

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100818\
 Data File : BF109660.D
 Acq On : 8 Oct 2018 21:01
 Operator : JU/SJ
 Sample : J5270-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PHASE-3-SOIL

Quant Time: Oct 09 04:05:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	101041	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	384991	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	152986	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	244108	20.00	ng	0.00
75) Chrysene-d12	13.83	240	212166	20.00	ng	0.00
86) Perylene-d12	15.22	264	185697	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	760017	133.52	ng	0.00
7) Phenol-d6	6.36	99	1023719	134.62	ng	0.00
23) Nitrobenzene-d5	7.26	82	646033	92.50	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	186556	111.91	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	950645	85.58	ng	0.00
78) Terphenyl-d14	12.78	244	644293	58.79	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.39	88	608	0.204	ng	# 23
4) n-Nitrosodimethylamine	2.76	42	128	0.058	ng	# 1
6) Aniline	6.47	93	789	0.089	ng	# 1
9) Benzaldehyde	6.36	77	1447	0.296	ng	# 1
10) Phenol	6.36	94	7141	0.819	ng	# 1
11) bis(2-Chloroethyl)ether	6.47	93	789	0.109	ng	# 1
15) Benzyl Alcohol	6.85	79	9713	1.723	ng	# 53
16) 2,2'-oxybis(1-Chloropropan	6.74	45	127	0.013	ng	# 1
18) Hexachloroethane	7.08	117	108	0.035	ng	# 2
19) n-Nitroso-di-n-propylamine	7.26	70	86128	16.151	ng	# 77
24) Nitrobenzene	7.26	77	1741	0.240	ng	# 38
25) Isophorone	7.26	82	646415	55.737	ng	# 67
31) Naphthalene	8.00	128	5969	0.335	ng	# 93
33) 4-Chloroaniline	8.00	127	385	0.049	ng	# 15
37) 2-Methylnaphthalene	8.69	142	2874	0.246	ng	# 85
45) 1,1'-Biphenyl	9.16	154	1656	0.121	ng	# 82
46) 2-Chloronaphthalene	9.45	162	351	0.034	ng	# 1
47) 2-Nitroaniline	9.45	65	580	0.187	ng	# 1
48) Acenaphthylene	9.59	152	115	0.008	ng	# 61
49) Dimethylphthalate	9.45	163	72478	6.460	ng	# 99
50) 2,6-Dinitrotoluene	9.45	165	683	0.281	ng	# 5
51) Acenaphthene	9.72	154	382	0.043	ng	# 4
54) Dibenzofuran	9.93	168	756	0.057	ng	# 42
56) 2,4-Dinitrotoluene	9.72	165	19555	6.443	ng	# 17
57) Fluorene	10.51	166	7172	0.724	ng	# 92
59) Diethylphthalate	10.15	149	933	0.084	ng	# 59
62) Azobenzene	10.51	77	776	0.069	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.51	198	432	0.364	ng	# 1
65) n-Nitrosodiphenylamine	10.51	169	5927	0.716	ng	# 50
66) 4-Bromophenyl-phenylether	10.51	248	11061	3.944	ng	# 1
70) Phenanthrene	11.23	178	3059	0.250	ng	# 82
71) Anthracene	11.28	178	813	0.064	ng	# 60
72) Carbazole	11.46	167	124	0.010	ng	# 59
73) Di-n-butylphthalate	11.76	149	2079	0.146	ng	# 77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

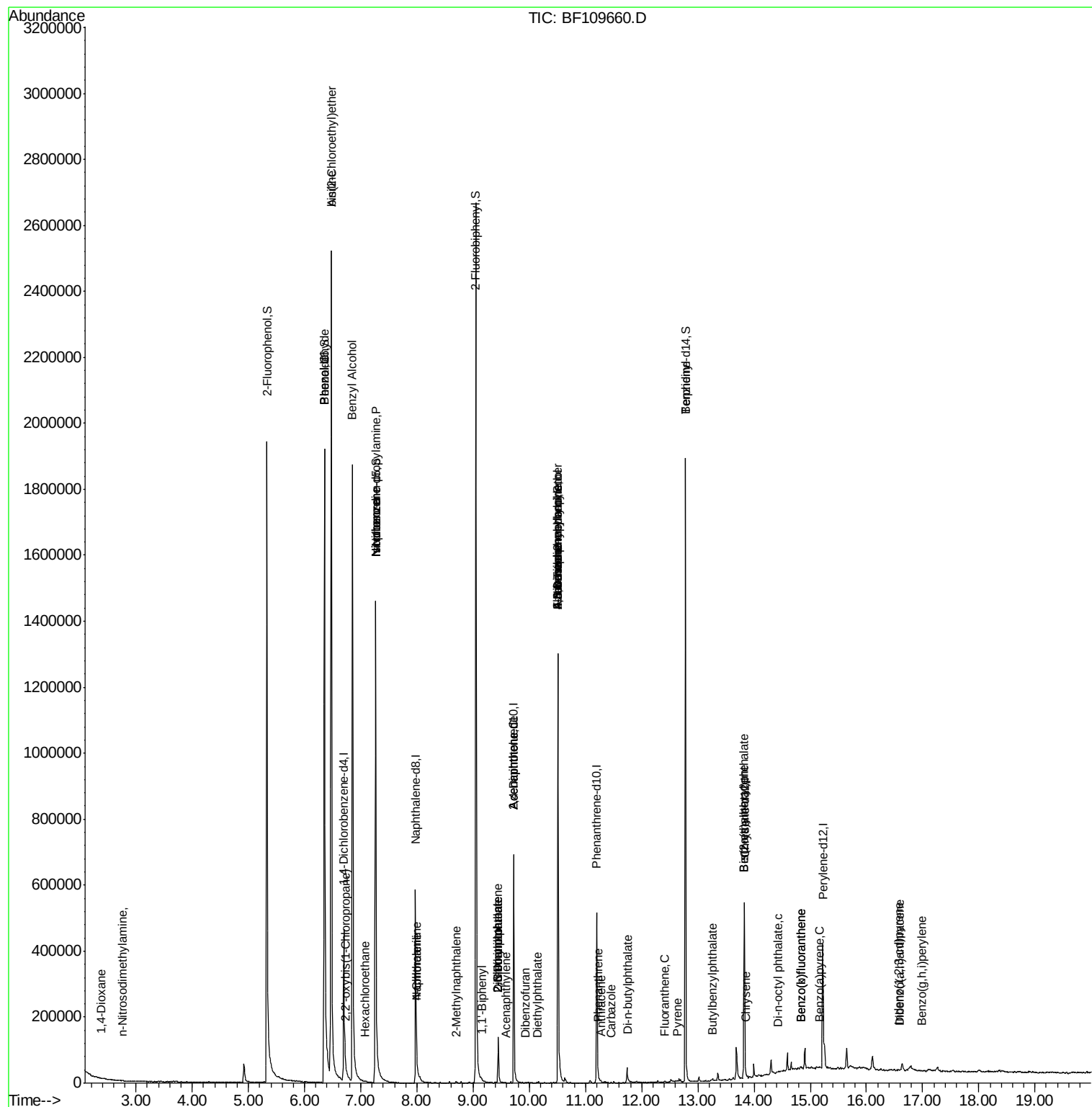
74) Fluoranthene	12.41	202	3140	0.246	ng	88
76) Benzdine	12.78	184	8691	1.103	ng	97
77) Pyrene	12.63	202	3350	0.216	ng	99
79) Butylbenzylphthalate	13.25	149	865	0.128	ng	# 64
80) Benzo(a)anthracene	13.82	228	2419	0.207	ng	# 75
82) Chrysene	13.85	228	2223	0.181	ng	# 81
83) Bis(2-ethylhexyl)phthalate	13.82	149	2898	0.352	ng	# 83
84) Di-n-octyl phthalate	14.43	149	258	0.020	ng	# 76
85) Indeno(1,2,3-cd)pyrene	16.57	276	1165	0.132	ng	# 62
87) Benzo(b)fluoranthene	14.83	252	3569	0.348	ng	# 83
88) Benzo(k)fluoranthene	14.83	252	3569	0.346	ng	# 82
89) Benzo(a)pyrene	15.17	252	1788	0.192	ng	# 54
90) Dibenzo(a,h)anthracene	16.59	278	115	0.015	ng	# 56
91) Benzo(g,h,i)perylene	16.99	276	1176	0.154	ng	# 54

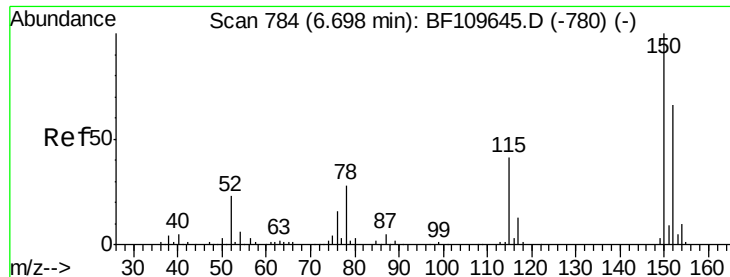
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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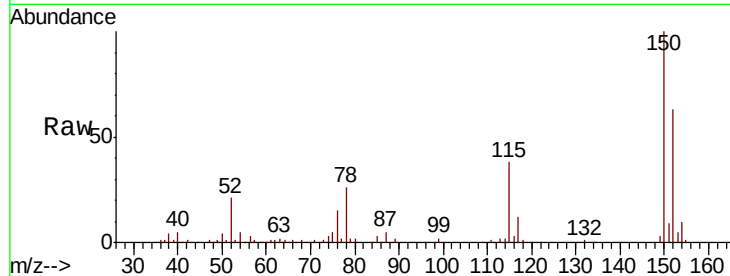




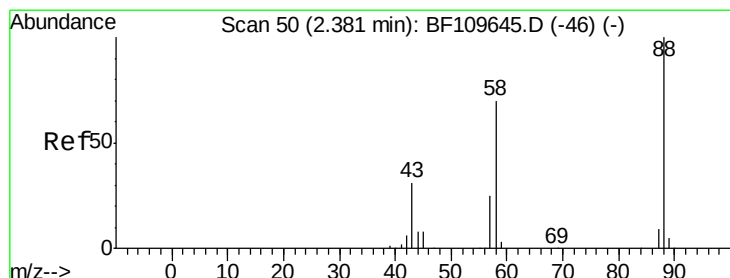
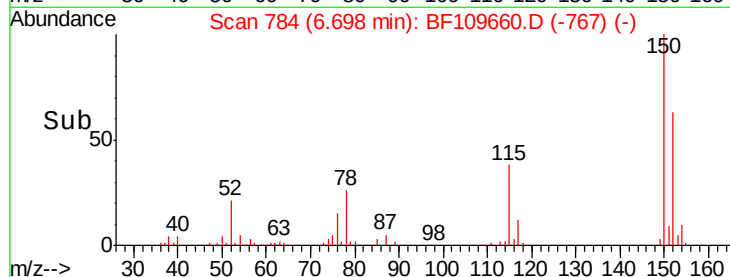
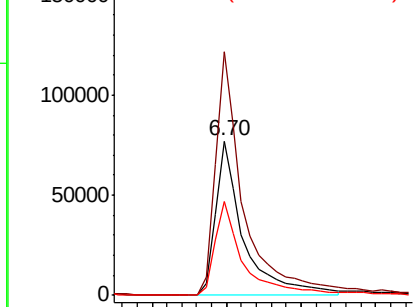
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BF109660.D
 Acq: 8 Oct 2018 21:01

Instrument :
 BNA_F
 ClientSampleId :
 PHASE-3-SOIL

Tgt Ion:152 Resp: 101041
 Ion Ratio Lower Upper
 152 100
 150 157.6 122.7 184.1
 115 60.6 49.1 73.7

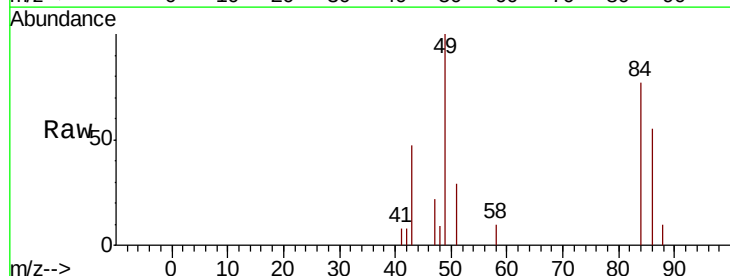


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

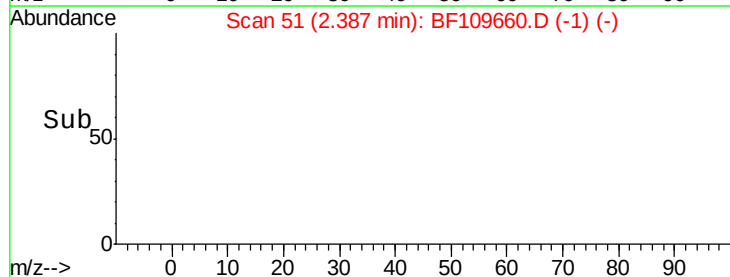
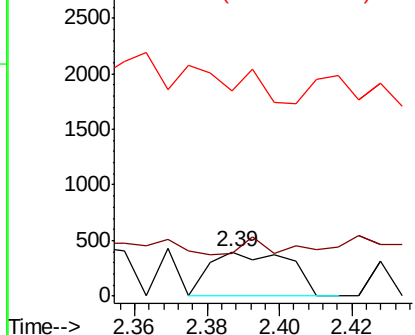


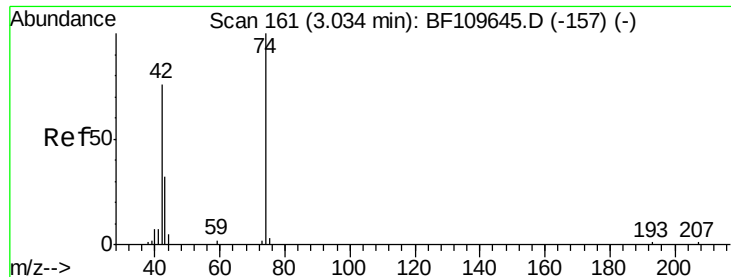
#2
 1,4-Dioxane
 Concen: 0.204 ng
 RT: 2.39 min Scan# 51
 Delta R.T. 0.01 min
 Lab File: BF109660.D
 Acq: 8 Oct 2018 21:01

Tgt Ion: 88 Resp: 608
 Ion Ratio Lower Upper
 88 100
 58 0.0 57.1 85.7#
 43 0.0 24.1 36.1#



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





#4

n-Nitrosodimethylamine

Concen: 0.058 ng

RT: 2.76 min Scan# 115

Delta R.T. -0.27 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

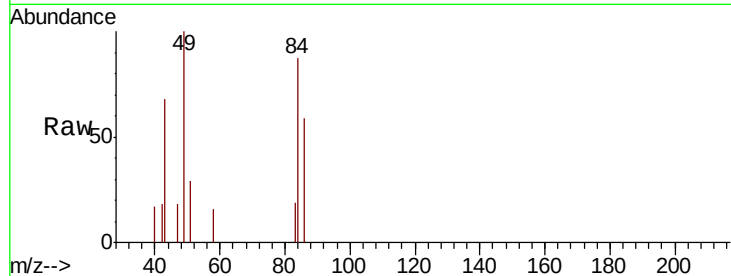
Tgt Ion: 42 Resp: 128

Ion Ratio Lower Upper

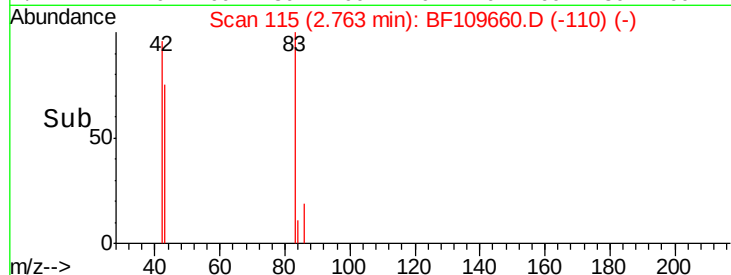
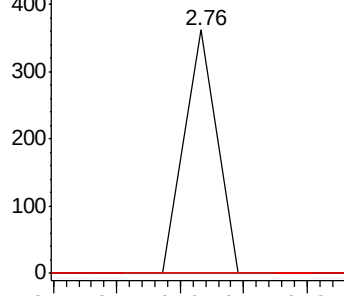
42 100

74 0.0 105.5 158.3#

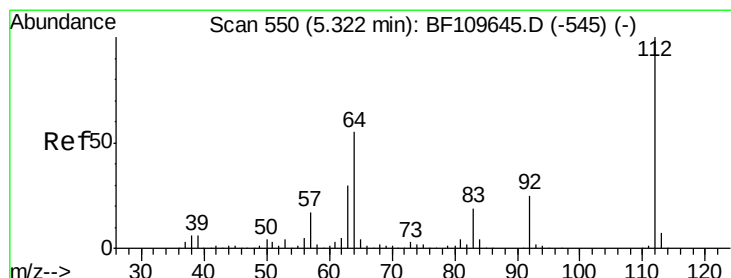
44 0.0 4.9 7.3#



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



Time-->



#5

2-Fluorophenol

Concen: 133.515 ng

RT: 5.33 min Scan# 551

Delta R.T. 0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

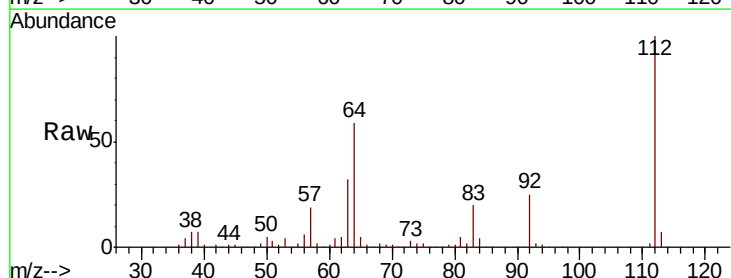
Tgt Ion: 112 Resp: 760017

Ion Ratio Lower Upper

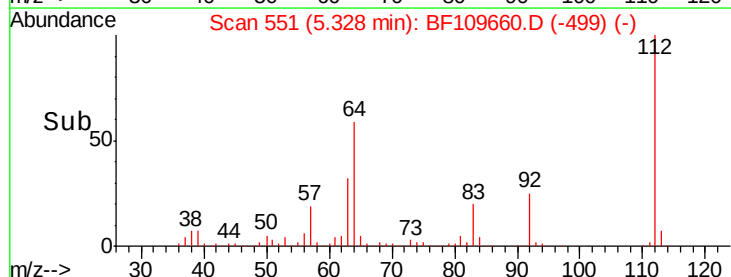
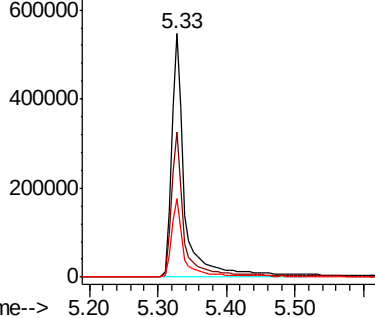
112 100

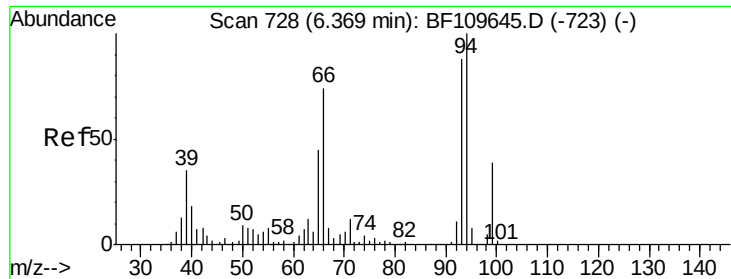
64 59.4 44.1 66.1

63 32.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 0.089 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.11 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

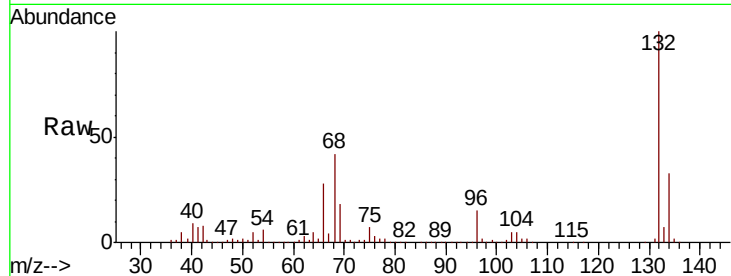
Tgt Ion: 93 Resp: 789

Ion Ratio Lower Upper

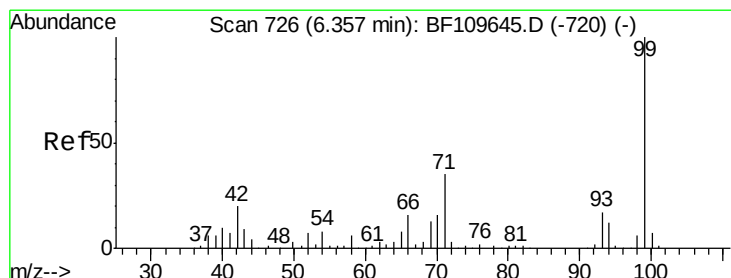
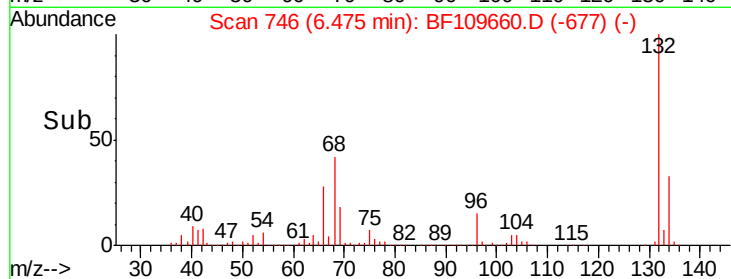
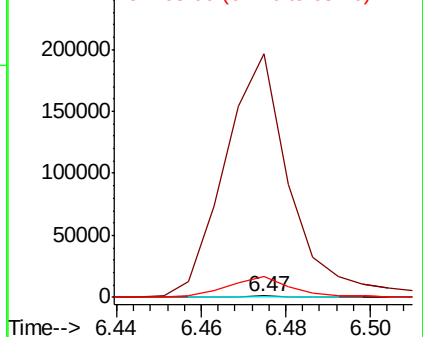
93 100

