25
31) Naphthalene	8.09	128	584569	11.436	ng	# 96
32) Benzoic acid	7.92	122	901	0.072	ng	# 97
33) 4-Chloroaniline	8.09	127	76470	3.503	ng	# 30
35) Caprolactam	8.51	113	5978	1.093	ng	# 65
36) 4-Chloro-3-methylphenol	8.61	107	318	0.019	ng	# 20
37) 2-Methylnaphthalene	8.79	142	256213	7.754	ng	# 97
38) 1-Methylnaphthalene	8.89	142	172874	5.421	ng	# 95
46) 1,1'-Biphenyl	9.25	154	47770	1.157	ng	# 96
47) 2-Chloronaphthalene	9.27	162	170	0.005	ng	# 32
48) 2-Nitroaniline	9.35	65	904	0.088	ng	# 28
49) Acenaphthylene	9.69	152	25387	0.549	ng	# 90

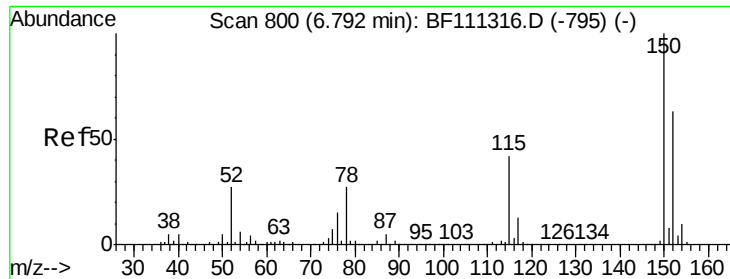
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
 Data File : BF111328.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) Dimethylphthalate	9.54	163	172562	4.957	ng	99
51) 2,6-Dinitrotoluene	9.63	165	2637	0.342	ng	# 49
52) Acenaphthene	9.86	154	114481	3.927	ng	99
53) 3-Nitroaniline	9.78	138	188	0.020	ng	# 1
54) 2,4-Dinitrophenol	10.05	184	168	0.055	ng	# 10
55) Dibenzofuran	10.03	168	167943	3.991	ng	95
56) 4-Nitrophenol	9.93	139	2792	0.418	ng	# 57
57) 2,4-Dinitrotoluene	10.15	165	2634	0.266	ng	# 30
58) Fluorene	10.37	166	111609	3.708	ng	92
59) 2,3,4,6-Tetrachlorophenol	10.41	232	109	0.014	ng	# 1
60) Diethylphthalate	10.23	149	18221	0.520	ng	# 90
61) 4-Chlorophenyl-phenylether	10.31	204	111	0.007	ng	# 1
62) 4-Nitroaniline	10.25	138	1394	0.156	ng	83
63) Azobenzene	10.53	77	4122	0.117	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.52	198	108	0.028	ng	# 1
66) n-Nitrosodiphenylamine	10.49	169	9956	0.415	ng	# 48
67) 4-Bromophenyl-phenylether	10.61	248	18443	2.455	ng	# 1
69) Atrazine	11.03	200	234	0.034	ng	# 3
71) Phenanthrene	11.33	178	639985	18.347	ng	95
72) Anthracene	11.33	178	639985	18.019	ng	96
73) Carbazole	11.53	167	54374	1.481	ng	98
74) Di-n-butylphthalate	11.87	149	7030	0.168	ng	# 87
75) Fluoranthene	12.52	202	586393	17.220	ng	97
77) Benzidine	12.90	184	17153	1.955	ng	97
78) Pyrene	12.75	202	459748	12.811	ng	96
80) Butylbenzylphthalate	13.37	149	3055	0.177	ng	# 88
81) Benzo(a)anthracene	13.93	228	138180	5.311	ng	98
82) 3,3'-Dichlorobenzidine	13.88	252	1057	0.107	ng	# 29
83) Chrysene	13.97	228	175099	6.597	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	15755	0.748	ng	# 98
85) Di-n-octyl phthalate	14.56	149	2661	0.077	ng	# 66
86) Indeno(1,2,3-cd)pyrene	16.69	276	2614	0.126	ng	97
88) Benzo(b)fluoranthene	14.97	252	220076	10.278	ng	# 94
89) Benzo(k)fluoranthene	14.97	252	220076	10.297	ng	# 94
90) Benzo(a)pyrene	15.32	252	78952	3.960	ng	97
91) Dibenzo(a,h)anthracene	16.79	278	10714	0.646	ng	# 89
92) Benzo(g,h,i)perylene	17.21	276	36279	2.188	ng	93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111328.D

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SOIL

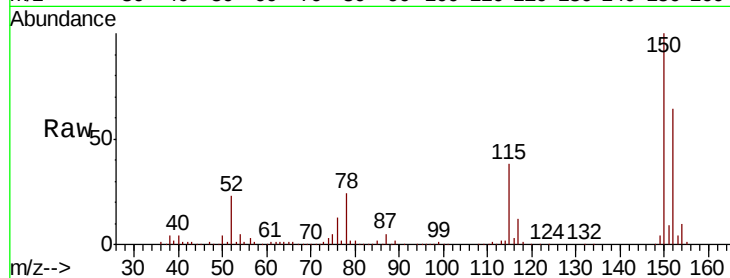
Tgt Ion:152 Resp: 273703

Ion Ratio Lower Upper

152 100

150 155.6 126.6 189.8

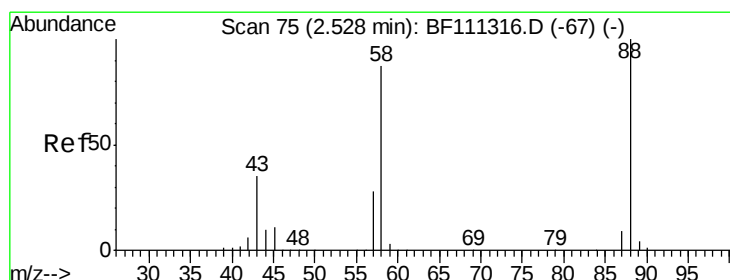
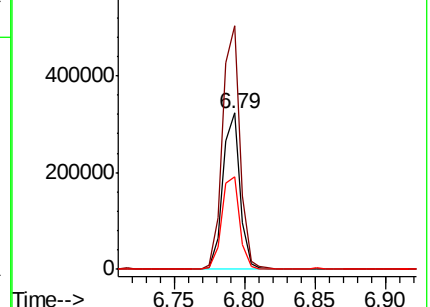
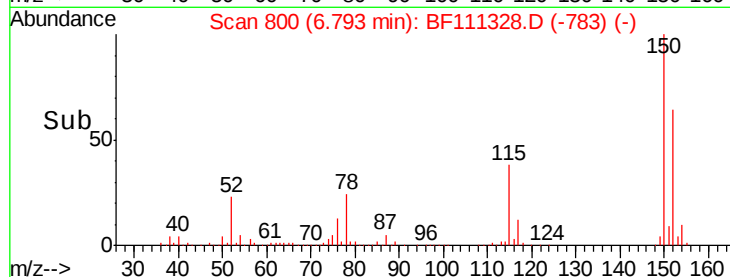
115 59.6 50.7 76.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.052 ng

RT: 2.56 min Scan# 80

Delta R.T. 0.03 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

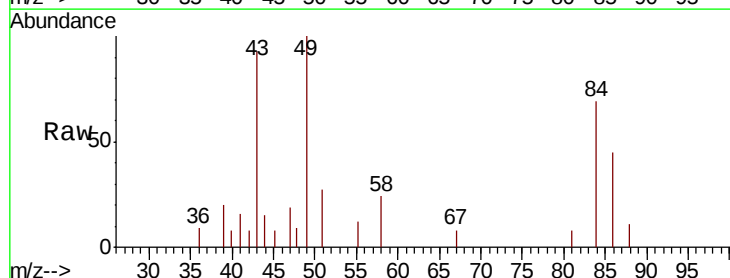
Tgt Ion: 88 Resp: 417

Ion Ratio Lower Upper

88 100

58 224.7 68.9 103.3#

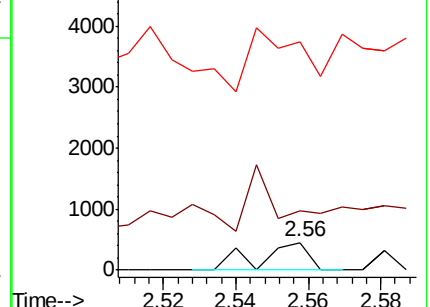
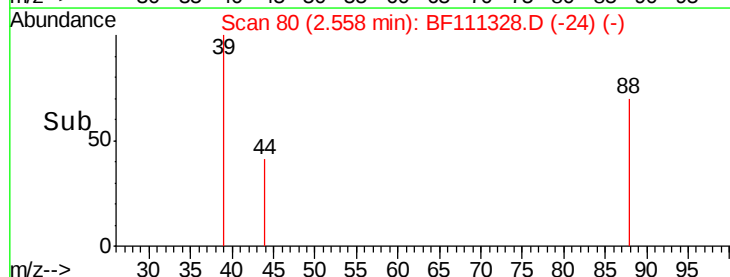
43 237.6 25.8 38.6#

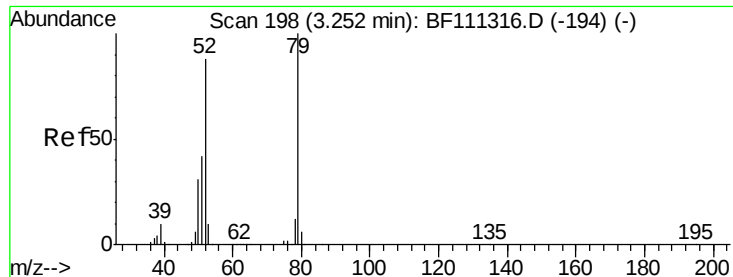


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 0.006 ng

RT: 3.21 min Scan# 191

Delta R.T. -0.04 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

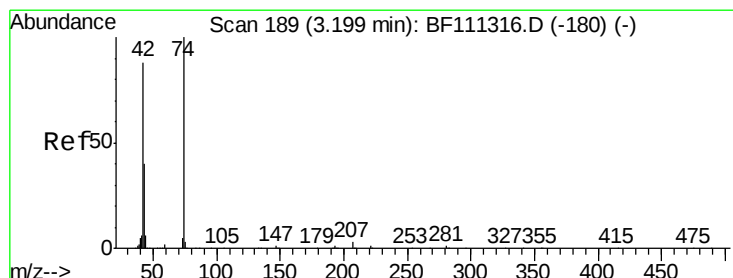
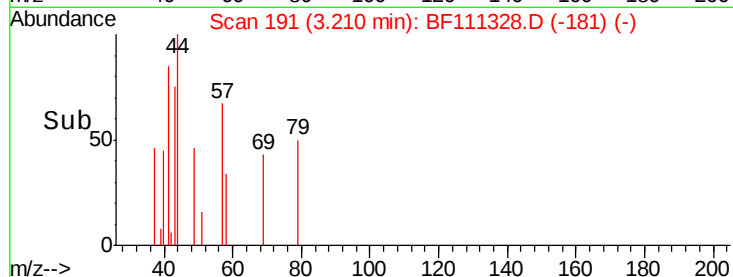
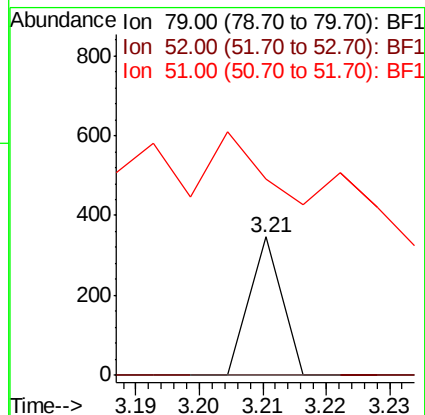
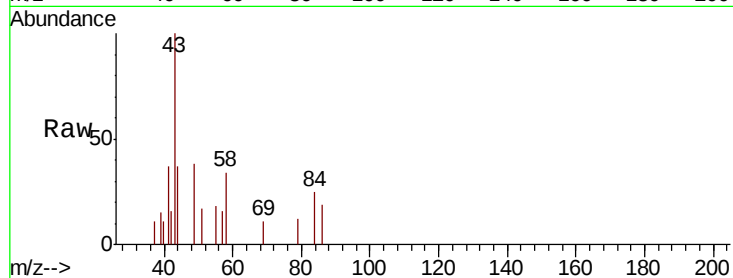
Tgt Ion: 79 Resp: 122

Ion Ratio Lower Upper

79 100

52 0.0 68.3 102.5#

51 141.5 32.6 49.0#



#4

n-Nitrosodimethylamine

Concen: 0.096 ng

RT: 3.23 min Scan# 194

Delta R.T. 0.03 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

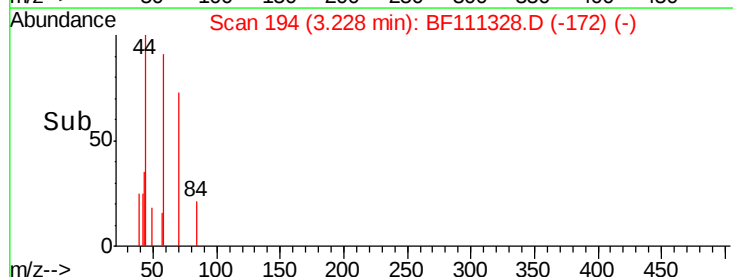
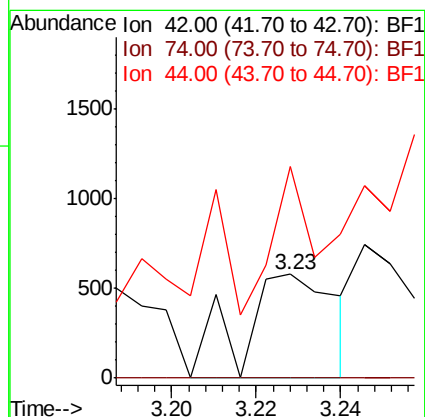
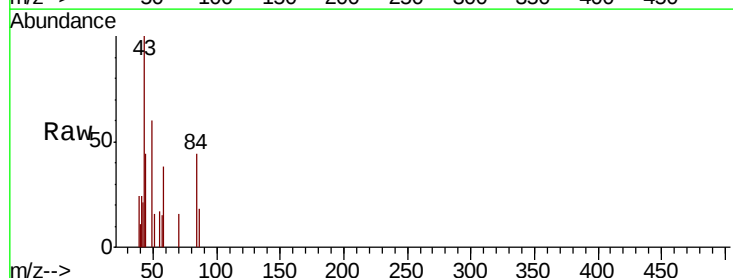
Tgt Ion: 42 Resp: 893

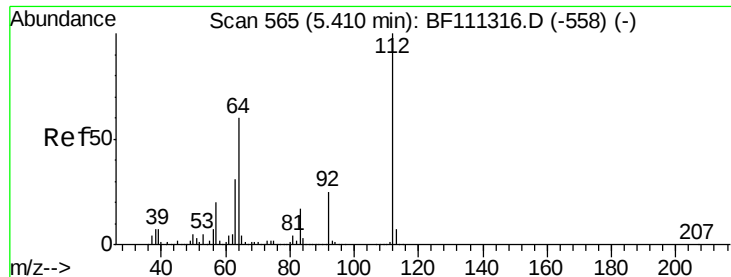
Ion Ratio Lower Upper

42 100

74 0.0 101.5 152.3#

44 203.5 6.0 9.0#





#5

2-Fluorophenol

Concen: 102.657 ng

RT: 5.41 min Scan# 565

Delta R.T. 0.00 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

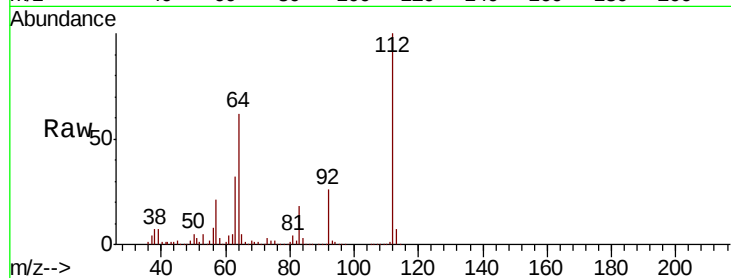
Tgt Ion:112 Resp: 1661555

Ion Ratio Lower Upper

112 100

64 61.8 51.8 77.6

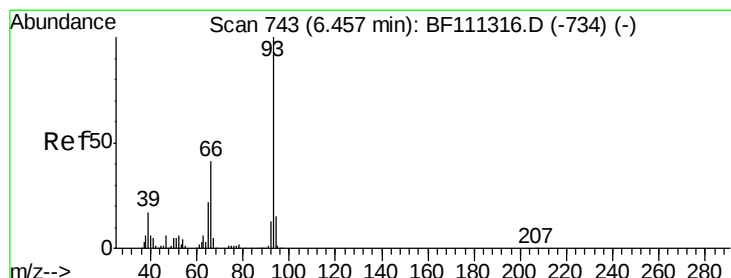
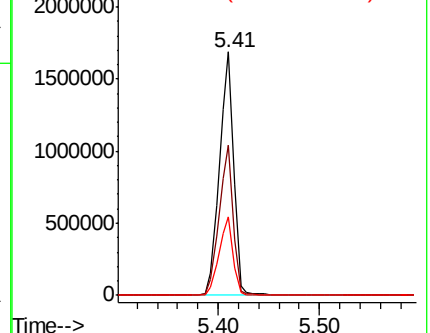
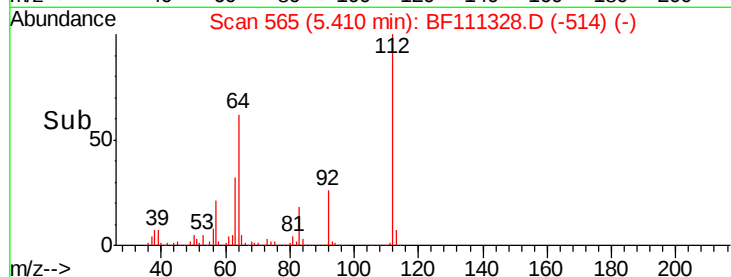
63 32.4 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.168 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

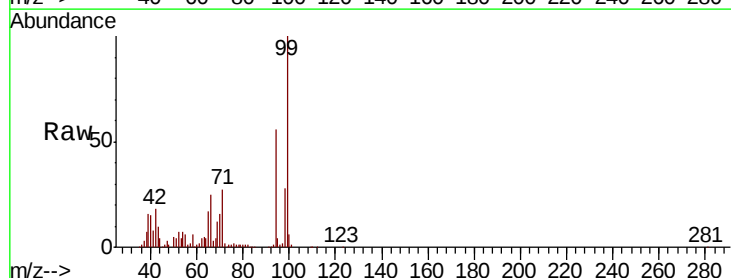
Tgt Ion: 93 Resp: 4433

Ion Ratio Lower Upper

93 100

66 2162.9 33.2 49.8#

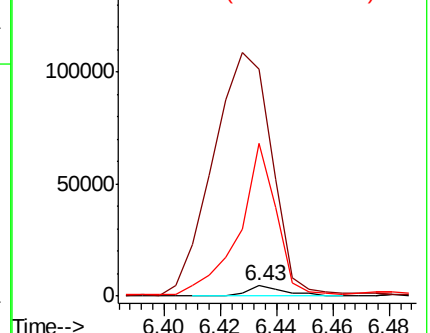
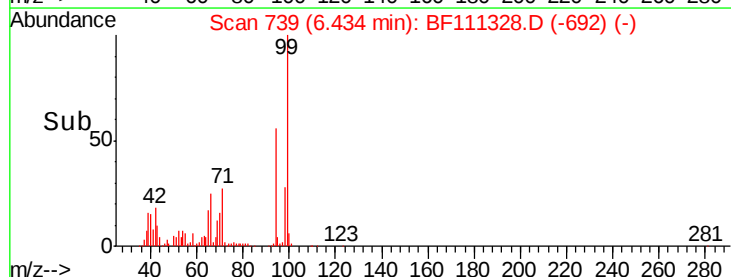
65 1451.4 17.0 25.4#

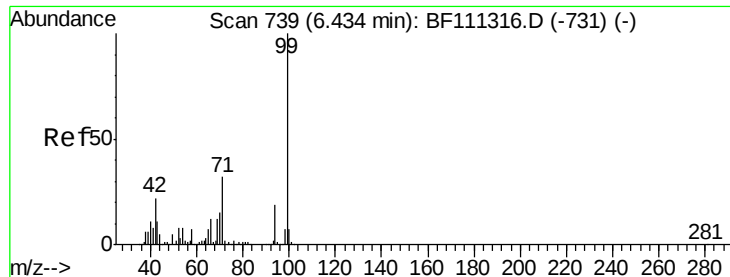


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 99.788 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampled :

SOIL

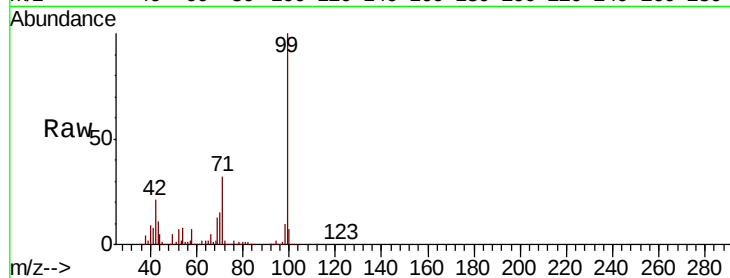
Tgt Ion: 99 Resp: 2177621

Ion Ratio Lower Upper

99 100

42 21.4 17.4 26.0

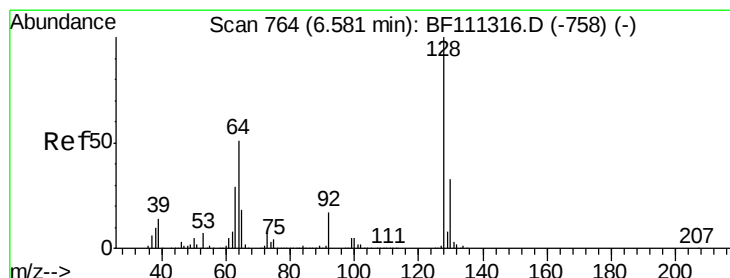
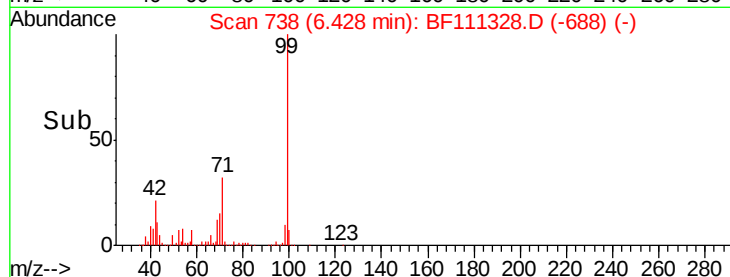
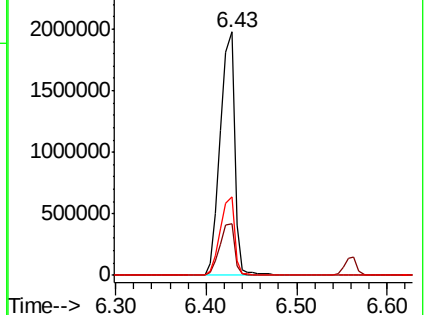
71 32.0 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 0.029 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

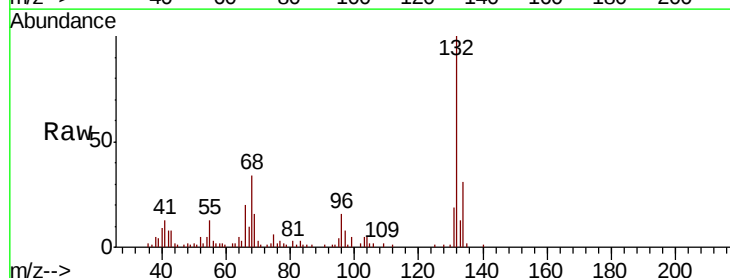
Tgt Ion: 128 Resp: 578

Ion Ratio Lower Upper

128 100

130 142.6 12.7 52.7#

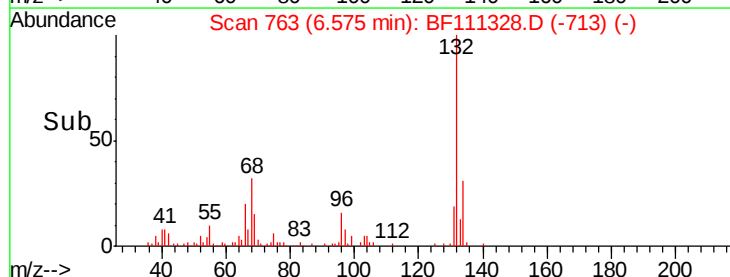
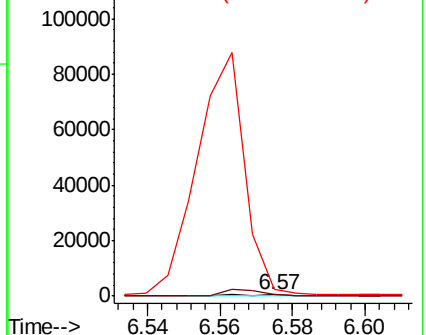
64 521.6 30.0 70.0#

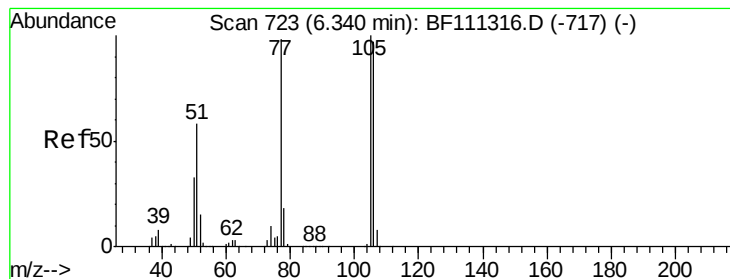


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 0.011 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

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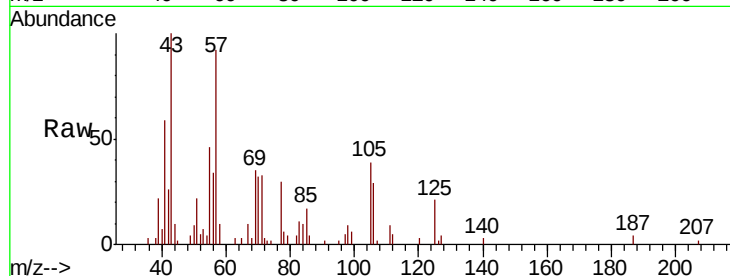
Tgt Ion: 77 Resp: 7987

Ion Ratio Lower Upper

77 100

105 129.8 81.4 121.4#

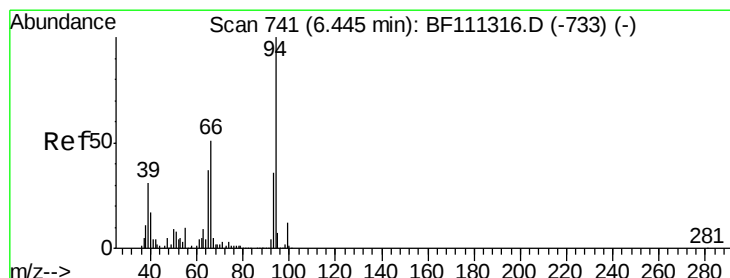
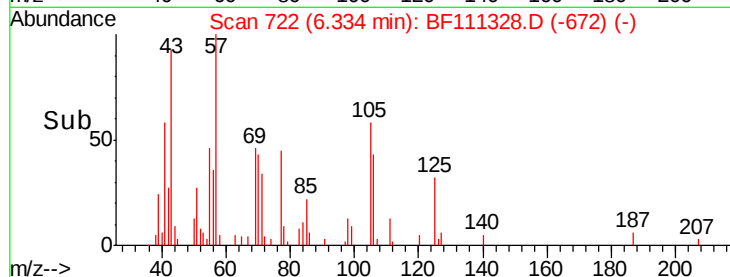
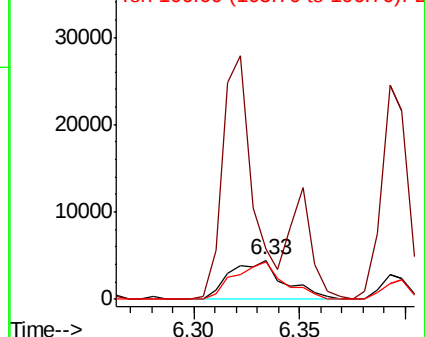
106 96.5 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 6.693 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

