

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
 Data File : BF083782.D
 Acq On : 14 Dec 2015 21:26
 Operator : UM/IZ
 Sample : G4760-02MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

Quant Time: Dec 15 02:48:30 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	119301	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	495001	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	229707	20.00	ng	-0.02
63) Phenanthrene-d10	11.42	188	442628	20.00	ng	-0.02
75) Chrysene-d12	14.05	240	351056	20.00	ng	-0.02
86) Perylene-d12	15.48	264	268108	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	903739	122.21	ng	0.00
7) Phenol-d6	6.53	99	1057984	112.97	ng	-0.01
23) Nitrobenzene-d5	7.47	82	770154	87.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	307936	131.56	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1269305	79.34	ng	-0.02
78) Terphenyl-d14	13.00	244	1292814	79.22	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.70	88	114401	31.99	ng	# 70
3) Pyridine	3.40	79	250718	27.87	ng	# 82
4) n-Nitrosodimethylamine	3.32	42	140284	41.21	ng	# 65
6) Aniline	6.57	93	138324	10.87	ng	# 84
8) 2-Chlorophenol	6.69	128	368061	42.35	ng	# 80
9) Benzaldehyde	6.44	77	75290	14.97	ng	93
10) Phenol	6.54	94	328130	30.44	ng	87
11) bis(2-Chloroethyl)ether	6.64	93	318117	40.75	ng	93
12) 1,3-Dichlorobenzene	6.84	146	347251	37.65	ng	98
13) 1,4-Dichlorobenzene	6.92	146	373211	40.05	ng	96
14) 1,2-Dichlorobenzene	7.07	146	320248	38.24	ng	95
15) Benzyl Alcohol	7.05	79	330450	48.03	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.18	45	391740	38.65	ng	71
17) 2-Methylphenol	7.16	107	317466	45.44	ng	# 83
18) Hexachloroethane	7.41	117	129648	39.17	ng	# 78
19) n-Nitroso-di-n-propylamine	7.32	70	254129	44.32	ng	# 86
20) 3+4-Methylphenols	7.31	107	349554	42.38	ng	# 66
22) Acetophenone	7.31	105	467782	38.52	ng	# 94
24) Nitrobenzene	7.48	77	358739	38.96	ng	# 87
25) Isophorone	7.72	82	707939	40.78	ng	96
26) 2-Nitrophenol	7.80	139	212255	47.98	ng	# 81
27) 2,4-Dimethylphenol	7.84	122	351813m	40.47	ng	
28) bis(2-Chloroethoxy)methane	7.94	93	457700	46.21	ng	# 96
29) 2,4-Dichlorophenol	8.04	162	315491	44.21	ng	96
30) 1,2,4-Trichlorobenzene	8.13	180	309444	41.82	ng	96
31) Naphthalene	8.21	128	1176087	45.58	ng	99
32) Benzoic acid	7.96	122	245979m	45.41	ng	
33) 4-Chloroaniline	8.25	127	77096m	7.32	ng	
34) Hexachlorobutadiene	8.33	225	161386	39.74	ng	98
35) Caprolactam	8.62	113	100175m	43.72	ng	
36) 4-Chloro-3-methylphenol	8.74	107	367247	44.00	ng	92
37) 2-Methylnaphthalene	8.90	142	705051	43.52	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.07	216	304573	44.95	ng	# 100
40) Hexachlorocyclopentadiene	9.06	237	306756	89.33	ng	99

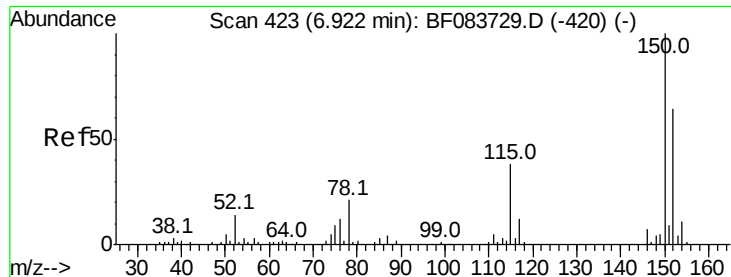
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	227261	45.82	nq	98
43) 2,4,5-Trichlorophenol	9.22	196	223413	47.48	nq	# 96
45) 1,1'-Biphenyl	9.37	154	917206	45.05	nq	95
46) 2-Chloronaphthalene	9.39	162	677771	45.10	nq	94
47) 2-Nitroaniline	9.48	65	227341	53.34	nq	# 61
48) Acenaphthylene	9.80	152	1049147	41.50	nq	99
49) Dimethylphthalate	9.66	163	784262	43.79	nq	100
50) 2,6-Dinitrotoluene	9.72	165	175422	46.15	nq	# 88
51) Acenaphthene	9.97	154	750356	49.09	nq	99
52) 3-Nitroaniline	9.88	138	60544	13.82	nq	87
53) 2,4-Dinitrophenol	10.00	184	203472	92.21	nq	# 83
54) Dibenzofuran	10.14	168	925225	45.69	nq	# 90
55) 4-Nitrophenol	10.05	139	305952	94.29	nq	84
56) 2,4-Dinitrotoluene	10.12	165	250911	50.53	nq	# 87
57) Fluorene	10.49	166	663230	41.59	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.27	232	191613m	54.29	nq	
59) Diethylphthalate	10.36	149	819946	45.22	nq	98
60) 4-Chlorophenyl-phenylether	10.49	204	320037	44.01	nq	# 87
61) 4-Nitroaniline	10.50	138	155019	40.13	nq	93
62) Azobenzene	10.64	77	795293	48.12	nq	97
64) 4,6-Dinitro-2-methylphenol	10.53	198	134448	53.38	nq	# 77
65) n-Nitrosodiphenylamine	10.60	169	683185	45.13	nq	98
66) 4-Bromophenyl-phenylether	10.97	248	205662	41.55	nq	# 85
67) Hexachlorobenzene	11.04	284	223786	41.79	nq	# 91
68) Atrazine	11.13	200	191741	44.52	nq	97
69) Pentachlorophenol	11.23	266	268250	88.81	nq	98
70) Phenanthrene	11.45	178	1041185	44.28	nq	98
71) Anthracene	11.50	178	1109008	45.41	nq	99
72) Carbazole	11.65	167	1106151	48.61	nq	97
73) Di-n-butylphthalate	11.98	149	1156197	41.84	nq	99
74) Fluoranthene	12.64	202	1213283	49.94	nq	96
76) Benzidine	12.74	184	22989	2.15	nq	98
77) Pyrene	12.87	202	1207261	43.51	nq	99
79) Butylbenzylphthalate	13.48	149	558701	46.92	nq	86
80) Benzo(a)anthracene	14.04	228	881980	44.18	nq	99
81) 3,3'-Dichlorobenzidine	14.01	252	101634	14.11	nq	# 95
82) Chrysene	14.08	228	786432	40.39	nq	100
83) Bis(2-ethylhexyl)phthalate	14.04	149	568393	41.94	nq	98
84) Di-n-octyl phthalate	14.65	149	982006	45.60	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.91	276	784694	41.04	nq	# 100
87) Benzo(b)fluoranthene	15.07	252	949095m	55.49	nq	
88) Benzo(k)fluoranthene	15.11	252	622960m	40.19	nq	
89) Benzo(a)pyrene	15.43	252	741939	48.61	nq	99
90) Dibenzo(a,h)anthracene	16.93	278	637883	42.03	nq	98
91) Benzo(g,h,i)perylene	17.35	276	652666	41.84	nq	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.02 min

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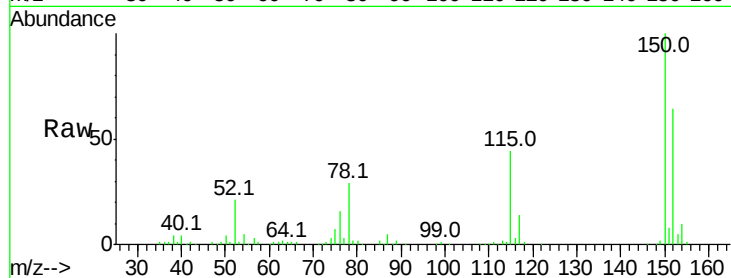
Tot Ion:152 Resp: 119301

Ion Ratio Lower Upper

152 100

150 157.3 126.5 189.7

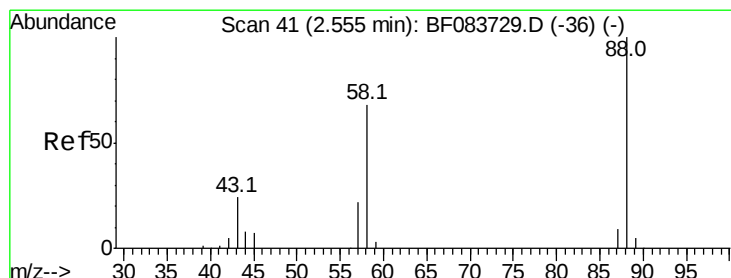
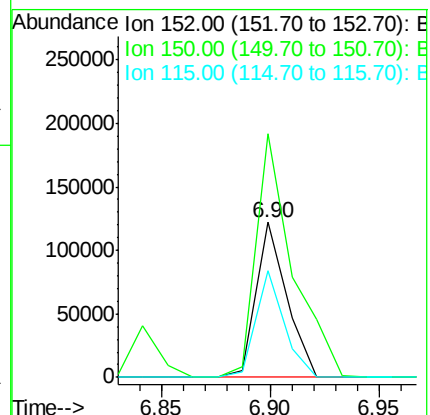
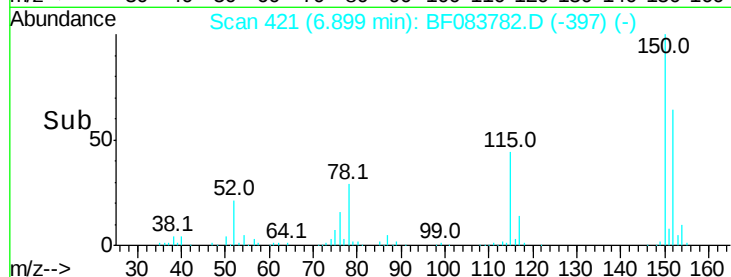
115 68.6 52.3 78.5



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: 31.99 ng

RT: 2.70 min Scan# 54

Delta R.T. 0.14 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

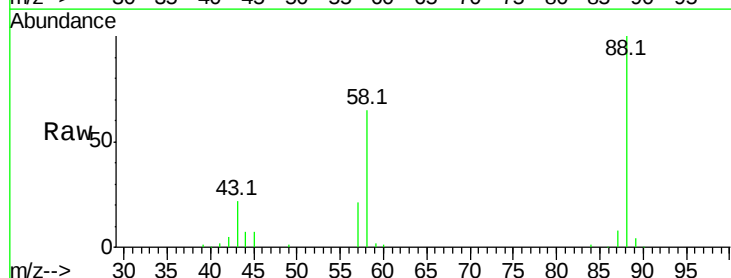
Tgt Ion: 88 Resp: 114401

Ion Ratio Lower Upper

88 100

58 68.9 68.0 102.0

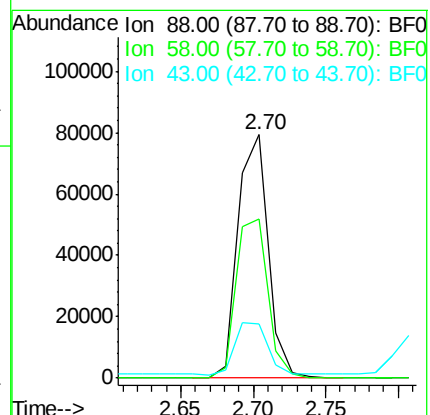
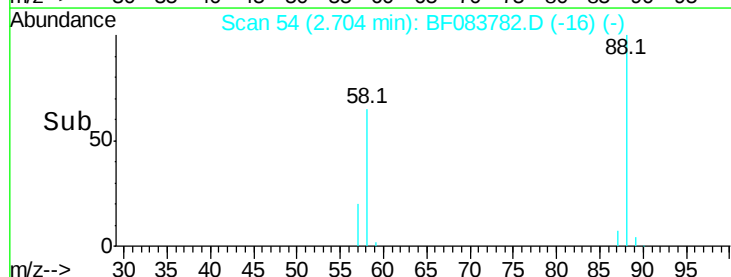
43 0.0 27.9 41.9#

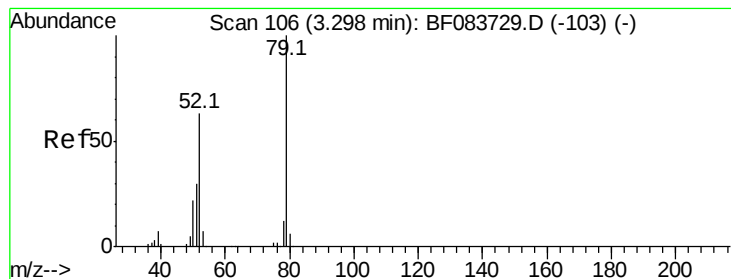


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvrindine

Concen: 27.87 ng

RT: 3.40 min Scan# 115

Delta R.T. 0.10 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

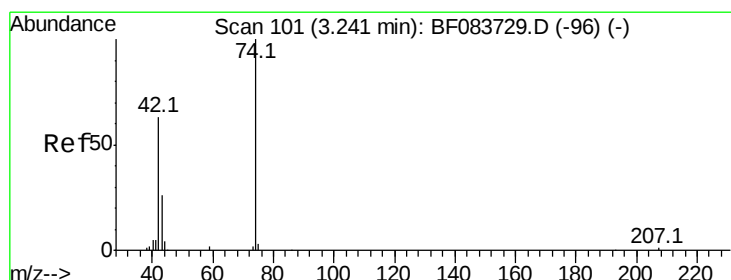
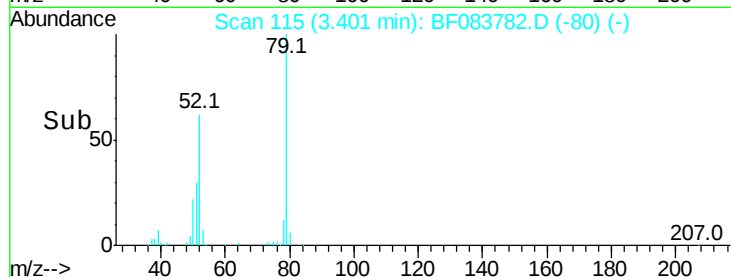
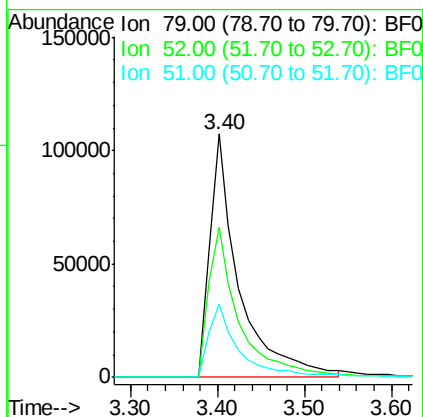
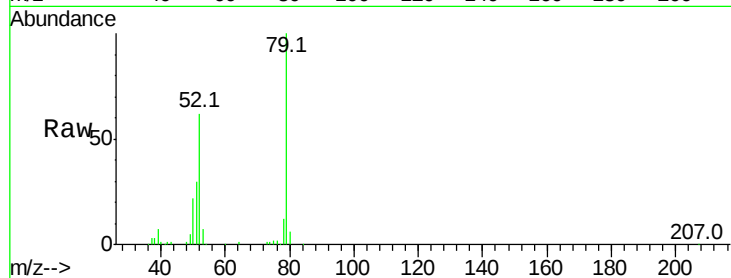
Tot Ion: 79 Resp: 250718

Ion Ratio Lower Upper

79 100

52 61.9 63.7 95.5#

51 30.1 30.6 45.8#



#4

n-Nitrosodimethylamine

Concen: 41.21 ng

RT: 3.32 min Scan# 108

Delta R.T. 0.08 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

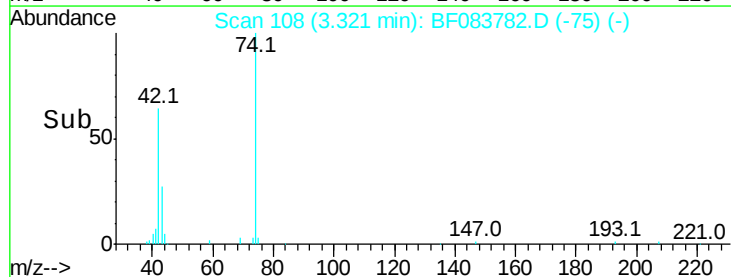
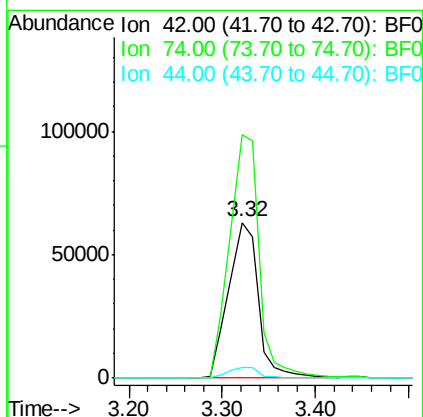
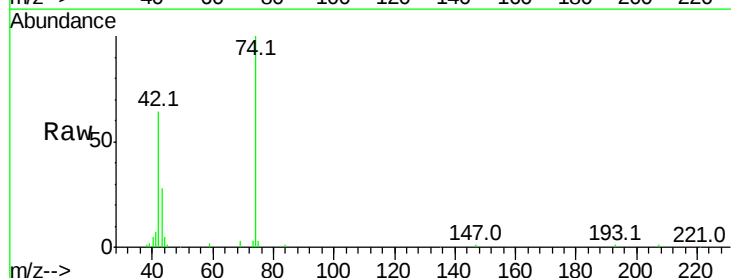
Tgt Ion: 42 Resp: 140284

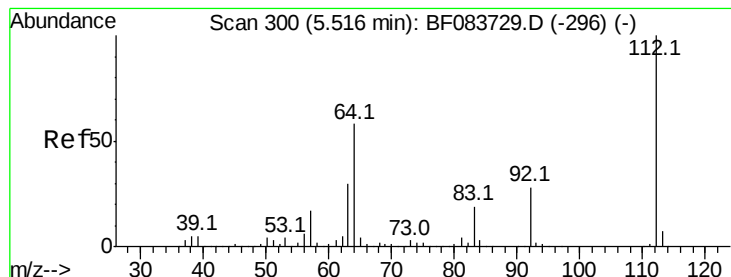
Ion Ratio Lower Upper

42 100

74 156.6 92.9 139.3#

44 7.3 5.7 8.5

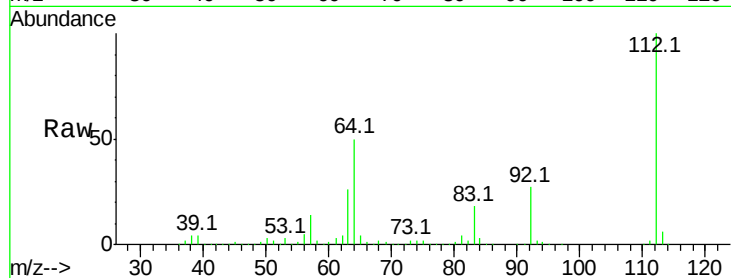




#5
 2-Fluorophenol
 Concen: 122.21 ng
 RT: 5.53 min Scan# 301
 Delta R.T. 0.00 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

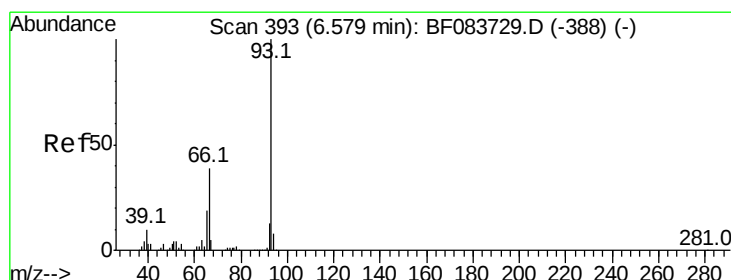
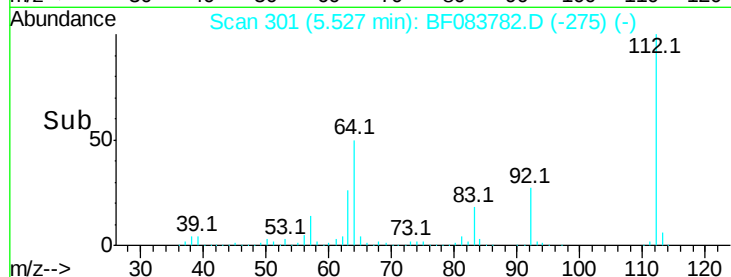
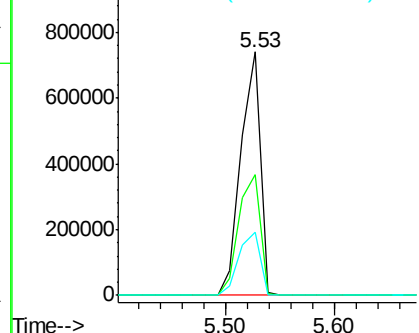
Tot Ion	Ratio	Lower	Upper
112	100		
64	49.5	50.5	75.7#
63	25.7	25.8	38.6#



Abundance Ion 112.00 (111.70 to 112.70): E

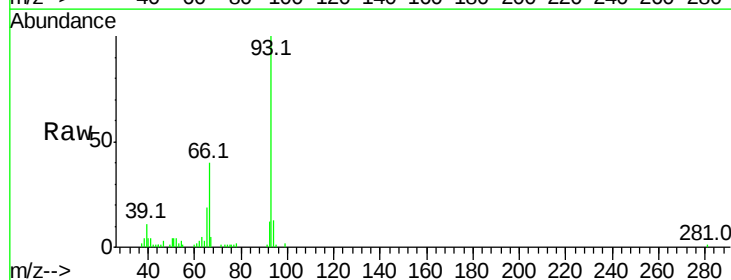
Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6
 Aniline
 Concen: 10.87 ng
 RT: 6.57 min Scan# 392
 Delta R.T. -0.01 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

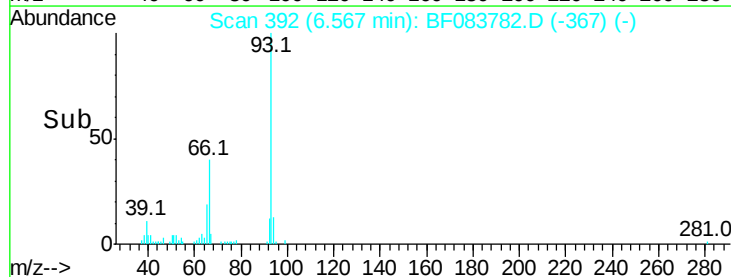
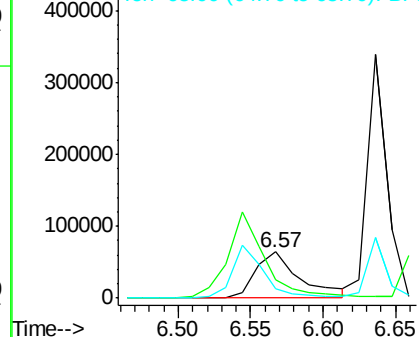
Tgt Ion	Ratio	Lower	Upper
93	100		
66	39.6	41.3	61.9#
65	19.5	20.8	31.2#

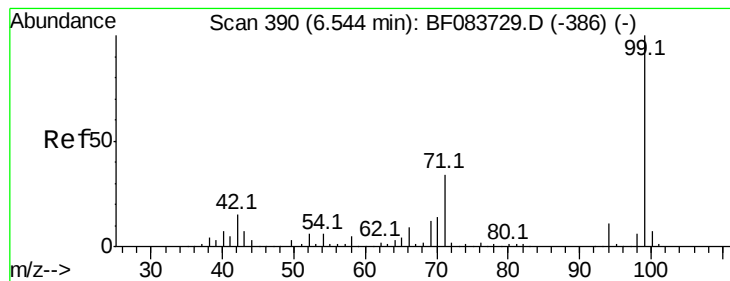


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 112.97 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

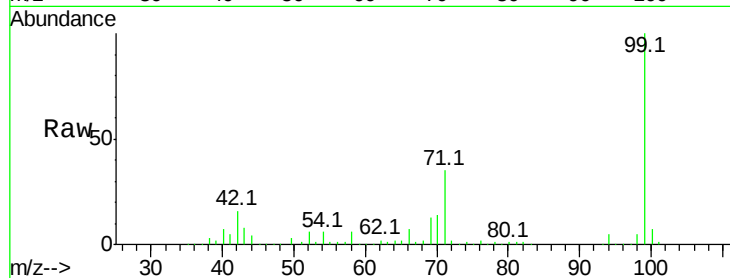
BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

Tot Ion: 99 Resp: 1057984

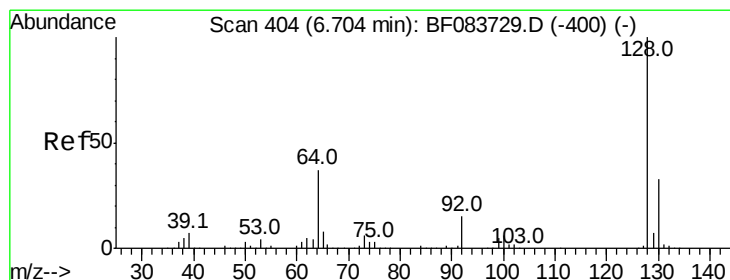
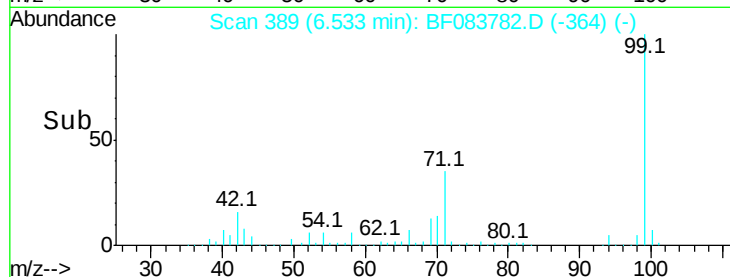
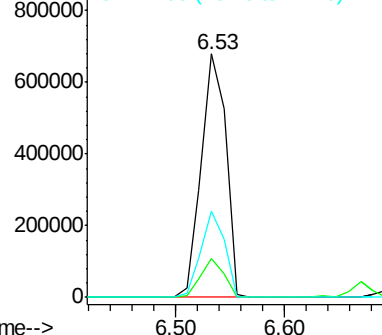
Ion	Ratio	Lower	Upper
99	100		
42	15.8	17.3	25.9#
71	35.3	26.6	40.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 42.35 ng

RT: 6.69 min Scan# 403

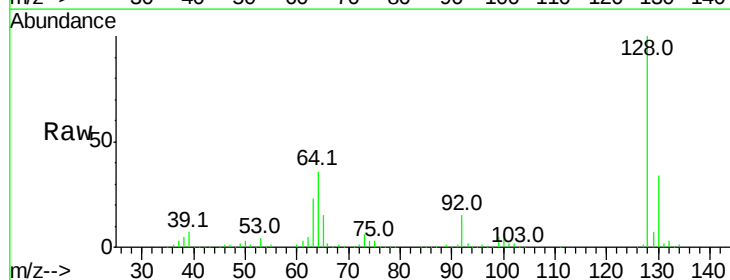
Delta R.T. -0.01 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Tgt Ion: 128 Resp: 368061

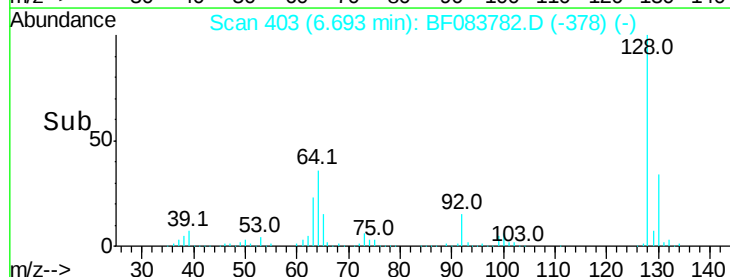
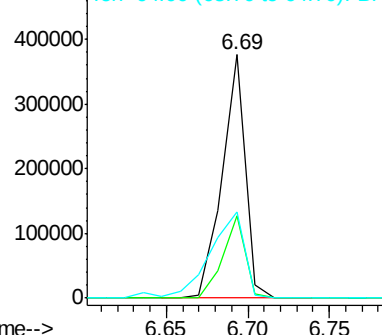
Ion	Ratio	Lower	Upper
128	100		
130	33.6	12.6	52.6
64	35.6	38.6	78.6#

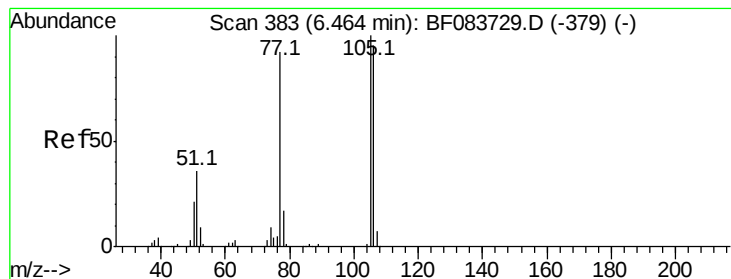


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 14.97 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

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ClientSampleId :

WC121015-SOIL-POPHMSD

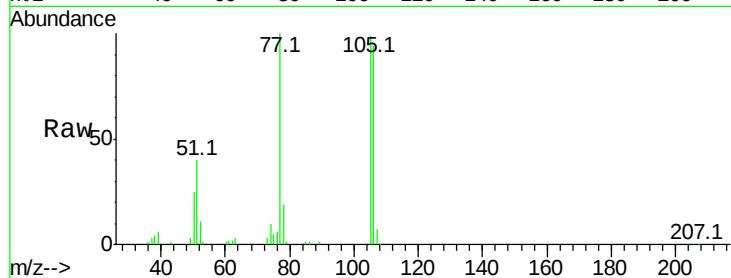
Tot Ion: 77 Resp: 75290

Ion Ratio Lower Upper

77 100

105 98.8 71.8 111.8

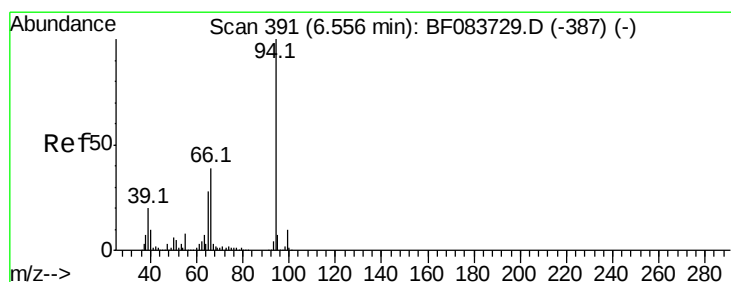
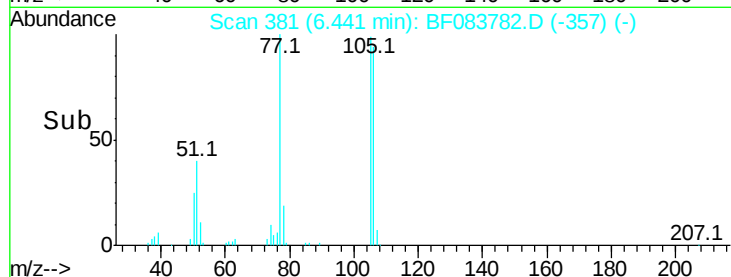
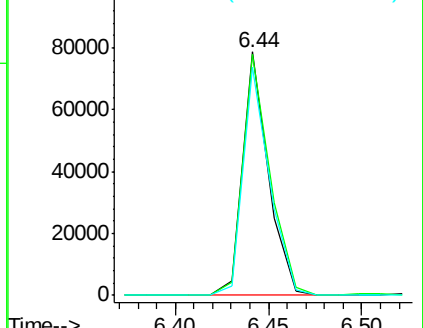
106 93.6 66.8 106.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 30.44 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