66 19088.0 67.4 101.0#

65 1608.6 41.0 61.4#



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: 134.623 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

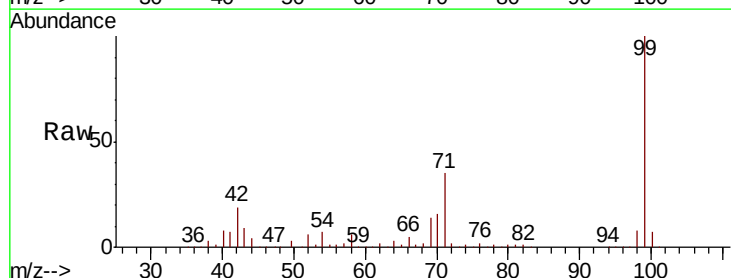
Tgt Ion: 99 Resp: 1023719

Ion Ratio Lower Upper

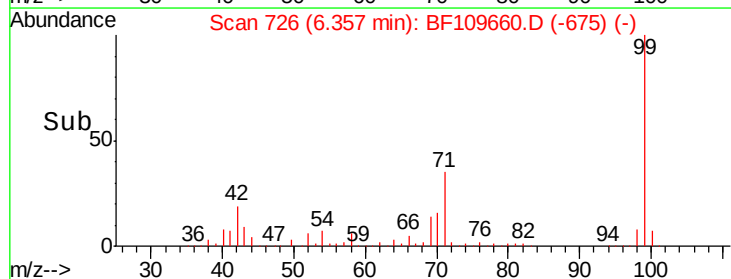
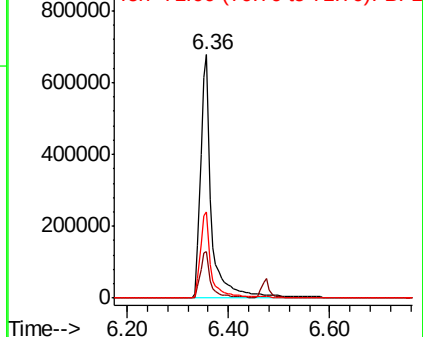
99 100

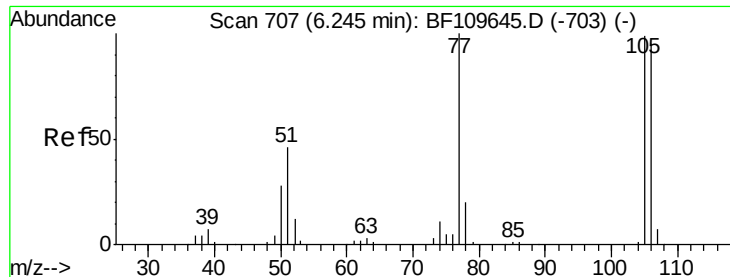
42 19.3 15.8 23.6

71 35.5 28.0 42.0



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





#9

Benzaldehyde

Concen: 0.296 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.11 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

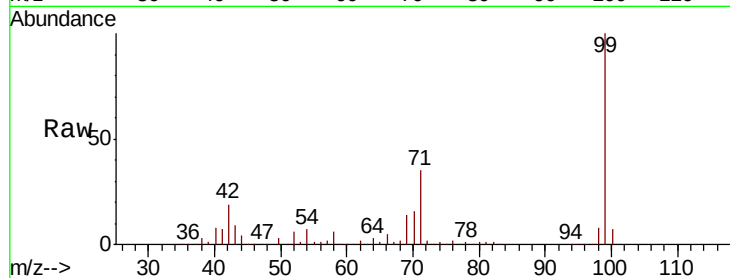
Tgt Ion: 77 Resp: 1447

Ion Ratio Lower Upper

77 100

105 0.0 78.6 118.6#

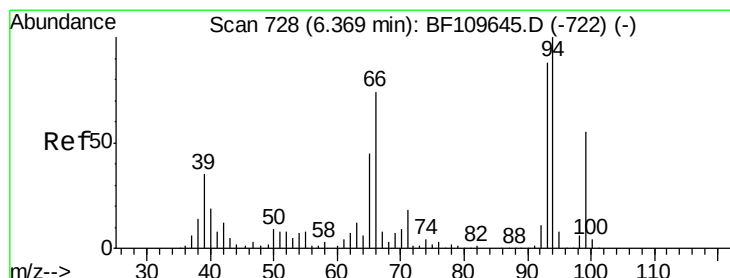
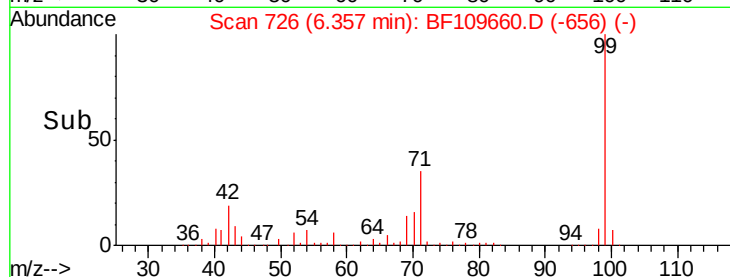
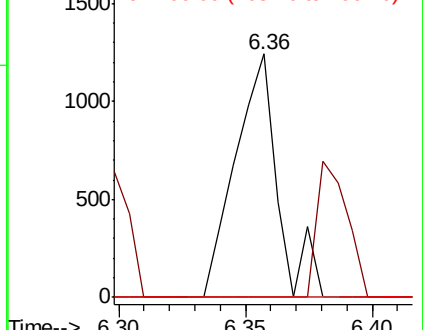
106 0.0 74.8 114.8#



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: 0.819 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

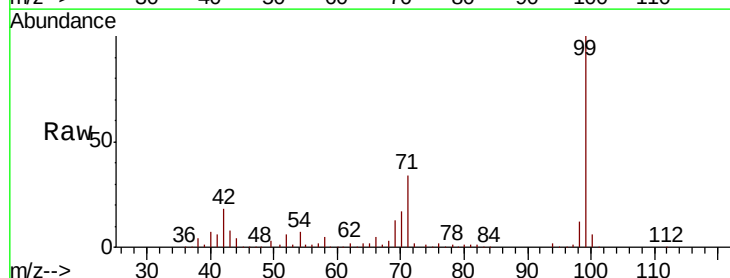
Tgt Ion: 94 Resp: 7141

Ion Ratio Lower Upper

94 100

65 82.6 25.3 65.3#

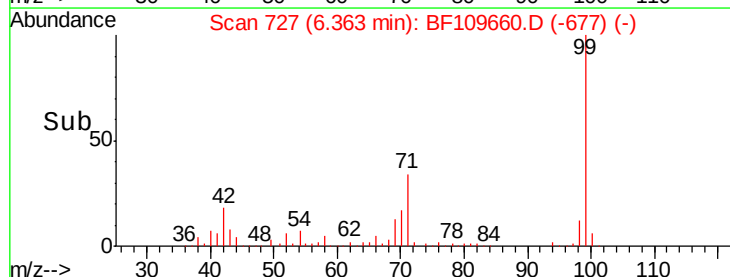
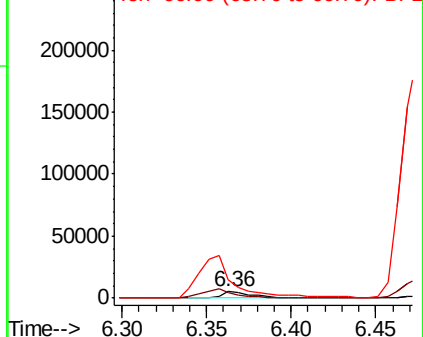
66 290.3 54.5 94.5#

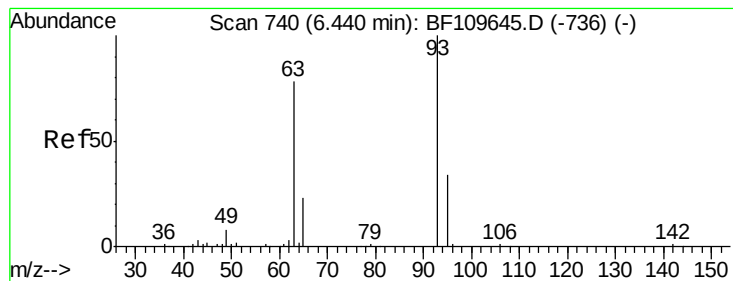


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

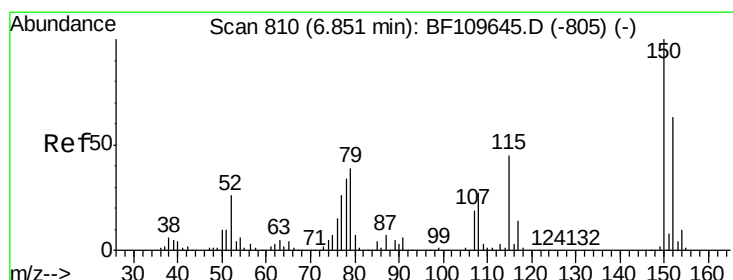
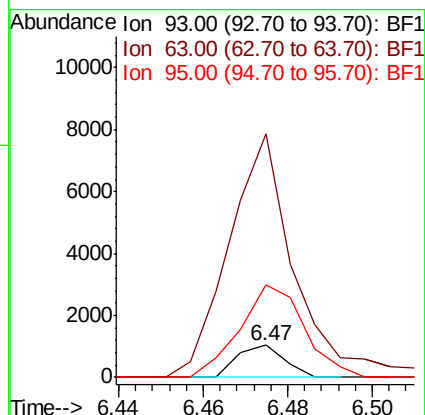
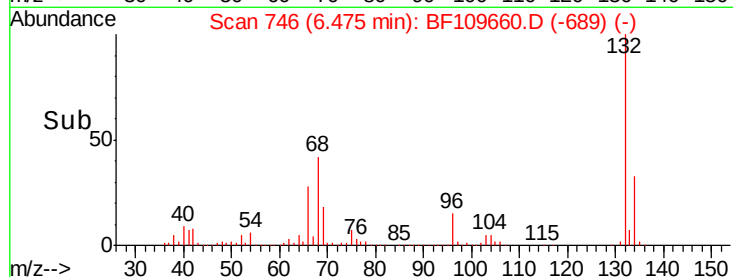
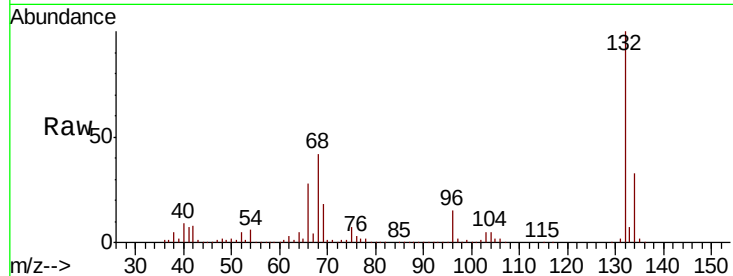




#11
bis(2-Chloroethyl)ether
Concen: 0.109 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.04 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

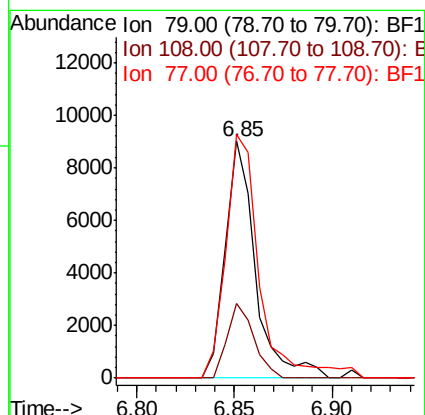
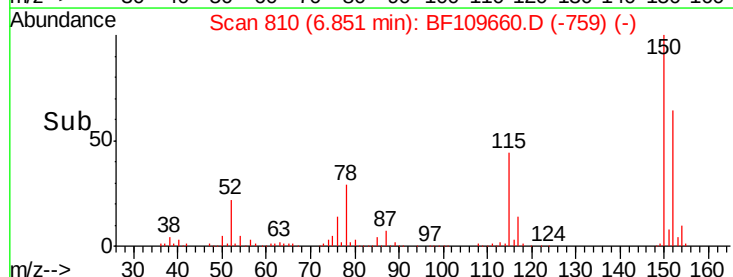
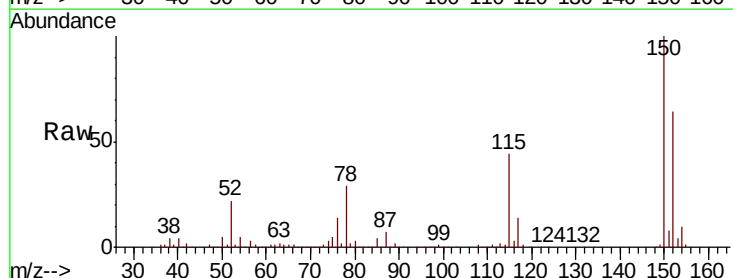
Instrument :
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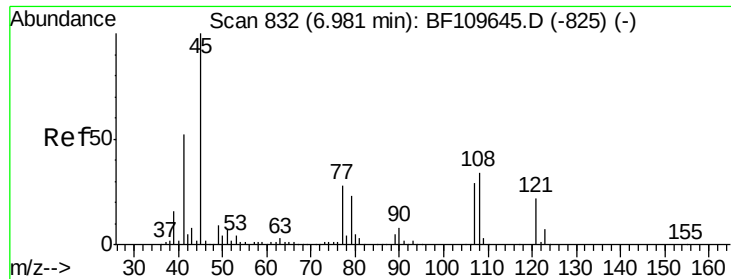
Tgt Ion: 93 Resp: 789
Ion Ratio Lower Upper
93 100
63 764.1 53.4 93.4#
95 289.0 12.1 52.1#



#15
Benzyl Alcohol
Concen: 1.723 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

Tgt Ion: 79 Resp: 9713
Ion Ratio Lower Upper
79 100
108 31.7 56.3 84.5#
77 102.7 52.9 79.3#

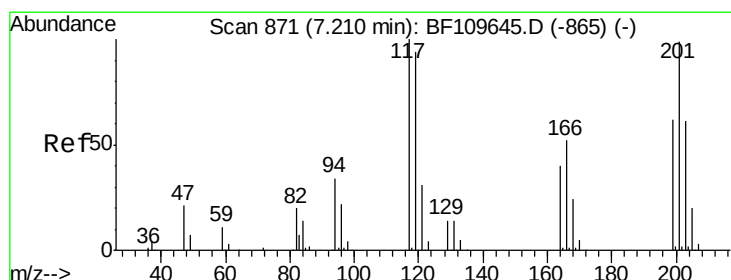
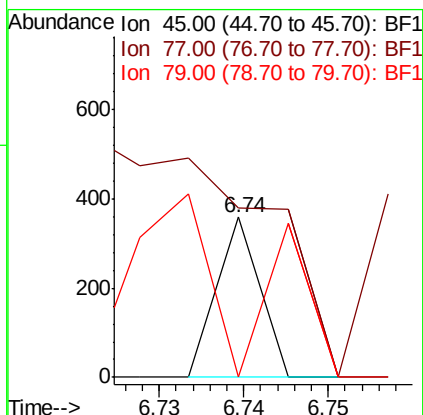
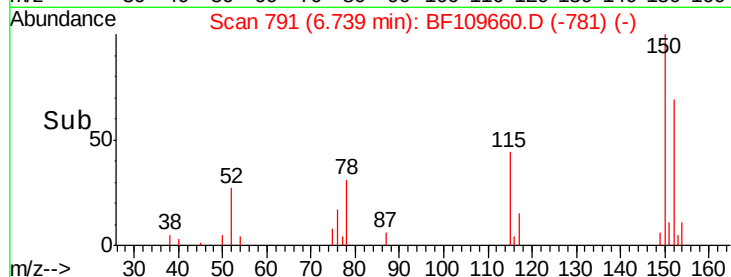
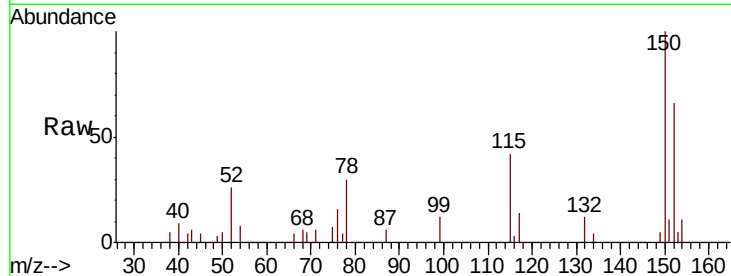




#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.013 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.24 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

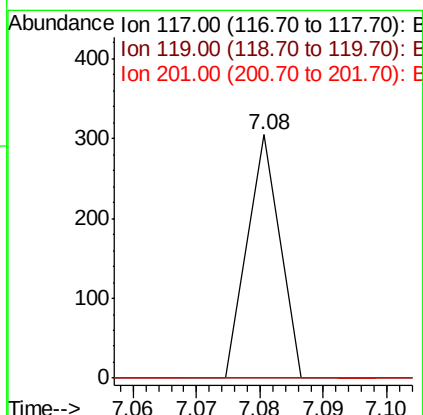
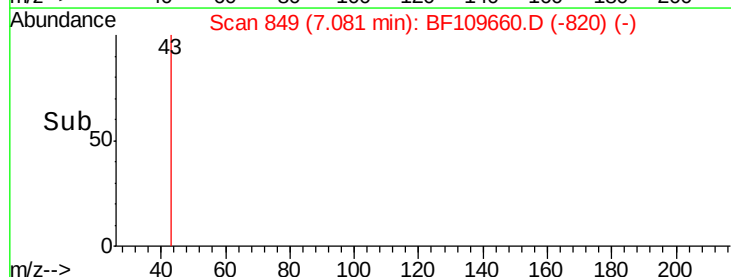
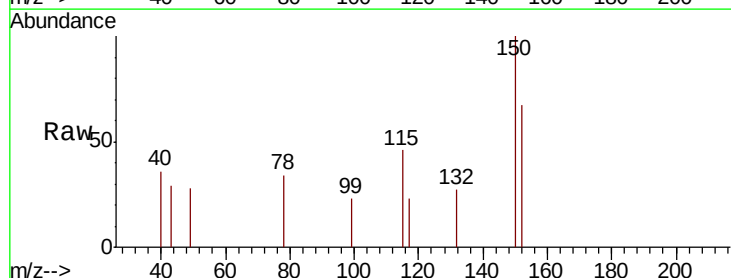
Instrument :
BNA_F
ClientSampleId :
PHASE-3-SOIL

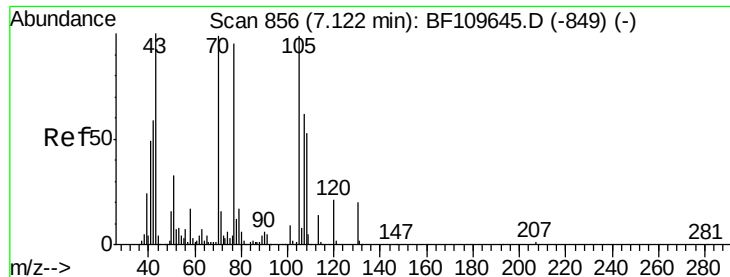
Tgt Ion: 45 Resp: 127
Ion Ratio Lower Upper
45 100
77 105.8 10.0 50.0#
79 0.0 6.1 46.1#



#18
Hexachloroethane
Concen: 0.035 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.13 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

Tgt Ion: 117 Resp: 108
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.6#
201 0.0 79.2 118.8#