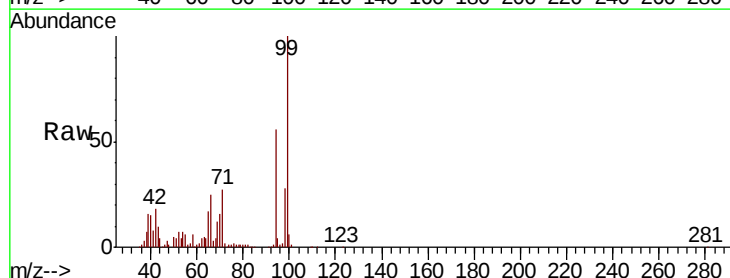
Tgt Ion: 94 Resp: 165444

Ion Ratio Lower Upper

94 100

65 29.6 11.7 51.7

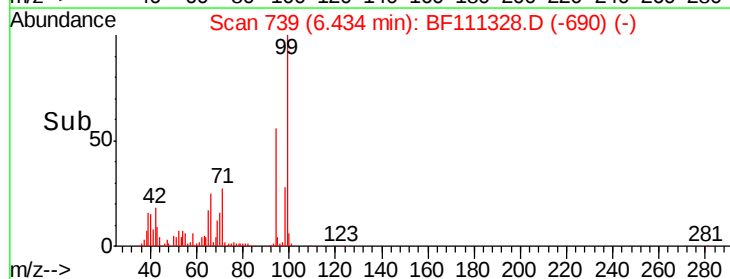
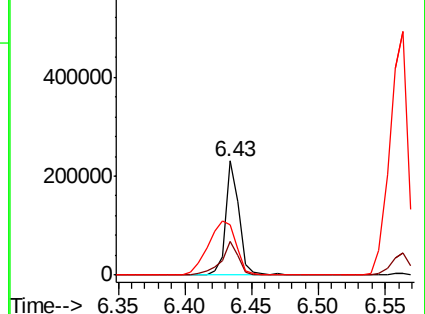
66 44.1 21.0 61.0

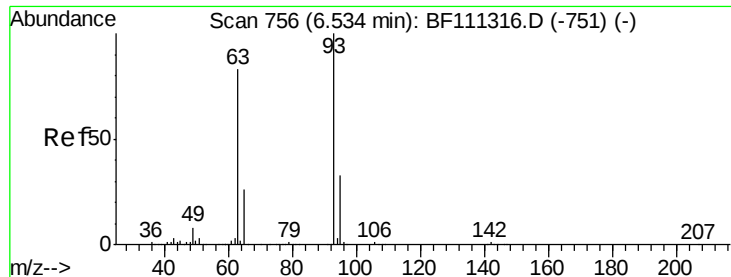


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

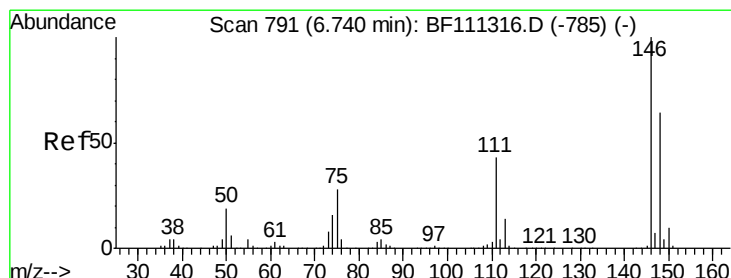
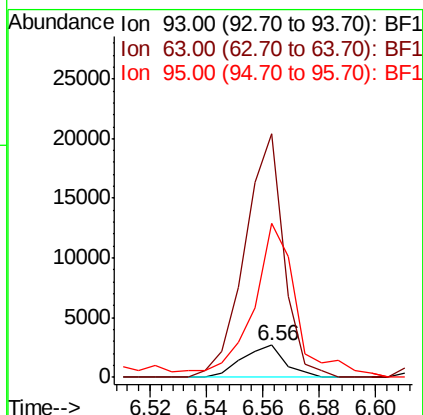
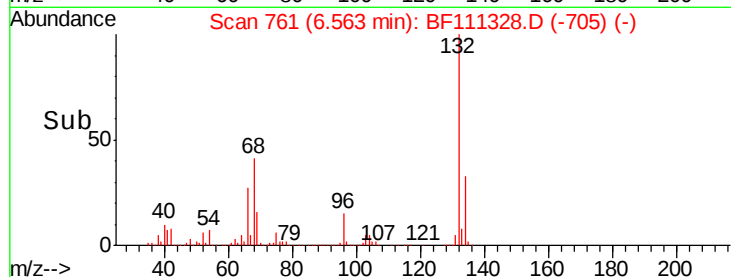
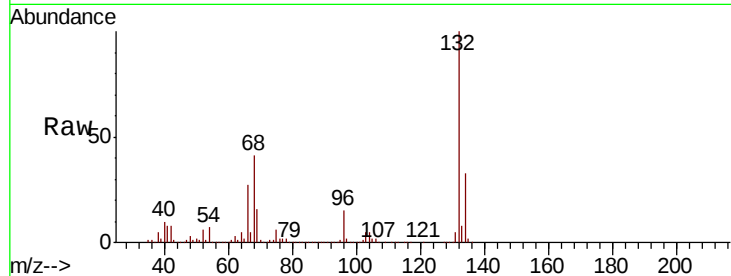




#11
bis(2-Chloroethyl)ether
Concen: 0.146 ng
RT: 6.56 min Scan# 761
Delta R.T. 0.03 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

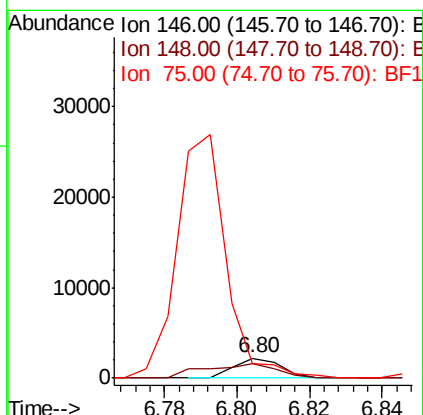
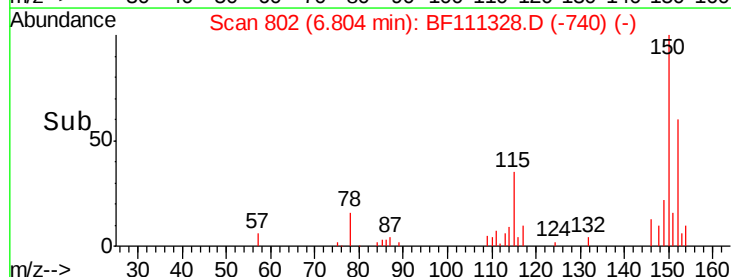
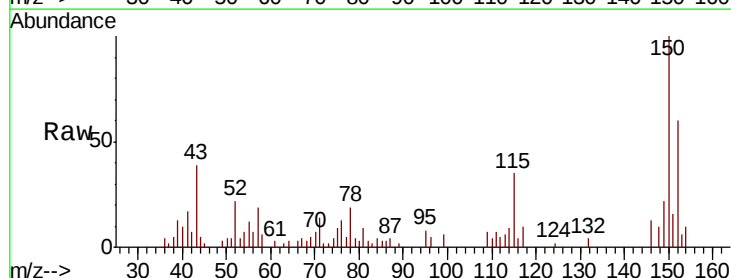
Instrument :
BNA_F
ClientSampled :
SOIL

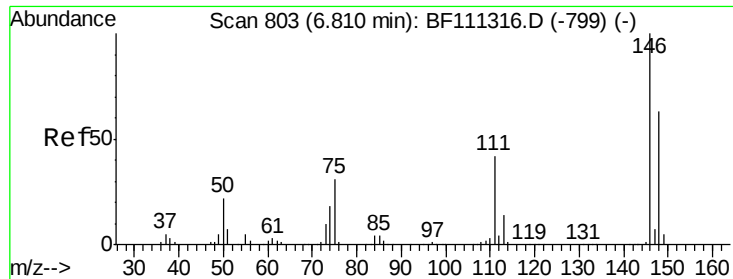
Tgt Ion: 93 Resp: 2836
Ion Ratio Lower Upper
93 100
63 764.9 60.0 100.0#
95 482.5 13.4 53.4#



#12
1,3-Dichlorobenzene
Concen: 0.093 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.06 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion: 146 Resp: 1998
Ion Ratio Lower Upper
146 100
148 72.3 52.1 78.1
75 70.5 23.9 35.9#

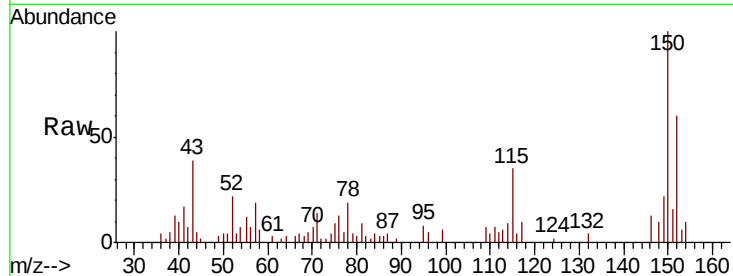




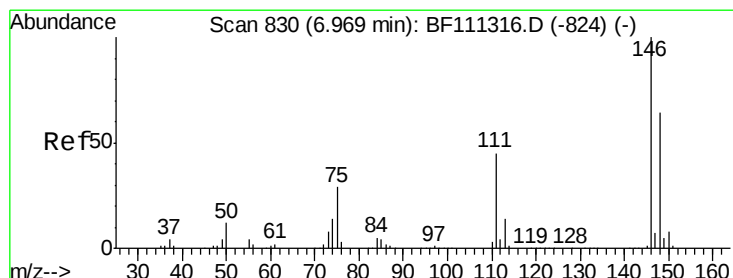
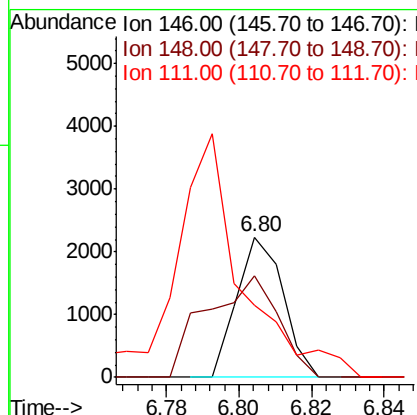
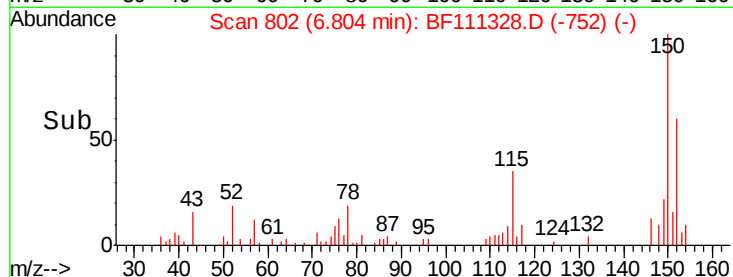
#13
 1,4-Dichlorobenzene
 Concen: 0.092 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

Instrument :
 BNA_F
 ClientSampled :
 SOIL

Tgt Ion:146 Resp: 1998
 Ion Ratio Lower Upper
 146 100
 148 72.3 52.8 79.2
 111 51.7 33.4 50.0#

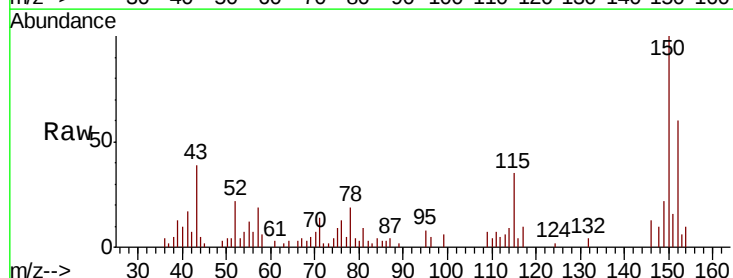


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

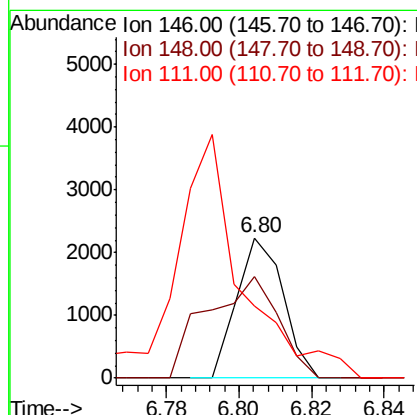
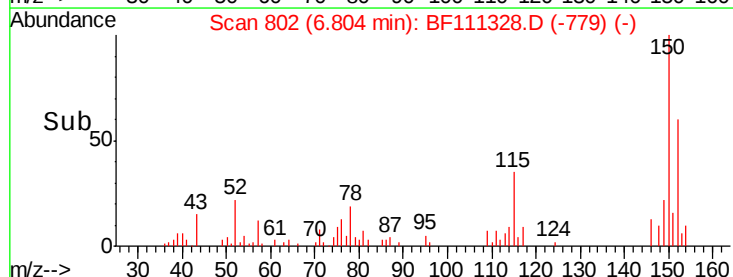


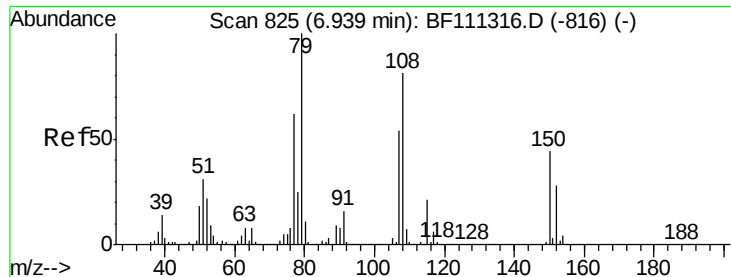
#14
 1,2-Dichlorobenzene
 Concen: 0.099 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.16 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

Tgt Ion:146 Resp: 1998
 Ion Ratio Lower Upper
 146 100
 148 72.3 51.9 77.9
 111 51.7 36.2 54.4



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





#15

Benzyl Alcohol

Concen: 1.493 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

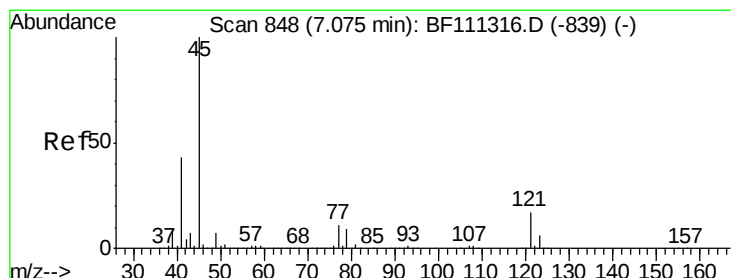
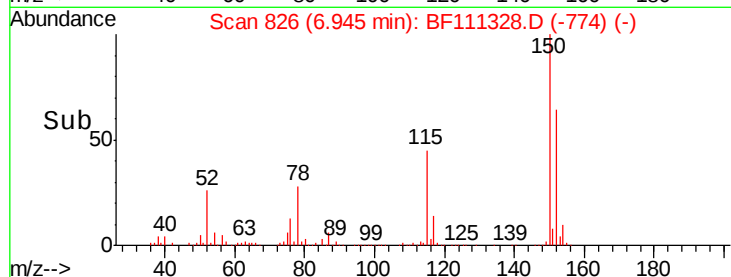
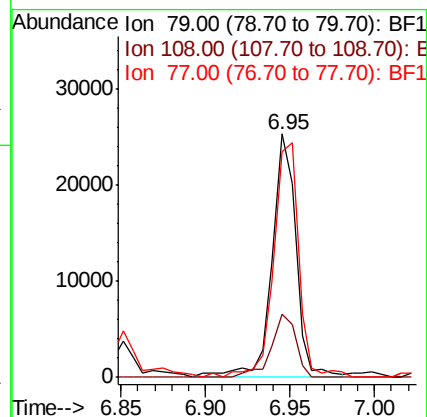
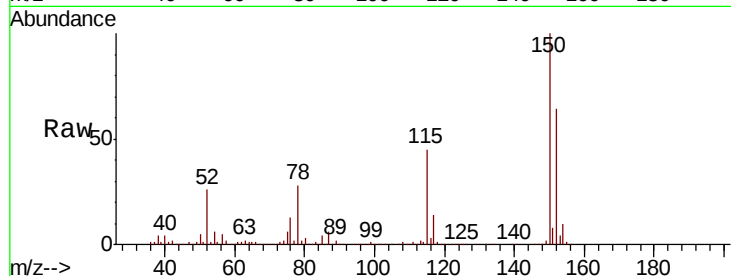
Tgt Ion: 79 Resp: 24949

Ion Ratio Lower Upper

79 100

108 25.9 69.4 104.2#

77 92.5 49.7 74.5#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.006 ng

RT: 7.07 min Scan# 847

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

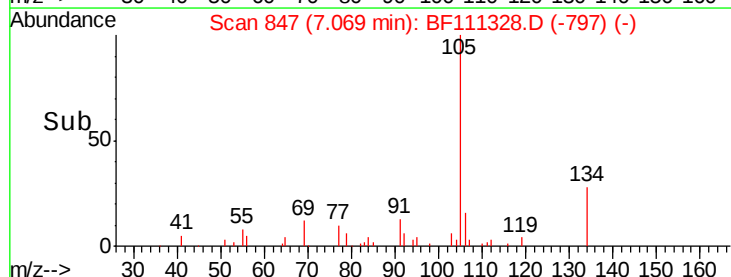
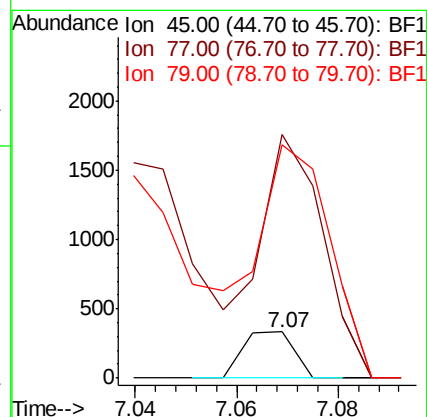
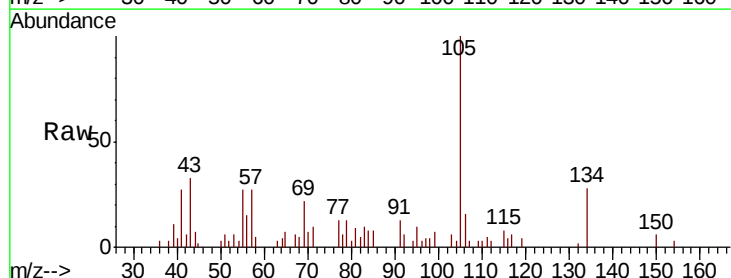
Tgt Ion: 45 Resp: 231

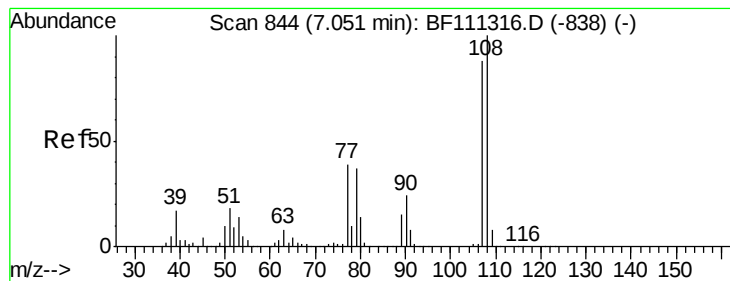
Ion Ratio Lower Upper

45 100

77 530.8 0.0 31.5#

79 509.7 0.0 28.9#





#17

2-Methylphenol

Concen: 0.143 ng

RT: 7.04 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

Tgt Ion:107 Resp: 2297

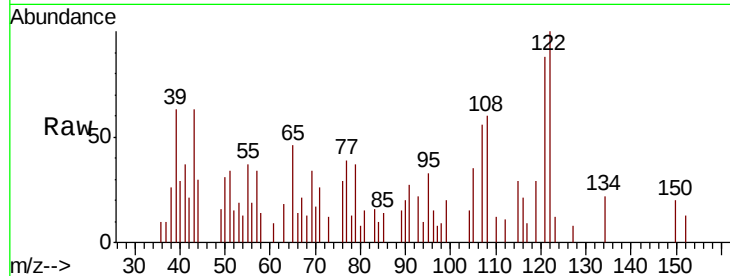
Ion Ratio Lower Upper

107 100

108 107.0 91.0 136.4

77 69.7 33.5 50.3#

79 65.6 33.3 49.9#

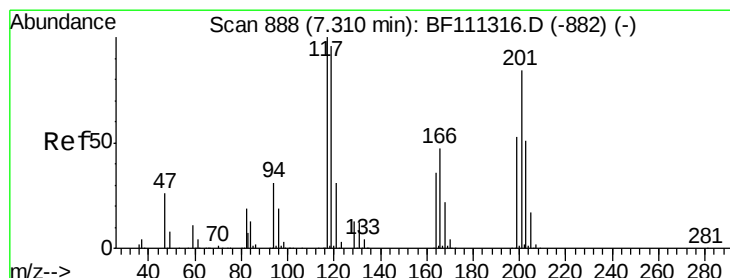
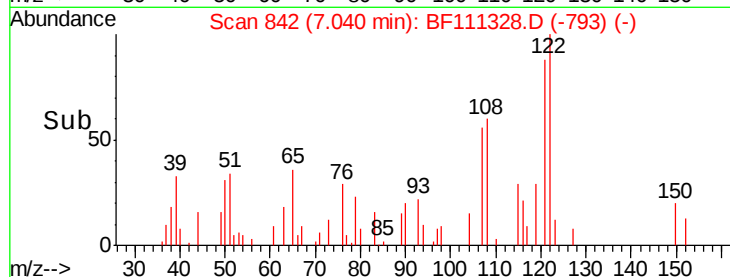
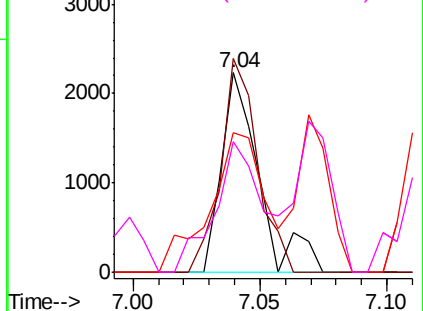


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 0.368 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.02 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

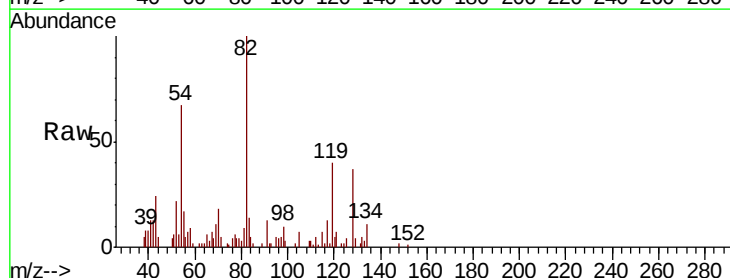
Tgt Ion:117 Resp: 2981

Ion Ratio Lower Upper

117 100

119 319.0 75.4 113.0#

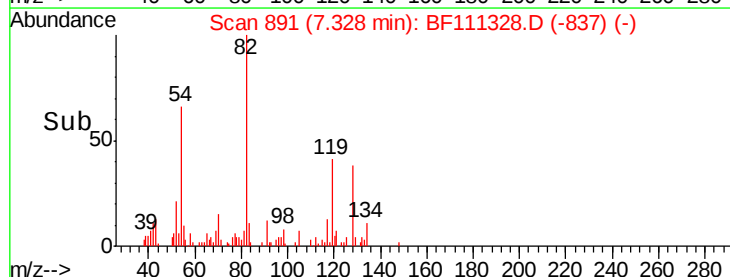
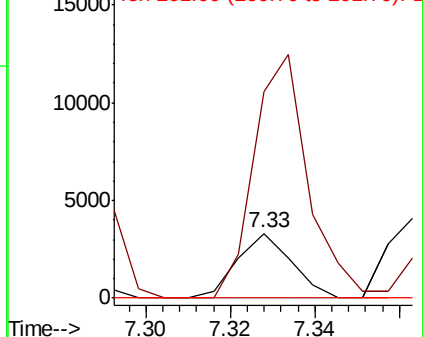
201 0.0 62.4 93.6#

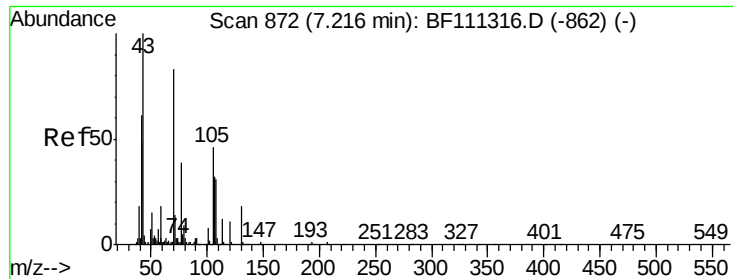


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

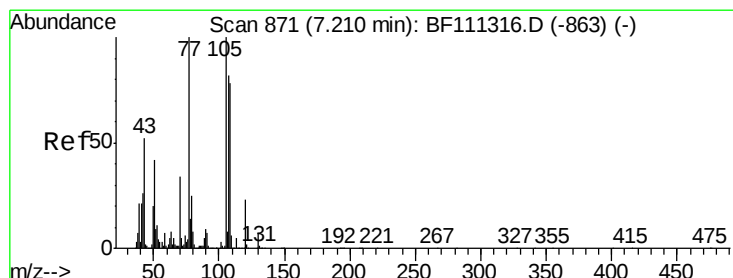
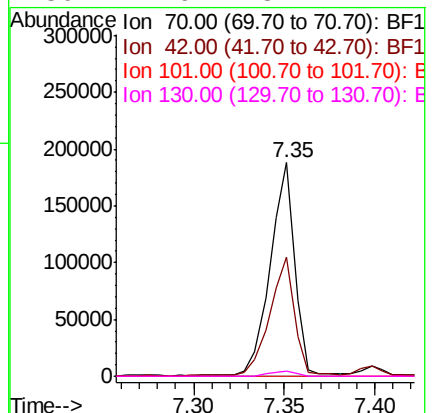
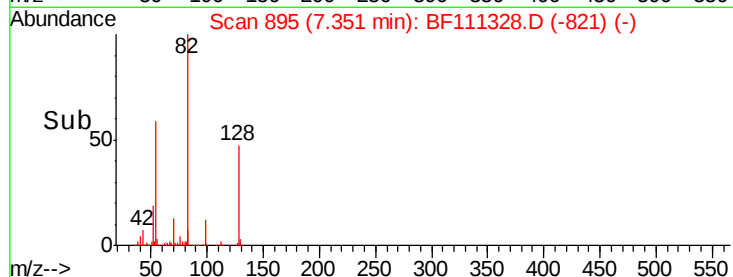
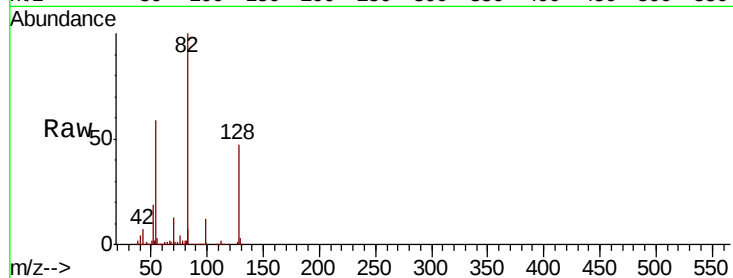




#19
n-Nitroso-di-n-propylamine
Concen: 12.152 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

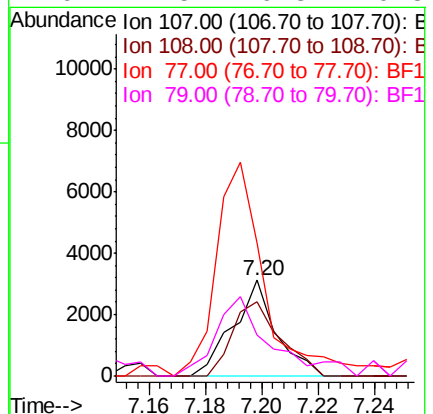
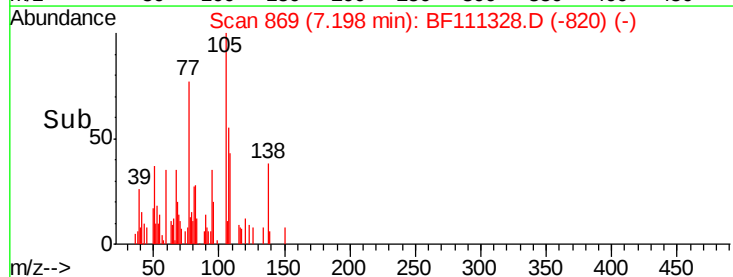
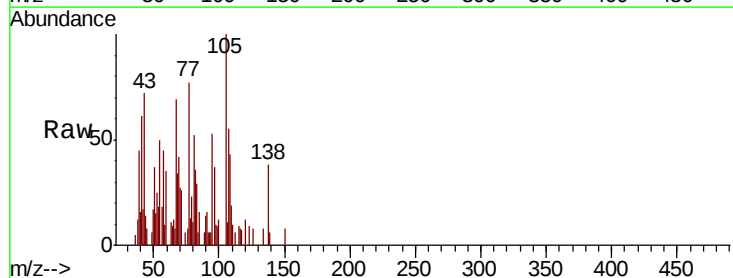
Instrument :
BNA_F
ClientSampled :
SOIL

