

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
 Data File : BF083781.D
 Acq On : 14 Dec 2015 20:58
 Operator : UM/IZ
 Sample : G4760-02MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

Quant Time: Dec 15 02:45:54 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	109298	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	451343	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	215168	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	415928	20.00	ng	-0.02
75) Chrysene-d12	14.05	240	337926	20.00	ng	-0.02
86) Perylene-d12	15.48	264	264875	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	712305	105.14	ng	-0.01
7) Phenol-d6	6.53	99	906118	105.61	ng	-0.01
23) Nitrobenzene-d5	7.46	82	705305	87.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	292013	133.19	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1210904	81.39	ng	-0.02
78) Terphenyl-d14	13.00	244	1201941	76.51	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.67	88	100357	30.63	ng	# 69
3) Pyridine	3.38	79	205166	24.89	ng	# 83
4) n-Nitrosodimethylamine	3.30	42	122043	39.14	ng	# 65
6) Aniline	6.56	93	261790	22.46	ng	# 93
8) 2-Chlorophenol	6.69	128	335642	42.16	ng	# 78
9) Benzaldehyde	6.44	77	105427	22.88	ng	# 90
10) Phenol	6.54	94	323108	32.72	ng	# 81
11) bis(2-Chloroethyl)ether	6.64	93	301582	42.17	ng	# 92
12) 1,3-Dichlorobenzene	6.84	146	322949	38.22	ng	# 99
13) 1,4-Dichlorobenzene	6.92	146	341276	39.97	ng	# 96
14) 1,2-Dichlorobenzene	7.07	146	292083	38.07	ng	# 96
15) Benzyl Alcohol	7.04	79	304501	48.31	ng	# 99
16) 2,2'-oxybis(1-Chloropropan	7.18	45	368377	39.67	ng	# 70
17) 2-Methylphenol	7.16	107	287346	44.89	ng	# 82
18) Hexachloroethane	7.41	117	116929	38.56	ng	# 76
19) n-Nitroso-di-n-propylamine	7.32	70	242547	46.17	ng	# 85
20) 3+4-Methylphenols	7.31	107	330048	43.68	ng	# 65
22) Acetophenone	7.31	105	434497	39.24	ng	# 96
24) Nitrobenzene	7.48	77	344176	40.99	ng	# 88
25) Isophorone	7.72	82	664105	41.96	ng	# 95
26) 2-Nitrophenol	7.80	139	197399	48.94	ng	# 79
27) 2,4-Dimethylphenol	7.84	122	318440m	40.18	ng	# 96
28) bis(2-Chloroethoxy)methane	7.94	93	434686	48.13	ng	# 96
29) 2,4-Dichlorophenol	8.04	162	301895	46.40	ng	# 98
30) 1,2,4-Trichlorobenzene	8.13	180	285943	42.38	ng	# 96
31) Naphthalene	8.21	128	1091153	46.38	ng	# 99
32) Benzoic acid	7.95	122	231338m	46.83	ng	# 99
33) 4-Chloroaniline	8.25	127	198771	20.68	ng	# 90
34) Hexachlorobutadiene	8.33	225	147453	39.82	ng	# 99
35) Caprolactam	8.62	113	86991m	41.64	ng	# 88
36) 4-Chloro-3-methylphenol	8.74	107	372674	48.97	ng	# 97
37) 2-Methylnaphthalene	8.90	142	672296	45.52	ng	# 100
39) 1,2,4,5-Tetrachlorobenzene	9.07	216	286590	45.15	ng	# 99
40) Hexachlorocyclopentadiene	9.06	237	287365	89.34	ng	# 99

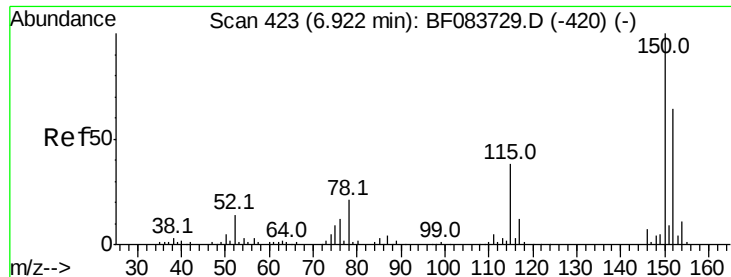
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
 Data File : BF083781.D
 Acq On : 14 Dec 2015 20:58
 Operator : UM/IZ
 Sample : G4760-02MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

Quant Time: Dec 15 02:45:54 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)
42) 2,4,6-Trichlorophenol	9.17	196	217539	46.82	nq	99
43) 2,4,5-Trichlorophenol	9.22	196	213922	48.54	nq	97
45) 1,1'-Biphenyl	9.37	154	871498	45.70	nq	95
46) 2-Chloronaphthalene	9.39	162	649800	46.16	nq	96
47) 2-Nitroaniline	9.48	65	216111	54.13	nq	# 55
48) Acenaphthylene	9.80	152	995524	42.03	nq	99
49) Dimethylphthalate	9.66	163	738932	44.05	nq	99
50) 2,6-Dinitrotoluene	9.72	165	173384	48.70	nq	# 85
51) Acenaphthene	9.97	154	713841	49.86	nq	100
52) 3-Nitroaniline	9.88	138	111636	27.20	nq	88
53) 2,4-Dinitrophenol	10.00	184	197250	94.29	nq	# 82
54) Dibenzofuran	10.14	168	896026	47.23	nq	# 90
55) 4-Nitrophenol	10.05	139	314900	103.61	nq	# 82
56) 2,4-Dinitrotoluene	10.12	165	233935	50.30	nq	# 85
57) Fluorene	10.49	166	644576	43.15	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.26	232	175270m	53.02	nq	
59) Diethylphthalate	10.36	149	789514	46.49	nq	98
60) 4-Chlorophenyl-phenylether	10.48	204	298850	43.87	nq	# 81
61) 4-Nitroaniline	10.50	138	173729	48.02	nq	89
62) Azobenzene	10.64	77	767927	49.60	nq	97
64) 4,6-Dinitro-2-methylphenol	10.53	198	131721	55.66	nq	# 75
65) n-Nitrosodiphenylamine	10.60	169	682337	47.97	nq	98
66) 4-Bromophenyl-phenylether	10.97	248	201220	43.27	nq	# 88
67) Hexachlorobenzene	11.04	284	218362	43.39	nq	96
68) Atrazine	11.13	200	200915	49.64	nq	98
69) Pentachlorophenol	11.23	266	274317	96.65	nq	99
70) Phenanthrene	11.45	178	1024743	46.38	nq	98
71) Anthracene	11.49	178	1051345	45.81	nq	99
72) Carbazole	11.65	167	1110015	51.92	nq	97
73) Di-n-butylphthalate	11.99	149	1130238	43.53	nq	99
74) Fluoranthene	12.64	202	1151599	50.44	nq	96
76) Benzidine	12.74	184	100426	9.75	nq	98
77) Pyrene	12.87	202	1150801	43.09	nq	99
79) Butylbenzylphthalate	13.48	149	546794	47.70	nq	# 84
80) Benzo(a)anthracene	14.04	228	877775	45.68	nq	99
81) 3,3'-Dichlorobenzidine	14.01	252	240088	34.64	nq	# 95
82) Chrysene	14.08	228	807800	43.10	nq	100
83) Bis(2-ethylhexyl)phthalate	14.04	149	571378	43.79	nq	99
84) Di-n-octyl phthalate	14.65	149	999441	48.21	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.91	276	777332	42.23	nq	# 100
87) Benzo(b)fluoranthene	15.07	252	957850m	56.68	nq	
88) Benzo(k)fluoranthene	15.11	252	614399m	40.13	nq	
89) Benzo(a)pyrene	15.44	252	750546	49.77	nq	# 95
90) Dibenzo(a,h)anthracene	16.93	278	631912	42.14	nq	98
91) Benzo(g,h,i)perylene	17.35	276	642380	41.68	nq	99

(#) = 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

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

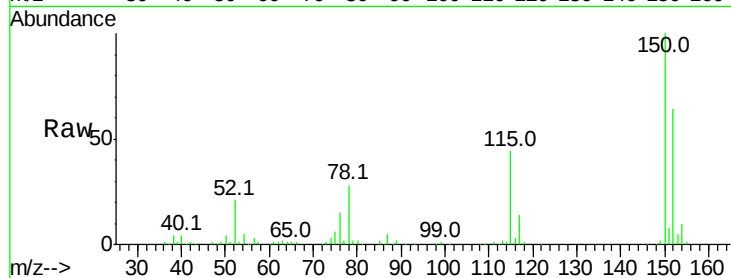
Tot Ion:152 Resp: 109298

Ion Ratio Lower Upper

152 100

150 157.5 126.5 189.7

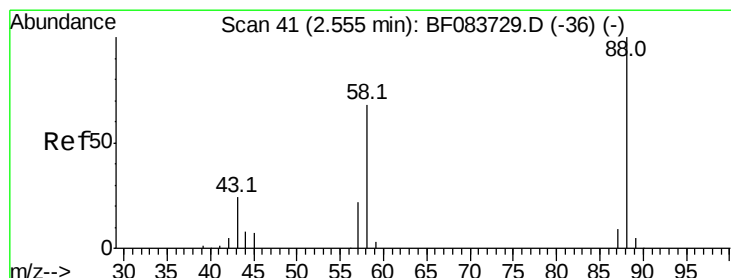
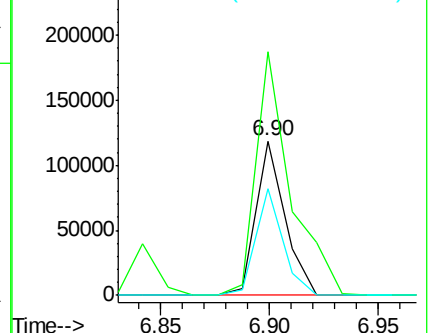
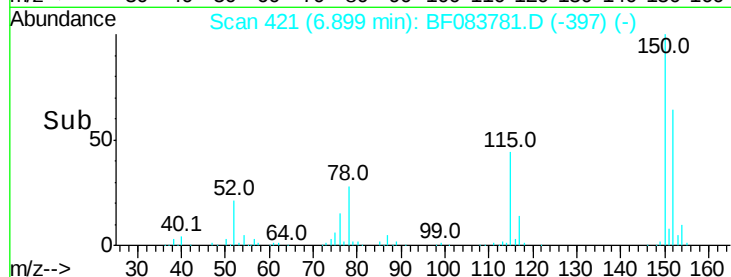
115 68.6 52.3 78.5



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: 30.63 ng

RT: 2.67 min Scan# 51

Delta R.T. 0.10 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

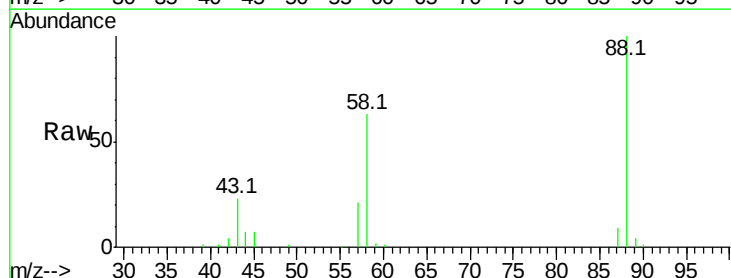
Tgt Ion: 88 Resp: 100357

Ion Ratio Lower Upper

88 100

58 68.0 68.0 102.0#

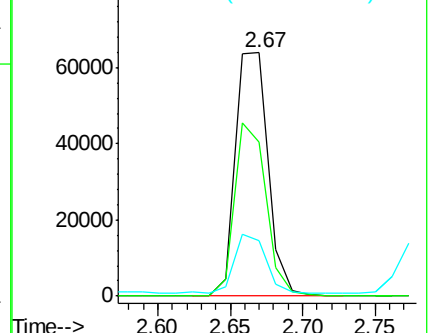
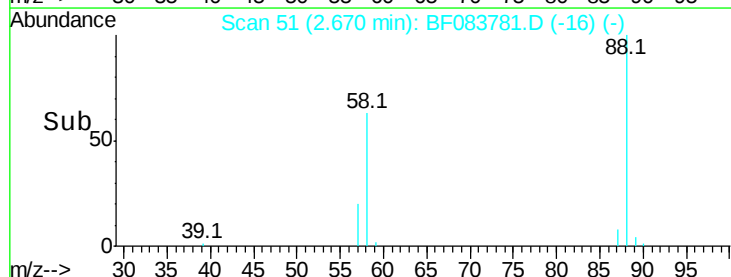
43 0.0 27.9 41.9#

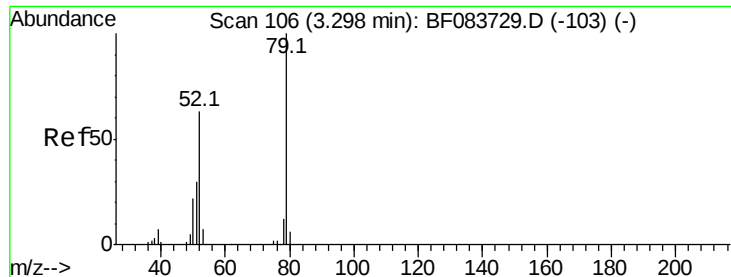


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

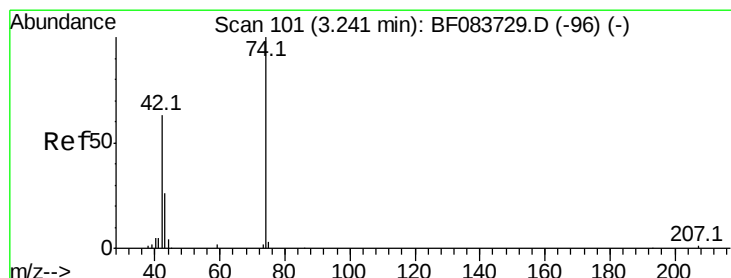
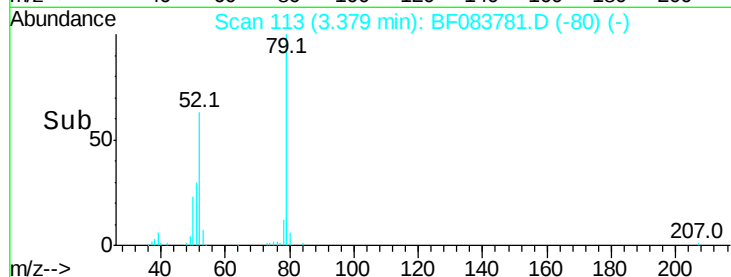
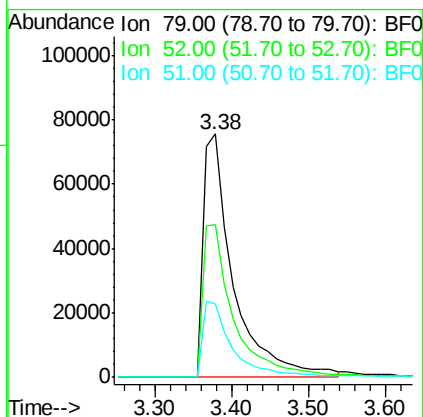
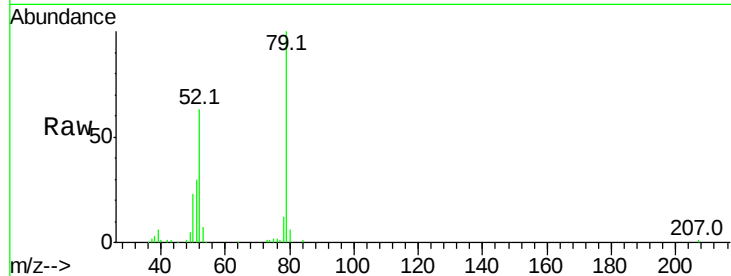




#3
 Pvridine
 Concen: 24.89 ng
 RT: 3.38 min Scan# 113
 Delta R.T. 0.08 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

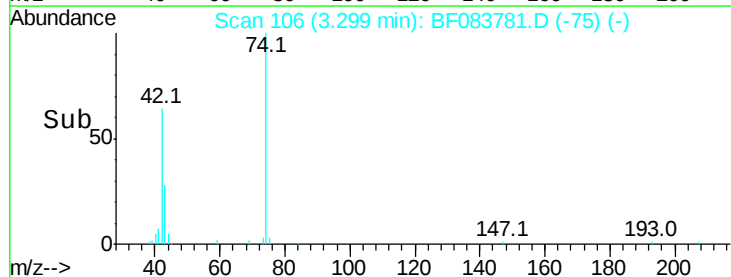
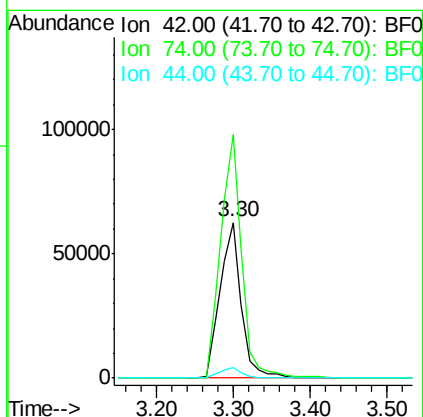
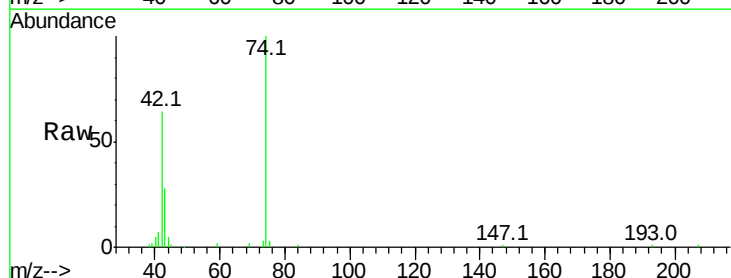
Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

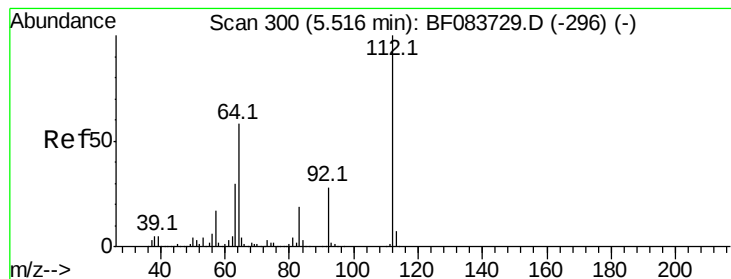
Tot Ion: 79 Resp: 205166
 Ion Ratio Lower Upper
 79 100
 52 62.6 63.7 95.5#
 51 30.0 30.6 45.8#



#4
 n-Nitrosodimethylamine
 Concen: 39.14 ng
 RT: 3.30 min Scan# 106
 Delta R.T. 0.06 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Tgt Ion: 42 Resp: 122043
 Ion Ratio Lower Upper
 42 100
 74 156.6 92.9 139.3#
 44 7.1 5.7 8.5





#5

2-Fluorophenol

Concen: 105.14 ng

RT: 5.52 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

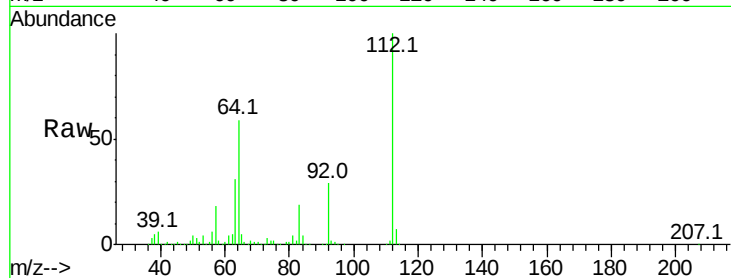
Tot Ion:112 Resp: 712305

Ion Ratio Lower Upper

112 100

64 58.9 50.5 75.7

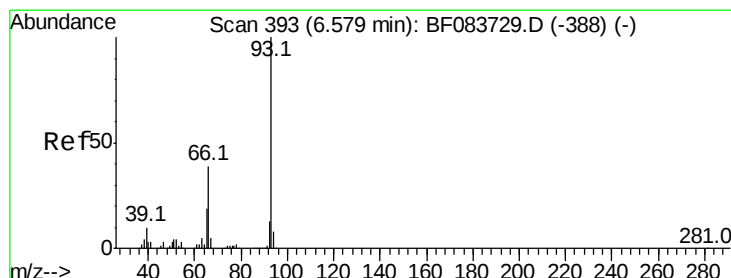
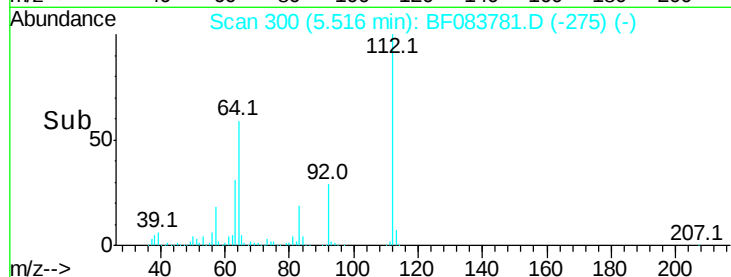
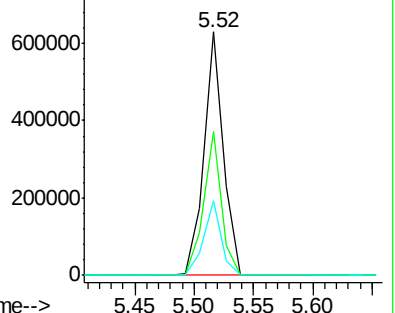
63 30.7 25.8 38.6



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: 22.46 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

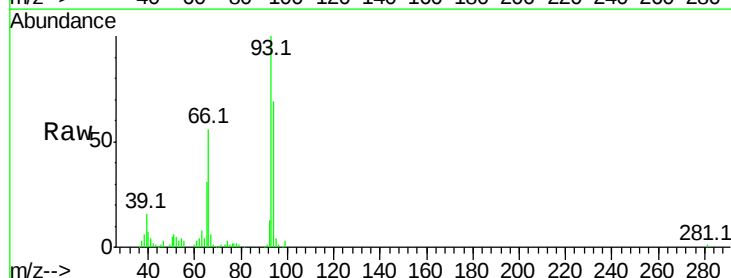
Tgt Ion: 93 Resp: 261790

Ion Ratio Lower Upper

93 100

66 56.1 41.3 61.9

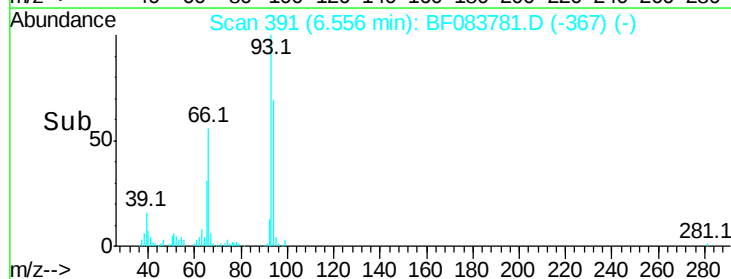
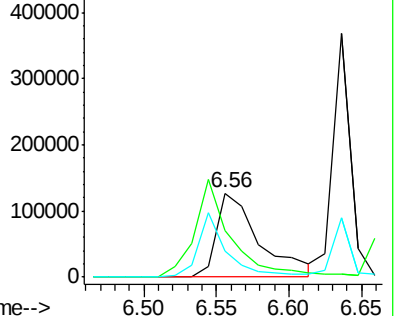
65 30.7 20.8 31.2

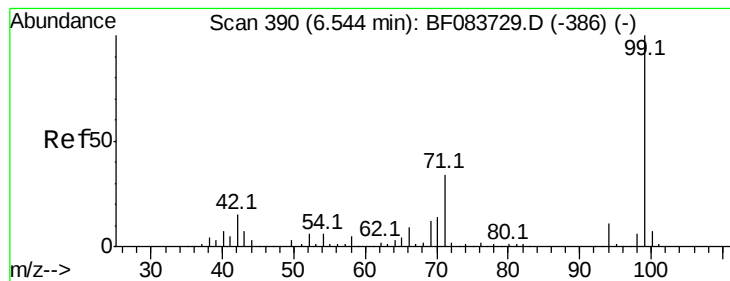


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 105.61 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

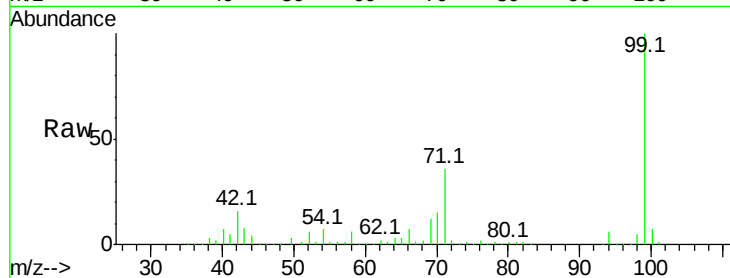
Tot Ion: 99 Resp: 906118

Ion Ratio Lower Upper

99 100

42 16.0 17.3 25.9#

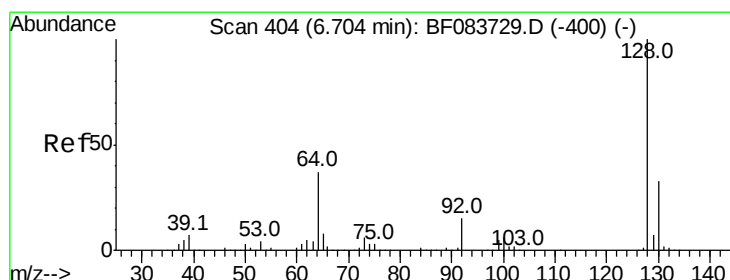
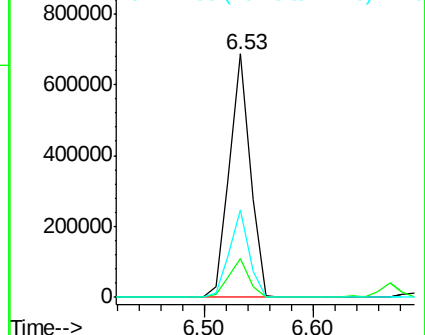
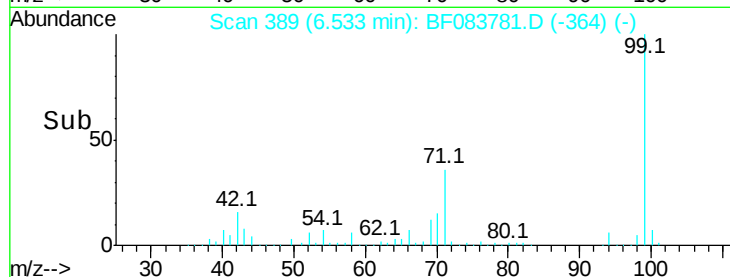
71 35.7 26.6 40.0



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: 42.16 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

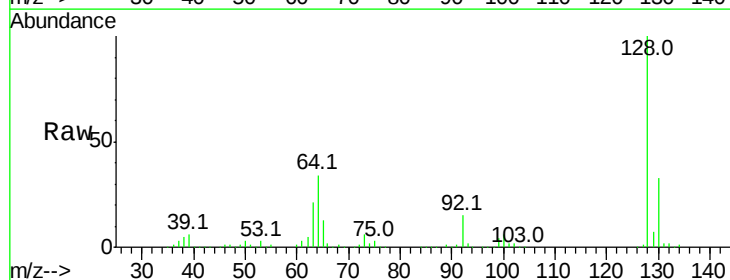
Tgt Ion:128 Resp: 335642

Ion Ratio Lower Upper

128 100

130 33.3 12.6 52.6

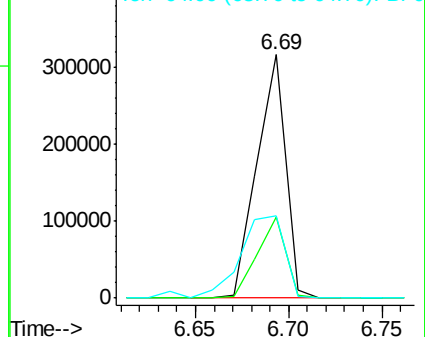
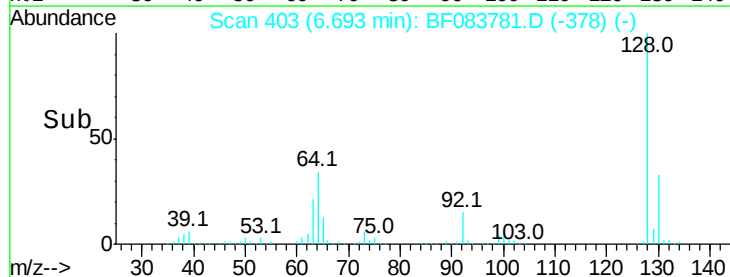
64 33.6 38.6 78.6#

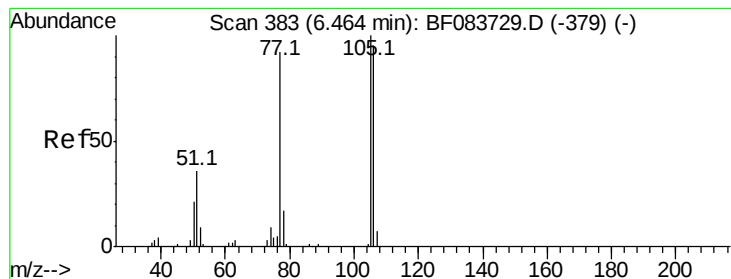


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 22.88 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

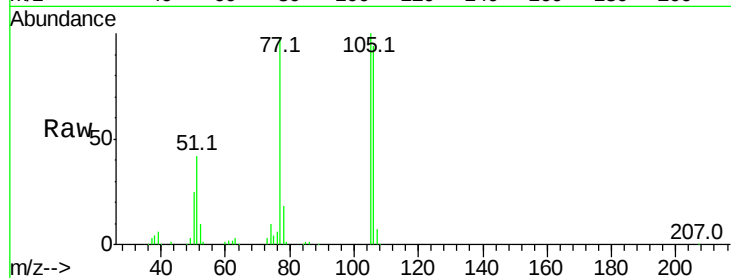
Tot Ion: 77 Resp: 105427

Ion Ratio Lower Upper

77 100

105 102.1 71.8 111.8

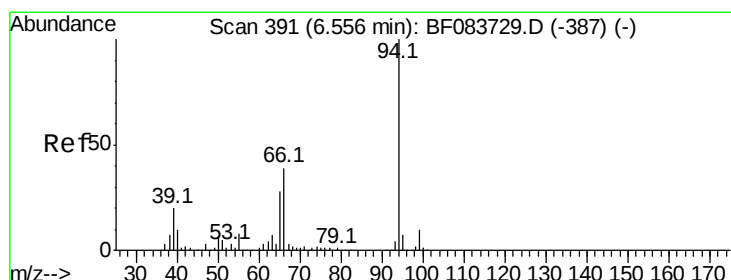
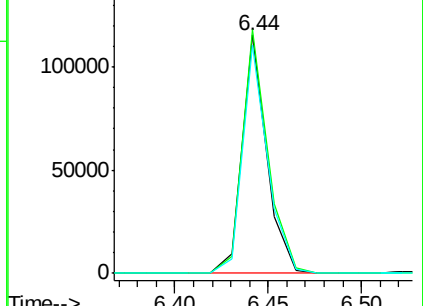
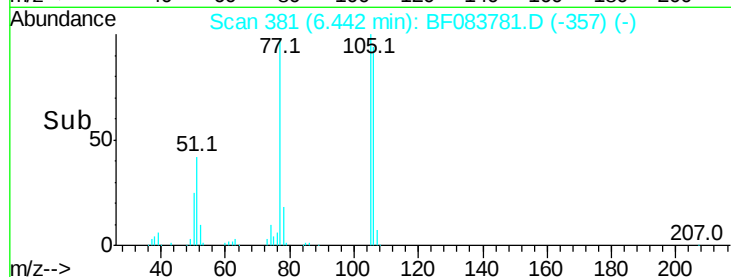
106 95.6 66.8 106.8