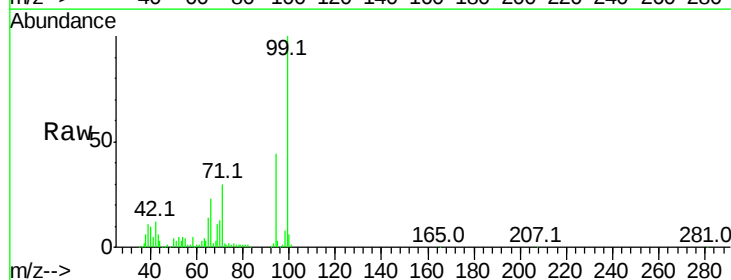
Tgt Ion: 94 Resp: 328130

Ion Ratio Lower Upper

94 100

65 32.1 20.9 60.9

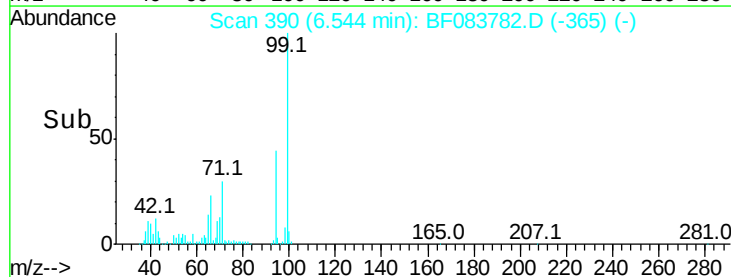
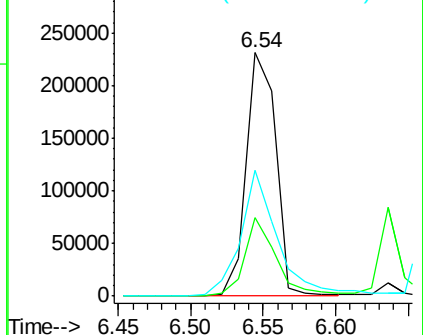
66 52.0 41.6 81.6

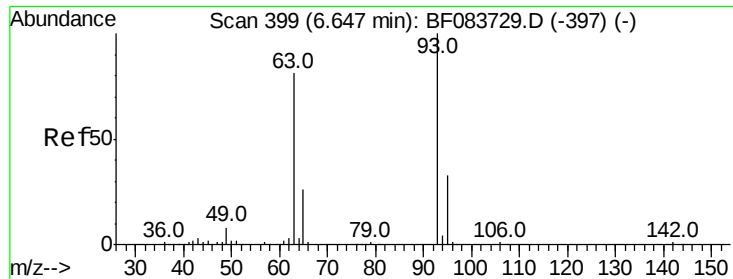


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

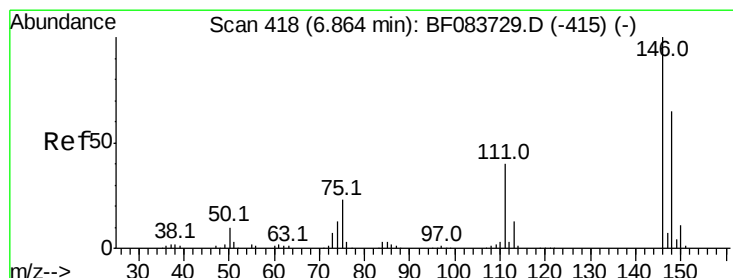
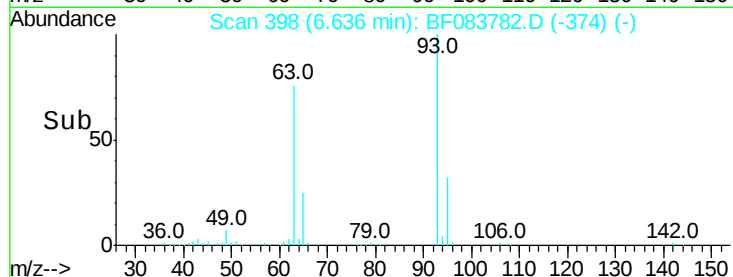
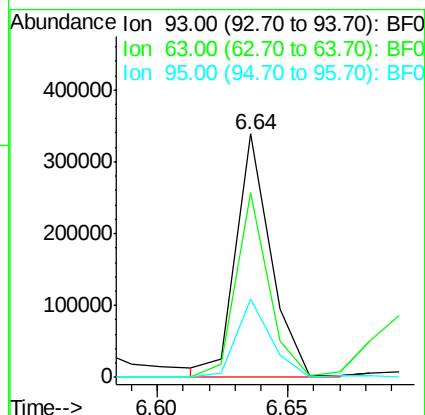
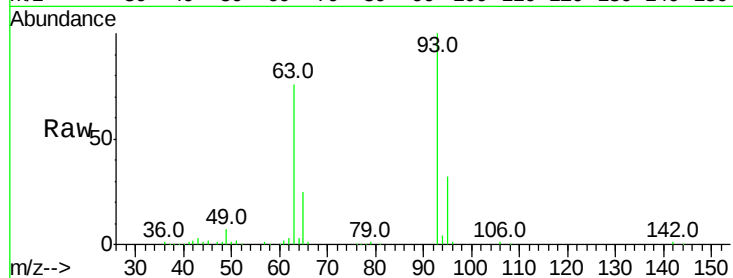




#11
bis(2-Chloroethyl)ether
Concen: 40.75 ng
RT: 6.64 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

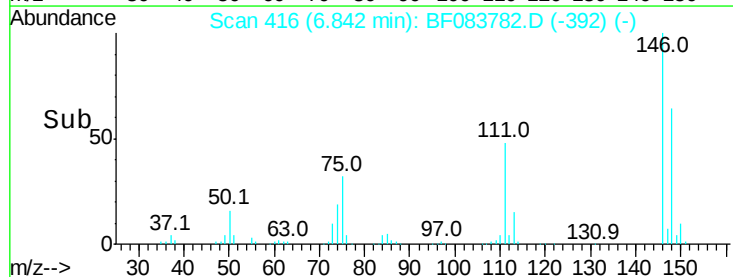
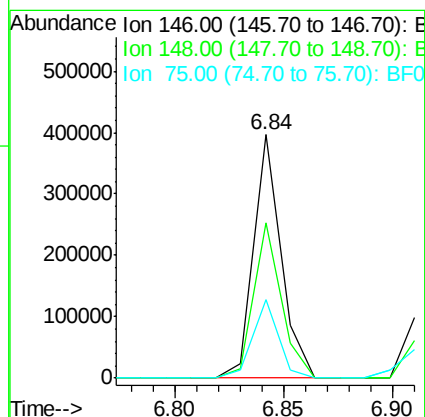
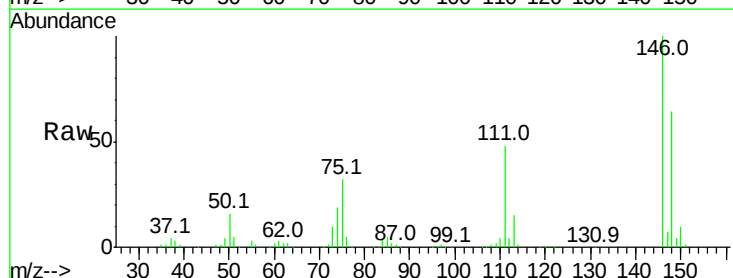
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMSD

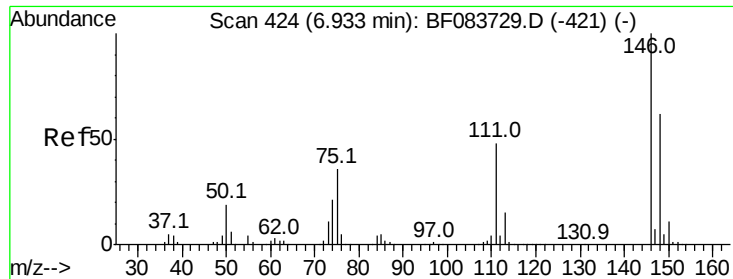
Tot Ion: 93 Resp: 318117
Ion Ratio Lower Upper
93 100
63 75.7 64.7 104.7
95 32.4 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 37.65 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.02 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

Tgt Ion: 146 Resp: 347251
Ion Ratio Lower Upper
146 100
148 63.6 51.3 76.9
75 32.3 24.1 36.1

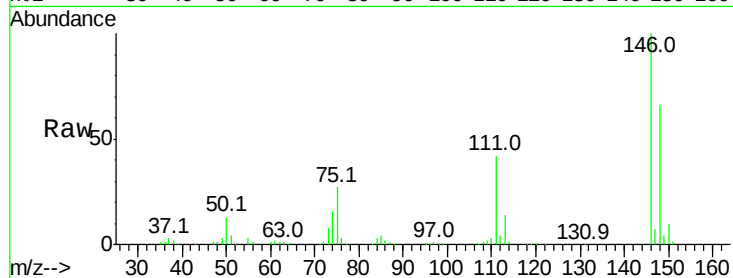




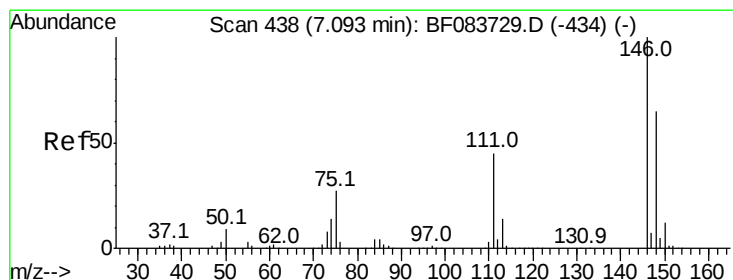
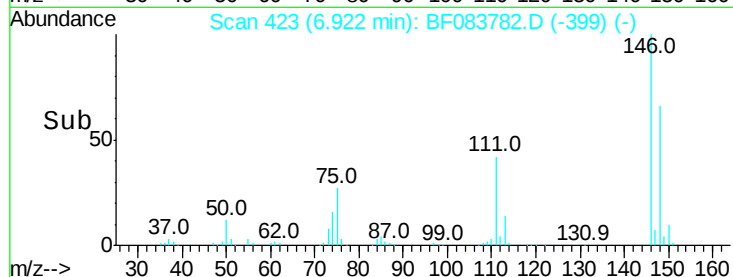
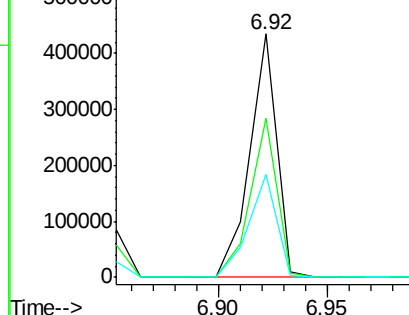
#13
 1,4-Dichlorobenzene
 Concen: 40.05 ng
 RT: 6.92 min Scan# 423
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

Tot Ion:146 Resp: 373211
 Ion Ratio Lower Upper
 146 100
 148 65.6 50.6 76.0
 111 42.2 36.1 54.1

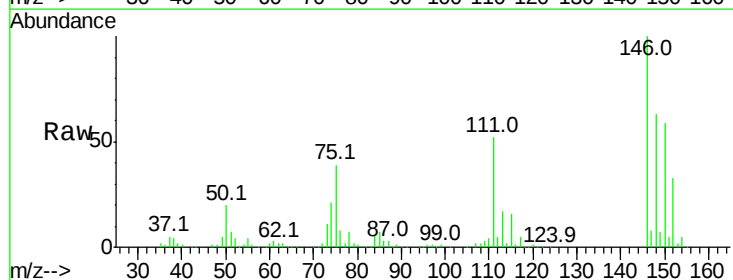


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

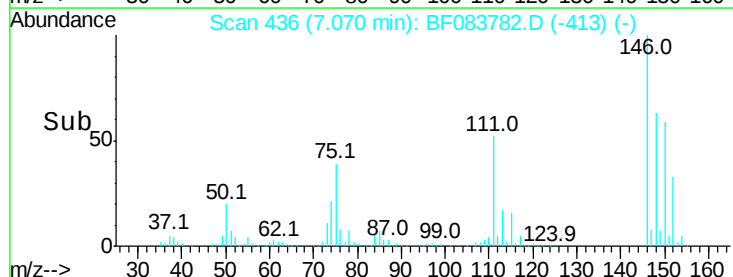
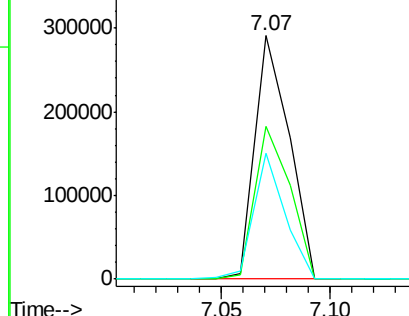


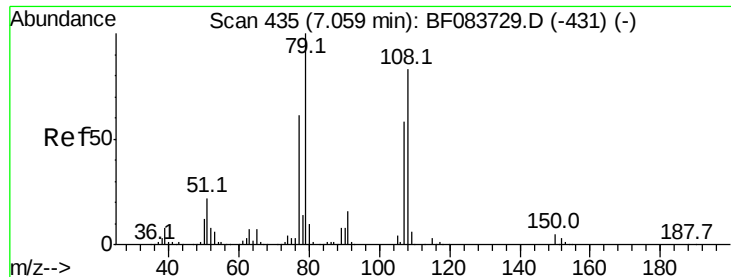
#14
 1,2-Dichlorobenzene
 Concen: 38.24 ng
 RT: 7.07 min Scan# 436
 Delta R.T. -0.03 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Tgt Ion:146 Resp: 320248
 Ion Ratio Lower Upper
 146 100
 148 63.0 51.4 77.0
 111 51.7 36.7 55.1



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: 48.03 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

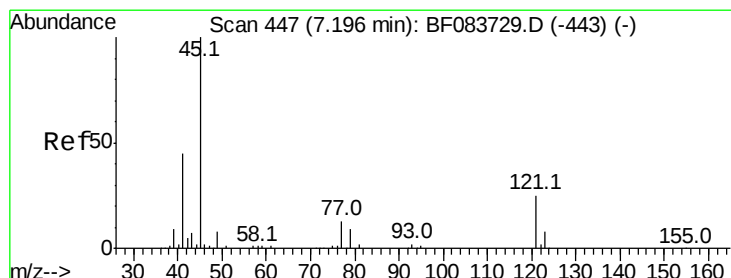
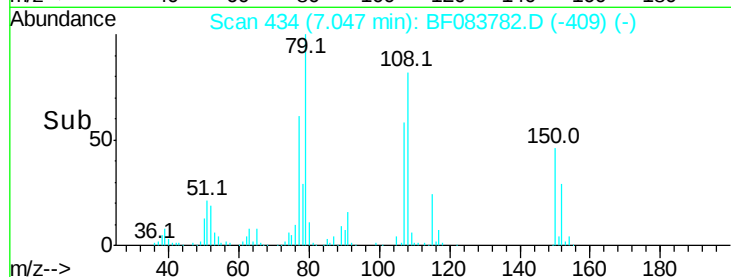
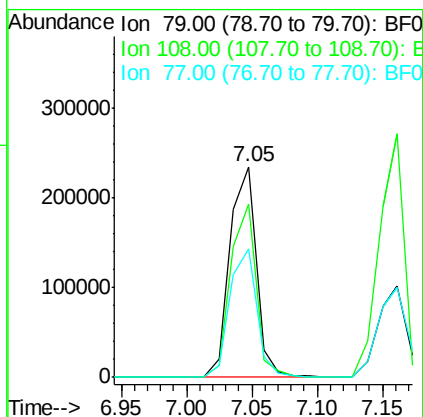
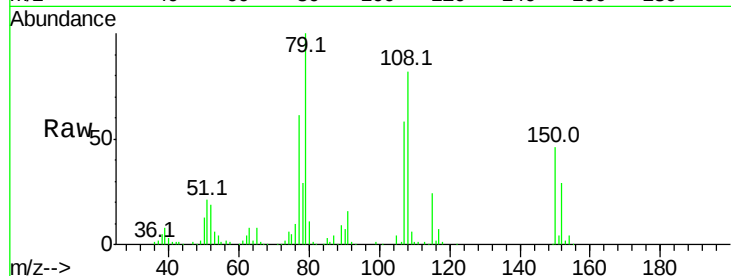
Tot Ion: 79 Resp: 330450

Ion Ratio Lower Upper

79 100

108 82.2 59.6 89.4

77 61.2 49.8 74.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.65 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

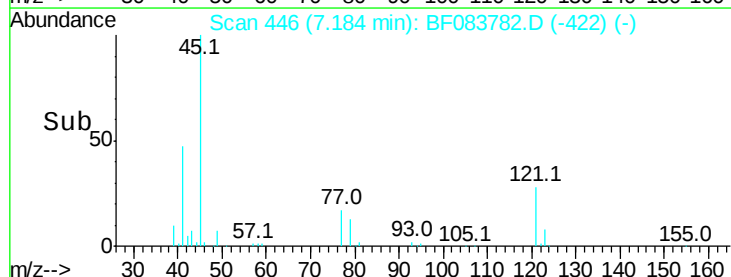
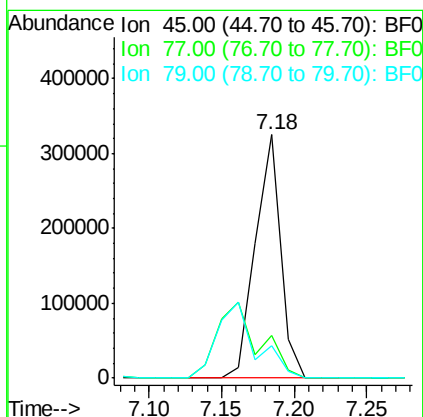
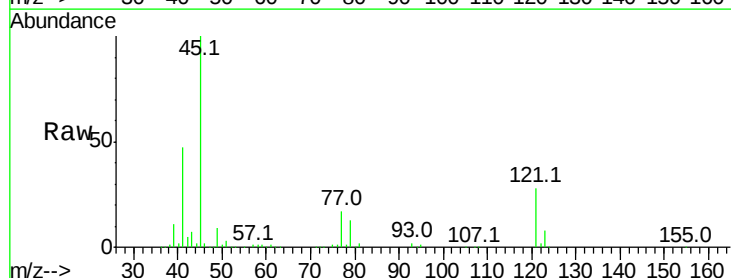
Tgt Ion: 45 Resp: 391740

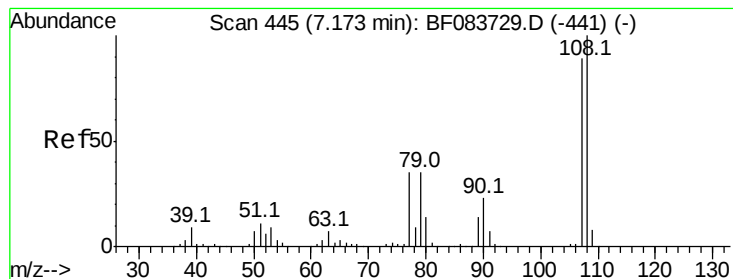
Ion Ratio Lower Upper

45 100

77 17.3 12.8 52.8

79 13.4 10.7 50.7

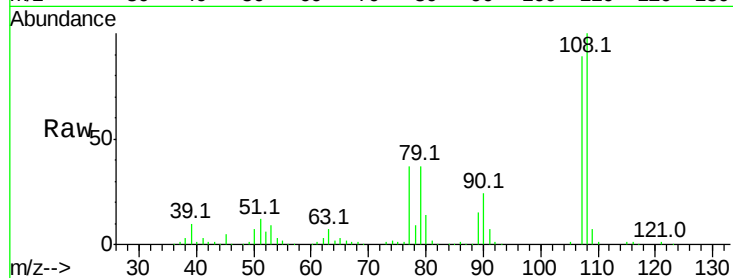




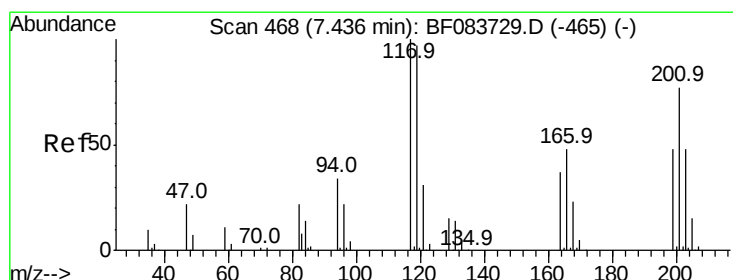
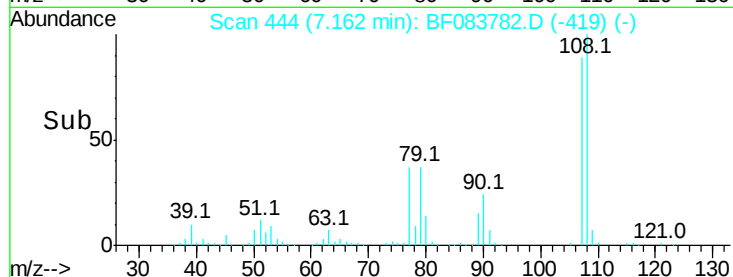
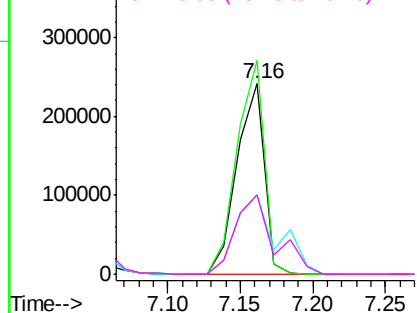
#17
2-Methylphenol
Concen: 45.44 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMSD

Tot Ion:107 Resp: 317466
Ion Ratio Lower Upper
107 100
108 112.0 91.6 137.4
77 41.7 53.7 80.5#
79 42.0 50.2 75.4#

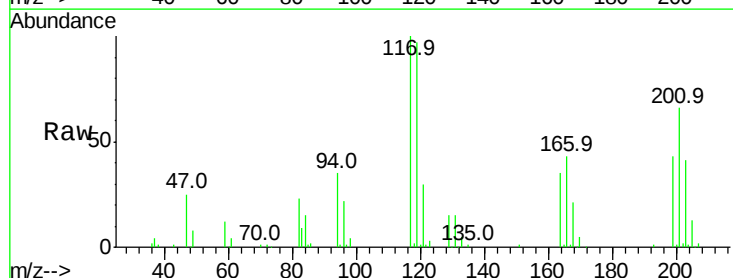


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

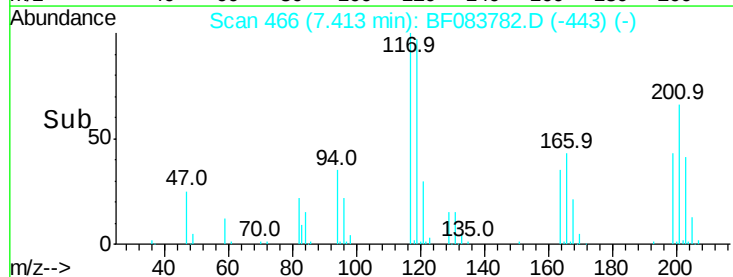
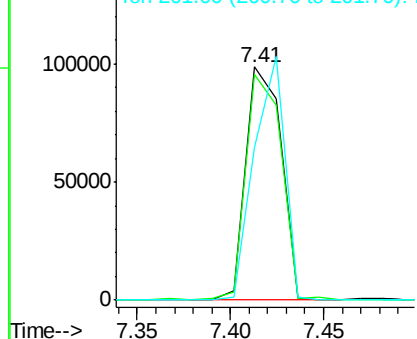


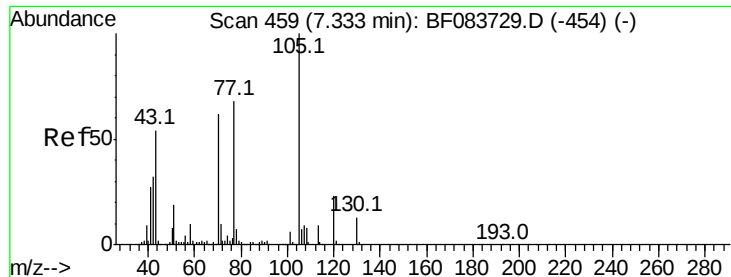
#18
Hexachloroethane
Concen: 39.17 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.03 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

Tgt Ion:117 Resp: 129648
Ion Ratio Lower Upper
117 100
119 96.9 77.2 115.8
201 65.8 86.8 130.2#



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: 44.32 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

Tot Ion: 70 Resp: 254129

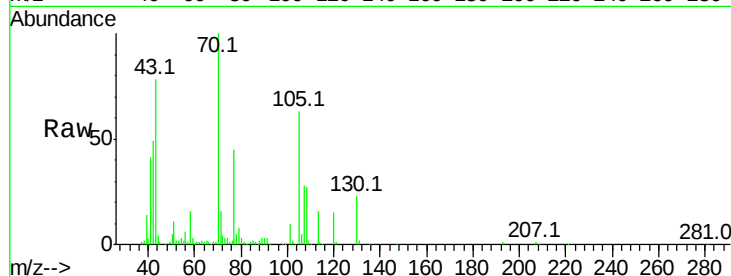
Ion Ratio Lower Upper

70 100

42 48.6 49.2 73.8#

101 10.1 7.1 10.7

130 22.6 15.4 23.0

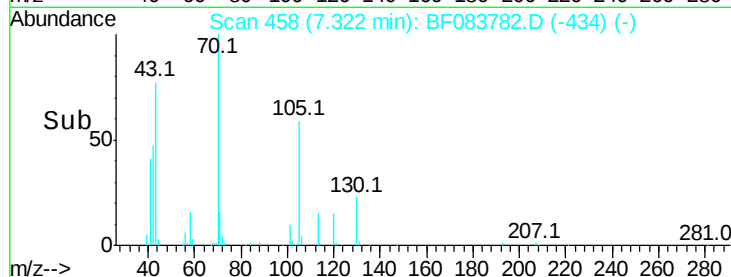
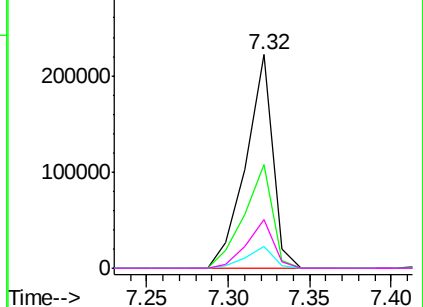


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#20

3+4-Methylphenols

Concen: 42.38 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Tgt Ion:107 Resp: 349554

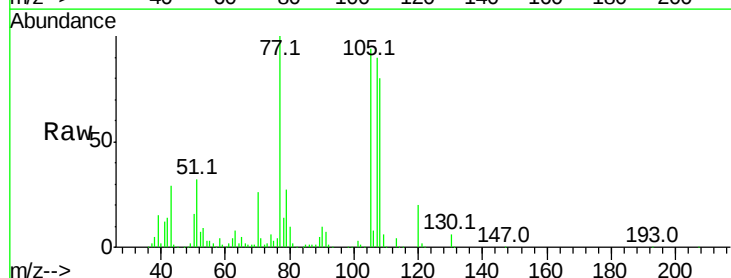
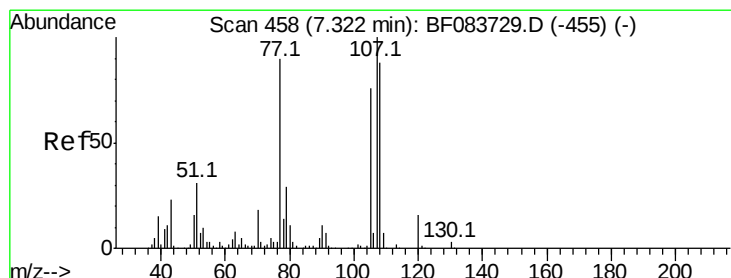
Ion Ratio Lower Upper

107 100

108 88.3 65.2 105.2

77 110.6 15.2 55.2#

79 29.8 6.0 46.0

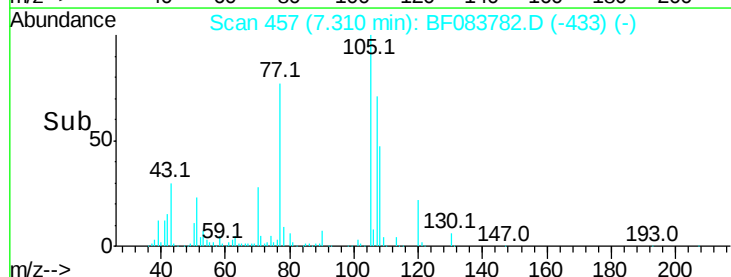
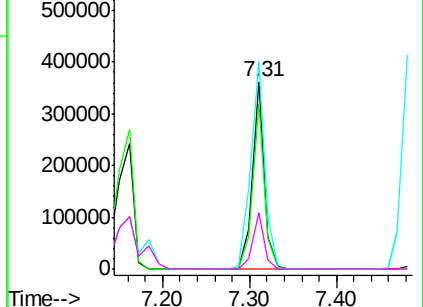


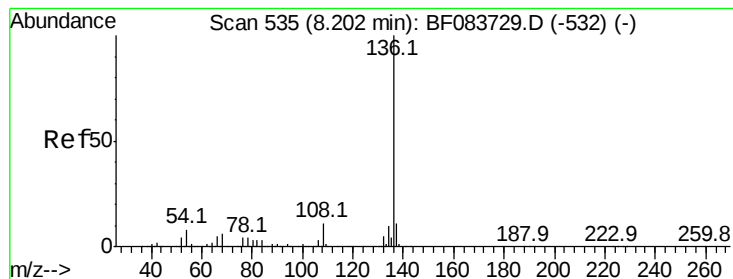
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