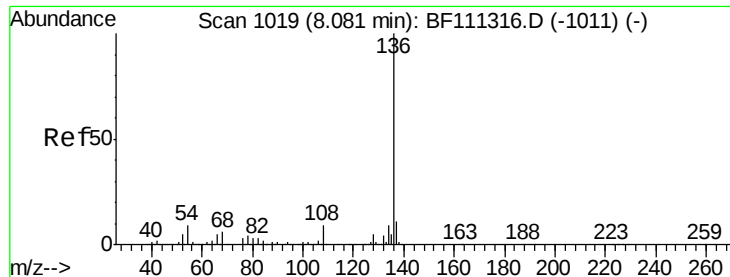
Tgt Ion: 70 Resp: 176219
Ion Ratio Lower Upper
70 100
42 56.0 53.2 79.8
101 0.0 8.2 12.4#
130 2.6 18.1 27.1#



#20
3+4-Methylphenols
Concen: 0.173 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion: 107 Resp: 3317
Ion Ratio Lower Upper
107 100
108 77.4 72.1 112.1
77 139.3 94.1 134.1#
79 42.5 9.8 49.8

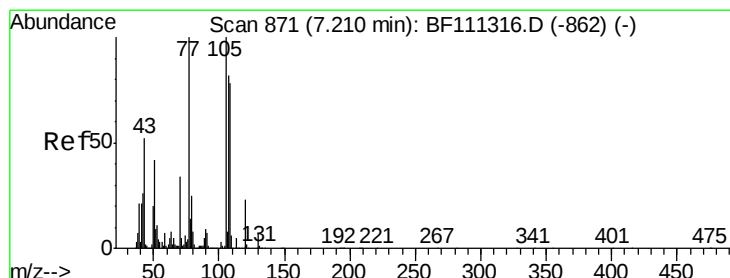
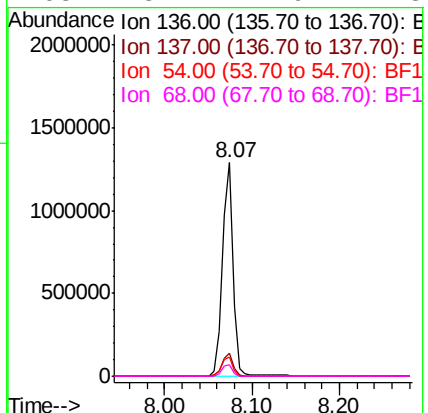
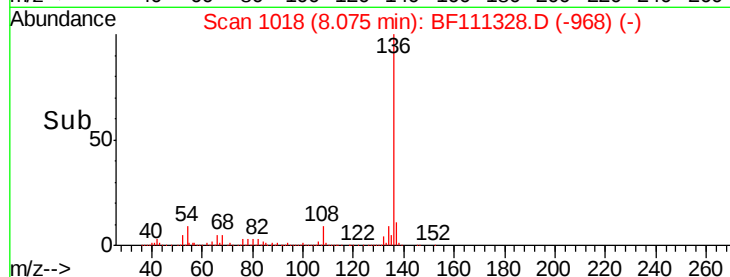
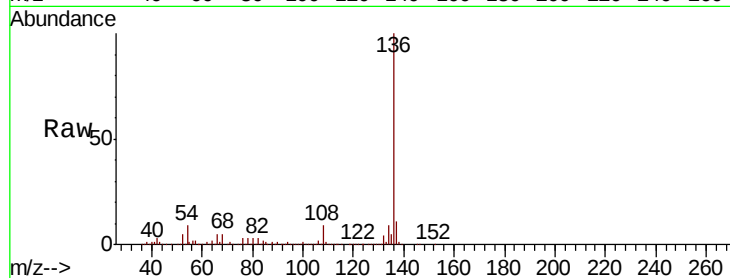




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

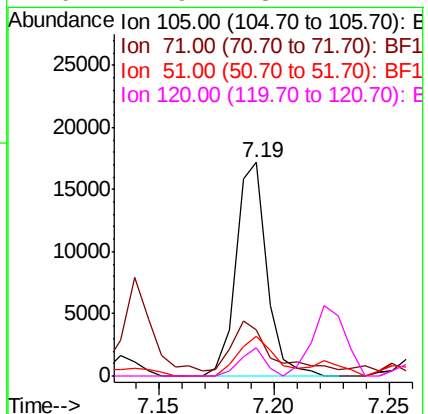
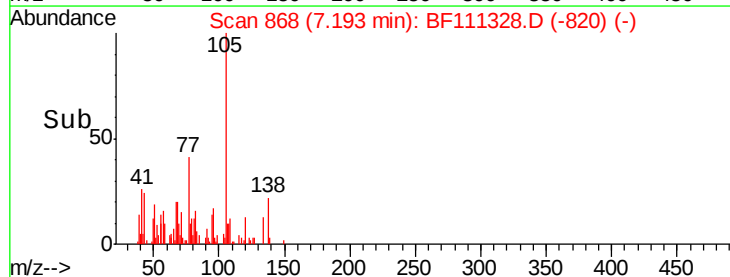
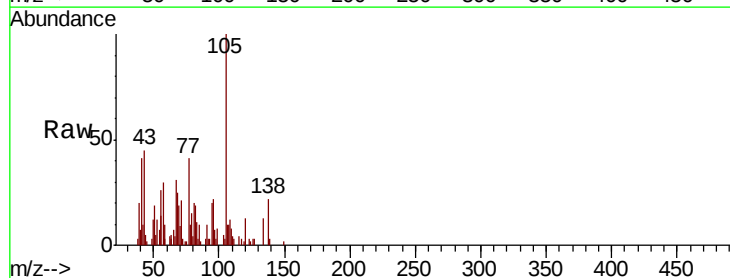
Instrument :
BNA_F
ClientSampleId :
SOIL

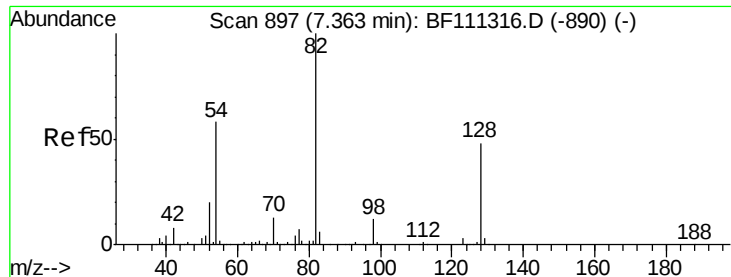
Tgt Ion:	136	Resp:	1097122
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	9.2	7.7	11.5
68	5.4	4.9	7.3



#22
Acetophenone
Concen: 0.628 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.02 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion:	105	Resp:	16016
Ion	Ratio	Lower	Upper
105	100		
71	21.3	3.1	4.7#
51	18.8	36.6	54.8#
120	12.9	18.2	27.4#





#23

Nitrobenzene-d5

Concen: 70.074 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

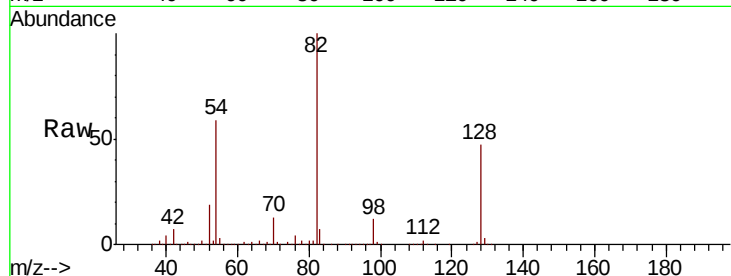
Tgt Ion: 82 Resp: 1364001

Ion Ratio Lower Upper

82 100

128 47.0 37.4 56.2

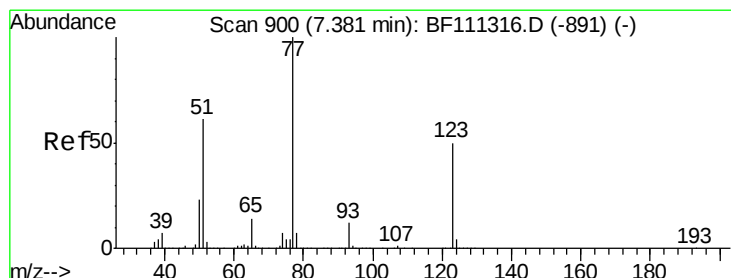
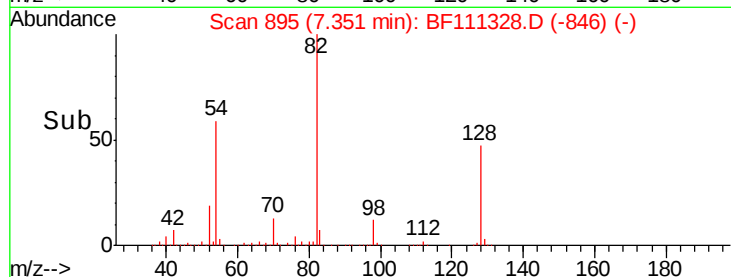
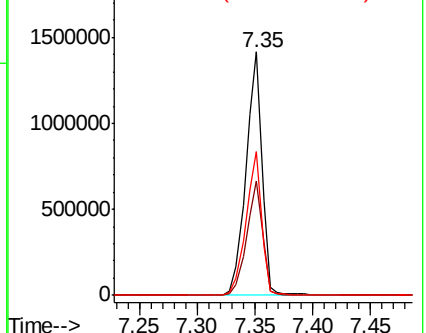
54 59.1 47.6 71.4



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 0.381 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.03 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

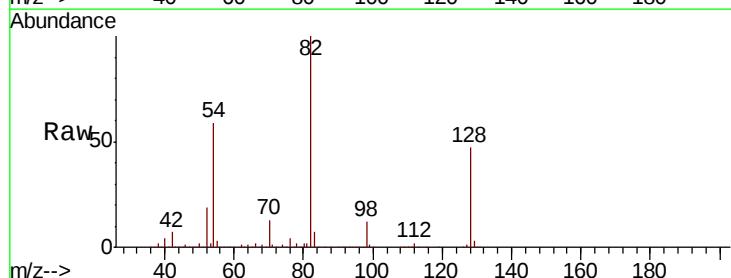
Tgt Ion: 77 Resp: 7640

Ion Ratio Lower Upper

77 100

123 0.0 37.2 55.8#

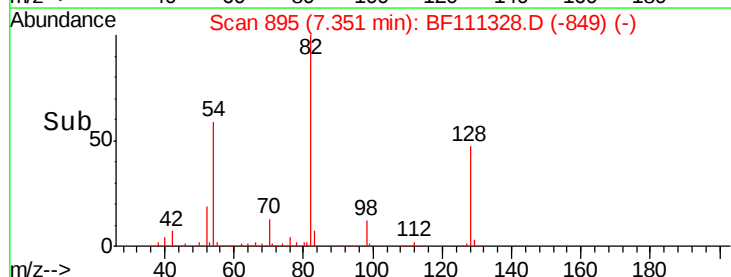
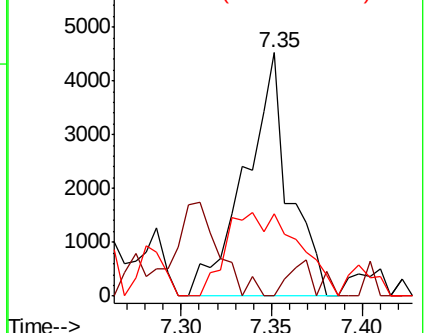
65 33.7 11.5 17.3#

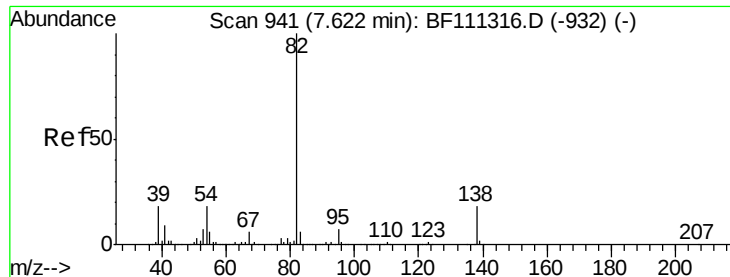


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 40.364 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.27 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

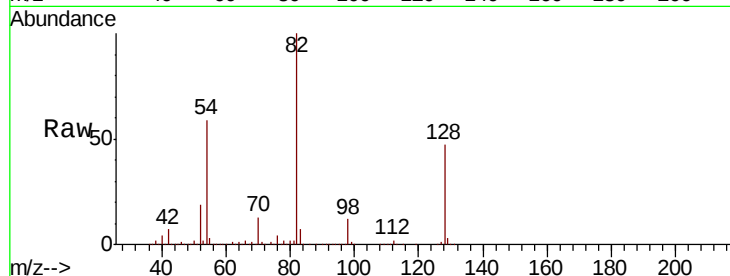
Tgt Ion: 82 Resp: 1334606

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

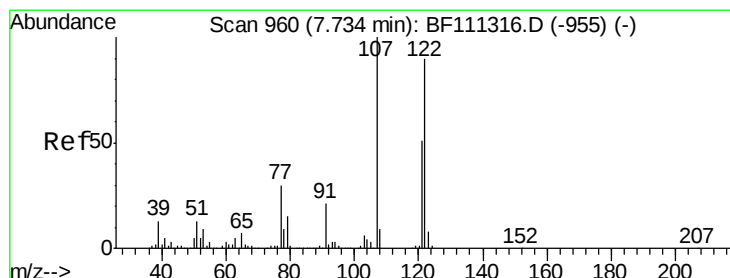
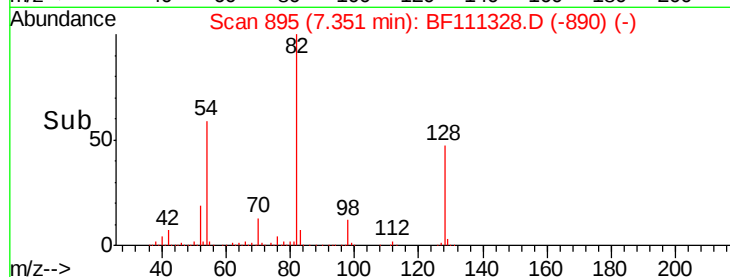
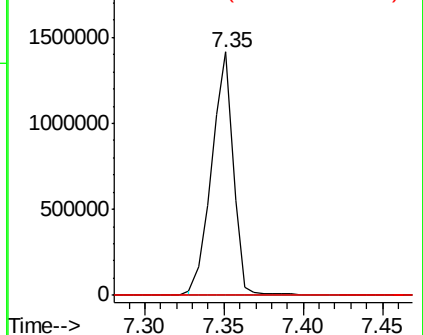
138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#27

2,4-Dimethylphenol

Concen: 0.271 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

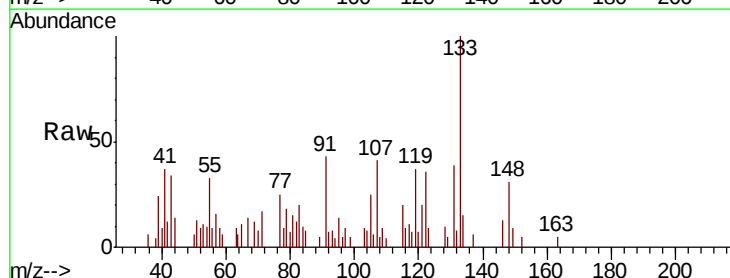
Tgt Ion: 122 Resp: 4048

Ion Ratio Lower Upper

122 100

107 112.0 85.5 128.3

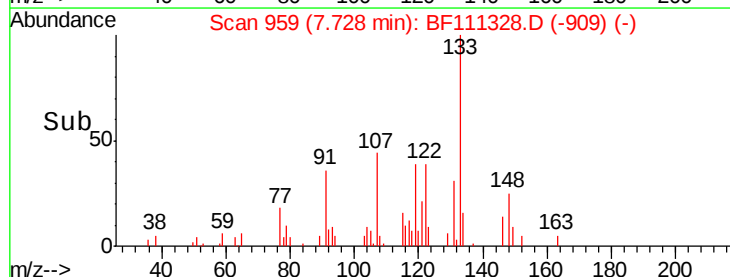
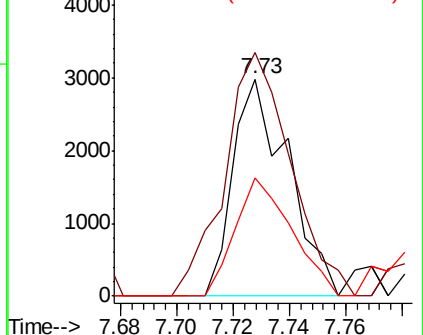
121 54.4 46.6 70.0

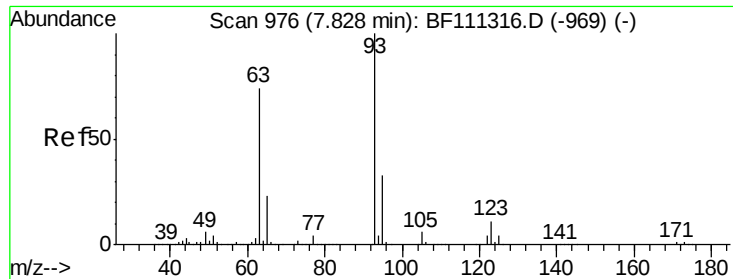


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

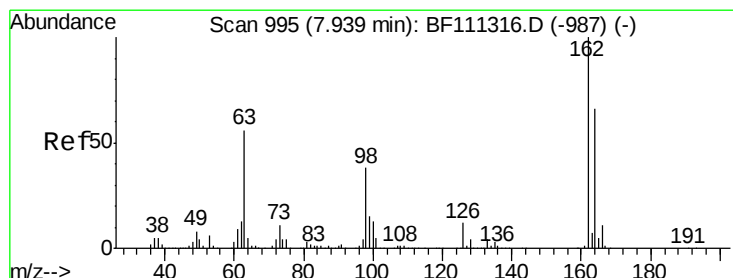
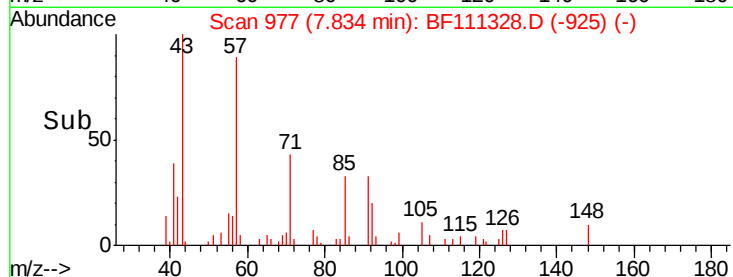
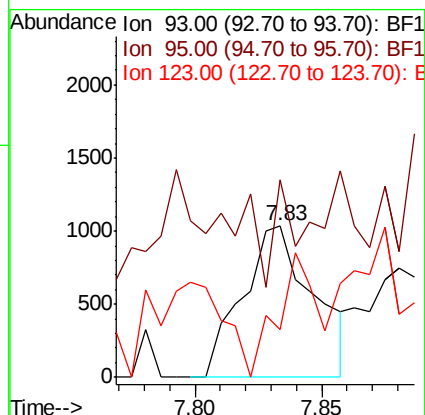
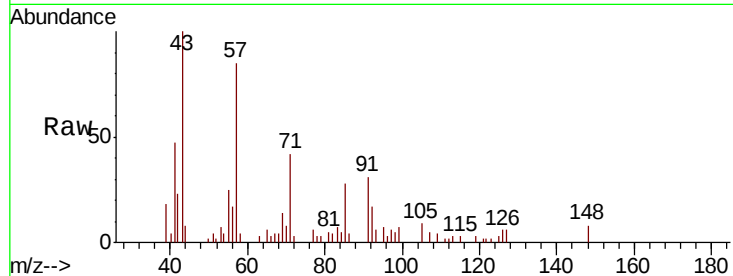




#28
bis(2-Chloroethoxy)methane
Concen: 0.089 ng
RT: 7.83 min Scan# 977
Delta R.T. 0.01 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

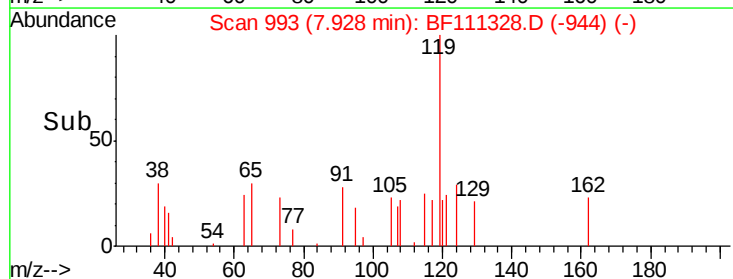
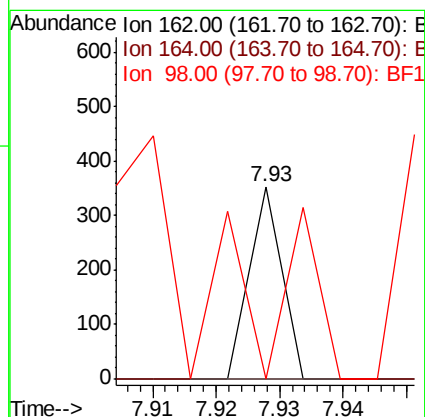
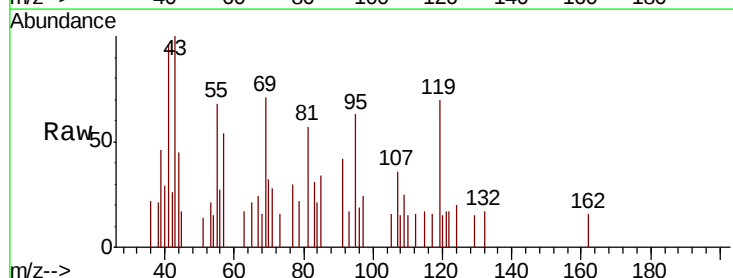
Instrument :
BNA_F
ClientSampleId :
SOIL

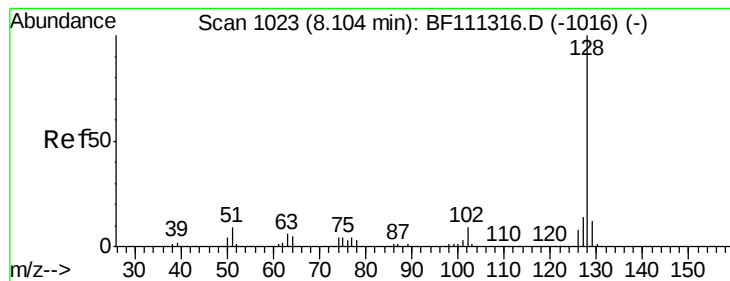
Tgt Ion: 93 Resp: 2016
Ion Ratio Lower Upper
93 100
95 130.2 27.1 40.7#
123 31.3 9.9 14.9#



#29
2,4-Dichlorophenol
Concen: 0.008 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion: 162 Resp: 124
Ion Ratio Lower Upper
162 100
164 0.0 44.4 84.4#
98 0.0 20.3 60.3#





#31

Naphthalene

Concen: 11.436 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

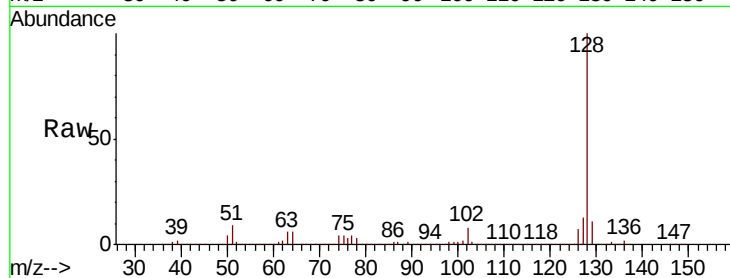
Tgt Ion:128 Resp: 584569

Ion Ratio Lower Upper

128 100

129 11.4 9.8 14.8

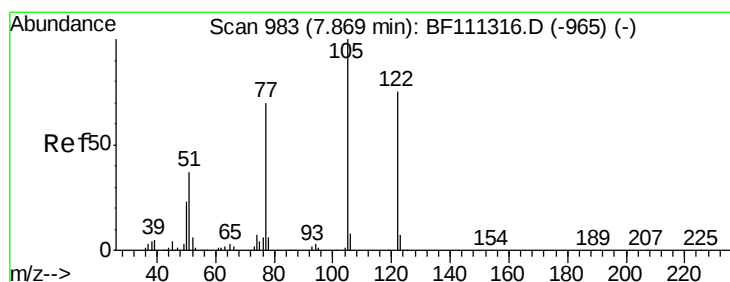
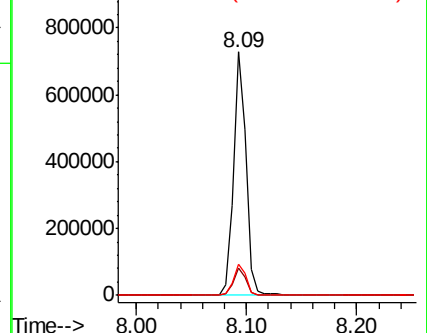
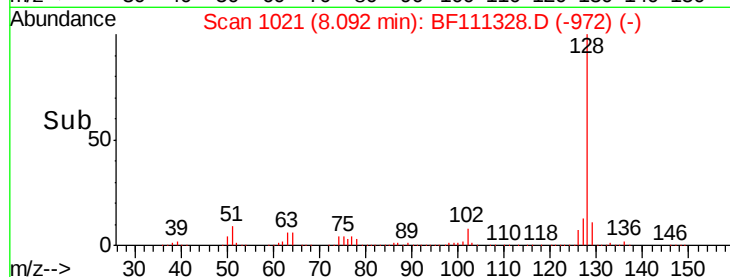
127 12.8 12.0 18.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 0.072 ng

RT: 7.92 min Scan# 992

Delta R.T. 0.05 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

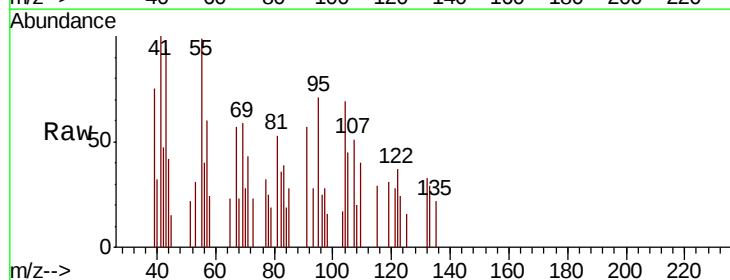
Tgt Ion:122 Resp: 901

Ion Ratio Lower Upper

122 100

105 122.3 97.0 137.0

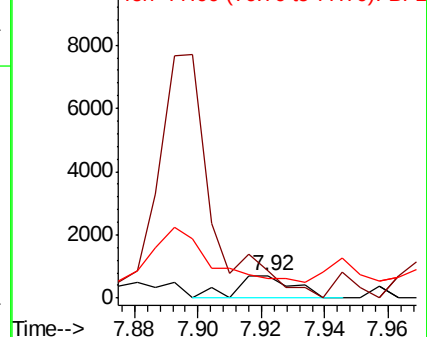
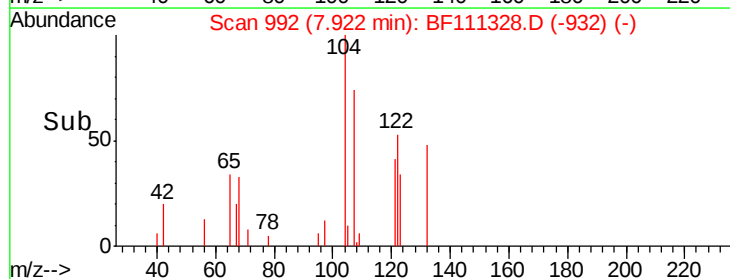
77 87.0 65.7 105.7