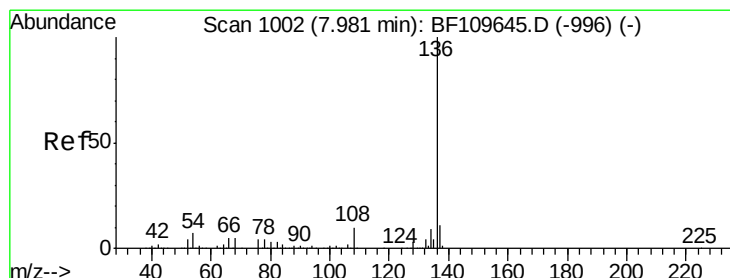
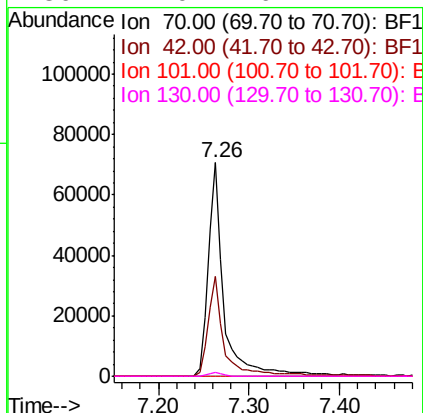
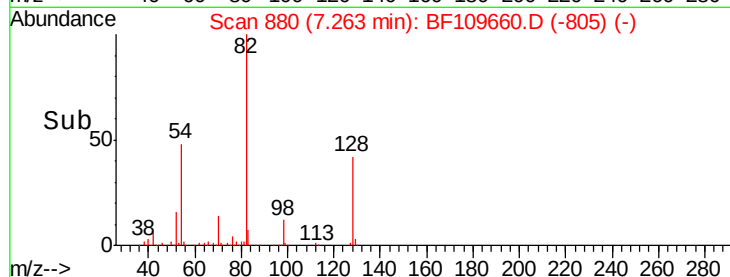
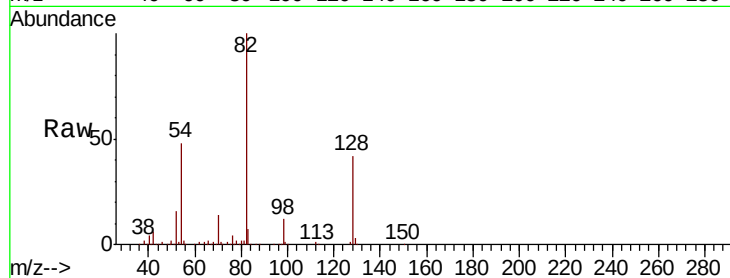




#19
n-Nitroso-di-n-propylamine
Concen: 16.151 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.14 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

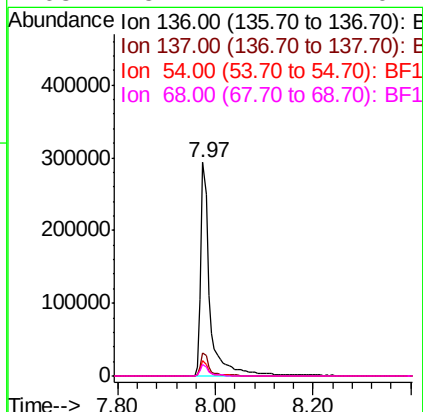
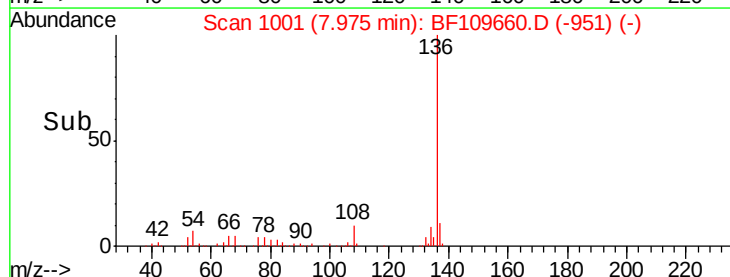
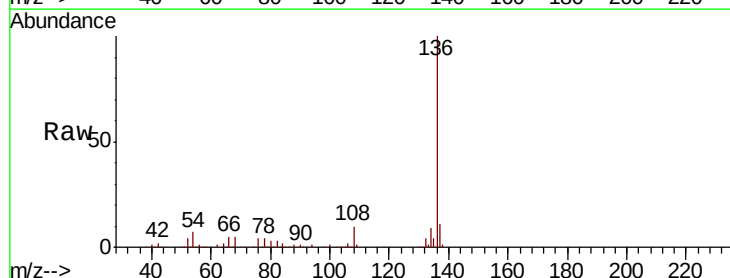
Instrument :
BNA_F
ClientSampleId :
PHASE-3-SOIL

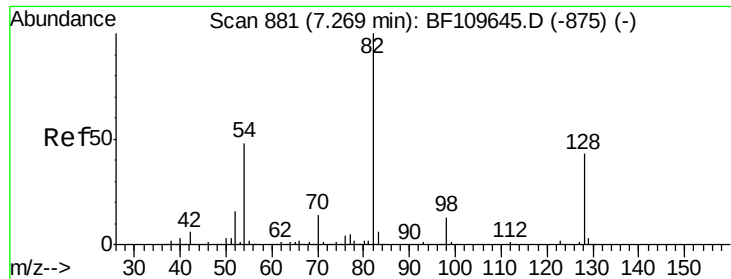
Tgt Ion: 70 Resp: 86128
Ion Ratio Lower Upper
70 100
42 46.8 47.4 71.2#
101 0.0 7.3 10.9#
130 2.0 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

Tgt Ion: 136 Resp: 384991
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.2 5.4 8.2
68 5.4 4.2 6.2

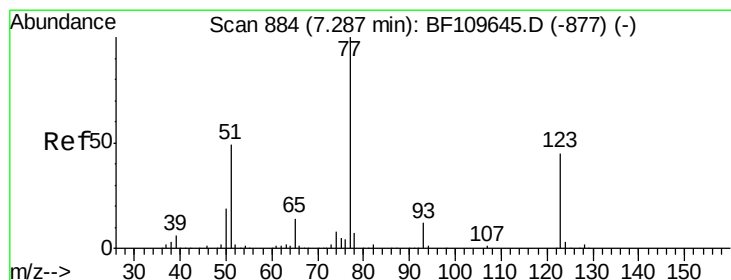
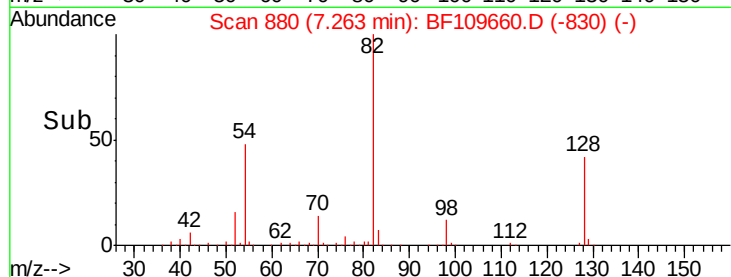
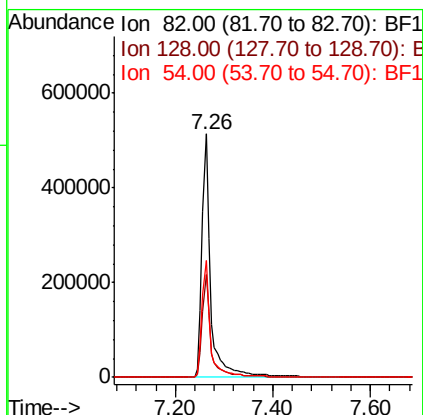
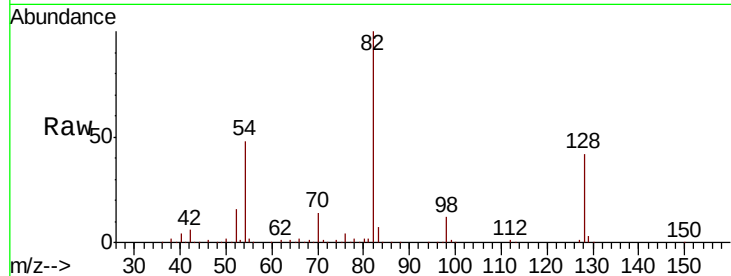




#23
 Nitrobenzene-d5
 Concen: 92.500 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF109660.D
 Acq: 8 Oct 2018 21:01

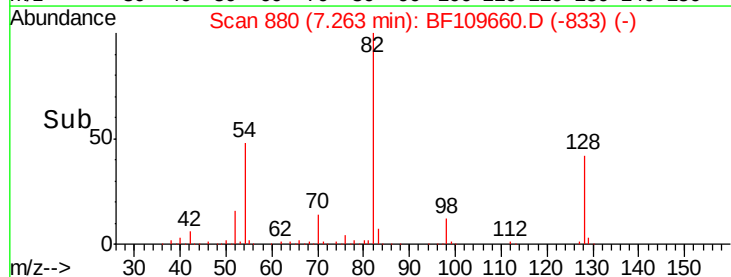
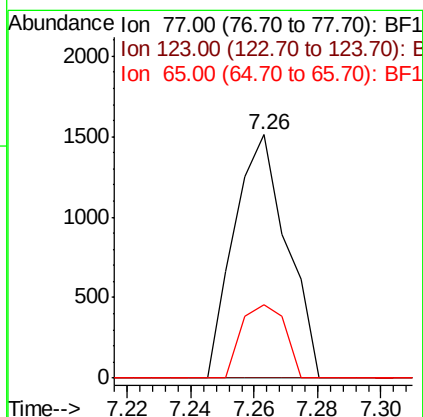
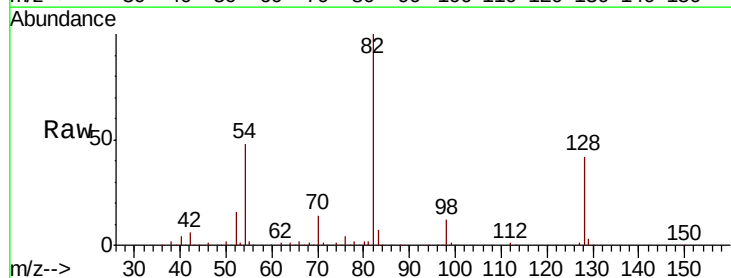
Instrument :
 BNA_F
 ClientSampleId :
 PHASE-3-SOIL

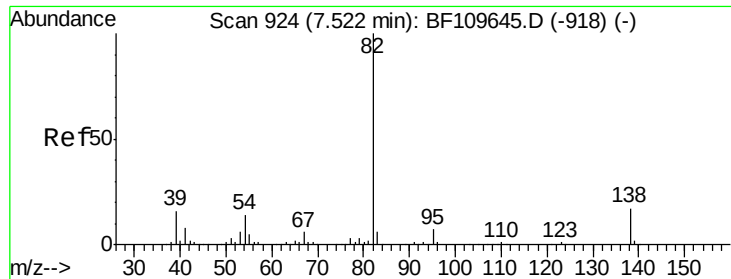
Tgt Ion: 82 Resp: 646033
 Ion Ratio Lower Upper
 82 100
 128 42.1 34.2 51.2
 54 47.9 38.6 58.0



#24
 Nitrobenzene
 Concen: 0.240 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109660.D
 Acq: 8 Oct 2018 21:01

Tgt Ion: 77 Resp: 1741
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.7 53.5#
 65 30.3 10.7 16.1#





#25

Isophorone

Concen: 55.737 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

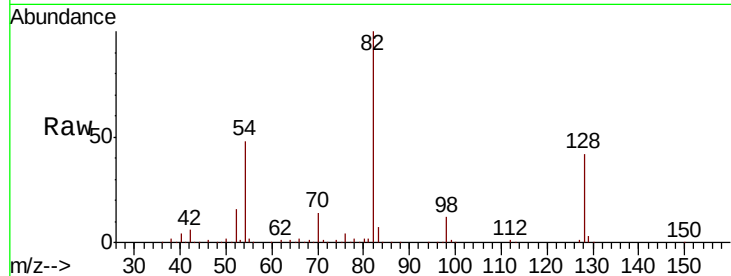
Tgt Ion: 82 Resp: 646415

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

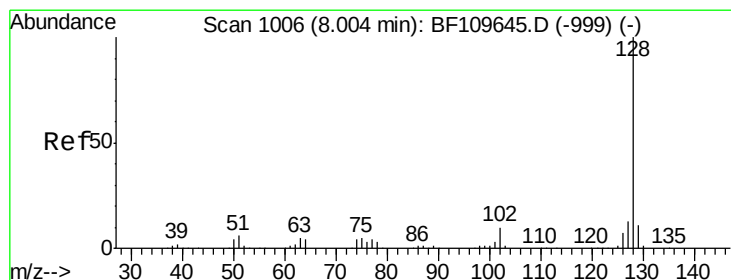
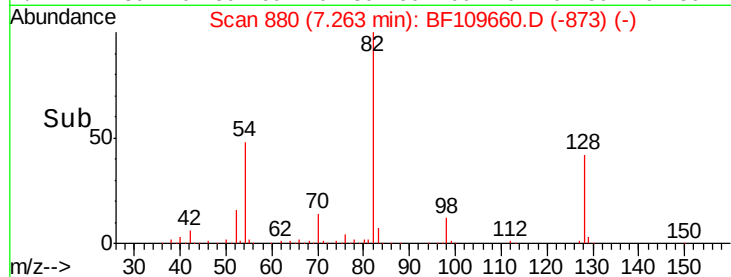
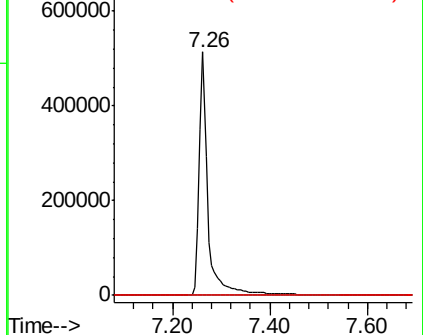
138 0.0 13.2 19.8#



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



#31

Naphthalene

Concen: 0.335 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

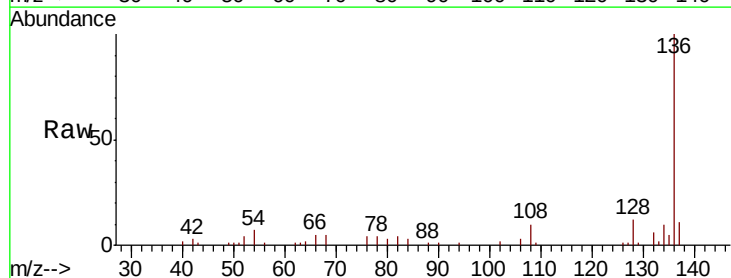
Tgt Ion: 128 Resp: 5969

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

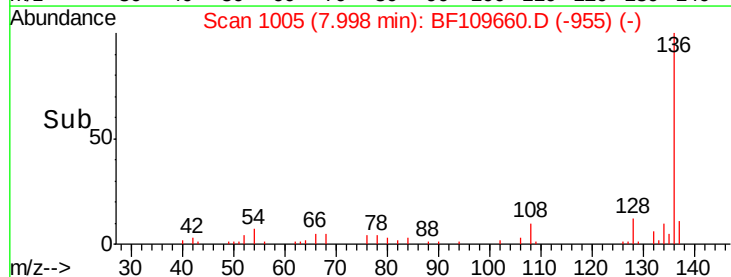
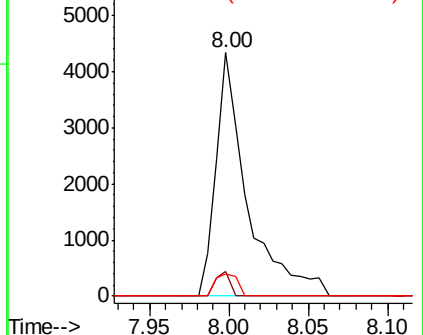
127 9.3 10.8 16.2#

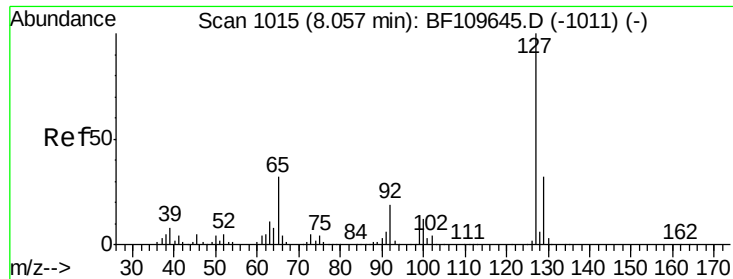


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

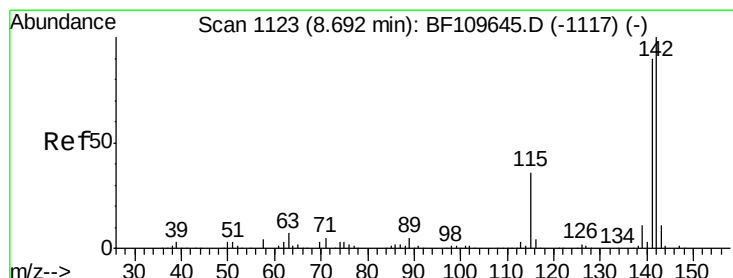
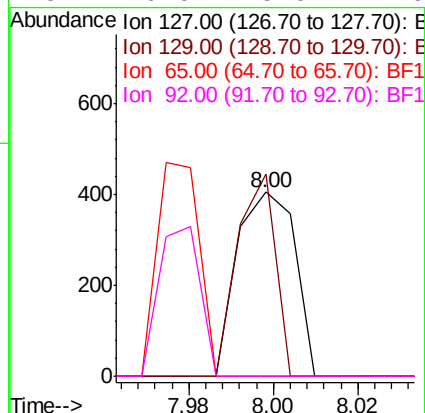
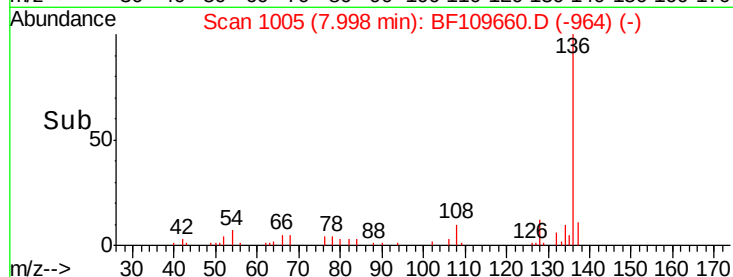
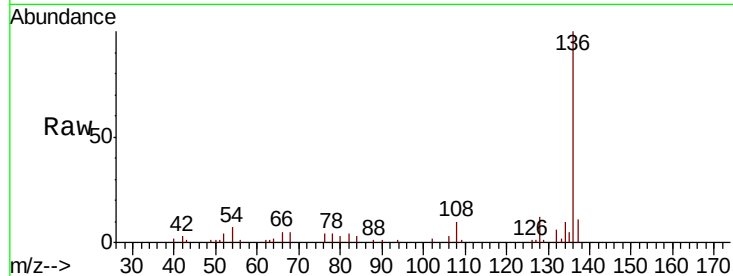




#33
4-Chloroaniline
Concen: 0.049 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.06 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

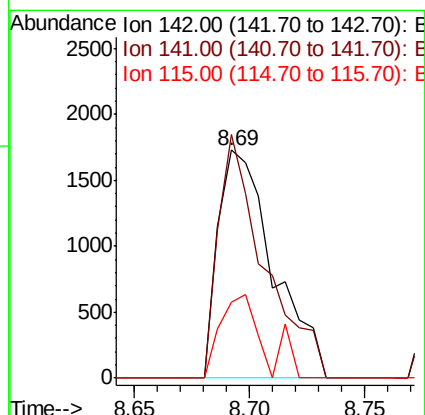
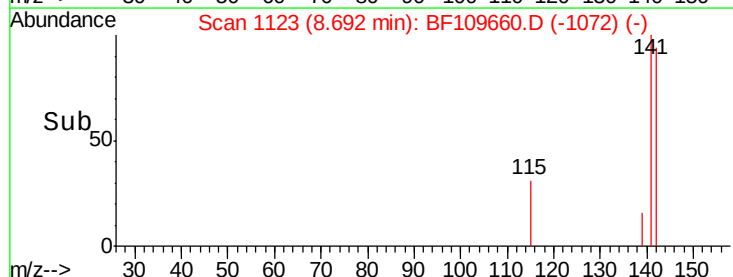
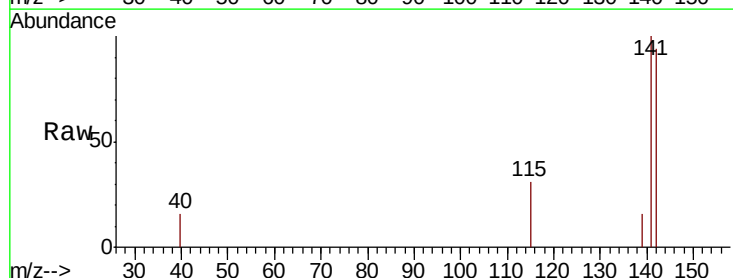
Instrument :
BNA_F
ClientSampleId :
PHASE-3-SOIL

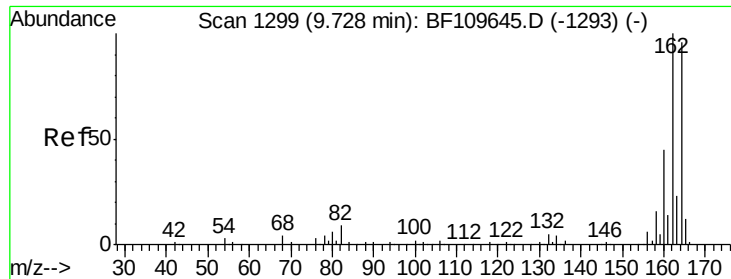
Tgt Ion:	127	Resp:	385
Ion	Ratio	Lower	Upper
127	100		
129	109.6	26.0	39.0#
65	0.0	25.1	37.7#
92	0.0	15.0	22.6#