Tot Ion:136 Resp: 495001

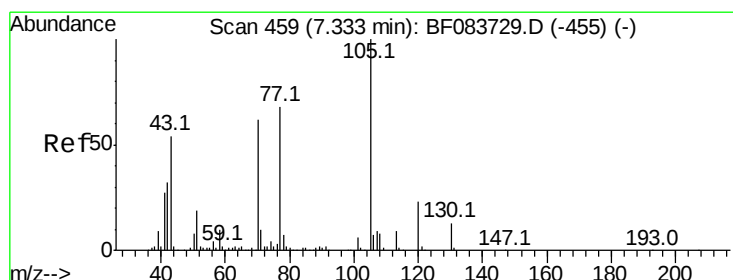
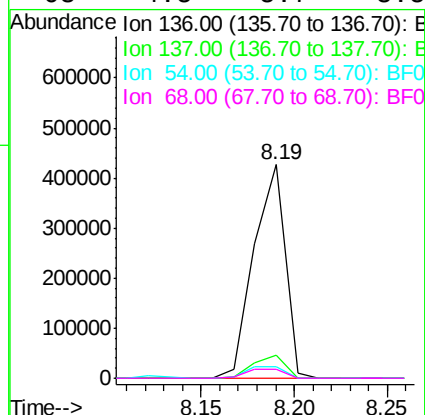
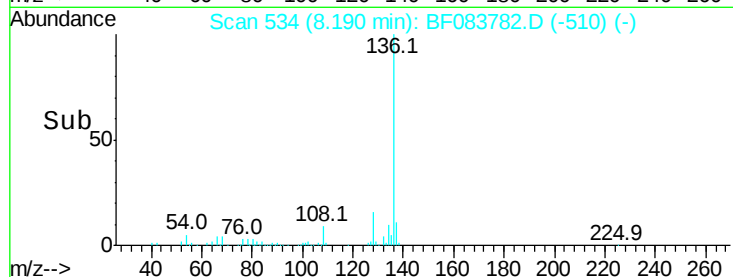
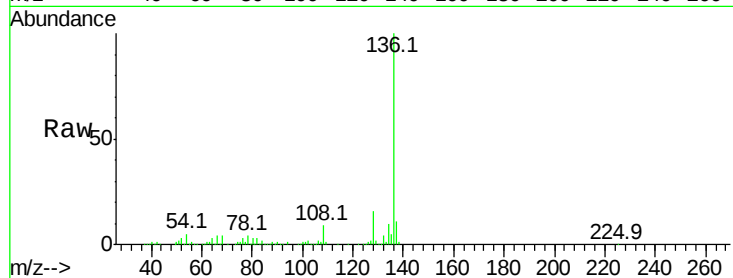
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 5.5 7.8 11.6#

68 4.5 5.7 8.5#



#22

Acetophenone

Concen: 38.52 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Tgt Ion:105 Resp: 467782

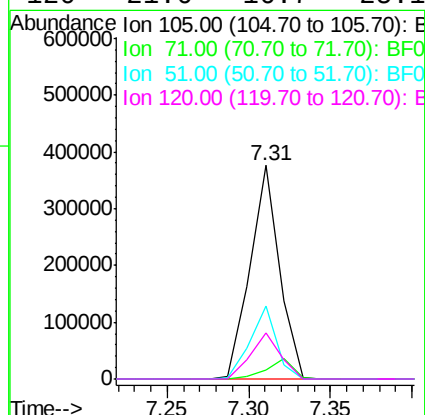
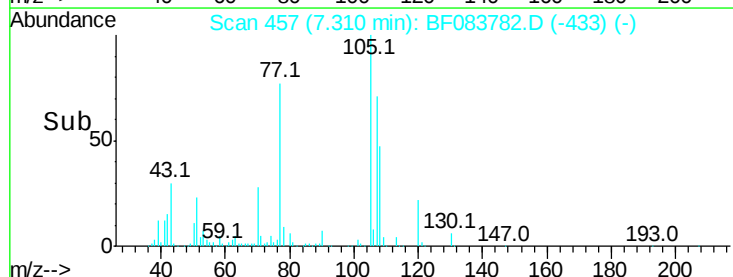
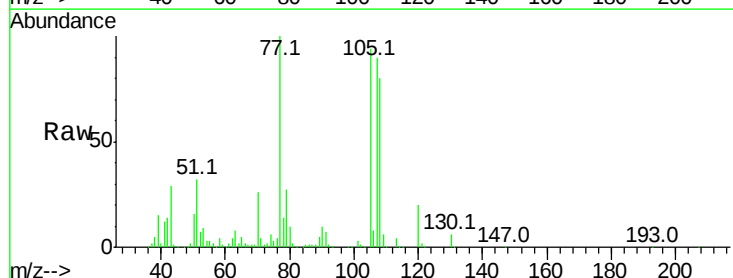
Ion Ratio Lower Upper

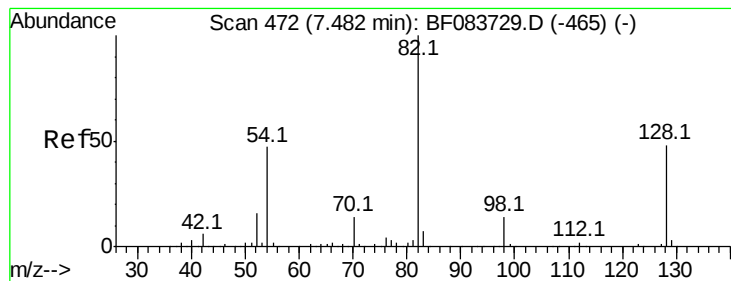
105 100

71 4.5 1.3 1.9#

51 34.4 23.8 35.8

120 21.6 16.7 25.1





#23

Nitrobenzene-d5

Concen: 87.05 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

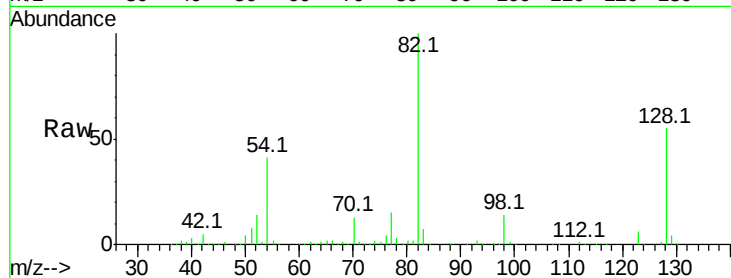
Tot Ion: 82 Resp: 770154

Ion Ratio Lower Upper

82 100

128 54.6 30.7 46.1#

54 41.3 42.5 63.7#

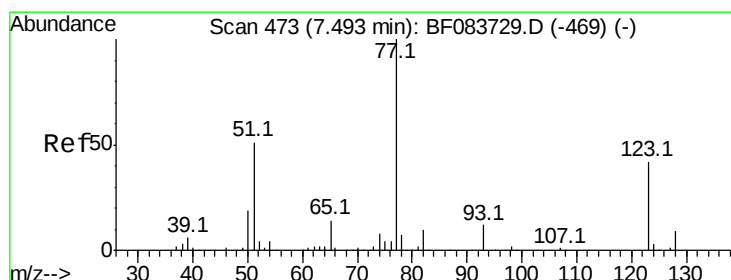
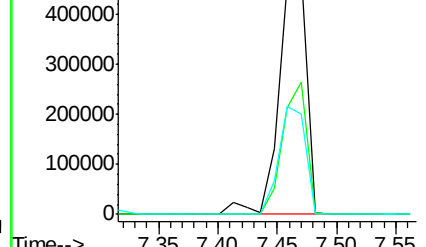
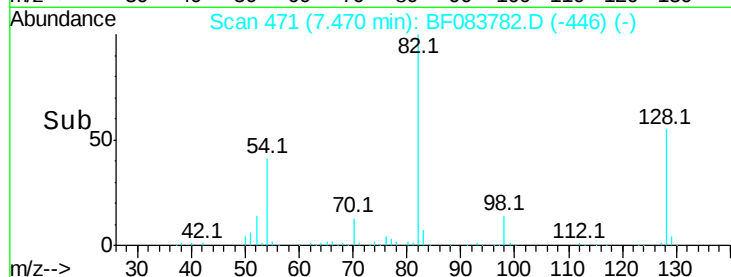


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Time-->



#24

Nitrobenzene

Concen: 38.96 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

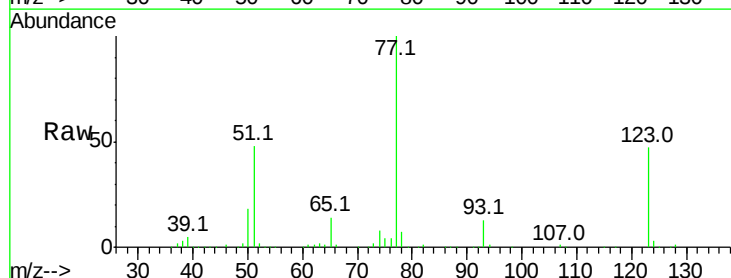
Tgt Ion: 77 Resp: 358739

Ion Ratio Lower Upper

77 100

123 47.4 29.8 44.6#

65 13.6 11.1 16.7

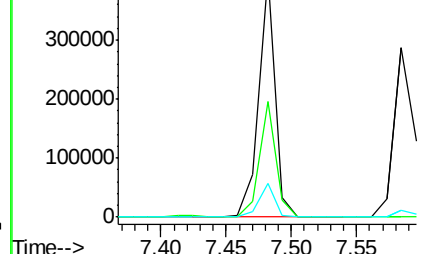
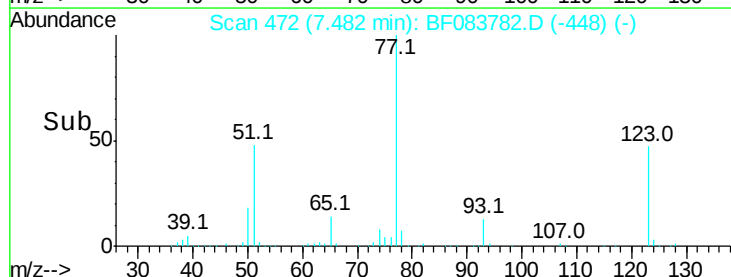


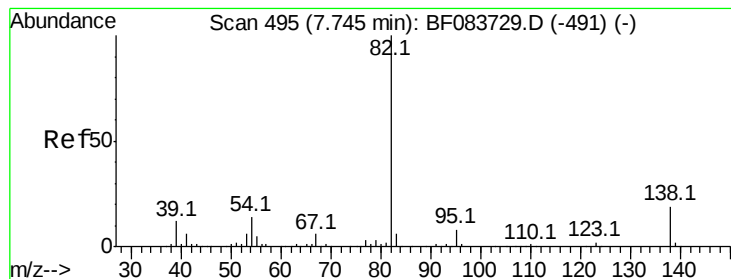
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Time-->





#25

Isophorone

Concen: 40.78 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

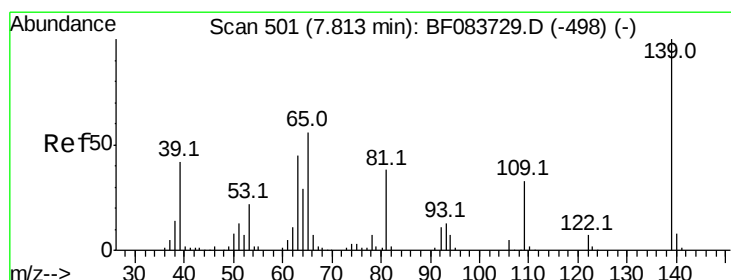
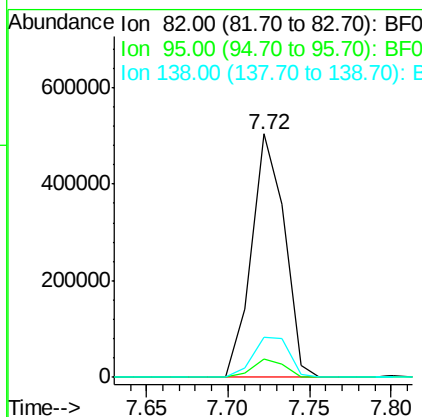
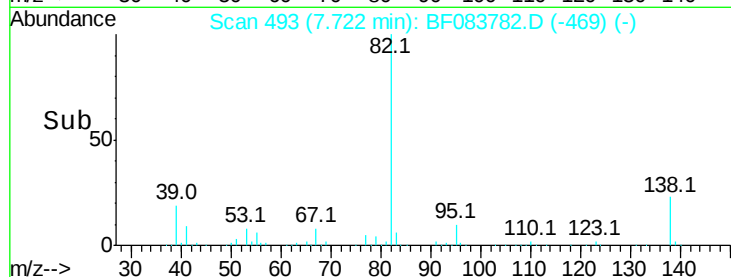
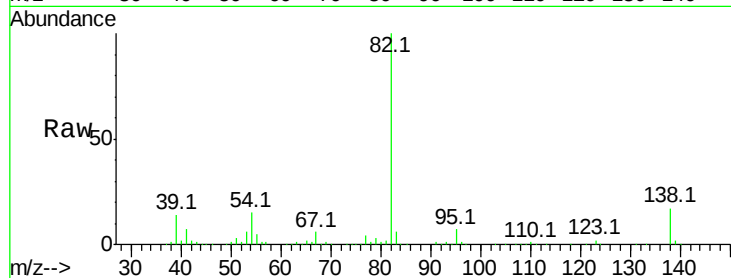
Tot Ion: 82 Resp: 707939

Ion Ratio Lower Upper

82 100

95 7.3 5.0 7.4

138 16.6 12.1 18.1



#26

2-Nitrophenol

Concen: 47.98 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

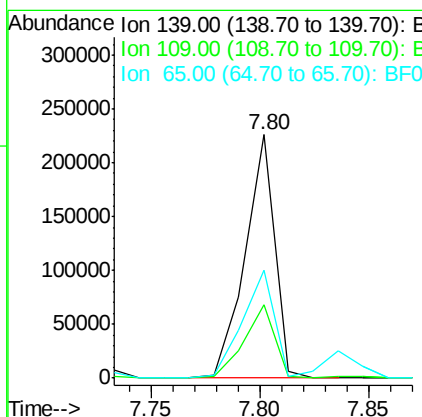
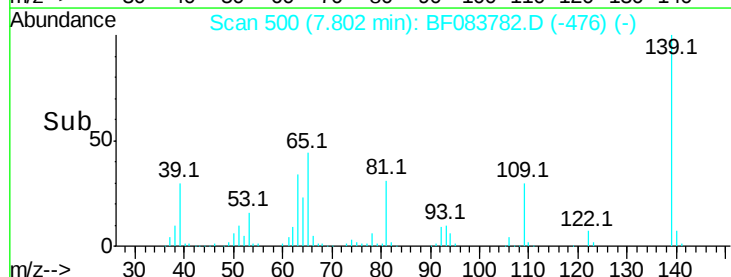
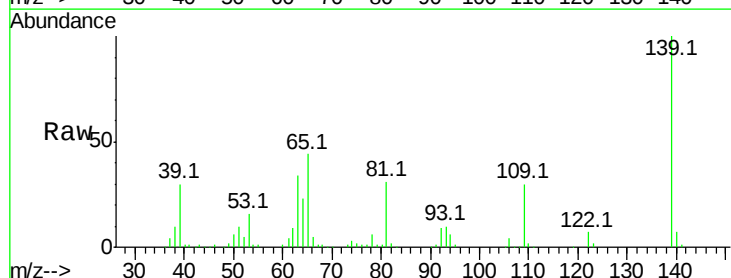
Tgt Ion: 139 Resp: 212255

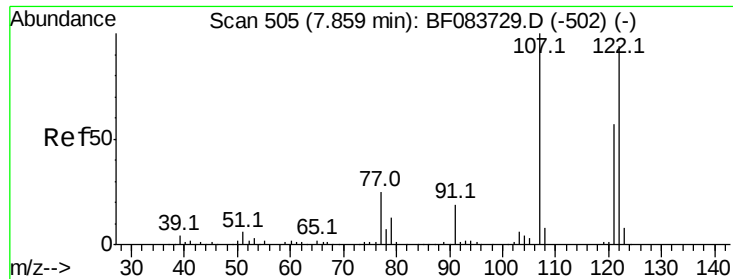
Ion Ratio Lower Upper

139 100

109 30.2 22.7 34.1

65 44.2 51.8 77.8#

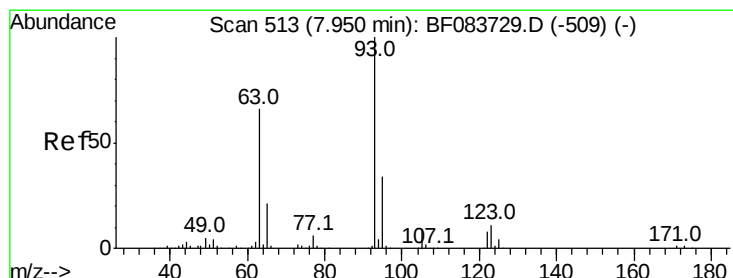
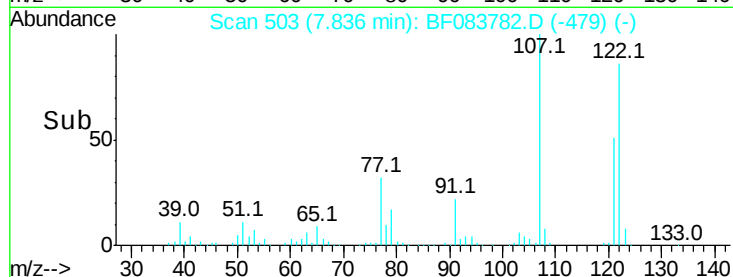
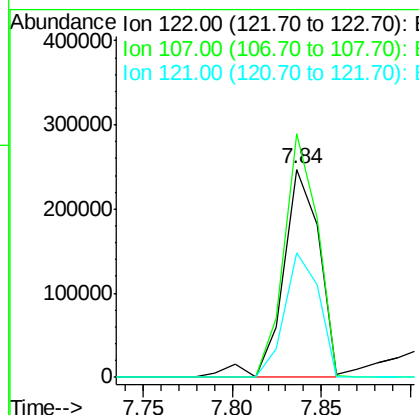
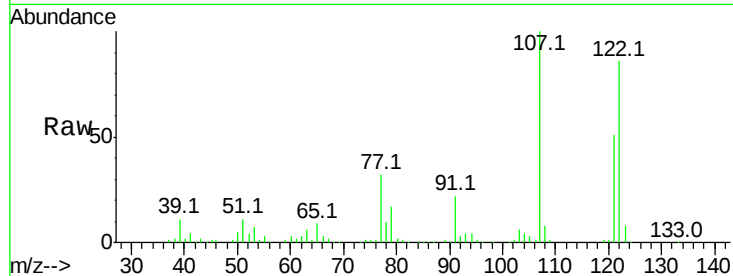




#27
 2,4-Dimethylphenol
 Concen: 40.47 ng/ml
 RT: 7.84 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

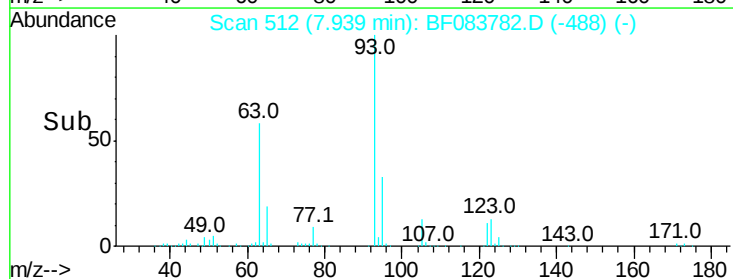
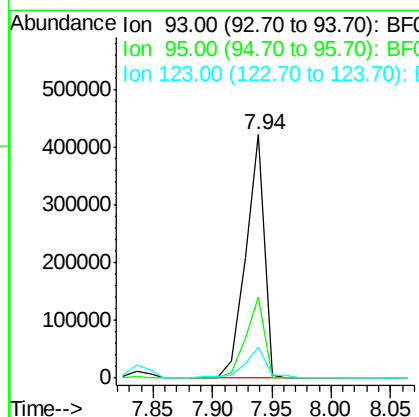
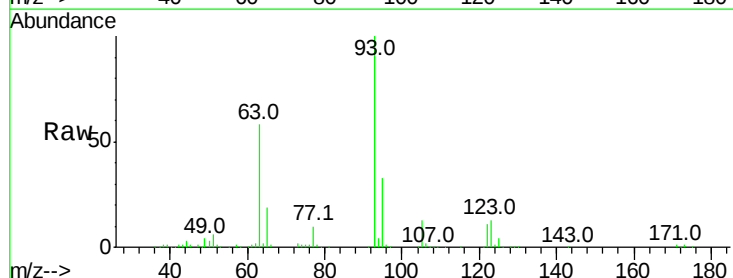
Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

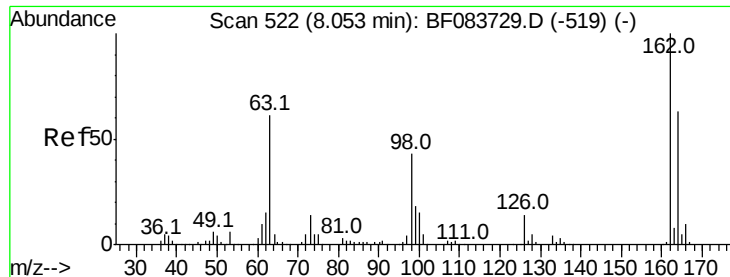
Tot Ion:	122	Resp:	351813
Ion	Ratio	Lower	Upper
122	100		
107	116.9	92.4	138.6
121	59.9	45.8	68.6



#28
 bis(2-Chloroethoxy)methane
 Concen: 46.21 ng/ml
 RT: 7.94 min Scan# 512
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Tgt Ion:	93	Resp:	457700
Ion	Ratio	Lower	Upper
93	100		
95	33.2	25.6	38.4
123	12.8	7.3	10.9#

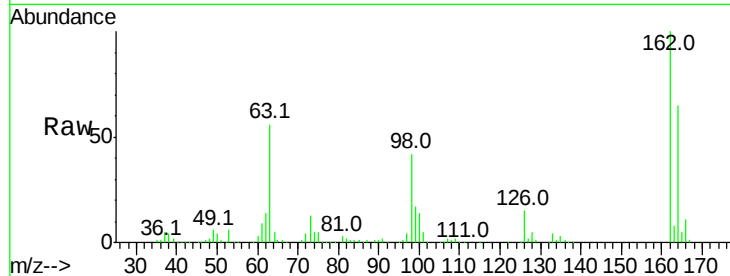




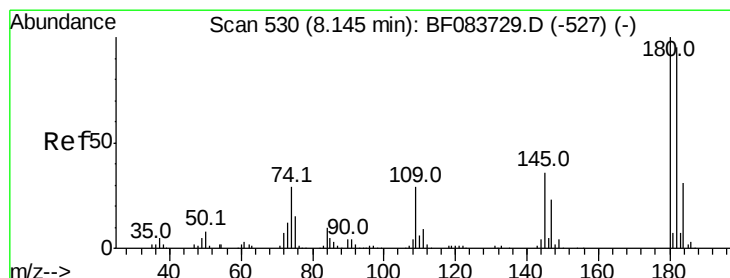
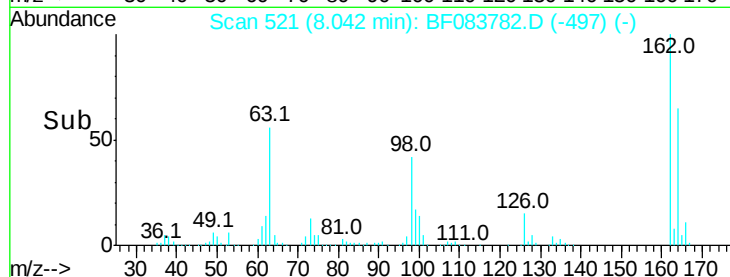
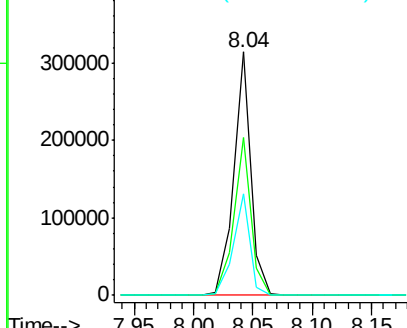
#29
 2,4-Dichlorophenol
 Concen: 44.21 ng
 RT: 8.04 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.0	43.4	83.4
98	41.5	17.5	57.5

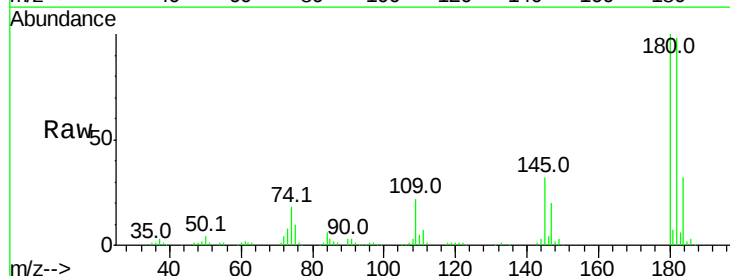


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): E

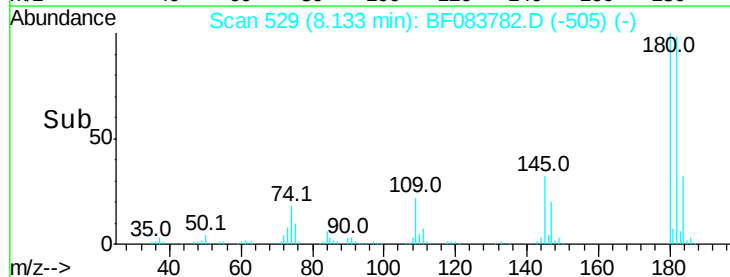
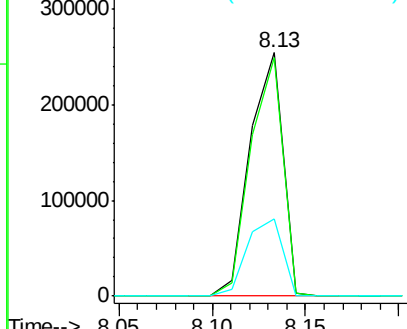


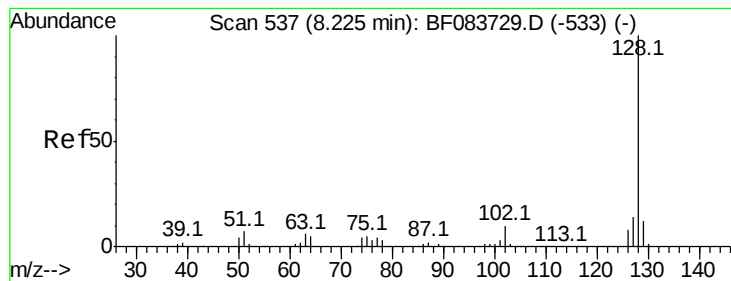
#30
 1,2,4-Trichlorobenzene
 Concen: 41.82 ng
 RT: 8.13 min Scan# 529
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	74.9	112.3
145	31.9	24.7	37.1



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





#31

Naphthalene

Concen: 45.58 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

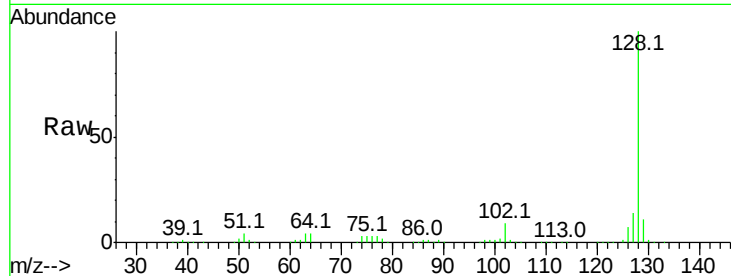
Tot Ion:128 Resp: 1176087

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

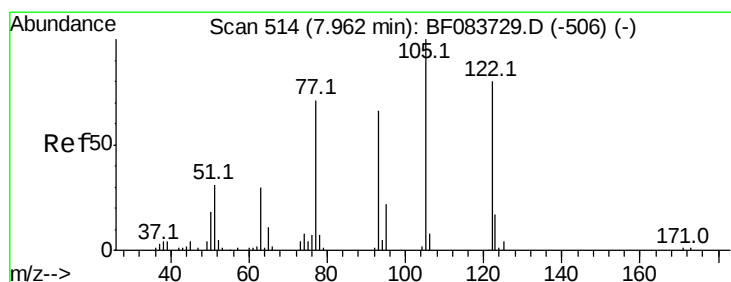
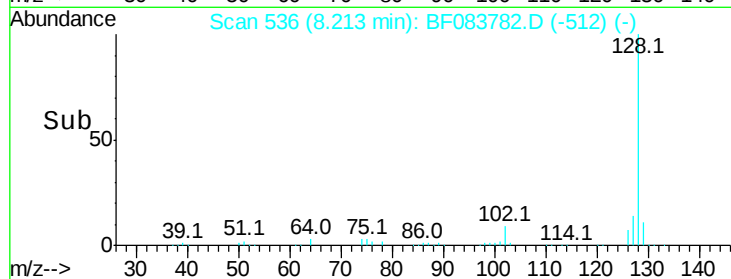
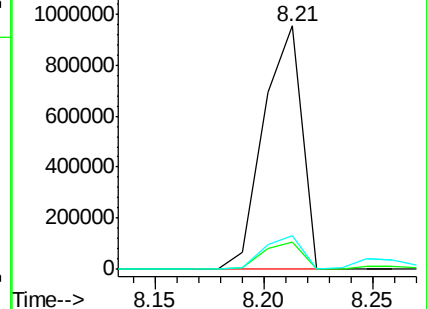
127 13.7 10.6 16.0



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: 45.41 ng m

RT: 7.96 min Scan# 514

Delta R.T. 0.00 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

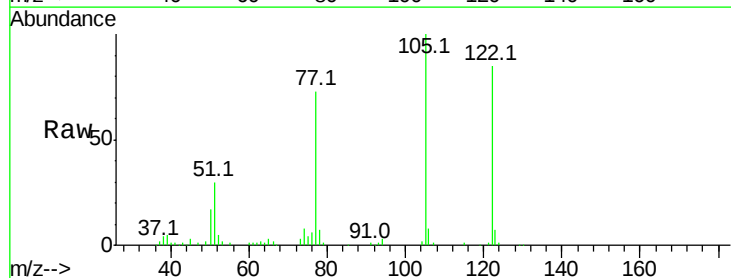
Tgt Ion:122 Resp: 245979

Ion Ratio Lower Upper

122 100

105 118.3 105.6 145.6

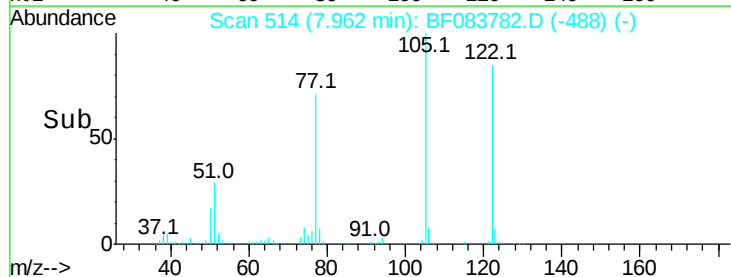
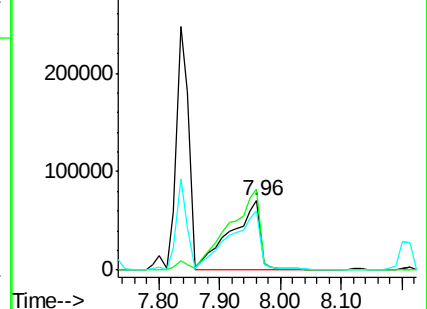
77 86.7 86.8 126.8#