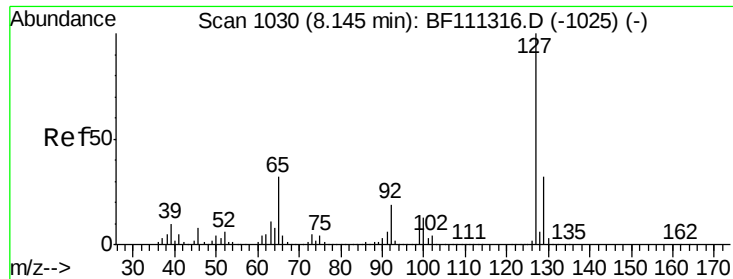


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

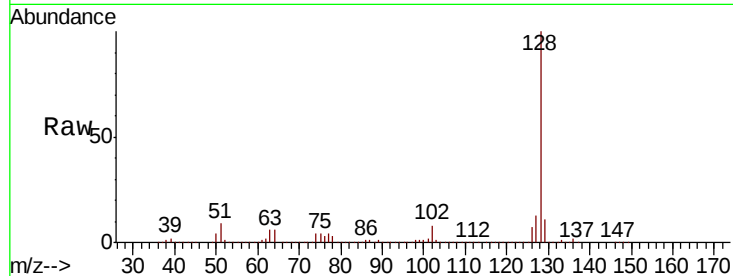




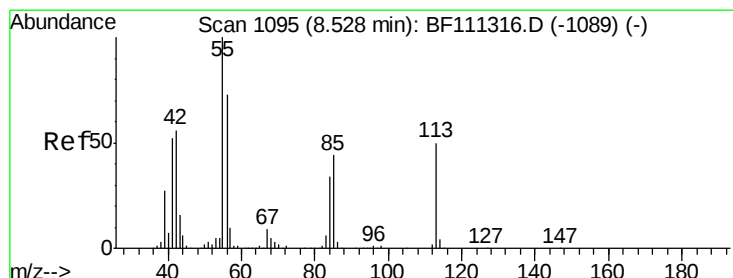
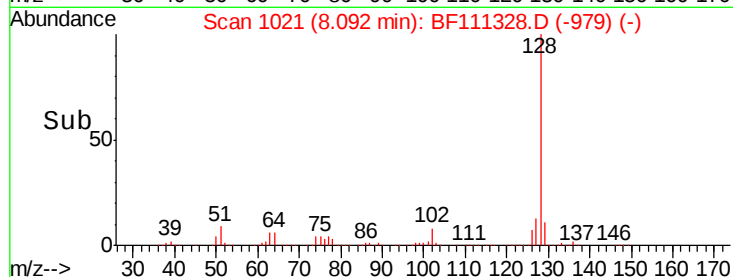
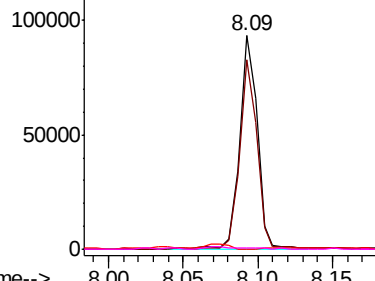
#33
4-Chloroaniline
Concen: 3.503 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.05 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Instrument :
BNA_F
ClientSampleId :
SOIL

Tgt Ion:127 Resp: 76470
Ion Ratio Lower Upper
127 100
129 88.9 26.6 39.8#
65 0.0 25.7 38.5#
92 0.5 15.4 23.2#

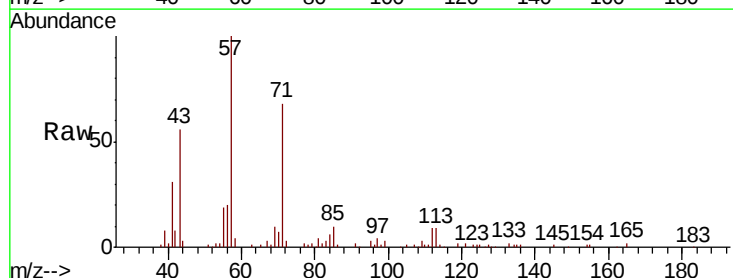


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

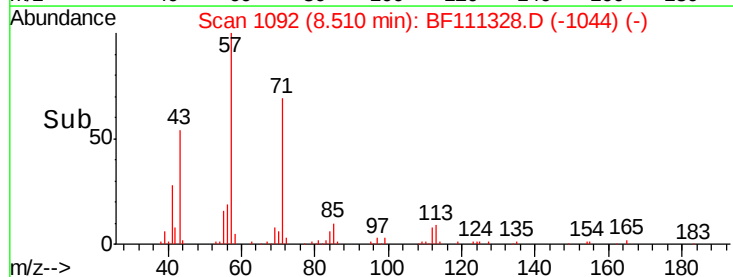
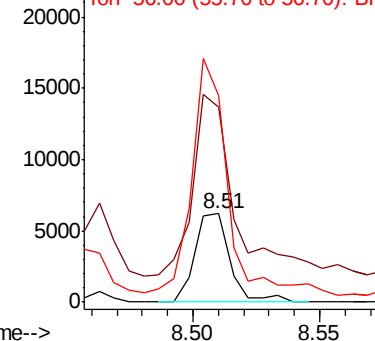


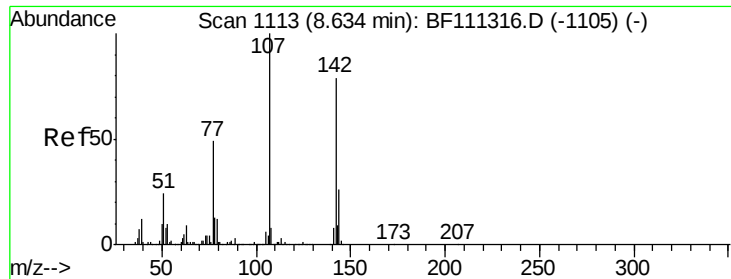
#35
Caprolactam
Concen: 1.093 ng
RT: 8.51 min Scan# 1092
Delta R.T. -0.02 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion:113 Resp: 5978
Ion Ratio Lower Upper
113 100
55 220.3 184.1 224.1
56 233.1 126.0 166.0#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

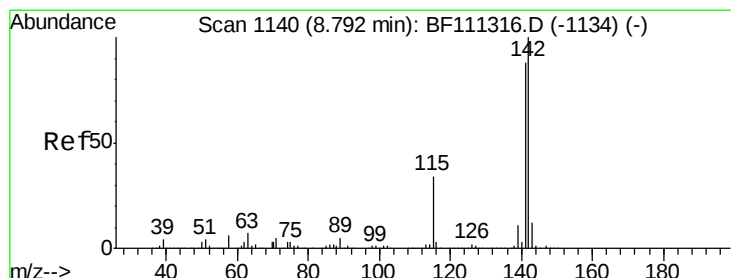
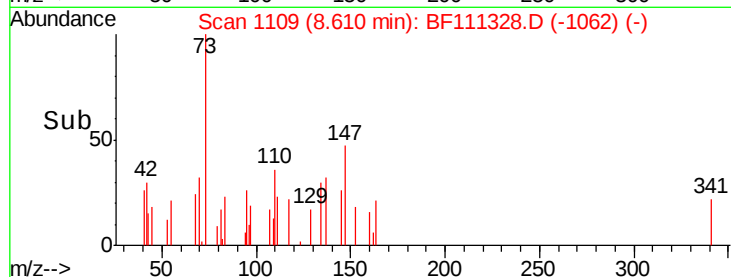
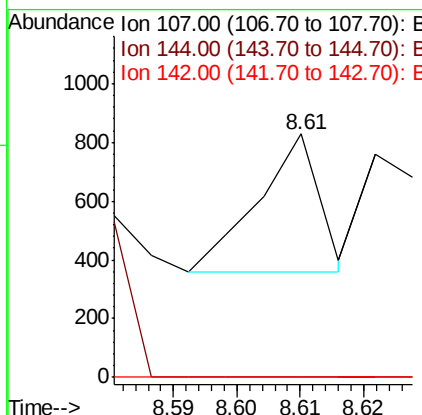
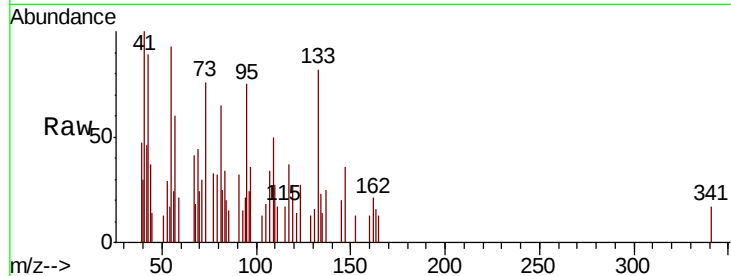




#36
 4-Chloro-3-methylphenol
 Concen: 0.019 ng
 RT: 8.61 min Scan# 1109
 Delta R.T. -0.02 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

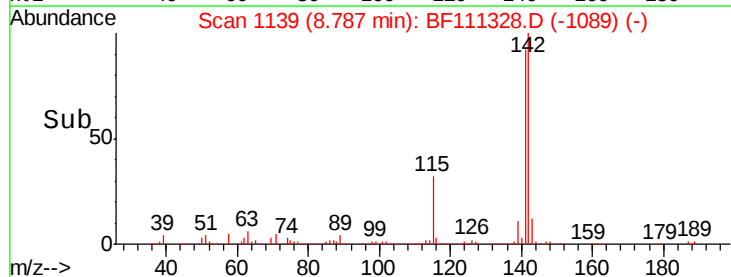
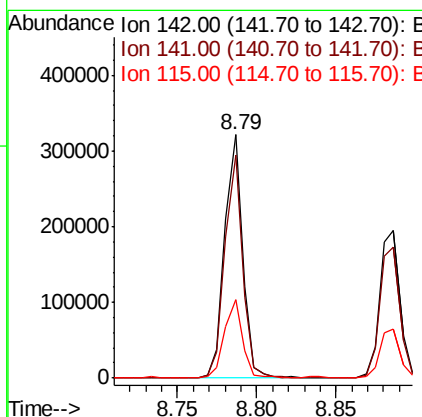
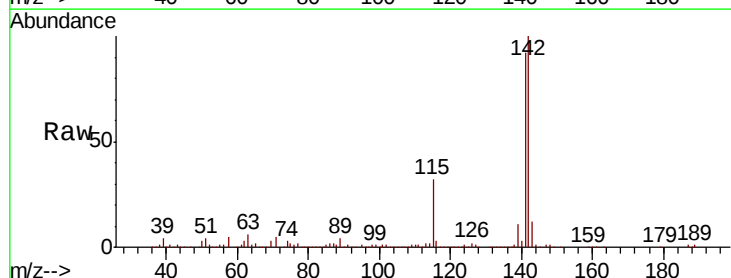
Instrument :
 BNA_F
 ClientSampled :
 SOIL

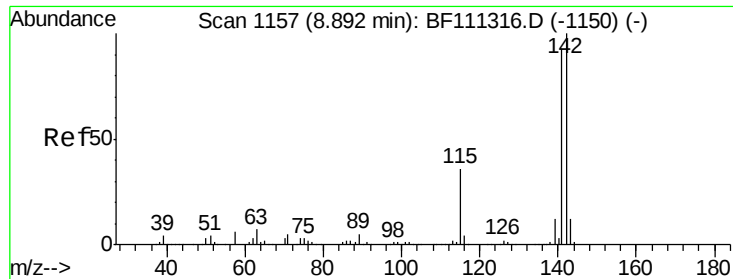
Tgt Ion:107 Resp: 318
 Ion Ratio Lower Upper
 107 100
 144 0.0 19.8 29.6#
 142 0.0 62.3 93.5#



#37
 2-Methylnaphthalene
 Concen: 7.754 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. -0.01 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

Tgt Ion:142 Resp: 256213
 Ion Ratio Lower Upper
 142 100
 141 91.6 70.6 105.8
 115 32.0 27.0 40.6

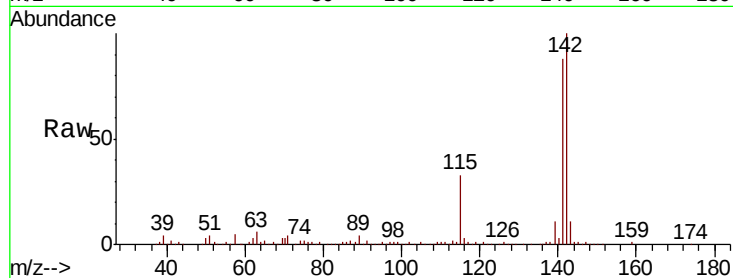




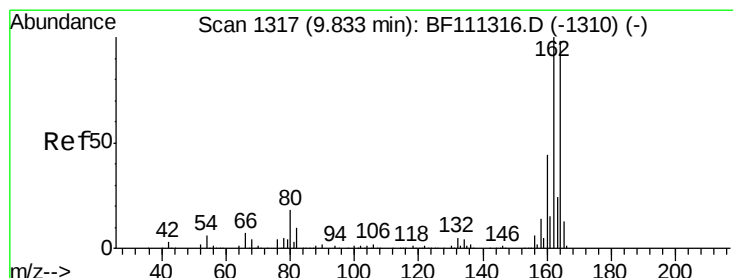
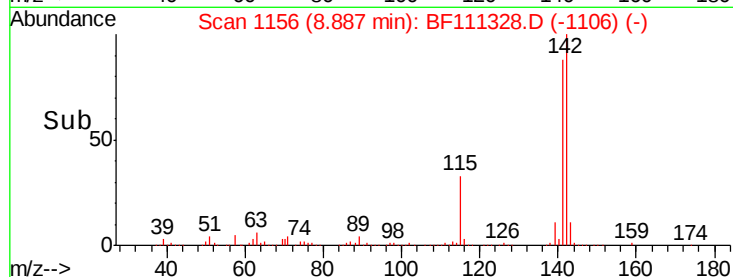
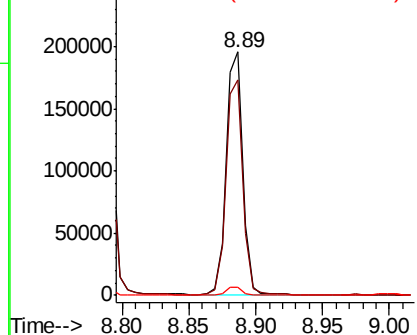
#38
 1-Methylnaphthalene
 Concen: 5.421 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

Instrument :
 BNA_F
 ClientSampled :
 SOIL

Tgt Ion:142 Resp: 172874
 Ion Ratio Lower Upper
 142 100
 141 88.3 74.2 111.4
 116 3.5 2.9 4.3

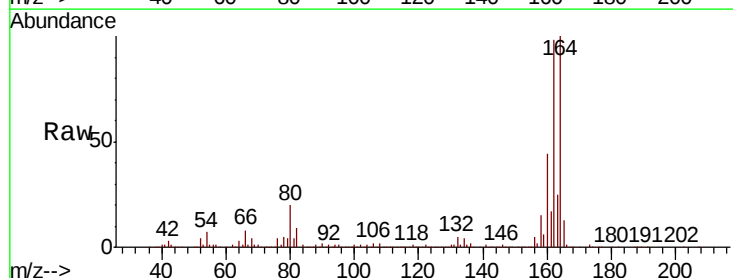


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

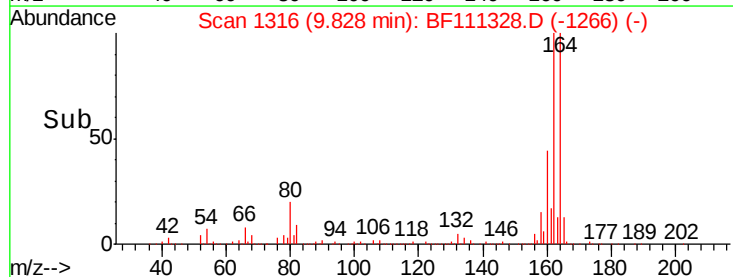
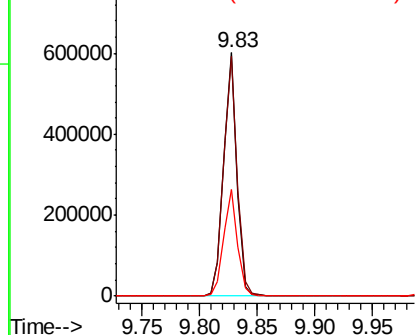


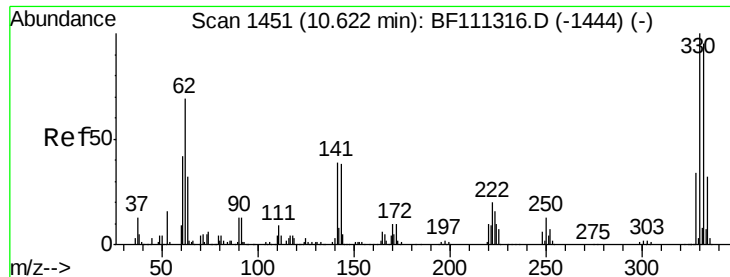
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

Tgt Ion:164 Resp: 484094
 Ion Ratio Lower Upper
 164 100
 162 98.5 81.4 122.0
 160 43.8 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

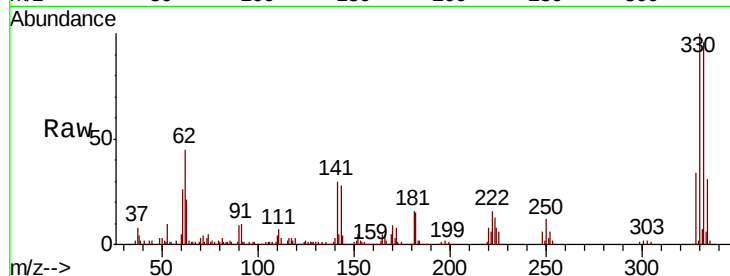




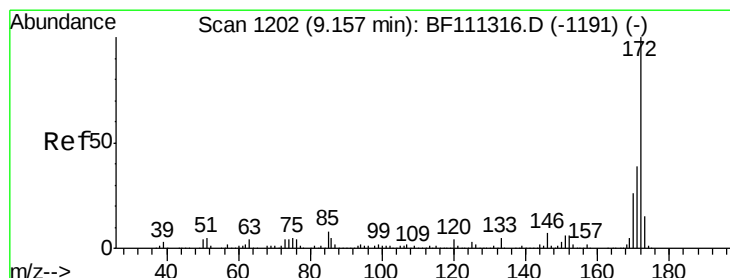
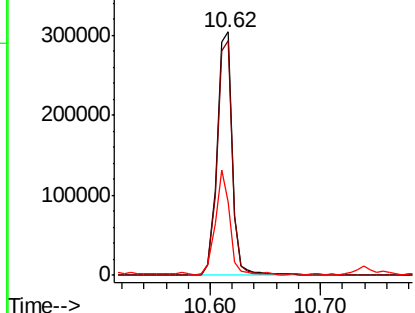
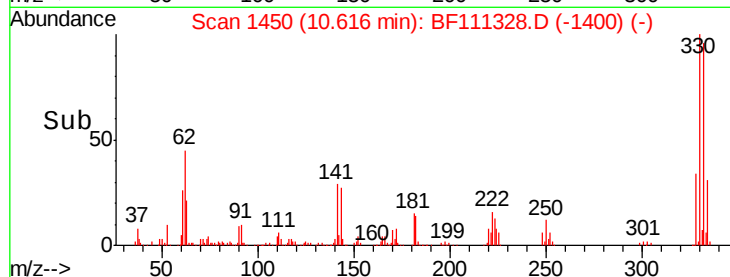
#42
 2,4,6-Tribromophenol
 Concen: 68.755 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

Instrument :
 BNA_F
 ClientSampleId :
 SOIL

Tgt Ion:330 Resp: 293402
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.0 114.0
 141 38.4 31.0 46.6

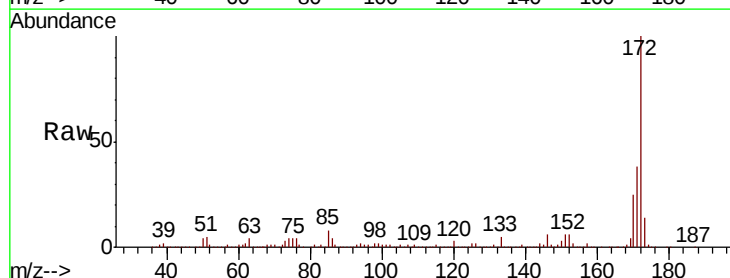


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

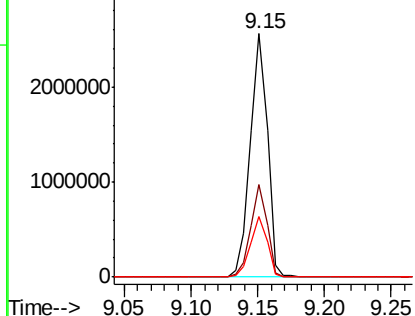
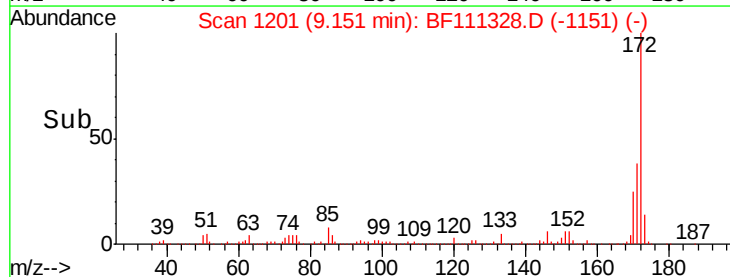


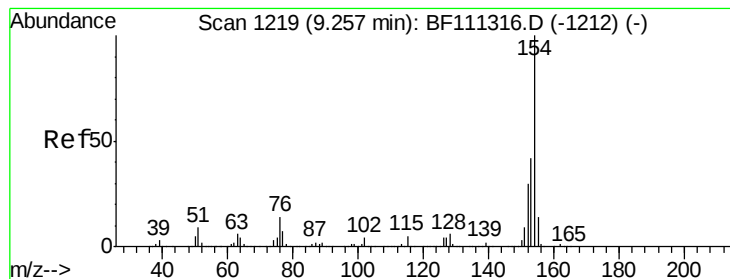
#45
 2-Fluorobiphenyl
 Concen: 74.790 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

Tgt Ion:172 Resp: 2255108
 Ion Ratio Lower Upper
 172 100
 171 37.8 33.0 49.4
 170 25.1 22.3 33.5



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





#46

1,1'-Biphenyl

Concen: 1.157 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

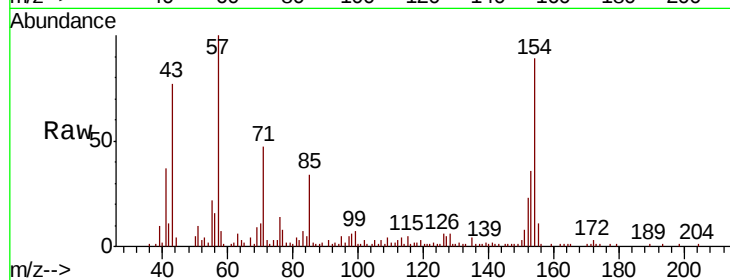
Tgt Ion:154 Resp: 47770

Ion Ratio Lower Upper

154 100

153 40.7 23.7 63.7

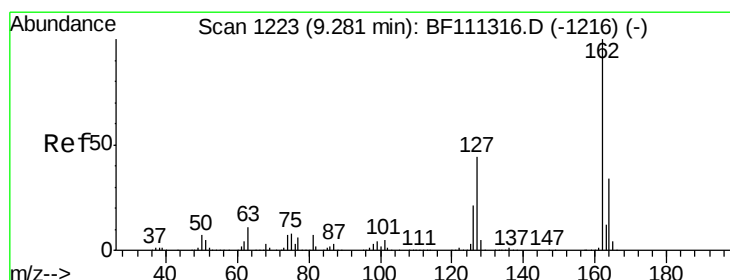
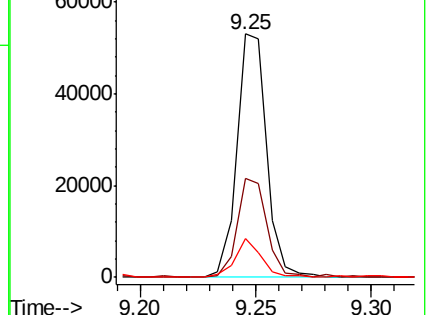
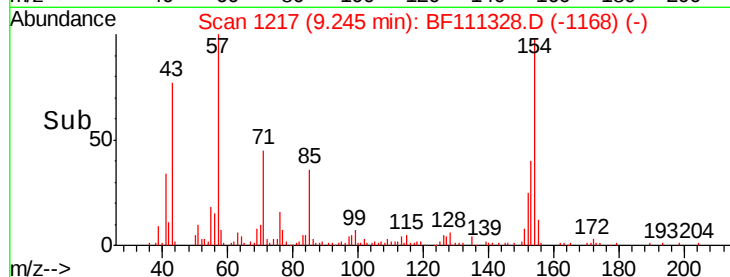
76 16.0 0.0 35.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#47

2-Chloronaphthalene

Concen: 0.005 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

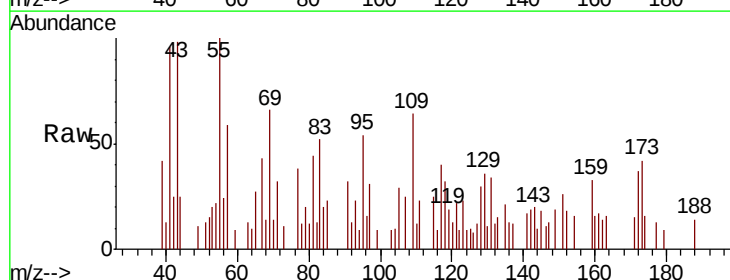
Tgt Ion:162 Resp: 170

Ion Ratio Lower Upper

162 100

127 90.9 35.0 52.4#

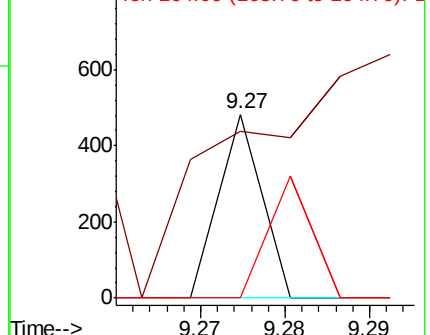
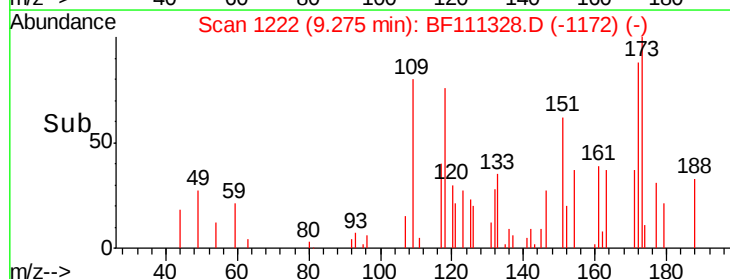
164 0.0 28.4 42.6#

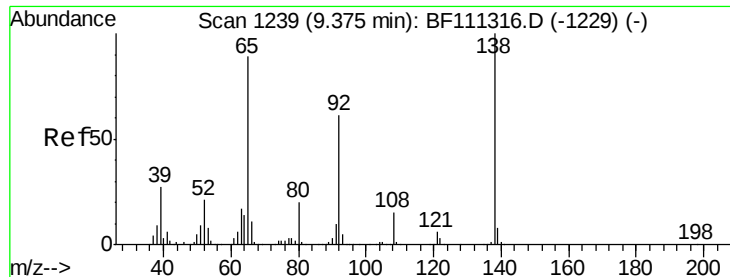


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

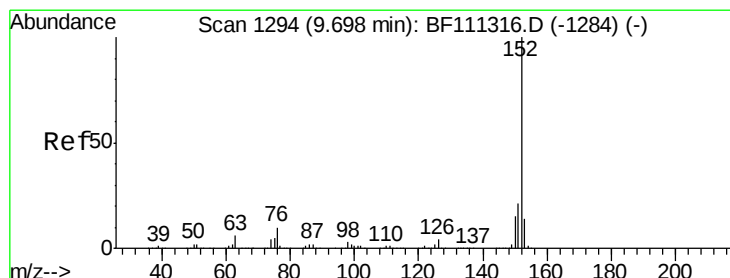
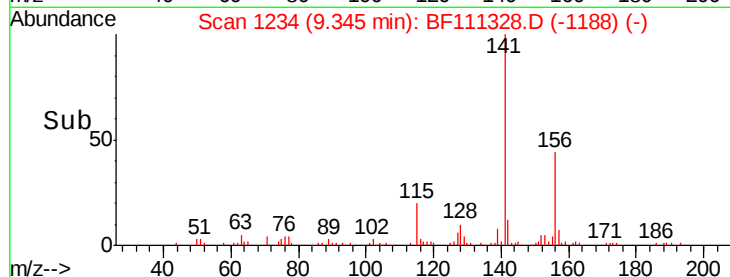
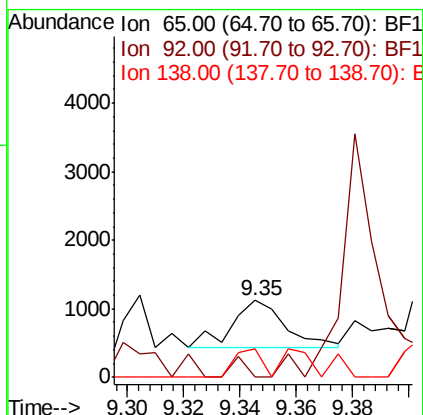
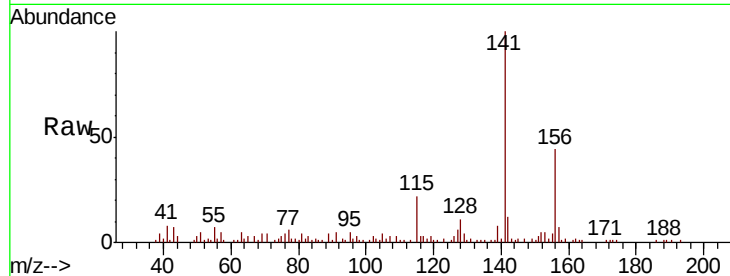