#37
2-Methylnaphthalene
Concen: 0.246 ng
RT: 8.69 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

Tgt Ion:	142	Resp:	2874
Ion	Ratio	Lower	Upper
142	100		
141	106.7	71.4	107.2
115	33.2	28.7	43.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

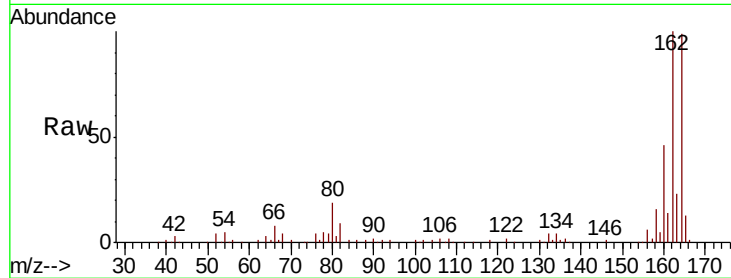
Tgt Ion:164 Resp: 152986

Ion Ratio Lower Upper

164 100

162 101.2 83.0 124.6

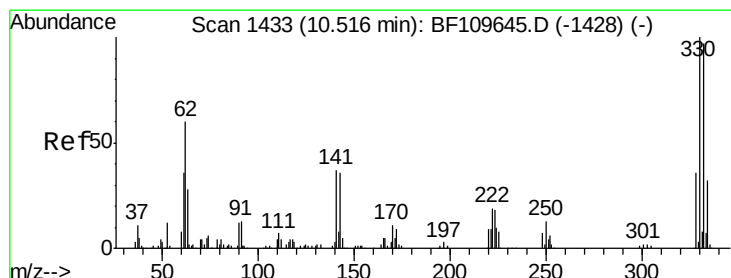
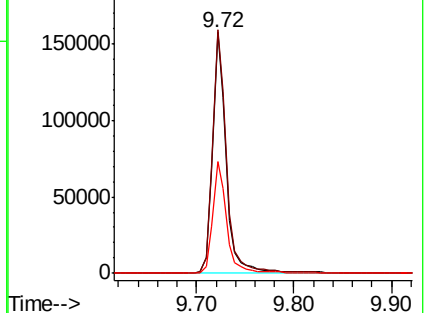
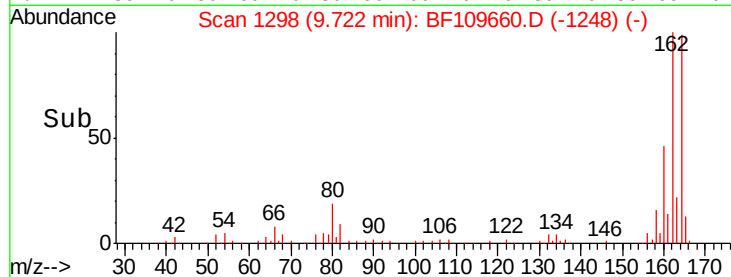
160 46.4 37.0 55.6



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



#41

2,4,6-Tribromophenol

Concen: 111.915 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

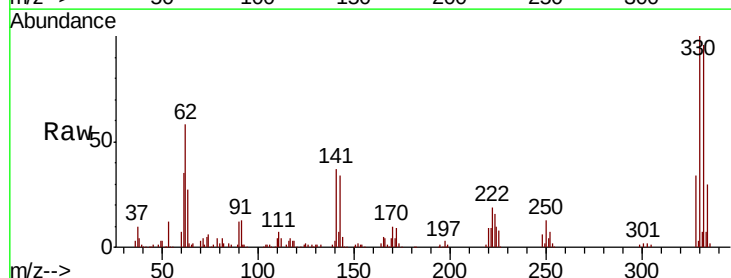
Tgt Ion:330 Resp: 186556

Ion Ratio Lower Upper

330 100

332 95.9 77.1 115.7

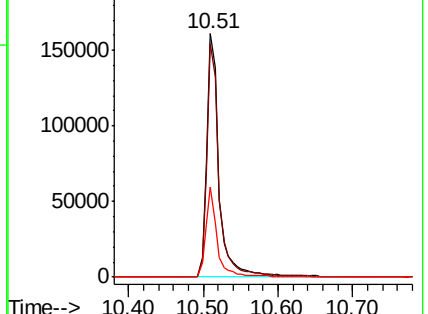
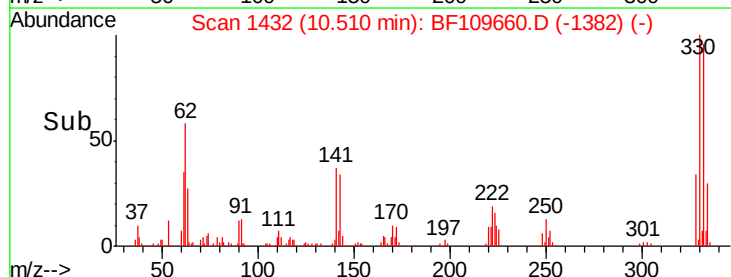
141 34.6 27.0 40.4

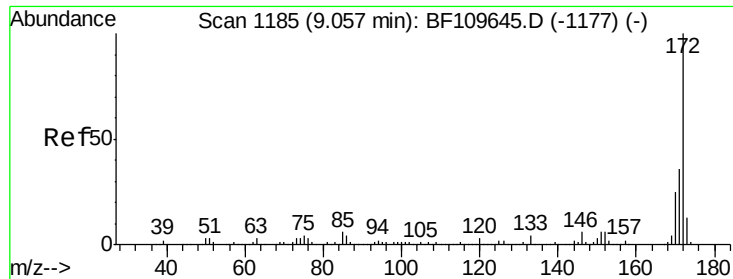


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

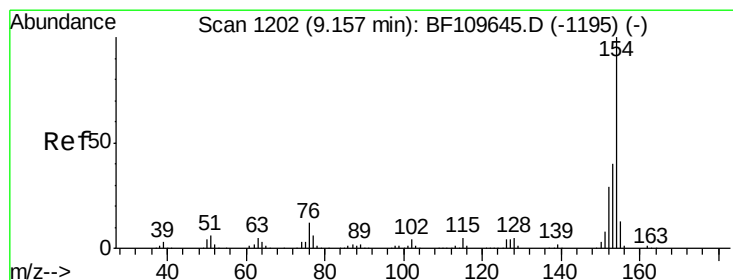
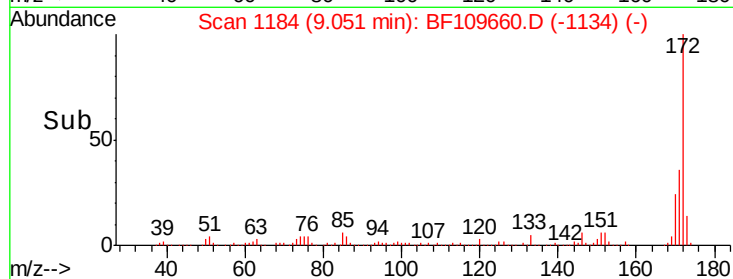
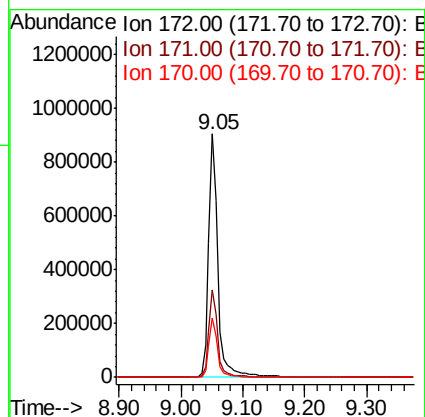
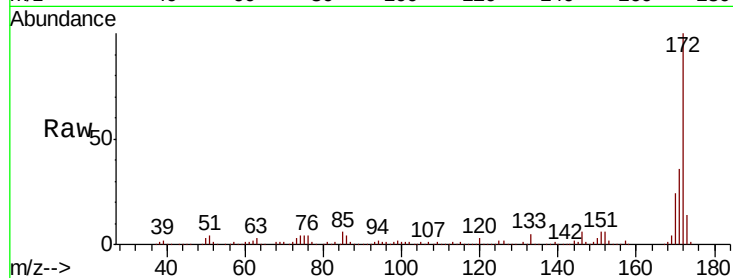




#44
 2-Fluorobiphenyl
 Concen: 85.582 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109660.D
 Acq: 8 Oct 2018 21:01

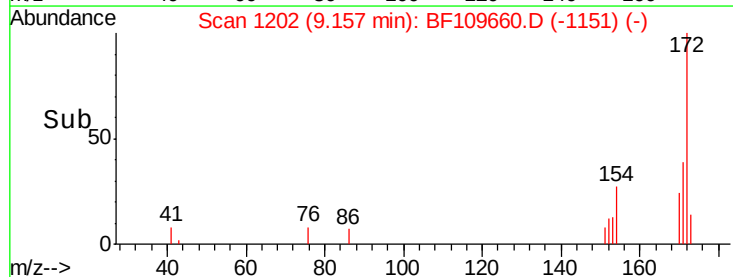
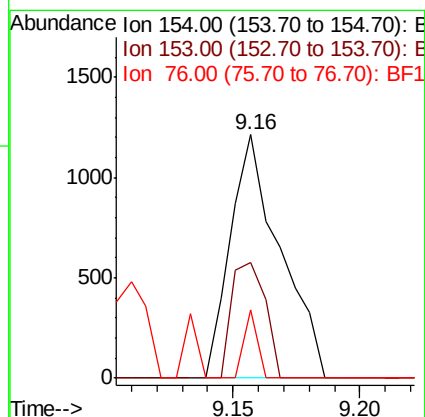
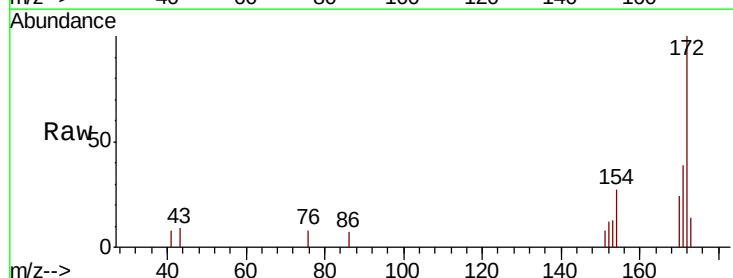
Instrument :
 BNA_F
 ClientSampleId :
 PHASE-3-SOIL

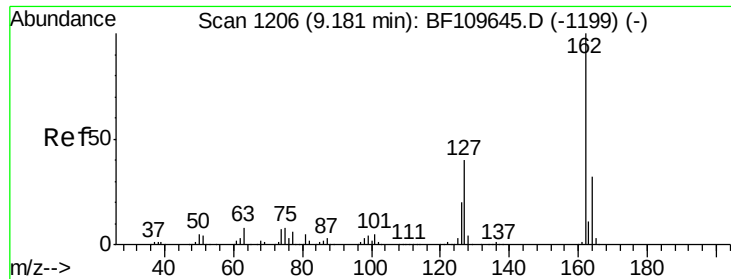
Tgt Ion:172 Resp: 950645
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.6 43.0
 170 24.4 19.7 29.5



#45
 1,1'-Biphenyl
 Concen: 0.121 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: BF109660.D
 Acq: 8 Oct 2018 21:01

Tgt Ion:154 Resp: 1656
 Ion Ratio Lower Upper
 154 100
 153 47.3 20.4 60.4
 76 27.8 0.0 31.9

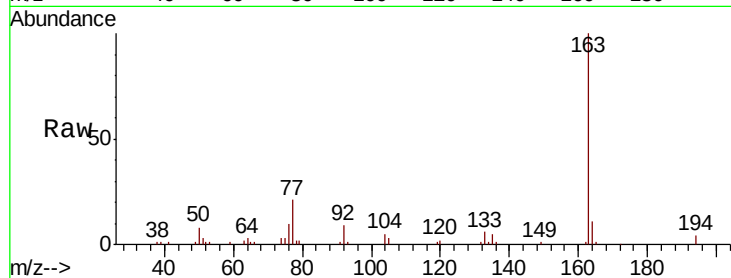




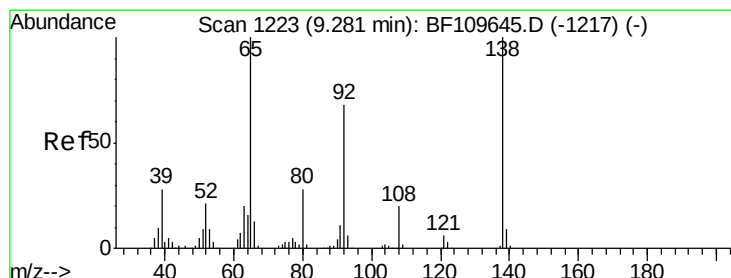
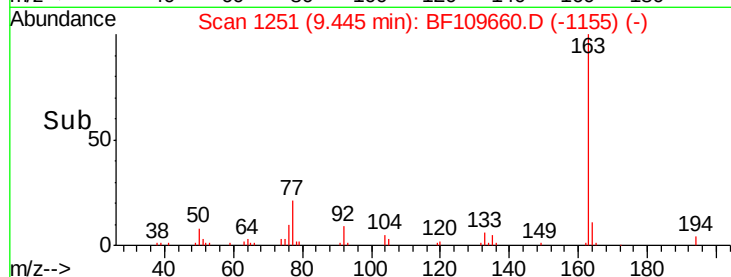
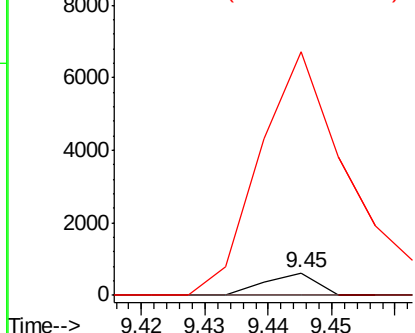
#46
 2-Chloronaphthalene
 Concen: 0.034 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. 0.26 min
 Lab File: BF109660.D
 Acq: 8 Oct 2018 21:01

Instrument :
 BNA_F
 ClientSampleId :
 PHASE-3-SOIL

Tgt Ion: 162 Resp: 351
 Ion Ratio Lower Upper
 162 100
 127 0.0 32.6 48.8#
 164 1094.6 25.9 38.9#

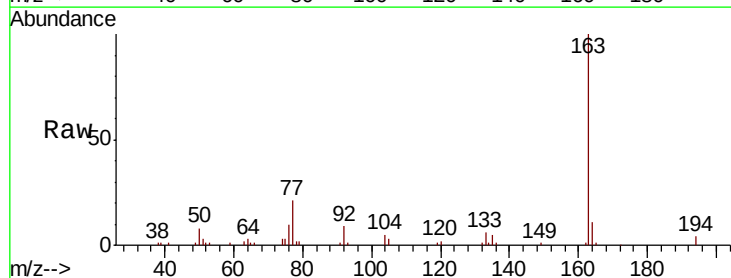


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

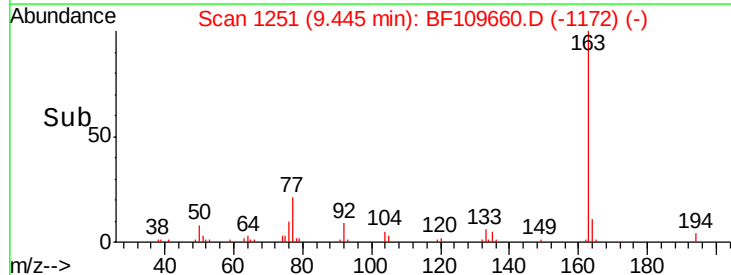
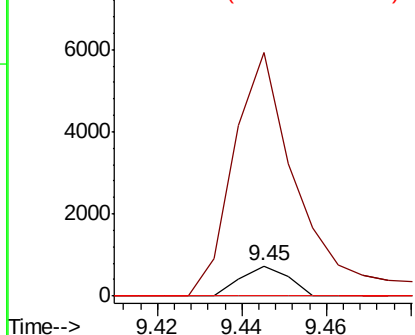


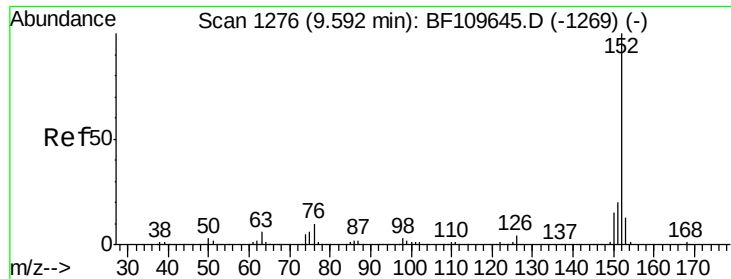
#47
 2-Nitroaniline
 Concen: 0.187 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. 0.16 min
 Lab File: BF109660.D
 Acq: 8 Oct 2018 21:01

Tgt Ion: 65 Resp: 580
 Ion Ratio Lower Upper
 65 100
 92 809.4 54.6 81.8#
 138 0.0 80.3 120.5#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.008 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

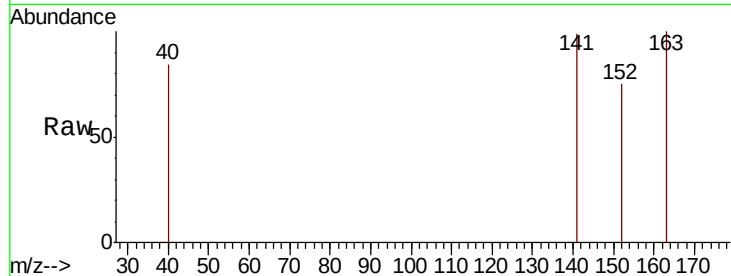
Tgt Ion:152 Resp: 115

Ion Ratio Lower Upper

152 100

151 0.0 15.8 23.8#

153 0.0 10.4 15.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

9.59

400

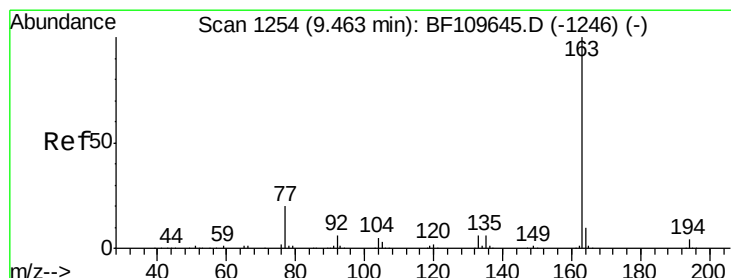
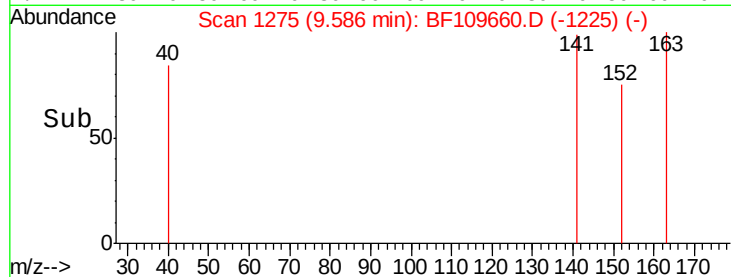
300