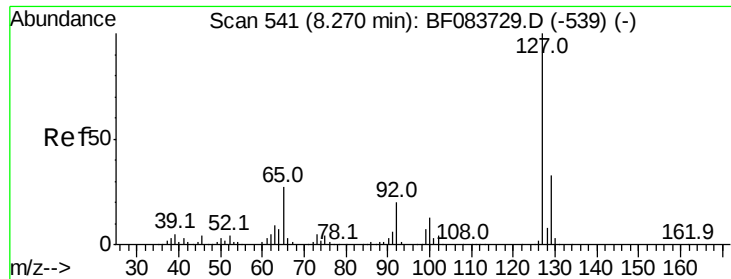


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

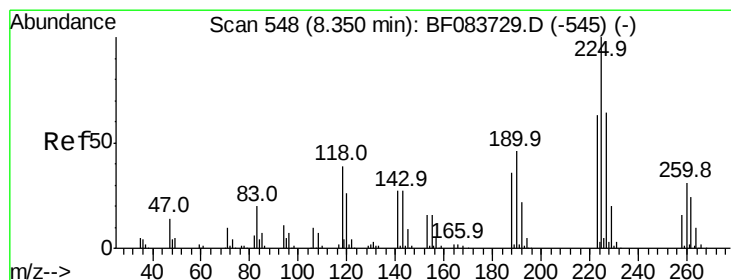
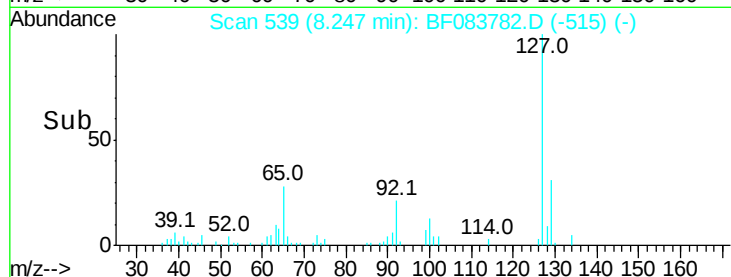
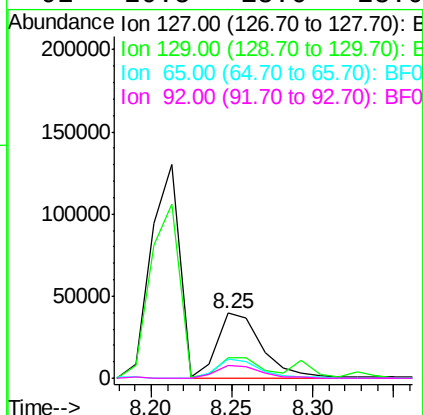
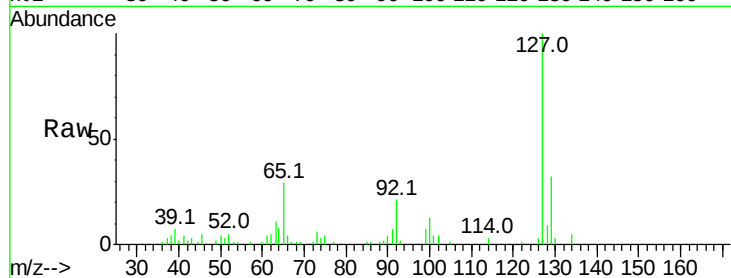




#33
4-Chloroaniline
Concen: 7.32 ng/ml
RT: 8.25 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

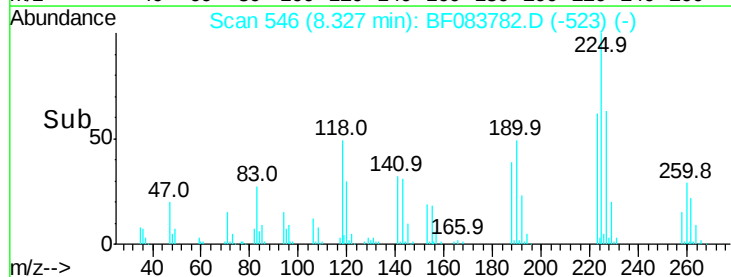
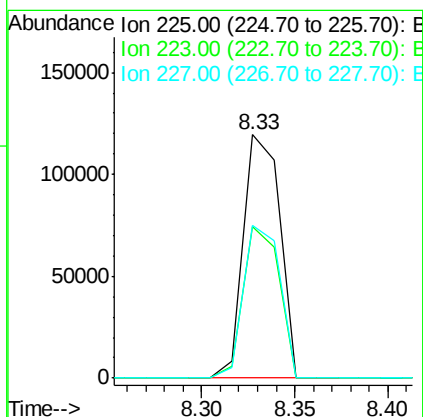
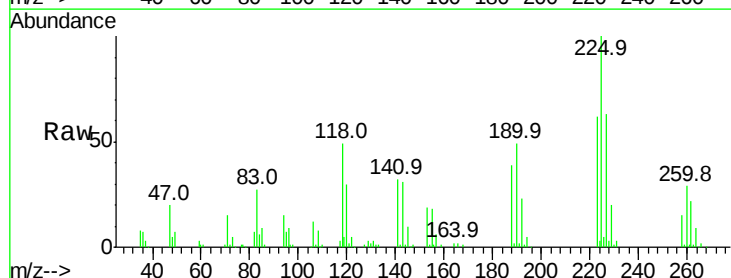
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMSD

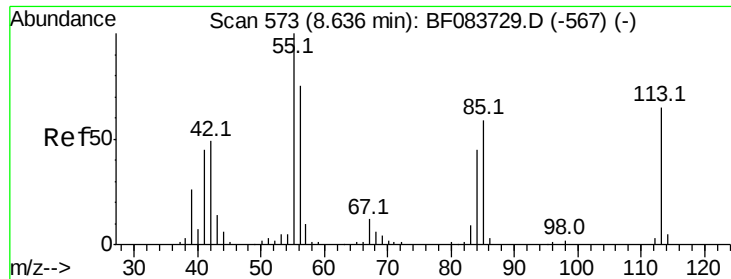
Tot Ion:	127	Resp:	77096
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	28.7	33.5	50.3
92	20.5	18.6	28.0



#34
Hexachlorobutadiene
Concen: 39.74 ng/ml
RT: 8.33 min Scan# 546
Delta R.T. -0.03 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

Tgt Ion:	225	Resp:	161386
Ion	Ratio	Lower	Upper
225	100		
223	62.5	52.3	78.5
227	63.0	50.4	75.6

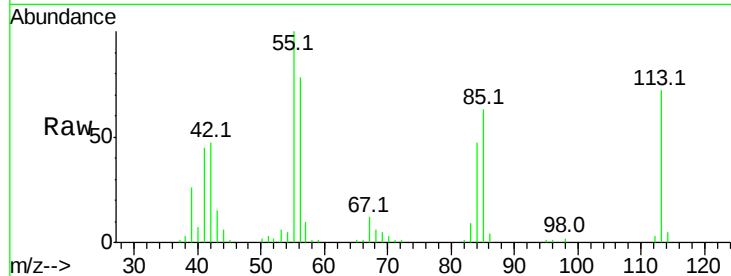




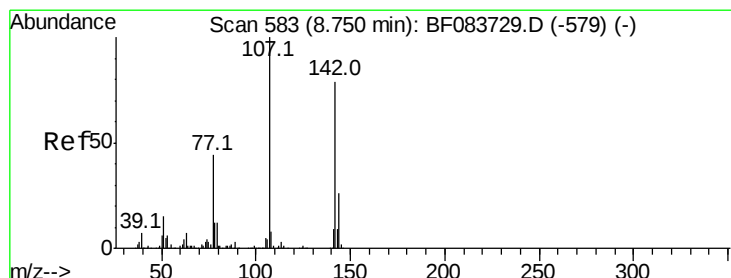
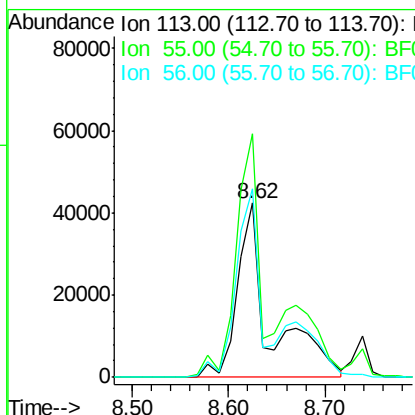
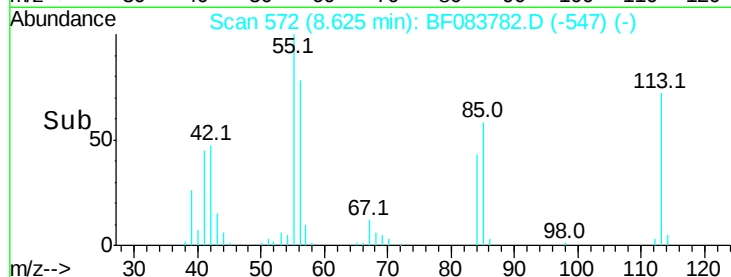
#35
 Caprolactam
 Concen: 43.72 ng/ml
 RT: 8.62 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

Tot Ion:113 Resp: 100175
 Ion Ratio Lower Upper
 113 100
 55 139.8 189.7 229.7#
 56 108.6 130.7 170.7#

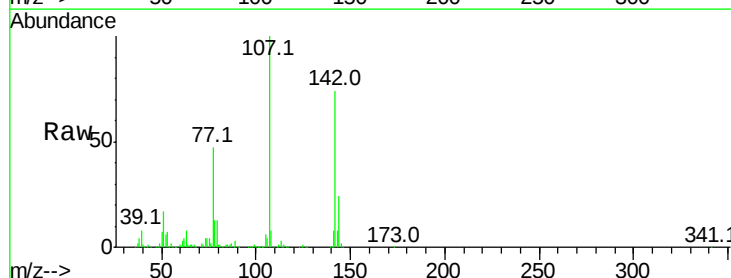


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

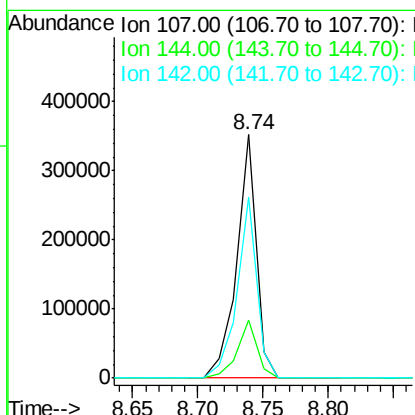
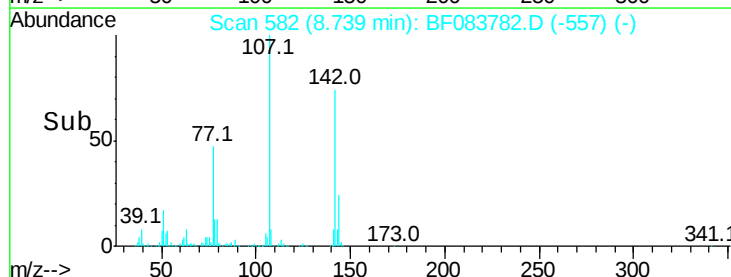


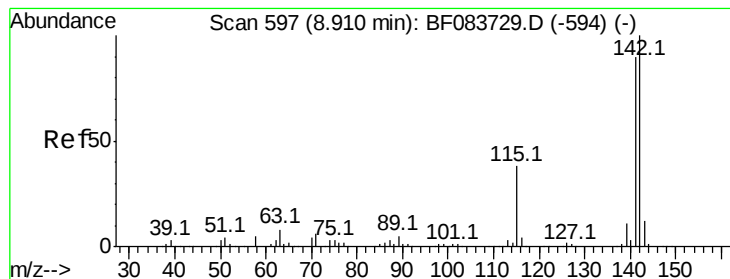
#36
 4-Chloro-3-methylphenol
 Concen: 44.00 ng
 RT: 8.74 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Tgt Ion:107 Resp: 367247
 Ion Ratio Lower Upper
 107 100
 144 23.9 17.5 26.3
 142 74.3 53.6 80.4



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

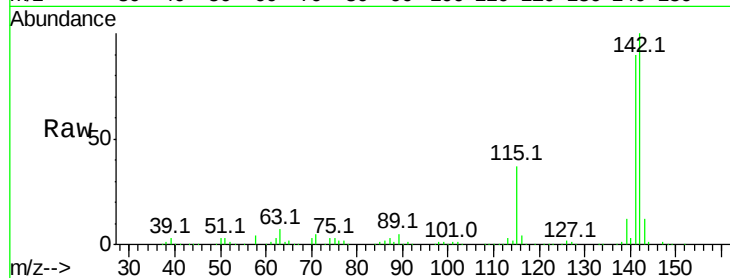




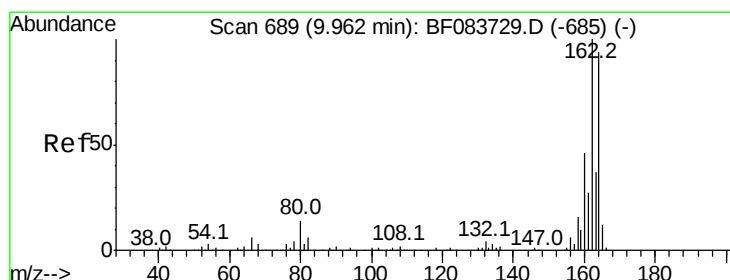
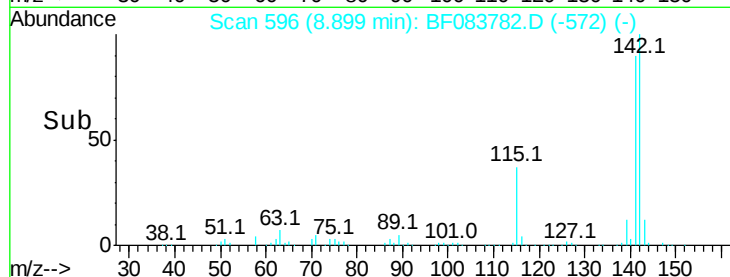
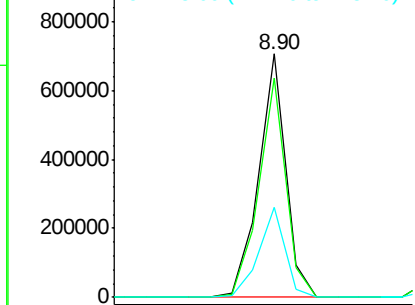
#37
 2-Methylnaphthalene
 Concen: 43.52 ng
 RT: 8.90 min Scan# 596
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.3	105.5
115	36.8	29.2	43.8

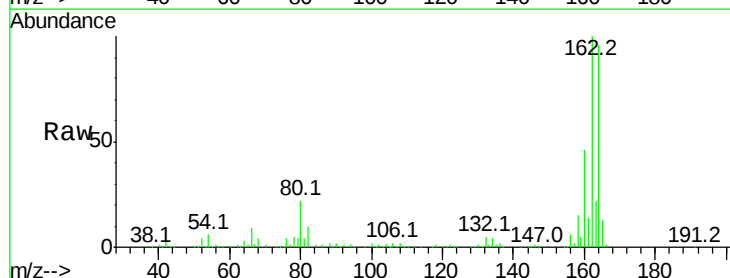


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

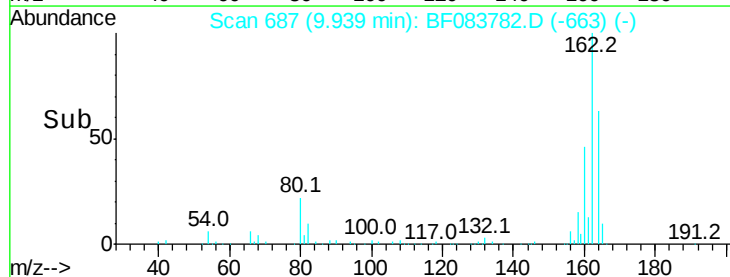
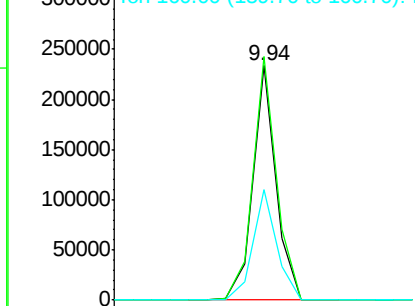


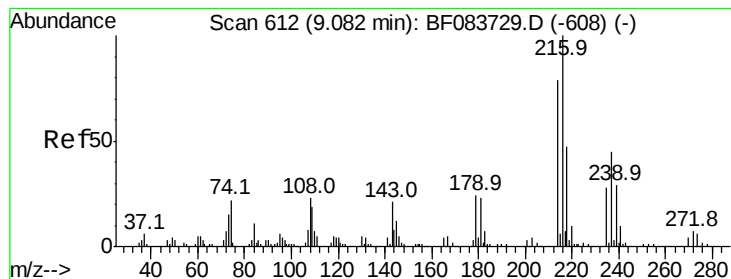
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	78.8	118.2
160	47.3	33.4	50.2



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.95 ng

RT: 9.07 min Scan# 611

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

Tot Ion:216 Resp: 304573

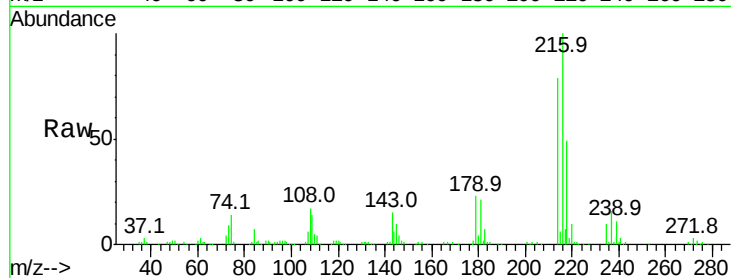
Ion Ratio Lower Upper

216 100

214 79.2 0.0 0.0#

179 22.8 0.0 0.0#

108 22.4 0.0 0.0#

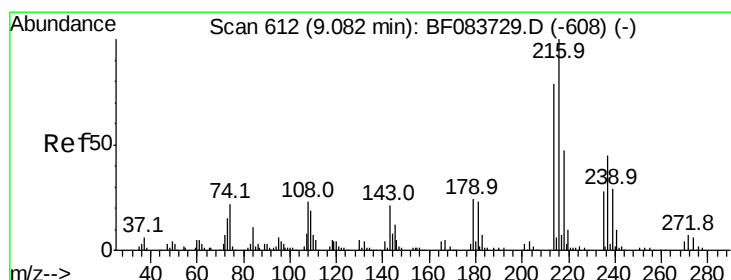
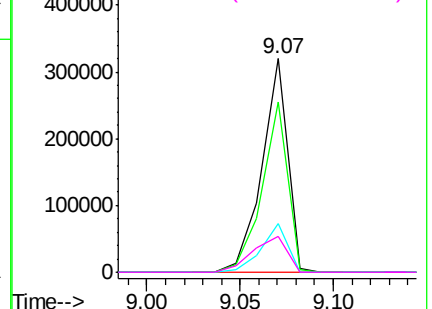
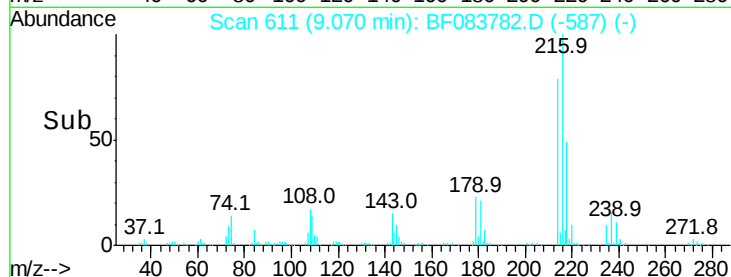


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 89.33 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

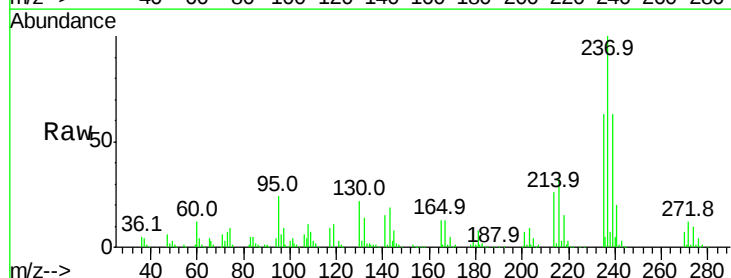
Tgt Ion:237 Resp: 306756

Ion Ratio Lower Upper

237 100

235 62.8 43.9 83.9

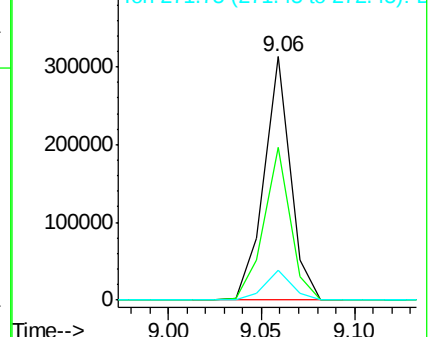
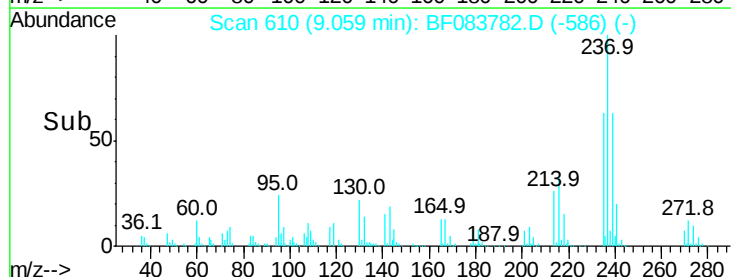
272 12.5 0.0 31.8

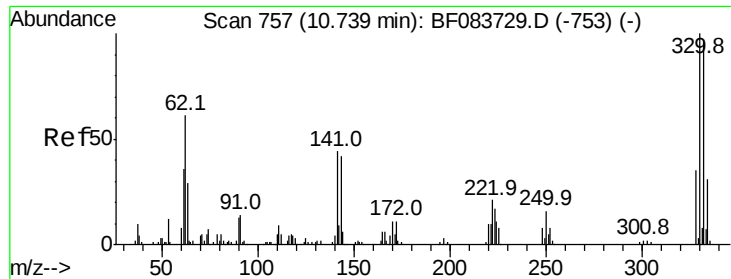


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

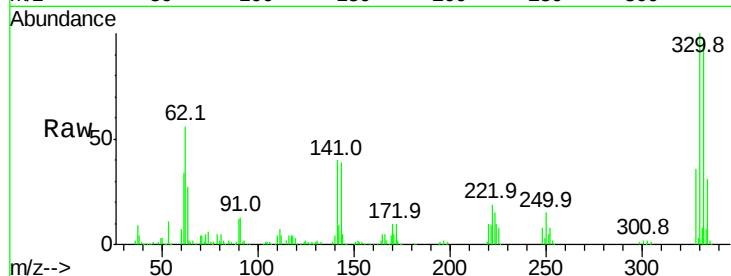




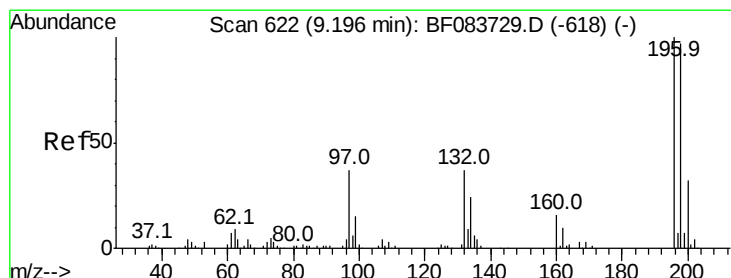
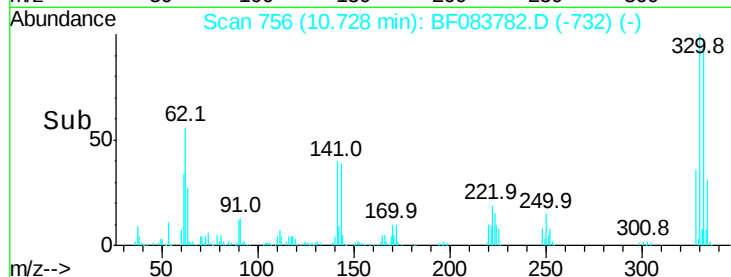
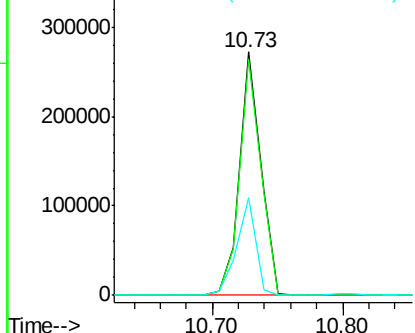
#41
 2,4,6-Tribromophenol
 Concen: 131.56 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	0.0	0.0#
141	35.6	0.0	0.0#

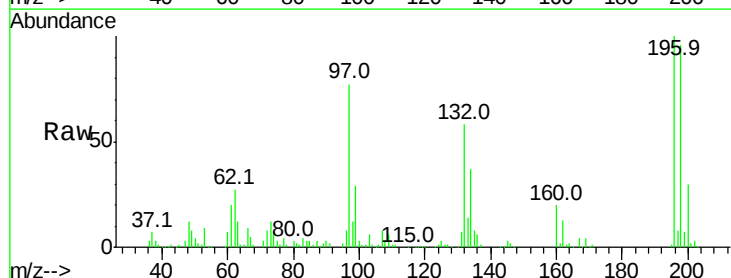


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

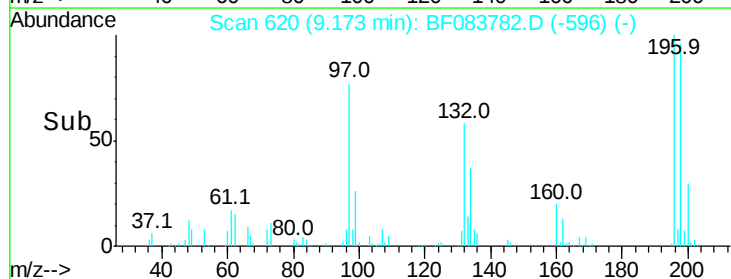
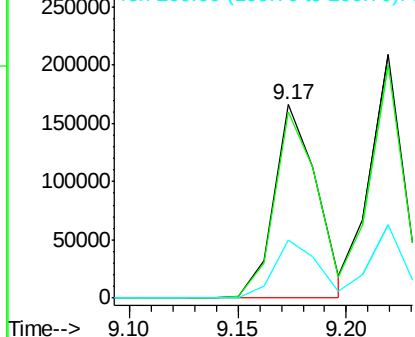


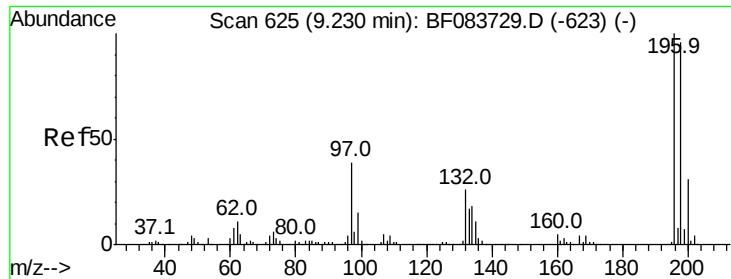
#42
 2,4,6-Trichlorophenol
 Concen: 45.82 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.9	75.2	112.8
200	29.7	23.0	34.6



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

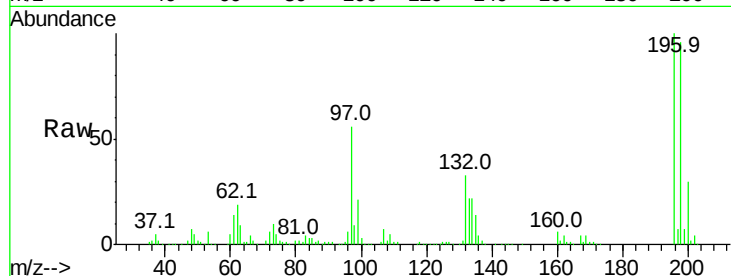




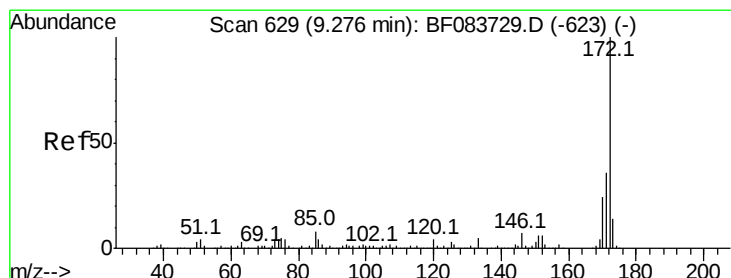
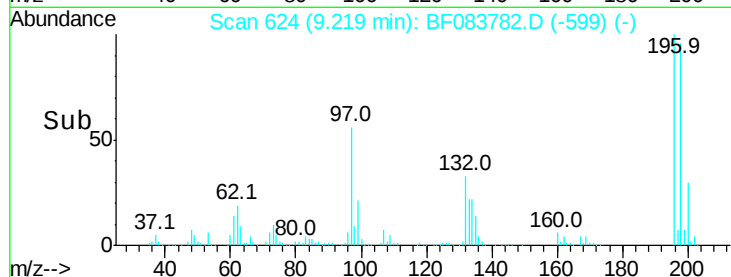
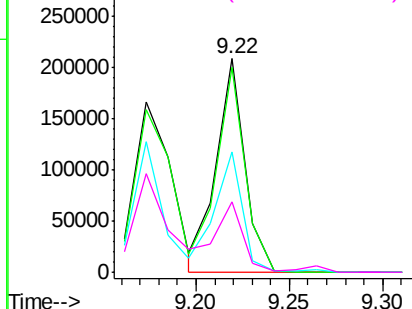
#43
 2,4,5-Trichlorophenol
 Concen: 47.48 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

Tot Ion:196 Resp: 223413
 Ion Ratio Lower Upper
 196 100
 198 95.6 77.7 116.5
 97 56.1 41.2 61.8
 132 33.2 21.8 32.8#

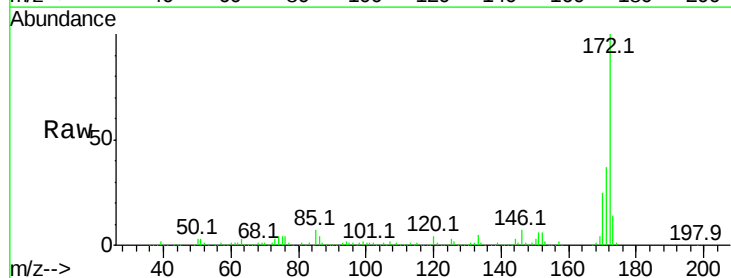


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

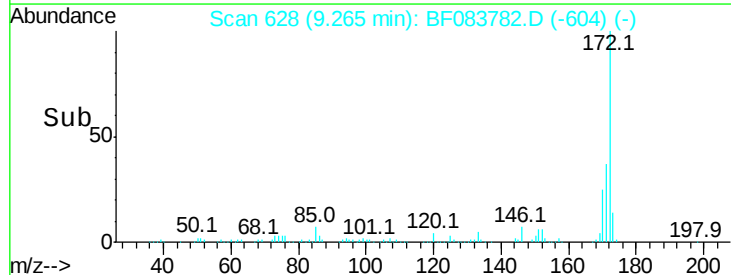
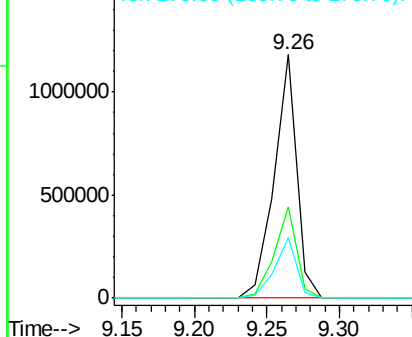