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: 32.72 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

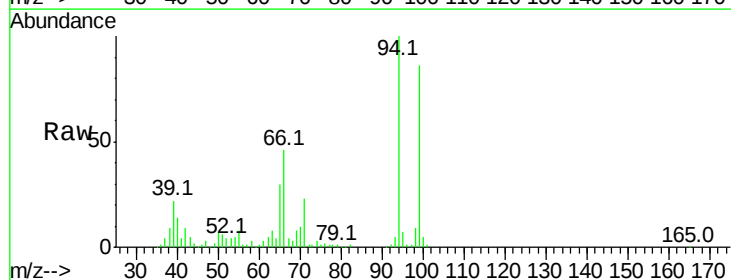
Tgt Ion: 94 Resp: 323108

Ion Ratio Lower Upper

94 100

65 30.3 20.9 60.9

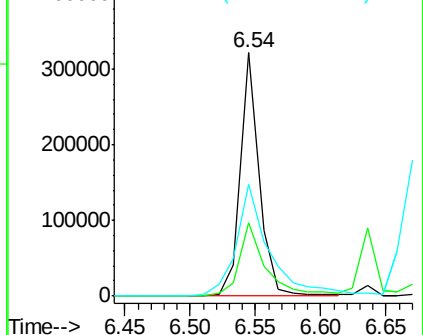
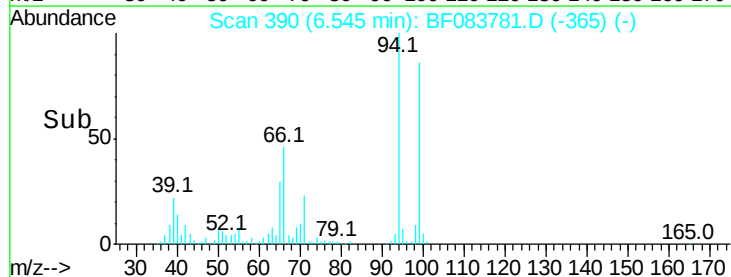
66 45.8 41.6 81.6

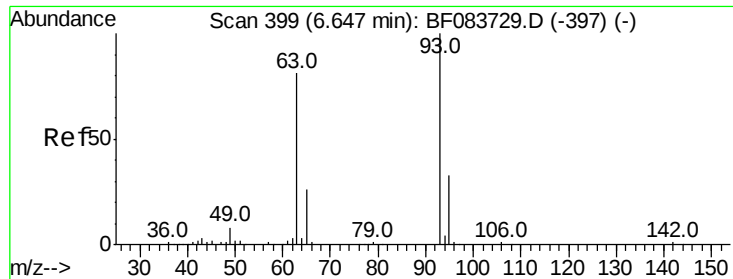


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

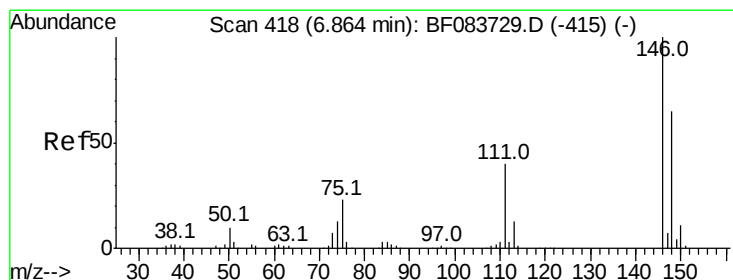
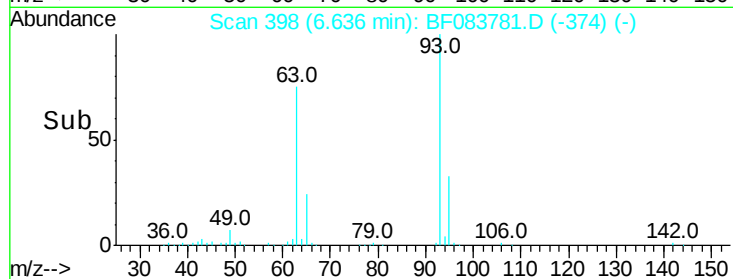
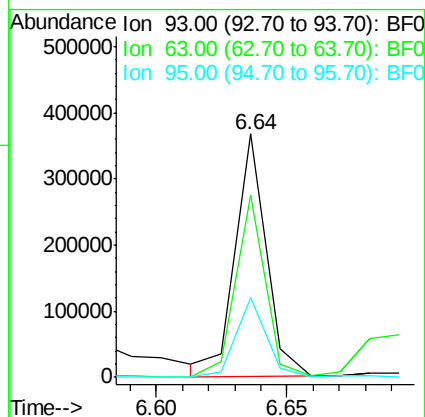
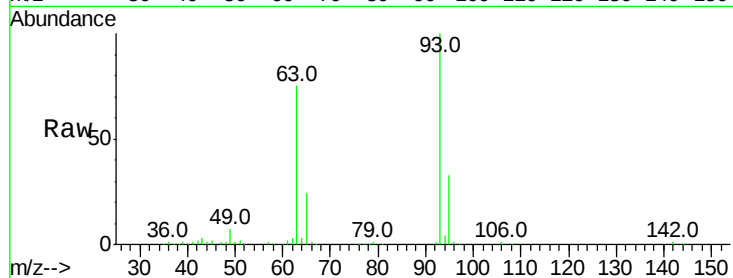




#11
bis(2-Chloroethyl)ether
Concen: 42.17 ng
RT: 6.64 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

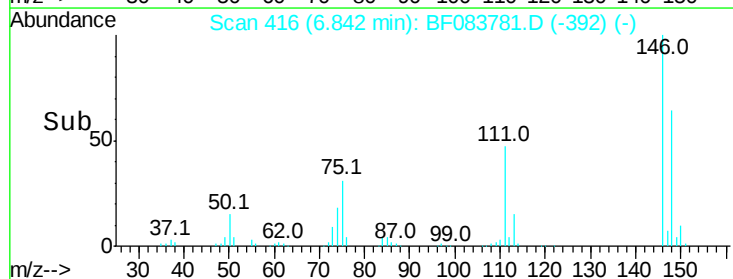
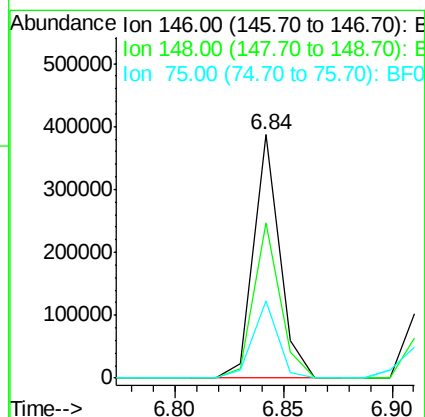
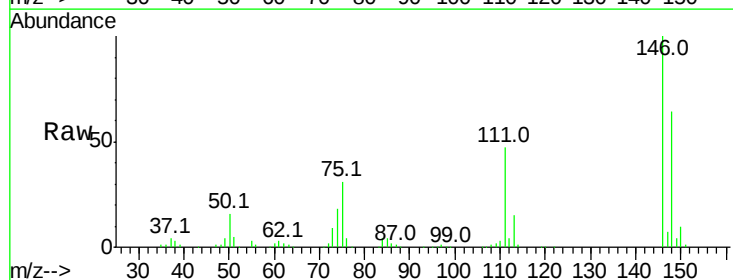
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMS

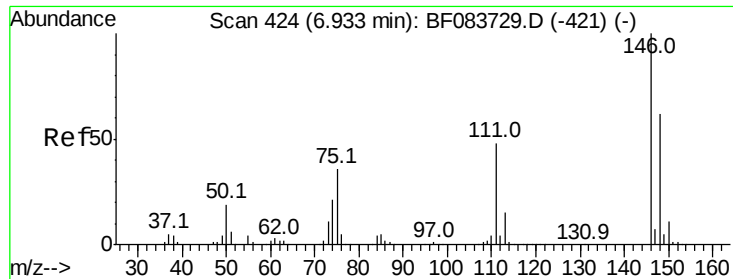
Tot Ion: 93 Resp: 301582
Ion Ratio Lower Upper
93 100
63 75.0 64.7 104.7
95 32.8 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 38.22 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.02 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

Tgt Ion: 146 Resp: 322949
Ion Ratio Lower Upper
146 100
148 63.8 51.3 76.9
75 31.5 24.1 36.1

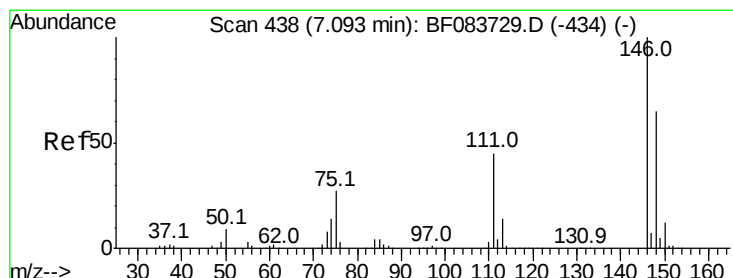
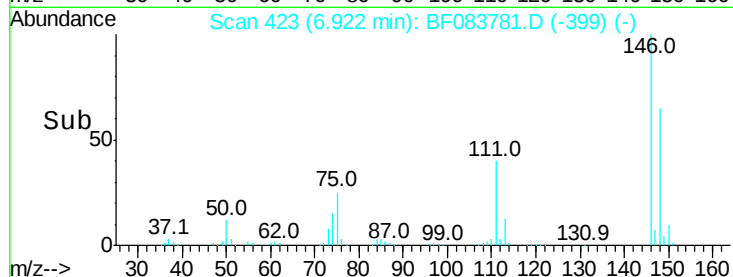
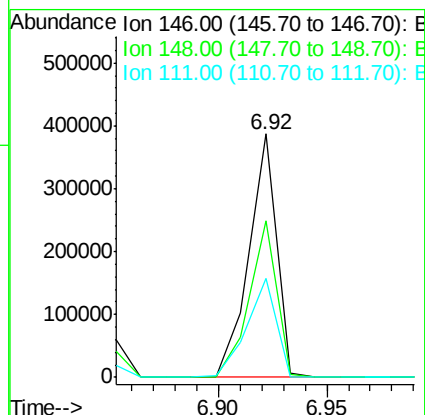
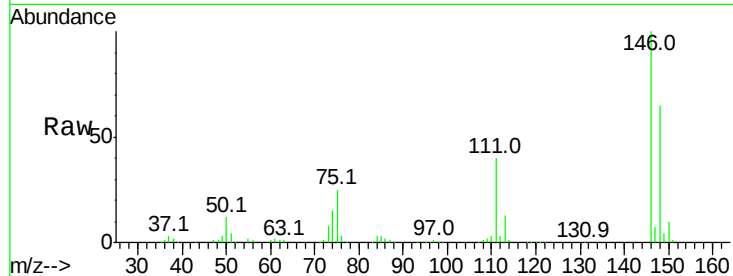




#13
 1,4-Dichlorobenzene
 Concen: 39.97 ng
 RT: 6.92 min Scan# 423
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

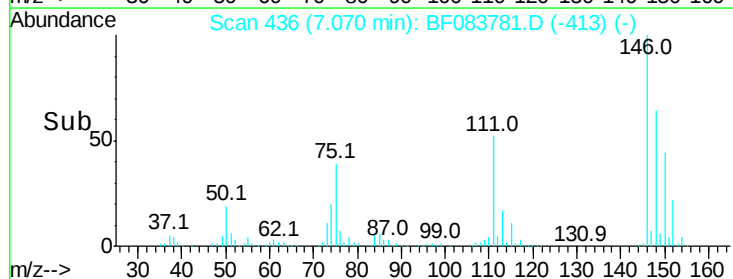
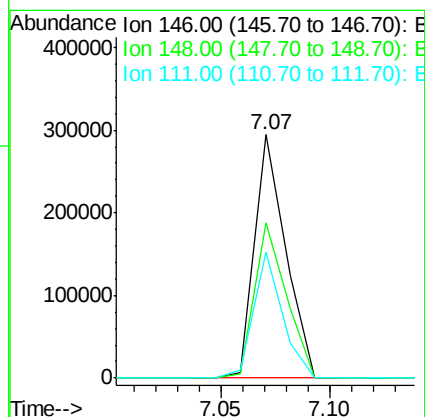
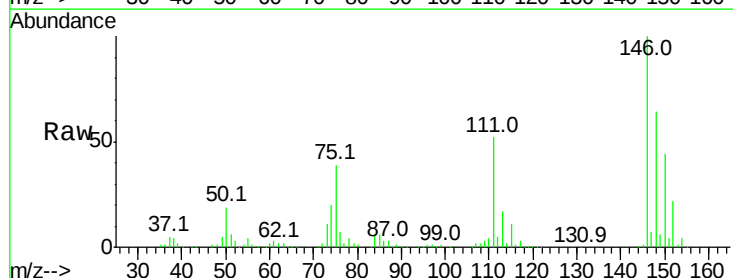
Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

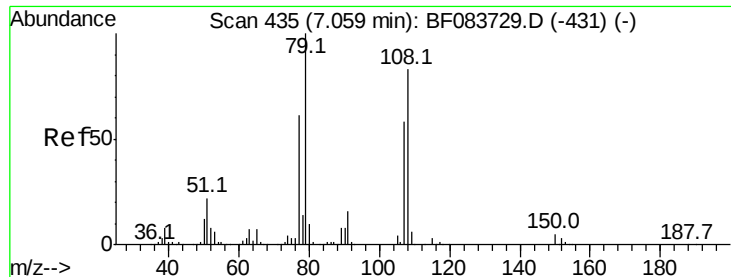
Tot Ion:146 Resp: 341276
 Ion Ratio Lower Upper
 146 100
 148 64.5 50.6 76.0
 111 40.5 36.1 54.1



#14
 1,2-Dichlorobenzene
 Concen: 38.07 ng
 RT: 7.07 min Scan# 436
 Delta R.T. -0.03 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Tgt Ion:146 Resp: 292083
 Ion Ratio Lower Upper
 146 100
 148 63.7 51.4 77.0
 111 51.6 36.7 55.1





#15

Benzyl Alcohol

Concen: 48.31 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

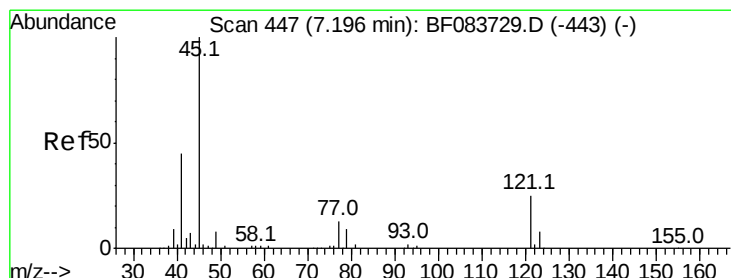
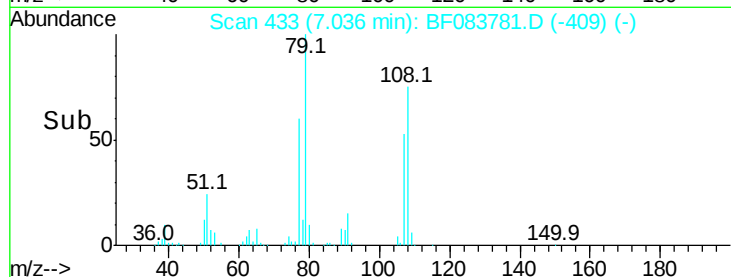
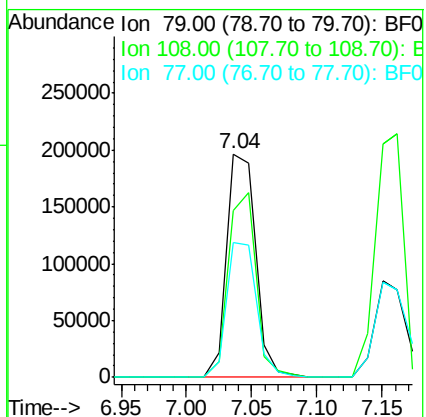
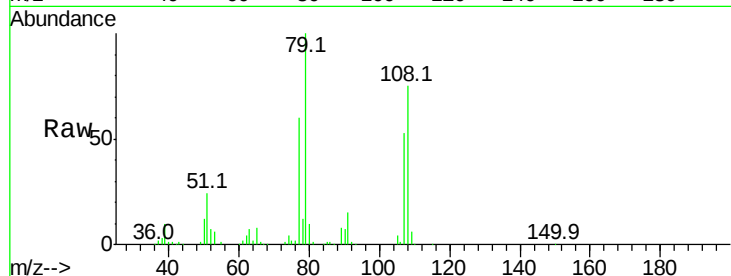
Tot Ion: 79 Resp: 304501

Ion Ratio Lower Upper

79 100

108 74.8 59.6 89.4

77 60.3 49.8 74.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.67 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

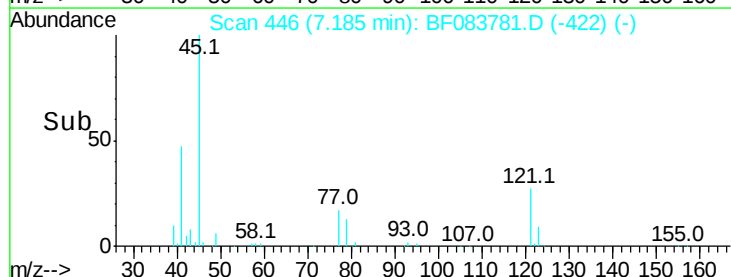
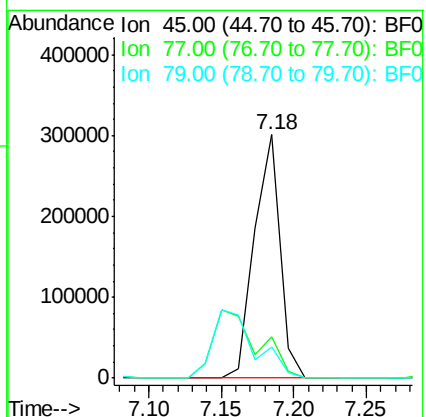
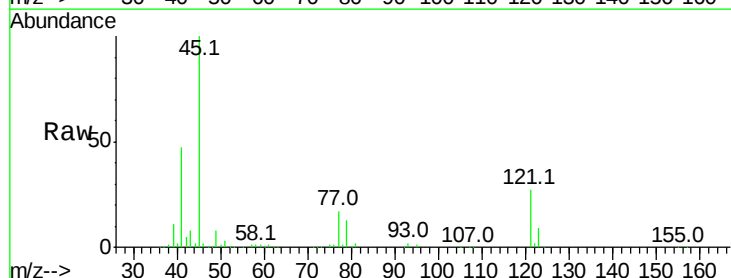
Tgt Ion: 45 Resp: 368377

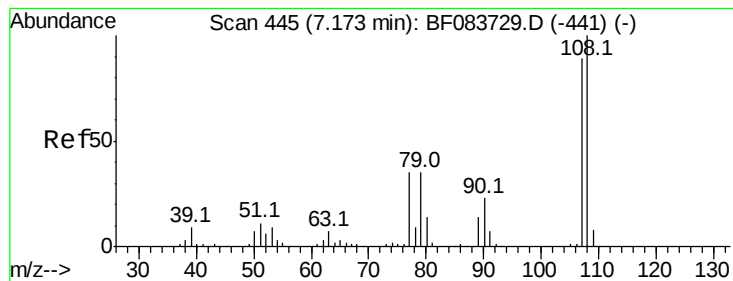
Ion Ratio Lower Upper

45 100

77 17.3 12.8 52.8

79 12.7 10.7 50.7





#17

2-Methylphenol

Concen: 44.89 ng

RT: 7.16 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

Tot Ion:107 Resp: 287346

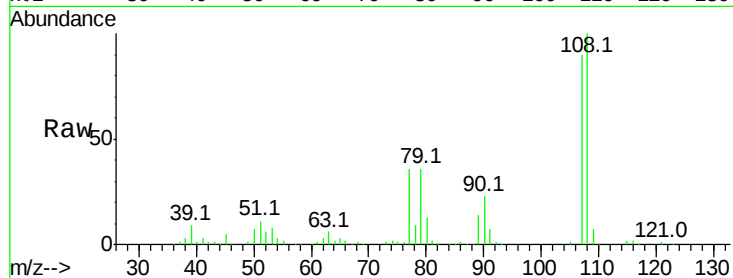
Ion Ratio Lower Upper

107 100

108 111.2 91.6 137.4

77 39.7 53.7 80.5#

79 40.1 50.2 75.4#

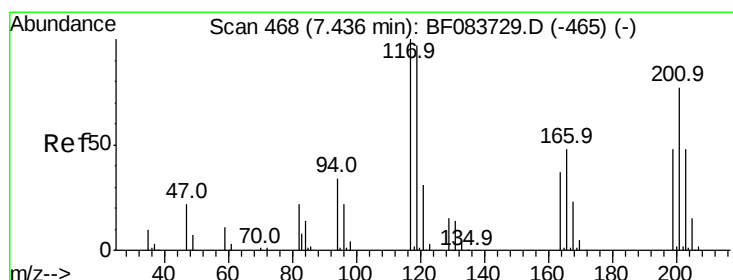
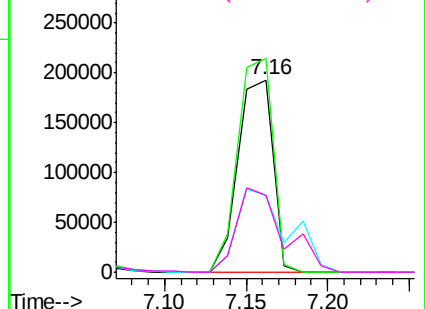
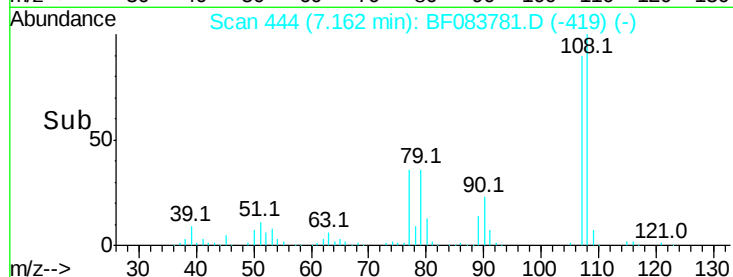


Abundance Ion 107.00 (106.70 to 107.70): E

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: 38.56 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.03 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

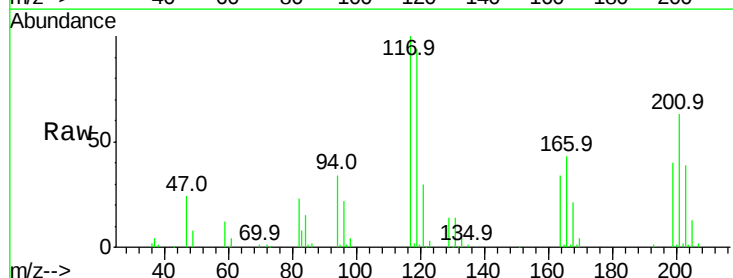
Tgt Ion:117 Resp: 116929

Ion Ratio Lower Upper

117 100

119 94.1 77.2 115.8

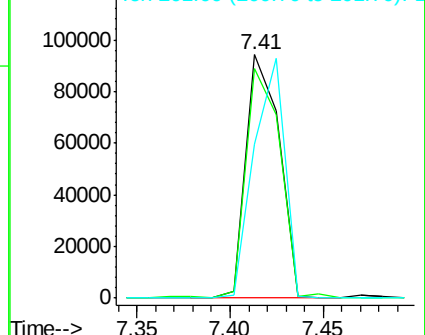
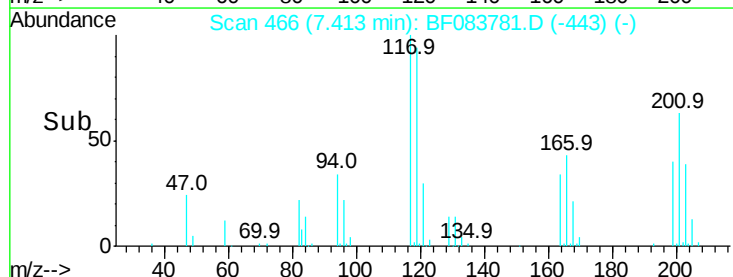
201 63.3 86.8 130.2#

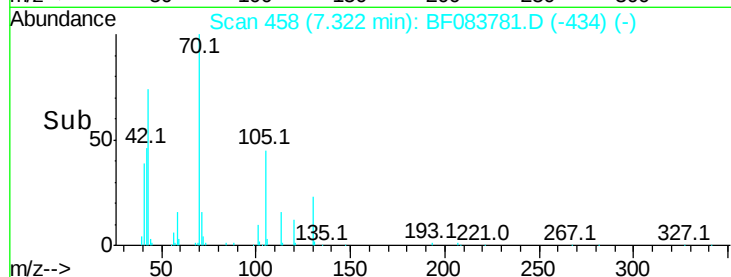
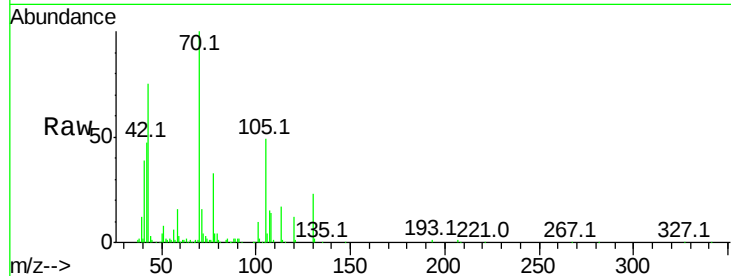
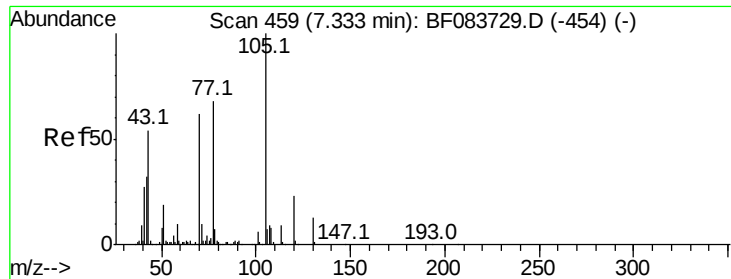


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

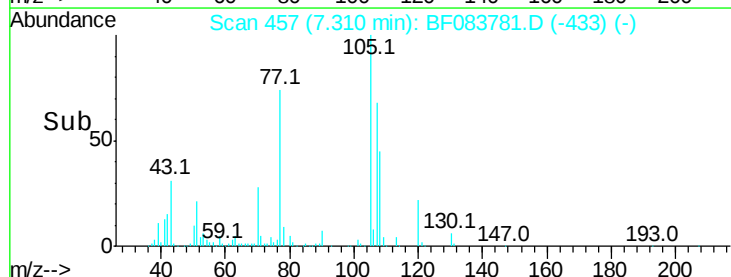
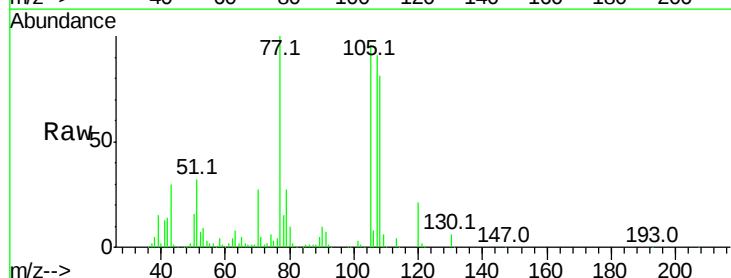
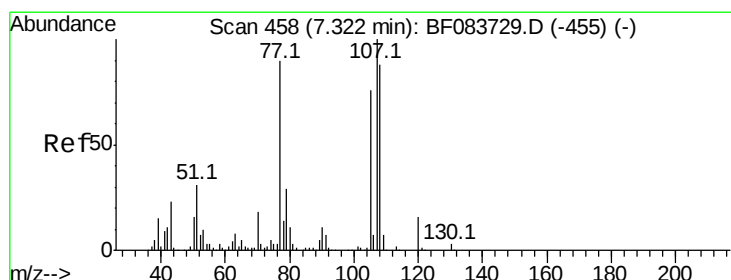
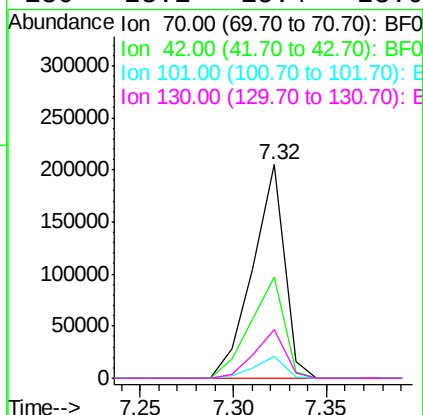




#19
n-Nitroso-di-n-propylamine
Concen: 46.17 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

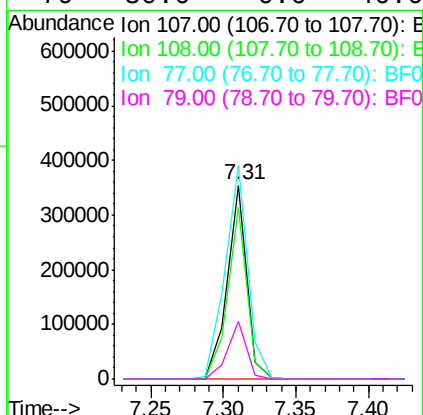
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMS

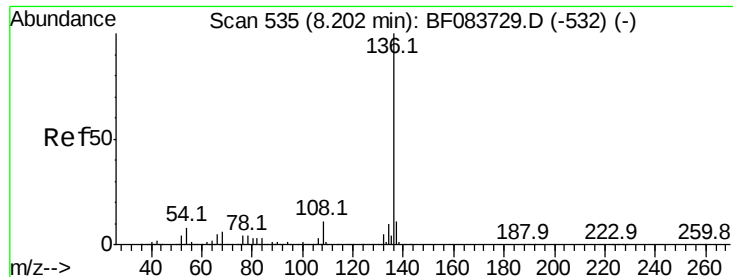
Tot Ion: 70 Resp: 242547
Ion Ratio Lower Upper
70 100
42 47.4 49.2 73.8#
101 10.4 7.1 10.7
130 23.1 15.4 23.0#



#20
3+4-Methylphenols
Concen: 43.68 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

Tgt Ion:107 Resp: 330048
Ion Ratio Lower Upper
107 100
108 88.7 65.2 105.2
77 110.2 15.2 55.2#
79 30.0 6.0 46.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