200

100

0

Time-->



#49

Dimethylphthalate

Concen: 6.460 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

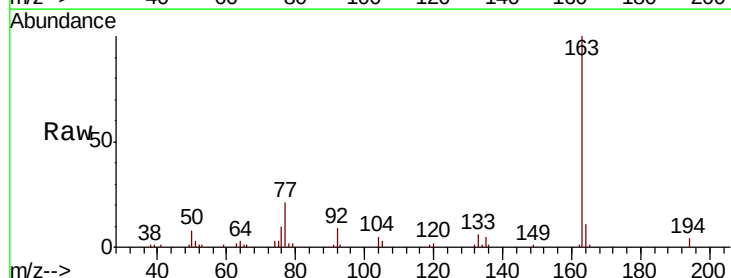
Tgt Ion:163 Resp: 72478

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

164 10.5 8.1 12.1



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

9.45

80000

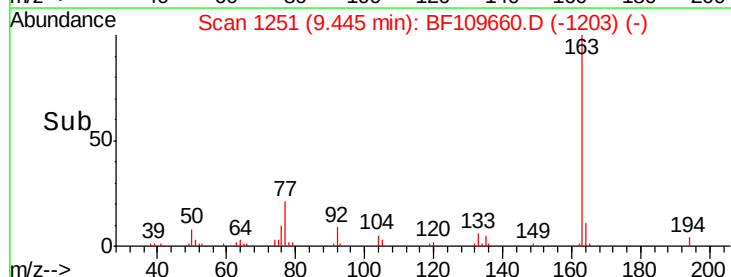
60000

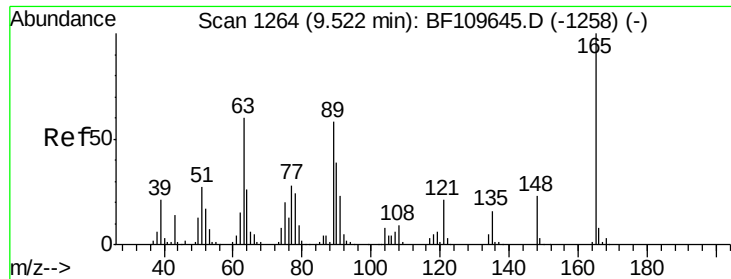
40000

20000

0

Time-->

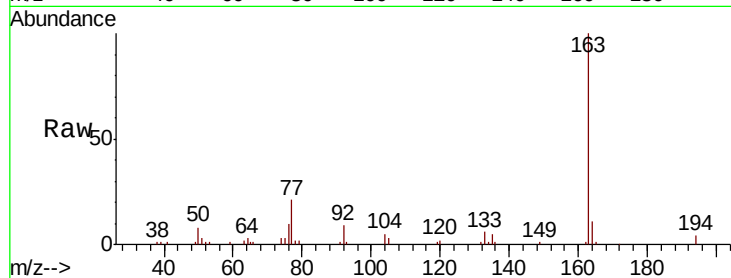




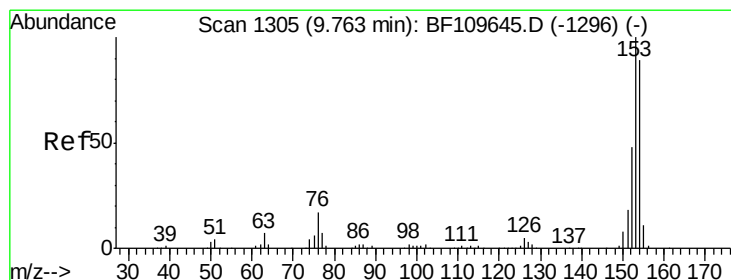
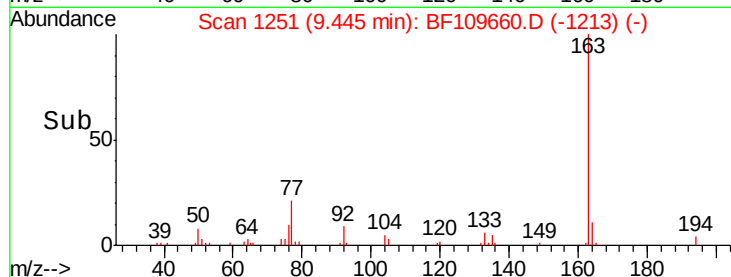
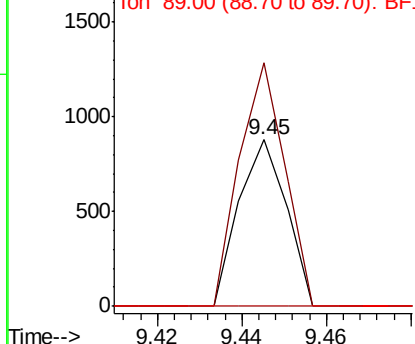
#50
2,6-Dinitrotoluene
Concen: 0.281 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.08 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

Instrument :
BNA_F
ClientSampleId :
PHASE-3-SOIL

Tgt Ion:165 Resp: 683
Ion Ratio Lower Upper
165 100
63 146.5 48.9 73.3#
89 0.0 46.6 69.8#

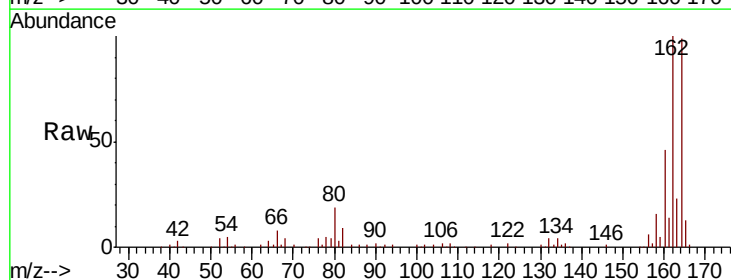


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

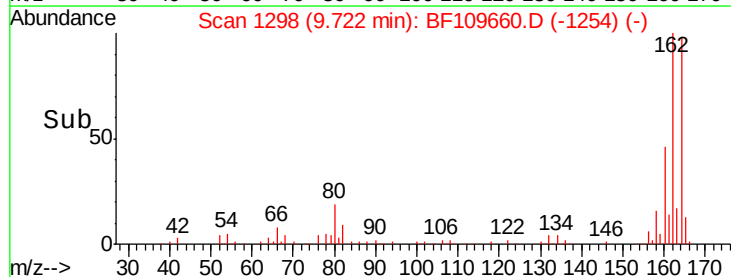
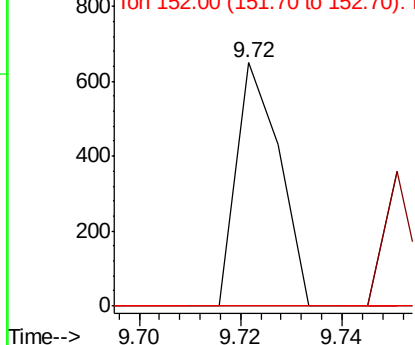


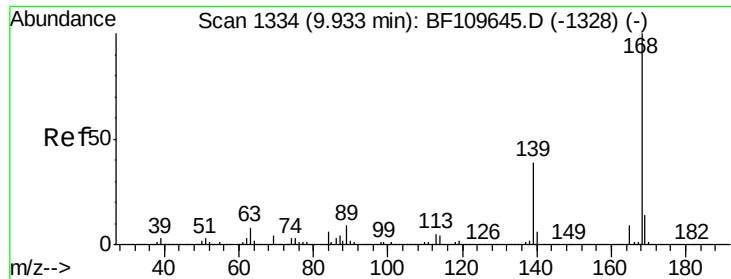
#51
Acenaphthene
Concen: 0.043 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.04 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

Tgt Ion:154 Resp: 382
Ion Ratio Lower Upper
154 100
153 0.0 90.1 135.1#
152 0.0 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

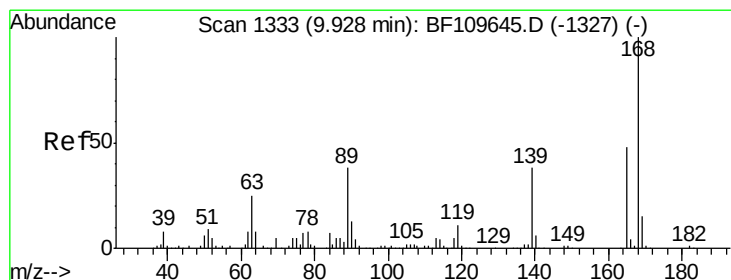
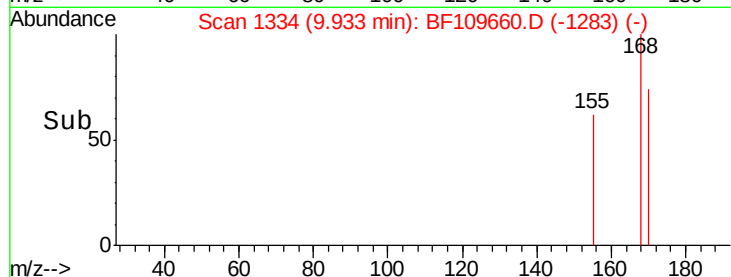
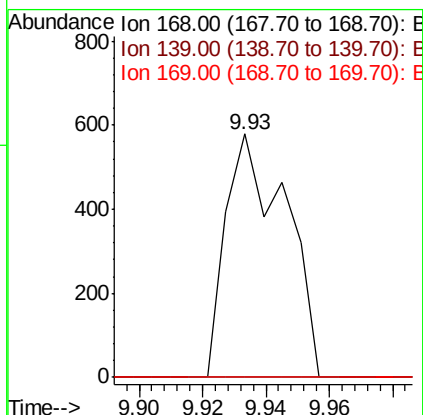
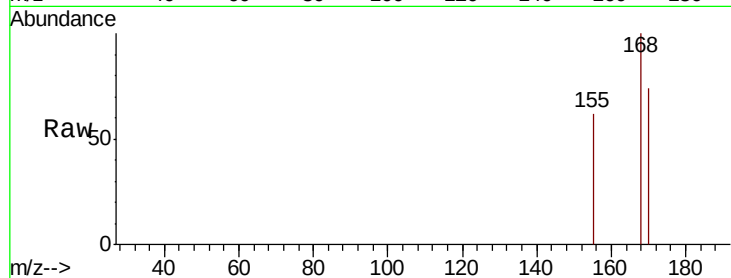




#54
Dibenzofuran
Concen: 0.057 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

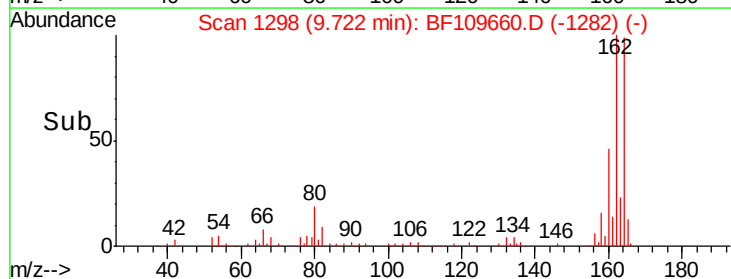
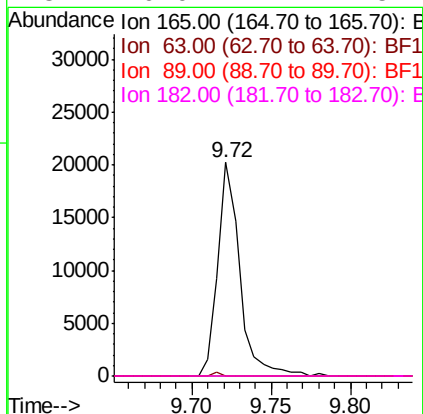
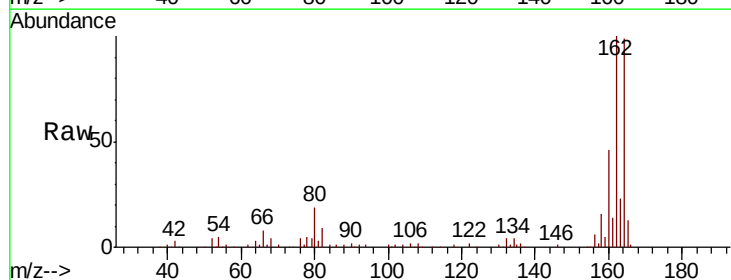
Instrument :
BNA_F
ClientSampleId :
PHASE-3-SOIL

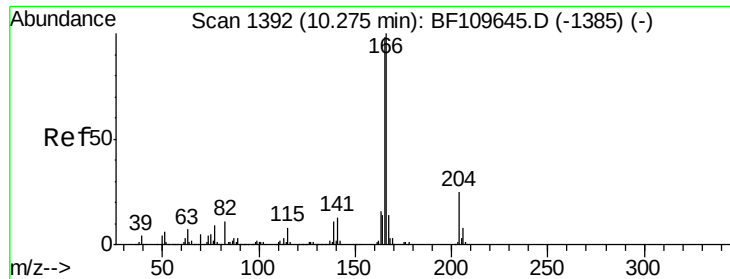
Tgt Ion:168 Resp: 756
Ion Ratio Lower Upper
168 100
139 0.0 33.0 49.6#
169 0.0 11.3 16.9#



#56
2,4-Dinitrotoluene
Concen: 6.443 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

Tgt Ion:165 Resp: 19555
Ion Ratio Lower Upper
165 100
63 0.0 44.8 67.2#
89 0.0 62.2 93.4#
182 0.0 2.1 3.1#





#57

Fluorene

Concen: 0.724 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.24 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

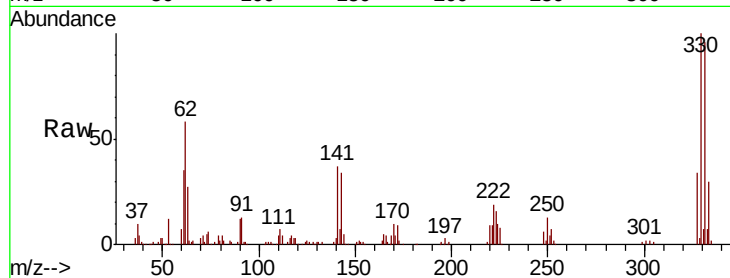
Tgt Ion:166 Resp: 7172

Ion Ratio Lower Upper

166 100

165 100.7 78.6 117.8

167 32.3 10.8 16.2#

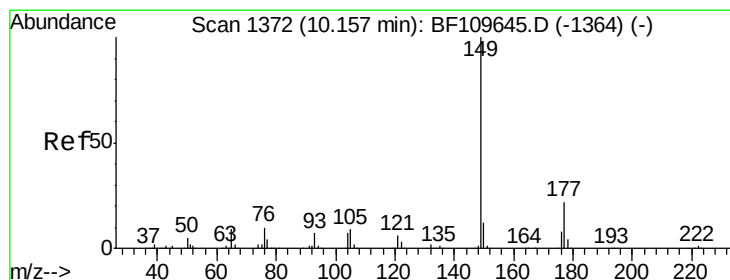
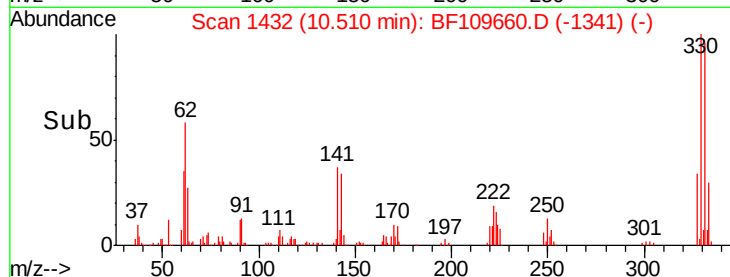
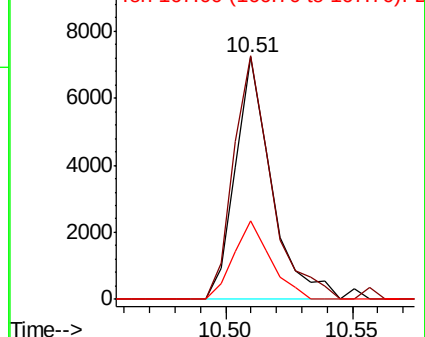


Abundance

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



#59

Diethylphthalate

Concen: 0.084 ng

RT: 10.15 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

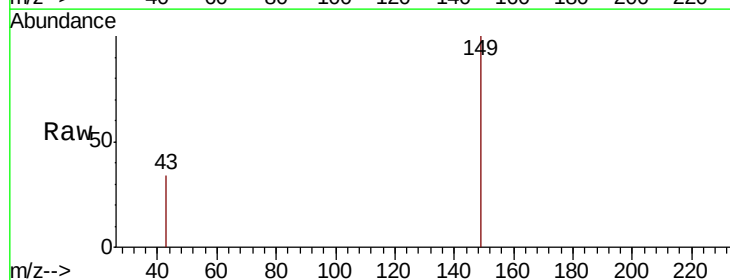
Tgt Ion:149 Resp: 933

Ion Ratio Lower Upper

149 100

177 0.0 17.4 26.2#

150 0.0 9.8 14.8#

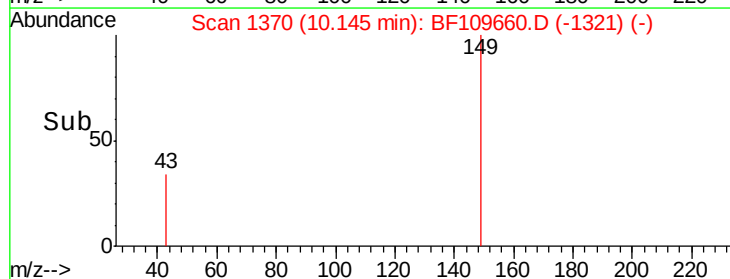
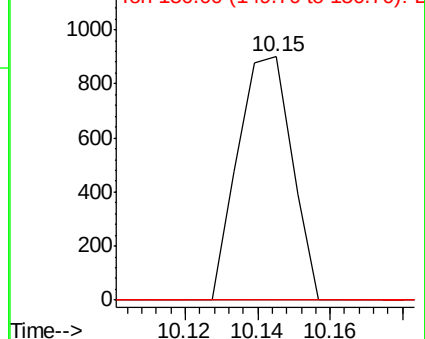


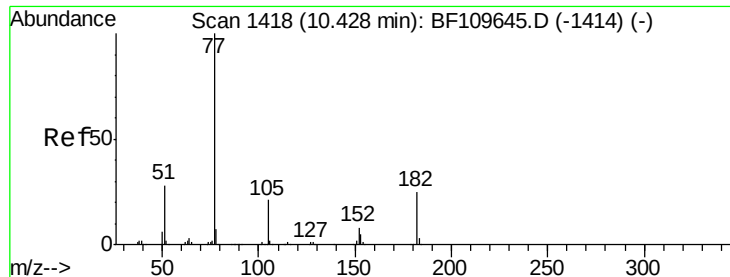
Abundance

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





#62

Azobenzene

Concen: 0.069 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.08 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

Tgt Ion: 77 Resp: 776

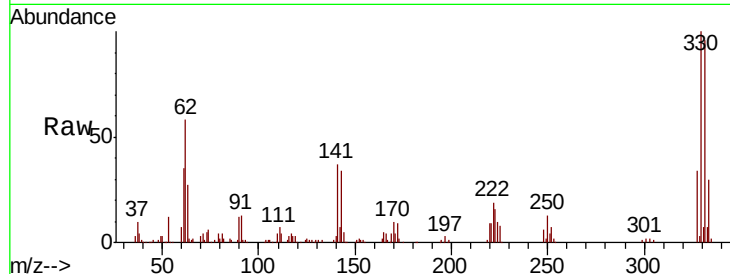
Ion Ratio Lower Upper

77 100

182 46.2 4.3 44.3#

105 79.5 1.3 41.3#

51 66.6 9.0 49.0#

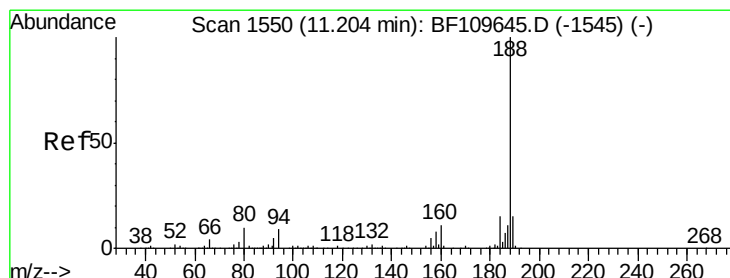
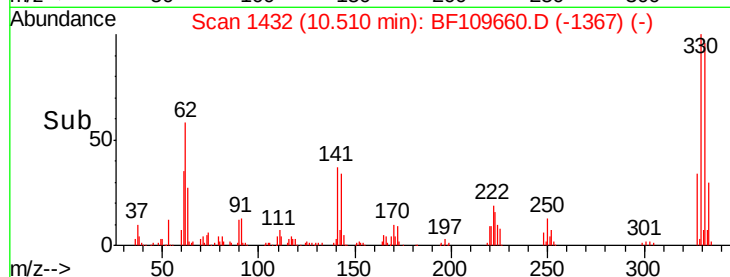
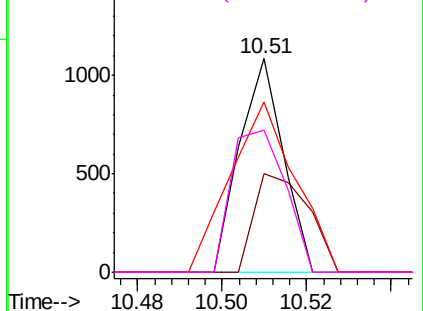


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

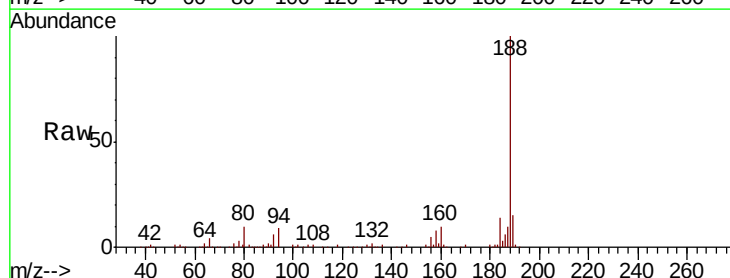
Tgt Ion: 188 Resp: 244108

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

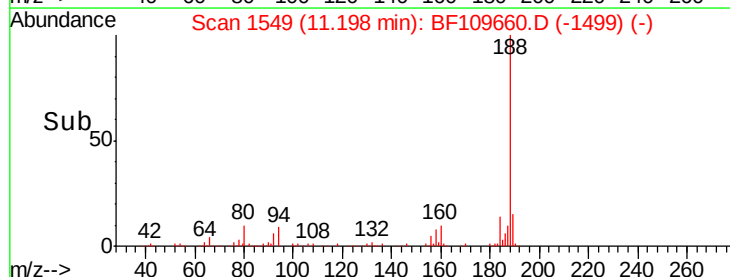
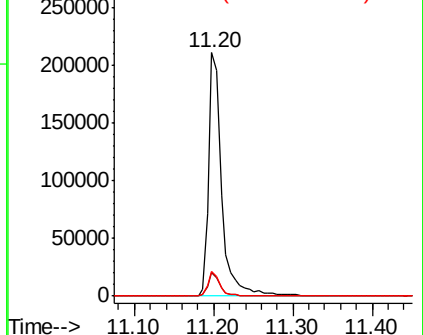
80 9.9 7.9 11.9