#48
2-Nitroaniline
Concen: 0.088 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.03 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

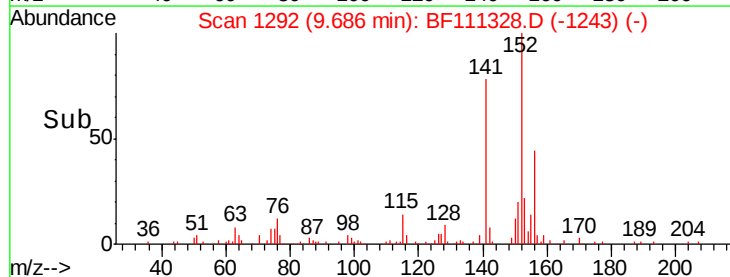
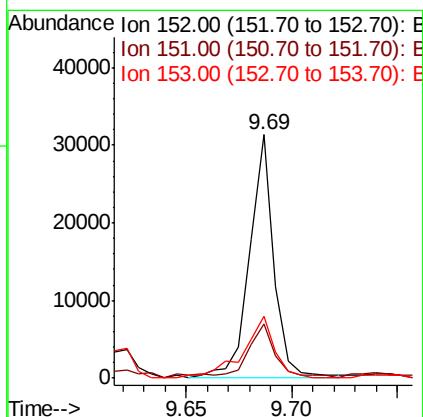
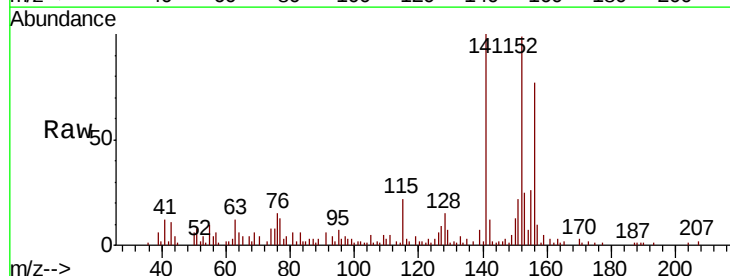
Instrument :
BNA_F
ClientSampleId :
SOIL

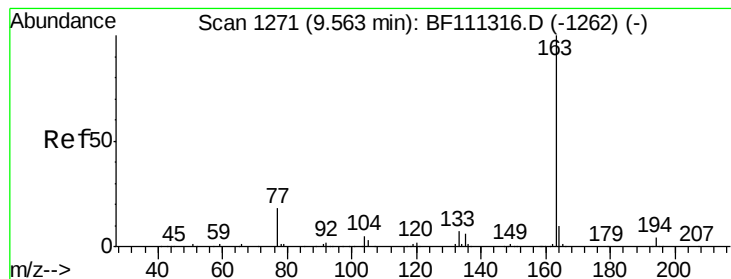
Tgt Ion: 65 Resp: 904
Ion Ratio Lower Upper
65 100
92 0.0 53.5 80.3#
138 36.7 80.9 121.3#



#49
Acenaphthylene
Concen: 0.549 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion: 152 Resp: 25387
Ion Ratio Lower Upper
152 100
151 22.3 18.0 27.0
153 25.4 12.3 18.5#





#50

Dimethylphthalate

Concen: 4.957 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.02 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

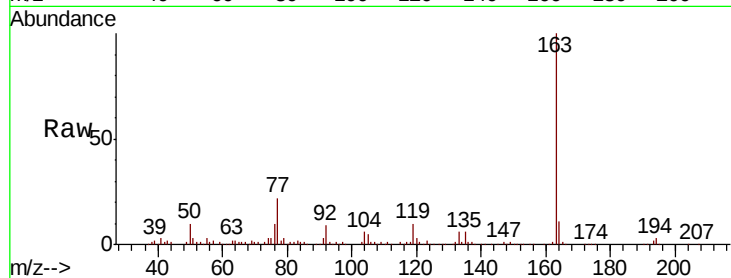
Tgt Ion:163 Resp: 172562

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.6

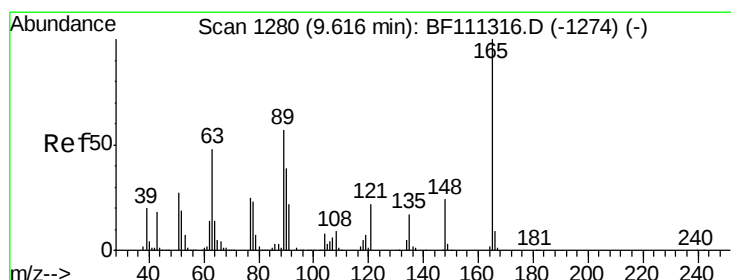
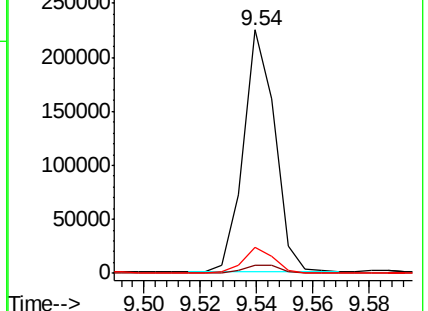
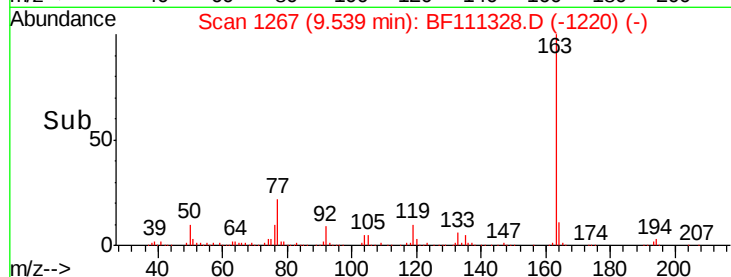
164 10.6 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 0.342 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.02 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

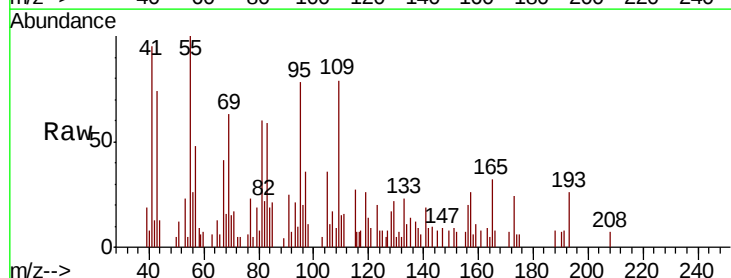
Tgt Ion:165 Resp: 2637

Ion Ratio Lower Upper

165 100

63 17.1 40.5 60.7#

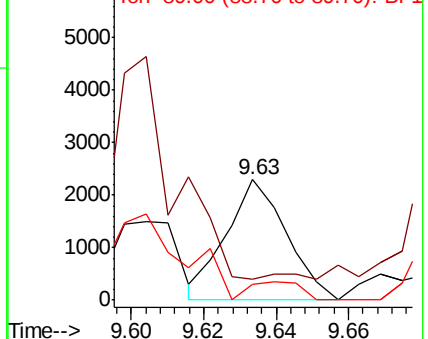
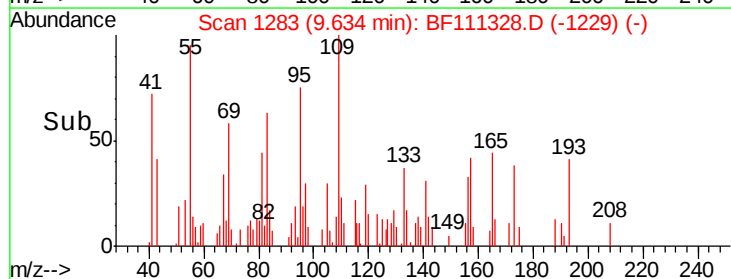
89 13.1 40.0 60.0#

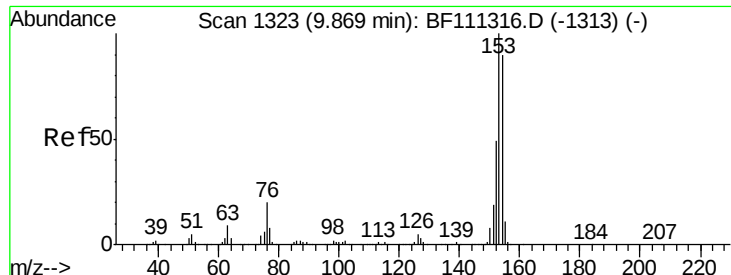


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 3.927 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

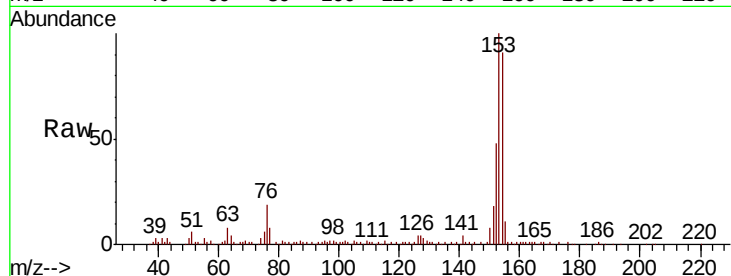
Tgt Ion:154 Resp: 114481

Ion Ratio Lower Upper

154 100

153 110.5 87.8 131.8

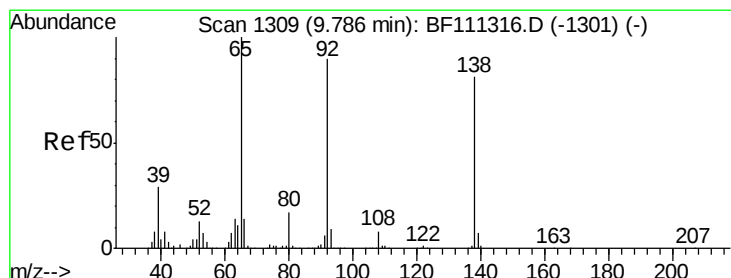
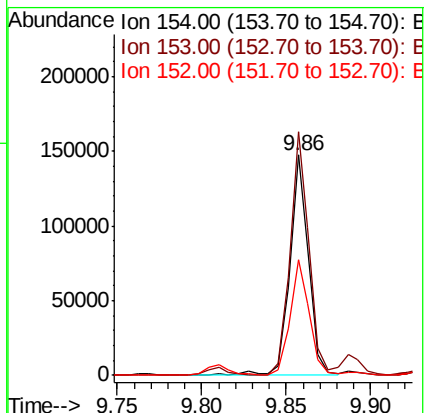
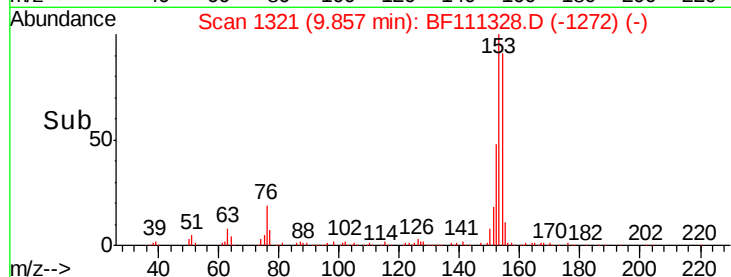
152 52.5 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 0.020 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

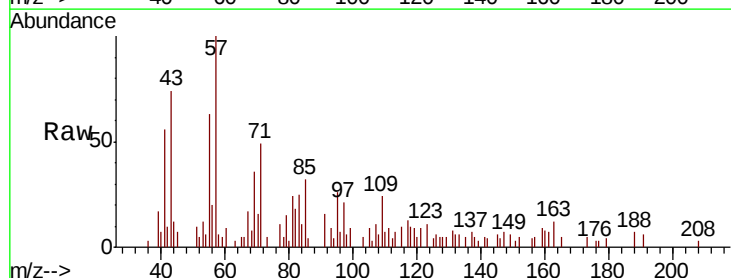
Tgt Ion:138 Resp: 188

Ion Ratio Lower Upper

138 100

108 115.2 8.2 12.4#

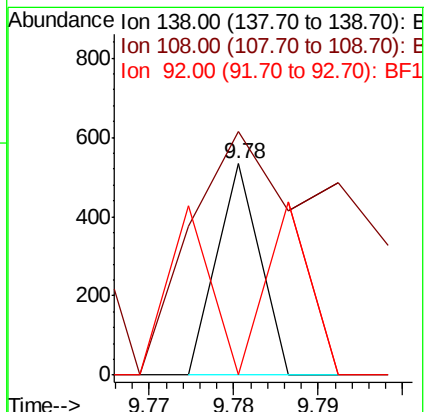
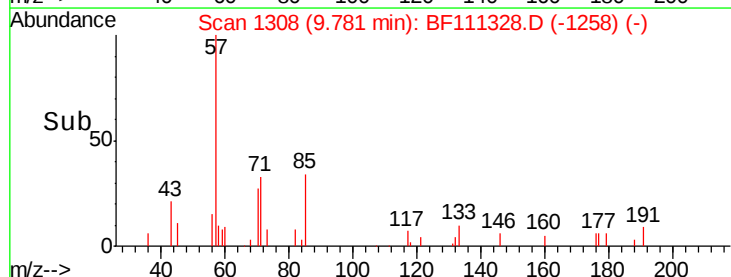
92 0.0 93.4 140.2#

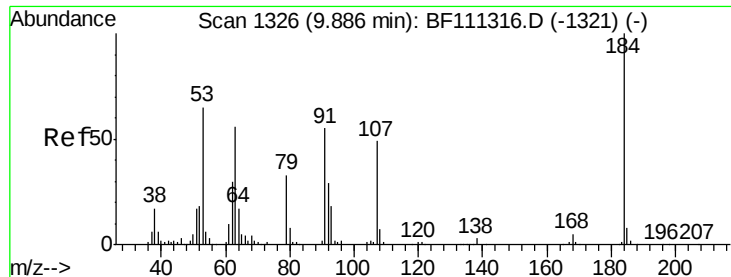


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

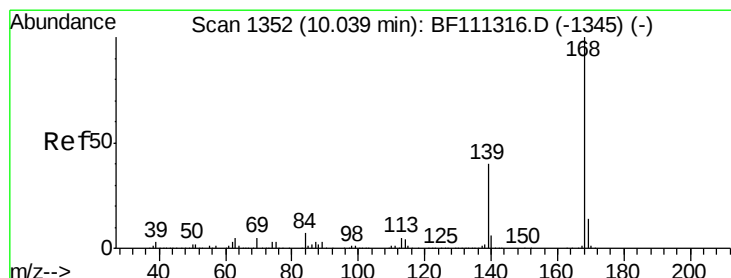
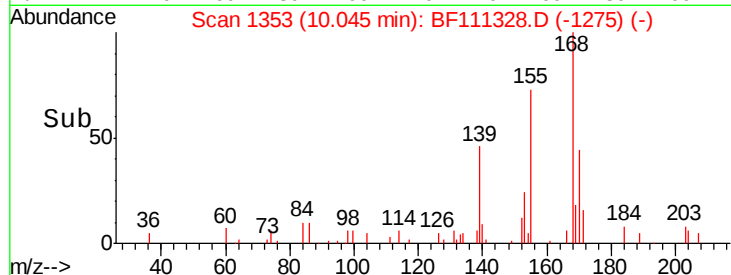
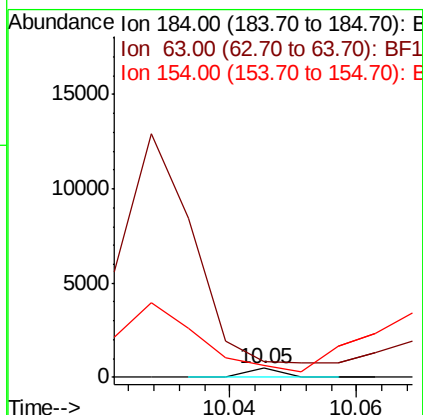
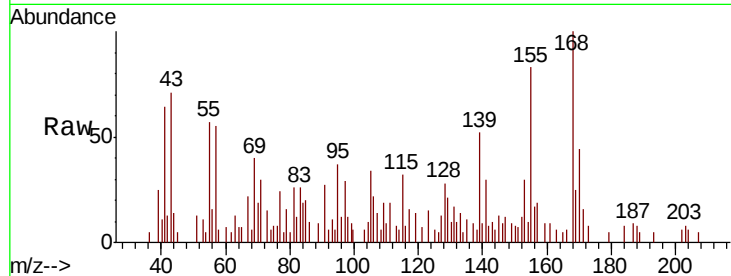




#54
2,4-Dinitrophenol
Concen: 0.055 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.16 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

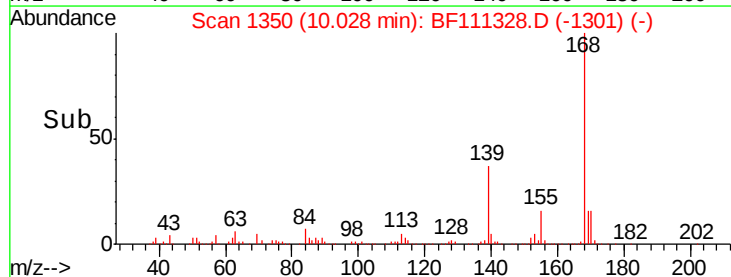
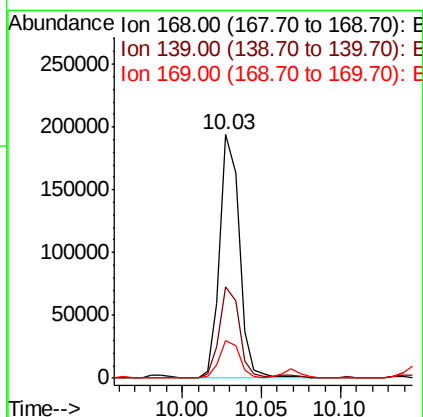
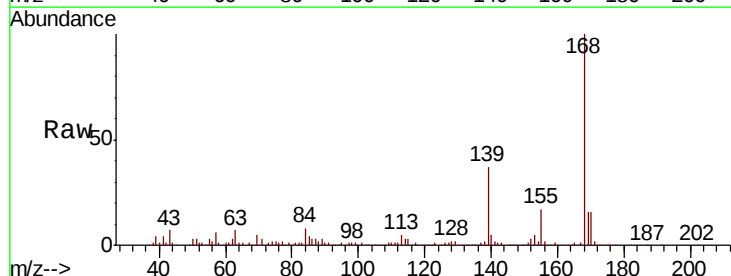
Instrument :
BNA_F
ClientSampleId :
SOIL

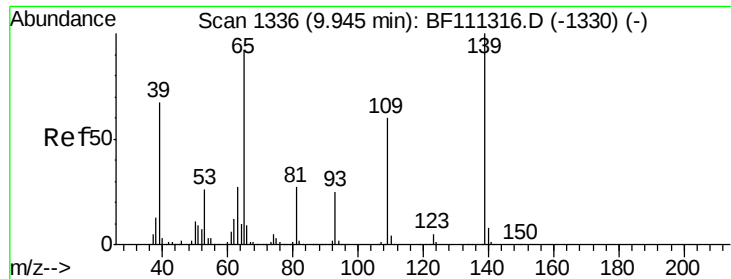
Tgt Ion:184 Resp: 168
Ion Ratio Lower Upper
184 100
63 171.1 62.3 93.5#
154 129.1 56.2 84.2#



#55
Dibenzofuran
Concen: 3.991 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion:168 Resp: 167943
Ion Ratio Lower Upper
168 100
139 37.4 32.6 49.0
169 15.6 11.8 17.6

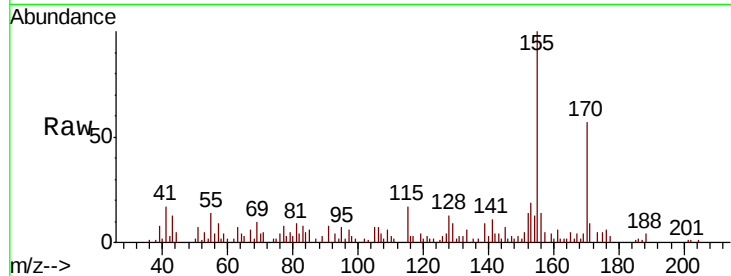




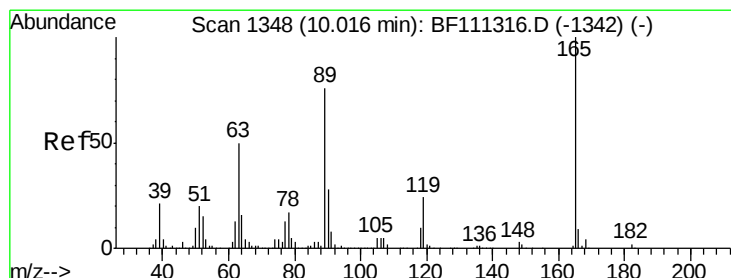
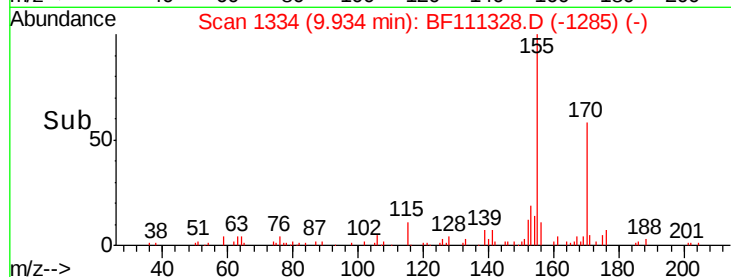
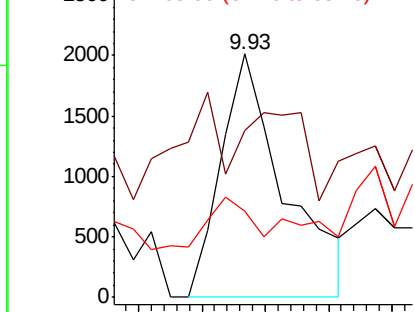
#56
4-Nitrophenol
Concen: 0.418 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Instrument :
BNA_F
ClientSampled :
SOIL

Tgt Ion:139 Resp: 2792
Ion Ratio Lower Upper
139 100
109 68.8 41.8 81.8
65 35.3 79.6 119.6#

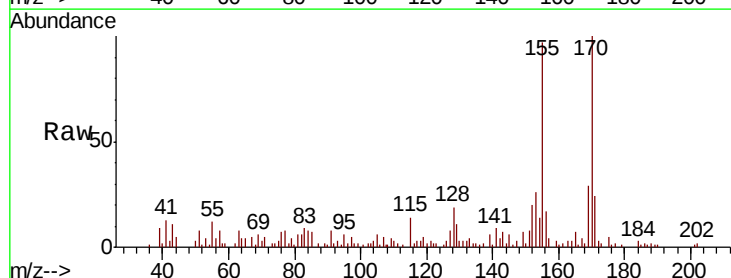


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

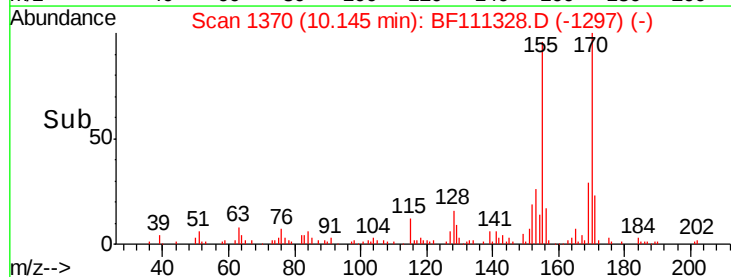
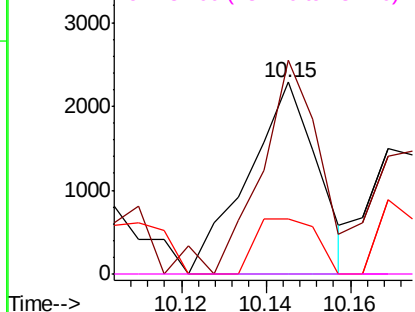


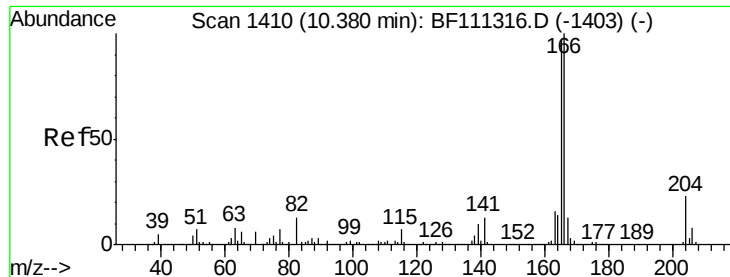
#57
2,4-Dinitrotoluene
Concen: 0.266 ng
RT: 10.15 min Scan# 1370
Delta R.T. 0.13 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion:165 Resp: 2634
Ion Ratio Lower Upper
165 100
63 111.5 34.6 52.0#
89 28.9 56.2 84.4#
182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

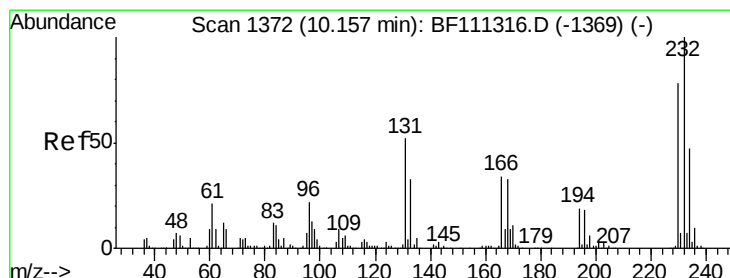
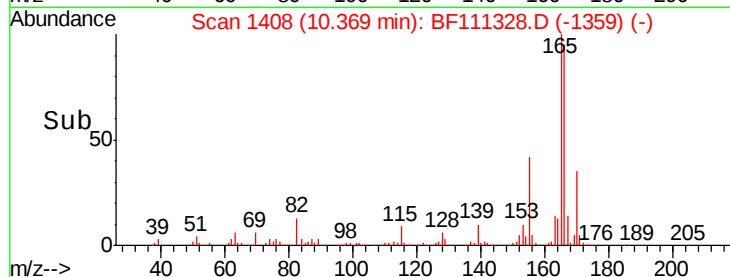
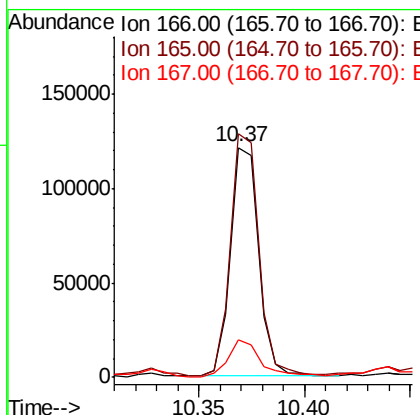
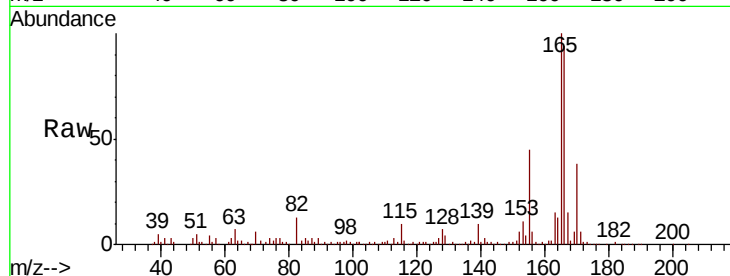




#58
 Fluorene
 Concen: 3.708 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. -0.01 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