Tot Ion:136 Resp: 451343

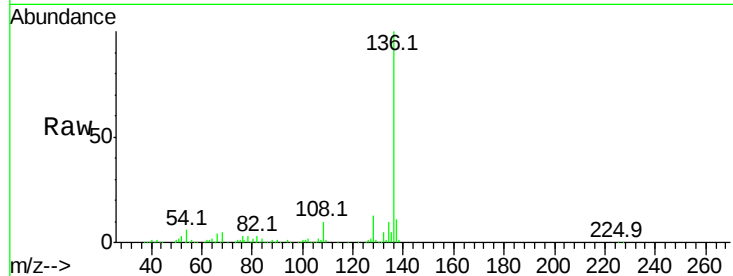
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 5.6 7.8 11.6#

68 4.7 5.7 8.5#



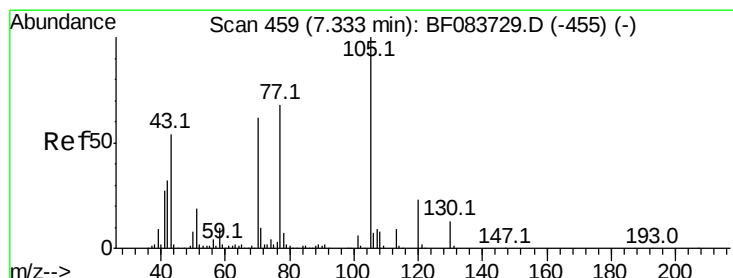
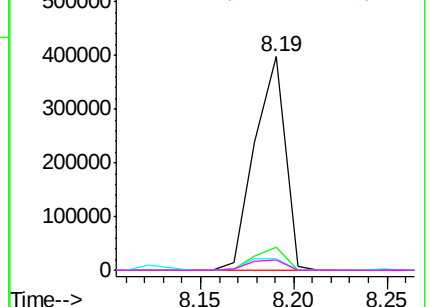
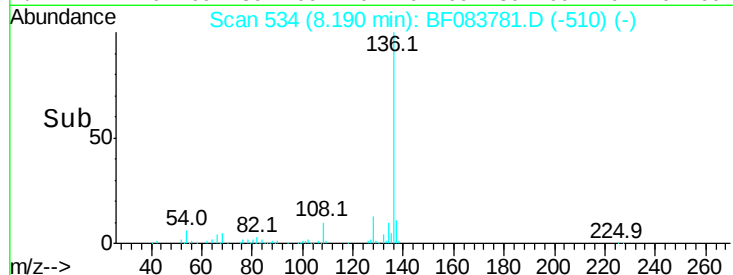
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 39.24 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Tgt Ion:105 Resp: 434497

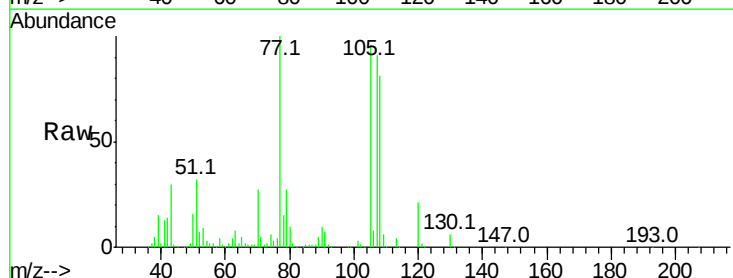
Ion Ratio Lower Upper

105 100

71 4.9 1.3 1.9#

51 33.3 23.8 35.8

120 21.3 16.7 25.1



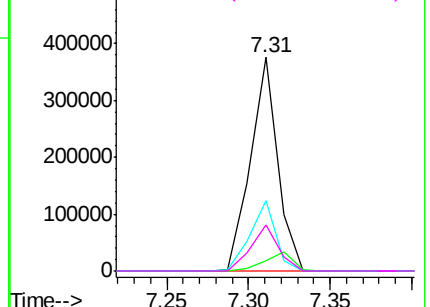
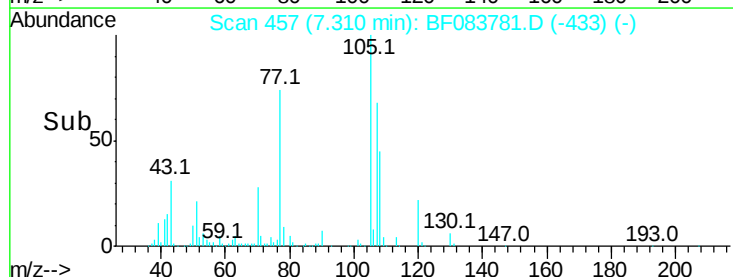
Abundance

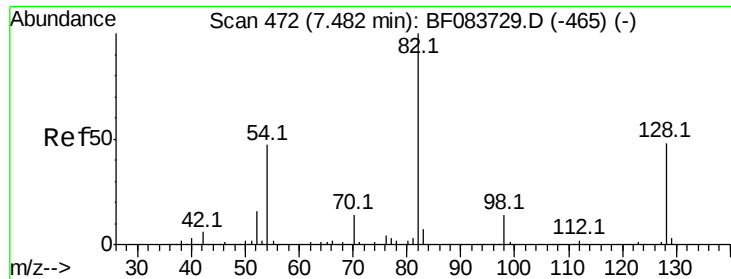
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

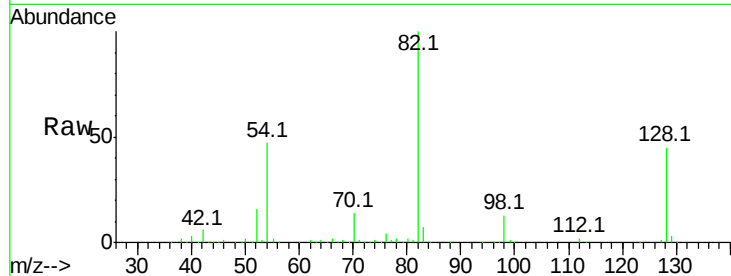




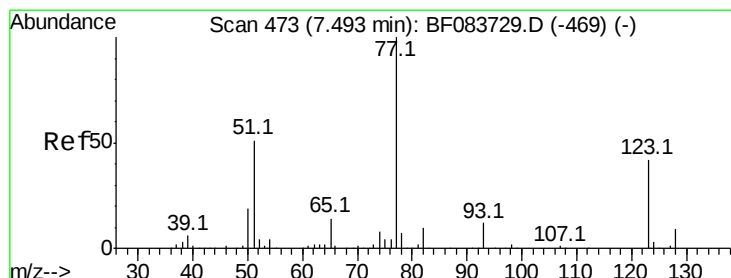
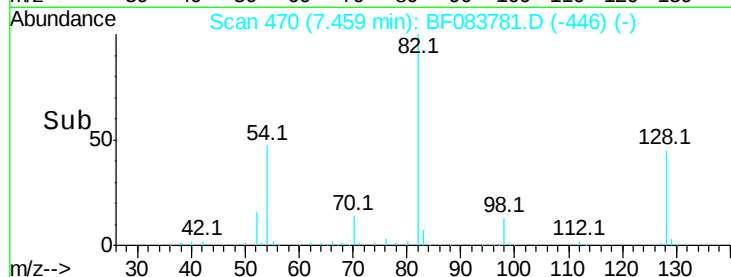
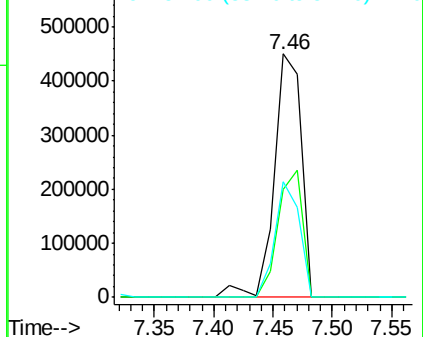
#23
 Nitrobenzene-d5
 Concen: 87.43 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	30.7	46.1
54	47.4	42.5	63.7

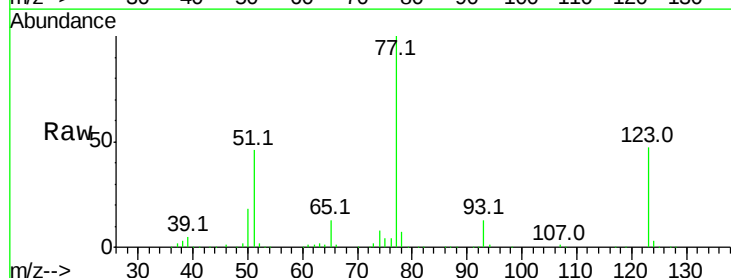


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

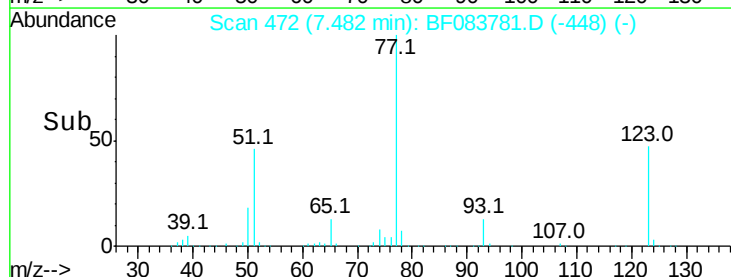
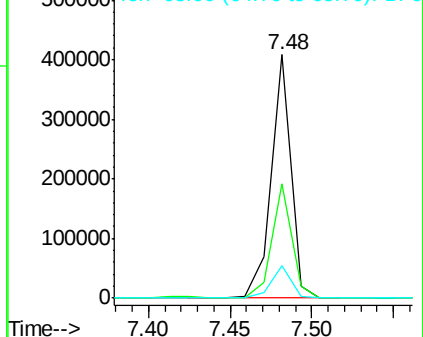


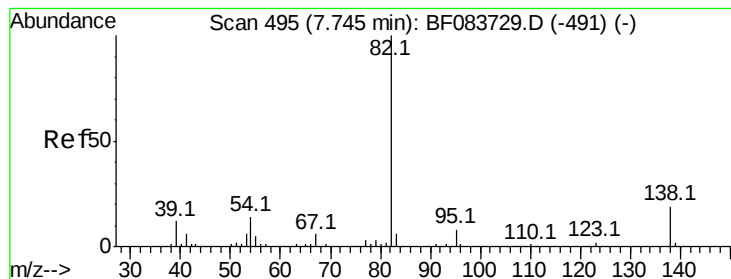
#24
 Nitrobenzene
 Concen: 40.99 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.8	29.8	44.6#
65	13.3	11.1	16.7



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





#25

Isophorone

Concen: 41.96 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

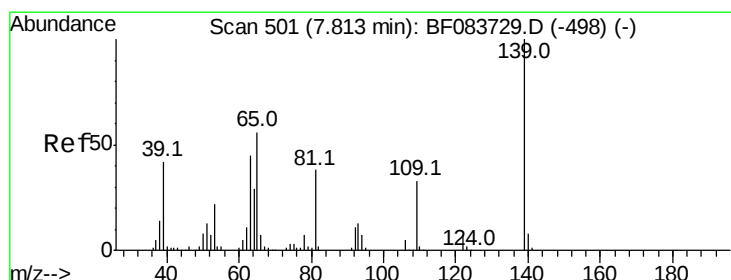
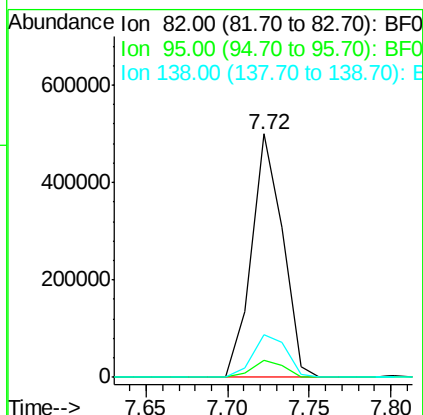
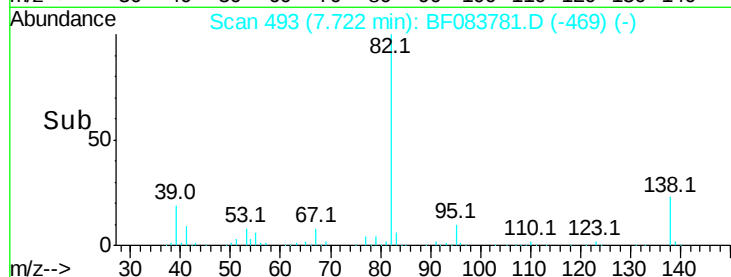
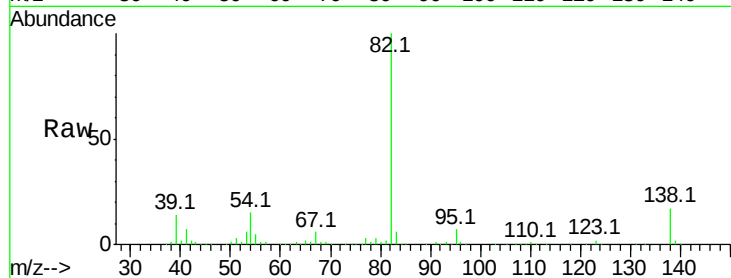
Tot Ion: 82 Resp: 664105

Ion Ratio Lower Upper

82 100

95 7.3 5.0 7.4

138 17.4 12.1 18.1



#26

2-Nitrophenol

Concen: 48.94 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

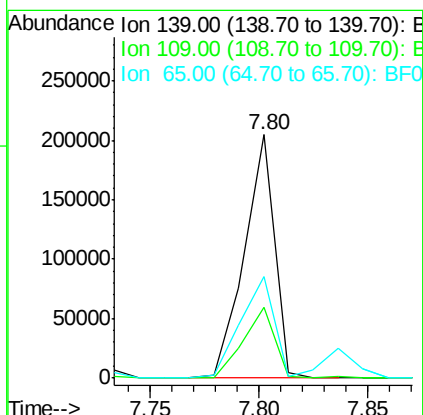
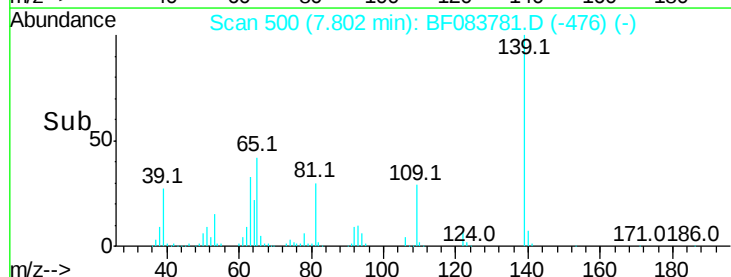
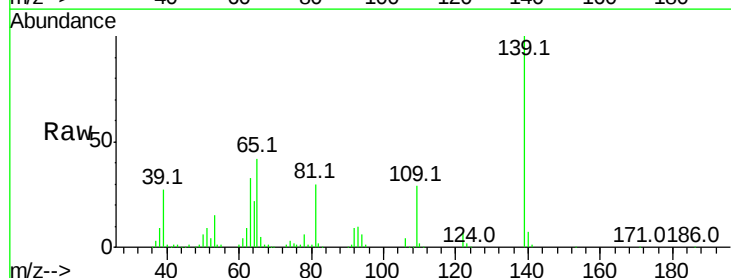
Tgt Ion:139 Resp: 197399

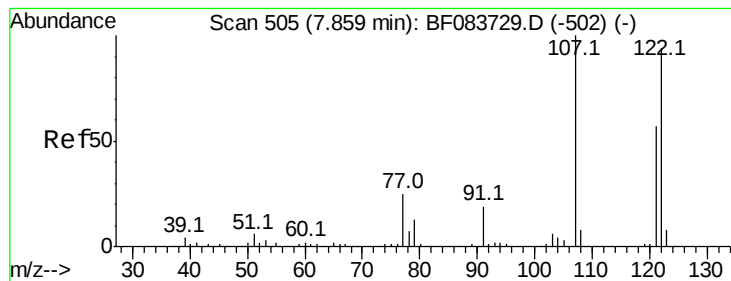
Ion Ratio Lower Upper

139 100

109 29.2 22.7 34.1

65 41.7 51.8 77.8#



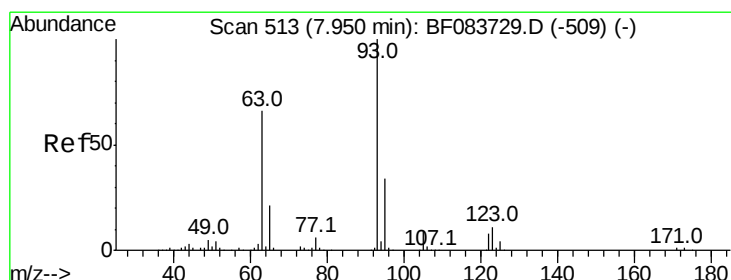
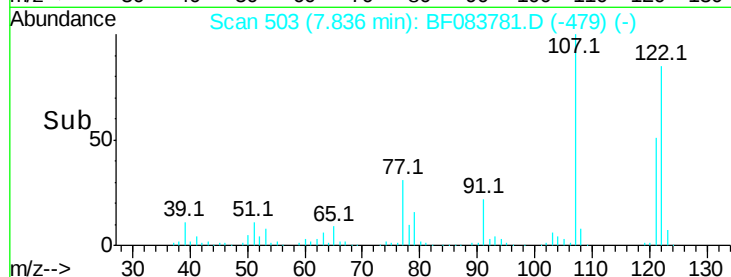
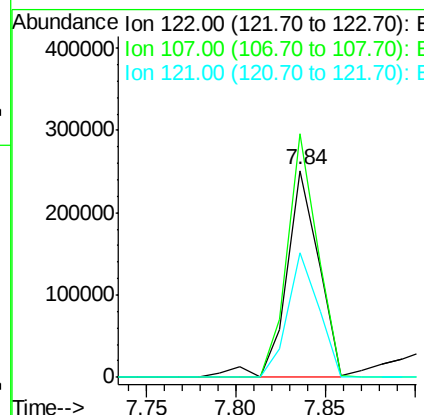
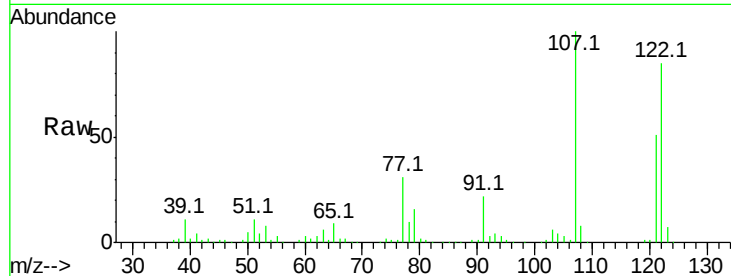


#27
 2,4-Dimethylphenol
 Concen: 40.18 ng/ml
 RT: 7.84 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

Tot Ion: 122 Resp: 318440

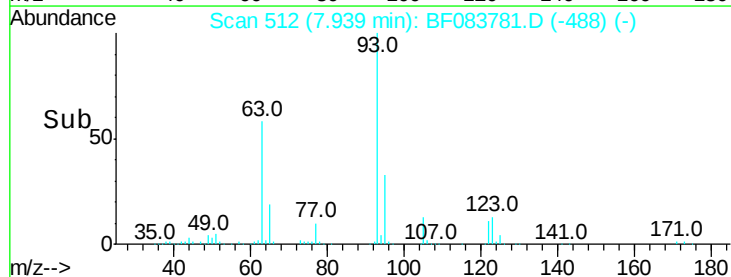
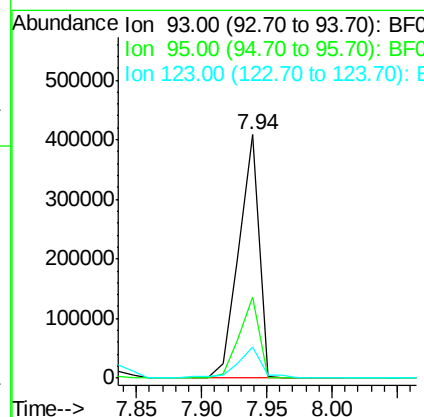
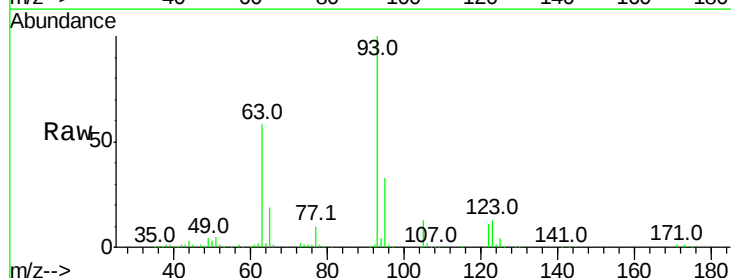
Ion	Ratio	Lower	Upper
122	100		
107	117.6	92.4	138.6
121	60.1	45.8	68.6

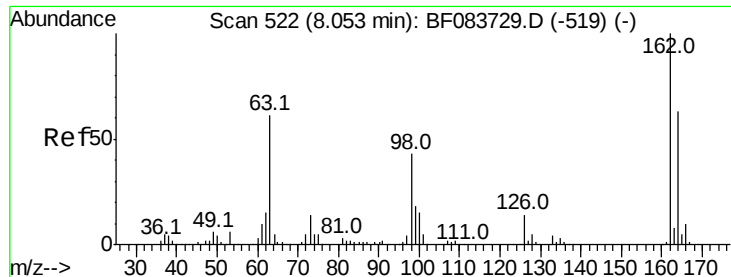


#28
 bis(2-Chloroethoxy)methane
 Concen: 48.13 ng/ml
 RT: 7.94 min Scan# 512
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Tgt Ion: 93 Resp: 434686

Ion	Ratio	Lower	Upper
93	100		
95	33.3	25.6	38.4
123	12.6	7.3	10.9

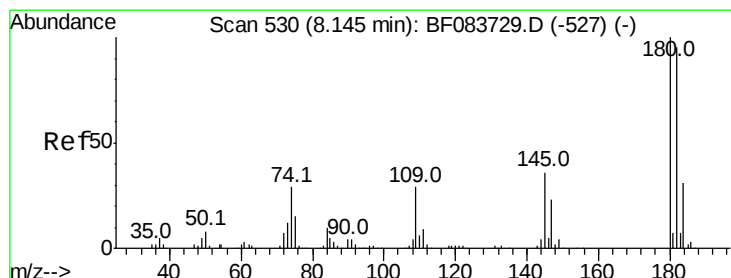
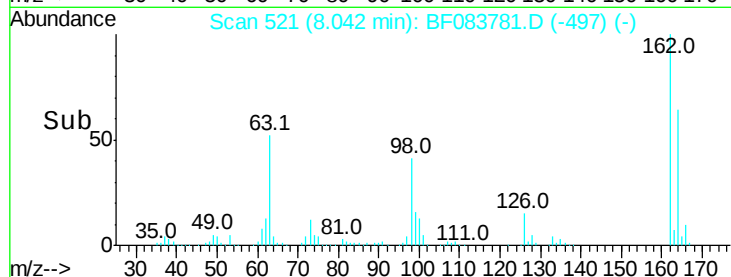
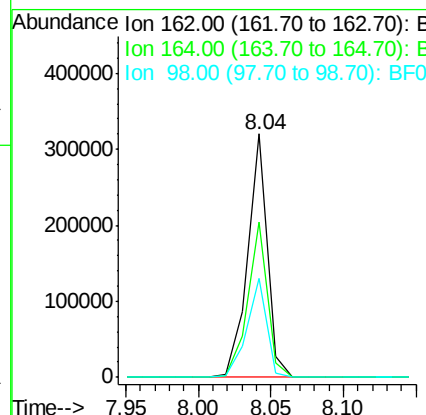
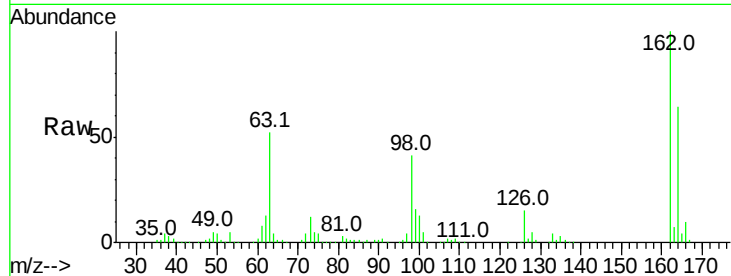




#29
 2,4-Dichlorophenol
 Concen: 46.40 ng
 RT: 8.04 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

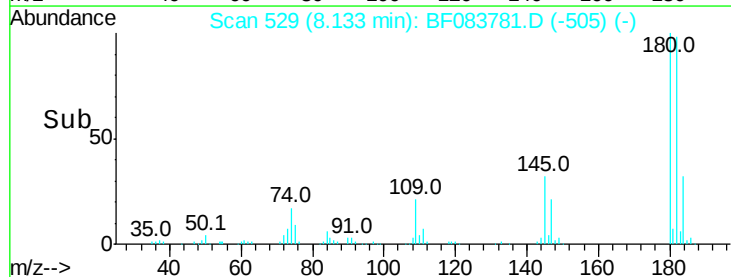
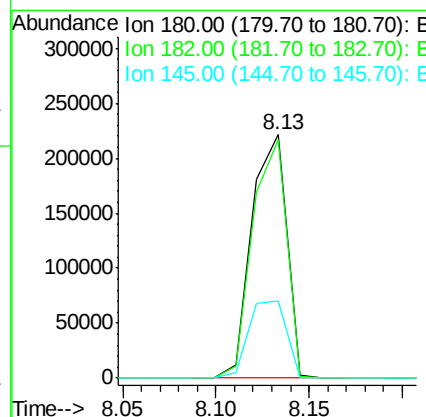
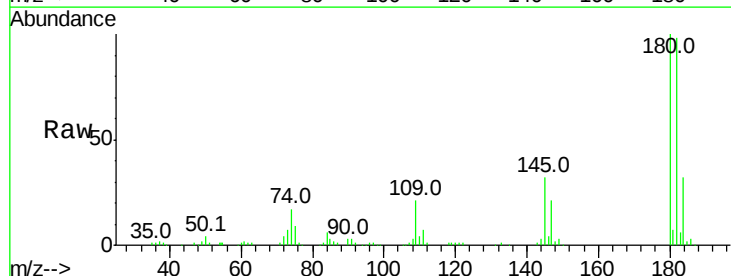
Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

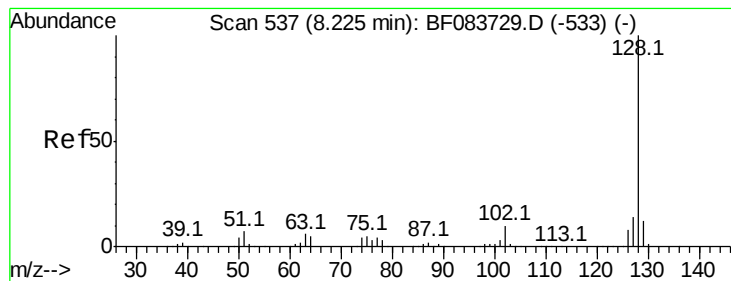
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.4	83.4
98	40.6	17.5	57.5



#30
 1,2,4-Trichlorobenzene
 Concen: 42.38 ng
 RT: 8.13 min Scan# 529
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	74.9	112.3
145	31.8	24.7	37.1





#31

Naphthalene

Concen: 46.38 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

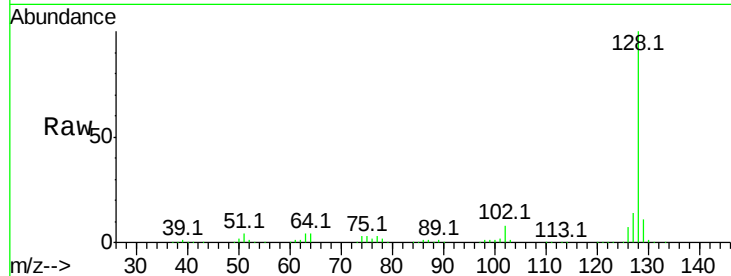
Tot Ion:128 Resp: 1091153

Ion Ratio Lower Upper

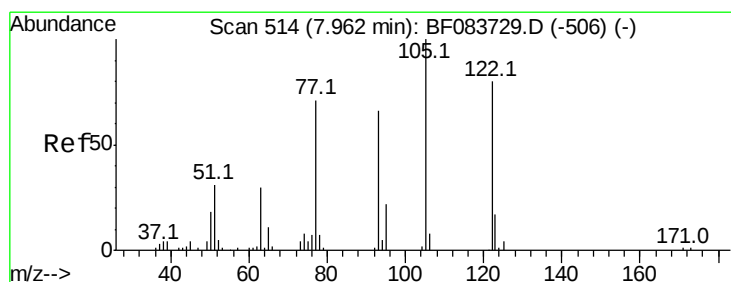
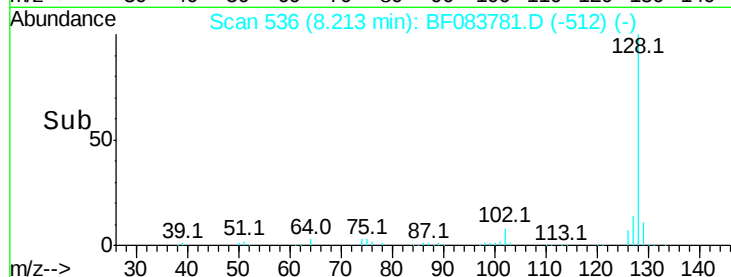
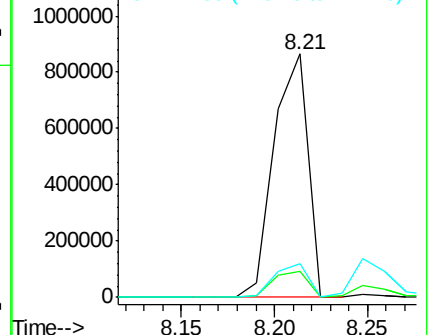
128 100

129 10.9 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: 46.83 ng m

RT: 7.95 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

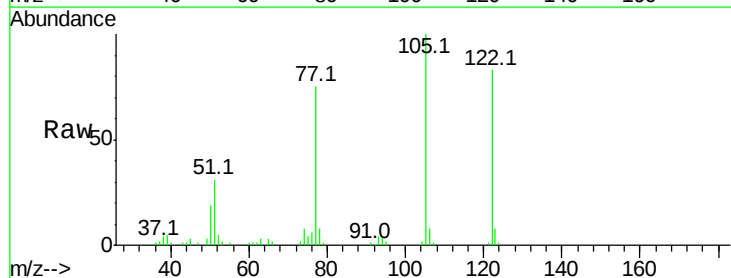
Tgt Ion:122 Resp: 231338

Ion Ratio Lower Upper

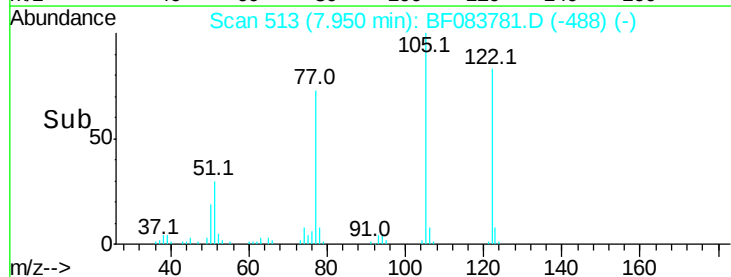
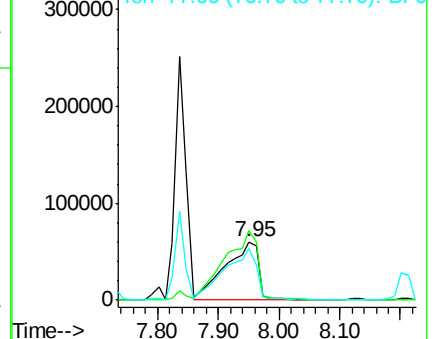
122 100