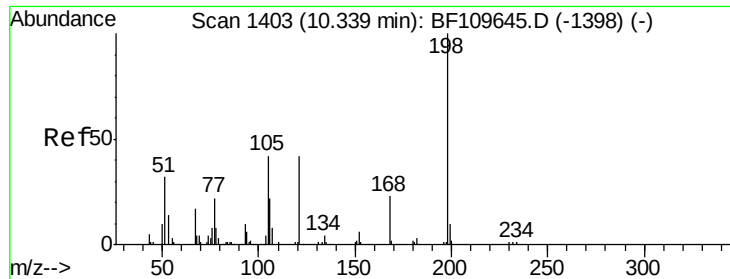


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

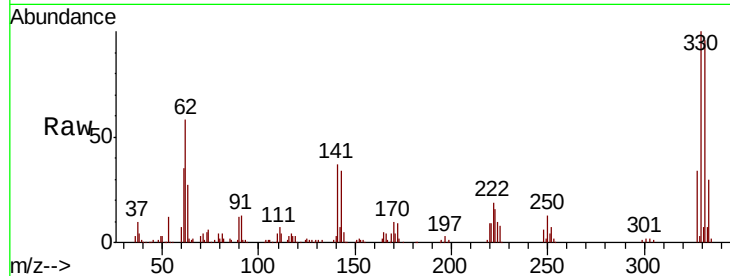




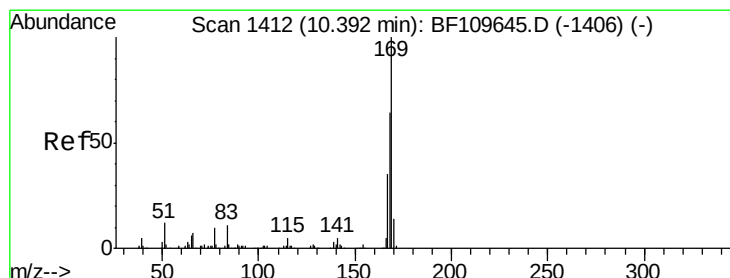
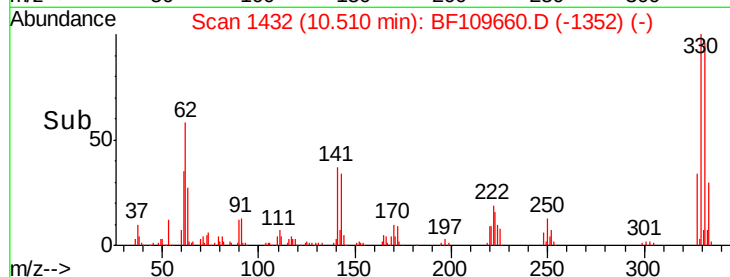
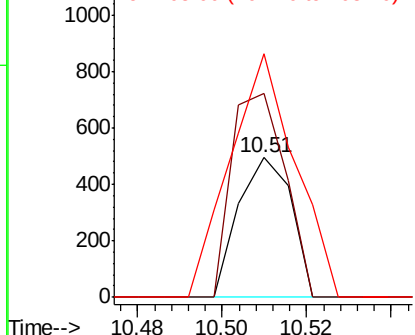
#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.364 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.17 min
 Lab File: BF109660.D
 Acq: 8 Oct 2018 21:01

Instrument :
 BNA_F
 ClientSampleId :
 PHASE-3-SOIL

Tgt Ion:198 Resp: 432
 Ion Ratio Lower Upper
 198 100
 51 146.1 22.8 62.8#
 105 174.3 23.6 63.6#

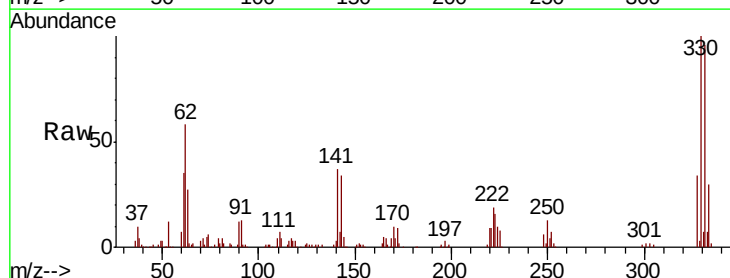


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

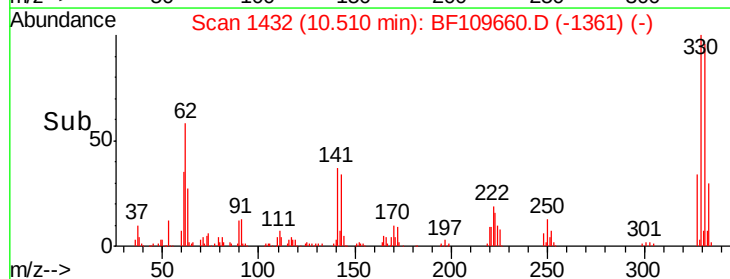
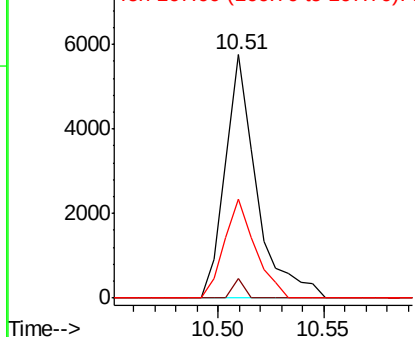


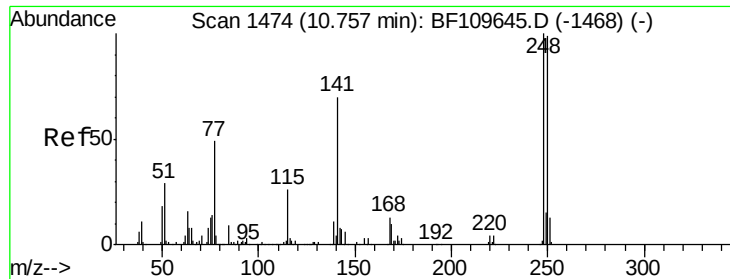
#65
 n-Nitrosodiphenylamine
 Concen: 0.716 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.12 min
 Lab File: BF109660.D
 Acq: 8 Oct 2018 21:01

Tgt Ion:169 Resp: 5927
 Ion Ratio Lower Upper
 169 100
 168 7.9 51.2 76.8#
 167 40.5 27.8 41.6



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

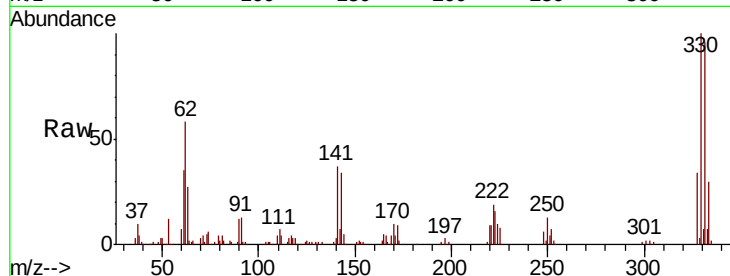




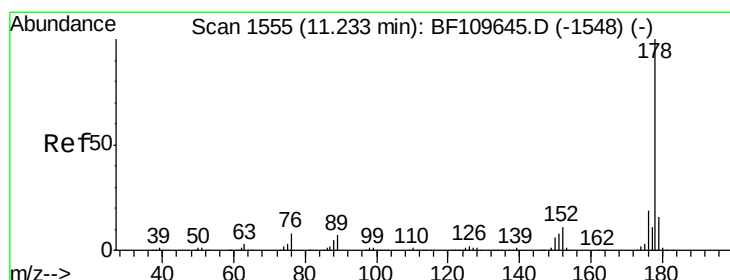
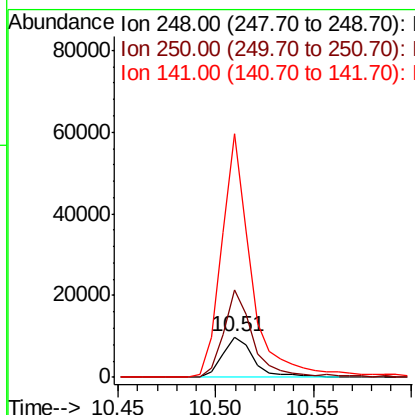
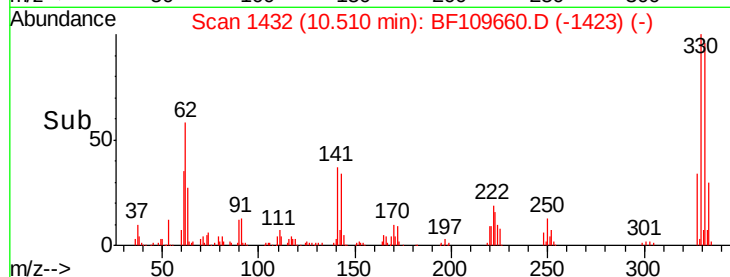
#66
 4-Bromophenyl-phenylether
 Concen: 3.944 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF109660.D
 Acq: 8 Oct 2018 21:01

Instrument :
 BNA_F
 ClientSampleId :
 PHASE-3-SOIL

Tgt Ion: 248 Resp: 11061
 Ion Ratio Lower Upper
 248 100
 250 216.5 79.4 119.2#
 141 606.1 55.9 83.9#

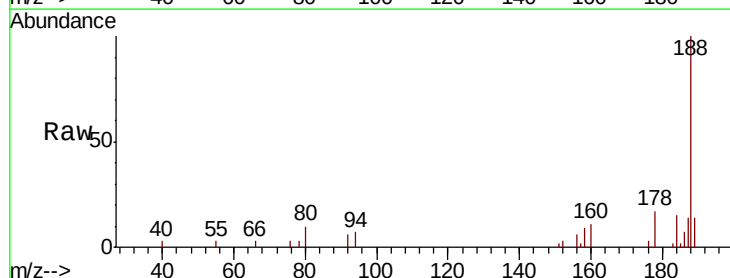


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

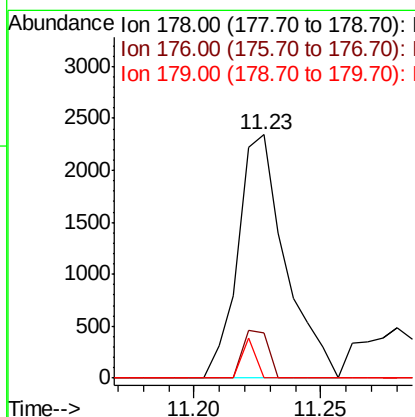
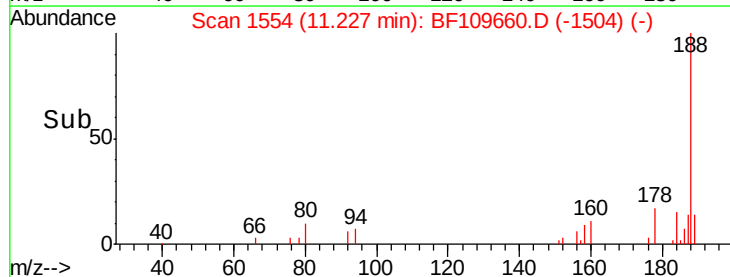


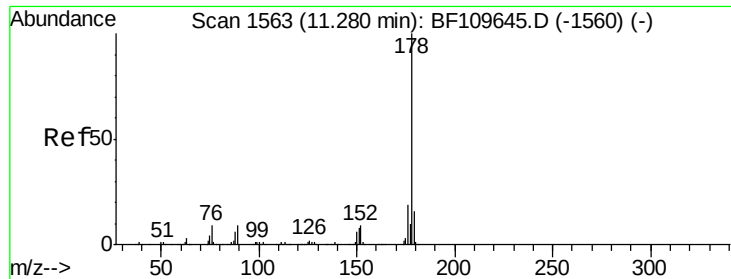
#70
 Phenanthrene
 Concen: 0.250 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF109660.D
 Acq: 8 Oct 2018 21:01

Tgt Ion: 178 Resp: 3059
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.5 23.3
 179 0.0 12.5 18.7#



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





#71

Anthracene

Concen: 0.064 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.00 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

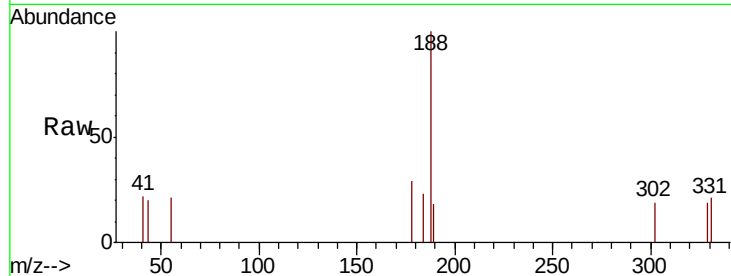
Tgt Ion:178 Resp: 813

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

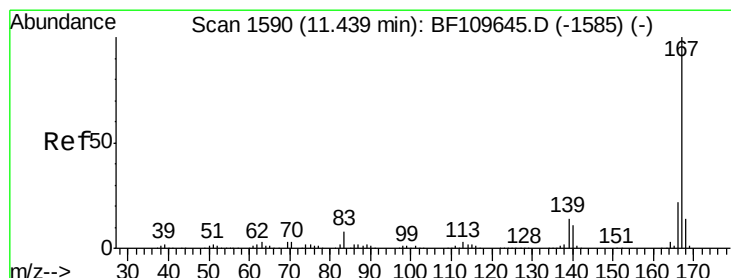
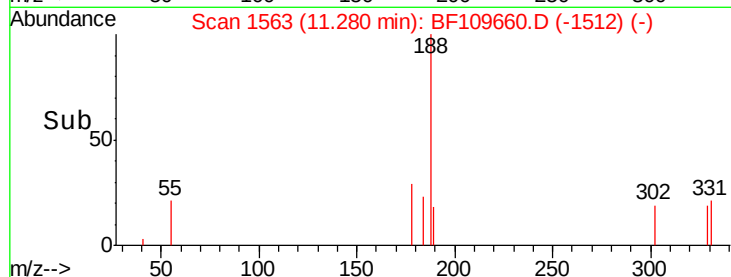
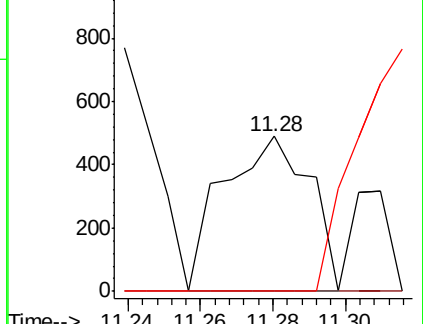
179 0.0 12.6 18.8#



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



#72

Carbazole

Concen: 0.010 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.02 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

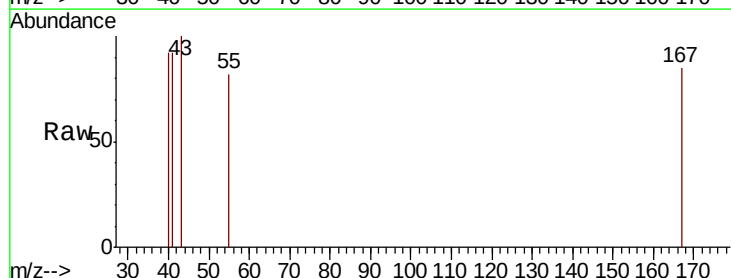
Tgt Ion:167 Resp: 124

Ion Ratio Lower Upper

167 100

166 0.0 17.4 26.0#

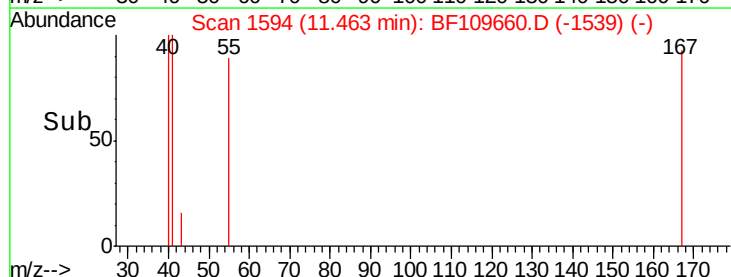
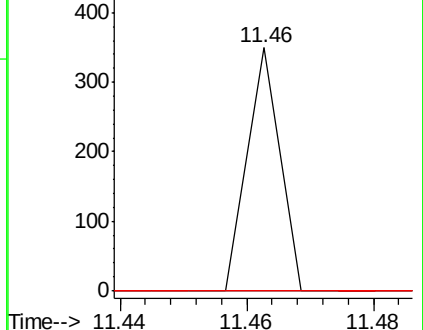
139 0.0 10.9 16.3#

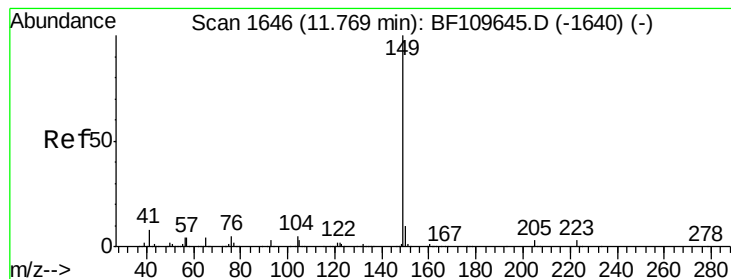


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.146 ng

RT: 11.76 min Scan# 1645

Delta R.T. -0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

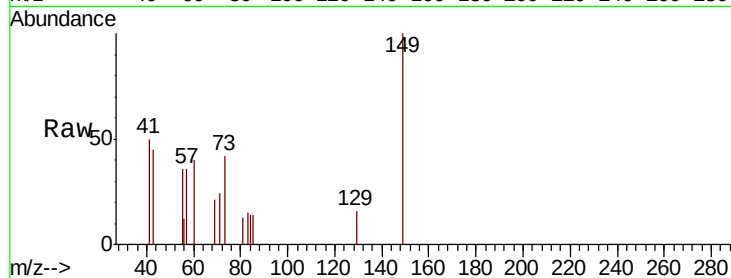
Tgt Ion:149 Resp: 2079

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

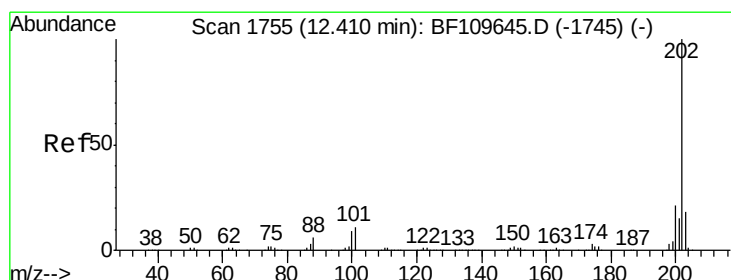
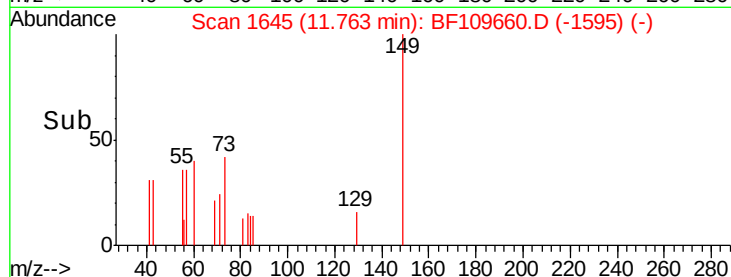
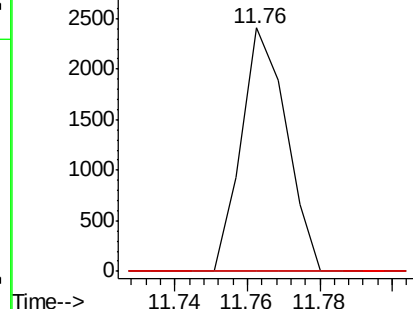
104 0.0 4.2 6.4#



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: 0.246 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