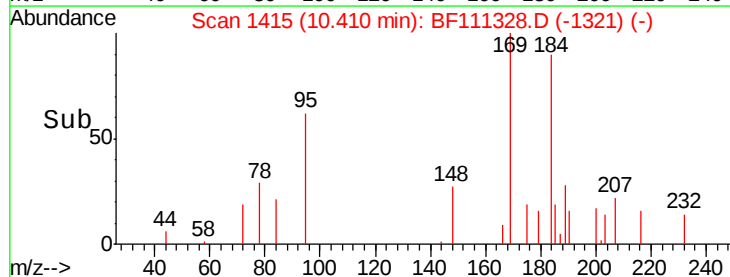
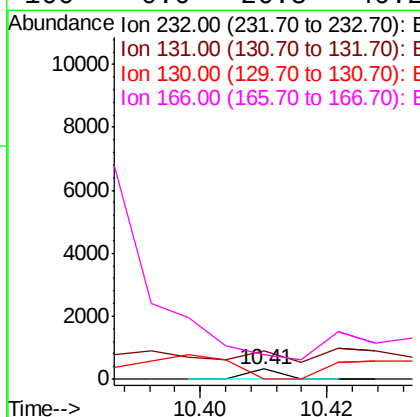
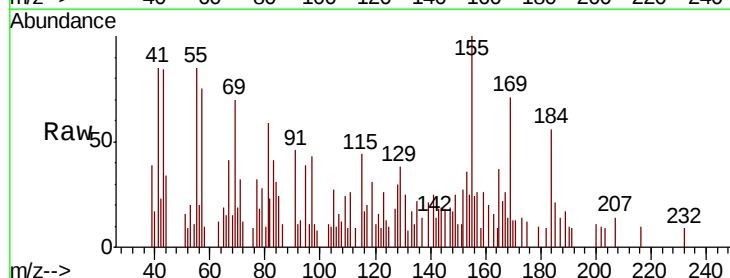
Instrument :
 BNA_F
 ClientSampleId :
 SOIL

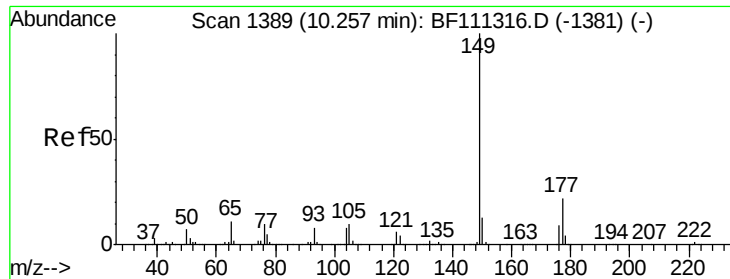
Tgt Ion:166 Resp: 111609
 Ion Ratio Lower Upper
 166 100
 165 105.9 78.4 117.6
 167 16.0 11.2 16.8



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 0.014 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. 0.25 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

Tgt Ion:232 Resp: 109
 Ion Ratio Lower Upper
 232 100
 131 0.0 40.9 61.3#
 130 636.7 2.0 3.0#
 166 0.0 26.8 40.2#

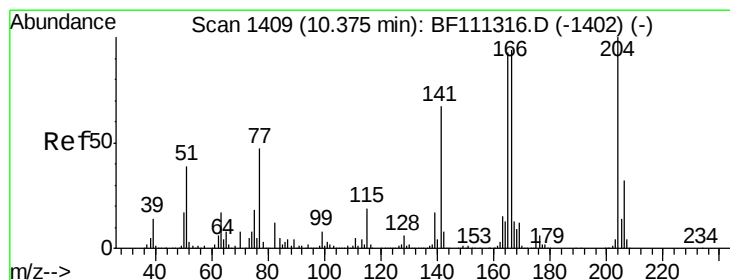
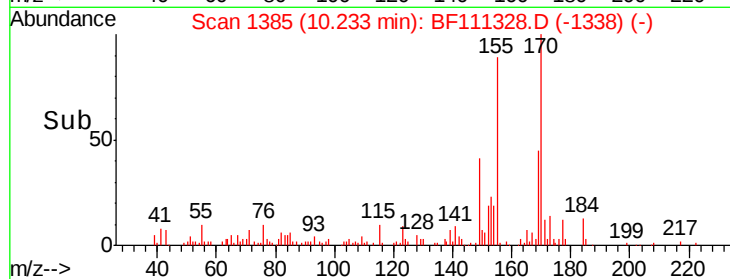
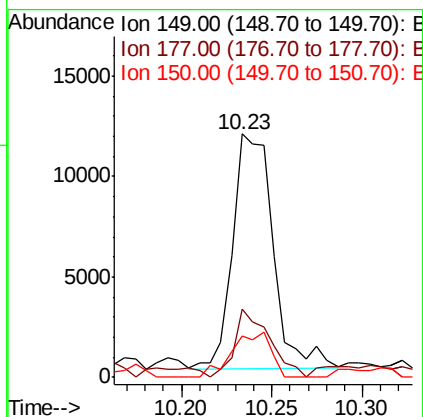
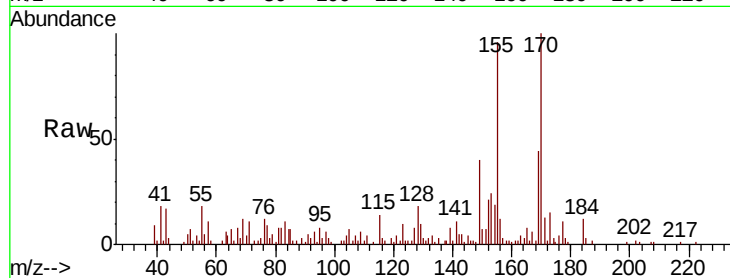




#60
Diethylphthalate
Concen: 0.520 ng
RT: 10.23 min Scan# 1385
Delta R.T. -0.02 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

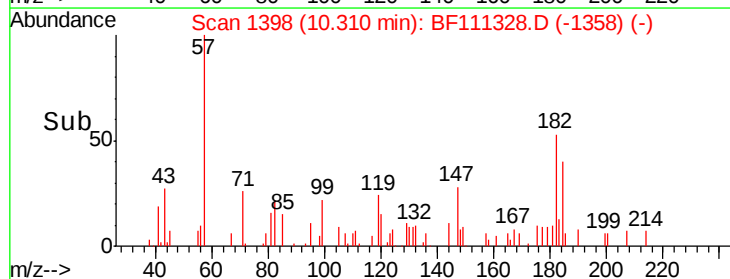
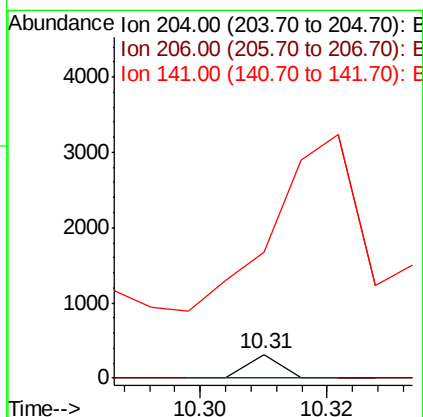
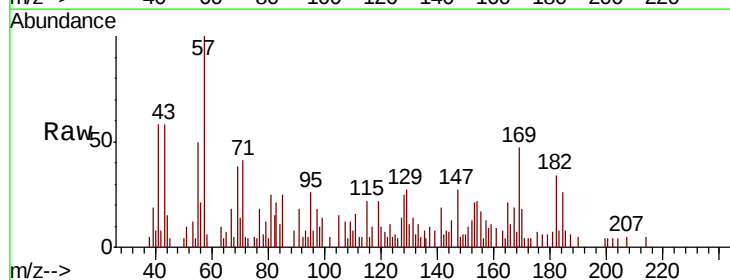
Instrument :
BNA_F
ClientSampleId :
SOIL

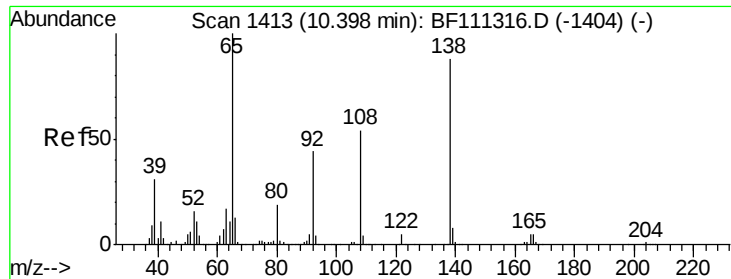
Tgt Ion:149 Resp: 18221
Ion Ratio Lower Upper
149 100
177 28.1 18.3 27.5#
150 16.8 10.6 15.8#



#61
4-Chlorophenyl-phenylether
Concen: 0.007 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.06 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion:204 Resp: 111
Ion Ratio Lower Upper
204 100
206 0.0 26.6 39.8#
141 528.8 52.6 78.8#

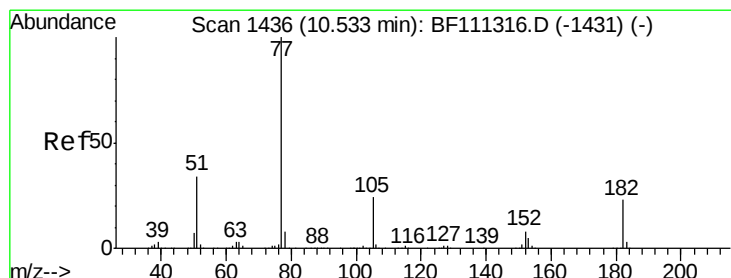
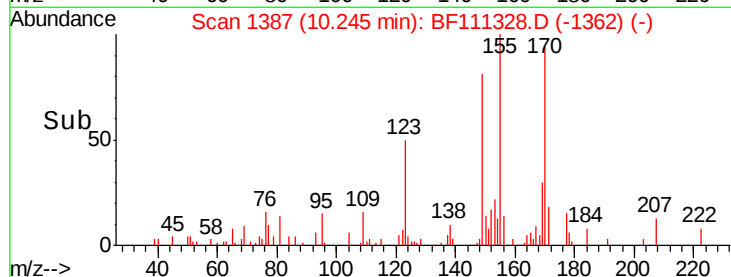
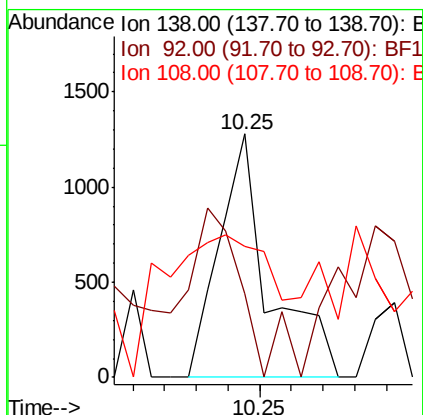
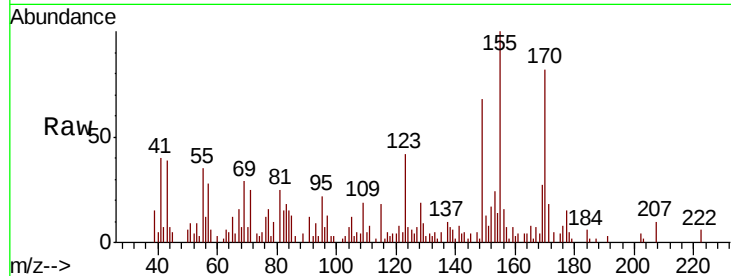




#62
4-Nitroaniline
Concen: 0.156 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.15 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

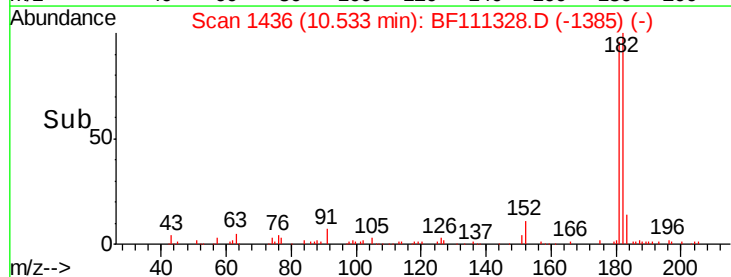
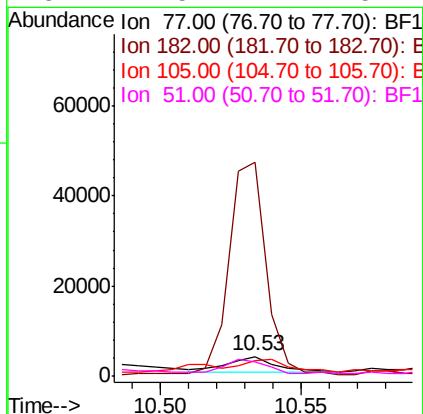
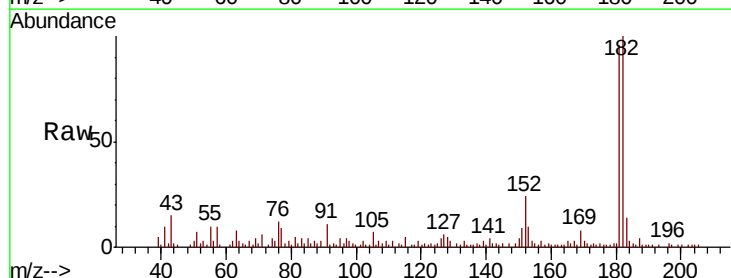
Instrument :
BNA_F
ClientSampled :
SOIL

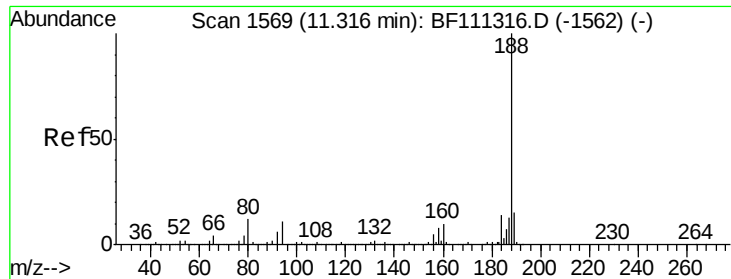
Tgt Ion:138 Resp: 1394
Ion Ratio Lower Upper
138 100
92 34.2 29.9 69.9
108 53.9 43.2 83.2



#63
Azobenzene
Concen: 0.117 ng
RT: 10.53 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion: 77 Resp: 4122
Ion Ratio Lower Upper
77 100
182 1099.9 4.9 44.9#
105 81.4 6.0 46.0#
51 74.5 14.7 54.7#

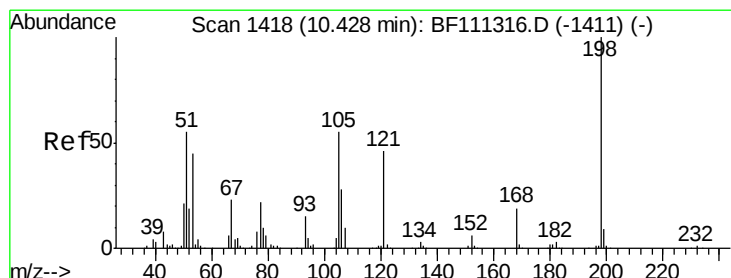
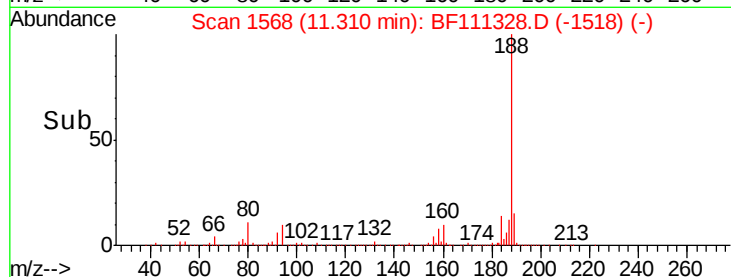
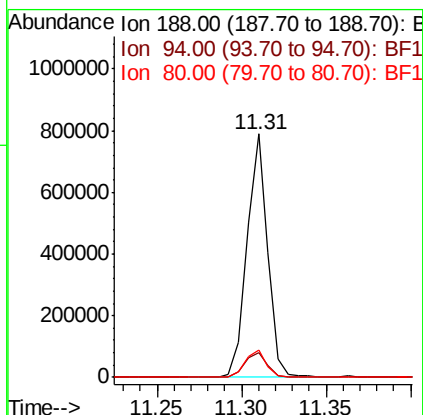
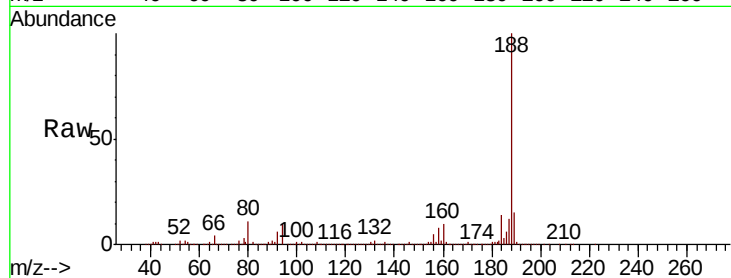




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

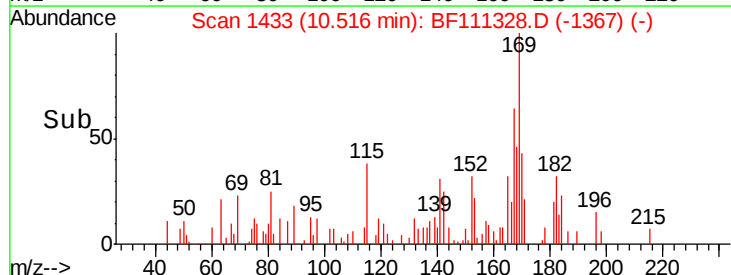
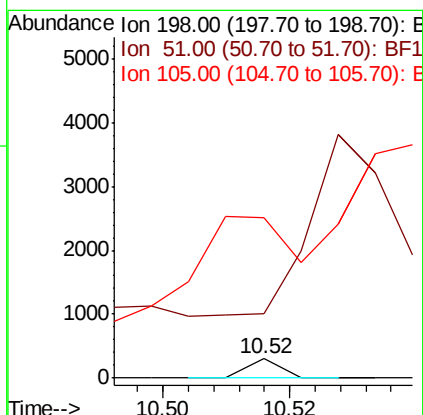
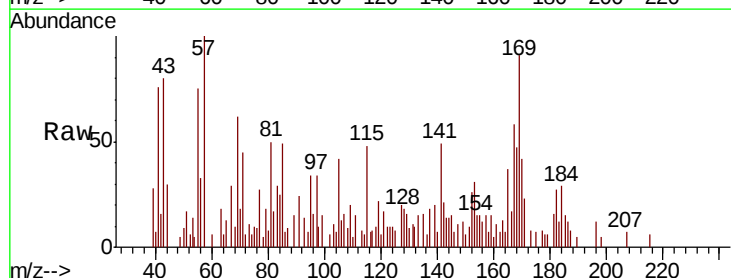
Instrument :
BNA_F
ClientSampled :
SOIL

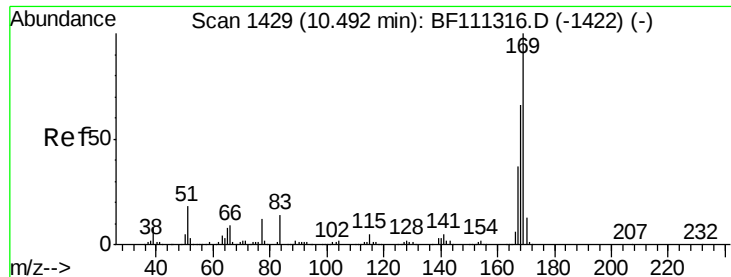
Tgt Ion:188 Resp: 674856
Ion Ratio Lower Upper
188 100
94 10.4 9.6 14.4
80 11.1 9.8 14.6



#65
4,6-Dinitro-2-methylphenol
Concen: 0.028 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.09 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion:198 Resp: 108
Ion Ratio Lower Upper
198 100
51 327.1 48.0 88.0#
105 820.6 34.0 74.0#





#66

n-Nitrosodiphenylamine

Concen: 0.415 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

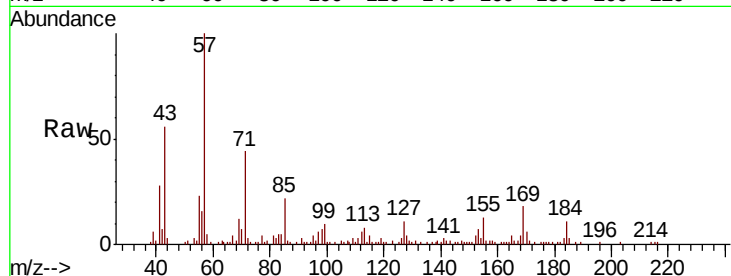
Tgt Ion:169 Resp: 9956

Ion Ratio Lower Upper

169 100

168 20.0 54.4 81.6#

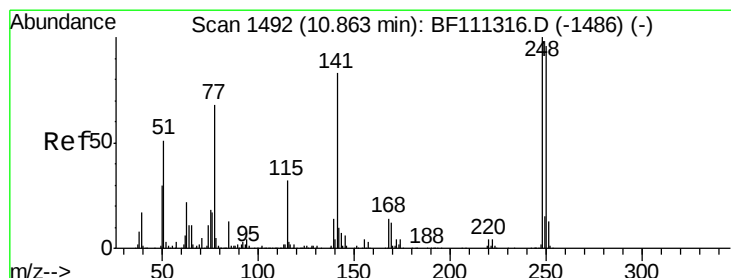
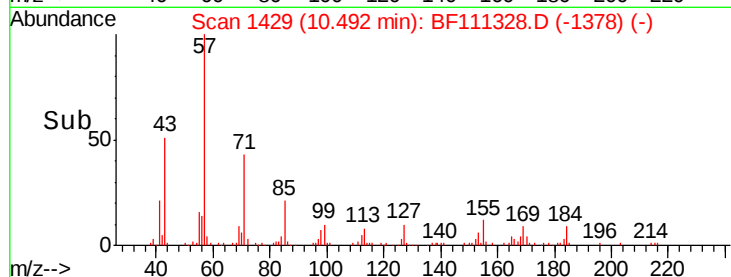
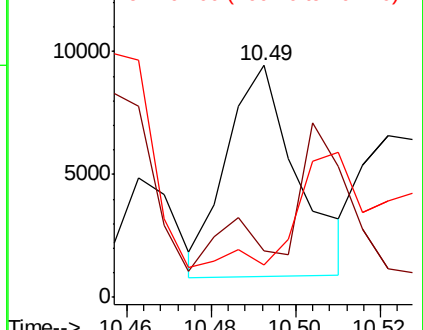
167 14.0 30.5 45.7#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.455 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.25 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

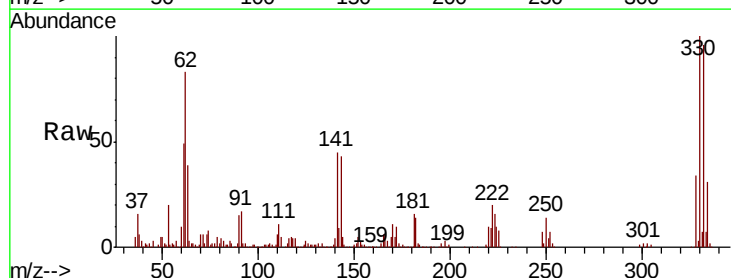
Tgt Ion:248 Resp: 18443

Ion Ratio Lower Upper

248 100

250 196.3 77.0 115.4#

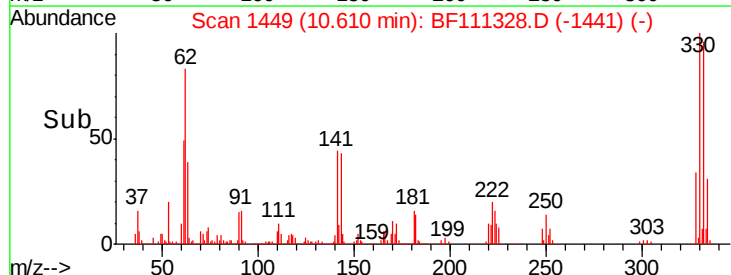
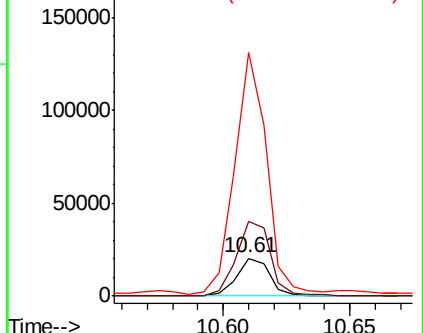
141 644.6 63.0 94.6#

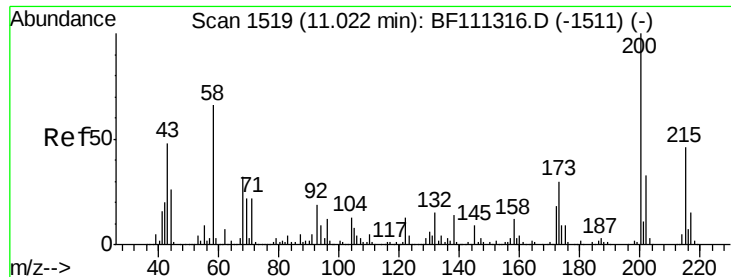


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

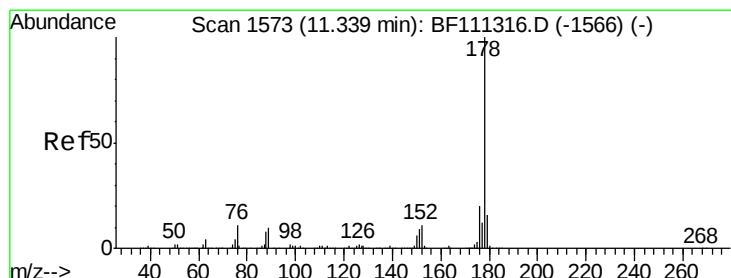
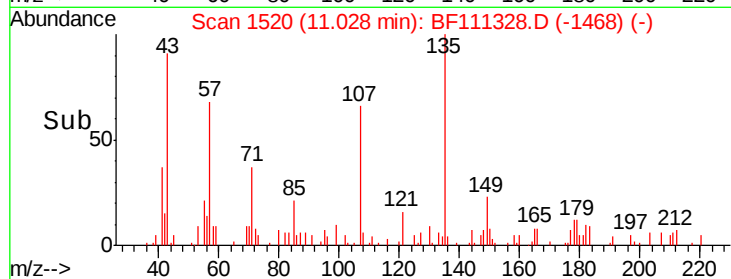
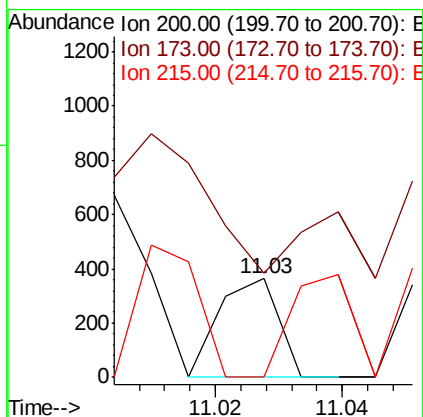
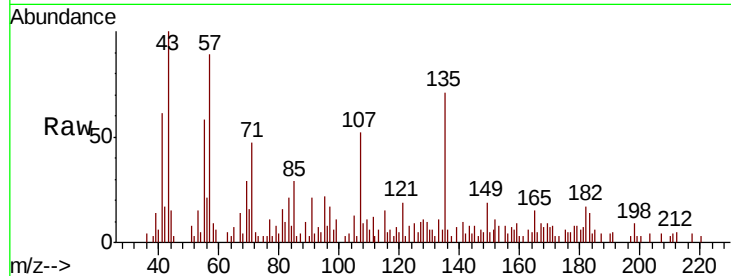




#69
Atrazine
Concen: 0.034 ng
RT: 11.03 min Scan# 1520
Delta R.T. 0.01 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

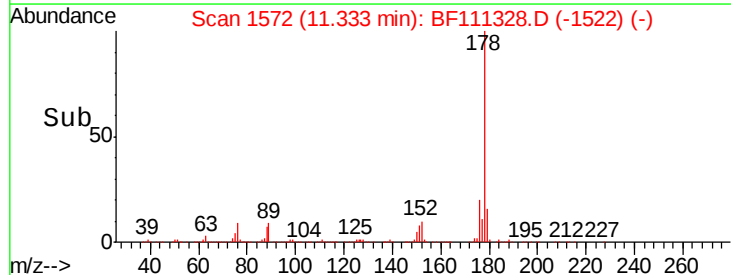
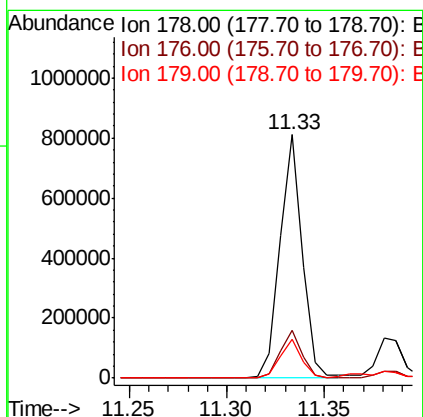
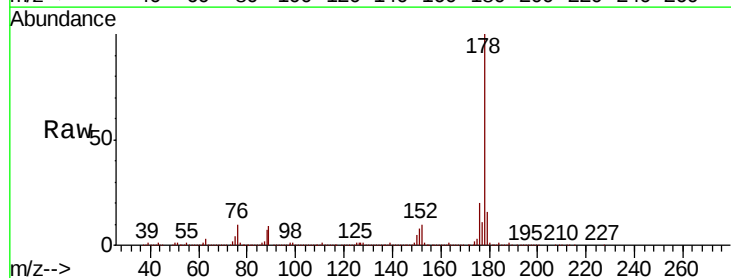
Instrument :
BNA_F
ClientSampled :
SOIL