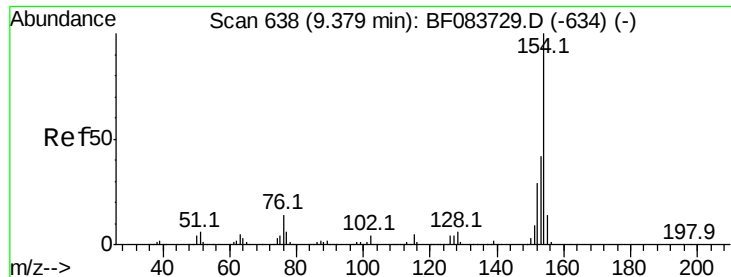
#44
 2-Fluorobiphenyl
 Concen: 79.34 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Tgt Ion:172 Resp: 1269305
 Ion Ratio Lower Upper
 172 100
 171 37.4 28.6 42.8
 170 24.8 19.4 29.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 45.05 ng

RT: 9.37 min Scan# 637

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

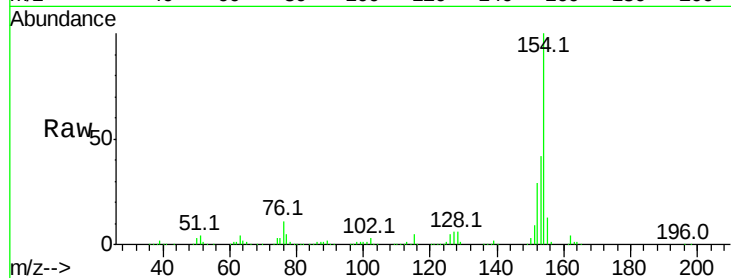
Tot Ion:154 Resp: 917206

Ion Ratio Lower Upper

154 100

153 41.8 20.2 60.2

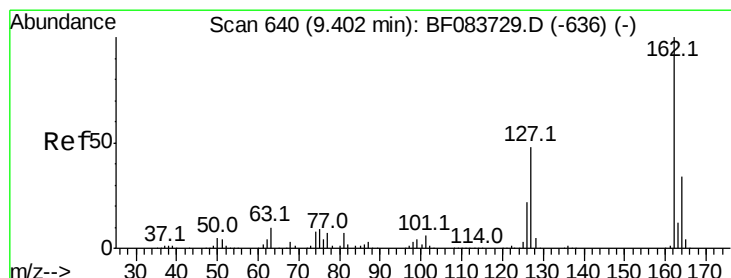
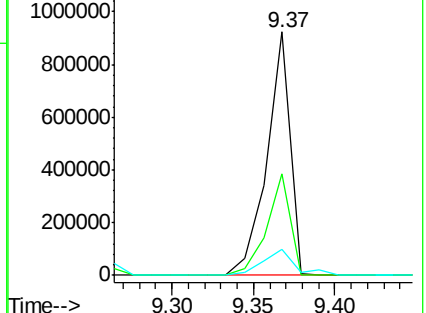
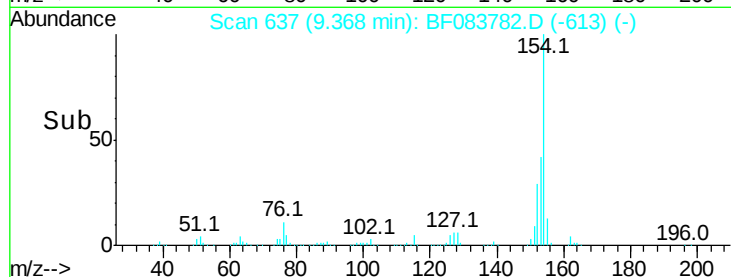
76 10.7 0.0 34.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 45.10 ng

RT: 9.39 min Scan# 639

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

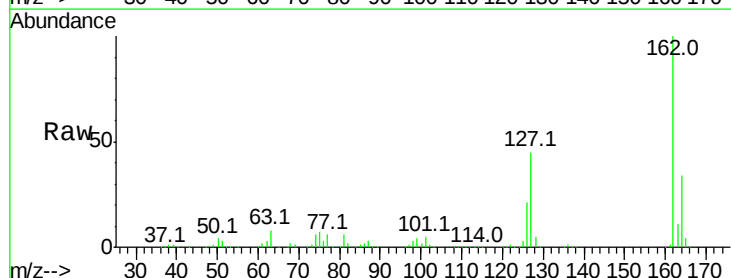
Tgt Ion:162 Resp: 677771

Ion Ratio Lower Upper

162 100

127 45.0 31.0 46.4

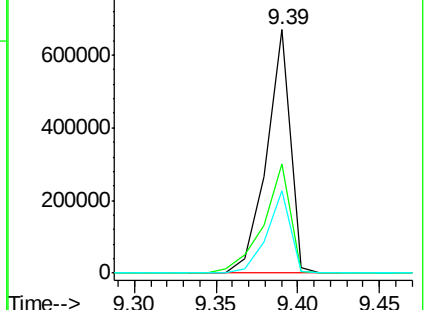
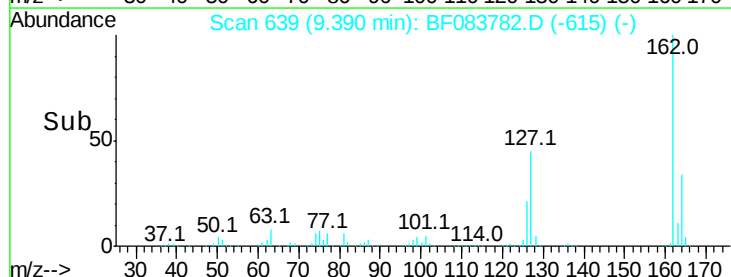
164 33.8 27.4 41.0

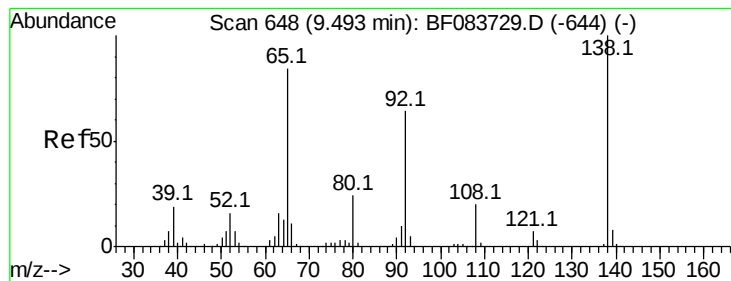


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 53.34 ng

RT: 9.48 min Scan# 647

Delta R.T. -0.01 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

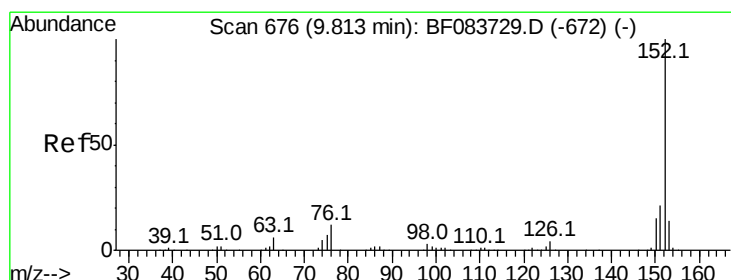
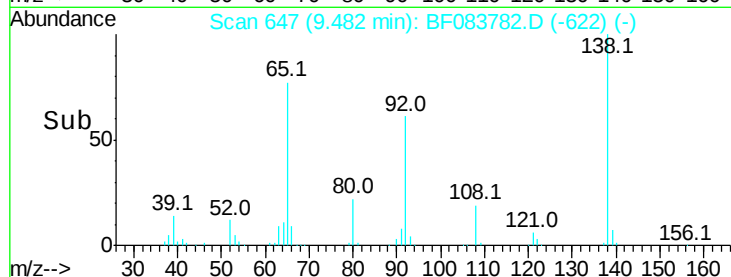
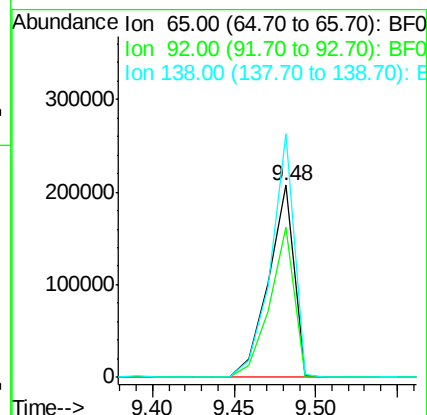
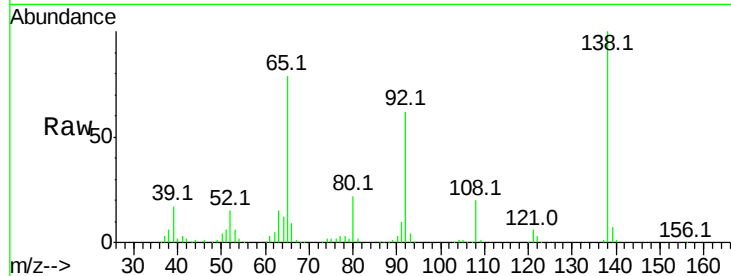
Tot Ion: 65 Resp: 227341

Ion Ratio Lower Upper

65 100

92 78.0 49.6 74.4#

138 126.6 64.1 96.1#



#48

Acenaphthylene

Concen: 41.50 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

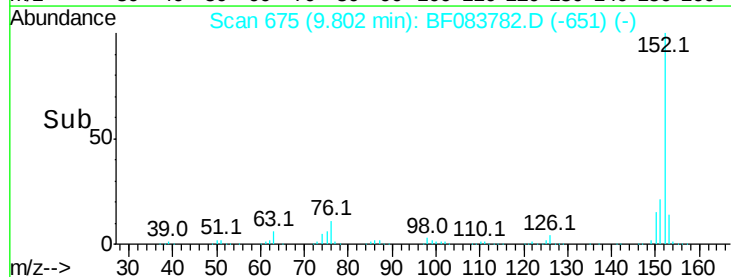
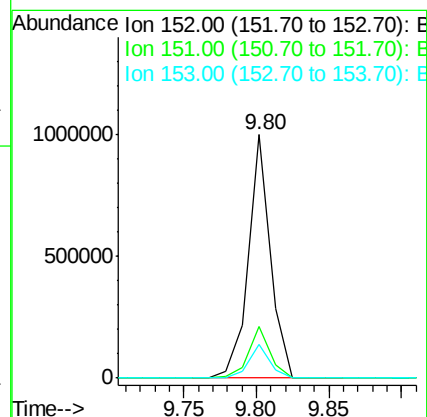
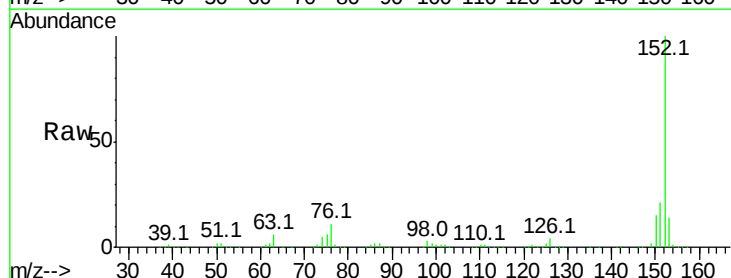
Tgt Ion: 152 Resp: 1049147

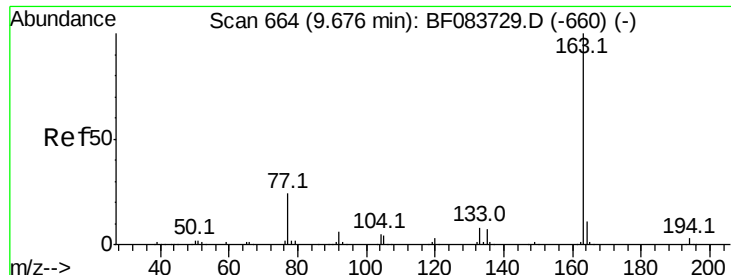
Ion Ratio Lower Upper

152 100

151 21.1 16.3 24.5

153 13.8 10.8 16.2

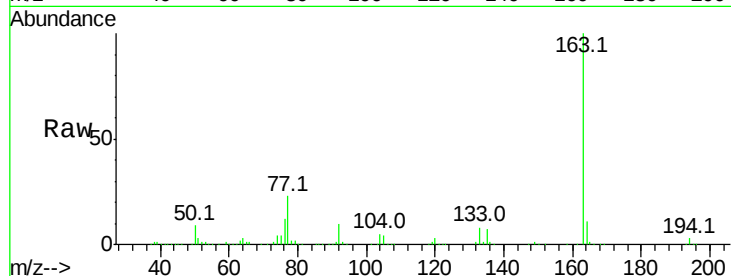




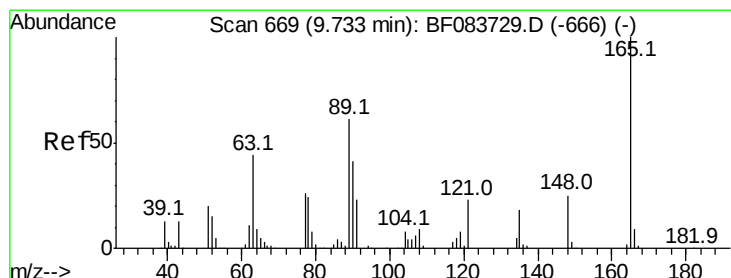
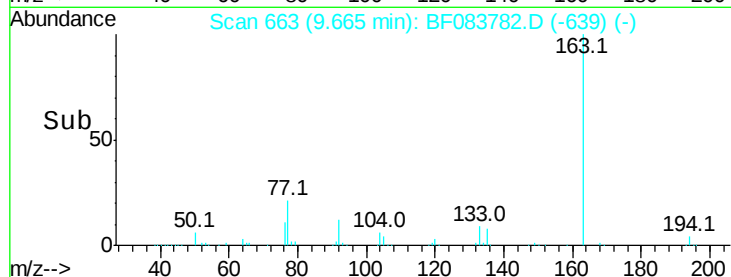
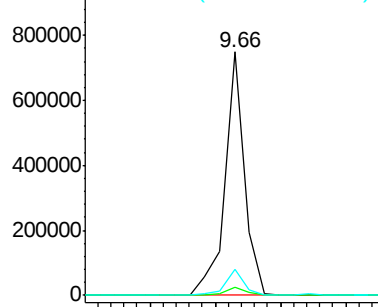
#49
Dimethylphthalate
Concen: 43.79 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.02 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMSD

Tot Ion:163 Resp: 784262
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.8 8.6 13.0

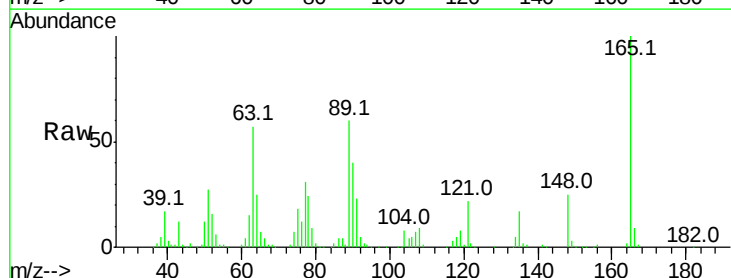


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

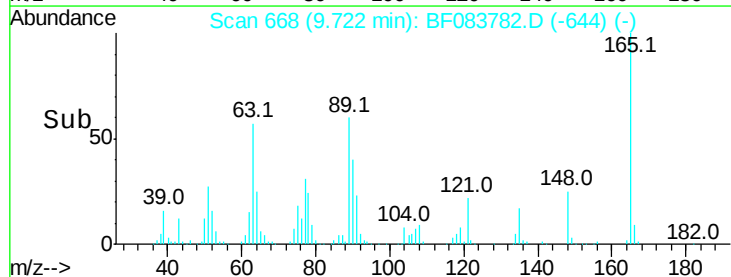
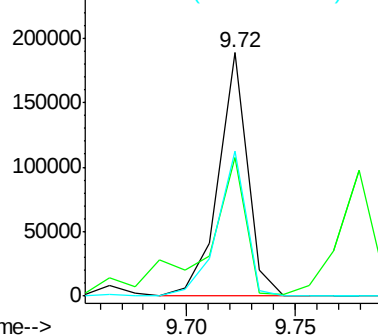


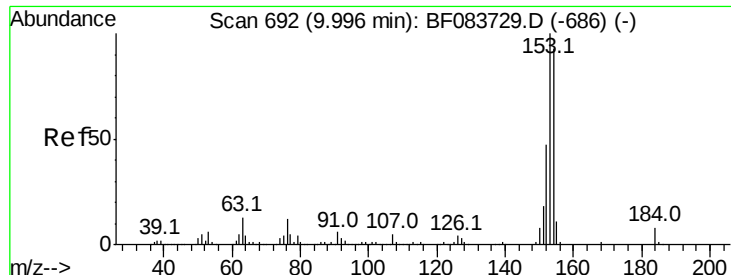
#50
2,6-Dinitrotoluene
Concen: 46.15 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.02 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

Tgt Ion:165 Resp: 175422
Ion Ratio Lower Upper
165 100
63 56.8 56.9 85.3#
89 59.6 52.1 78.1



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





#51

Acenaphthene

Concen: 49.09 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

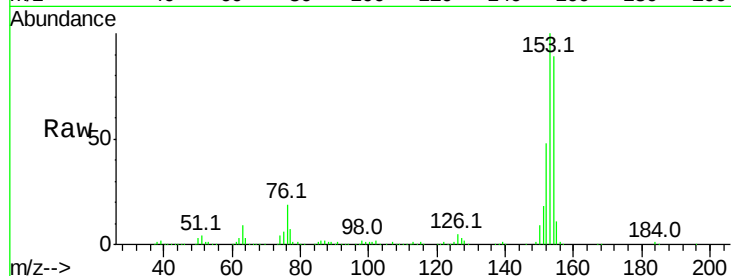
Tot Ion:154 Resp: 750356

Ion Ratio Lower Upper

154 100

153 112.4 91.4 137.0

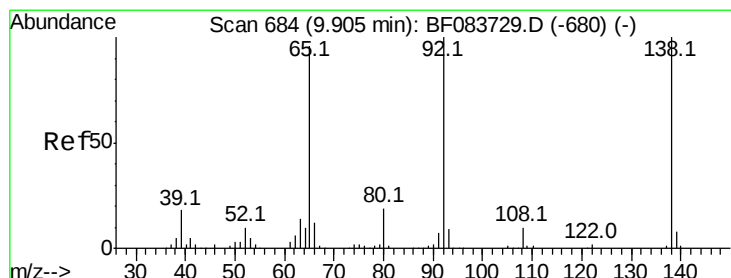
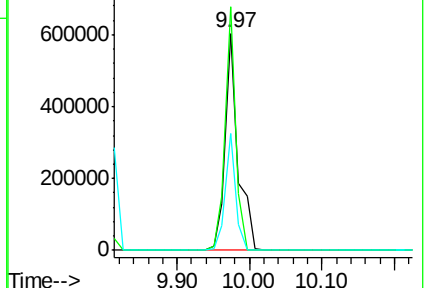
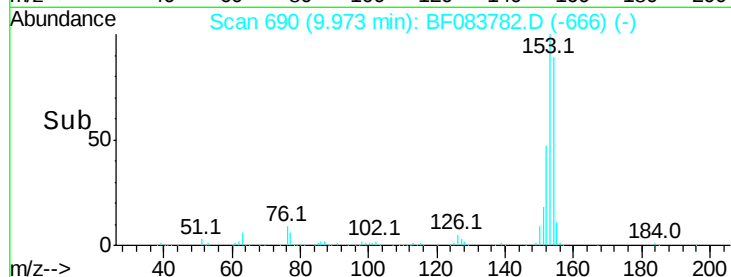
152 54.0 43.4 65.2



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



#52

3-Nitroaniline

Concen: 13.82 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

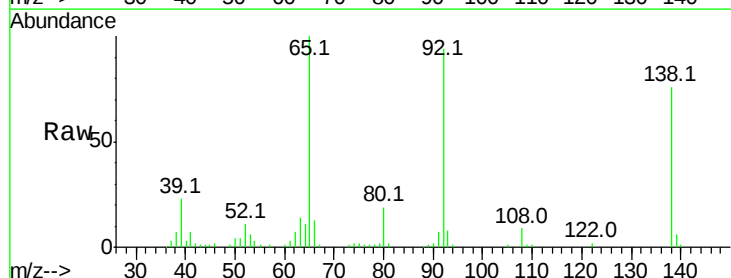
Tgt Ion:138 Resp: 60544

Ion Ratio Lower Upper

138 100

108 12.5 9.9 14.9

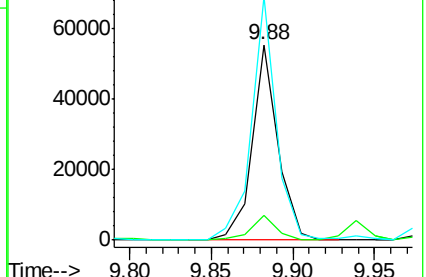
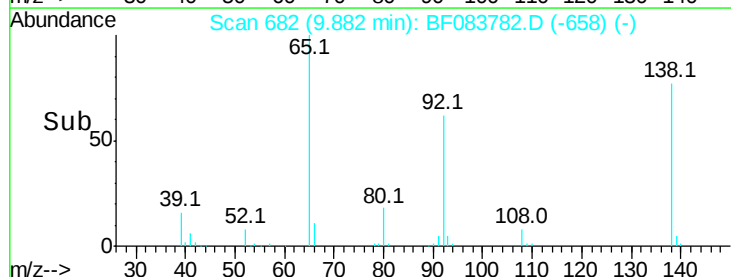
92 124.6 113.8 170.8

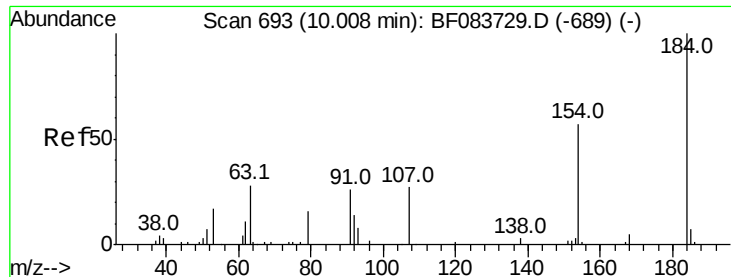


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

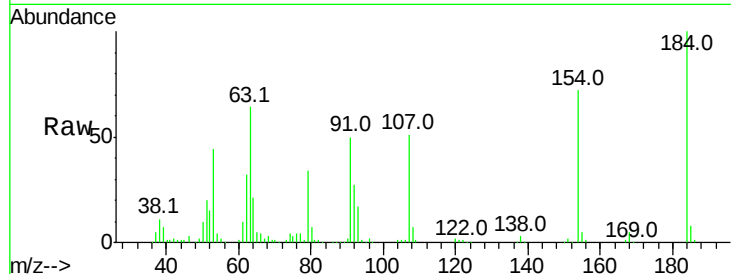




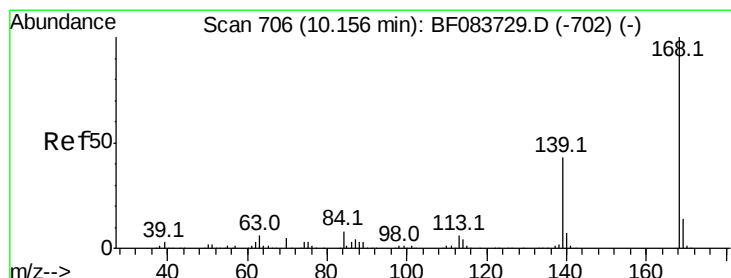
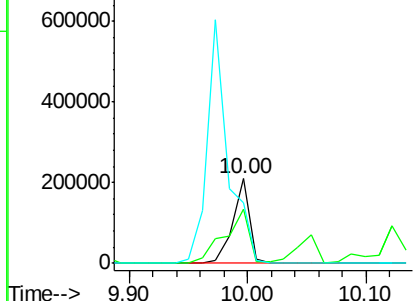
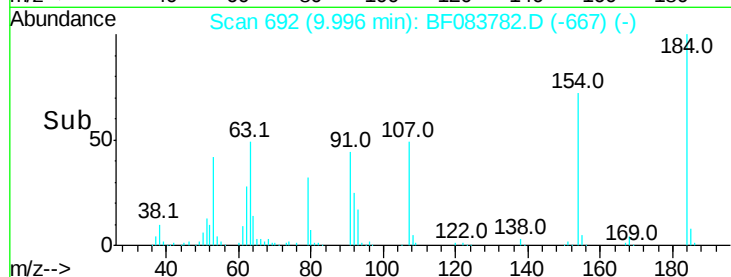
#53
 2,4-Dinitrophenol
 Concen: 92.21 ng
 RT: 10.00 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

Tot Ion:184 Resp: 203472
 Ion Ratio Lower Upper
 184 100
 63 64.1 62.4 93.6
 154 72.0 46.6 69.8#

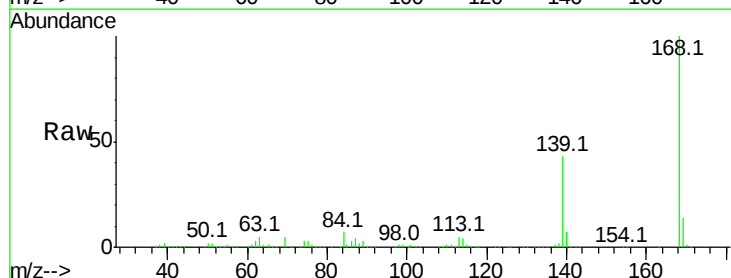


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

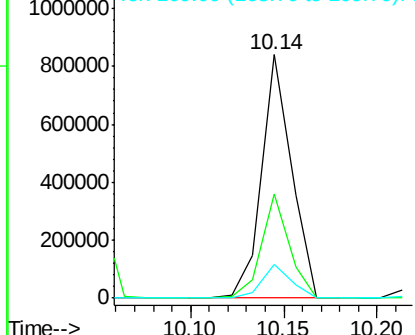
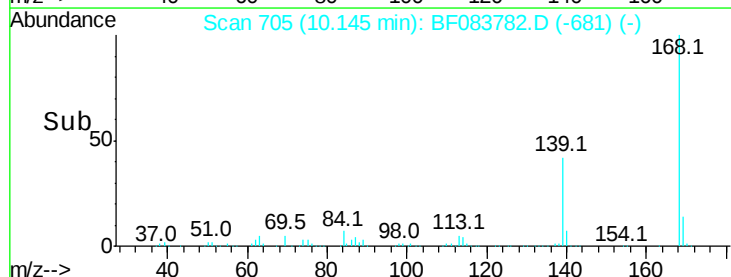


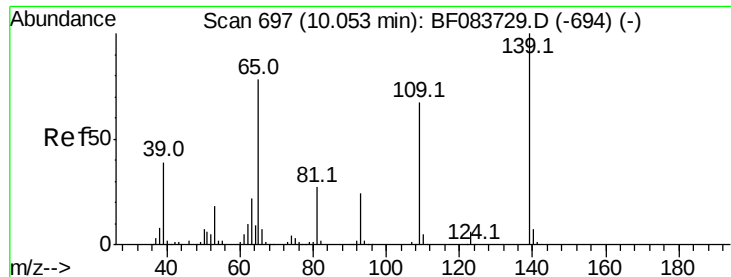
#54
 Dibenzofuran
 Concen: 45.69 ng
 RT: 10.14 min Scan# 705
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Tgt Ion:168 Resp: 925225
 Ion Ratio Lower Upper
 168 100
 139 42.5 28.0 42.0#
 169 13.9 10.8 16.2



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

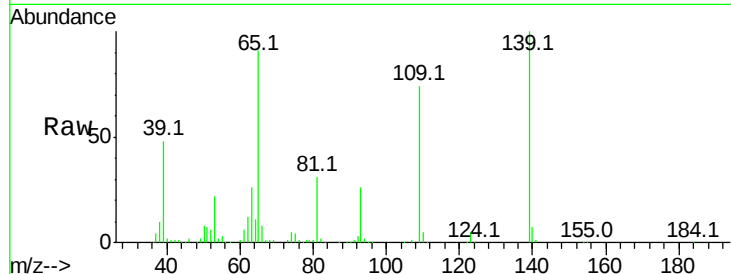




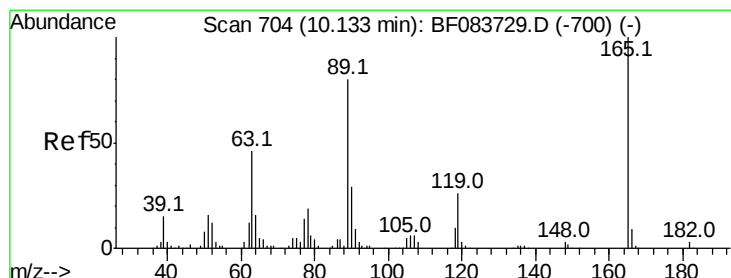
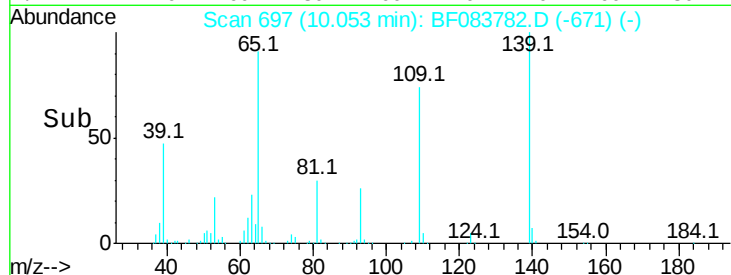
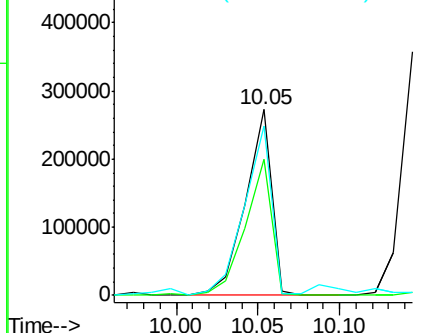
#55
4-Nitrophenol
Concen: 94.29 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMSD

Tot Ion:139 Resp: 305952
Ion Ratio Lower Upper
139 100
109 73.6 42.0 82.0
65 91.0 89.2 129.2

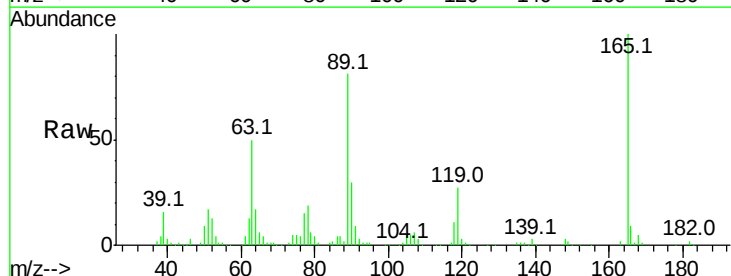


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

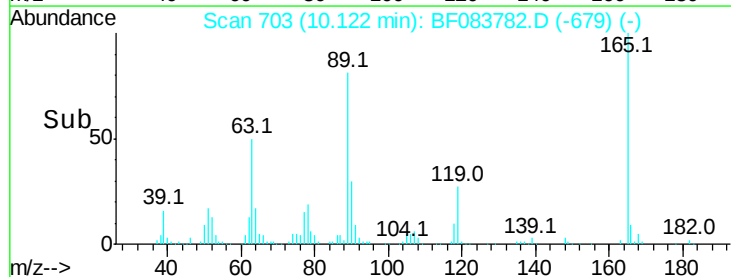
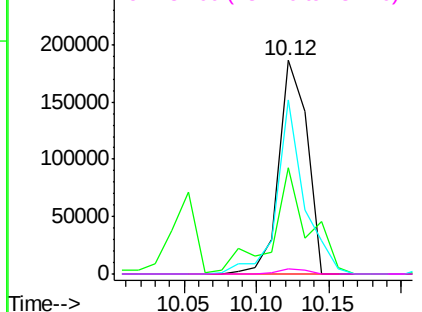