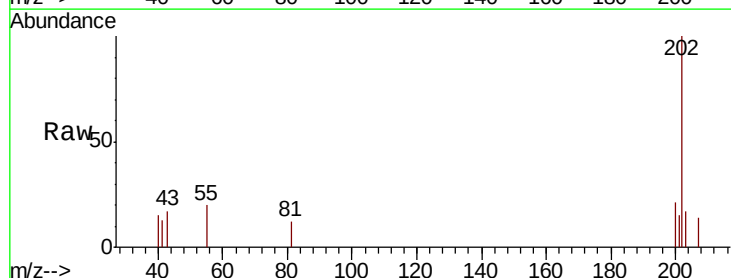
Tgt Ion:202 Resp: 3140

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.4

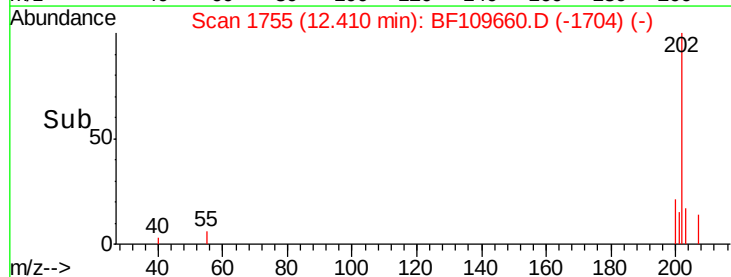
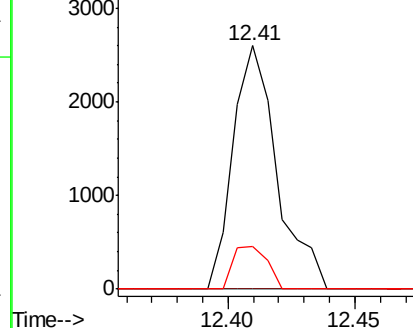
203 17.5 0.0 37.7

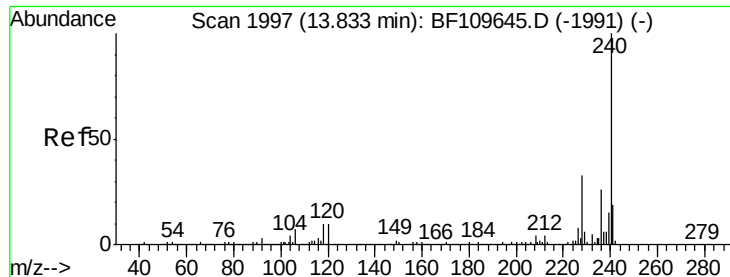


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

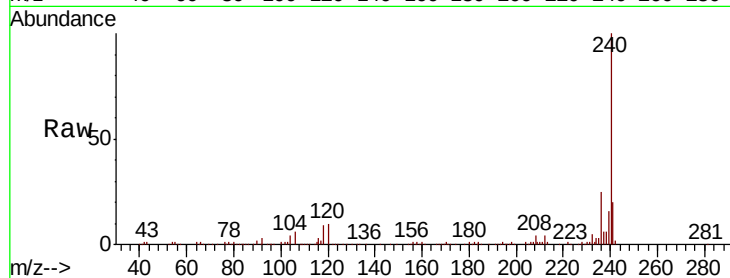
Tgt Ion:240 Resp: 212166

Ion Ratio Lower Upper

240 100

120 10.0 8.3 12.5

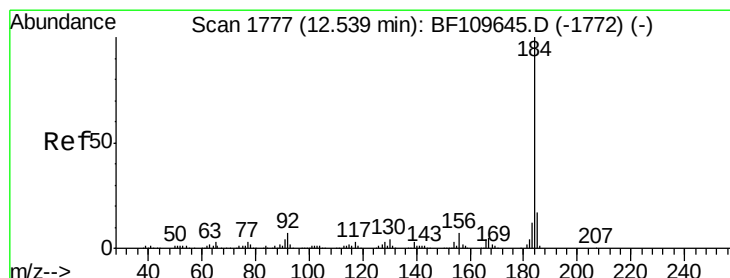
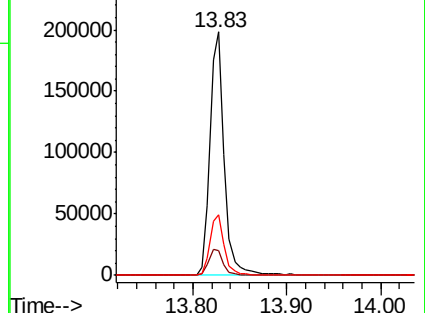
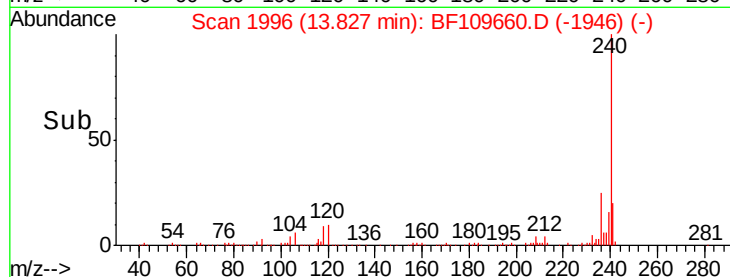
236 24.9 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 1.103 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.24 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

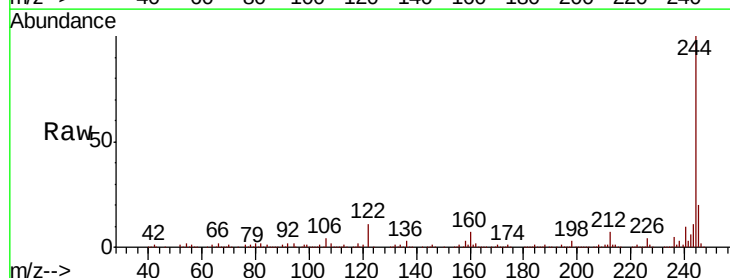
Tgt Ion:184 Resp: 8691

Ion Ratio Lower Upper

184 100

185 15.7 13.4 20.2

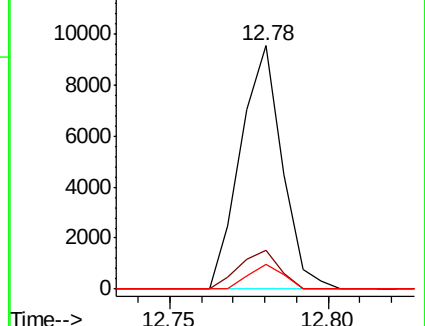
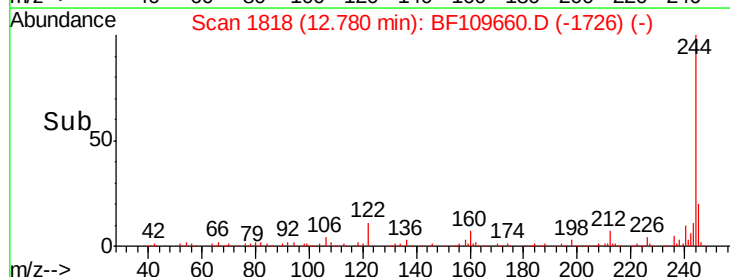
183 10.1 9.4 14.2

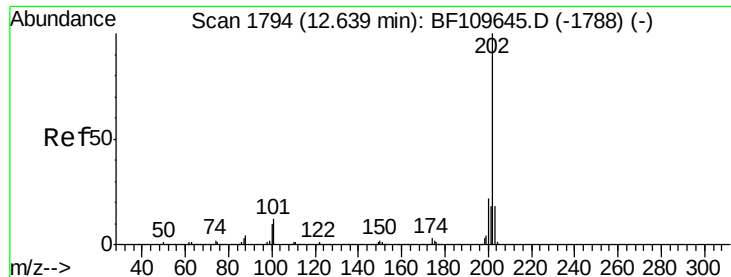


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 0.216 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

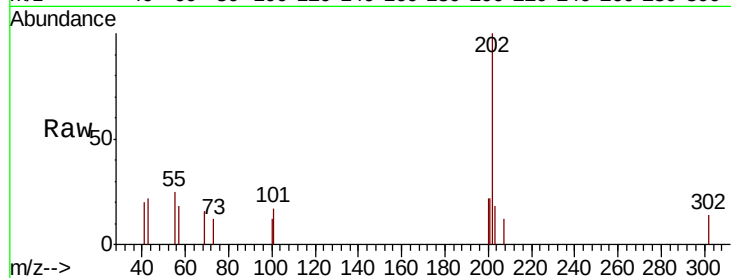
Tgt Ion:202 Resp: 3350

Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.6

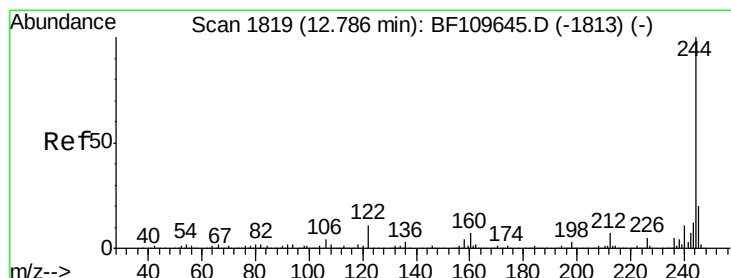
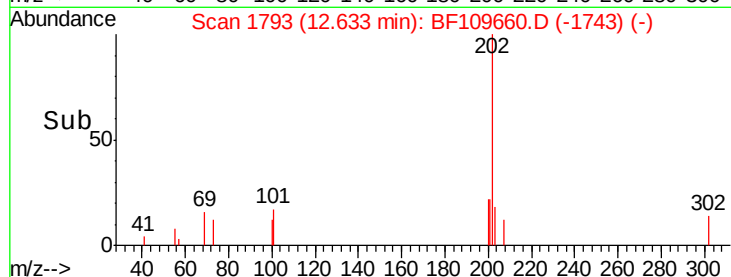
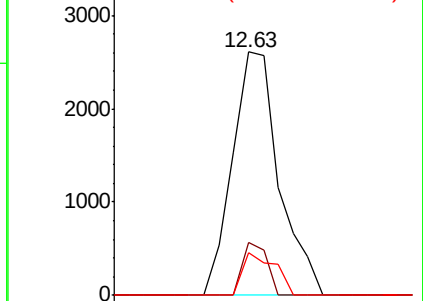
203 17.6 14.2 21.4



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: 58.786 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

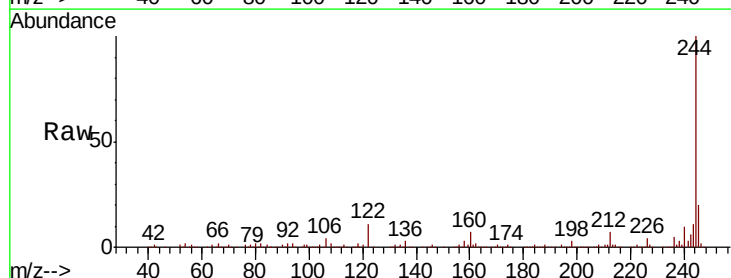
Tgt Ion:244 Resp: 644293

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

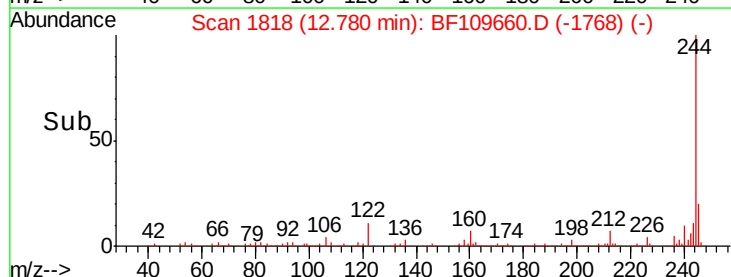
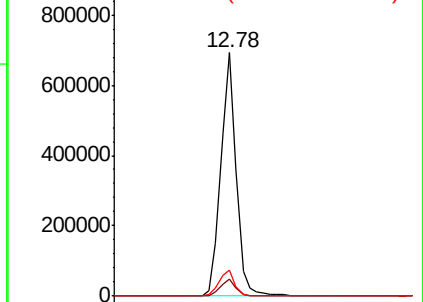
122 10.7 8.7 13.1

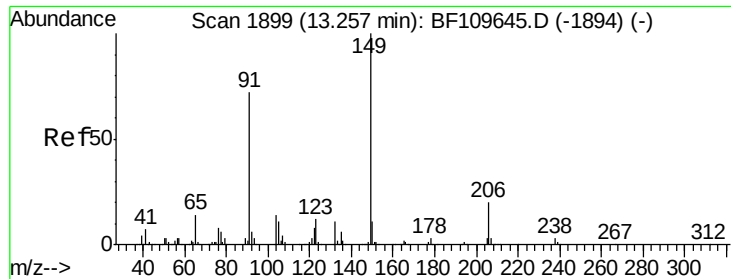


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 0.128 ng

RT: 13.25 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

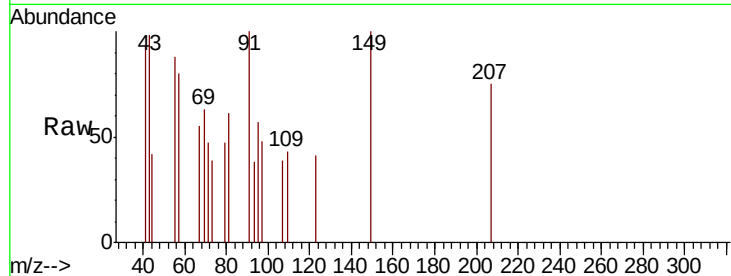
Instrument :

BNA_F

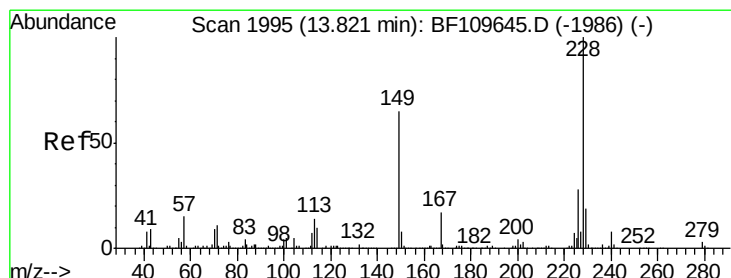
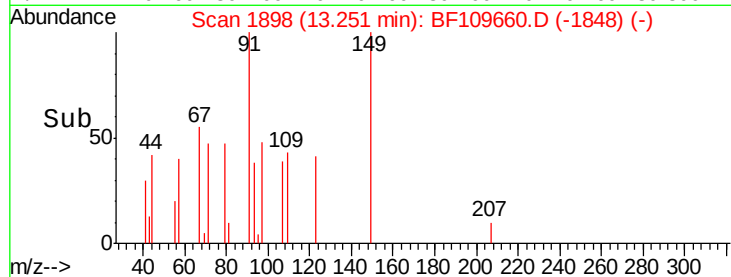
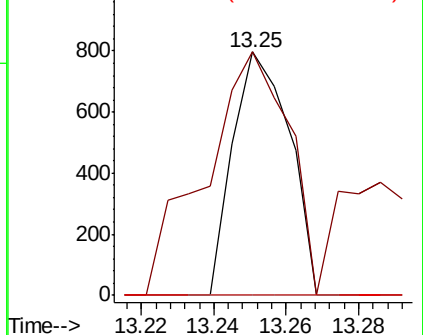
ClientSampleId :

PHASE-3-SOIL

Tgt Ion:	149	Resp:	865
Ion Ratio	Lower	Upper	
149	100		
91	100.0	57.2	85.8#
206	0.0	15.7	23.5#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 0.207 ng

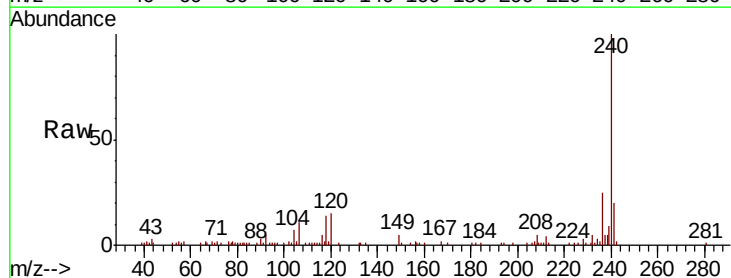
RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

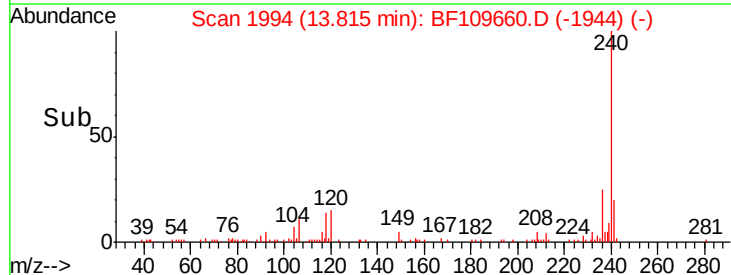
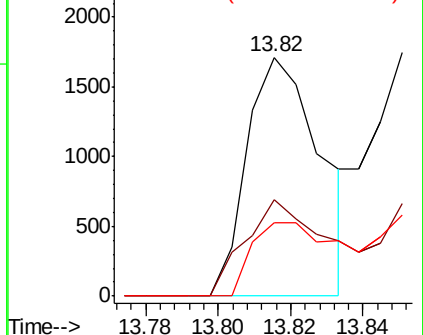
Lab File: BF109660.D

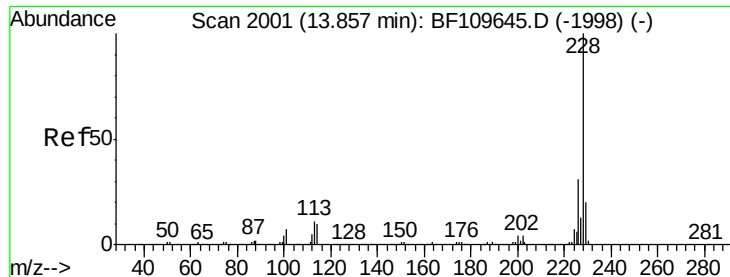
Acq: 8 Oct 2018 21:01

Tgt Ion:	228	Resp:	2419
Ion Ratio	Lower	Upper	
228	100		
226	40.5	22.1	33.1#
229	31.0	15.6	23.4#



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





#82

Chrysene

Concen: 0.181 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

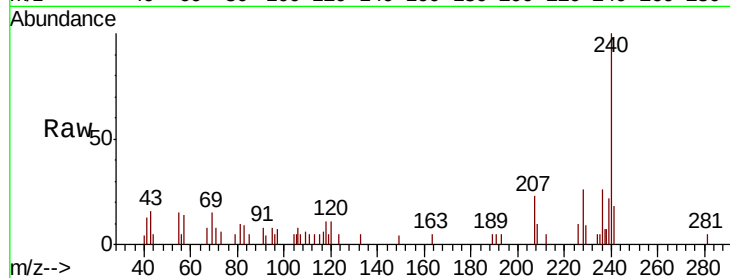
Tgt Ion:228 Resp: 2223

Ion Ratio Lower Upper

228 100

226 37.8 24.7 37.1#

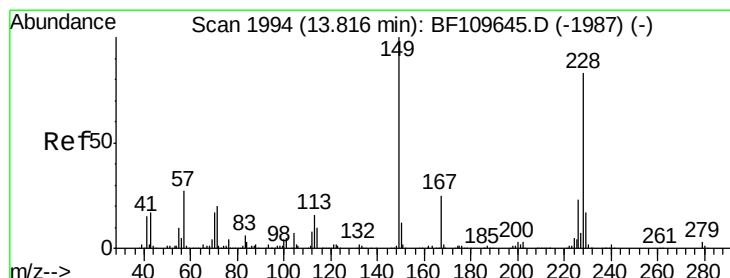
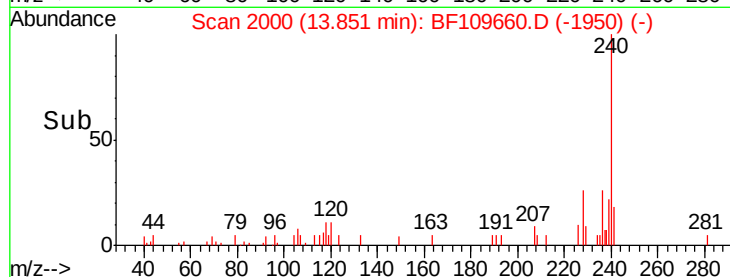
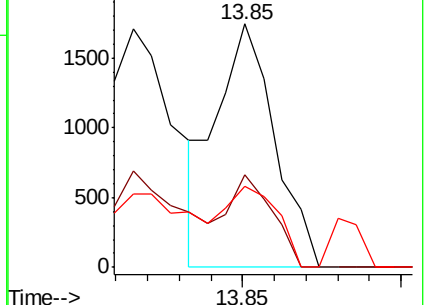
229 33.4 15.9 23.9#



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: 0.352 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