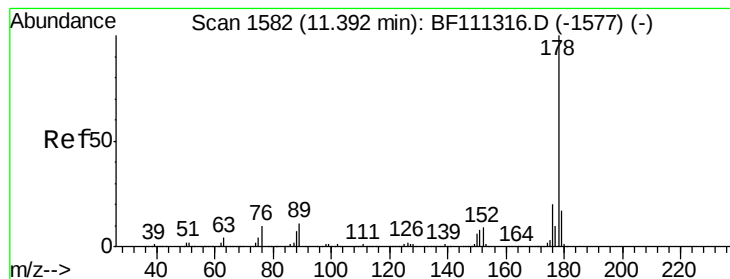
Tgt Ion:200 Resp: 234
Ion Ratio Lower Upper
200 100
173 105.2 10.1 50.1#
215 0.0 26.9 66.9#



#71
Phenanthrene
Concen: 18.347 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion:178 Resp: 639985
Ion Ratio Lower Upper
178 100
176 19.5 18.1 27.1
179 15.8 14.0 21.0





#72

Anthracene

Concen: 18.019 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.06 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampled :

SOIL

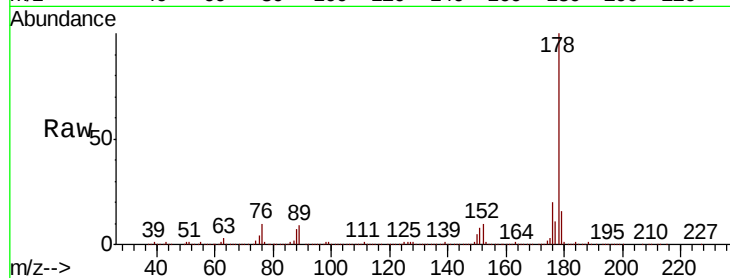
Tgt Ion:178 Resp: 639985

Ion Ratio Lower Upper

178 100

176 19.5 17.2 25.8

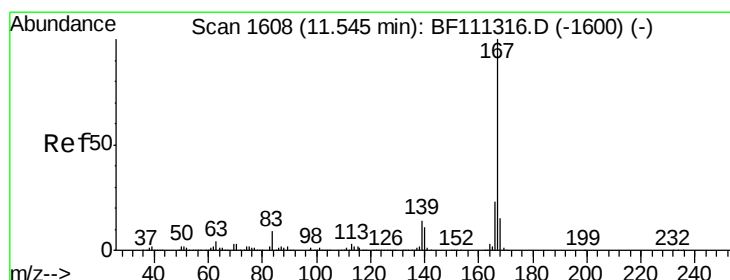
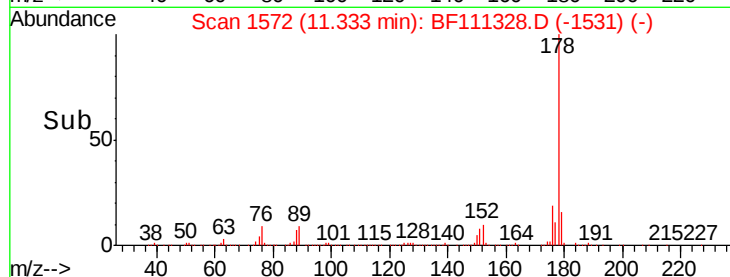
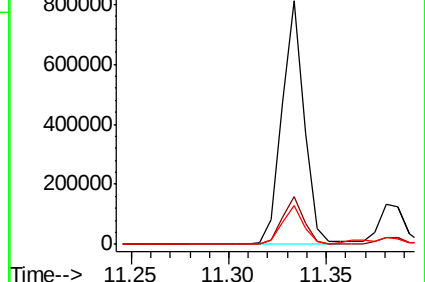
179 15.8 13.8 20.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 1.481 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

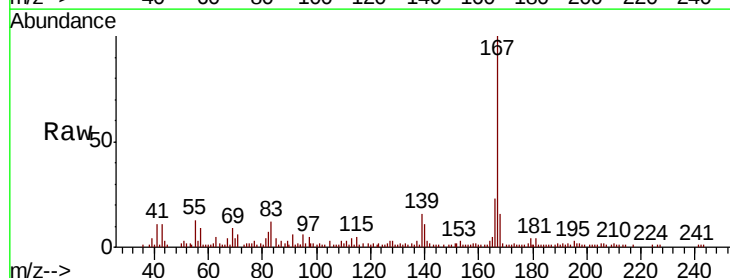
Tgt Ion:167 Resp: 54374

Ion Ratio Lower Upper

167 100

166 23.0 19.3 28.9

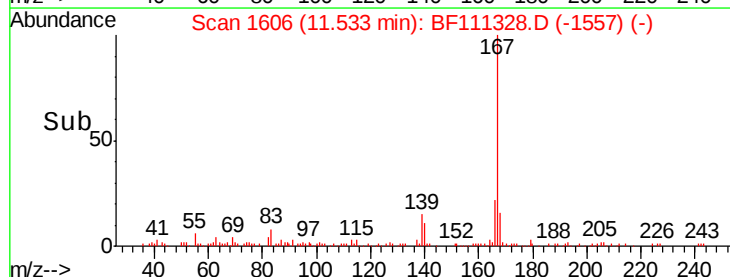
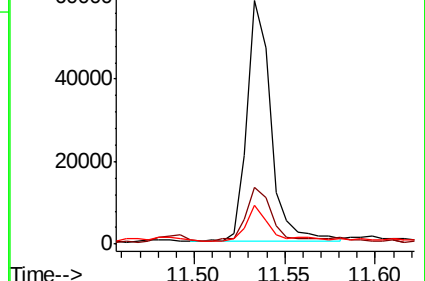
139 16.0 11.9 17.9

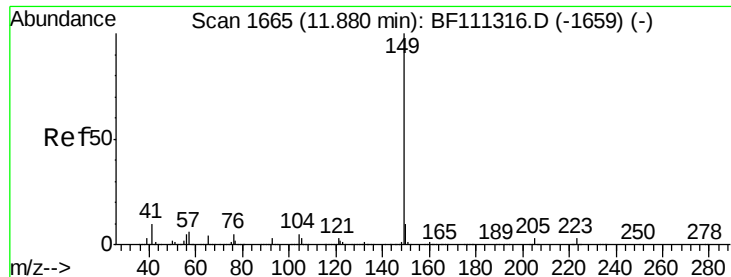


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.168 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

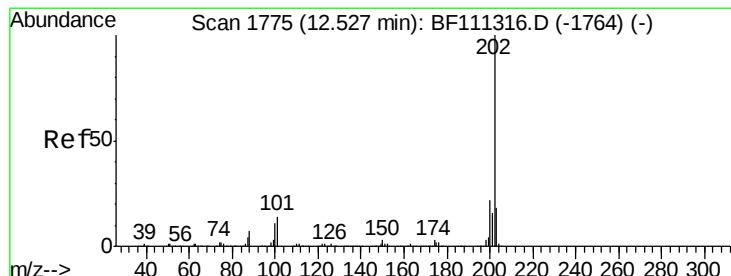
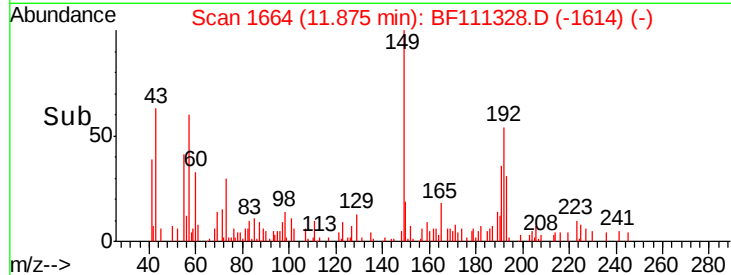
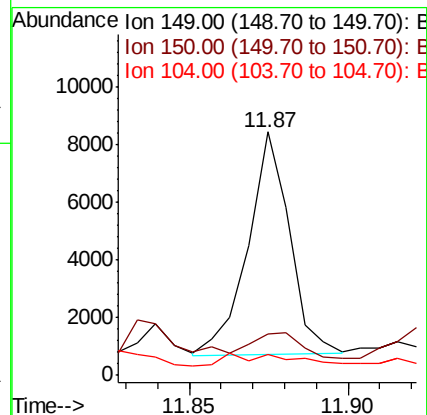
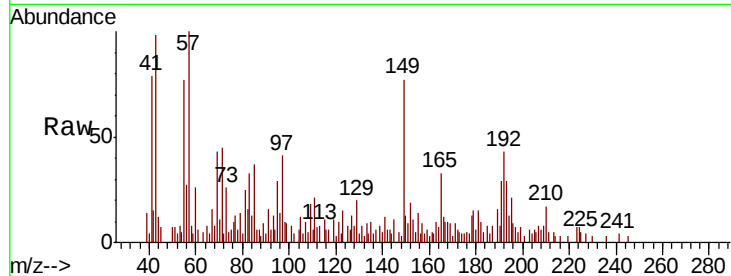
Tgt Ion:149 Resp: 7030

Ion Ratio Lower Upper

149 100

150 16.8 8.8 13.2#

104 8.4 4.5 6.7#



#75

Fluoranthene

Concen: 17.220 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

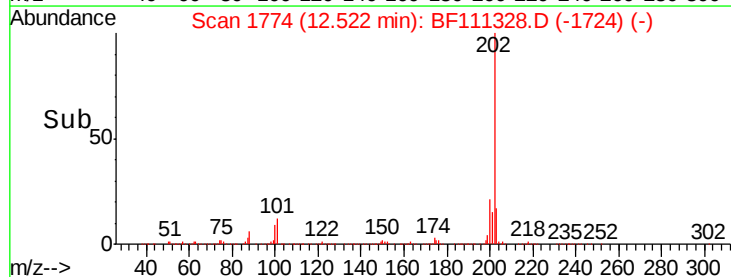
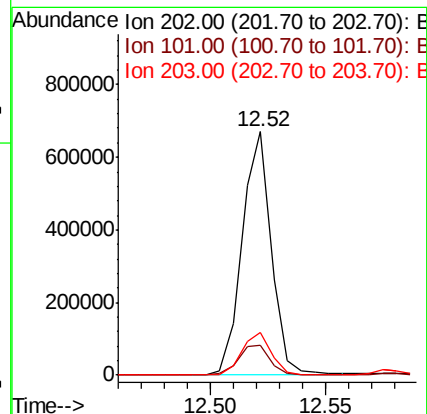
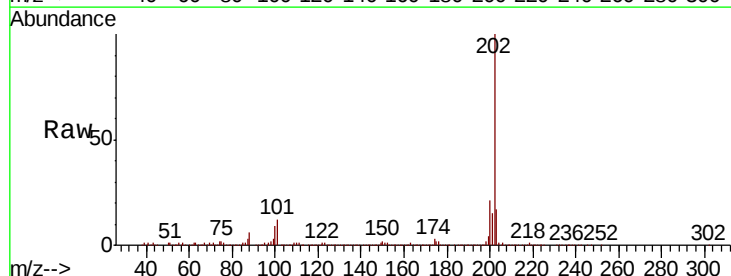
Tgt Ion:202 Resp: 586393

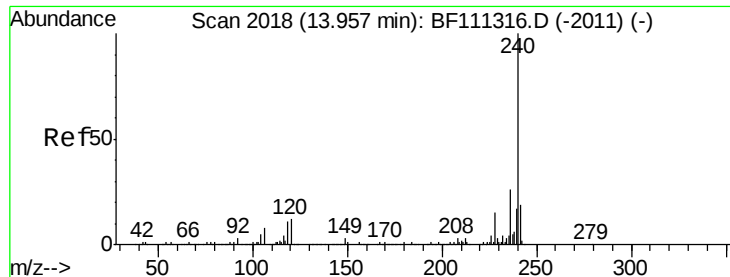
Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.8

203 17.3 0.0 38.6

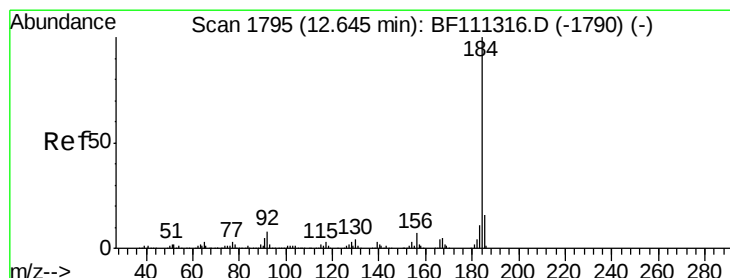
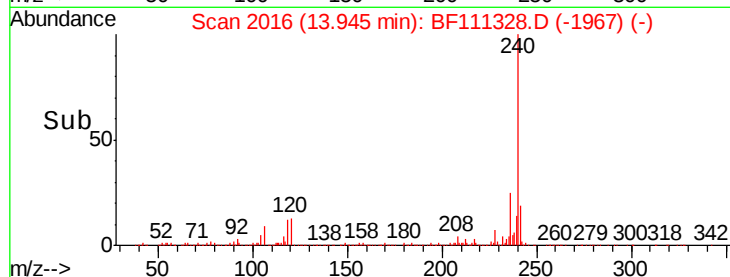
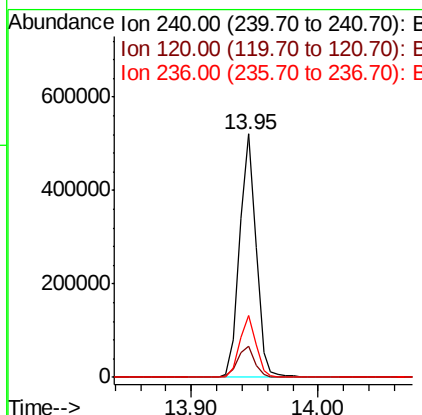
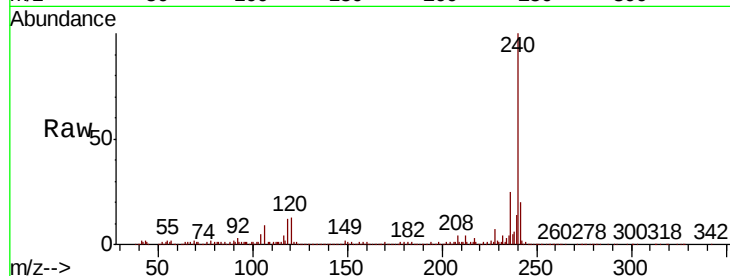




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

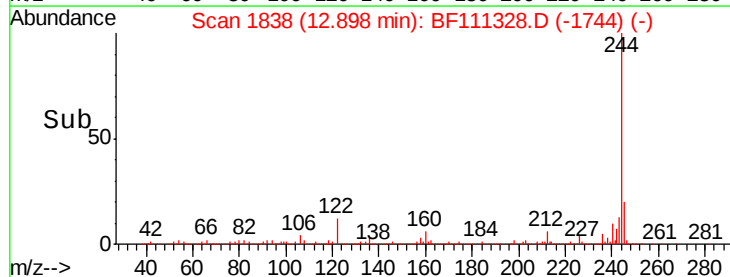
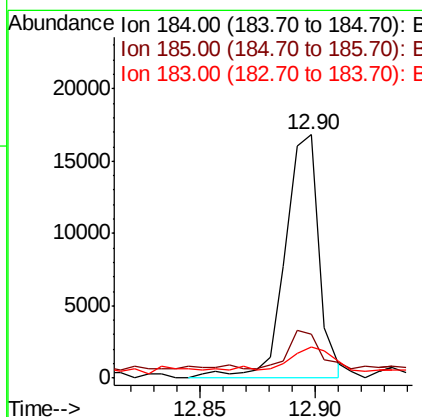
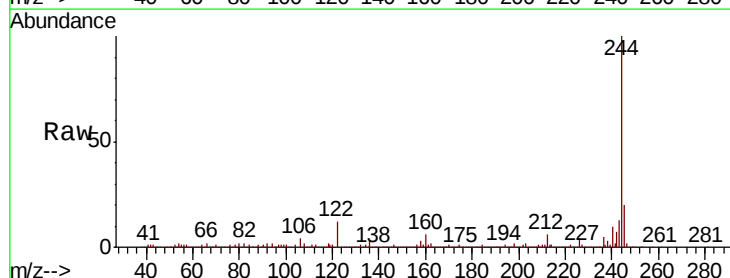
Instrument :
BNA_F
ClientSampleId :
SOIL

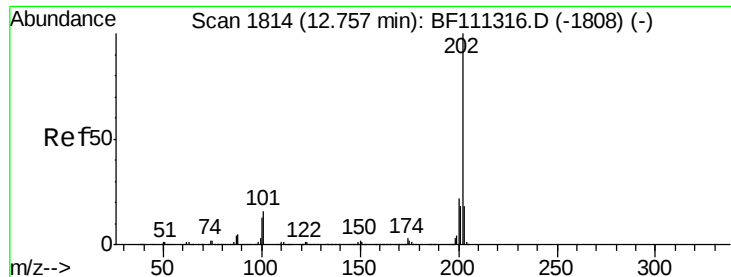
Tgt Ion:240 Resp: 464984
Ion Ratio Lower Upper
240 100
120 12.7 12.2 18.2
236 25.4 20.2 30.2



#77
Benzidine
Concen: 1.955 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.25 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion:184 Resp: 17153
Ion Ratio Lower Upper
184 100
185 17.9 13.0 19.6
183 12.6 9.3 13.9





#78

Pyrene

Concen: 12.811 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

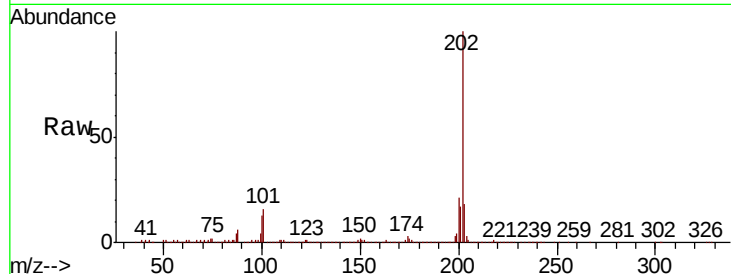
Tgt Ion:202 Resp: 459748

Ion Ratio Lower Upper

202 100

200 21.3 19.0 28.4

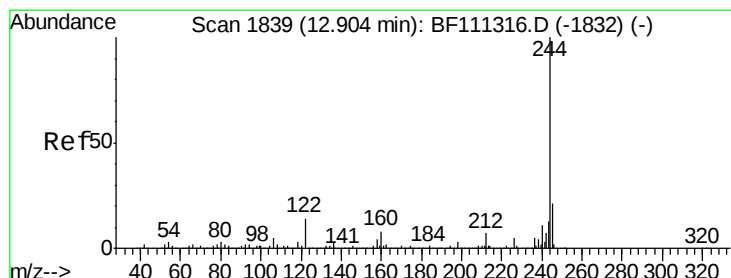
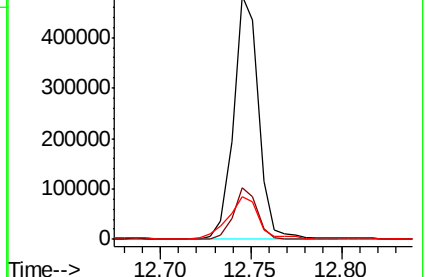
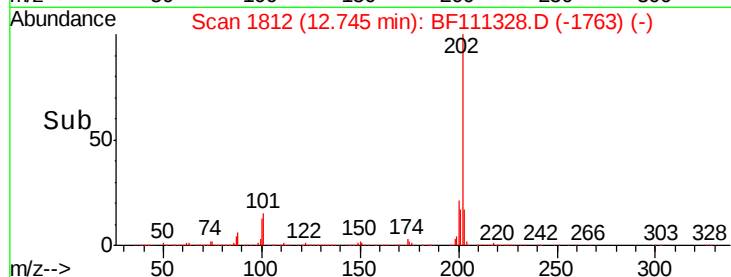
203 17.6 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 63.094 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

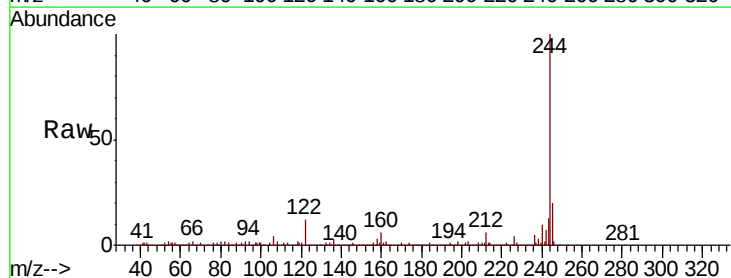
Tgt Ion:244 Resp: 1332959

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

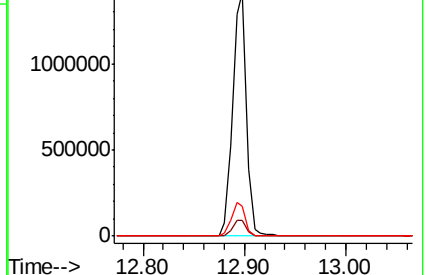
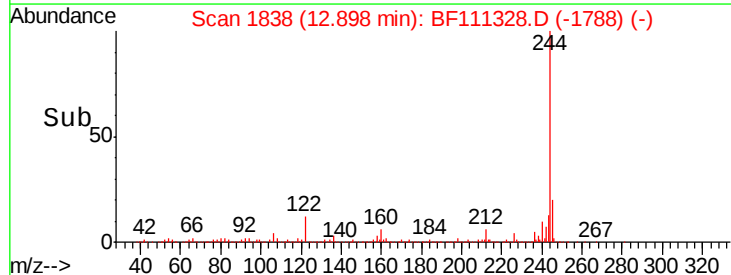
122 12.4 13.1 19.7#

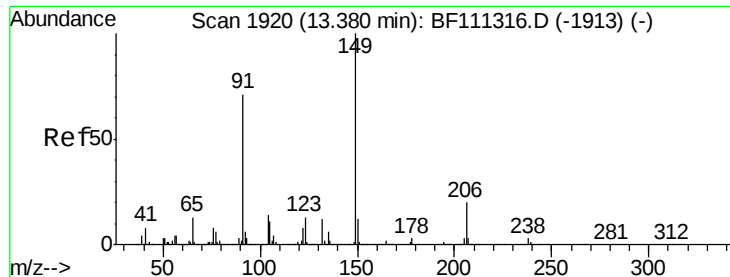


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

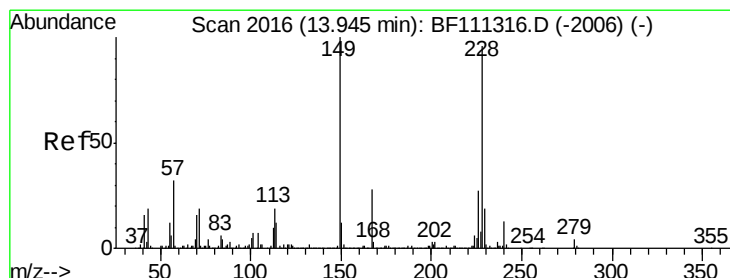
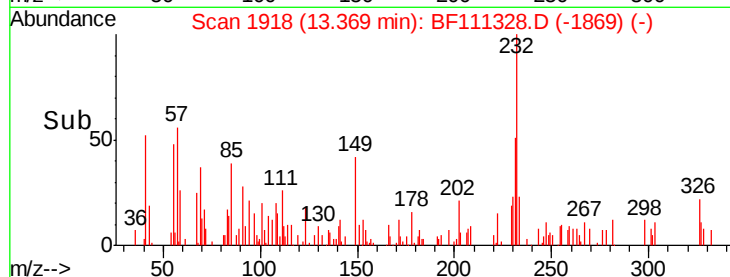
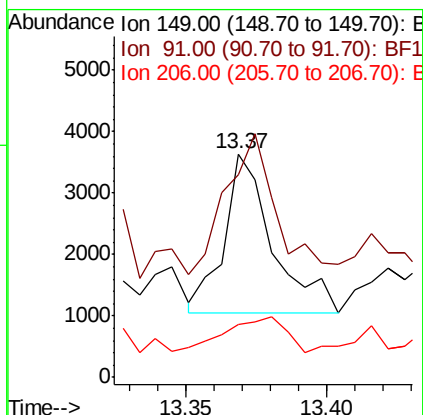
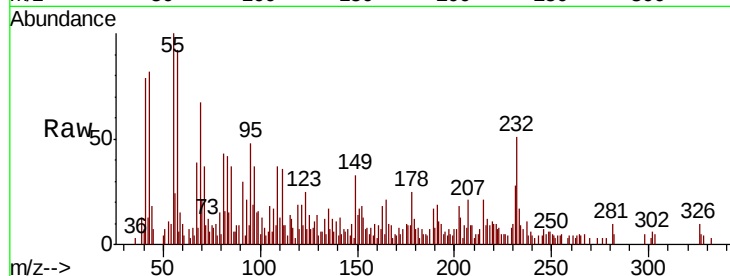




#80
Butylbenzylphthalate
Concen: 0.177 ng
RT: 13.37 min Scan# 1918
Delta R.T. -0.01 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

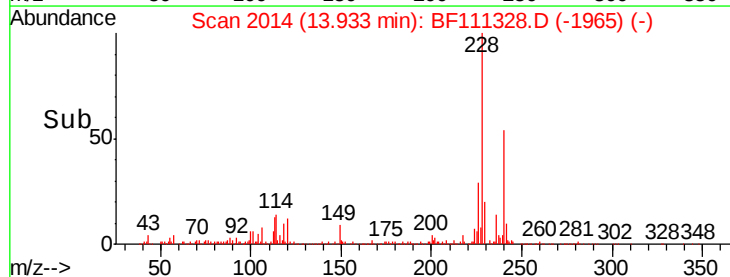
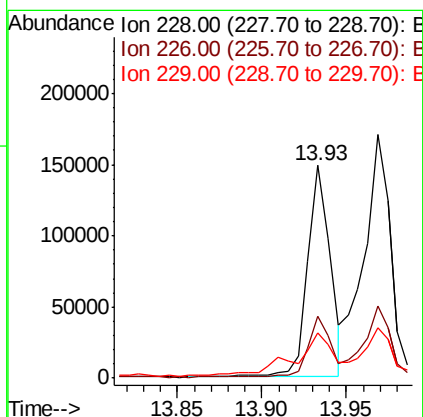
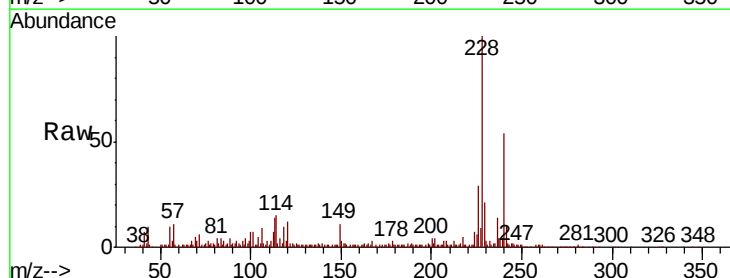
Instrument :
BNA_F
ClientSampleId :
SOIL

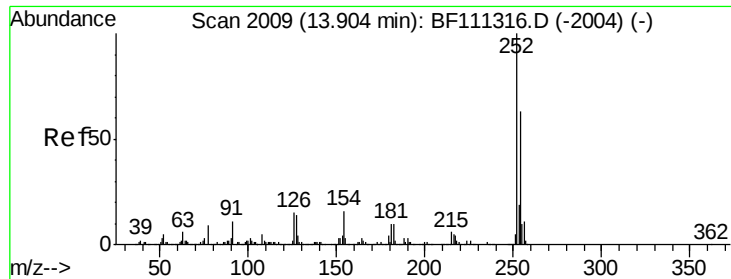
Tgt Ion:149 Resp: 3055
Ion Ratio Lower Upper
149 100
91 90.5 63.8 95.6
206 23.8 15.1 22.7#