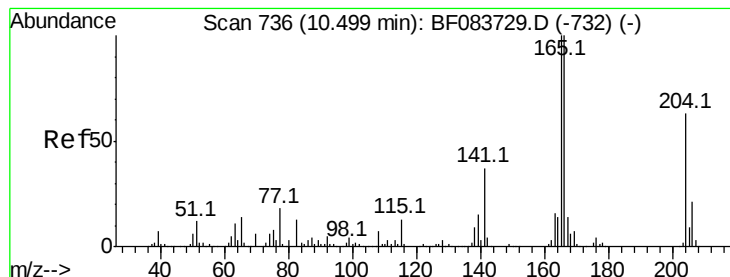
#56
2,4-Dinitrotoluene
Concen: 50.53 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.02 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

Tgt Ion:165 Resp: 250911
Ion Ratio Lower Upper
165 100
63 49.7 51.4 77.2#
89 81.4 72.6 108.8
182 2.3 1.4 2.0#



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





#57

Fluorene

Concen: 41.59 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

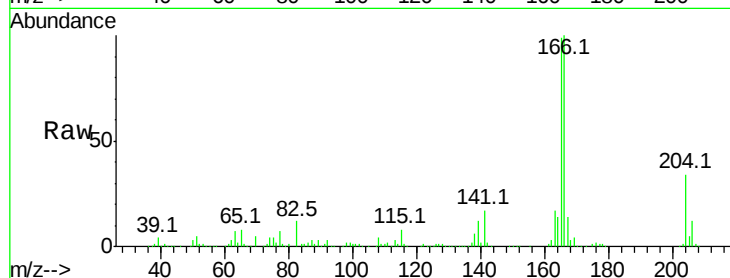
Tot Ion:166 Resp: 663230

Ion Ratio Lower Upper

166 100

165 99.1 80.0 120.0

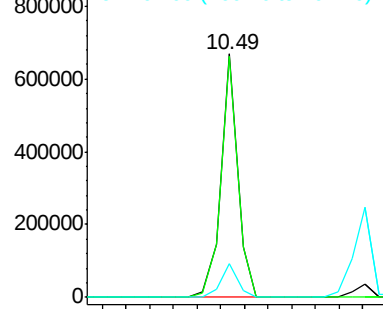
167 14.1 10.6 16.0



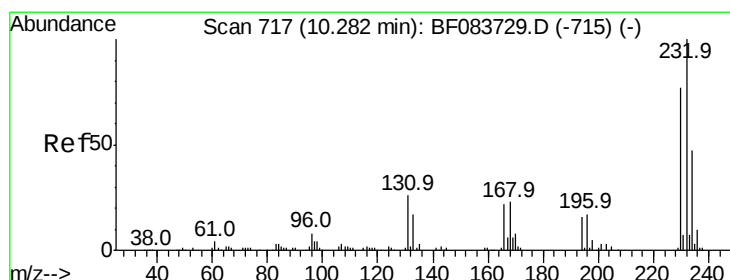
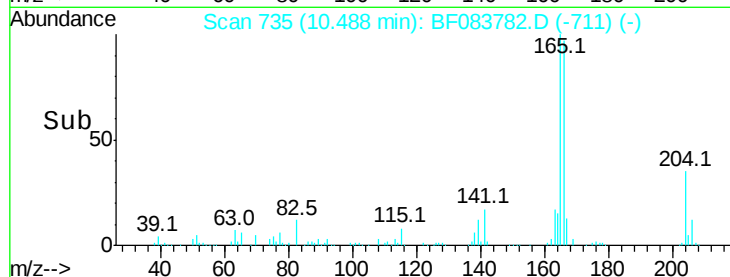
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#58

2,3,4,6-Tetrachlorophenol

Concen: 54.29 ng m

RT: 10.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Tgt Ion:232 Resp: 191613

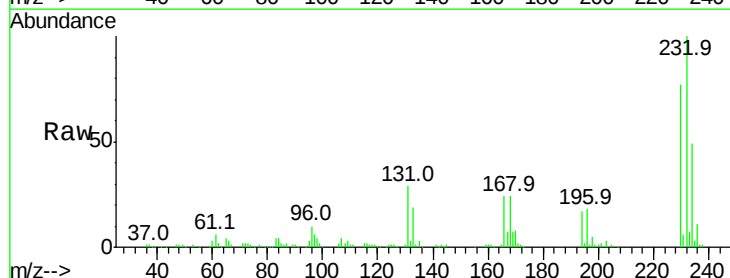
Ion Ratio Lower Upper

232 100

131 49.2 0.0 0.0#

130 2.5 0.0 0.0#

166 33.3 0.0 0.0#

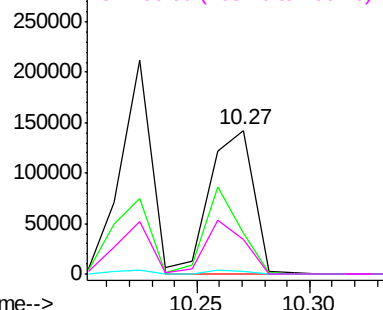


Abundance Ion 232.00 (231.70 to 232.70): E

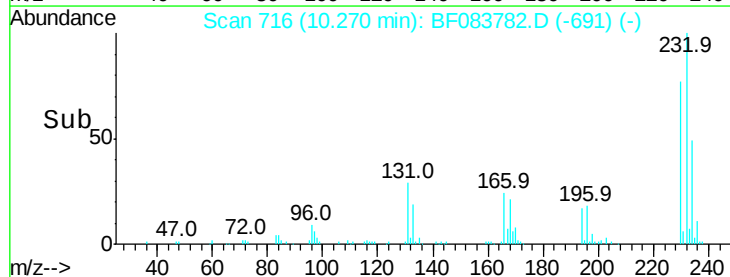
Ion 131.00 (130.70 to 131.70): E

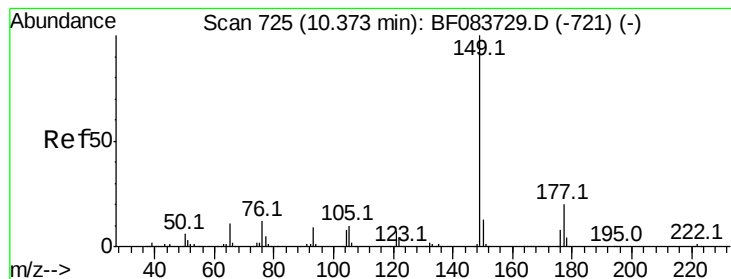
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



Time-->





#59

Diethylphthalate

Concen: 45.22 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

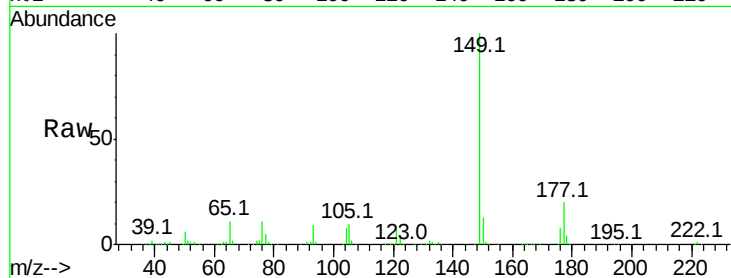
Tot Ion:149 Resp: 819946

Ion Ratio Lower Upper

149 100

177 19.8 16.9 25.3

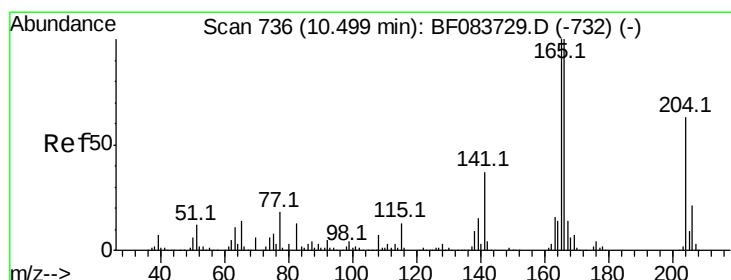
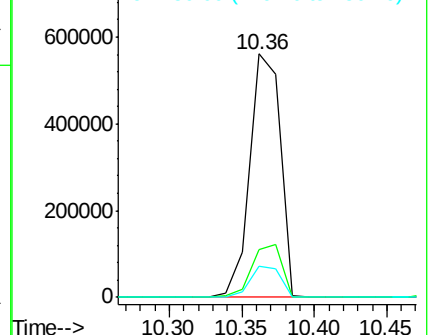
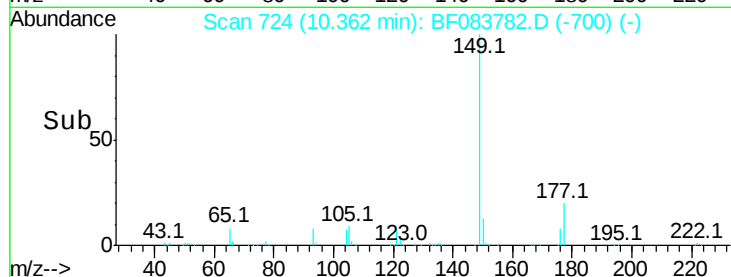
150 13.0 10.2 15.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 44.01 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

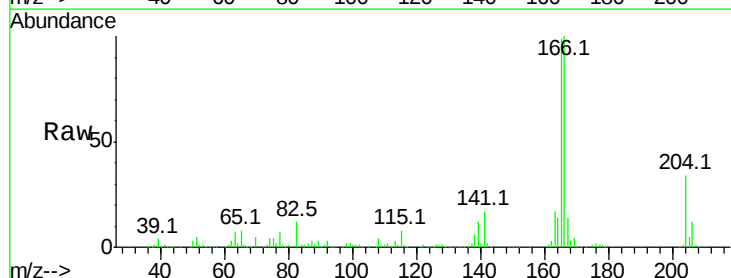
Tgt Ion:204 Resp: 320037

Ion Ratio Lower Upper

204 100

206 33.6 27.3 40.9

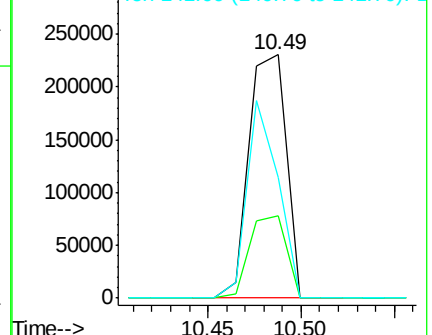
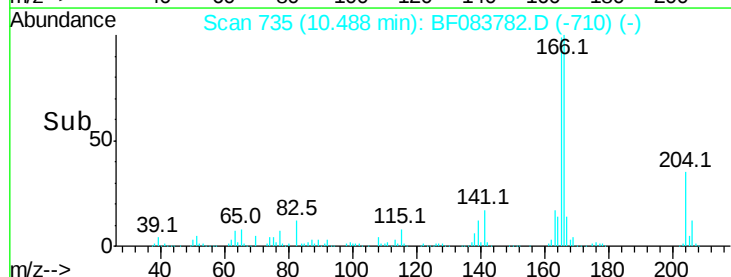
141 49.5 51.9 77.9#

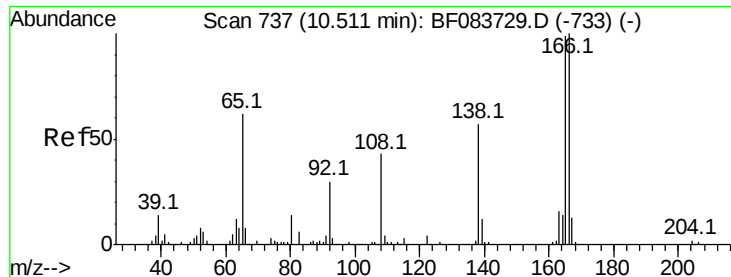


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 40.13 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

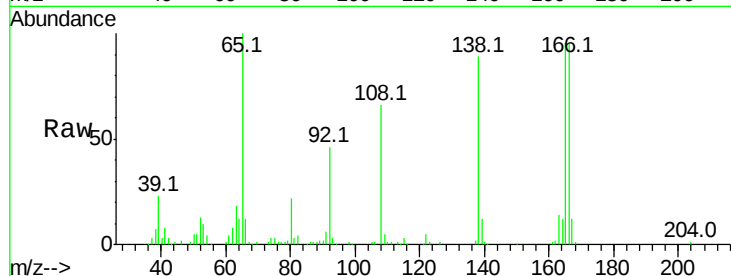
Tot Ion:138 Resp: 155019

Ion Ratio Lower Upper

138 100

92 51.9 29.0 69.0

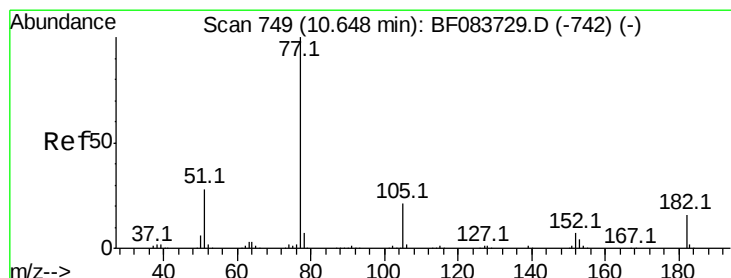
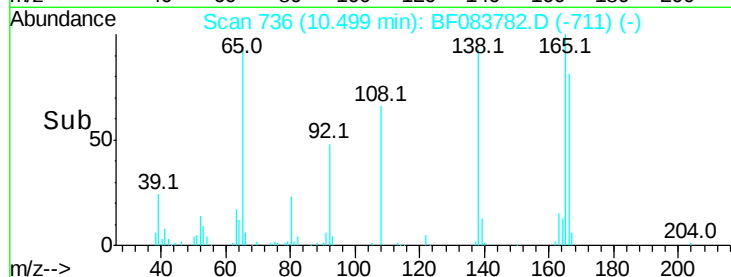
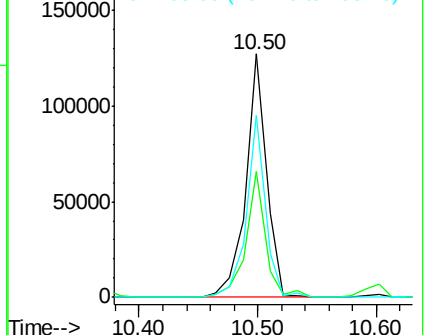
108 75.0 47.4 87.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 48.12 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Tgt Ion: 77 Resp: 795293

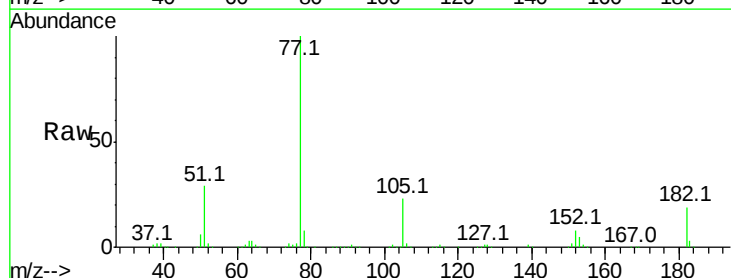
Ion Ratio Lower Upper

77 100

182 19.2 2.5 42.5

105 23.1 2.1 42.1

51 28.6 9.3 49.3

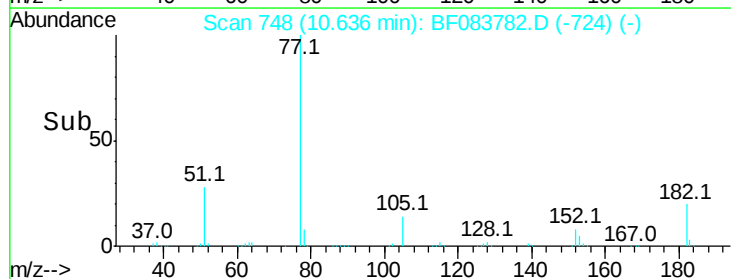
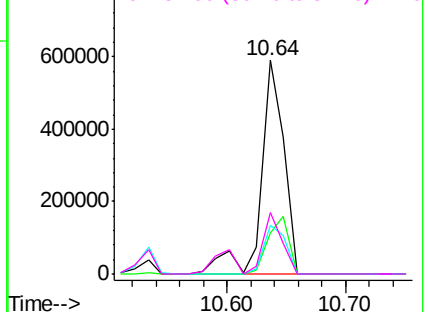


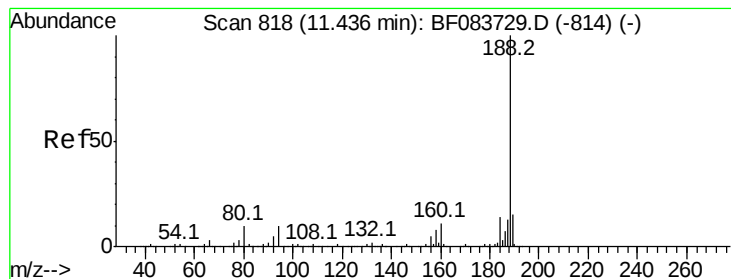
Abundance Ion 77.00 (76.70 to 77.70): BF0

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): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

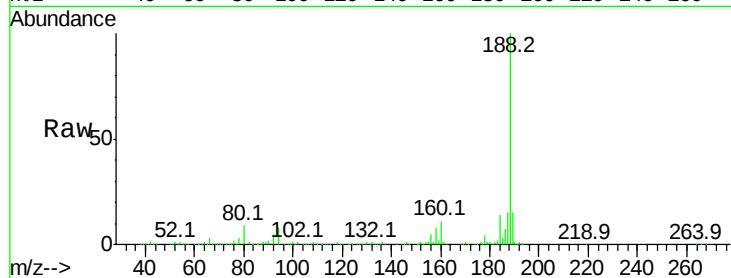
Tot Ion:188 Resp: 442628

Ion Ratio Lower Upper

188 100

94 8.3 9.4 14.2#

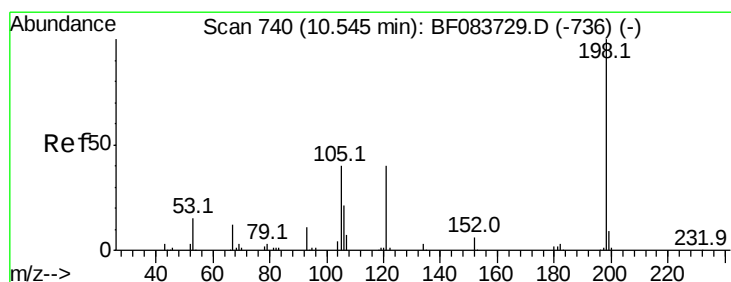
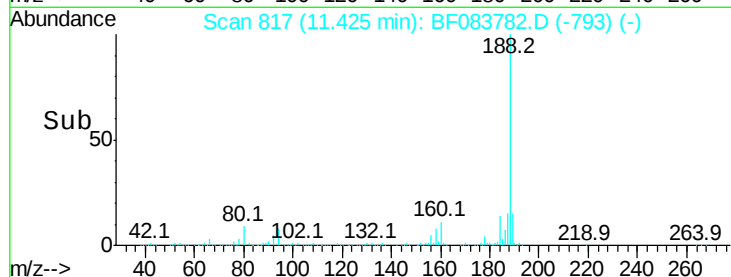
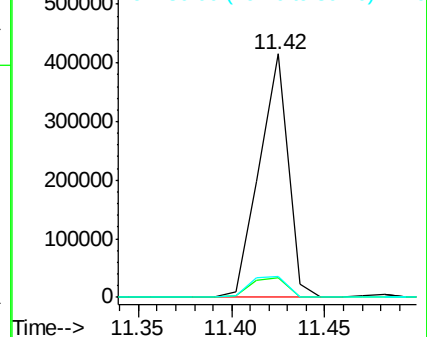
80 8.7 10.6 16.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 53.38 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

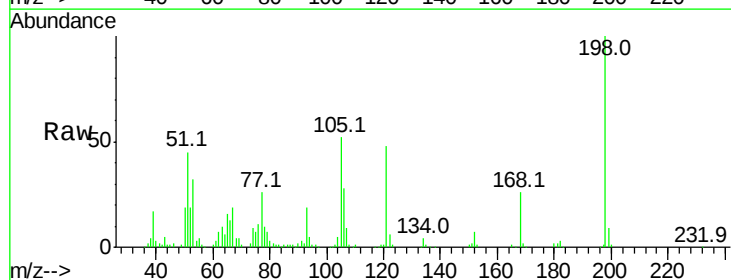
Tgt Ion:198 Resp: 134448

Ion Ratio Lower Upper

198 100

51 45.1 53.8 93.8#

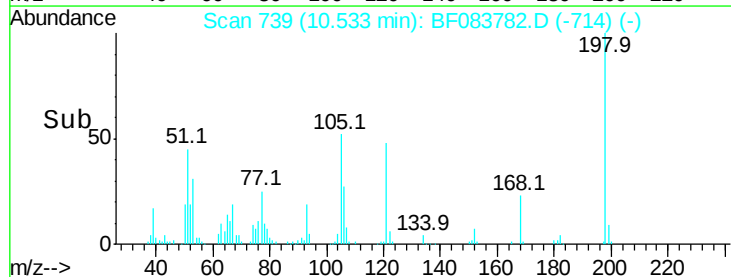
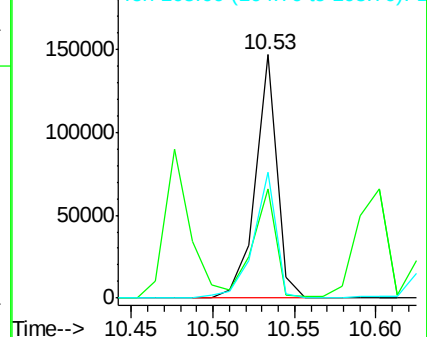
105 51.8 38.6 78.6

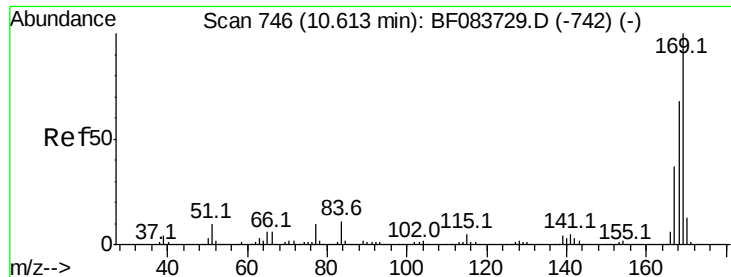


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

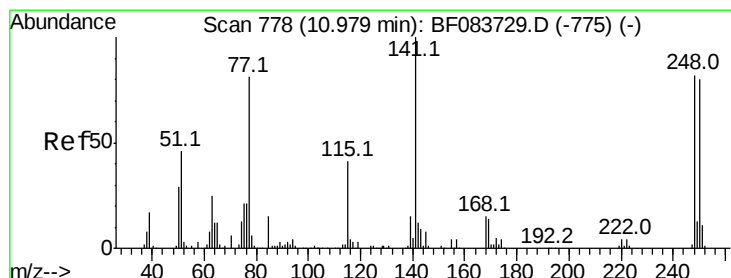
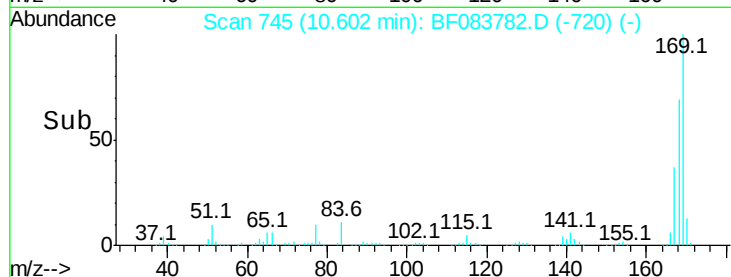
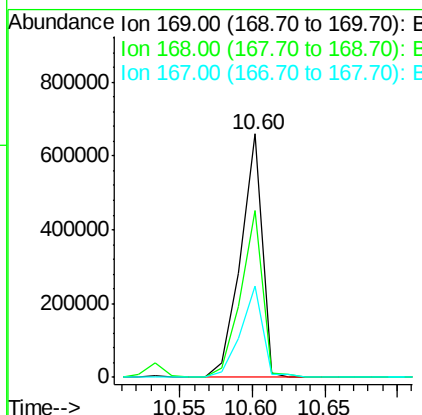
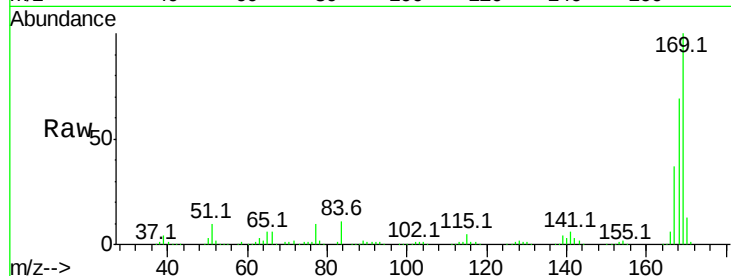




#65
 n-Nitrosodiphenylamine
 Concen: 45.13 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

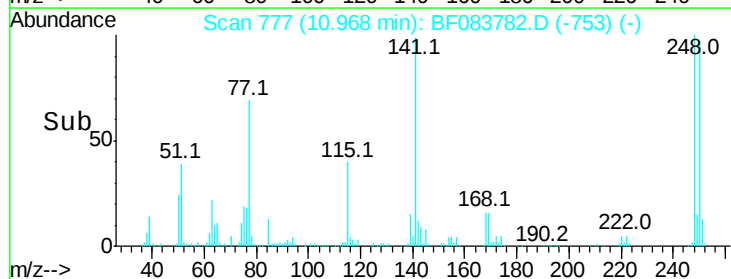
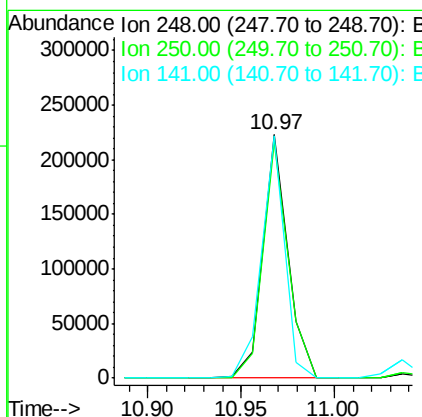
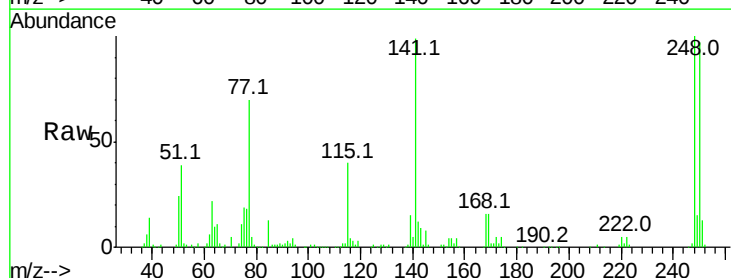
Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

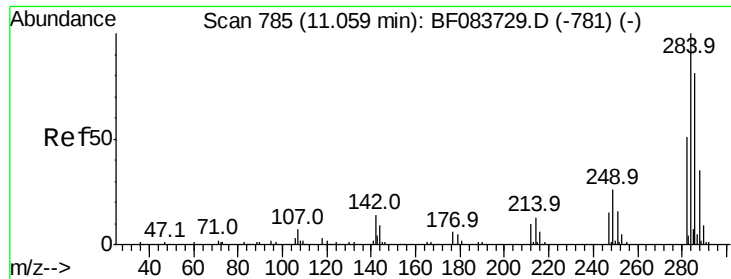
Tot Ion:169 Resp: 683185
 Ion Ratio Lower Upper
 169 100
 168 68.7 53.0 79.6
 167 37.4 29.3 43.9



#66
 4-Bromophenyl-phenylether
 Concen: 41.55 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Tgt Ion:248 Resp: 205662
 Ion Ratio Lower Upper
 248 100
 250 96.7 79.2 118.8
 141 99.3 58.2 87.4#

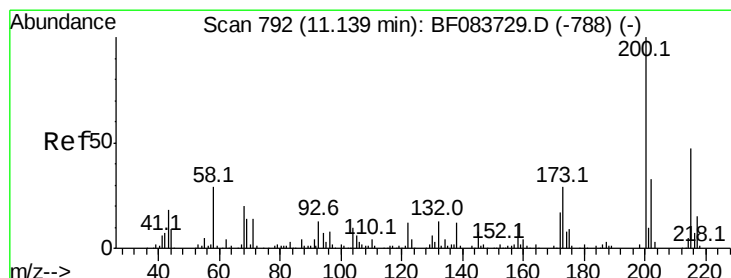
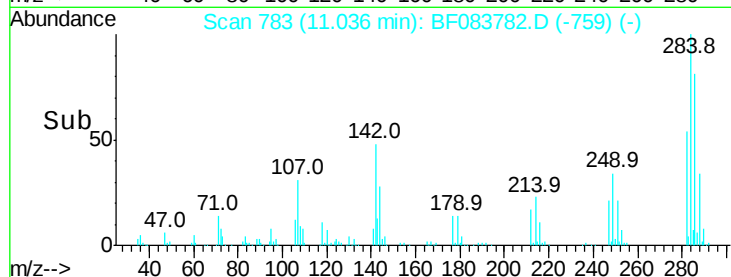
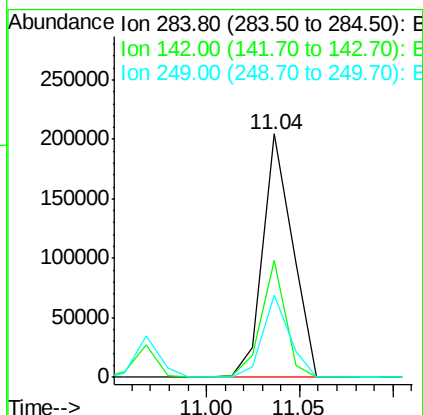
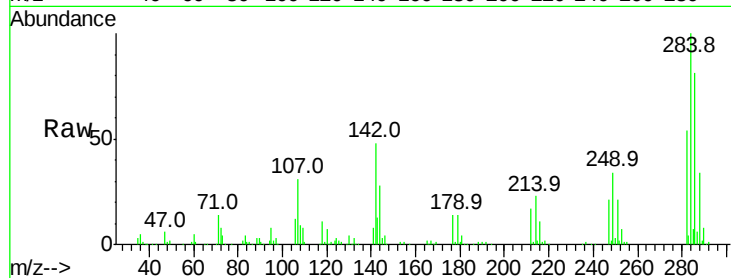




#67
Hexachlorobenzene
Concen: 41.79 ng
RT: 11.04 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