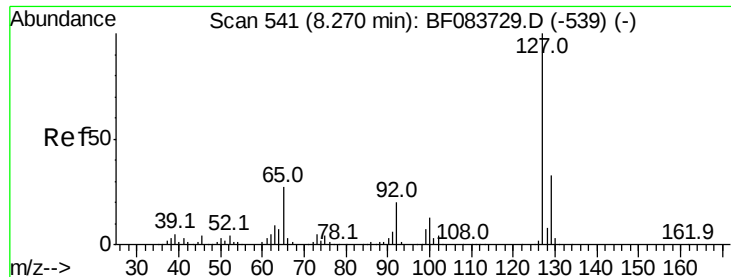
105 120.1 105.6 145.6

77 90.1 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

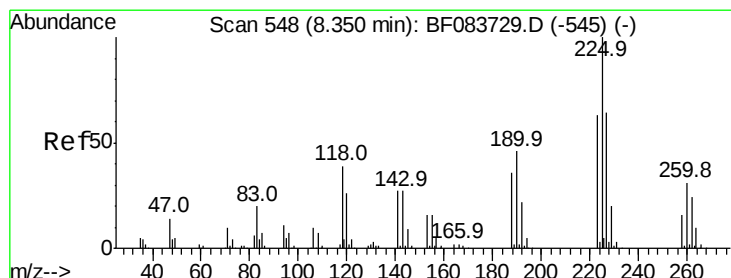
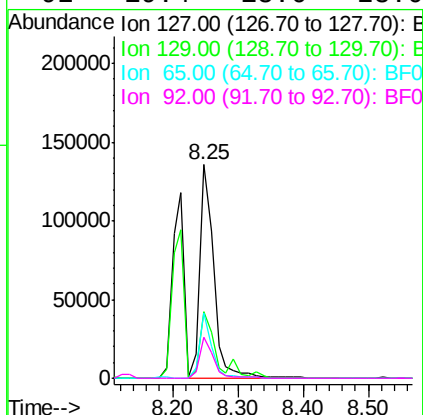
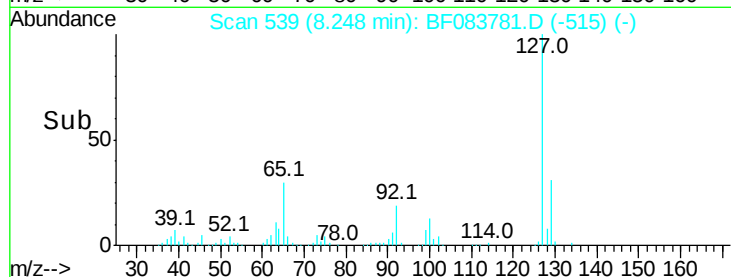
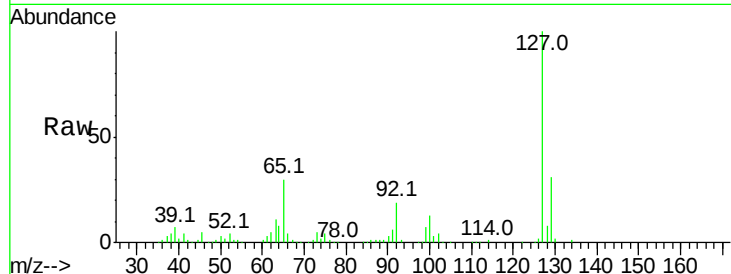




#33
4-Chloroaniline
Concen: 20.68 ng
RT: 8.25 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

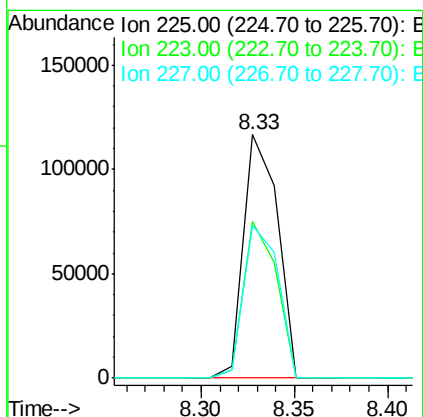
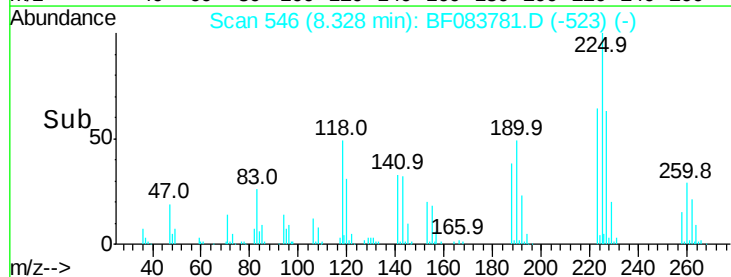
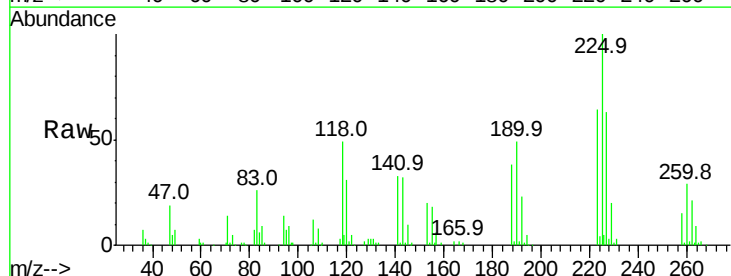
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMS

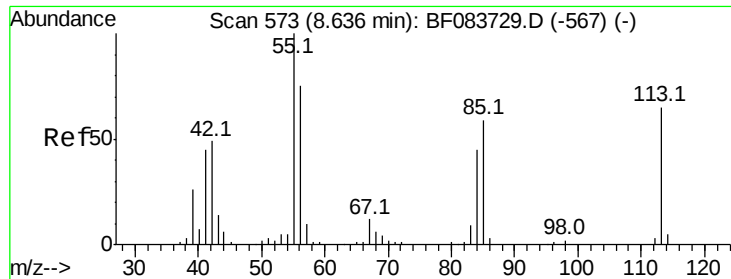
Tot Ion:	127	Resp:	198771
Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.1	39.1
65	30.3	33.5	50.3#
92	19.4	18.6	28.0



#34
Hexachlorobutadiene
Concen: 39.82 ng
RT: 8.33 min Scan# 546
Delta R.T. -0.03 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

Tgt Ion:	225	Resp:	147453
Ion	Ratio	Lower	Upper
225	100		
223	64.2	52.3	78.5
227	62.6	50.4	75.6

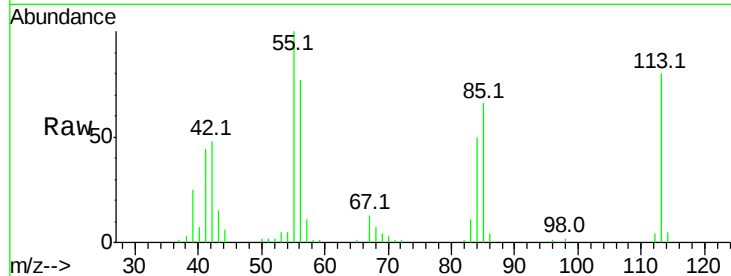




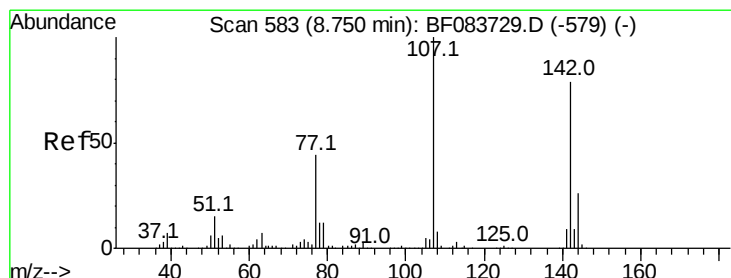
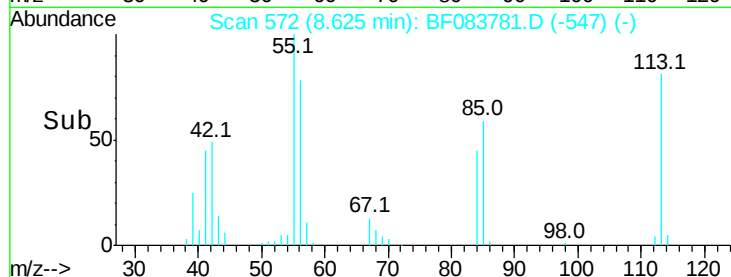
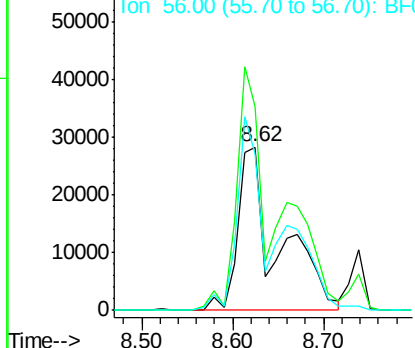
#35
 Caprolactam
 Concen: 41.64 ng/ml
 RT: 8.62 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

Tot Ion:113 Resp: 86991
 Ion Ratio Lower Upper
 113 100
 55 124.6 189.7 229.7#
 56 96.0 130.7 170.7#

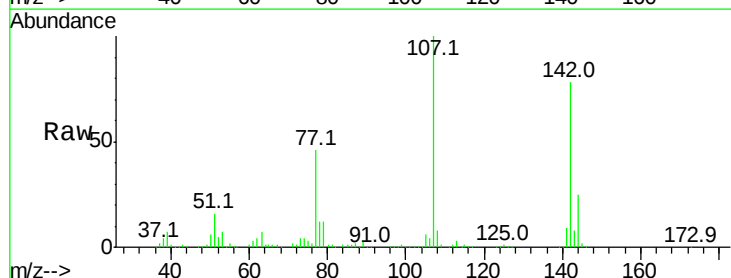


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

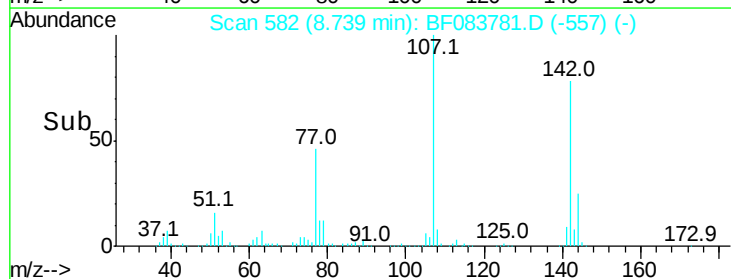
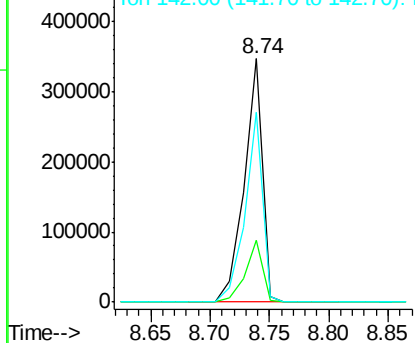


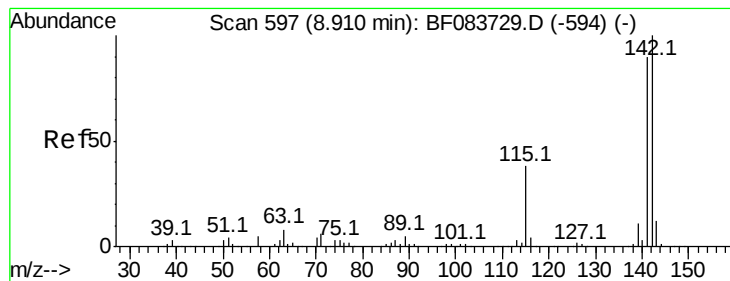
#36
 4-Chloro-3-methylphenol
 Concen: 48.97 ng/ml
 RT: 8.74 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Tgt Ion:107 Resp: 372674
 Ion Ratio Lower Upper
 107 100
 144 25.3 17.5 26.3
 142 77.9 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

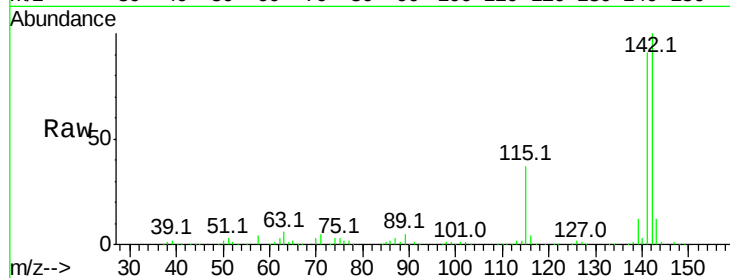




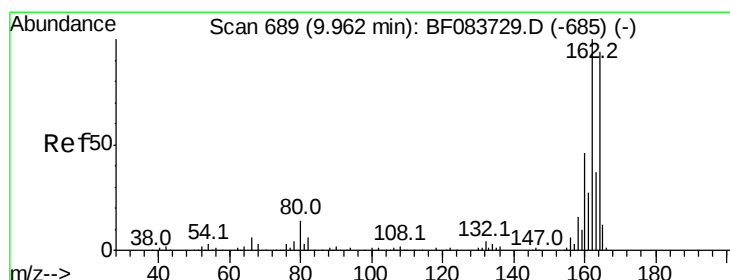
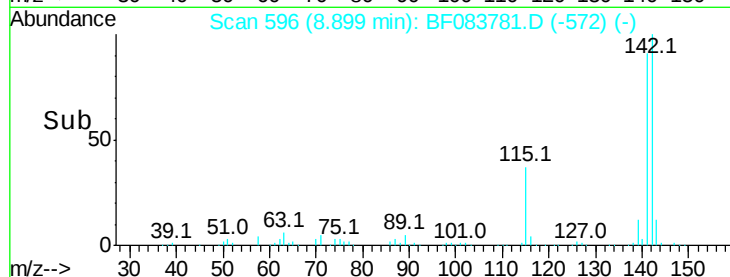
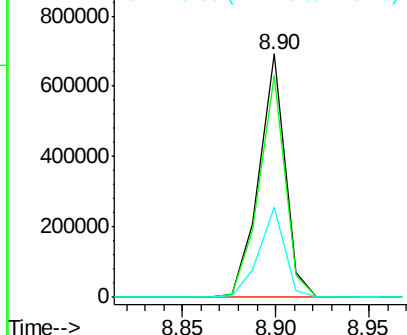
#37
2-Methylnaphthalene
Concen: 45.52 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.02 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMS

Tot Ion:142 Resp: 672296
Ion Ratio Lower Upper
142 100
141 90.9 70.3 105.5
115 37.1 29.2 43.8

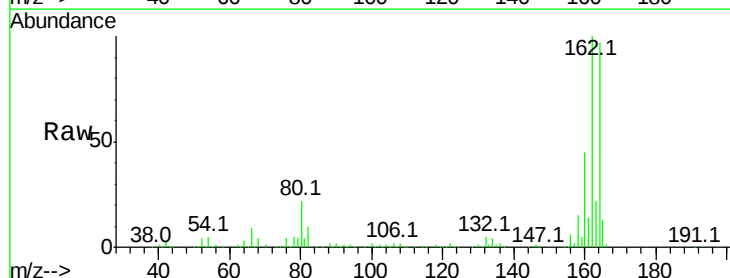


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

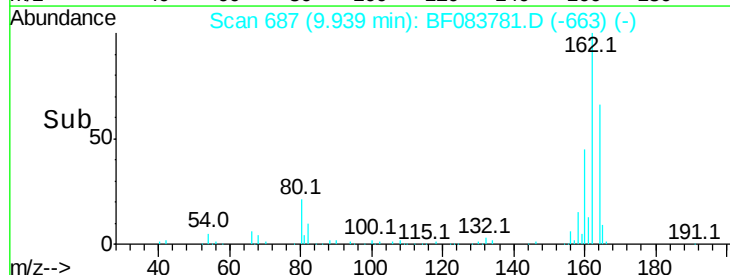
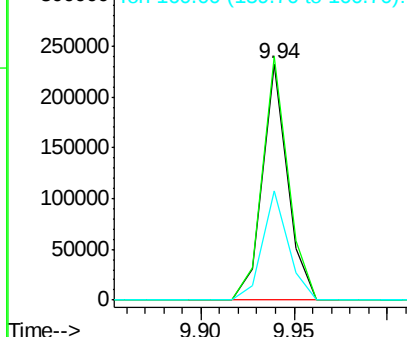


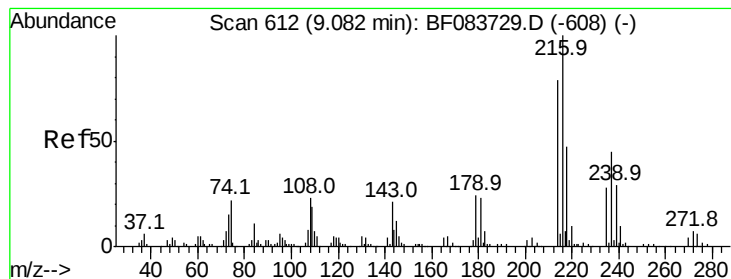
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

Tgt Ion:164 Resp: 215168
Ion Ratio Lower Upper
164 100
162 103.1 78.8 118.2
160 46.5 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: 45.15 ng

RT: 9.07 min Scan# 611

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

Tot Ion:216 Resp: 286590

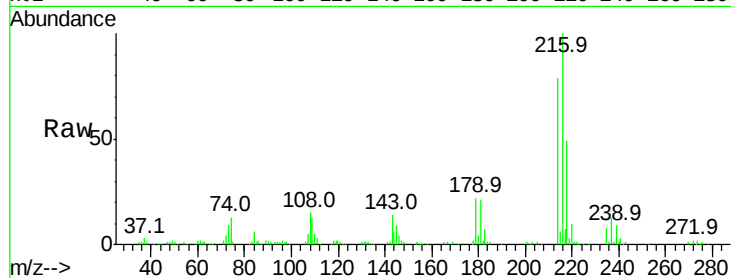
Ion Ratio Lower Upper

216 100

214 79.4 0.0 0.0#

179 22.5 0.0 0.0#

108 21.6 0.0 0.0#

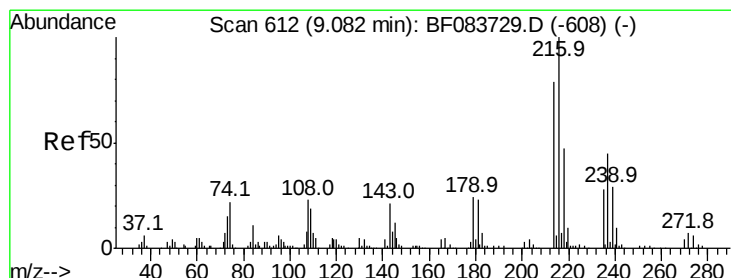
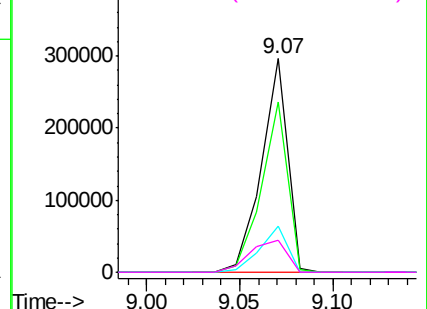
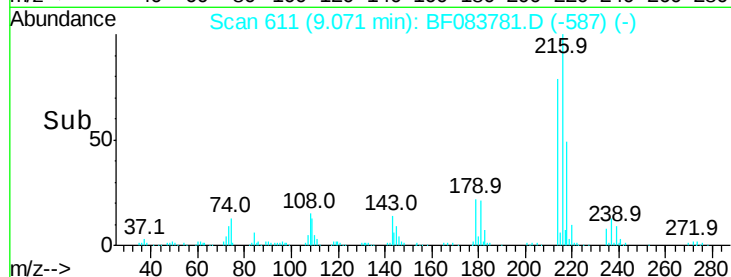


Abundance Ion 216.00 (215.70 to 216.70): E

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: 89.34 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

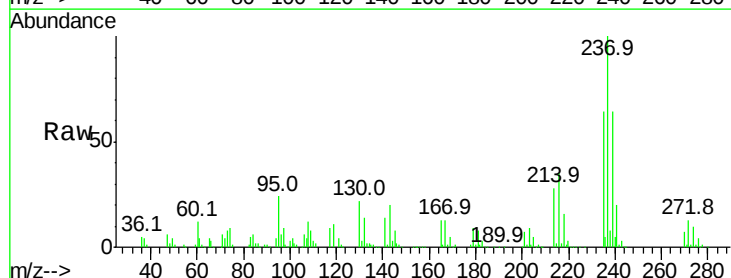
Tgt Ion:237 Resp: 287365

Ion Ratio Lower Upper

237 100

235 64.2 43.9 83.9

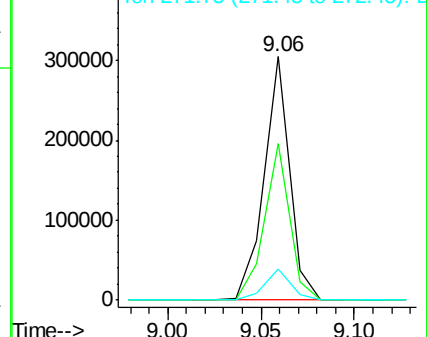
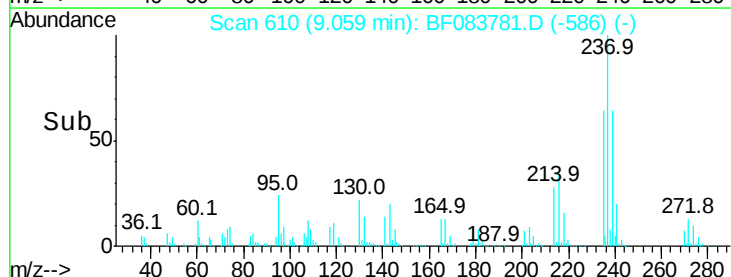
272 12.9 0.0 31.8

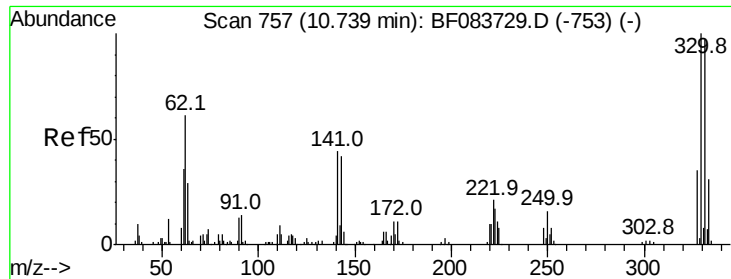


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

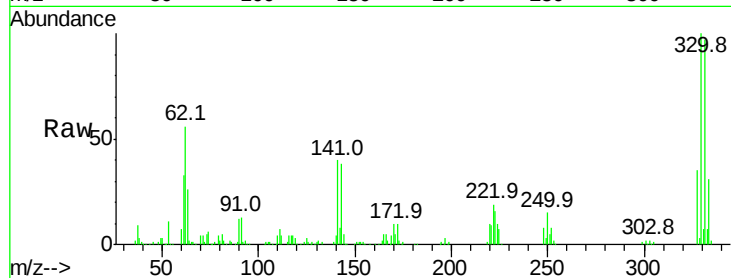




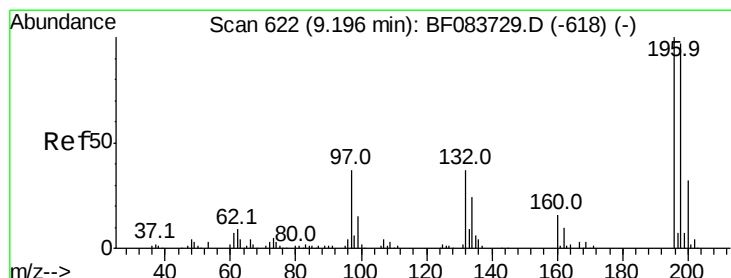
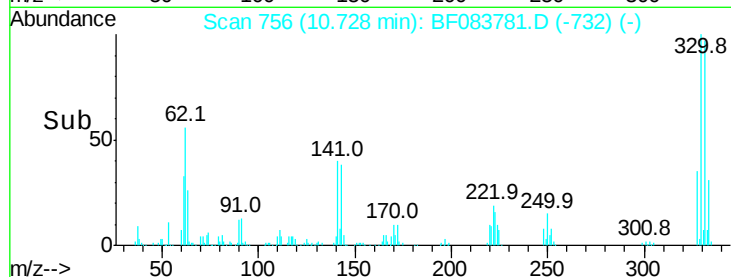
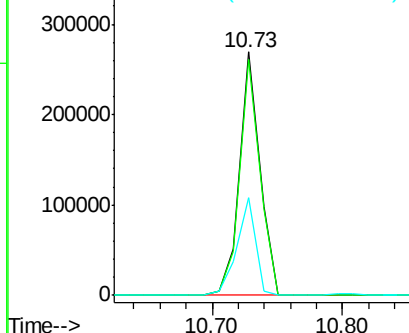
#41
 2,4,6-Tribromophenol
 Concen: 133.19 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	36.5	0.0	0.0#

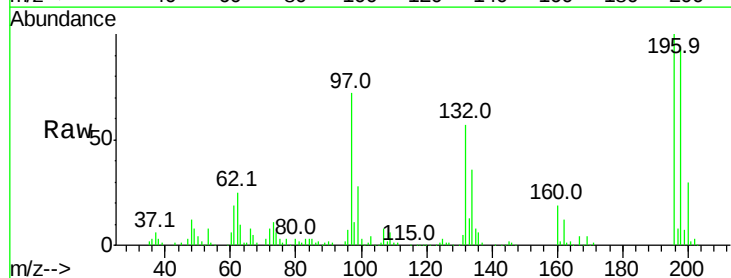


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

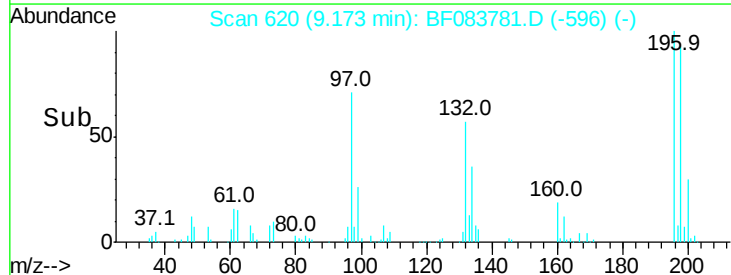
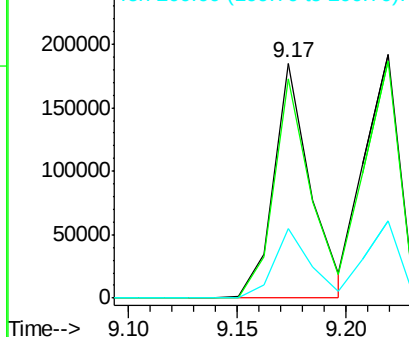


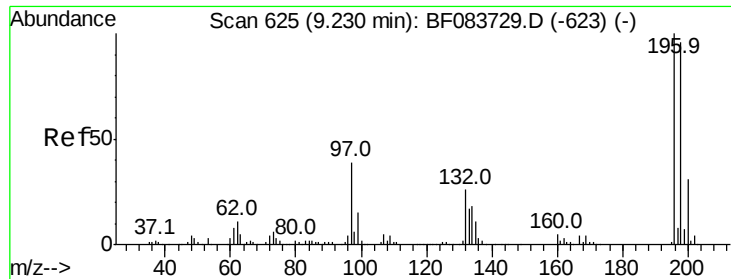
#42
 2,4,6-Trichlorophenol
 Concen: 46.82 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.4	75.2	112.8
200	29.5	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

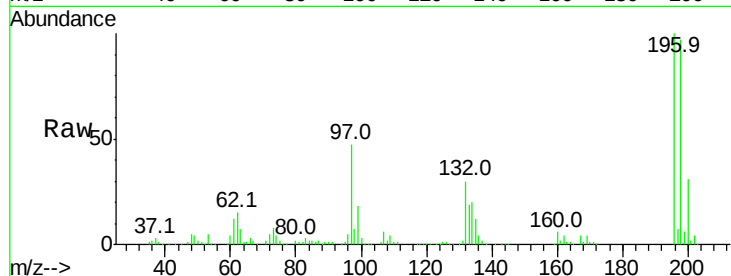




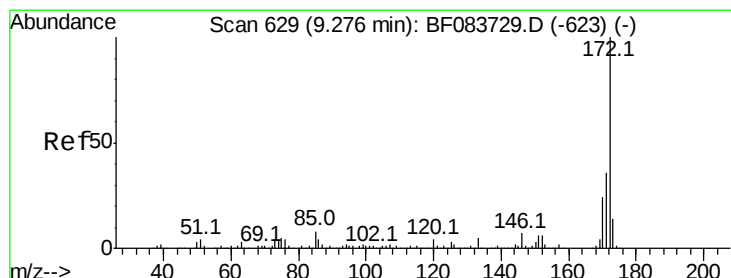
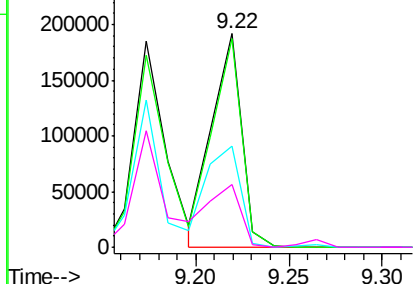
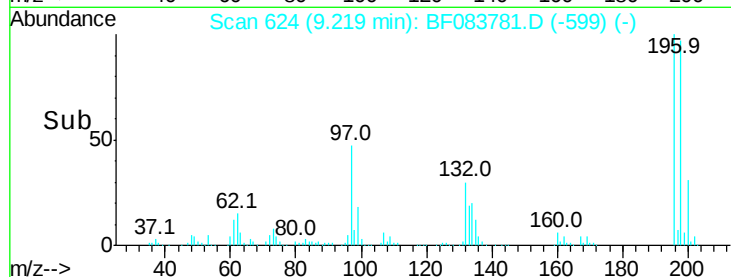
#43
 2,4,5-Trichlorophenol
 Concen: 48.54 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

Tot Ion:196 Resp: 213922
 Ion Ratio Lower Upper
 196 100
 198 97.4 77.7 116.5
 97 47.1 41.2 61.8
 132 29.6 21.8 32.8