#81
Benzo(a)anthracene
Concen: 5.311 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF111328.D
Acq: 12 Dec 2018 18:20

Tgt Ion:228 Resp: 138180
Ion Ratio Lower Upper
228 100
226 29.4 22.6 34.0
229 21.3 16.3 24.5

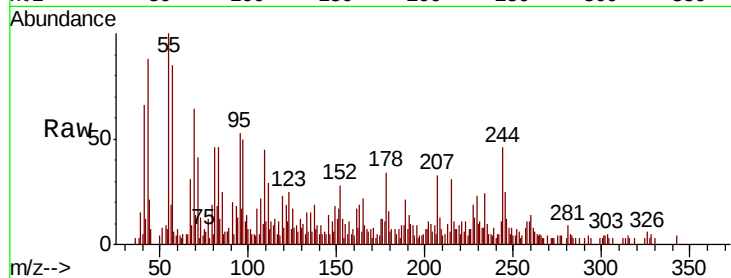




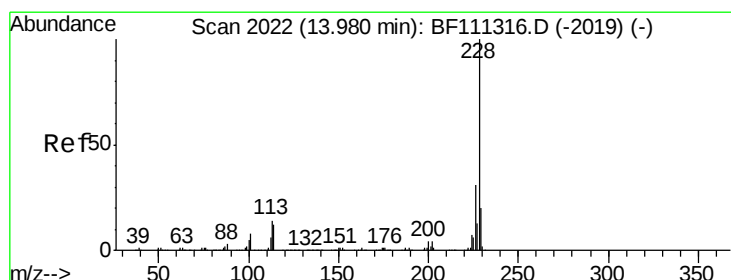
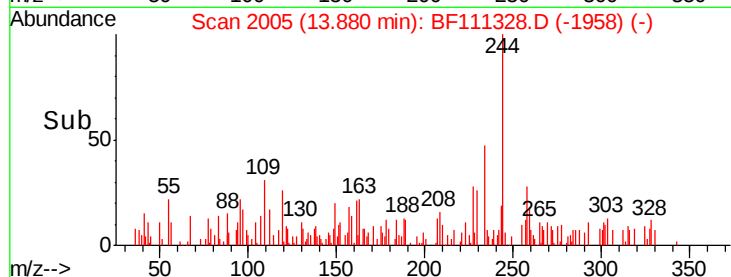
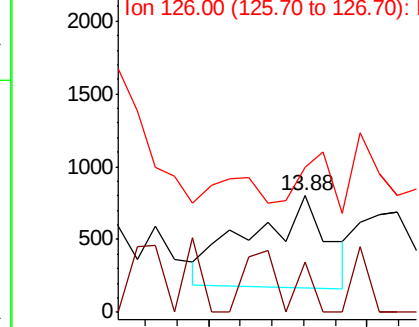
#82
 3,3'-Dichlorobenzidine
 Concen: 0.107 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

Instrument :
 BNA_F
 ClientSampleId :
 SOIL

Tgt Ion:252 Resp: 1057
 Ion Ratio Lower Upper
 252 100
 254 43.1 52.7 79.1#
 126 124.8 11.1 16.7#

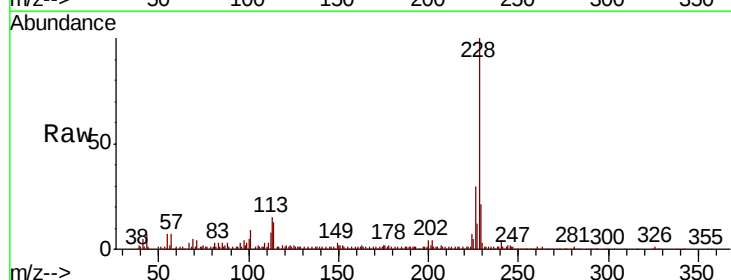


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

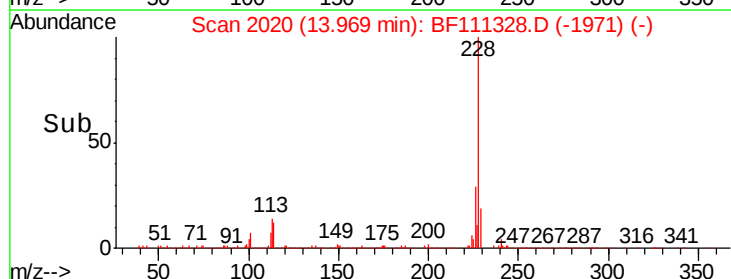
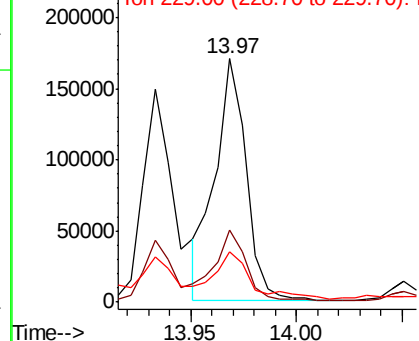


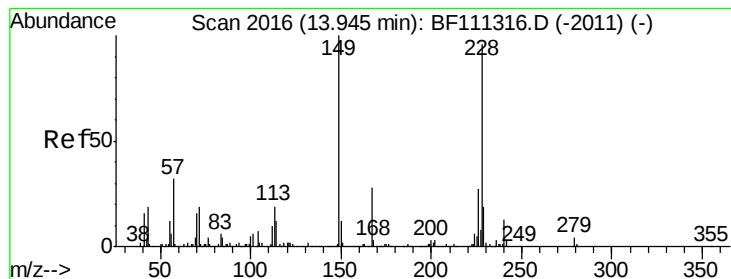
#83
 Chrysene
 Concen: 6.597 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

Tgt Ion:228 Resp: 175099
 Ion Ratio Lower Upper
 228 100
 226 29.7 25.3 37.9
 229 20.7 17.2 25.8



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.748 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

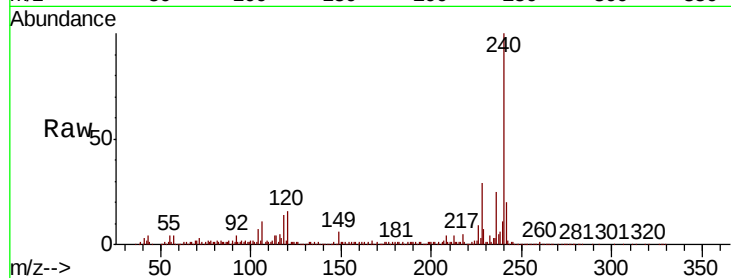
Tgt Ion:149 Resp: 15755

Ion Ratio Lower Upper

149 100

167 28.9 22.5 33.7

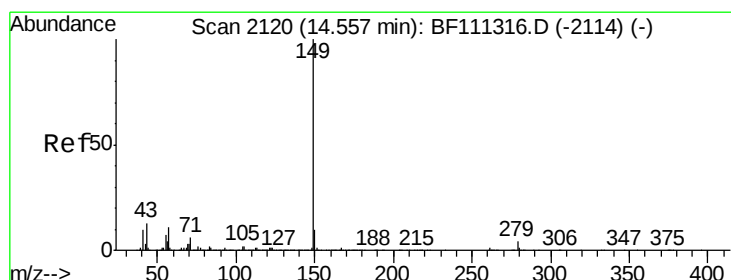
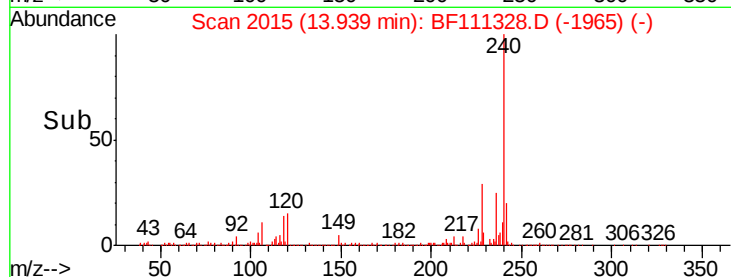
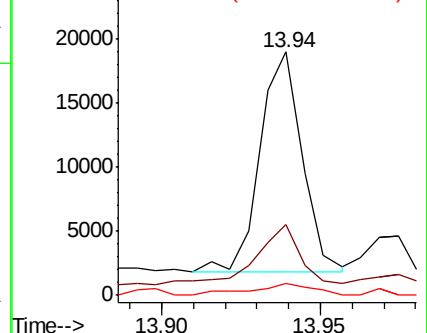
279 5.1 2.6 4.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.077 ng

RT: 14.56 min Scan# 2121

Delta R.T. 0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

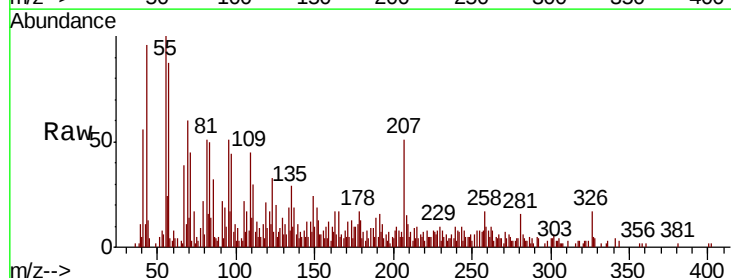
Tgt Ion:149 Resp: 2661

Ion Ratio Lower Upper

149 100

167 15.2 1.3 1.9#

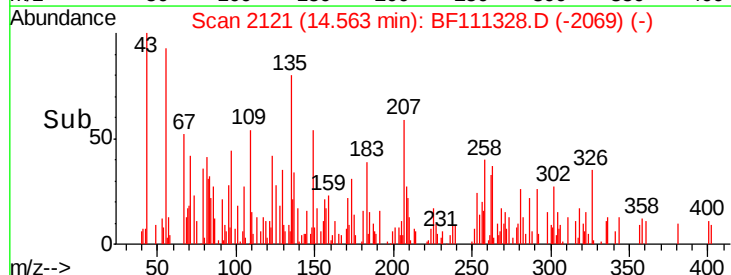
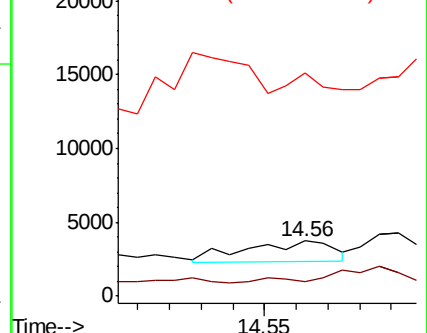
43 0.0 10.9 16.3#

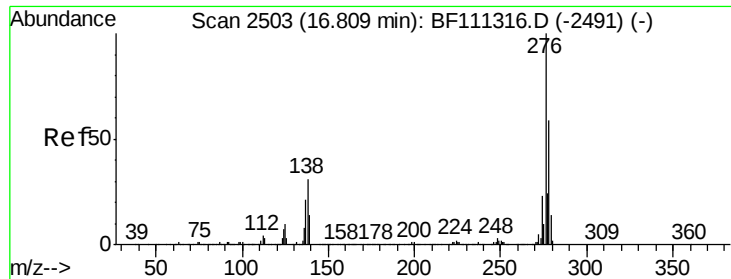


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

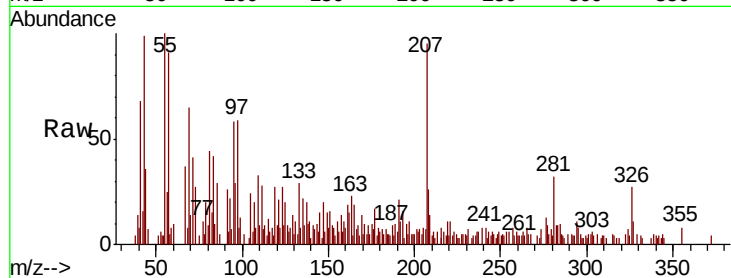




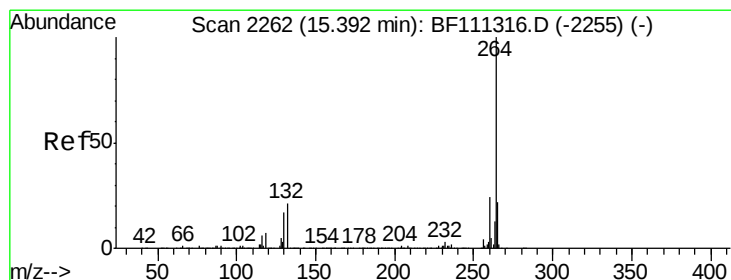
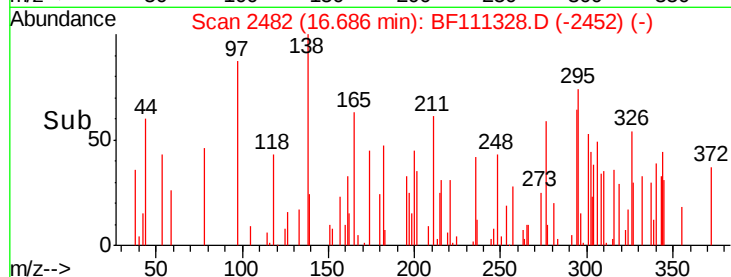
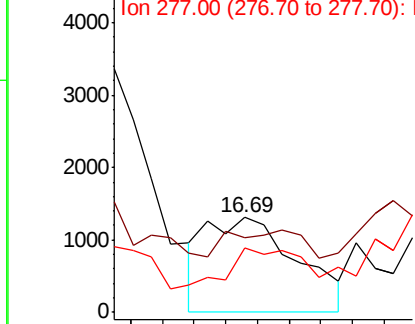
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.126 ng
 RT: 16.69 min Scan# 2482
 Delta R.T. -0.12 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

Instrument :
 BNA_F
 ClientSampled :
 SOIL

Tgt Ion: 276 Resp: 2614
 Ion Ratio Lower Upper
 276 100
 138 35.3 27.8 41.6
 277 28.4 20.1 30.1

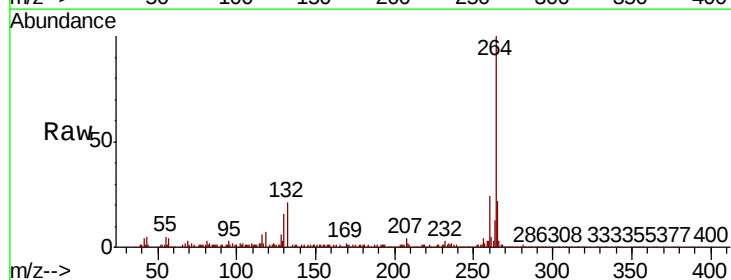


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

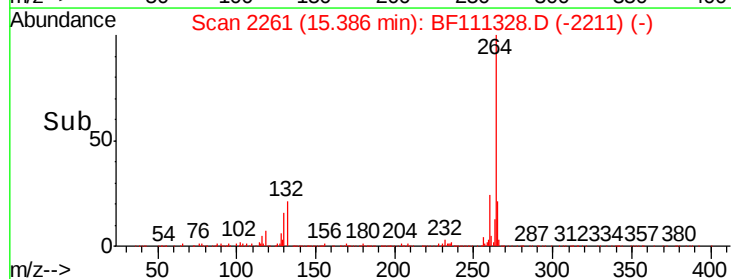
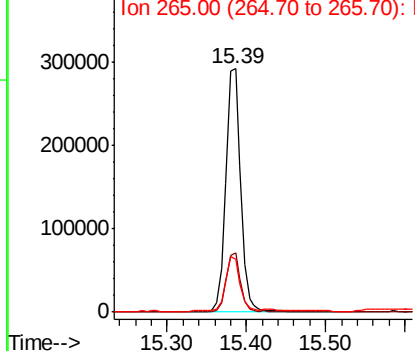


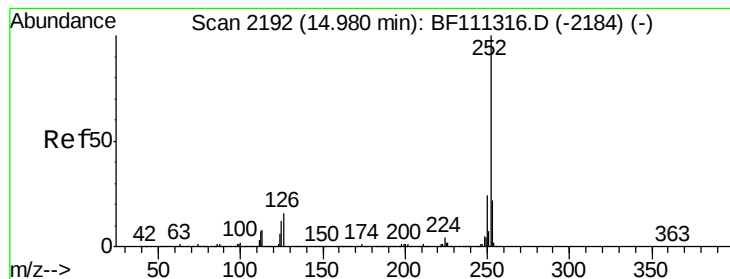
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. -0.01 min
 Lab File: BF111328.D
 Acq: 12 Dec 2018 18:20

Tgt Ion: 264 Resp: 376541
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.3 27.5
 265 21.6 17.7 26.5



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





#88

Benzo(b)fluoranthene

Concen: 10.278 ng

RT: 14.97 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

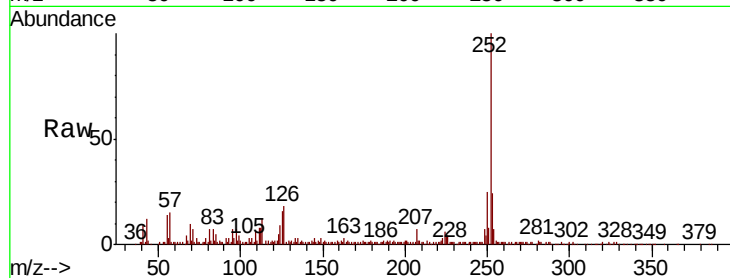
Tgt Ion:252 Resp: 220076

Ion Ratio Lower Upper

252 100

253 24.5 18.2 27.2

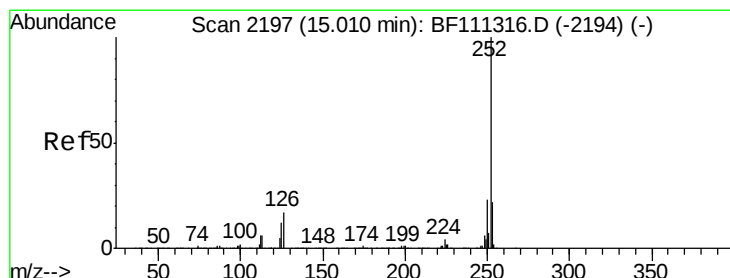
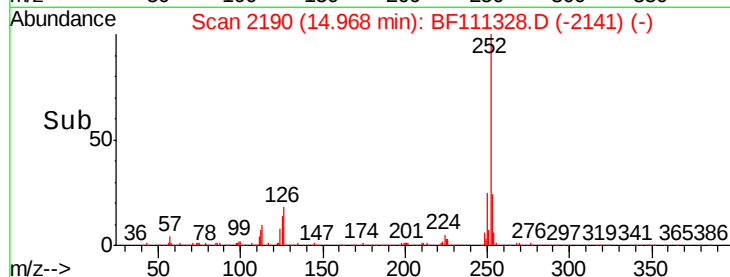
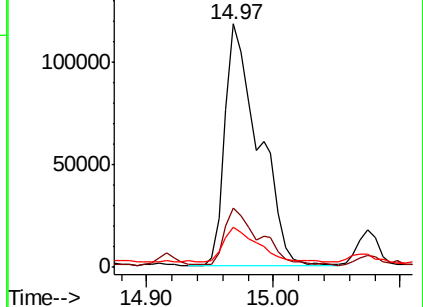
125 16.5 10.4 15.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 10.297 ng

RT: 14.97 min Scan# 2190

Delta R.T. -0.04 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

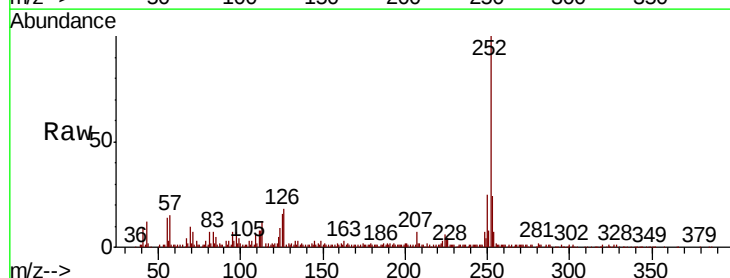
Tgt Ion:252 Resp: 220076

Ion Ratio Lower Upper

252 100

253 24.5 18.1 27.1

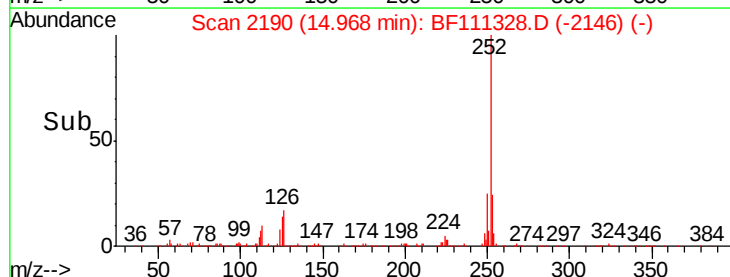
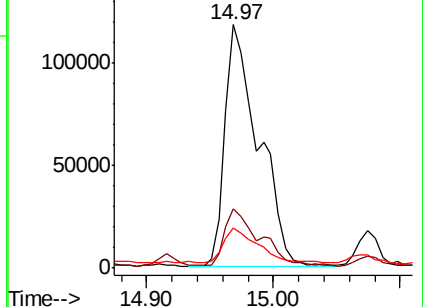
125 16.5 9.8 14.8#

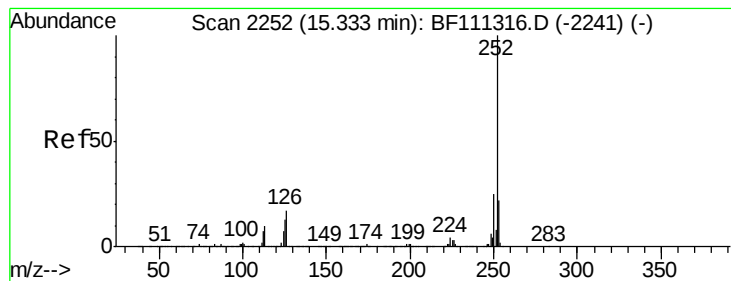


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.960 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.01 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

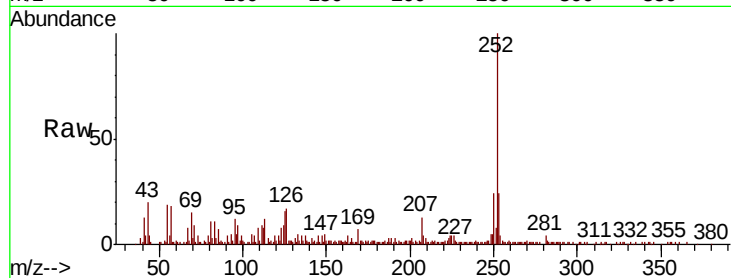
Tgt Ion:252 Resp: 78952

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

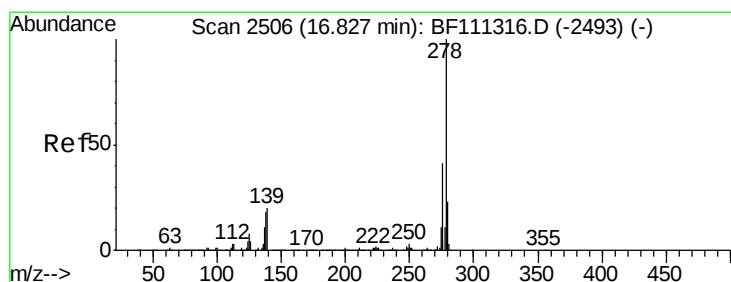
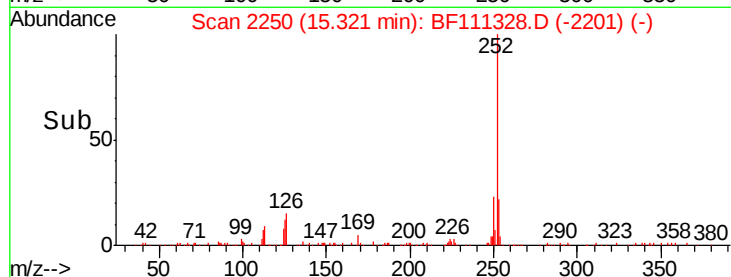
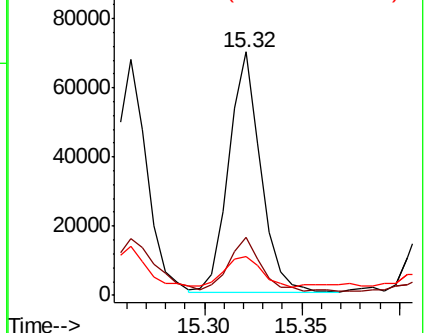
125 16.1 12.3 18.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.646 ng

RT: 16.79 min Scan# 2500

Delta R.T. -0.04 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

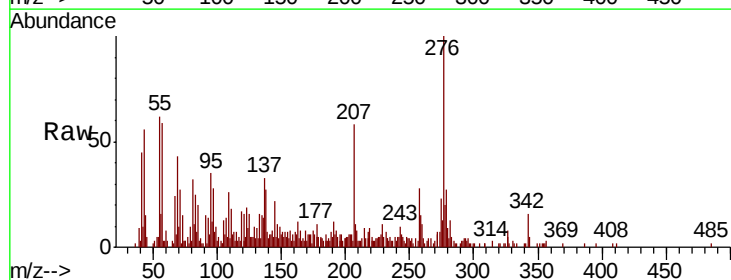
Tgt Ion:278 Resp: 10714

Ion Ratio Lower Upper

278 100

139 25.8 18.2 27.4

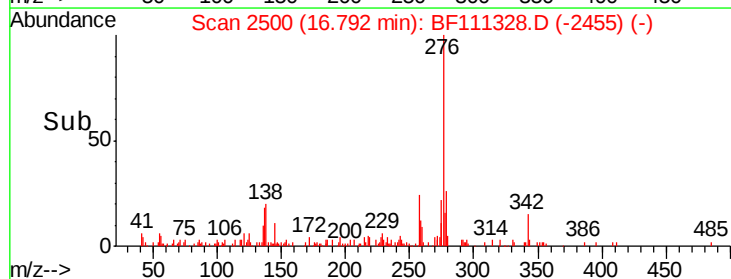
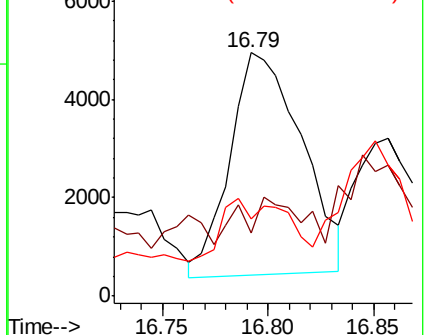
279 31.7 19.0 28.6#

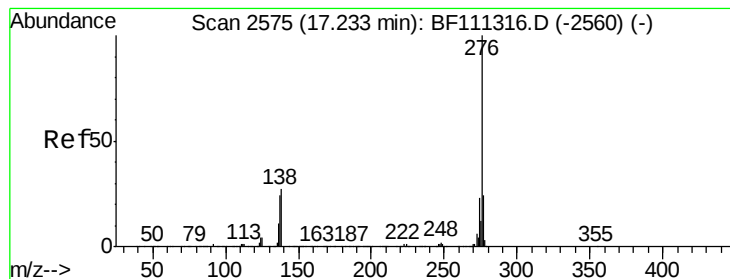


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 2.188 ng

RT: 17.21 min Scan# 2571

Delta R.T. -0.02 min

Lab File: BF111328.D

Acq: 12 Dec 2018 18:20

Instrument :

BNA_F

ClientSampleId :

SOIL

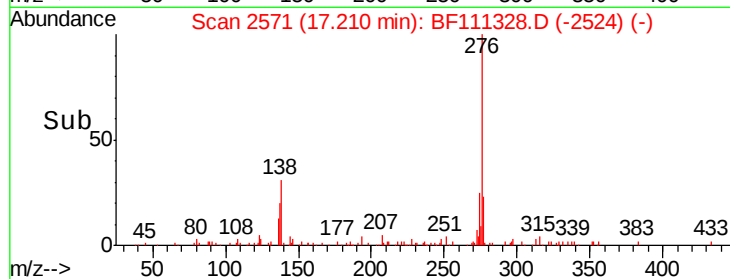
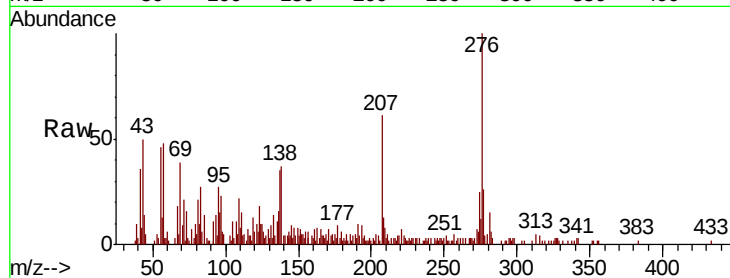
Tgt Ion: 276 Resp: 36279

Ion Ratio Lower Upper

276 100

277 25.7 19.2 28.8

138 36.6 24.9 37.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