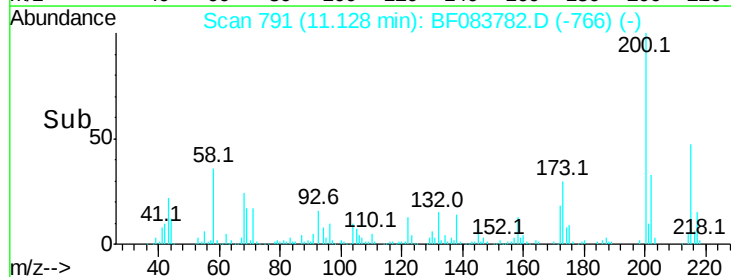
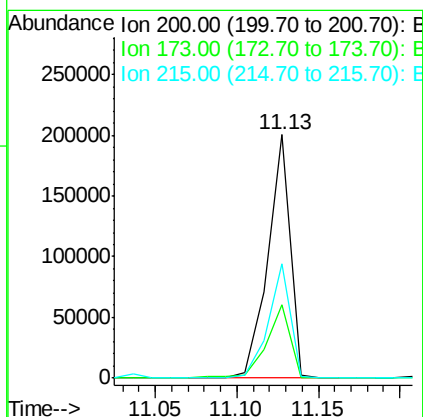
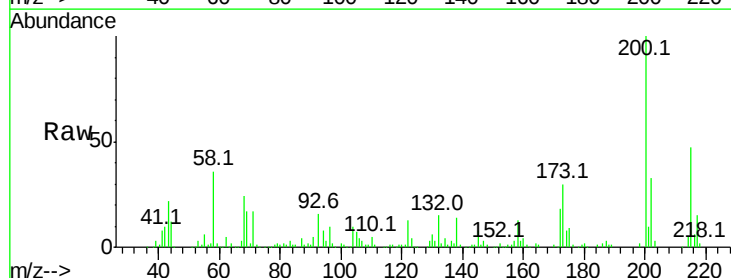
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMSD

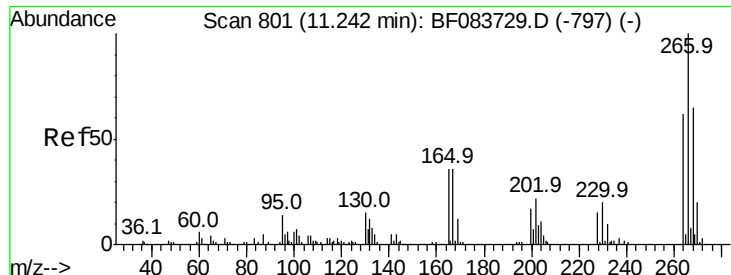
Tot Ion:284 Resp: 223786
Ion Ratio Lower Upper
284 100
142 48.1 31.0 46.4#
249 34.1 26.9 40.3



#68
Atrazine
Concen: 44.52 ng
RT: 11.13 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

Tgt Ion:200 Resp: 191741
Ion Ratio Lower Upper
200 100
173 30.1 7.8 47.8
215 46.8 25.7 65.7

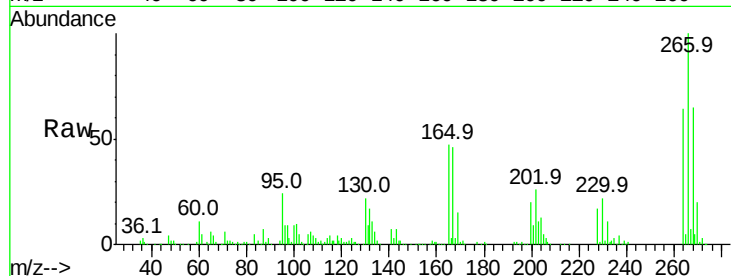




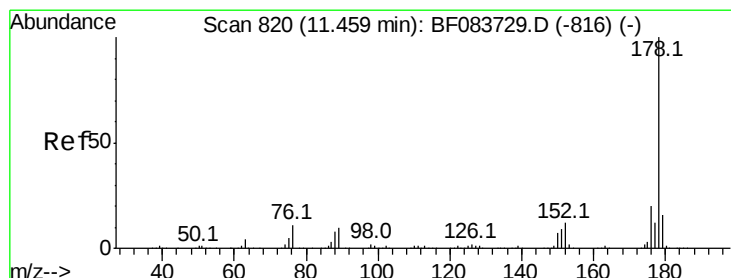
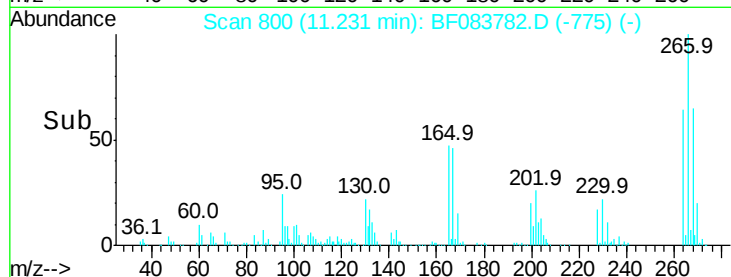
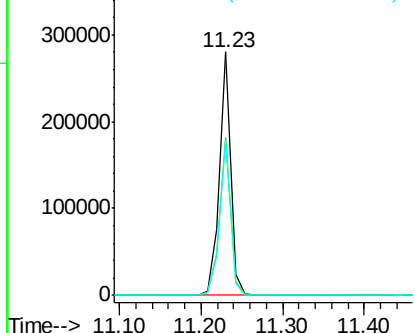
#69
 Pentachlorophenol
 Concen: 88.81 ng
 RT: 11.23 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	64.8	50.2	75.2
264	64.0	51.4	77.2

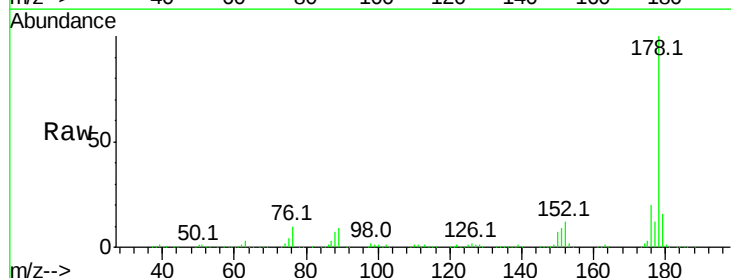


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

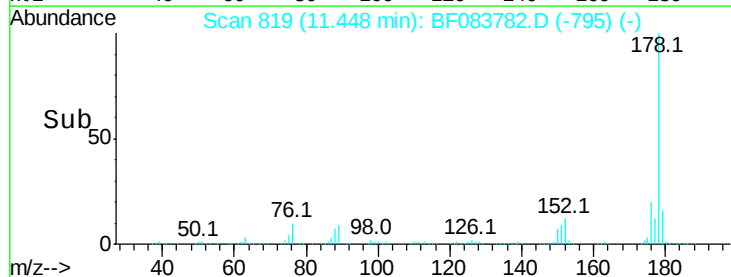
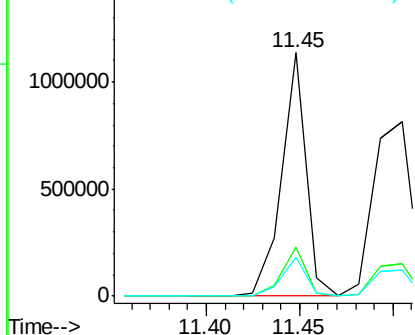


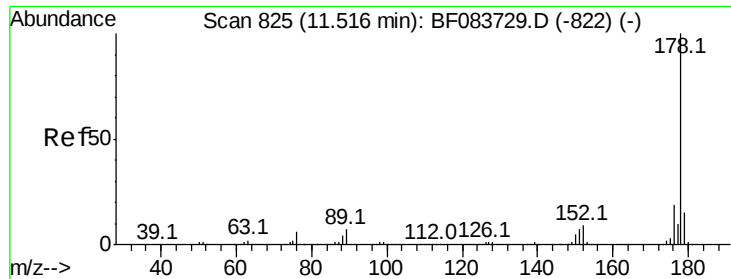
#70
 Phenanthrene
 Concen: 44.28 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.7	23.5
179	16.2	12.2	18.4



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

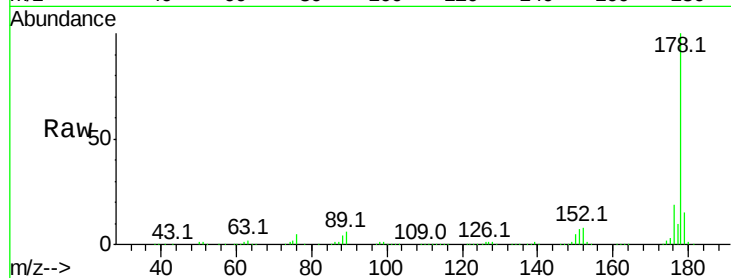




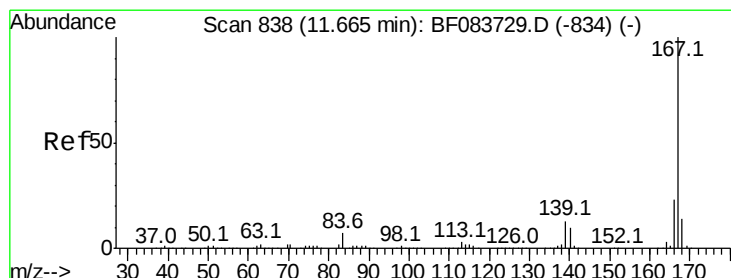
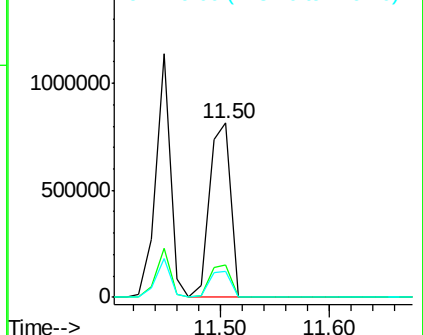
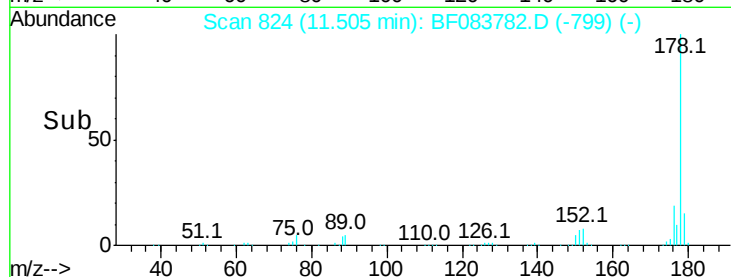
#71
 Anthracene
 Concen: 45.41 ng
 RT: 11.50 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

Tot Ion:178 Resp: 1109008
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.2 22.8
 179 15.2 12.6 18.8

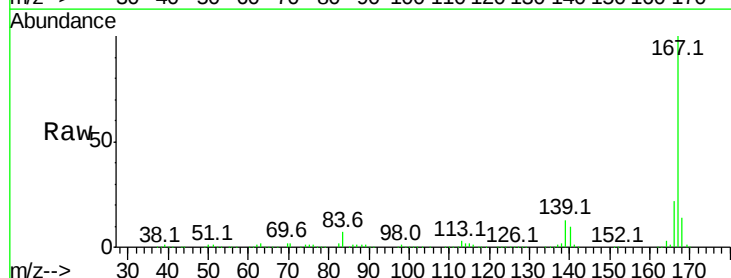


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

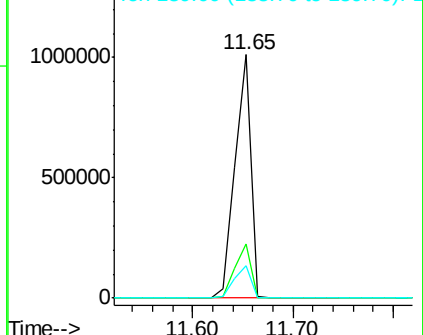
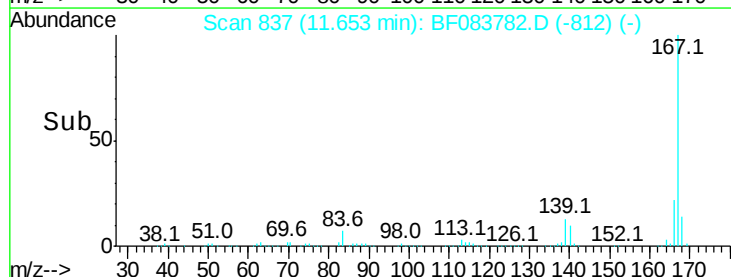


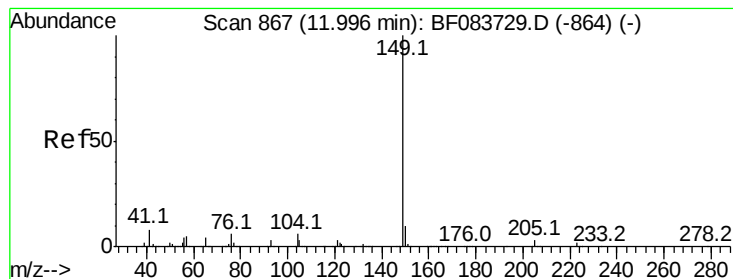
#72
 Carbazole
 Concen: 48.61 ng
 RT: 11.65 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Tgt Ion:167 Resp: 1106151
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.2 25.8
 139 13.2 9.3 13.9



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





#73

Di-n-butylphthalate

Concen: 41.84 ng

RT: 11.98 min Scan# 866

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

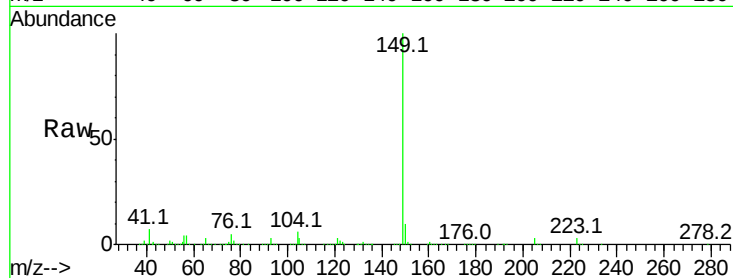
Tot Ion:149 Resp: 1156197

Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.6

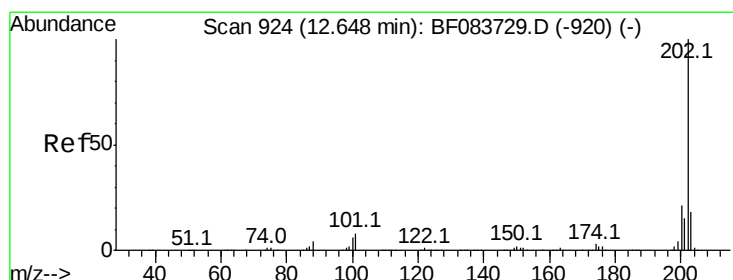
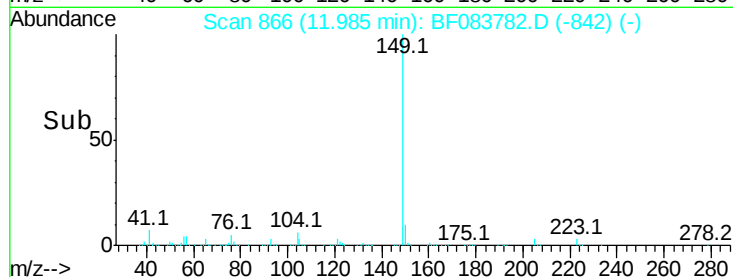
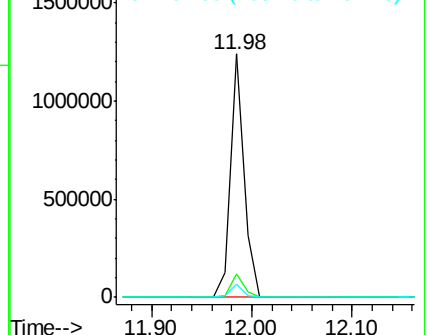
104 5.5 3.9 5.9



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: 49.94 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

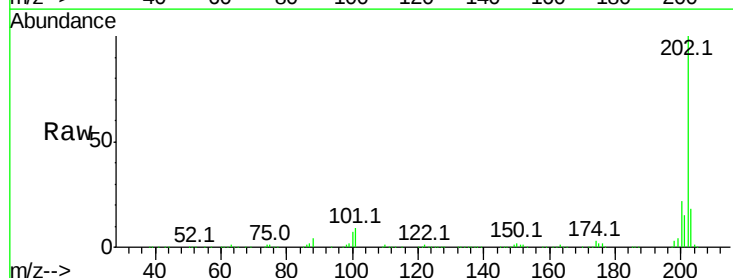
Tgt Ion:202 Resp: 1213283

Ion Ratio Lower Upper

202 100

101 8.6 0.0 31.5

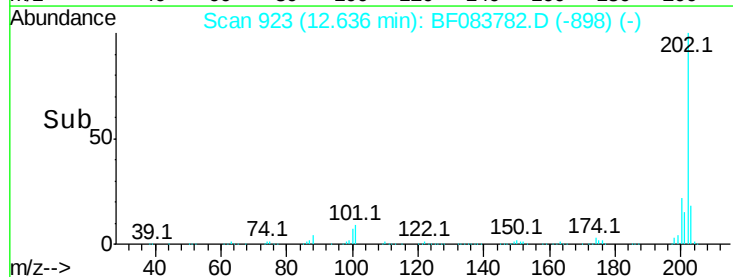
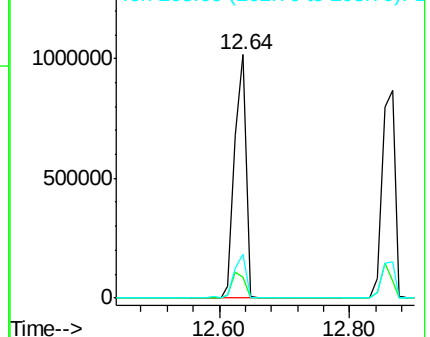
203 18.0 0.0 37.6

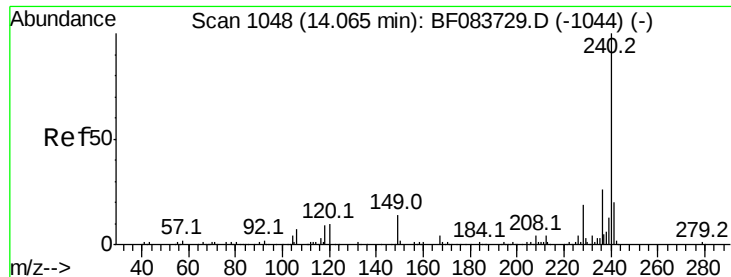


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

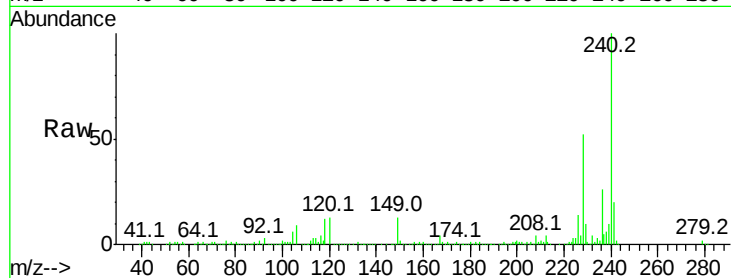
Tot Ion:240 Resp: 351056

Ion Ratio Lower Upper

240 100

120 13.3 8.1 12.1#

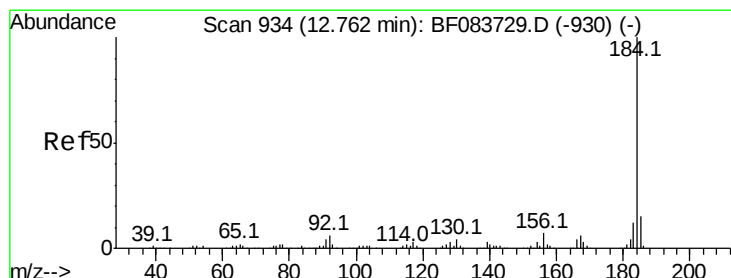
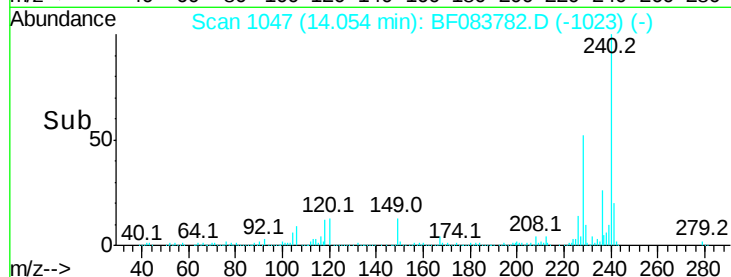
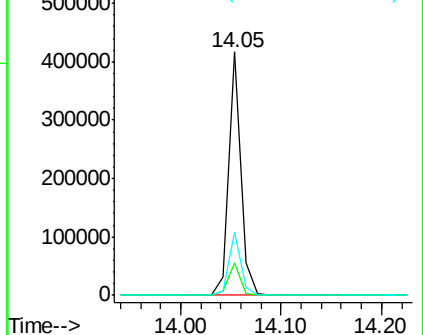
236 25.9 20.8 31.2



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: 2.15 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

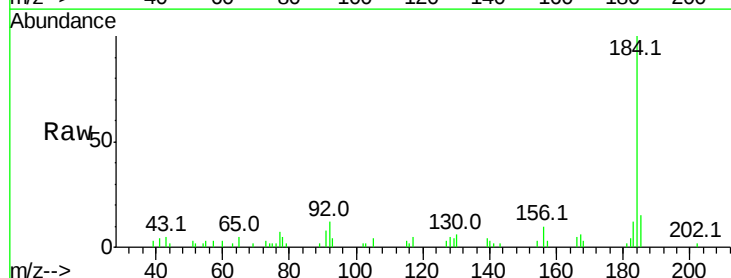
Tgt Ion:184 Resp: 22989

Ion Ratio Lower Upper

184 100

185 15.2 13.0 19.6

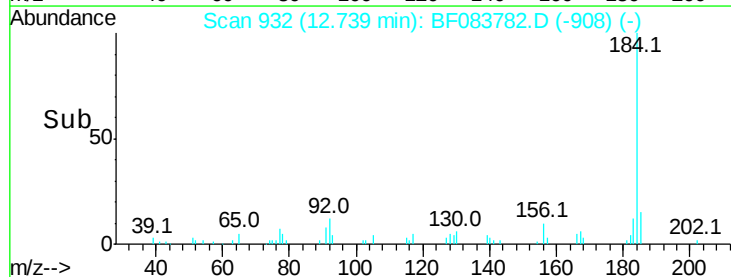
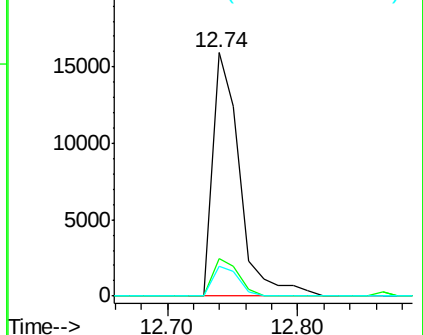
183 12.1 9.0 13.4

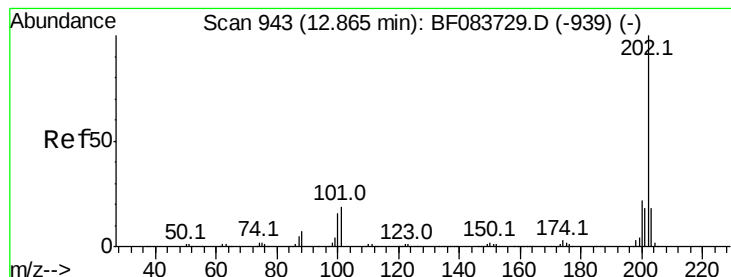


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 43.51 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

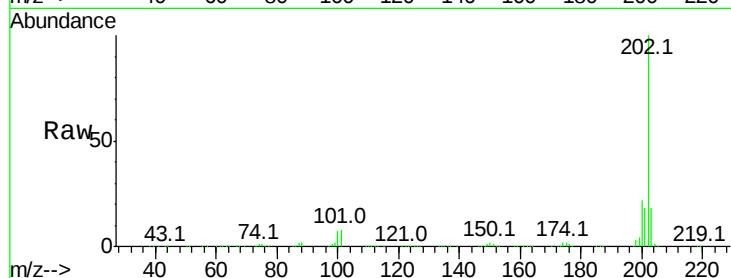
Tot Ion:202 Resp: 1207261

Ion Ratio Lower Upper

202 100

200 21.6 16.7 25.1

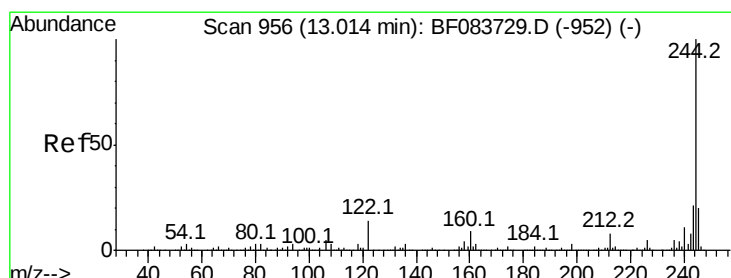
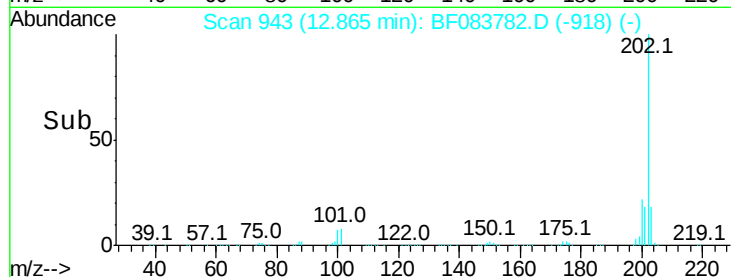
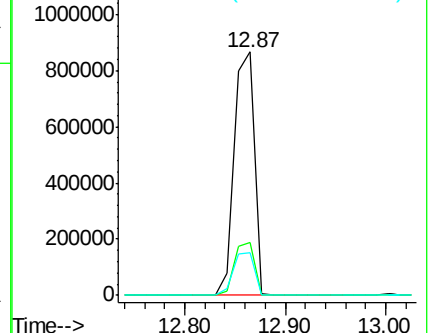
203 17.6 14.3 21.5



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: 79.22 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

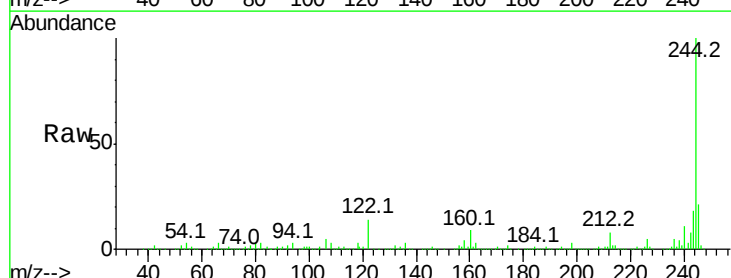
Tgt Ion:244 Resp: 1292814

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

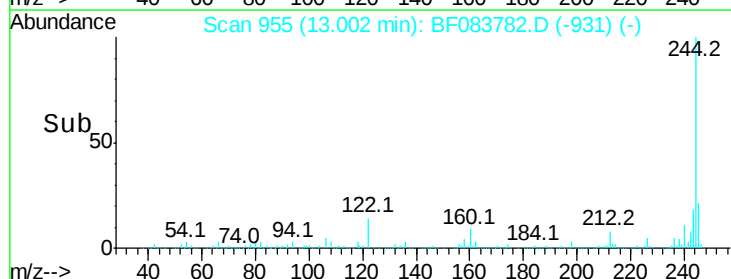
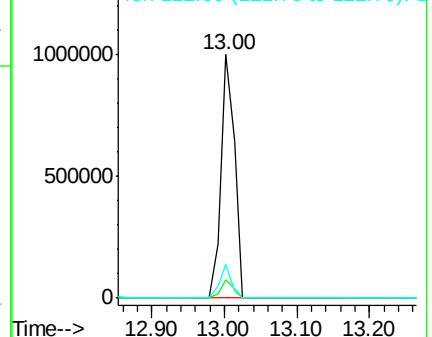
122 13.8 11.0 16.6

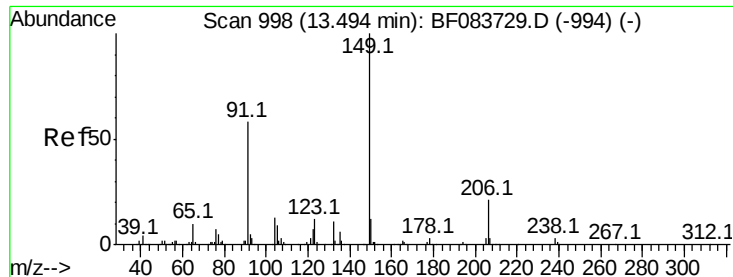


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

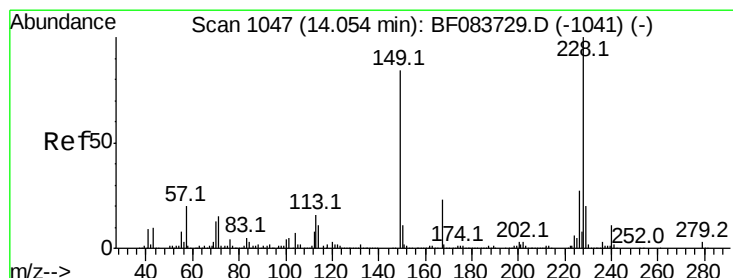
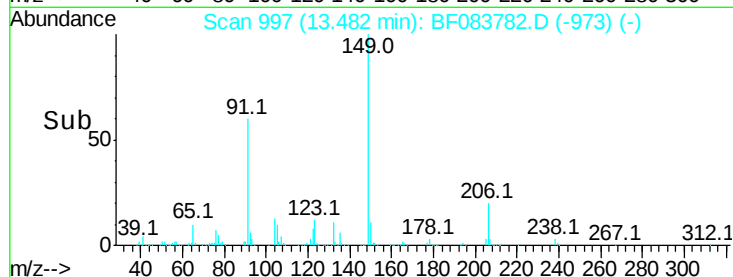
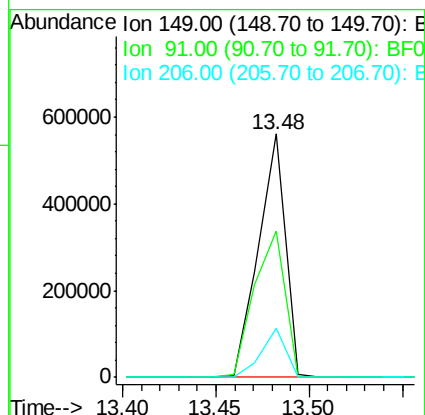
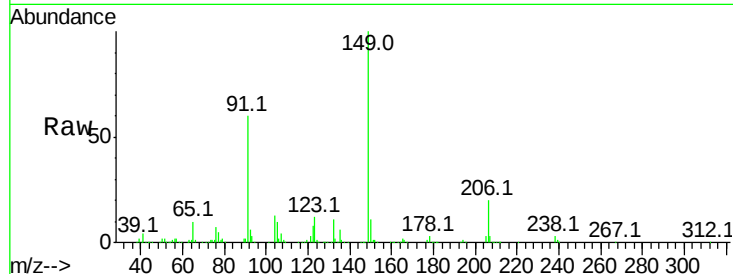