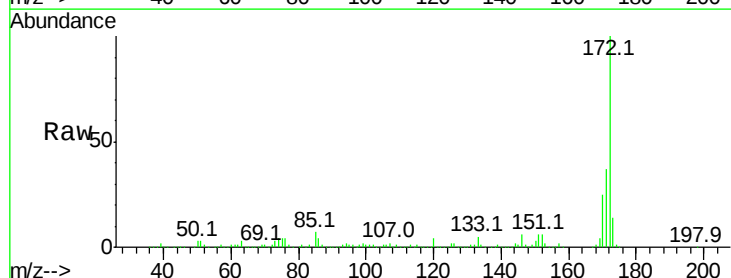


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

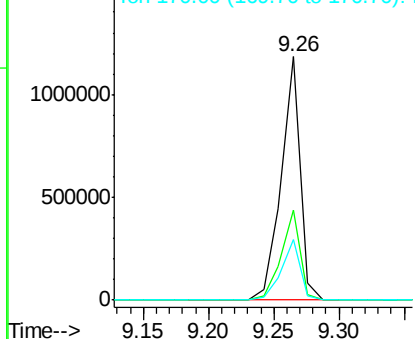
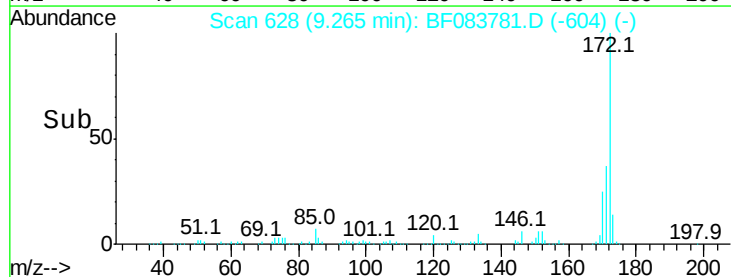


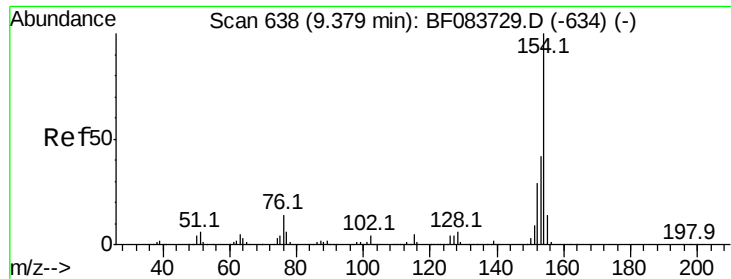
#44
 2-Fluorobiphenyl
 Concen: 81.39 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Tgt Ion:172 Resp: 1210904
 Ion Ratio Lower Upper
 172 100
 171 37.1 28.6 42.8
 170 24.7 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: 45.70 ng

RT: 9.37 min Scan# 637

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

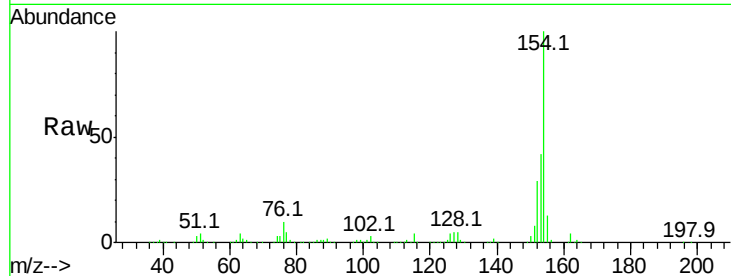
Tot Ion:154 Resp: 871498

Ion Ratio Lower Upper

154 100

153 41.7 20.2 60.2

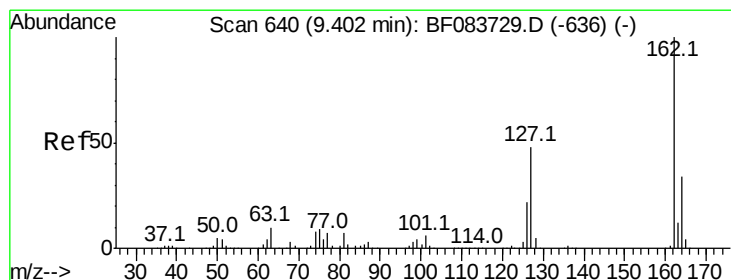
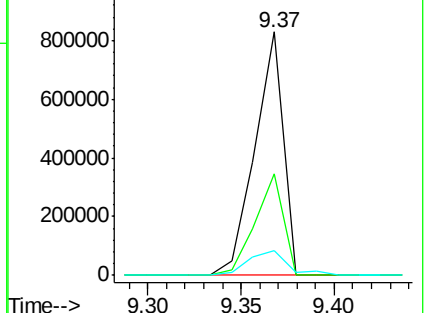
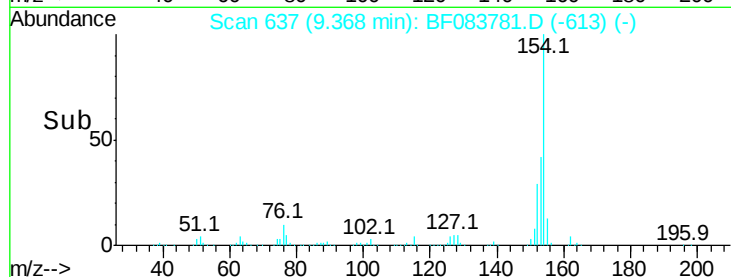
76 10.0 0.0 34.8



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): E



#46

2-Chloronaphthalene

Concen: 46.16 ng

RT: 9.39 min Scan# 639

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

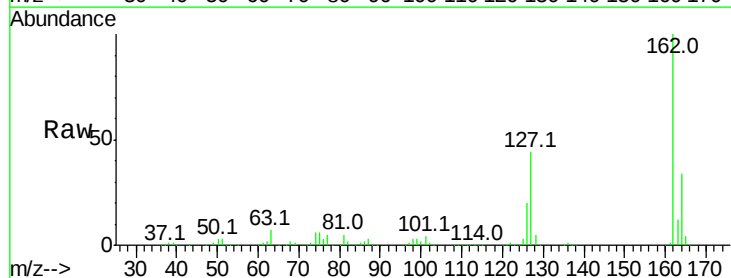
Tgt Ion:162 Resp: 649800

Ion Ratio Lower Upper

162 100

127 43.5 31.0 46.4

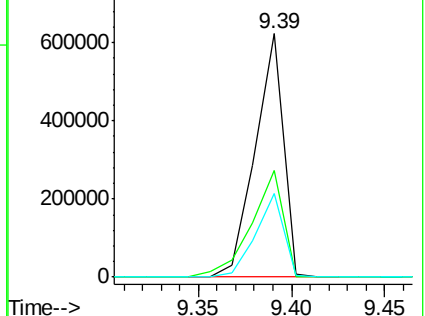
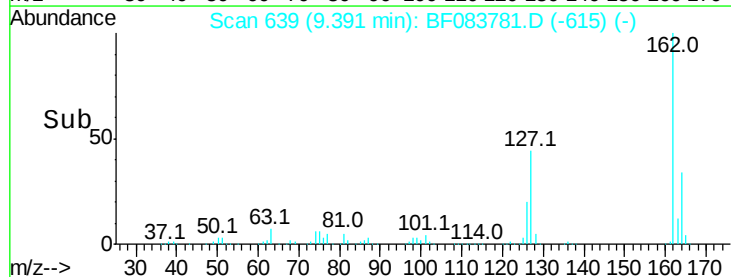
164 34.1 27.4 41.0

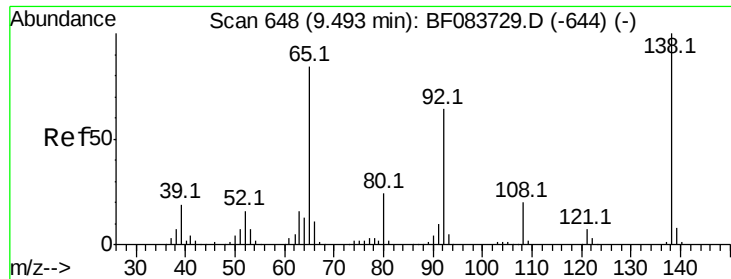


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

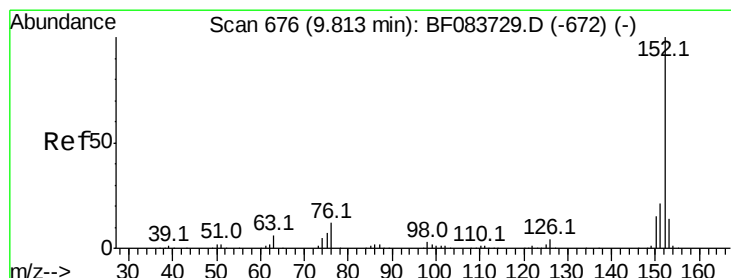
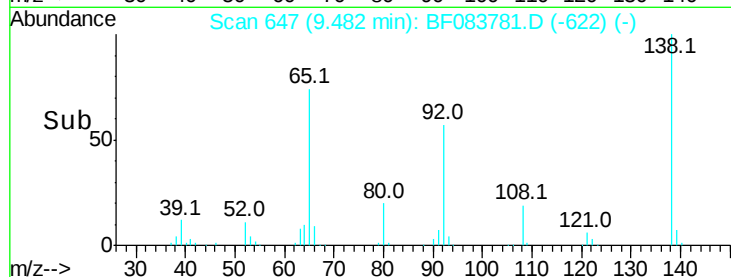
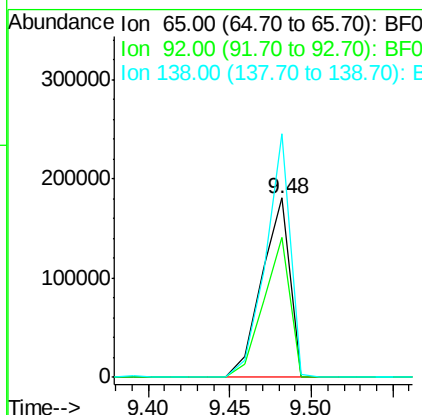
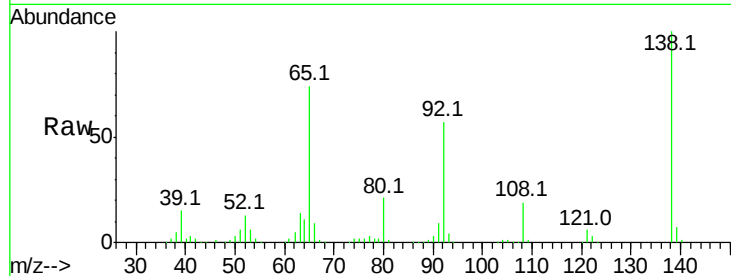




#47
 2-Nitroaniline
 Concen: 54.13 ng
 RT: 9.48 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

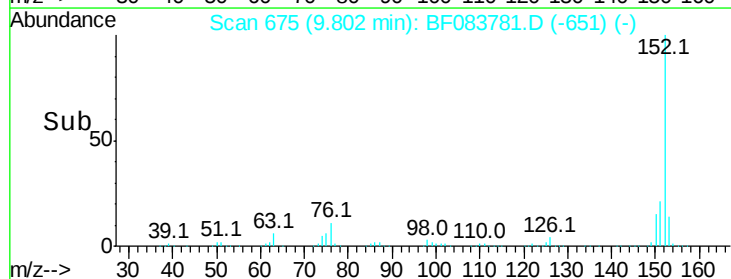
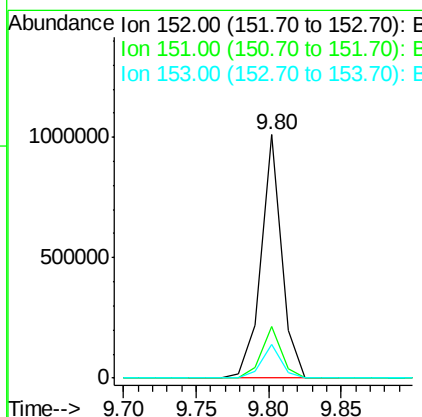
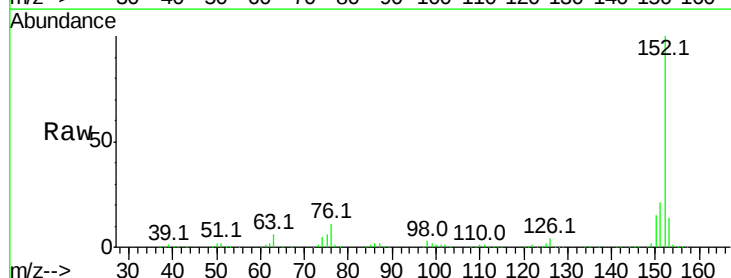
Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

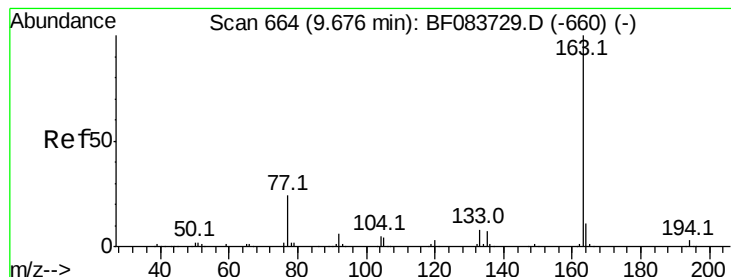
Tot Ion: 65 Resp: 216111
 Ion Ratio Lower Upper
 65 100
 92 78.2 49.6 74.4#
 138 136.0 64.1 96.1#



#48
 Acenaphthylene
 Concen: 42.03 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Tgt Ion:152 Resp: 995524
 Ion Ratio Lower Upper
 152 100
 151 21.0 16.3 24.5
 153 13.8 10.8 16.2





#49

Dimethylphthalate

Concen: 44.05 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

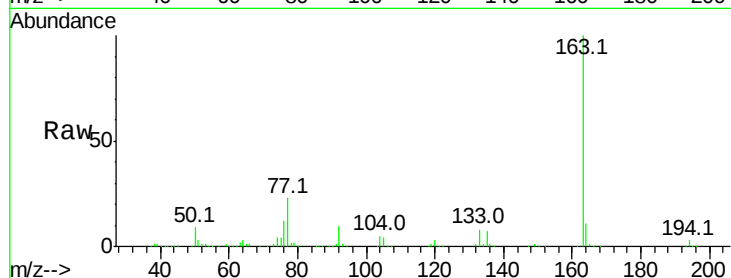
Tot Ion:163 Resp: 738932

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

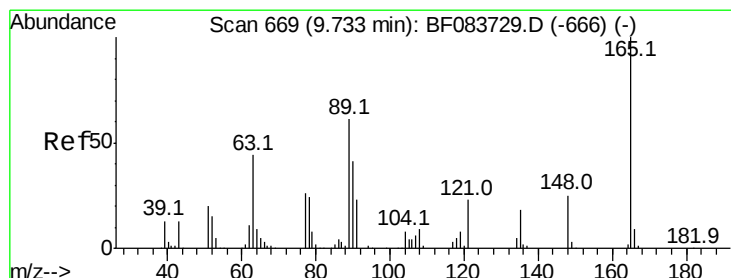
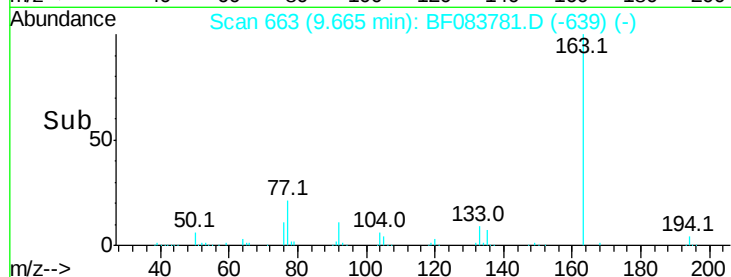
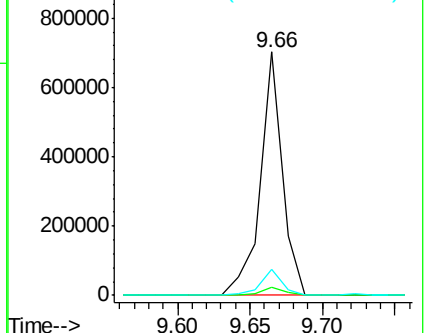
164 10.6 8.6 13.0



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: 48.70 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

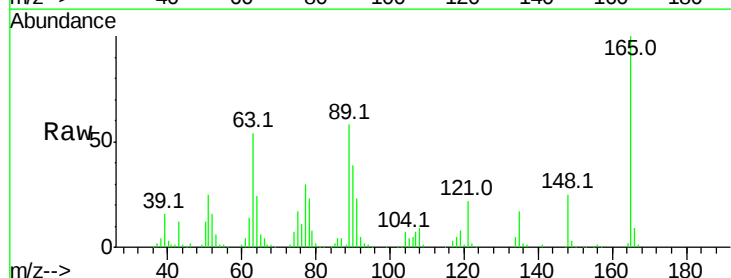
Tgt Ion:165 Resp: 173384

Ion Ratio Lower Upper

165 100

63 54.4 56.9 85.3#

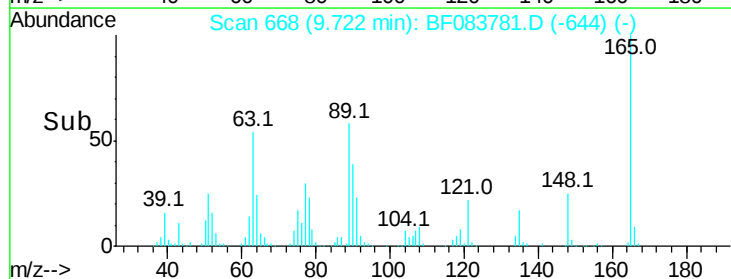
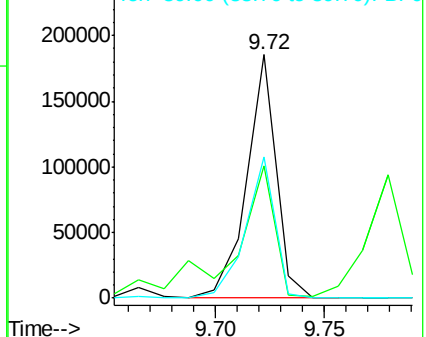
89 58.2 52.1 78.1

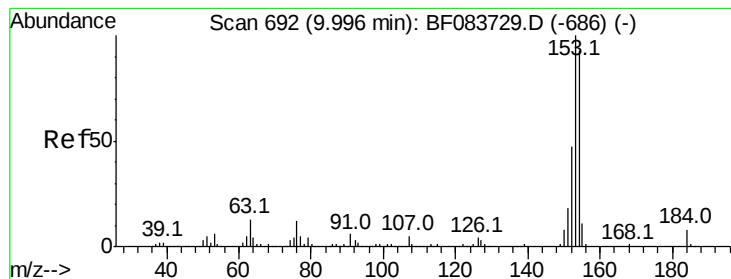


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 49.86 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

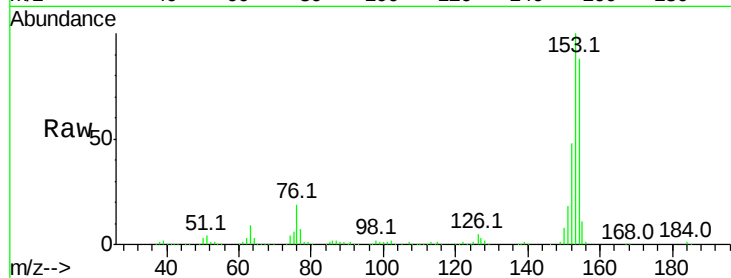
Tot Ion:154 Resp: 713841

Ion Ratio Lower Upper

154 100

153 113.9 91.4 137.0

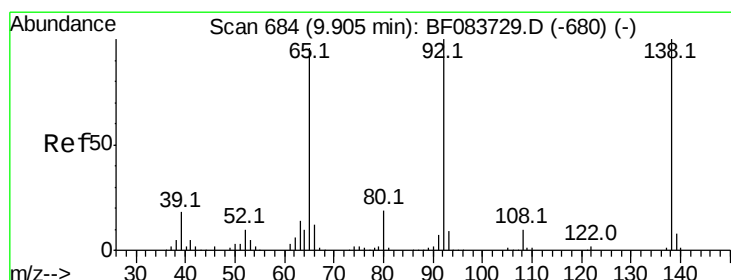
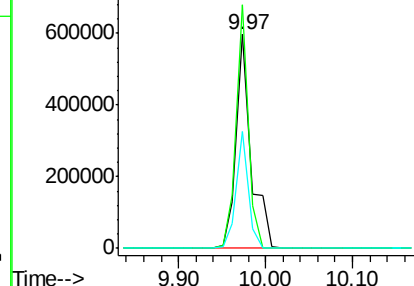
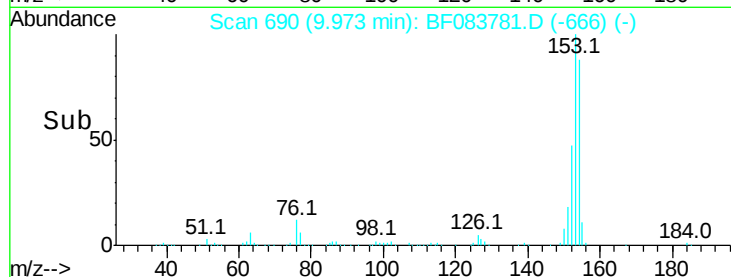
152 54.5 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 27.20 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

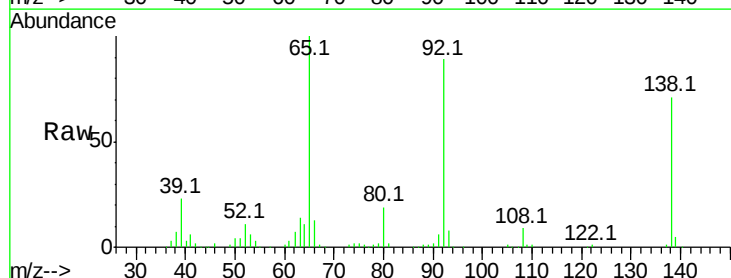
Tgt Ion:138 Resp: 111636

Ion Ratio Lower Upper

138 100

108 12.3 9.9 14.9

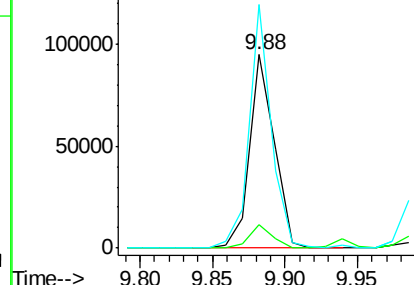
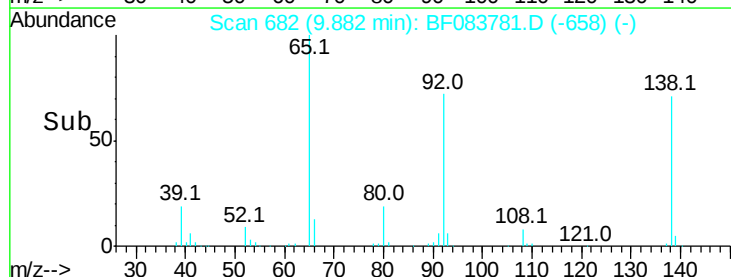
92 126.0 113.8 170.8

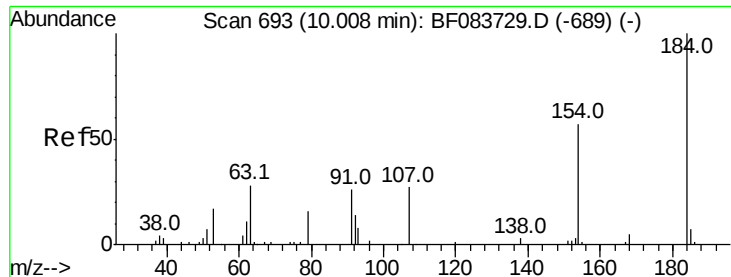


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

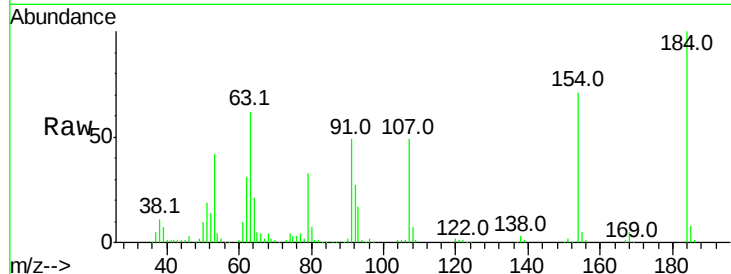




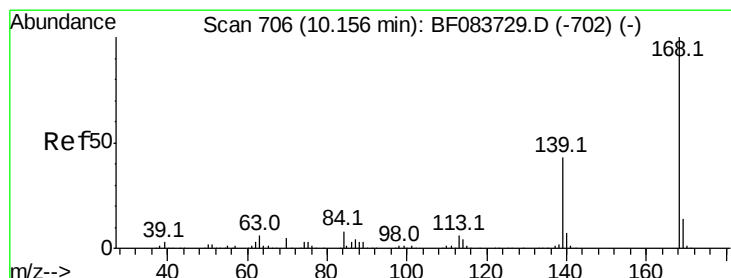
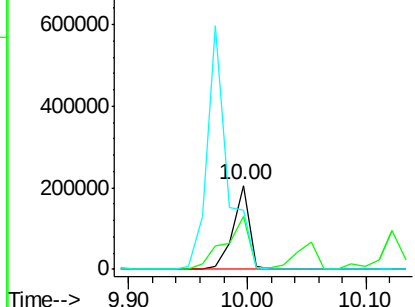
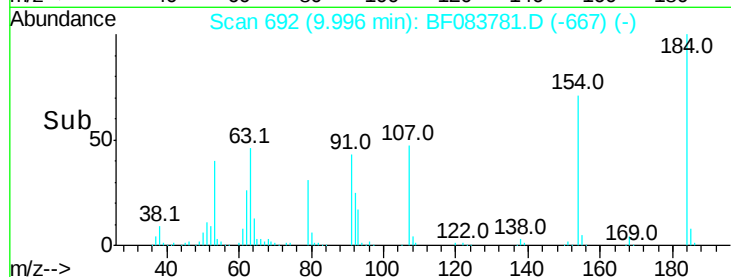
#53
2,4-Dinitrophenol
Concen: 94.29 ng
RT: 10.00 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMS

Tot Ion:184 Resp: 197250
Ion Ratio Lower Upper
184 100
63 62.3 62.4 93.6#
154 70.7 46.6 69.8#

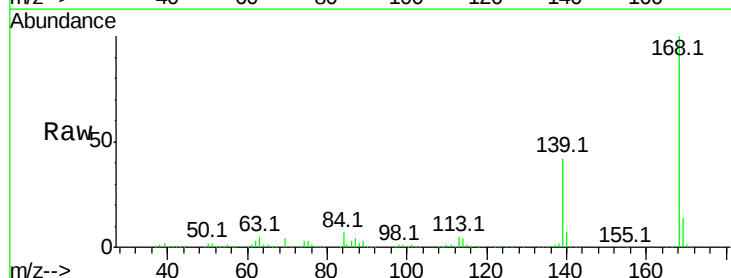


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

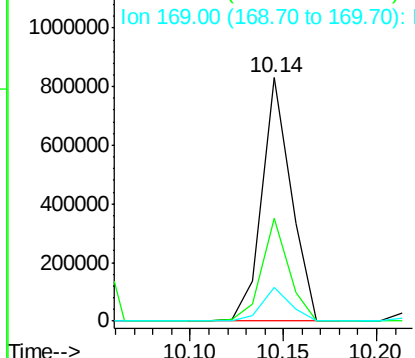
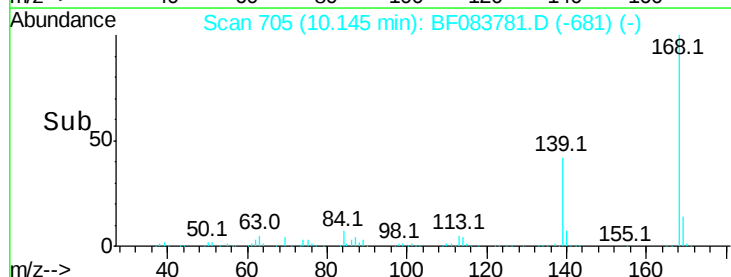


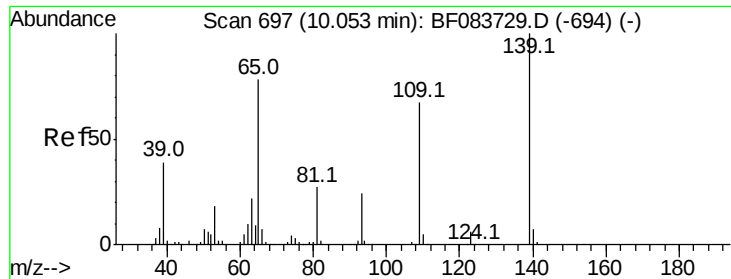
#54
Dibenzofuran
Concen: 47.23 ng
RT: 10.14 min Scan# 705
Delta R.T. -0.02 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

Tgt Ion:168 Resp: 896026
Ion Ratio Lower Upper
168 100
139 42.4 28.0 42.0#
169 14.0 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

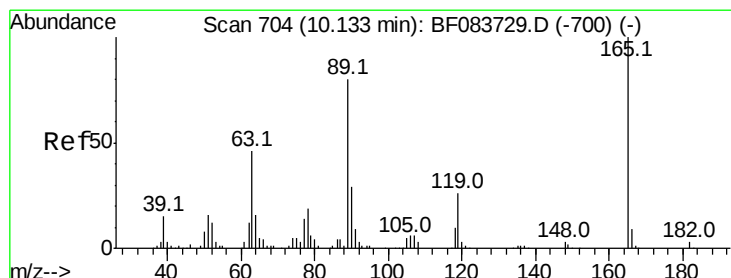
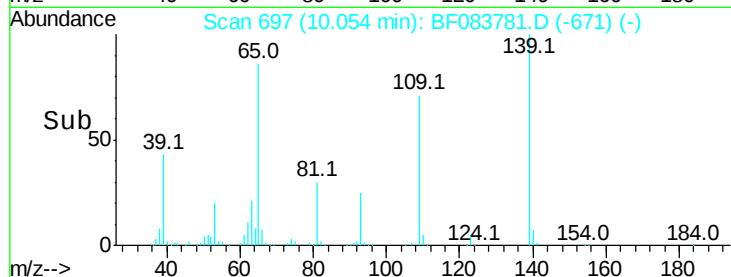
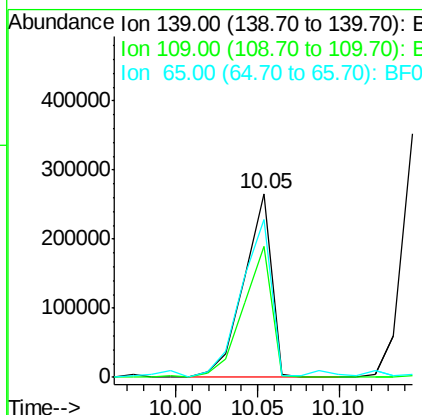
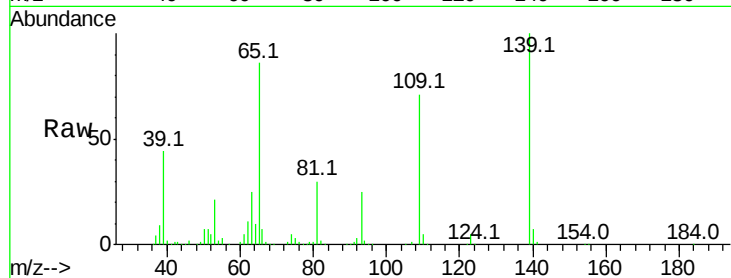




#55
4-Nitrophenol
Concen: 103.61 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