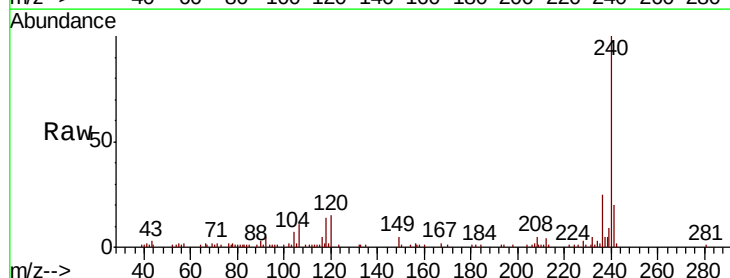
Tgt Ion:149 Resp: 2898

Ion Ratio Lower Upper

149 100

167 33.7 19.8 29.8#

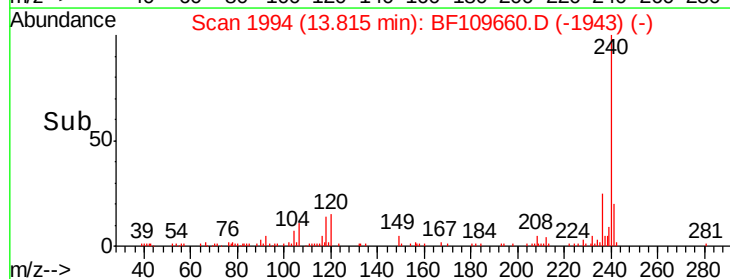
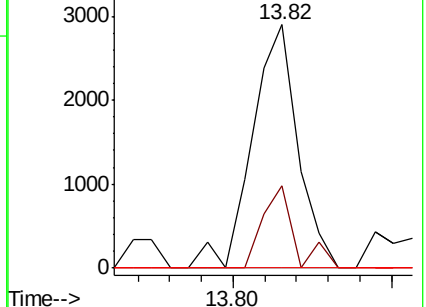
279 0.0 2.7 4.1#

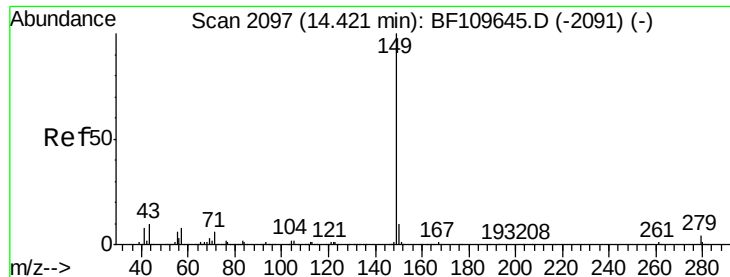


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

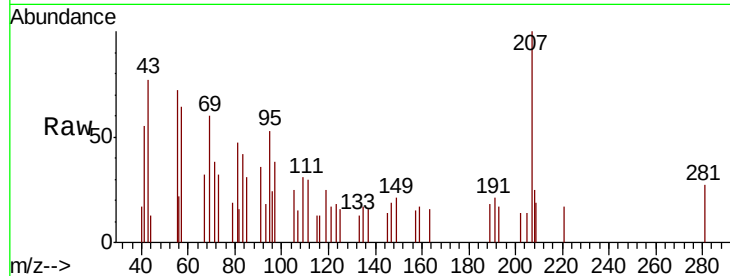




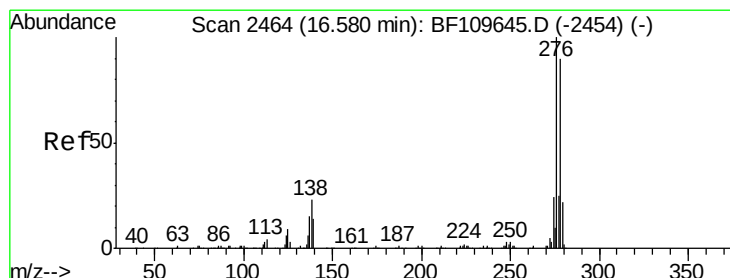
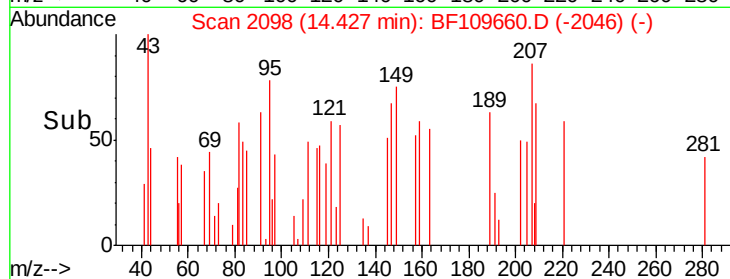
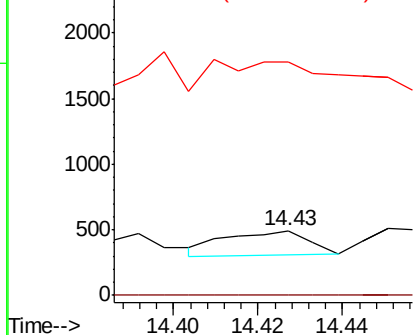
#84
Di-n-octyl phthalate
Concen: 0.020 ng
RT: 14.43 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

Instrument :
BNA_F
ClientSampleId :
PHASE-3-SOIL

Tgt Ion:149 Resp: 258
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 0.0 7.8 11.8#

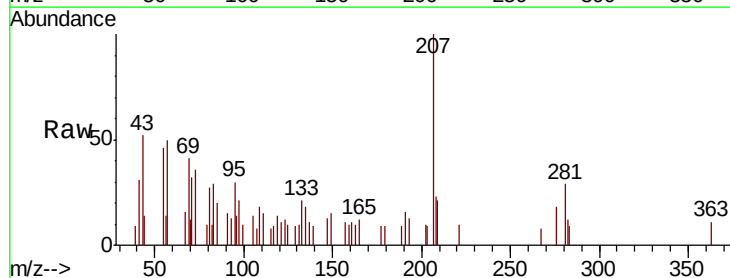


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

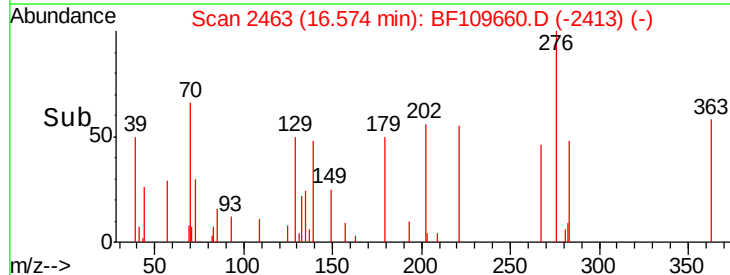
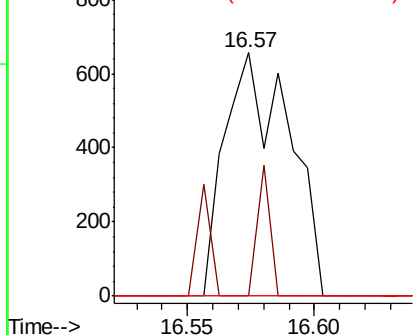


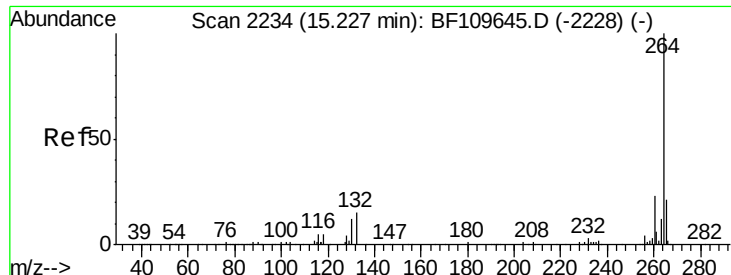
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.132 ng
RT: 16.57 min Scan# 2463
Delta R.T. -0.01 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

Tgt Ion:276 Resp: 1165
Ion Ratio Lower Upper
276 100
138 10.6 18.5 27.7#
277 0.0 20.0 30.0#



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

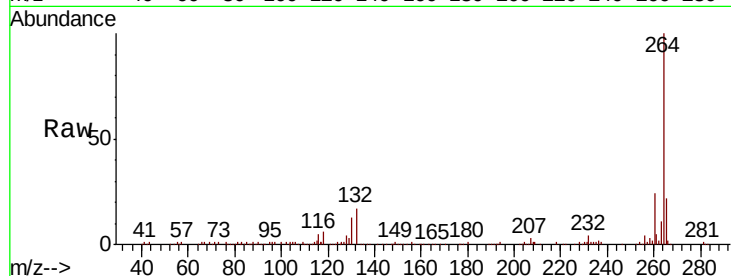




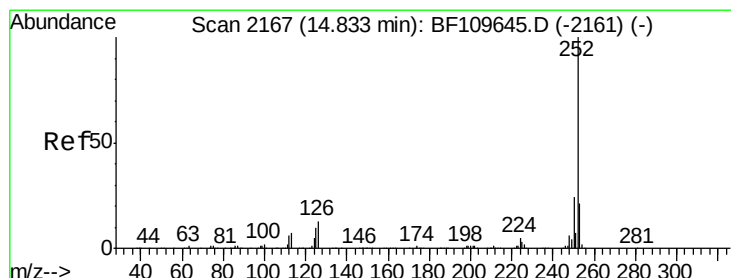
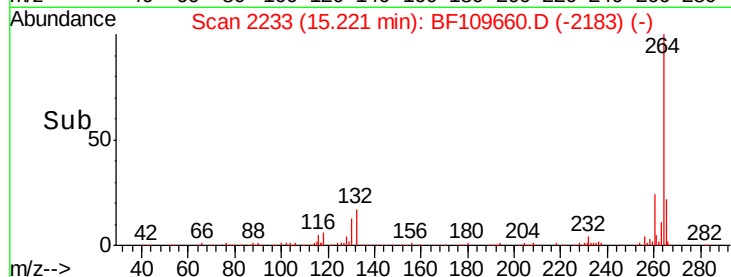
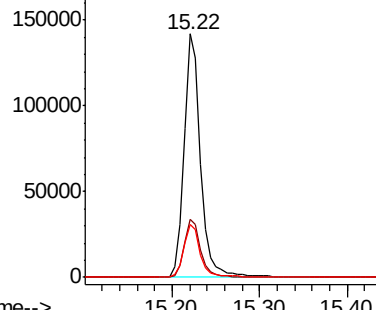
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

Instrument :
BNA_F
ClientSampleId :
PHASE-3-SOIL

Tgt Ion:264 Resp: 185697
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 21.9 16.7 25.1

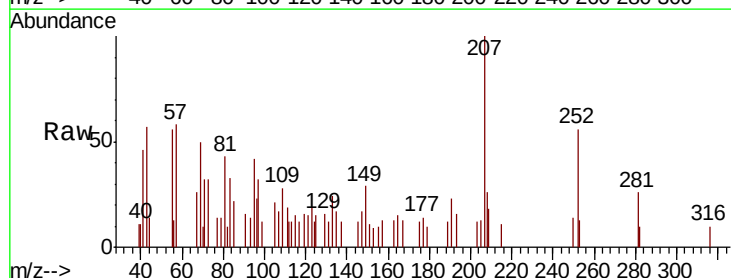


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

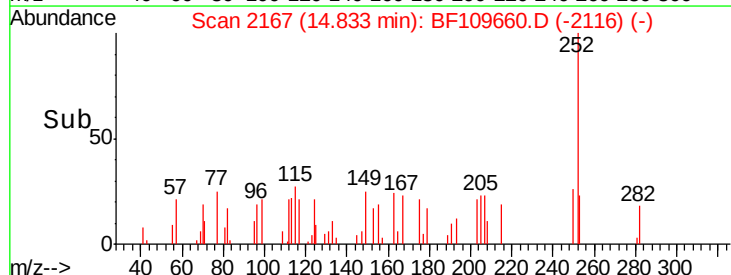
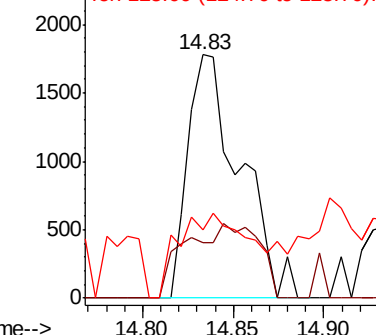


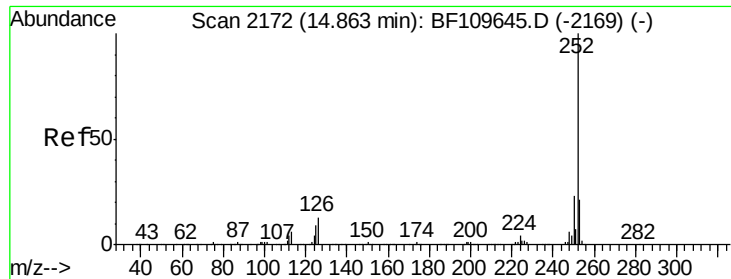
#87
Benzo(b)fluoranthene
Concen: 0.348 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

Tgt Ion:252 Resp: 3569
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 27.8 8.2 12.4#



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

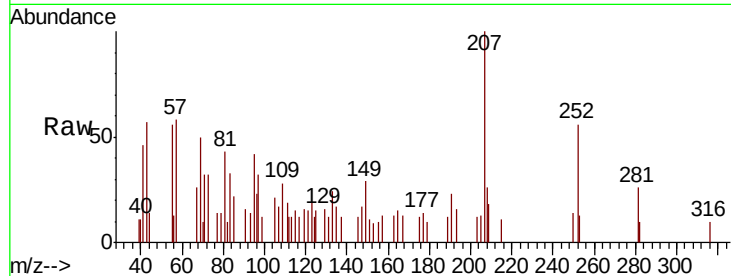




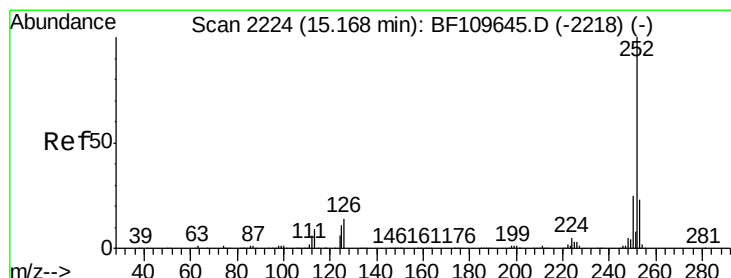
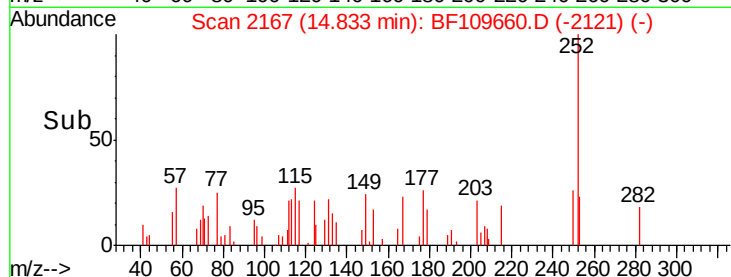
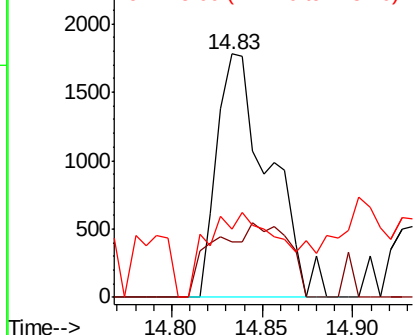
#88
Benzo(k)fluoranthene
Concen: 0.346 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

Instrument :
BNA_F
ClientSampleId :
PHASE-3-SOIL

Tgt Ion:252 Resp: 3569
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 27.8 7.4 11.0#

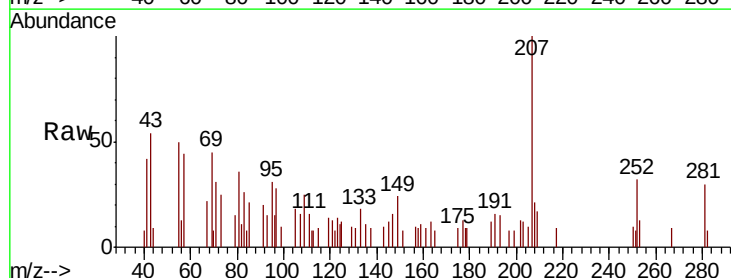


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

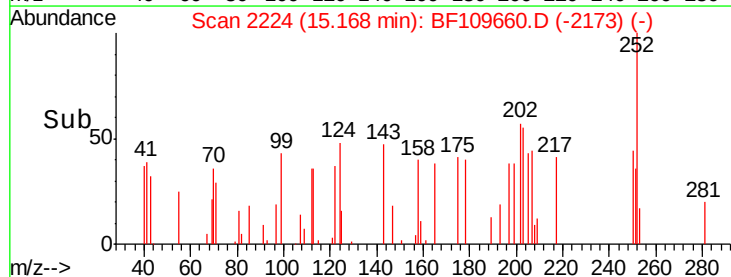
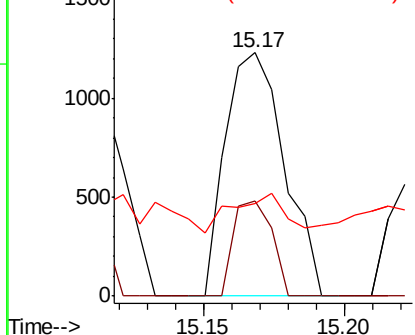


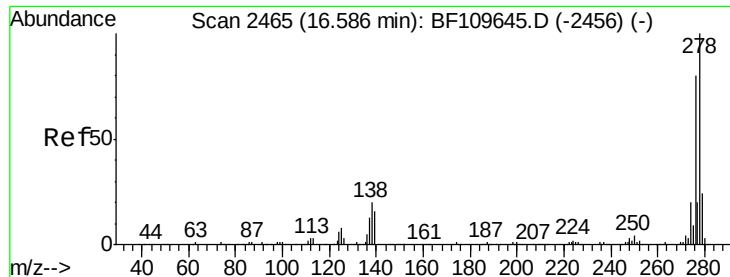
#89
Benzo(a)pyrene
Concen: 0.192 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF109660.D
Acq: 8 Oct 2018 21:01

Tgt Ion:252 Resp: 1788
Ion Ratio Lower Upper
252 100
253 39.3 18.2 27.4#
125 38.1 9.0 13.6#



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





#90

Dibenzo(a,h)anthracene

Concen: 0.015 ng

RT: 16.59 min Scan# 2466

Delta R.T. 0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

Instrument :

BNA_F

ClientSampleId :

PHASE-3-SOIL

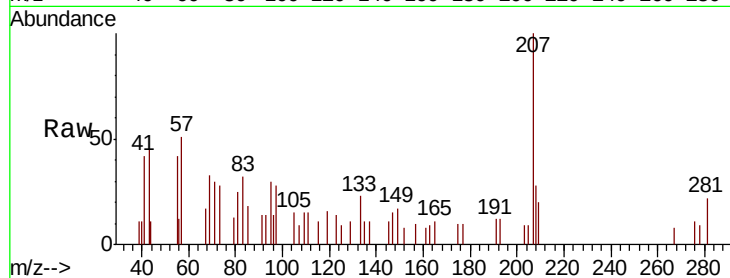
Tgt Ion:278 Resp: 115

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

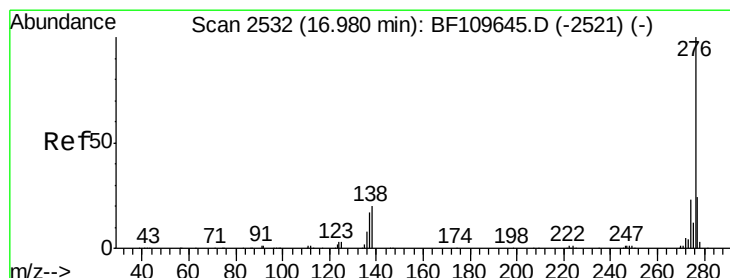
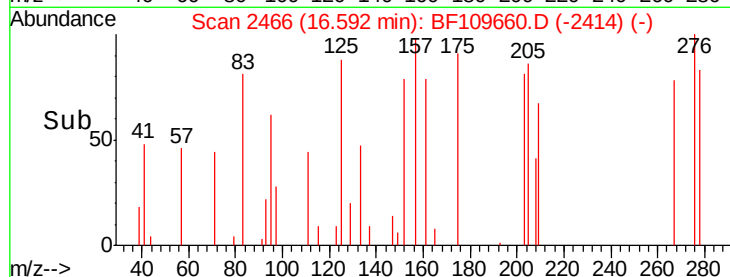
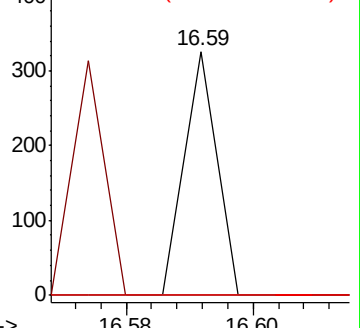
279 0.0 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 0.154 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF109660.D

Acq: 8 Oct 2018 21:01

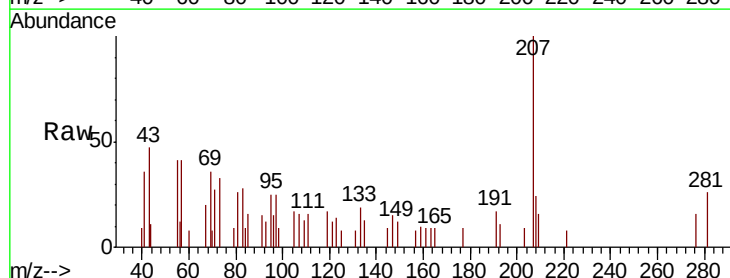
Tgt Ion:276 Resp: 1176

Ion Ratio Lower Upper

276 100

277 0.0 18.8 28.2#

138 0.0 16.0 24.0#



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