#79
Butylbenzylphthalate
Concen: 46.92 ng
RT: 13.48 min Scan# 997
Delta R.T. -0.02 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

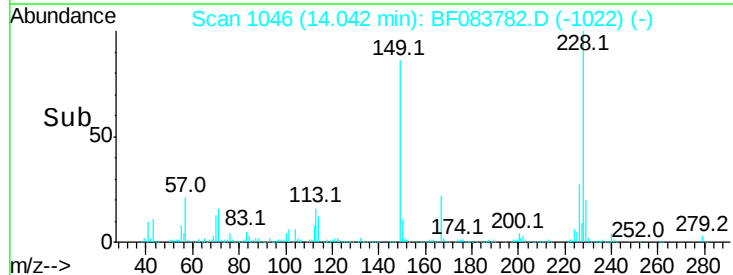
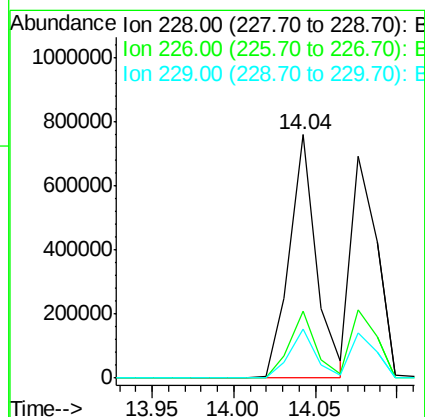
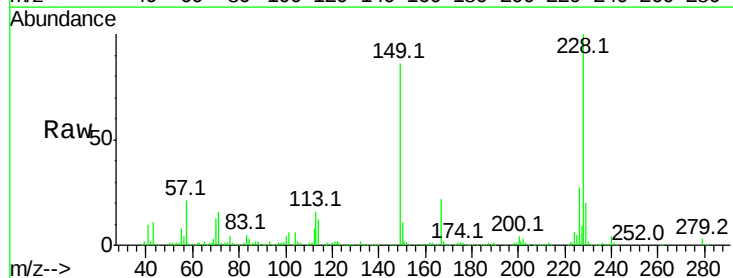
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMSD

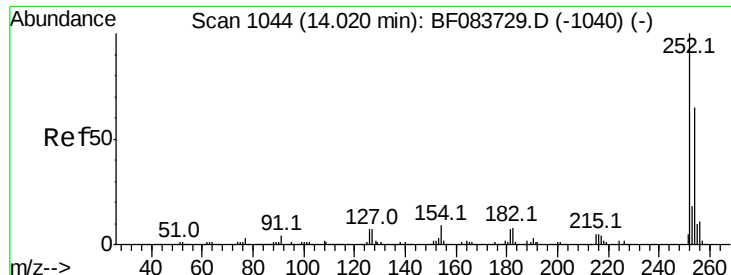
Tot Ion	Ratio	Lower	Upper
149	100		
91	60.1	60.0	90.0
206	20.1	16.2	24.4



#80
Benzo(a)anthracene
Concen: 44.18 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.3	33.5
229	20.3	15.7	23.5

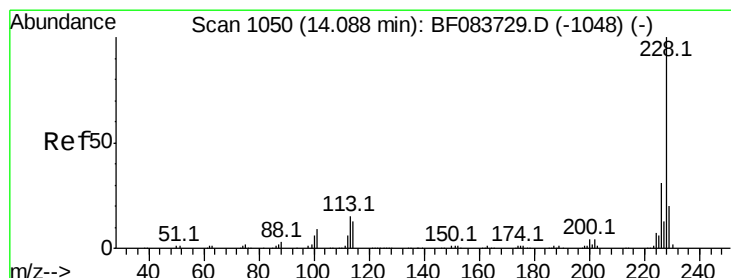
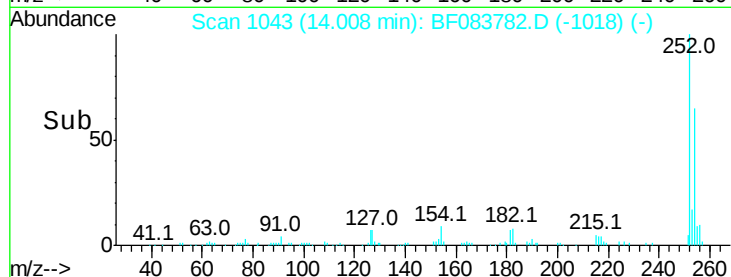
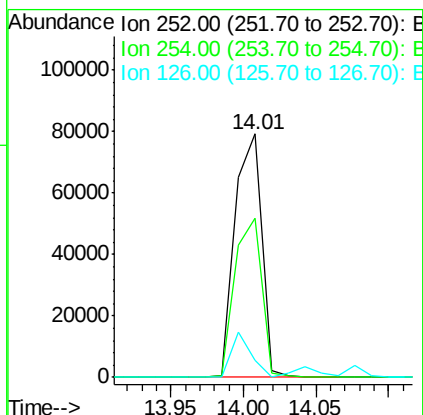
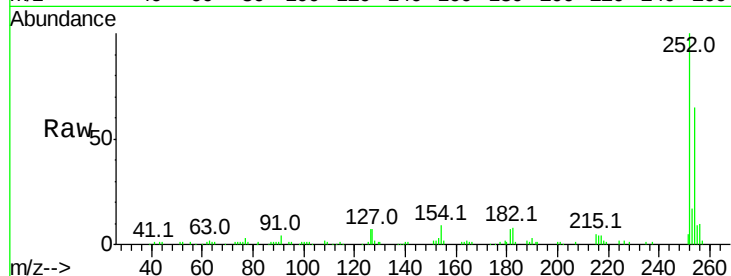




#81
 3,3'-Dichlorobenzidine
 Concen: 14.11 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

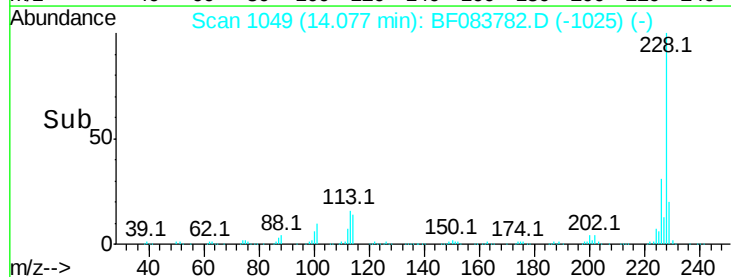
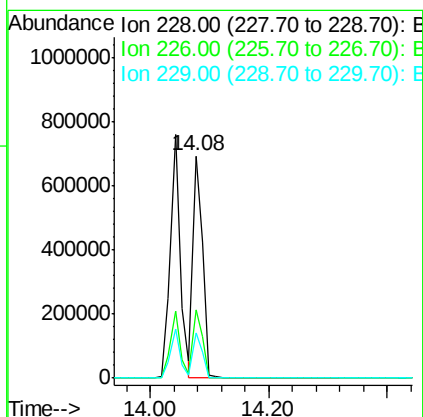
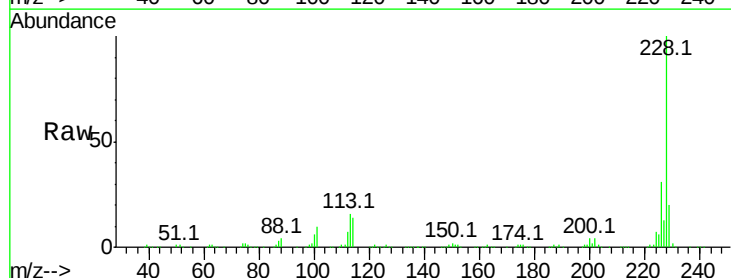
Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMSD

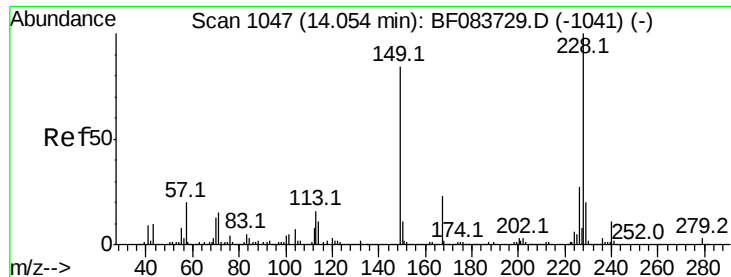
Tot Ion:252 Resp: 101634
 Ion Ratio Lower Upper
 252 100
 254 65.3 50.6 76.0
 126 6.9 11.0 16.4#



#82
 Chrysene
 Concen: 40.39 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.02 min
 Lab File: BF083782.D
 Acq: 14 Dec 2015 21:26

Tgt Ion:228 Resp: 786432
 Ion Ratio Lower Upper
 228 100
 226 30.7 24.7 37.1
 229 20.4 16.3 24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 41.94 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

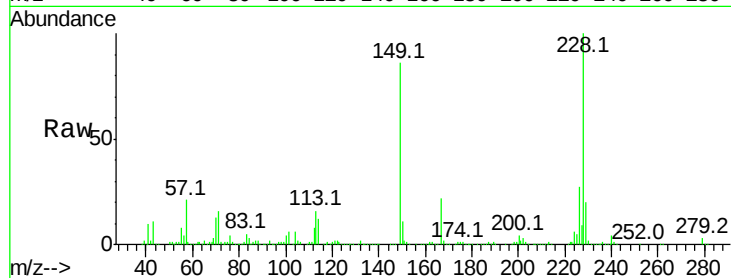
Tot Ion:149 Resp: 568393

Ion Ratio Lower Upper

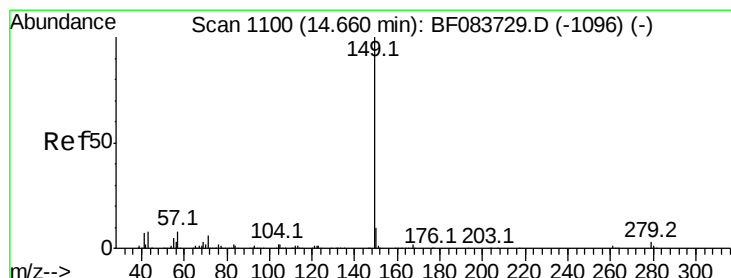
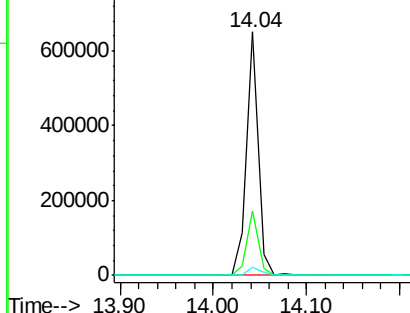
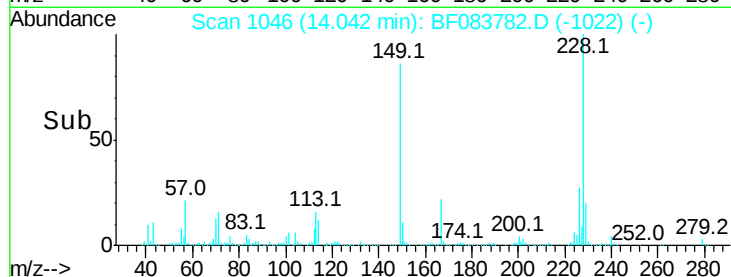
149 100

167 26.3 21.8 32.8

279 3.2 3.0 4.4



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: 45.60 ng

RT: 14.65 min Scan# 1099

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

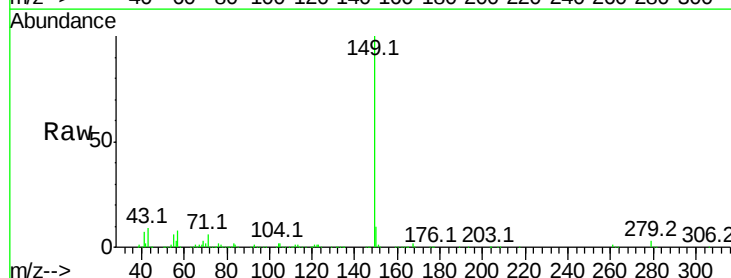
Tgt Ion:149 Resp: 982006

Ion Ratio Lower Upper

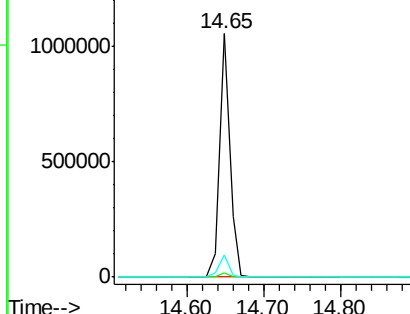
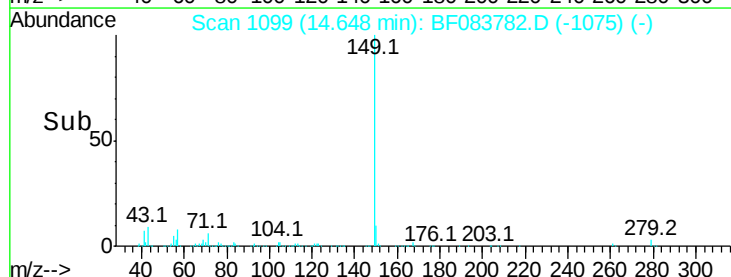
149 100

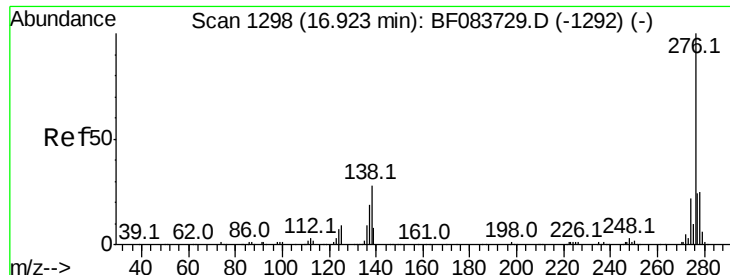
167 1.5 0.0 0.0#

43 8.4 0.0 0.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

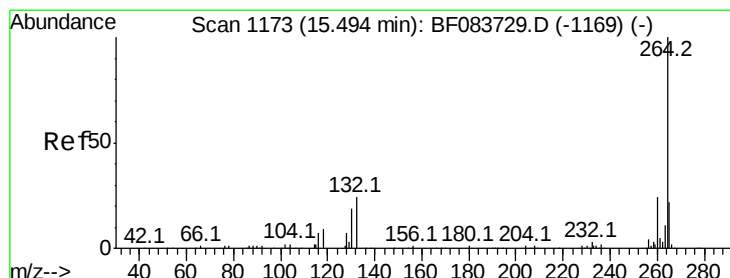
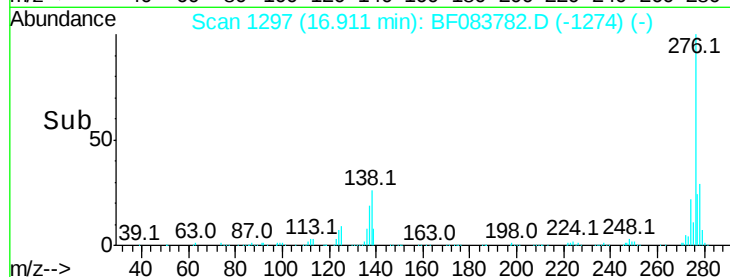
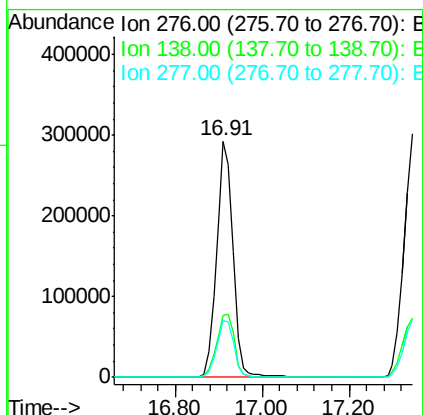
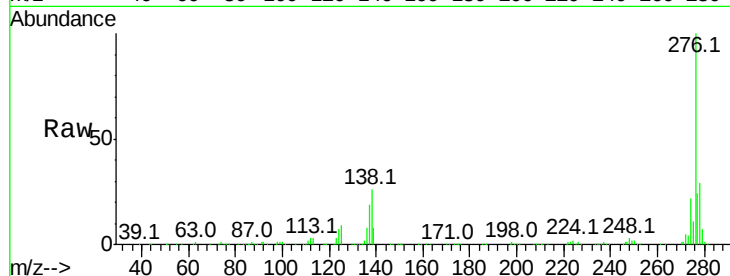




#85
Indeno(1,2,3-cd)pyrene
Concen: 41.04 ng
RT: 16.91 min Scan# 1297
Delta R.T. -0.03 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

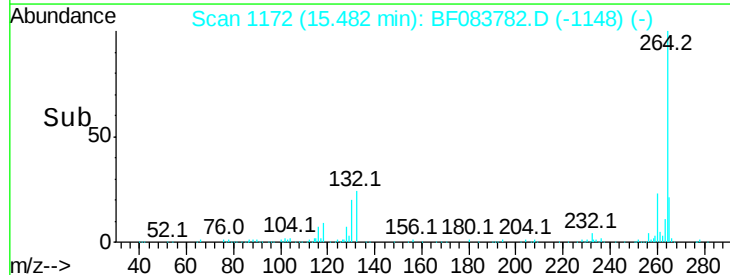
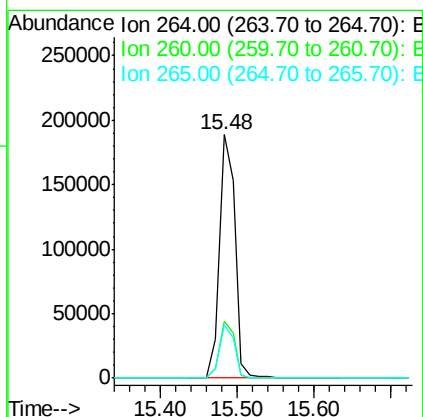
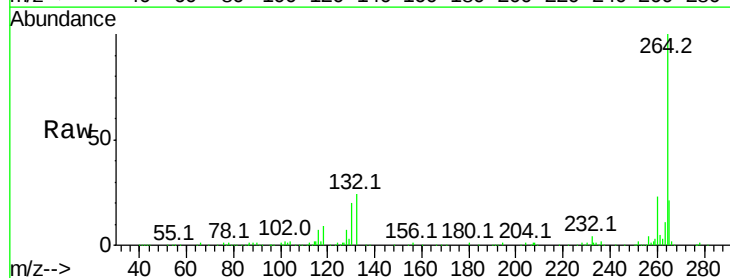
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMSD

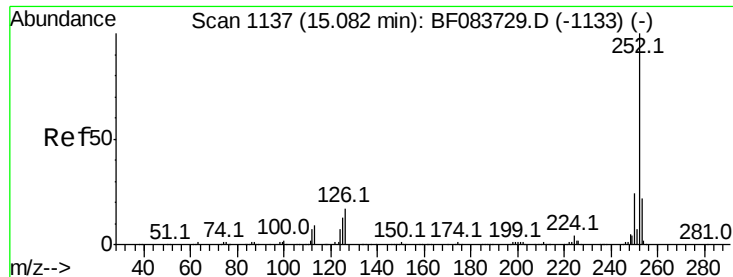
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.1	0.0	0.0#
277	25.4	0.0	0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083782.D
Acq: 14 Dec 2015 21:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.0
265	21.5	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 55.49 ng m

RT: 15.07 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

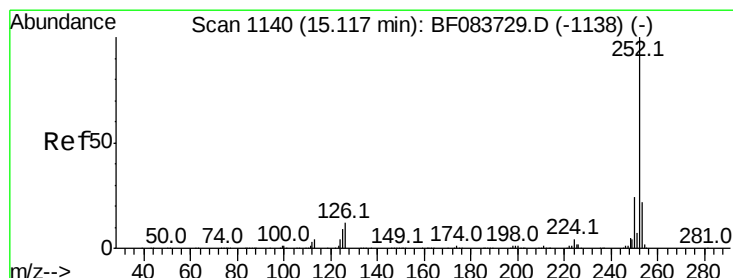
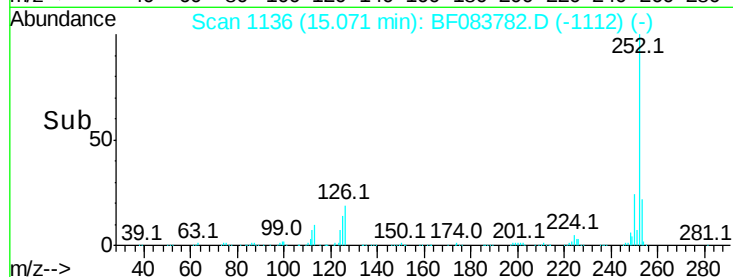
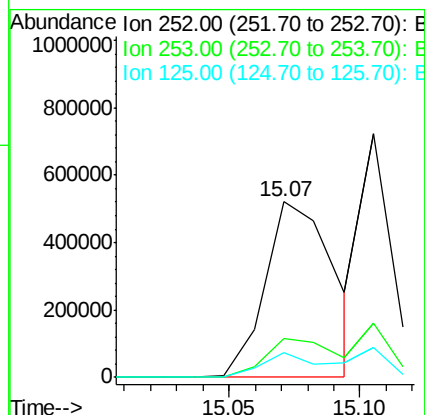
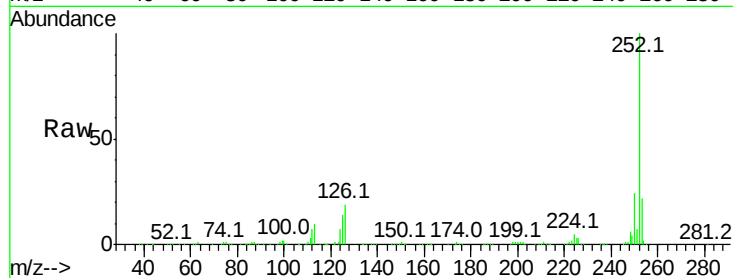
Tot Ion:252 Resp: 949095

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.4

125 13.8 8.2 12.4#



#88

Benzo(k)fluoranthene

Concen: 40.19 ng m

RT: 15.11 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

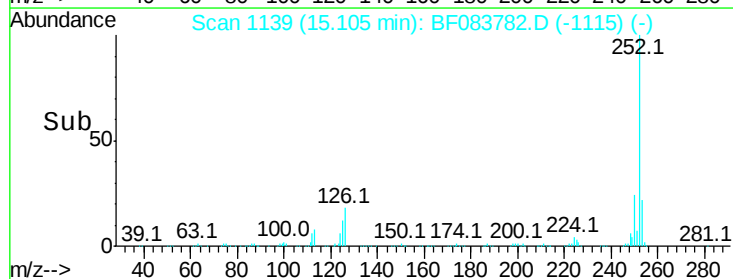
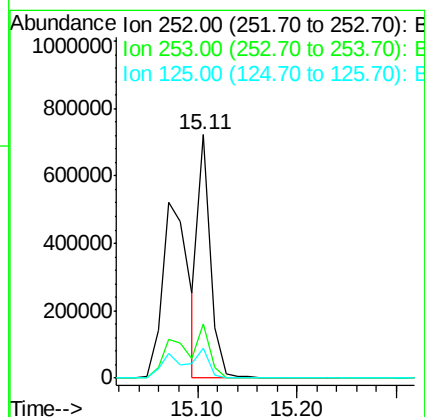
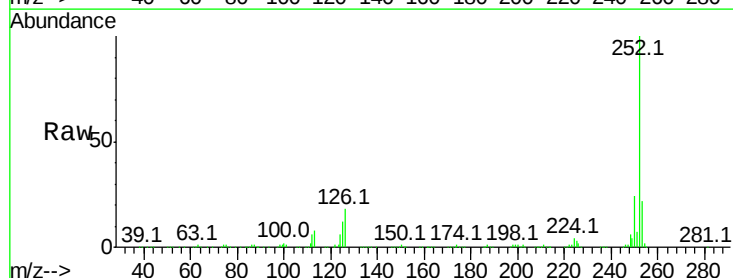
Tgt Ion:252 Resp: 622960

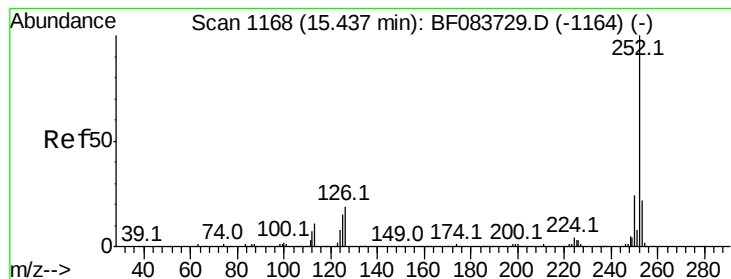
Ion Ratio Lower Upper

252 100

253 22.3 18.6 27.8

125 12.2 11.5 17.3





#89

Benzo(a)pyrene

Concen: 48.61 ng

RT: 15.43 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

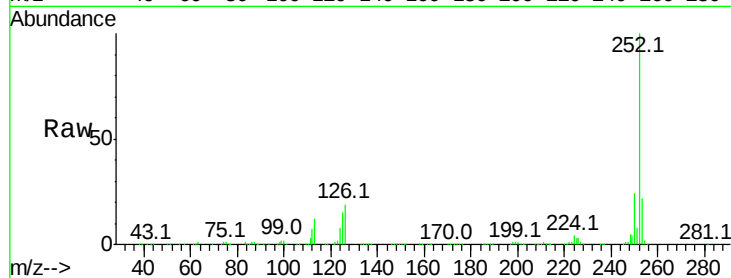
Tot Ion:252 Resp: 741939

Ion Ratio Lower Upper

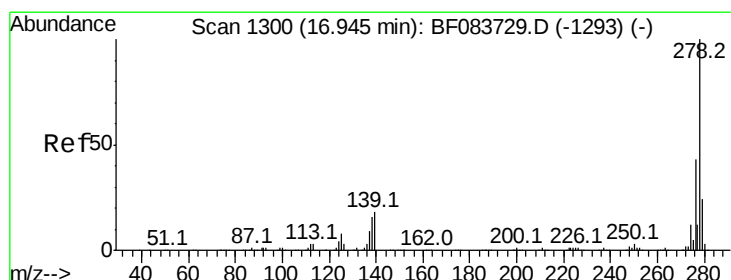
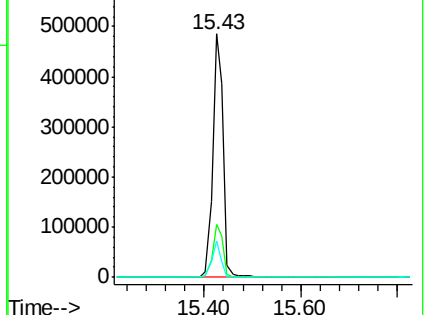
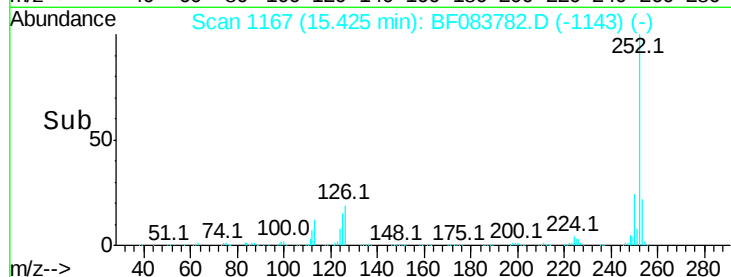
252 100

253 21.9 17.5 26.3

125 14.7 11.0 16.6



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: 42.03 ng

RT: 16.93 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

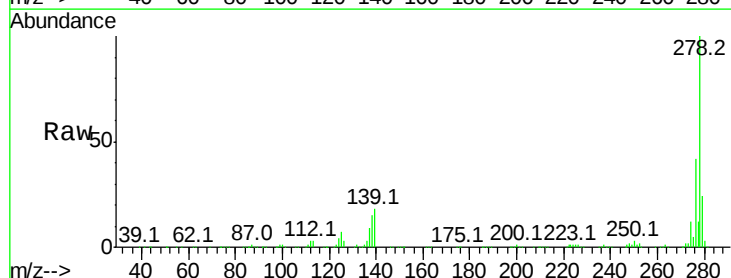
Tgt Ion:278 Resp: 637883

Ion Ratio Lower Upper

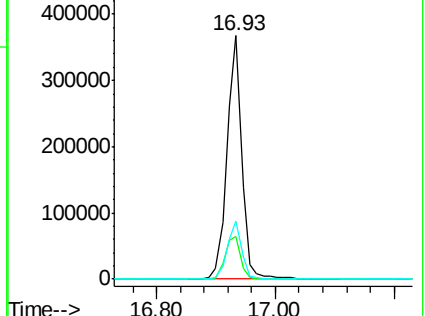
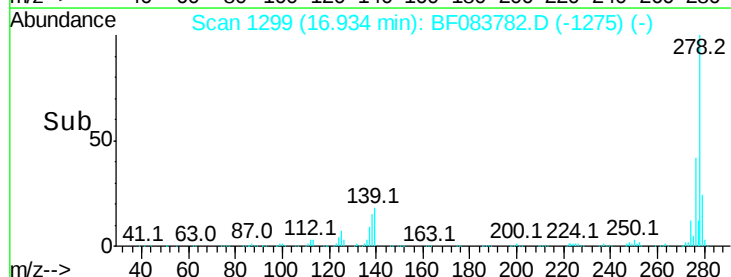
278 100

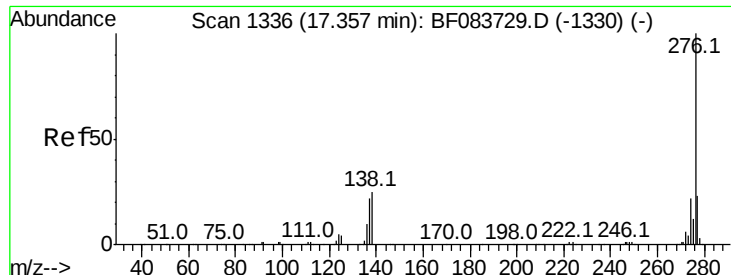
139 17.7 12.8 19.2

279 23.8 18.6 28.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 41.84 ng

RT: 17.35 min Scan# 1335

Delta R.T. -0.03 min

Lab File: BF083782.D

Acq: 14 Dec 2015 21:26

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMSD

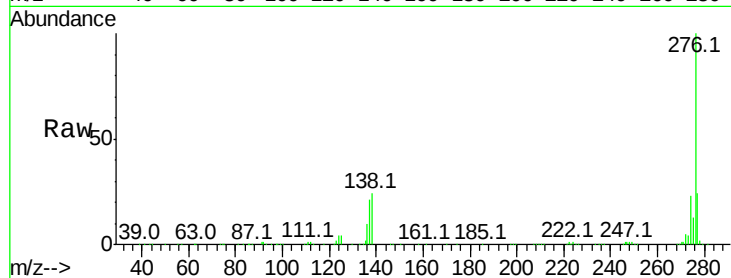
Tot Ion:276 Resp: 652666

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 24.4 19.5 29.3



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