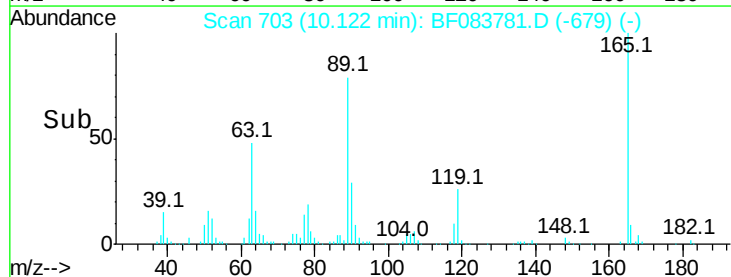
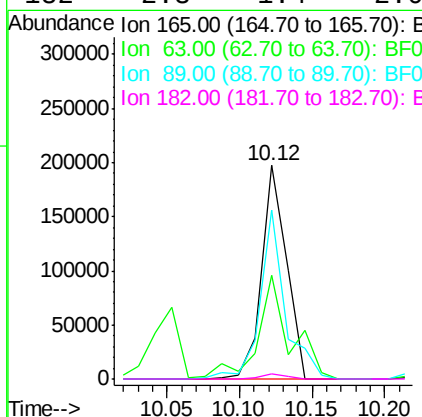
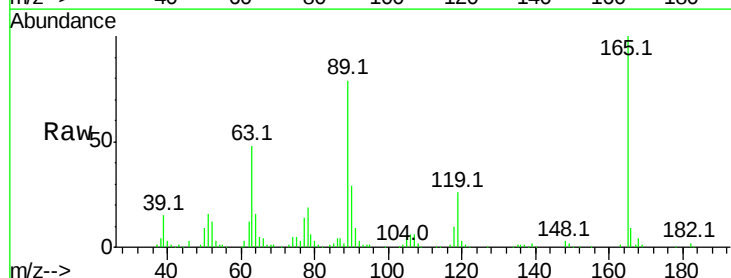
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMS

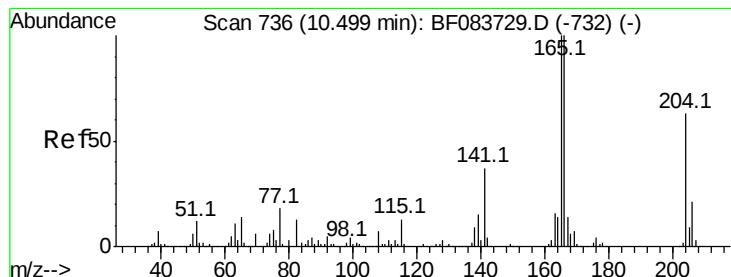
Tot Ion:139 Resp: 314900
Ion Ratio Lower Upper
139 100
109 71.1 42.0 82.0
65 86.2 89.2 129.2#



#56
2,4-Dinitrotoluene
Concen: 50.30 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.02 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

Tgt Ion:165 Resp: 233935
Ion Ratio Lower Upper
165 100
63 48.3 51.4 77.2#
89 79.4 72.6 108.8
182 2.3 1.4 2.0#





#57

Fluorene

Concen: 43.15 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

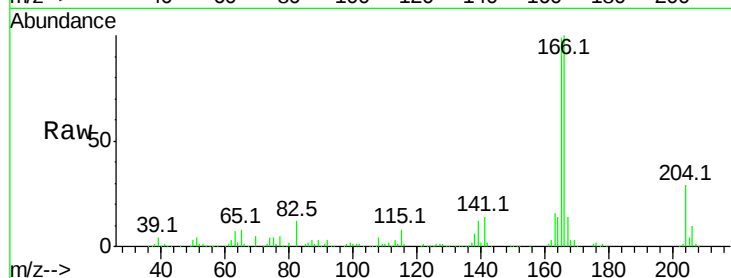
Tot Ion:166 Resp: 644576

Ion Ratio Lower Upper

166 100

165 98.8 80.0 120.0

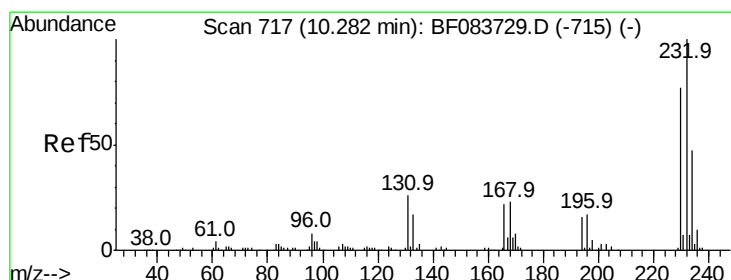
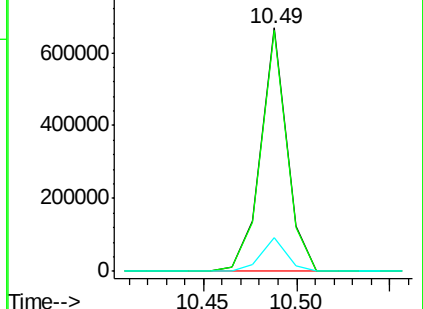
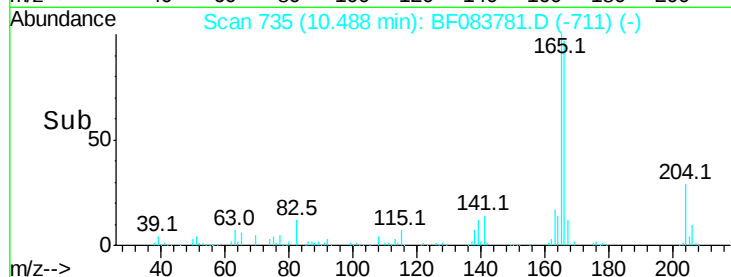
167 13.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 53.02 ng m

RT: 10.26 min Scan# 715

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Tgt Ion:232 Resp: 175270

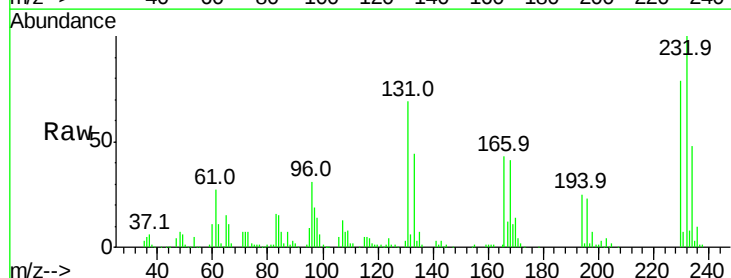
Ion Ratio Lower Upper

232 100

131 52.0 0.0 0.0#

130 2.6 0.0 0.0#

166 34.8 0.0 0.0#

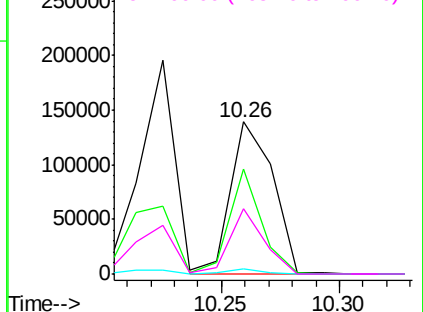
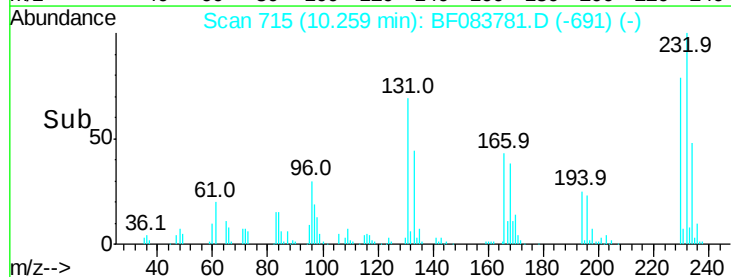


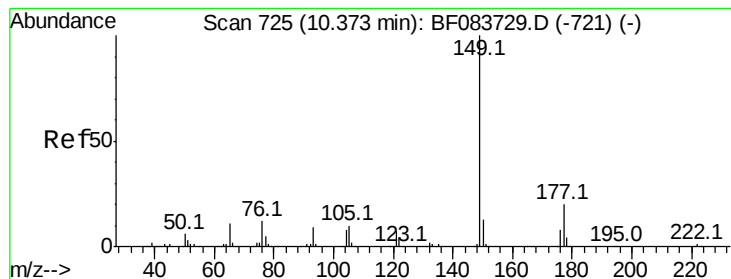
Abundance Ion 232.00 (231.70 to 232.70): E

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





#59

Diethylphthalate

Concen: 46.49 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

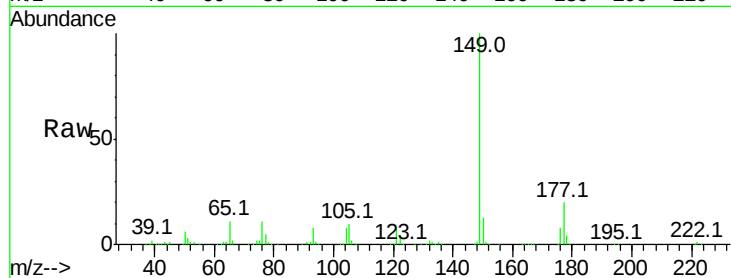
Tot Ion:149 Resp: 789514

Ion Ratio Lower Upper

149 100

177 19.7 16.9 25.3

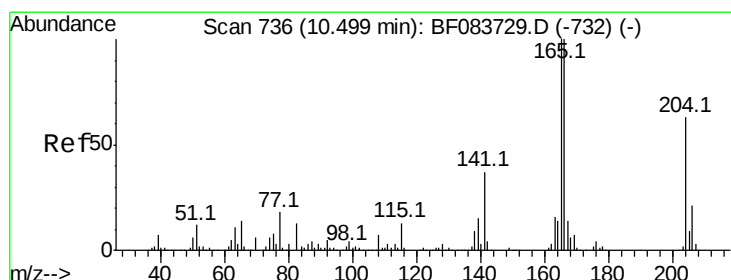
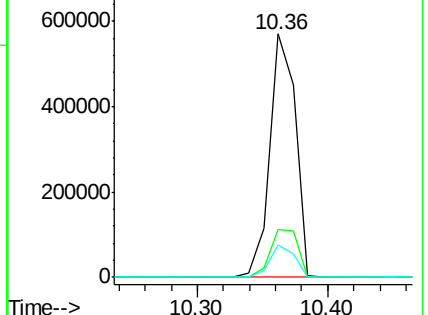
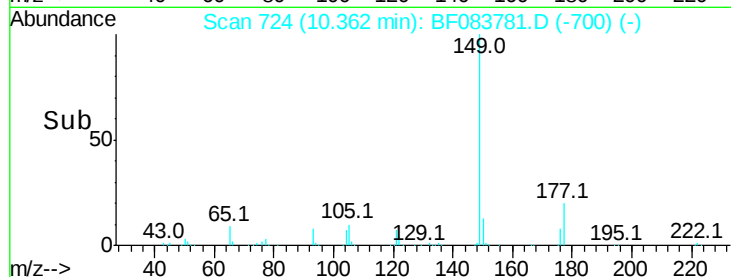
150 13.4 10.2 15.4



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: 43.87 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

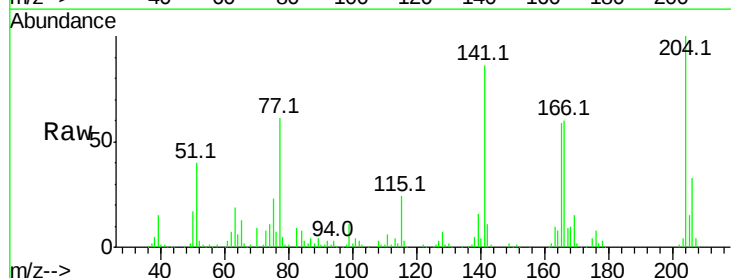
Tgt Ion:204 Resp: 298850

Ion Ratio Lower Upper

204 100

206 32.7 27.3 40.9

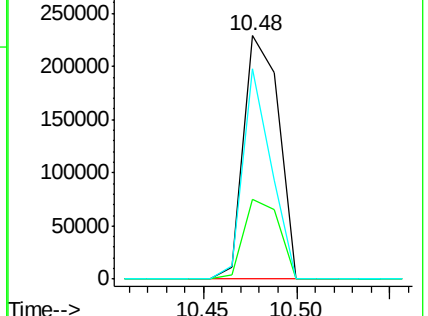
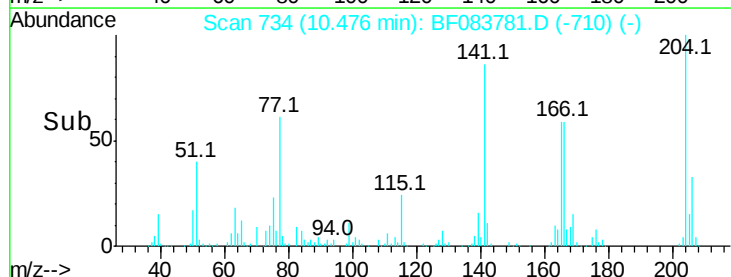
141 86.3 51.9 77.9#

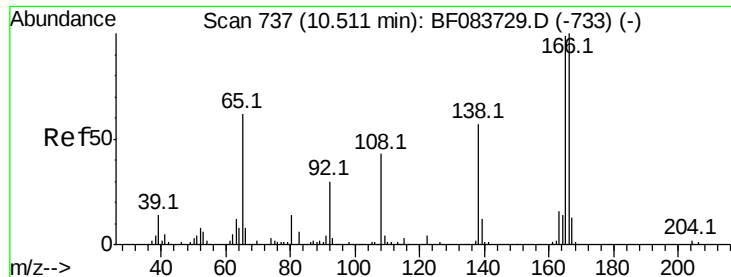


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 48.02 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

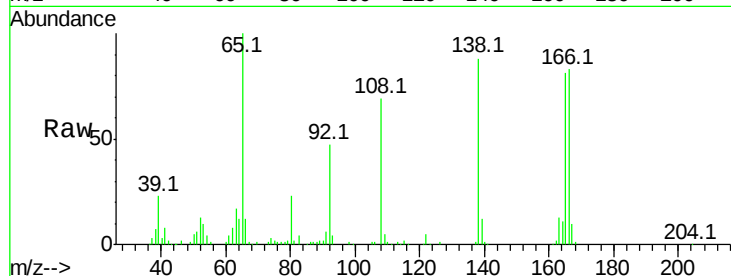
Tot Ion:138 Resp: 173729

Ion Ratio Lower Upper

138 100

92 53.8 29.0 69.0

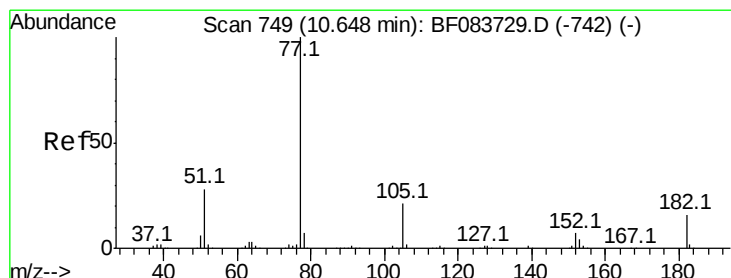
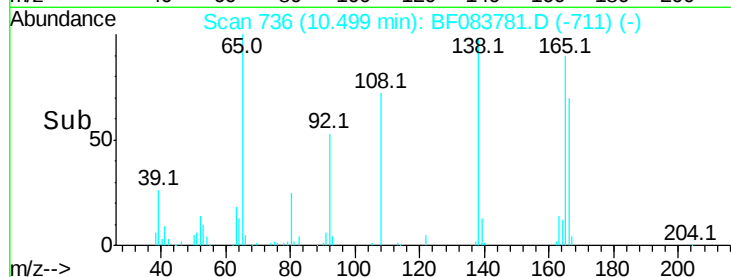
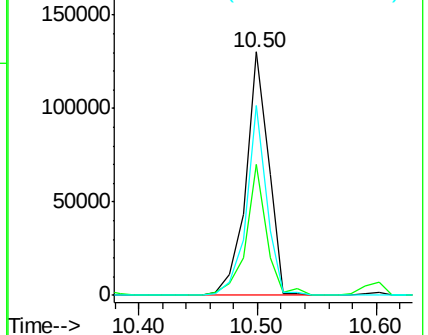
108 77.9 47.4 87.4



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: 49.60 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Tgt Ion: 77 Resp: 767927

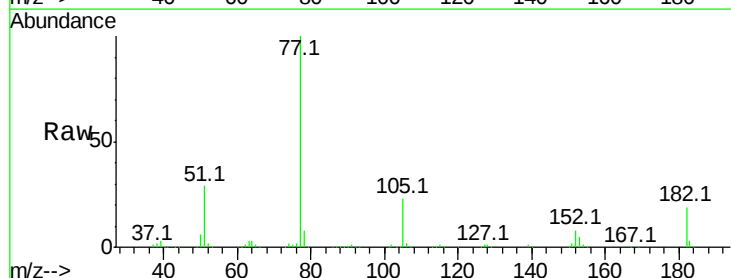
Ion Ratio Lower Upper

77 100

182 18.9 2.5 42.5

105 23.2 2.1 42.1

51 28.9 9.3 49.3

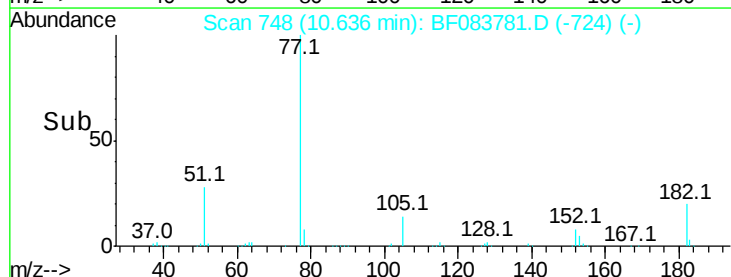
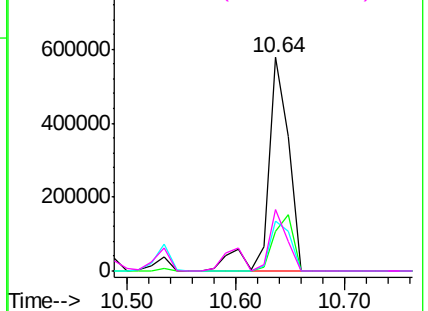


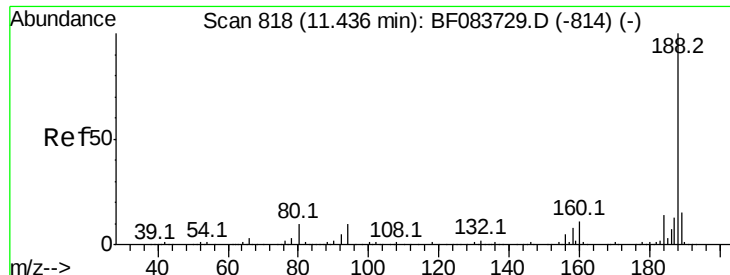
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

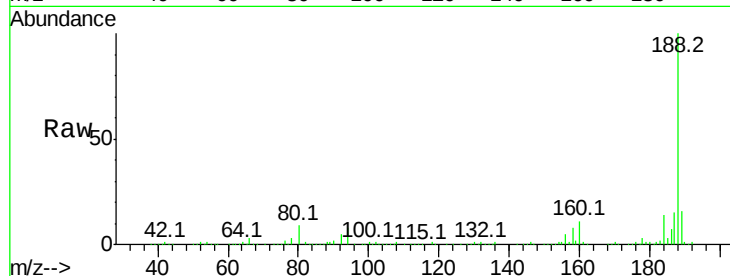




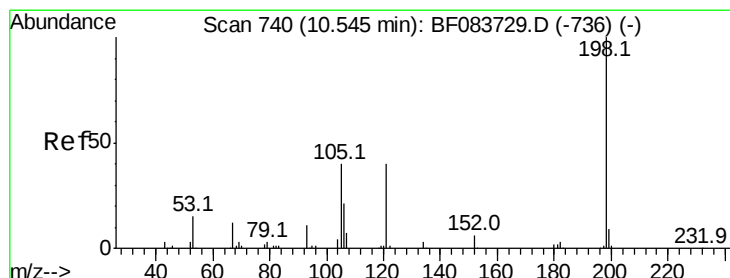
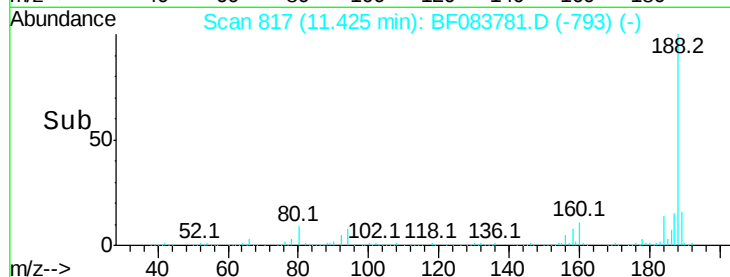
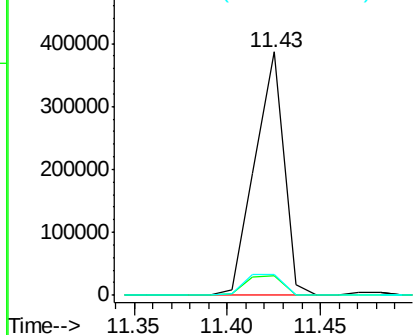
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 817
Delta R.T. -0.02 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMS

Tot Ion:188 Resp: 415928
Ion Ratio Lower Upper
188 100
94 7.9 9.4 14.2#
80 8.6 10.6 16.0#

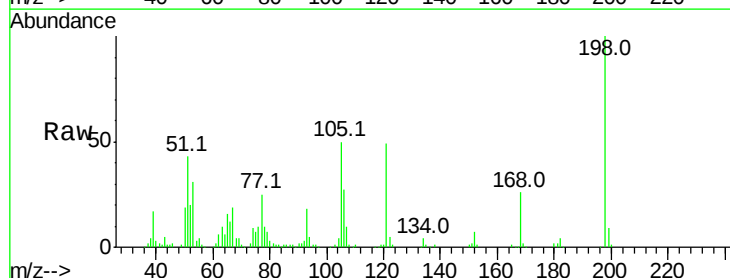


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

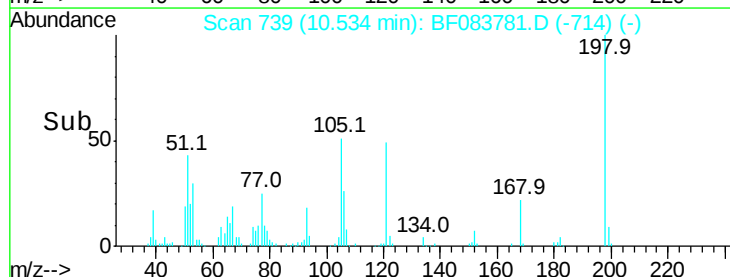
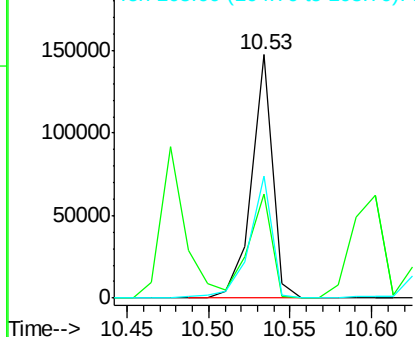


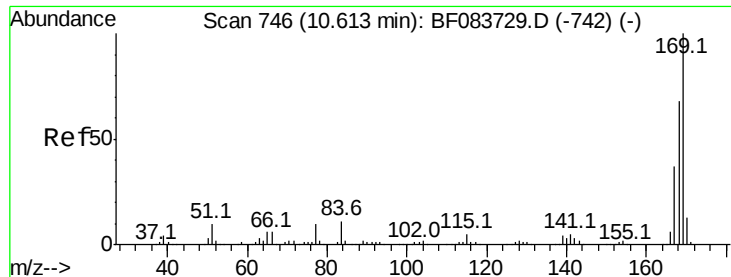
#64
4,6-Dinitro-2-methylphenol
Concen: 55.66 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.01 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

Tgt Ion:198 Resp: 131721
Ion Ratio Lower Upper
198 100
51 42.9 53.8 93.8#
105 50.3 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

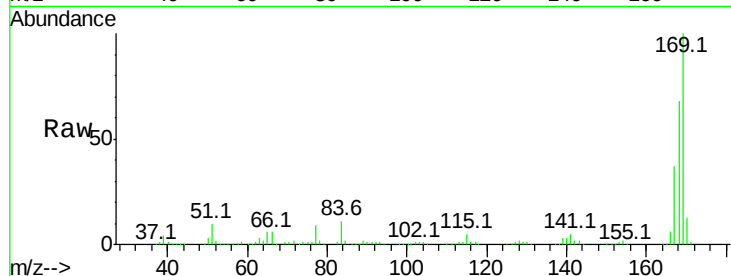




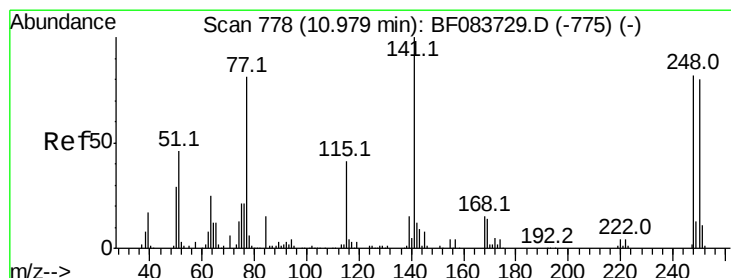
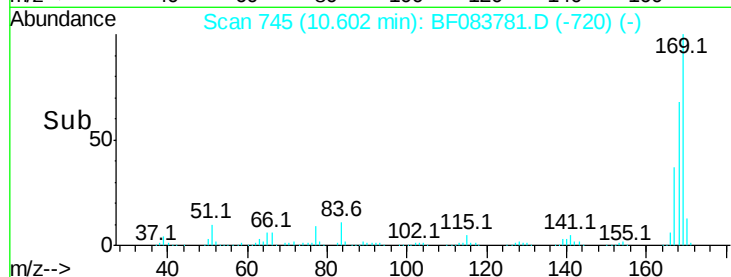
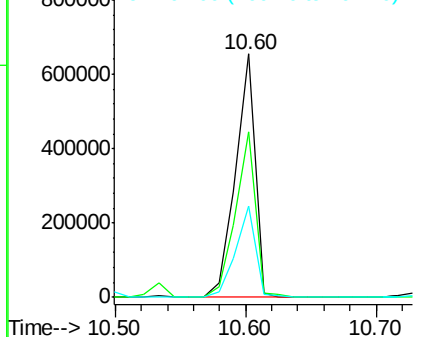
#65
 n-Nitrosodiphenylamine
 Concen: 47.97 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

Tot Ion:169 Resp: 682337
 Ion Ratio Lower Upper
 169 100
 168 67.9 53.0 79.6
 167 37.4 29.3 43.9

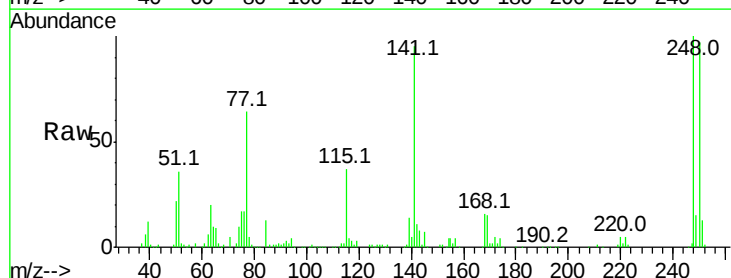


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

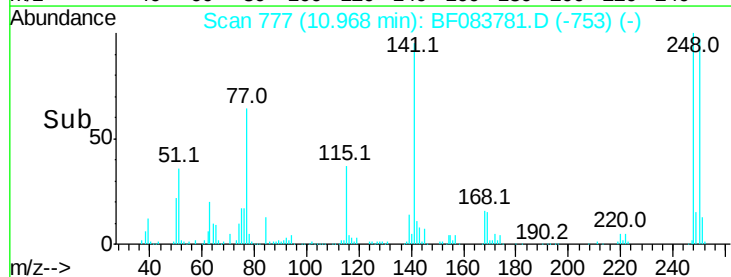
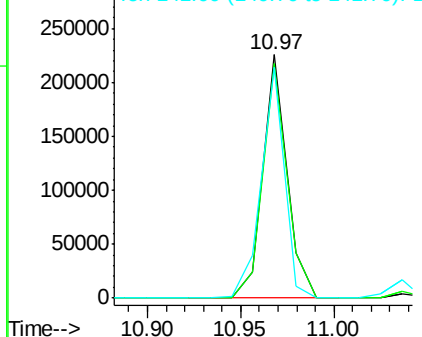


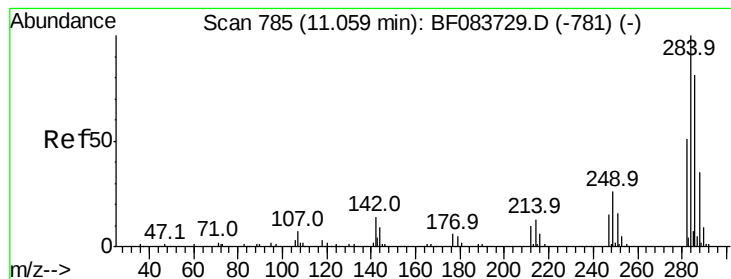
#66
 4-Bromophenyl-phenylether
 Concen: 43.27 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Tgt Ion:248 Resp: 201220
 Ion Ratio Lower Upper
 248 100
 250 96.5 79.2 118.8
 141 94.6 58.2 87.4#



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





#67

Hexachlorobenzene

Concen: 43.39 ng

RT: 11.04 min Scan# 783

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

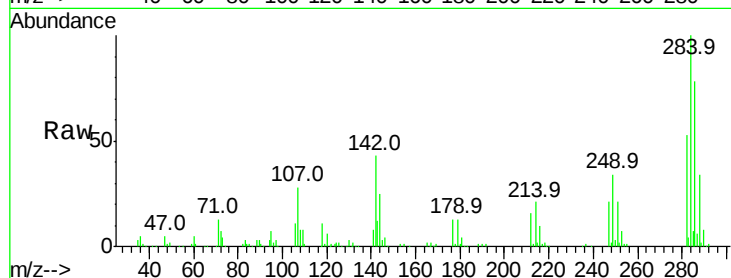
Tot Ion:284 Resp: 218362

Ion Ratio Lower Upper

284 100

142 43.4 31.0 46.4

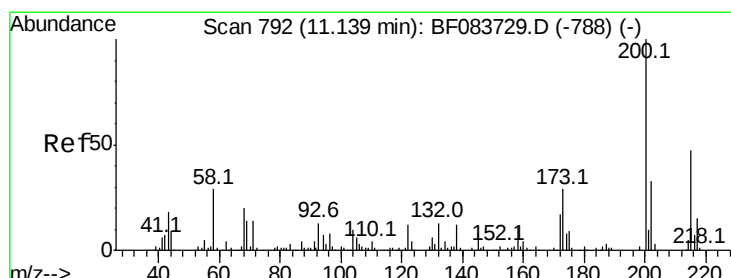
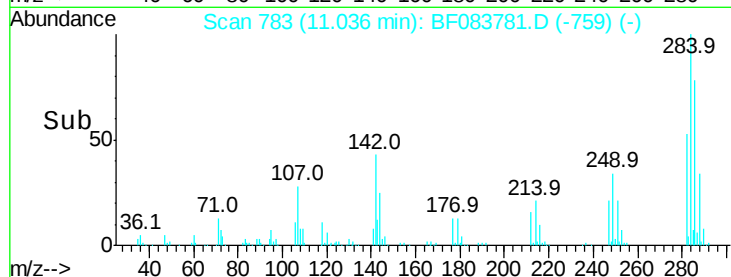
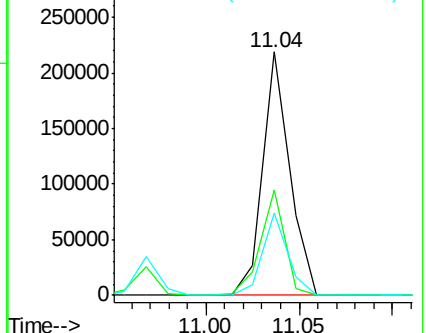
249 33.7 26.9 40.3



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 49.64 ng

RT: 11.13 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

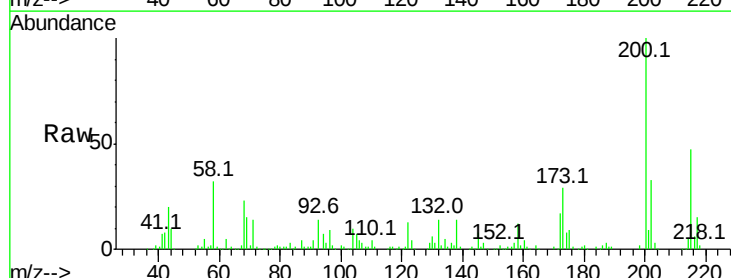
Tgt Ion:200 Resp: 200915

Ion Ratio Lower Upper

200 100

173 29.4 7.8 47.8

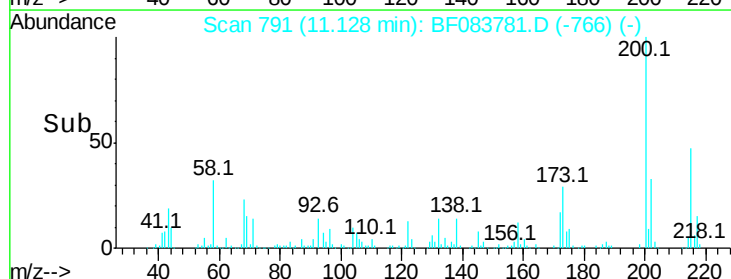
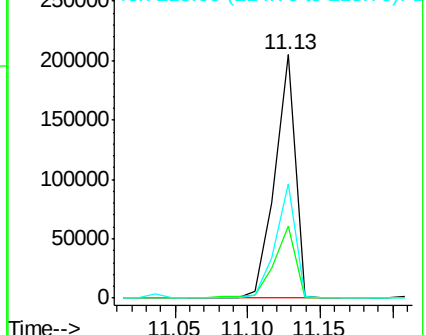
215 46.9 25.7 65.7

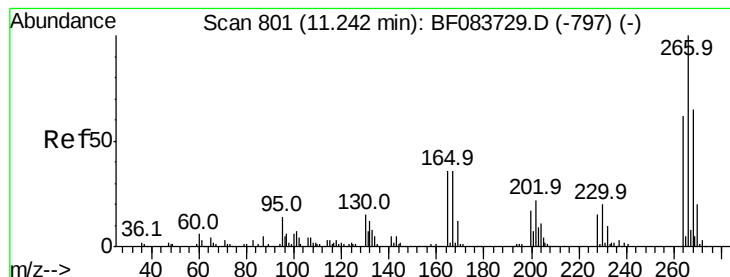


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 96.65 ng

RT: 11.23 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

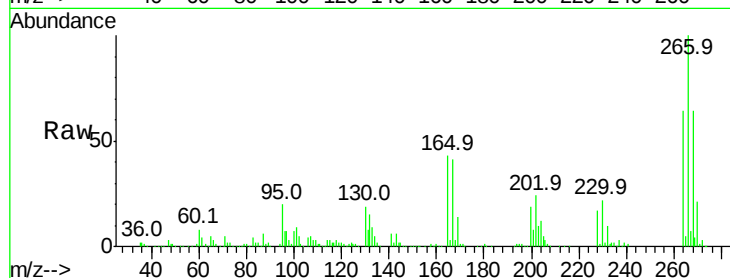
Tot Ion:266 Resp: 274317

Ion Ratio Lower Upper

266 100

268 64.0 50.2 75.2

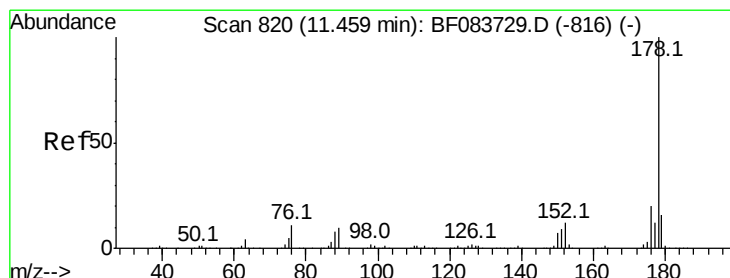
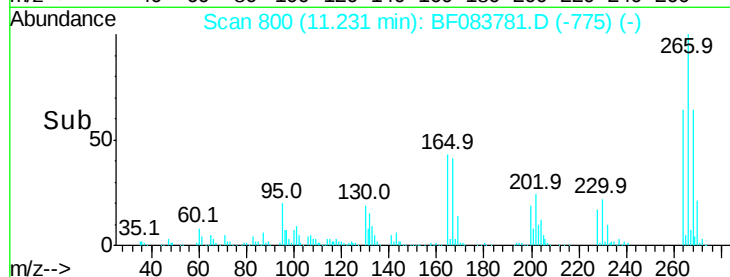
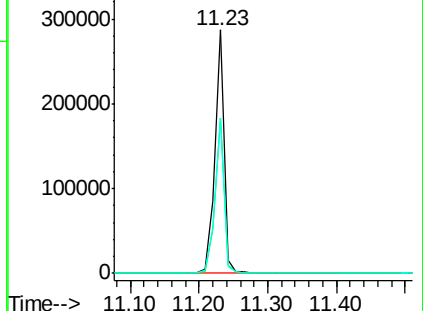
264 63.8 51.4 77.2



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: 46.38 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

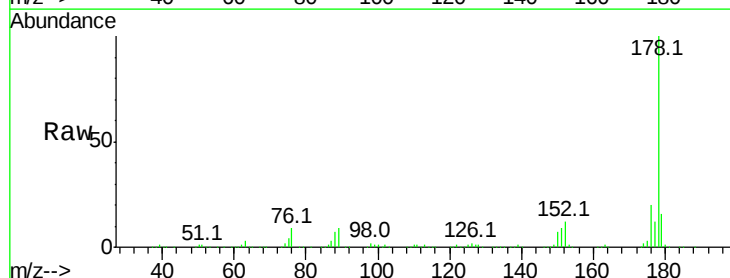
Tgt Ion:178 Resp: 1024743

Ion Ratio Lower Upper

178 100

176 20.4 15.7 23.5

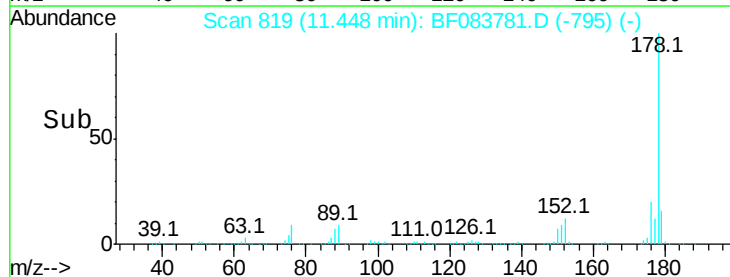
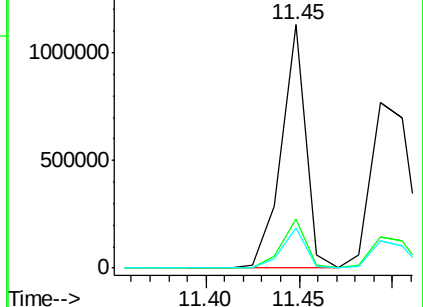
179 16.4 12.2 18.4

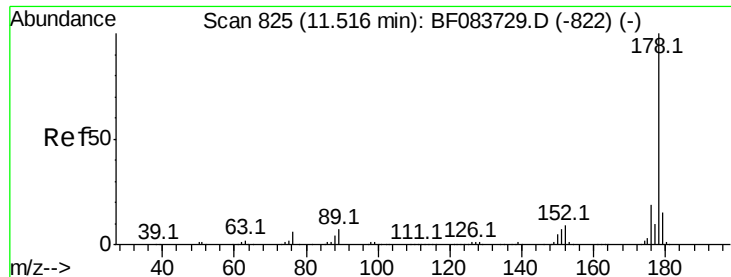


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

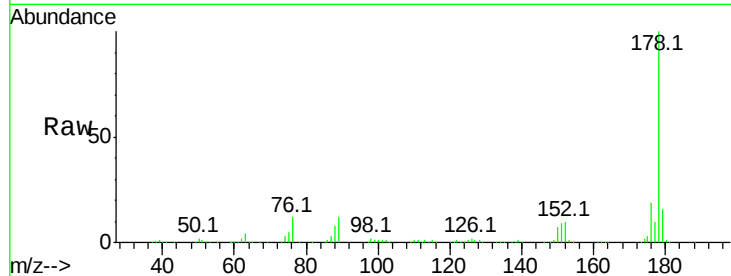




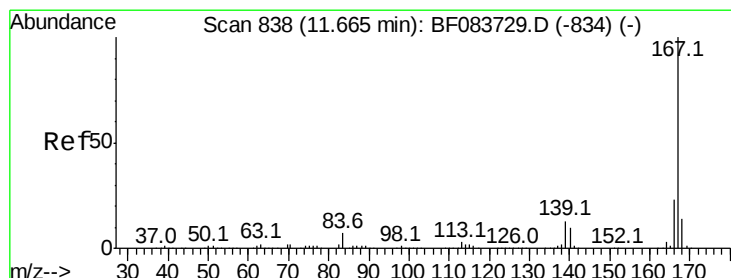
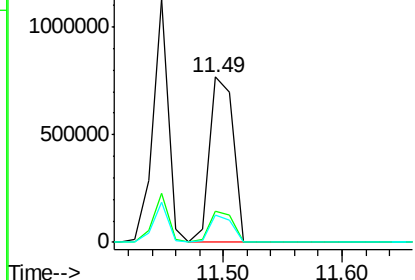
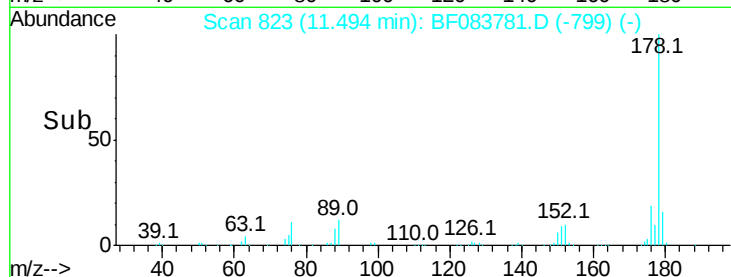
#71
 Anthracene
 Concen: 45.81 ng
 RT: 11.49 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

Tot Ion:178 Resp: 1051345
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.2 22.8
 179 16.2 12.6 18.8

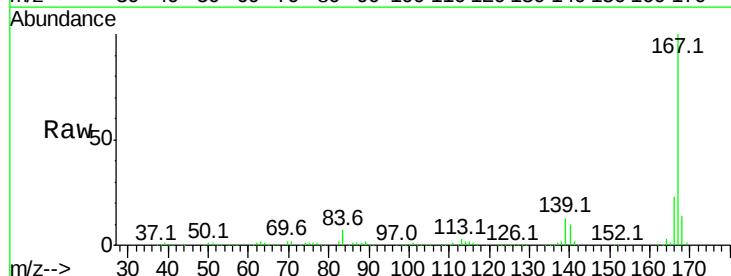


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

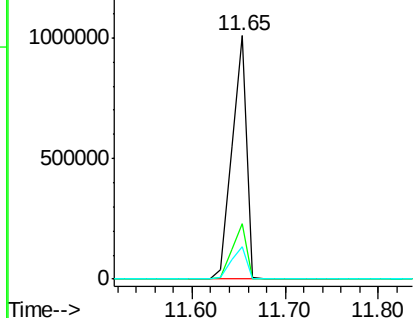
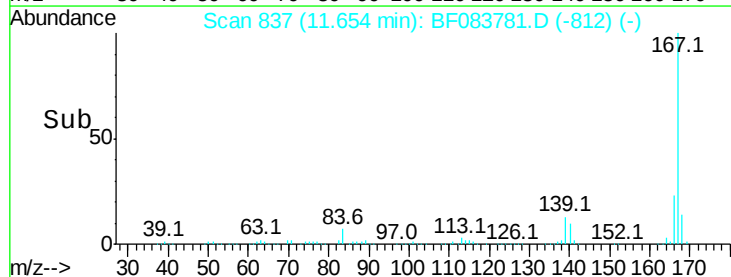


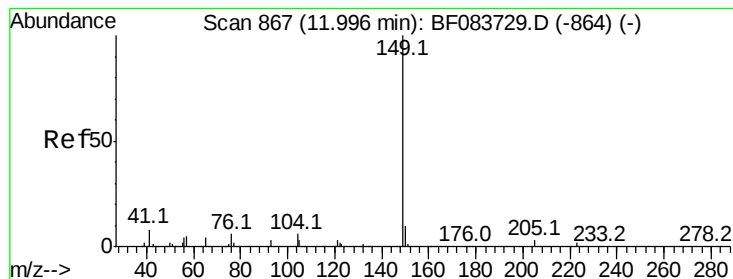
#72
 Carbazole
 Concen: 51.92 ng
 RT: 11.65 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Tgt Ion:167 Resp: 1110015
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.2 25.8
 139 13.4 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: 43.53 ng

RT: 11.99 min Scan# 866

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

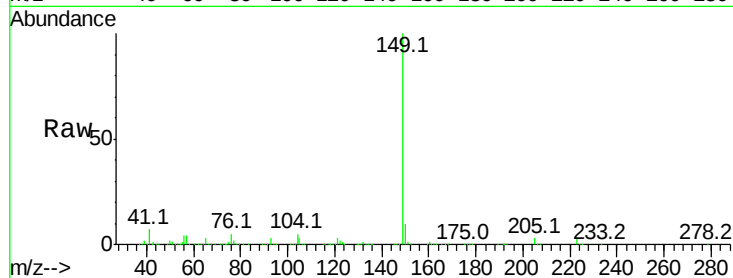
Tot Ion:149 Resp: 1130238

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.6

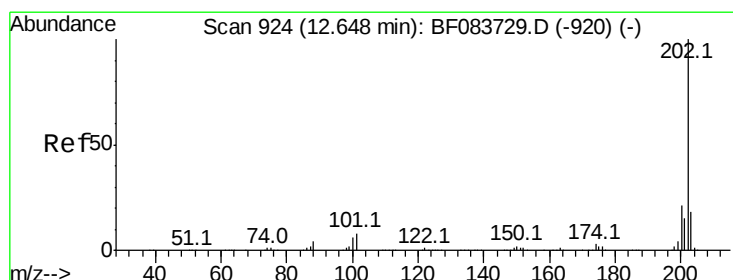
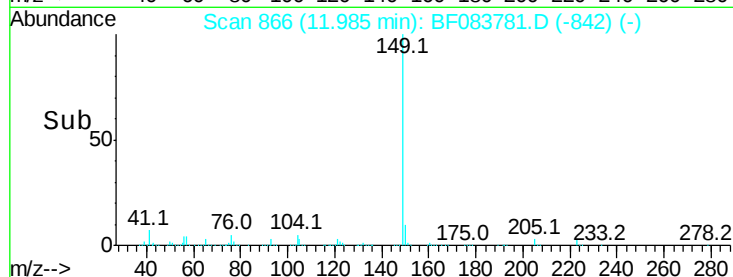
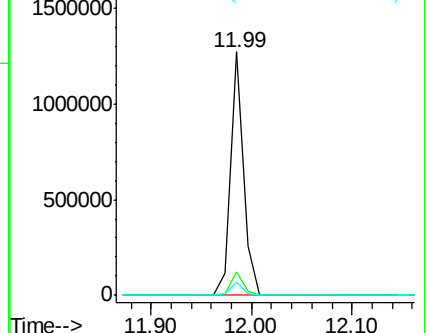
104 5.5 3.9 5.9



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: 50.44 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

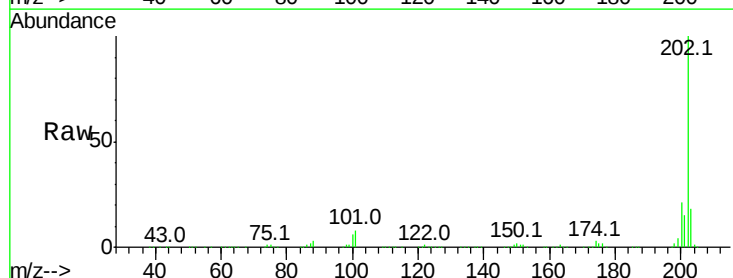
Tgt Ion:202 Resp: 1151599

Ion Ratio Lower Upper

202 100

101 7.5 0.0 31.5

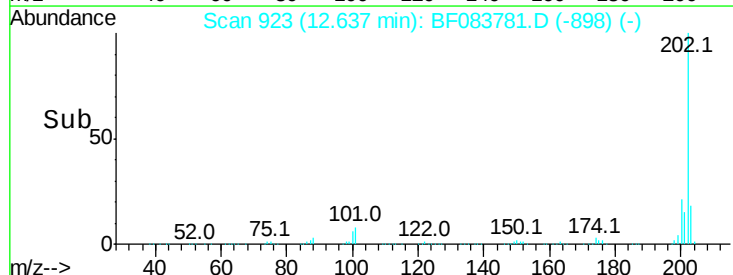
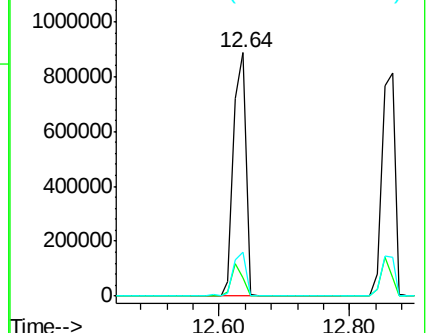
203 17.9 0.0 37.6

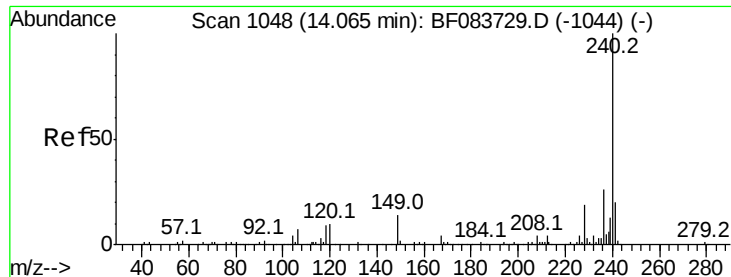


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

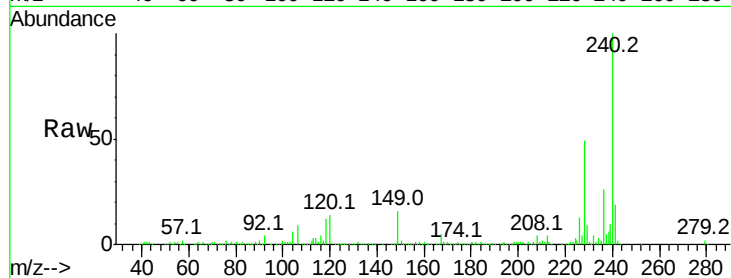
Tot Ion:240 Resp: 337926

Ion Ratio Lower Upper

240 100

120 13.6 8.1 12.1#

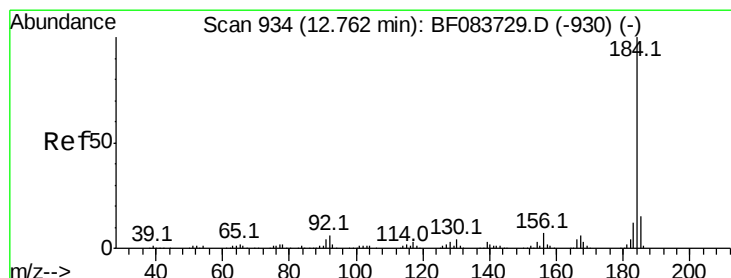
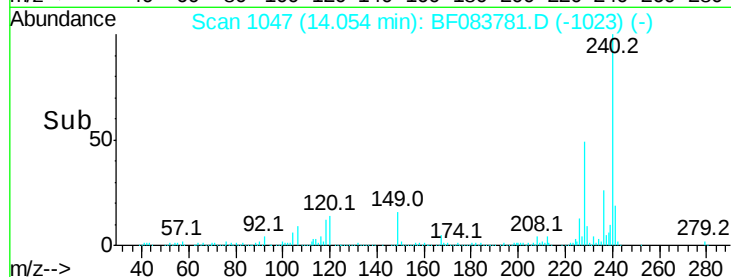
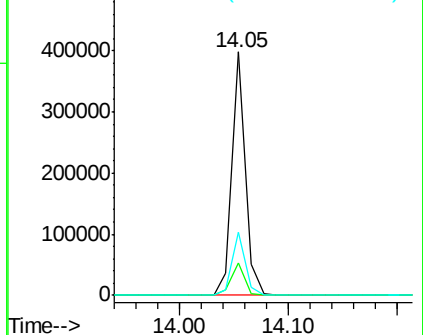
236 26.1 20.8 31.2



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: 9.75 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

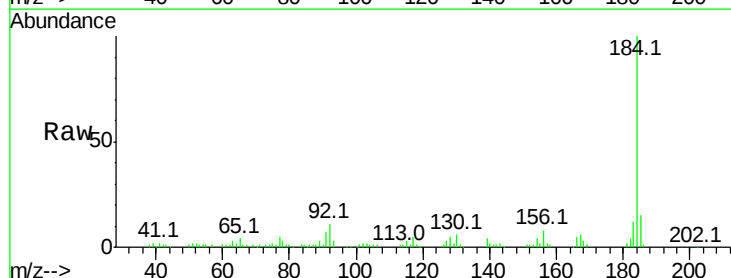
Tgt Ion:184 Resp: 100426

Ion Ratio Lower Upper

184 100

185 15.0 13.0 19.6

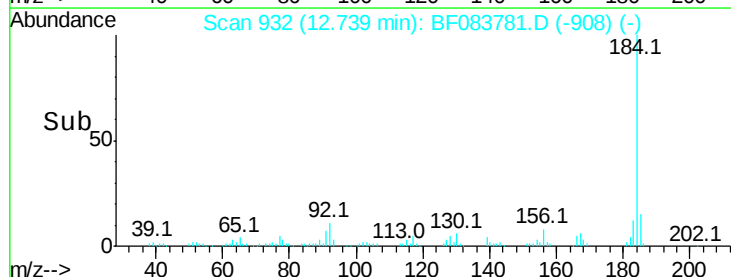
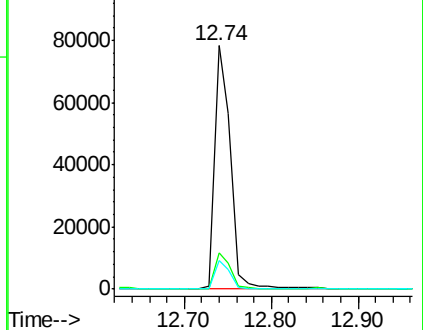
183 11.7 9.0 13.4

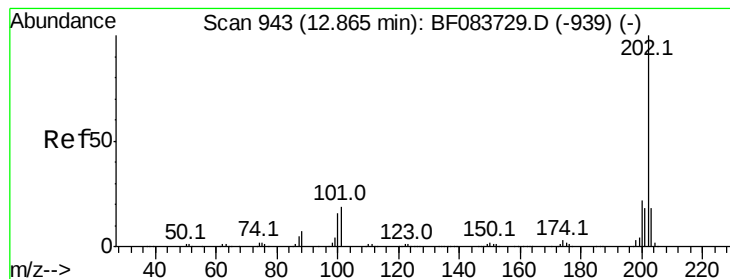


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 43.09 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

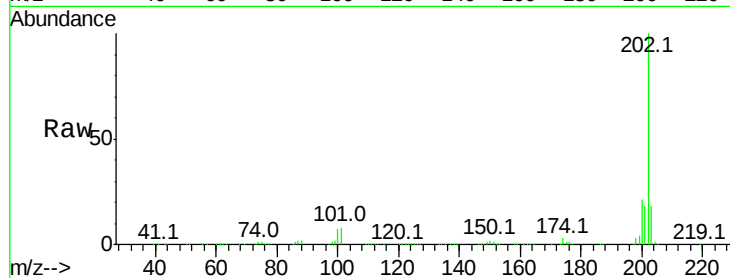
Tot Ion:202 Resp: 1150801

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

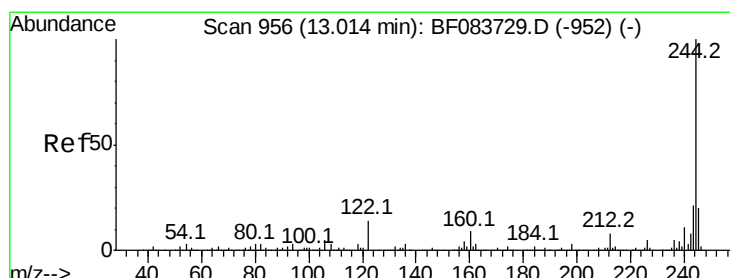
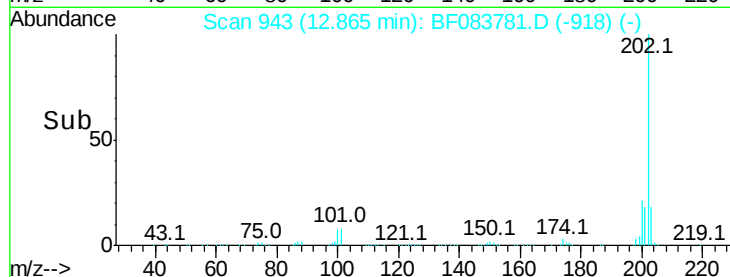
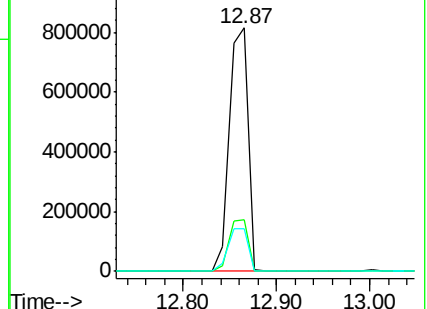
203 17.6 14.3 21.5



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: 76.51 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

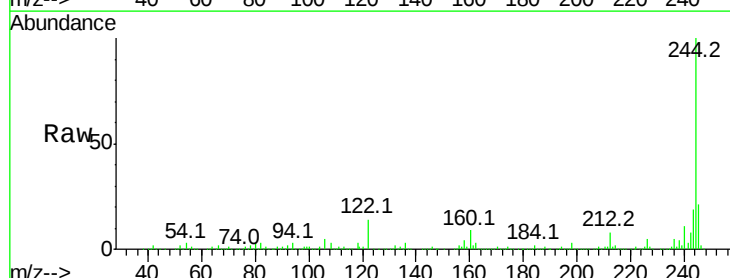
Tgt Ion:244 Resp: 1201941

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

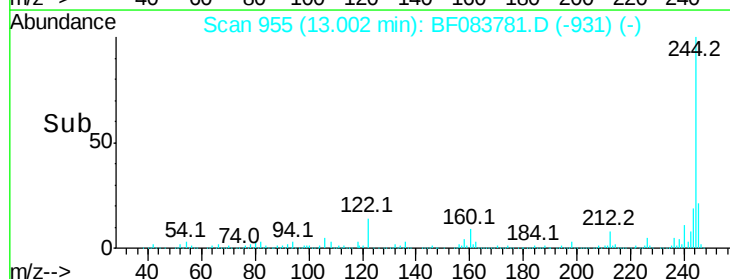
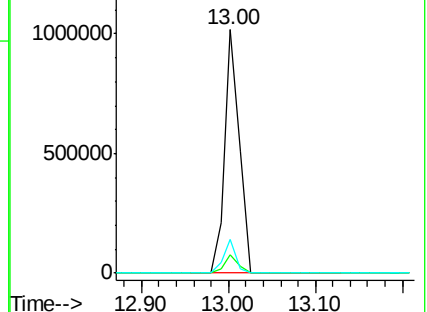
122 13.8 11.0 16.6

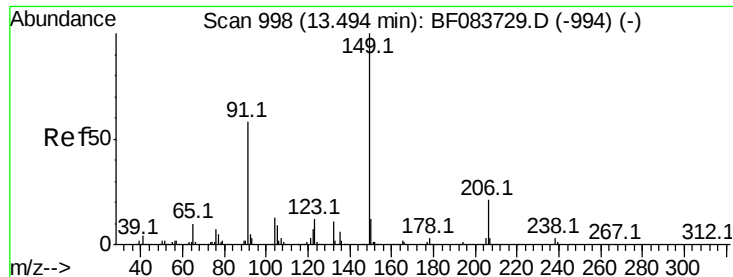


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

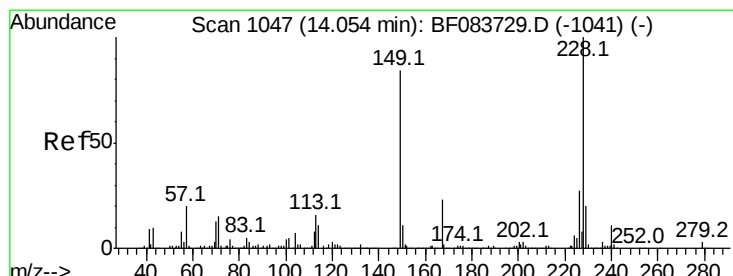
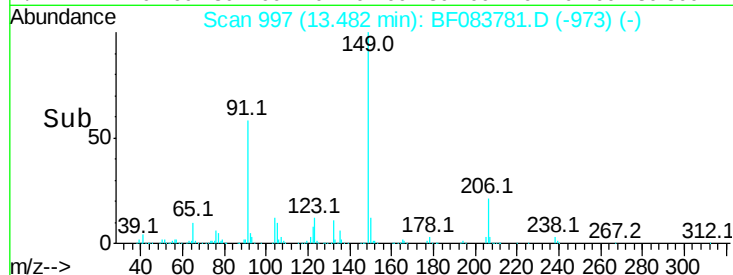
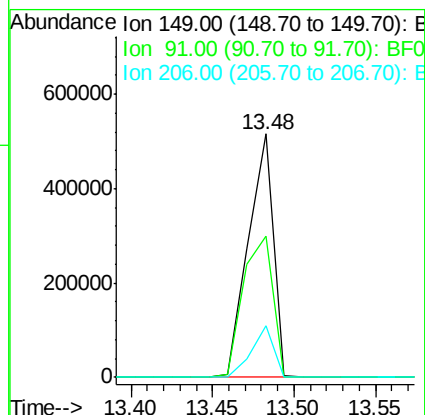
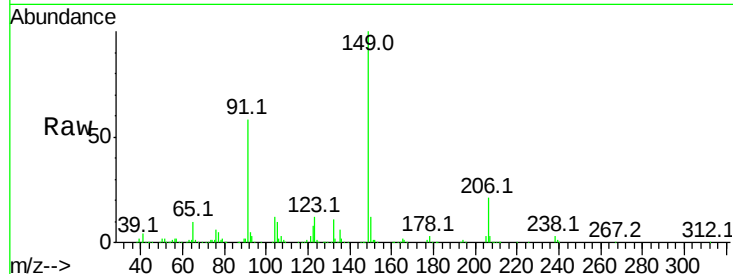




#79
Butylbenzylphthalate
Concen: 47.70 ng
RT: 13.48 min Scan# 997
Delta R.T. -0.02 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

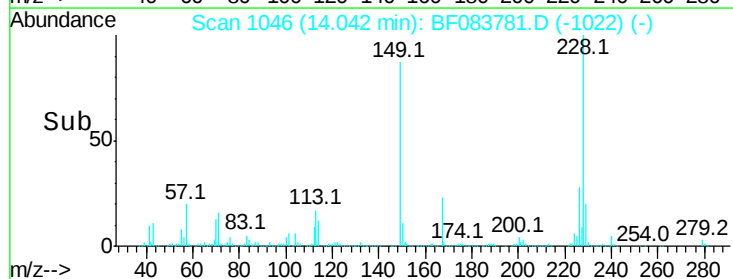
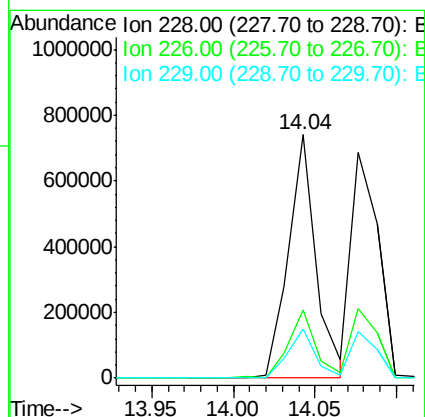
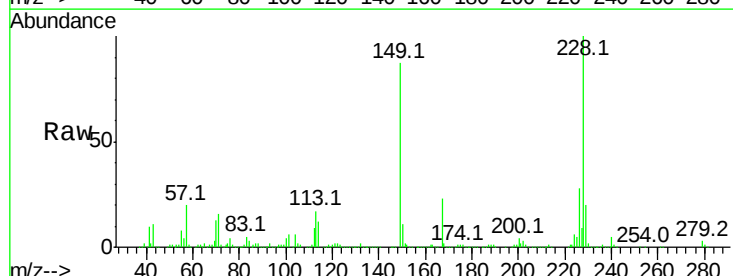
Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMS

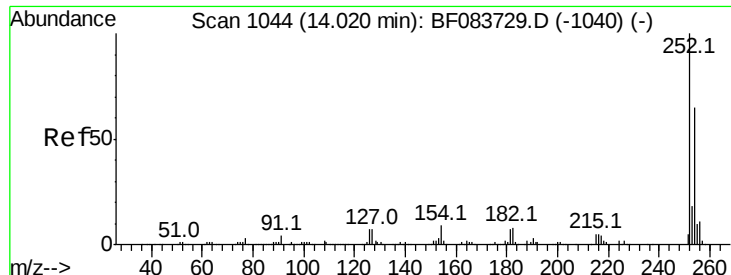
Tot Ion	Ratio	Lower	Upper
149	100		
91	58.3	60.0	90.0#
206	21.3	16.2	24.4



#80
Benzo(a)anthracene
Concen: 45.68 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.3	33.5
229	20.1	15.7	23.5

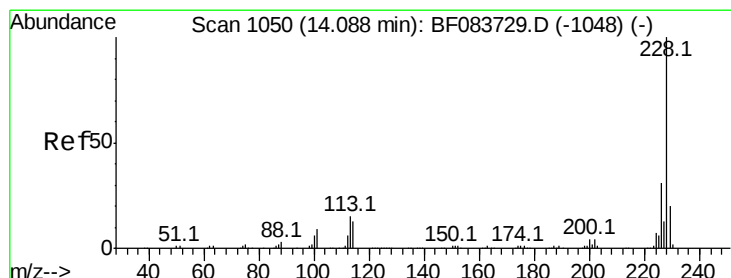
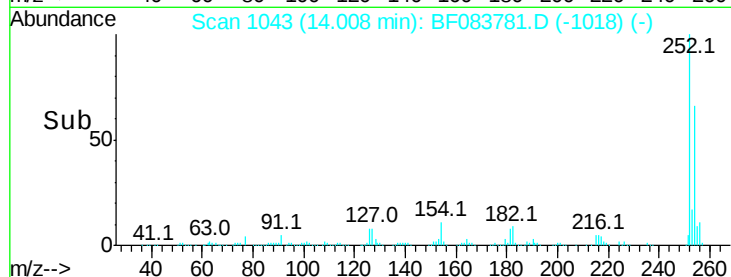
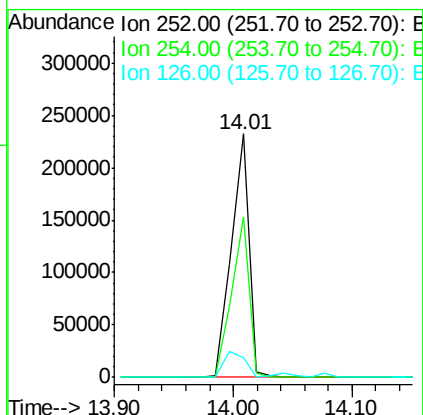
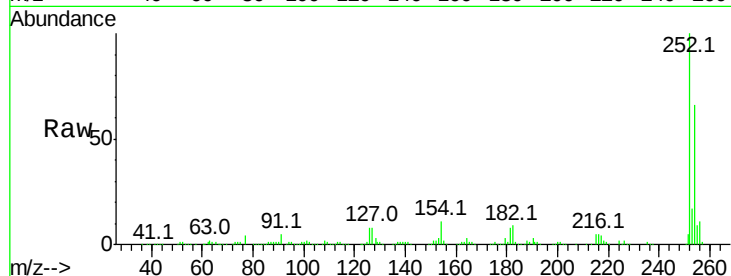




#81
 3,3'-Dichlorobenzidine
 Concen: 34.64 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

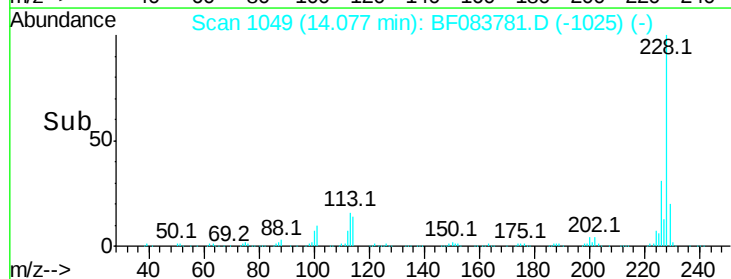
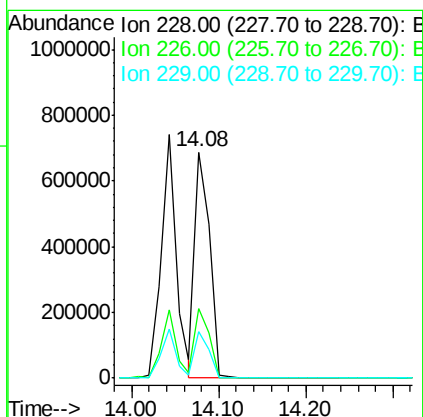
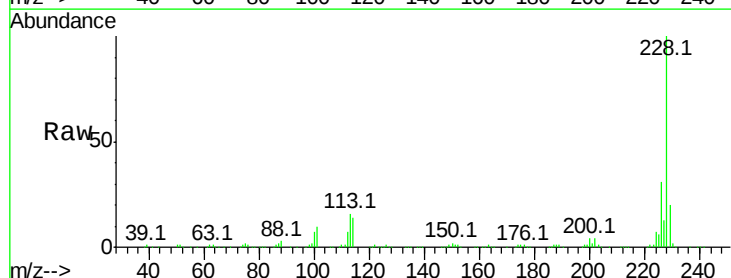
Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

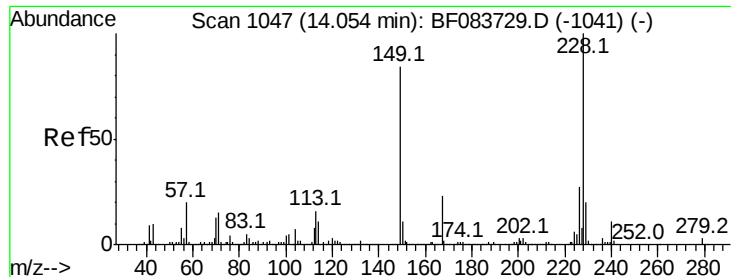
Tot Ion:252 Resp: 240088
 Ion Ratio Lower Upper
 252 100
 254 66.0 50.6 76.0
 126 8.1 11.0 16.4#



#82
 Chrysene
 Concen: 43.10 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Tgt Ion:228 Resp: 807800
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.7 37.1
 229 20.4 16.3 24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.79 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

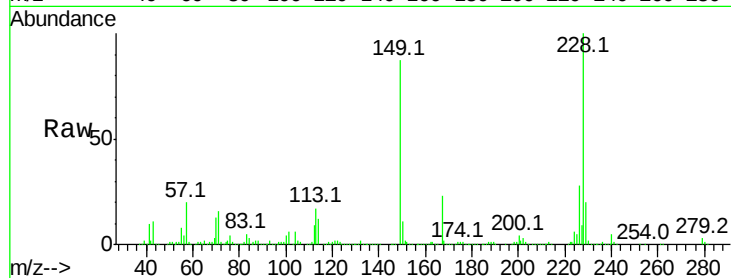
Tot Ion:149 Resp: 571378

Ion Ratio Lower Upper

149 100

167 26.9 21.8 32.8

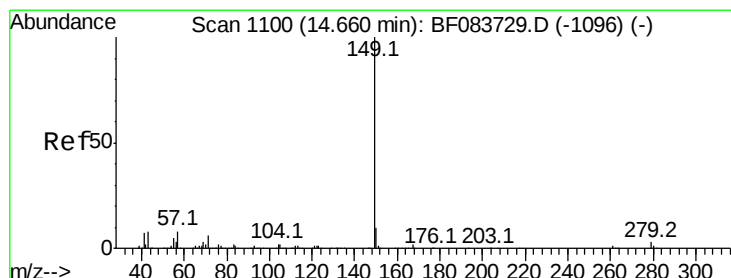
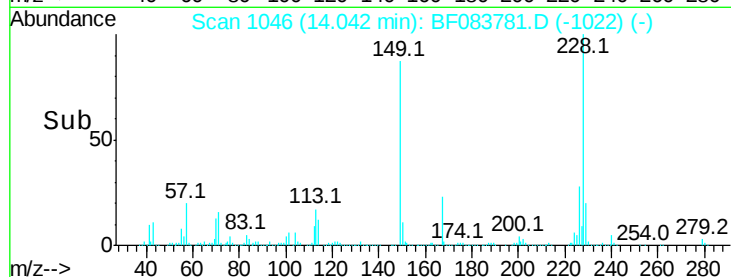
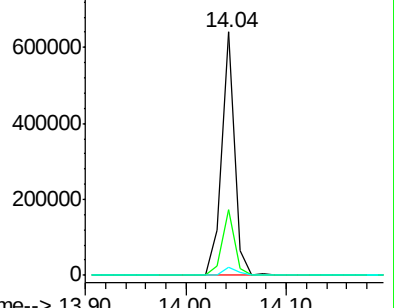
279 3.3 3.0 4.4



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: 48.21 ng

RT: 14.65 min Scan# 1099

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

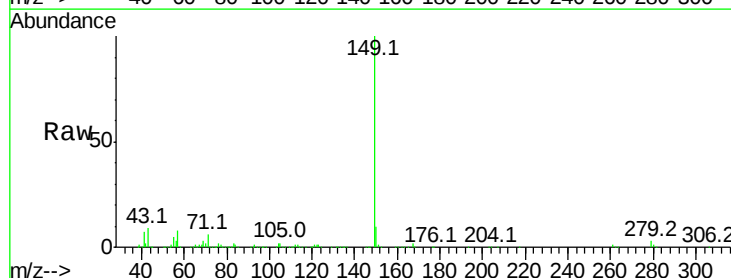
Tgt Ion:149 Resp: 999441

Ion Ratio Lower Upper

149 100

167 1.6 0.0 0.0#

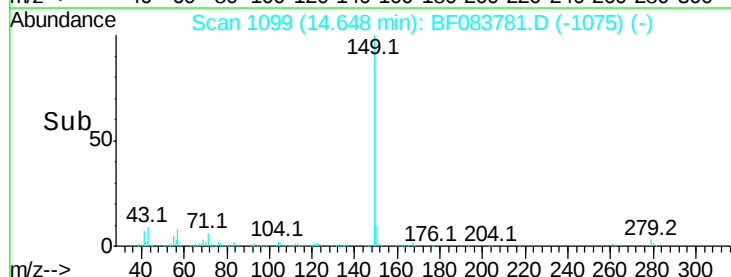
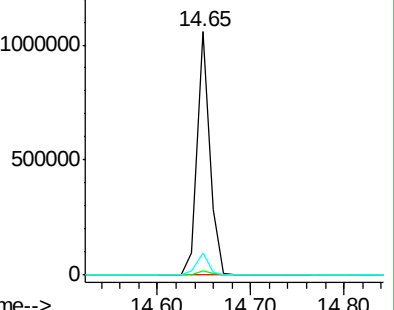
43 8.5 0.0 0.0#

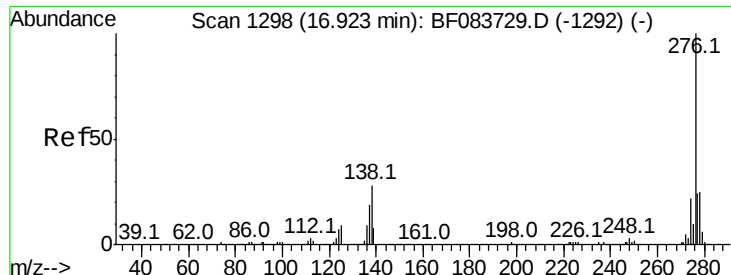


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

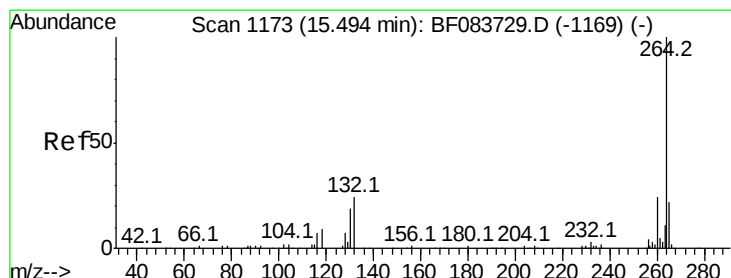
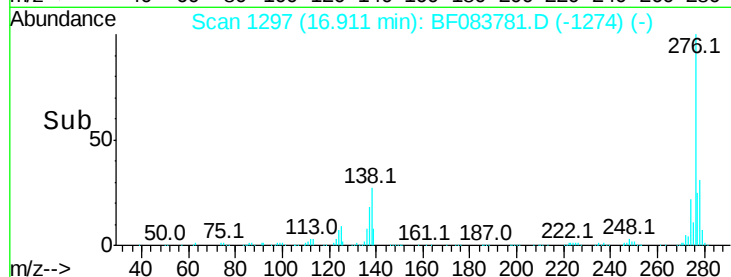
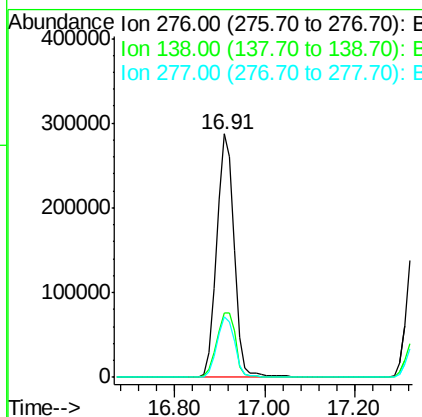
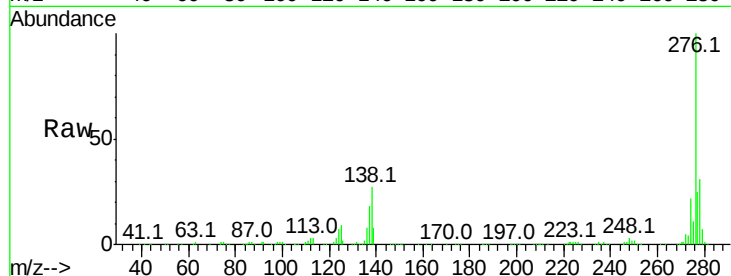




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 42.23 ng
 RT: 16.91 min Scan# 1297
 Delta R.T. -0.03 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

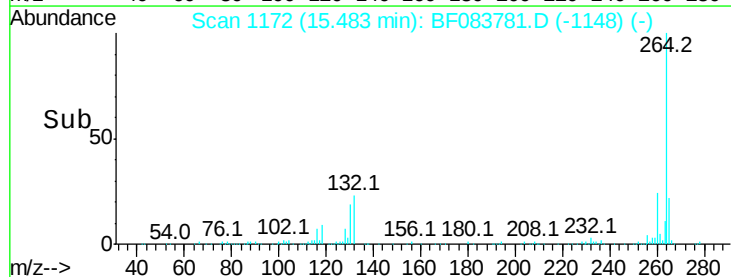
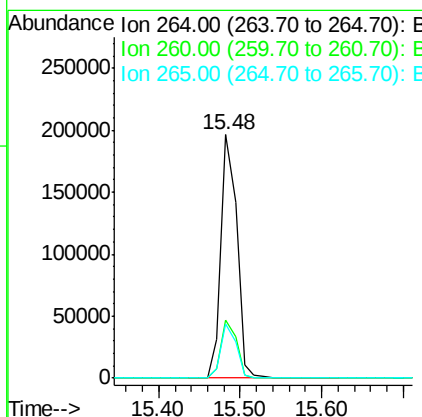
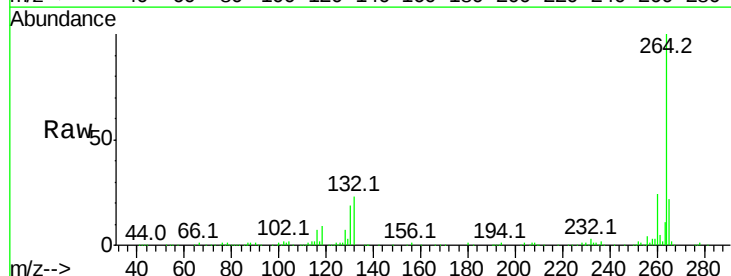
Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPHMS

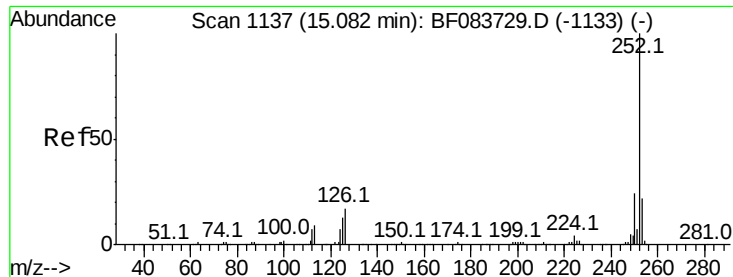
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.8	0.0	0.0#
277	25.3	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF083781.D
 Acq: 14 Dec 2015 20:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	22.1	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 56.68 ng m

RT: 15.07 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

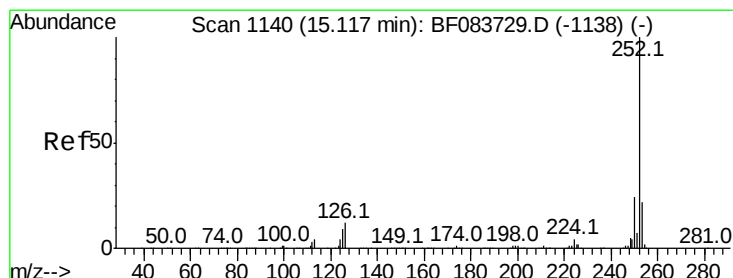
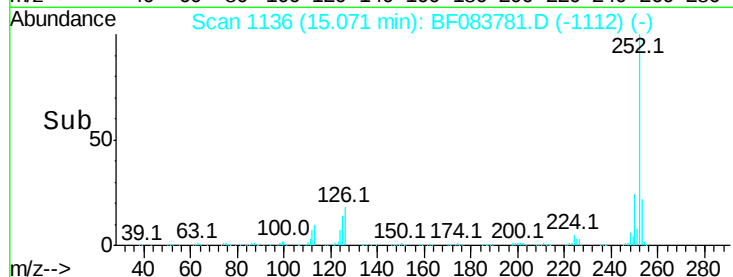
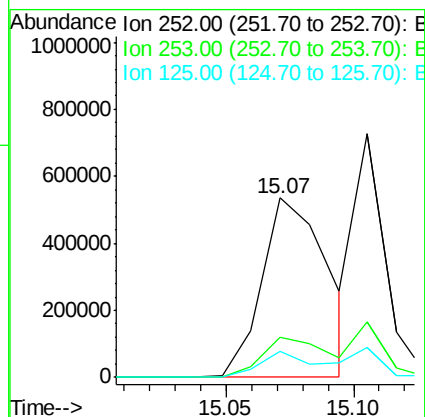
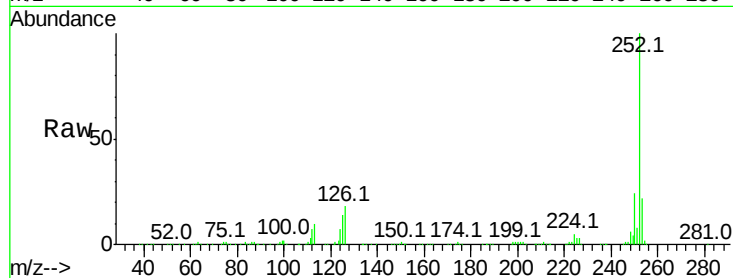
Tot Ion:252 Resp: 957850

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.4

125 14.2 8.2 12.4#



#88

Benzo(k)fluoranthene

Concen: 40.13 ng m

RT: 15.11 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

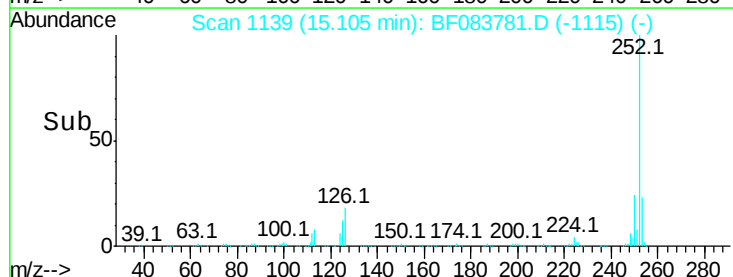
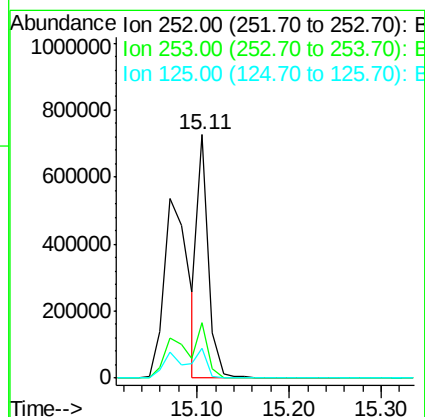
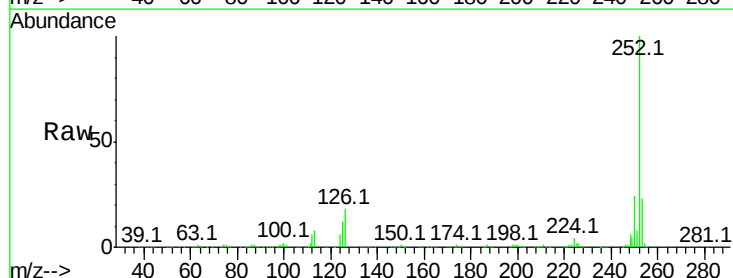
Tgt Ion:252 Resp: 614399

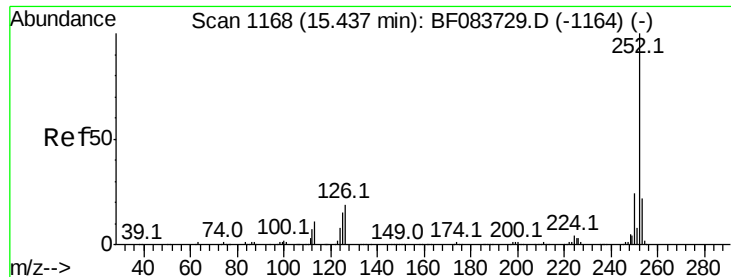
Ion Ratio Lower Upper

252 100

253 22.9 18.6 27.8

125 12.3 11.5 17.3

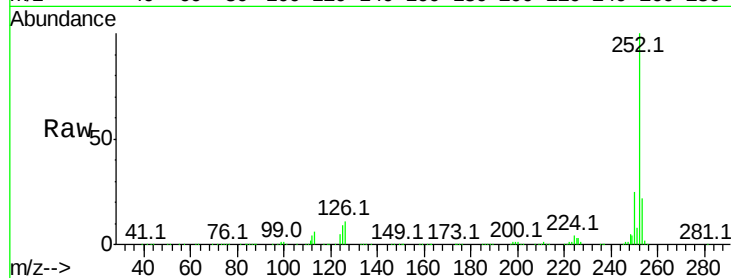




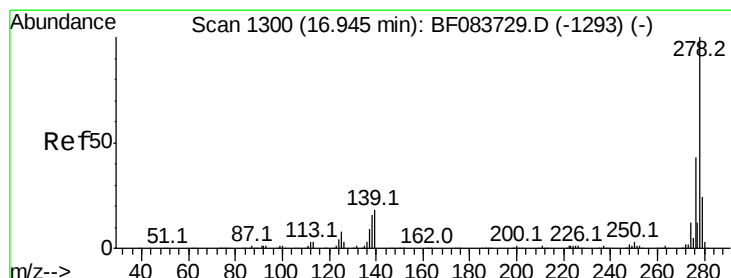
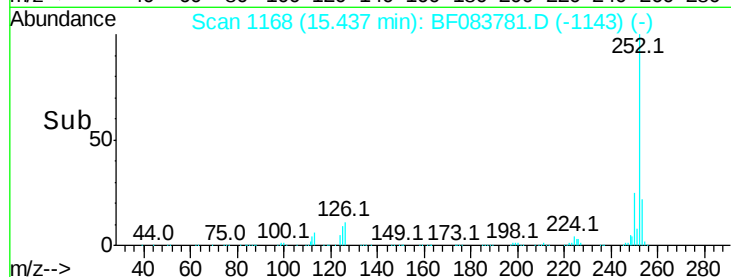
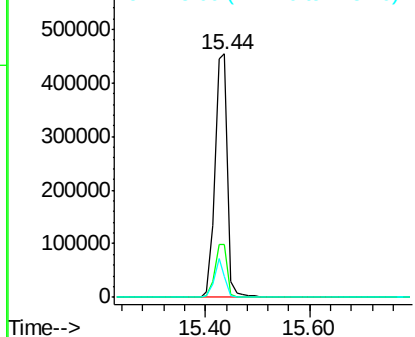
#89
Benzo(a)pyrene
Concen: 49.77 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPHMS

Tot Ion:252 Resp: 750546
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 8.7 11.0 16.6#

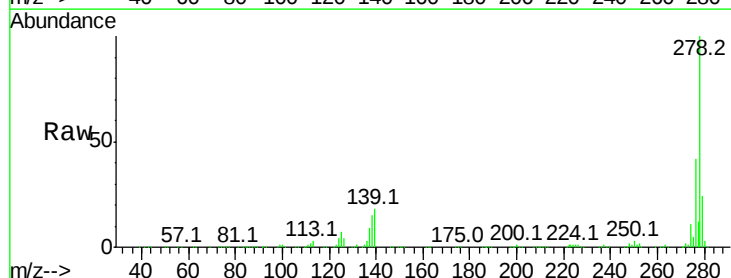


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

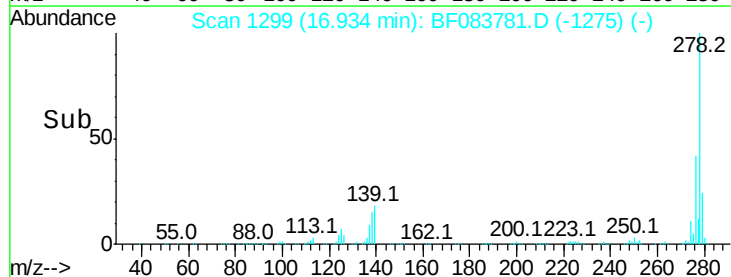
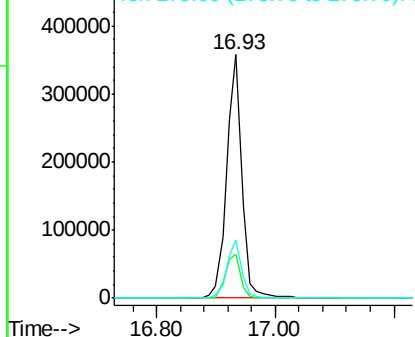


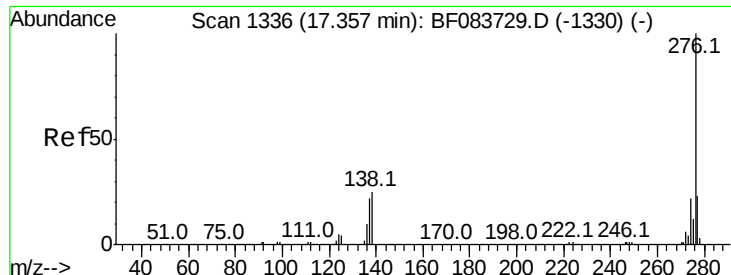
#90
Dibenzo(a,h)anthracene
Concen: 42.14 ng
RT: 16.93 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BF083781.D
Acq: 14 Dec 2015 20:58

Tgt Ion:278 Resp: 631912
Ion Ratio Lower Upper
278 100
139 17.8 12.8 19.2
279 23.9 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: 41.68 ng

RT: 17.35 min Scan# 1335

Delta R.T. -0.03 min

Lab File: BF083781.D

Acq: 14 Dec 2015 20:58

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPHMS

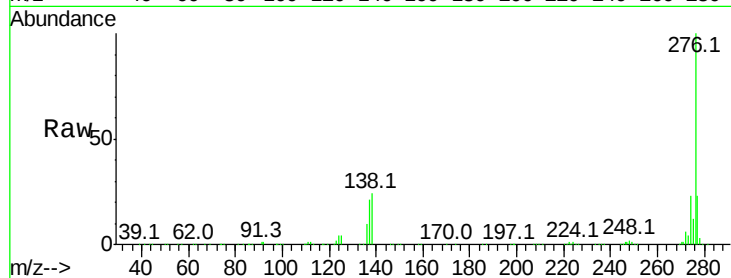
Tot Ion:276 Resp: 642380

Ion Ratio Lower Upper

276 100

277 23.5 19.2 28.8

138 24.1 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

