

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
 Data File : BF078770.D
 Acq On : 24 Apr 2015 4:48
 Operator : TP/IZ
 Sample : G1979-01MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PITMSD

Quant Time: Apr 24 05:28:33 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 04:11:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	23390	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	94885	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	47453	20.00	ng	0.00
63) Phenanthrene-d10	13.83	188	97248	20.00	ng	0.00
75) Chrysene-d12	17.71	240	108241	20.00	ng	0.00
86) Perylene-d12	19.39	264	104145	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	3.78	112	46016	32.44	ng	0.01
7) Phenol-d6	5.27	99	58806	33.08	ng	0.00
23) Nitrobenzene-d5	6.70	82	39398	25.17	ng	0.00
41) 2,4,6-Tribromophenol	12.57	330	16274	41.35	ng	0.00
44) 2-Fluorobiphenyl	9.93	172	87269	26.29	ng	0.00
78) Terphenyl-d14	16.38	244	109950	22.95	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	1.35	88	5934	9.25	ng	# 81
3) Pyridine	1.87	79	13758	8.19	ng	# 80
4) n-Nitrosodimethylamine	1.80	42	8614m	13.32	ng	
6) Aniline	5.24	93	13020	5.16	ng	# 86
8) 2-Chlorophenol	5.43	128	19454	11.60	ng	95
10) Phenol	5.29	94	20996	9.86	ng	91
11) bis(2-Chloroethyl)ether	5.38	93	18470	12.06	ng	93
12) 1,3-Dichlorobenzene	5.66	146	20212	10.97	ng	96
13) 1,4-Dichlorobenzene	5.78	146	20567	11.09	ng	98
14) 1,2-Dichlorobenzene	6.02	146	19611	11.28	ng	97
15) Benzyl Alcohol	6.03	79	16004	12.81	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.27	45	24291	11.89	ng	# 14
17) 2-Methylphenol	6.27	107	15372	11.80	ng	# 86
18) Hexachloroethane	6.56	117	6930	11.08	ng	# 78
19) n-Nitroso-di-n-propylamine	6.49	70	14017	11.95	ng	94
20) 3+4-Methylphenols	6.55	107	19472	11.21	ng	96
22) Acetophenone	6.46	105	28408	12.85	ng	# 91
24) Nitrobenzene	6.73	77	19999	12.22	ng	92
25) Isophorone	7.15	82	36086	12.15	ng	94
26) 2-Nitrophenol	7.28	139	7807	10.01	ng	# 87
27) 2,4-Dimethylphenol	7.44	122	17725	12.22	ng	91
28) bis(2-Chloroethoxy)methane	7.60	93	22887	12.01	ng	98
29) 2,4-Dichlorophenol	7.74	162	16234	12.31	ng	93
30) 1,2,4-Trichlorobenzene	7.84	180	18305	12.10	ng	97
31) Naphthalene	7.95	128	61730	12.50	ng	99
32) Benzoic acid	7.64	122	6205	13.79	ng	# 80
33) 4-Chloroaniline	8.11	127	14181	6.92	ng	98
34) Hexachlorobutadiene	8.20	225	10062	12.11	ng	97
35) Caprolactam	8.73	113	4413	11.21	ng	94
36) 4-Chloro-3-methylphenol	9.08	107	18837	14.15	ng	94
37) 2-Methylnaphthalene	9.21	142	41229	12.30	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.52	216	17668	12.02	ng	96
40) Hexachlorocyclopentadiene	9.50	237	1399	8.84	ng	93
42) 2,4,6-Trichlorophenol	9.78	196	12240	13.20	ng	98

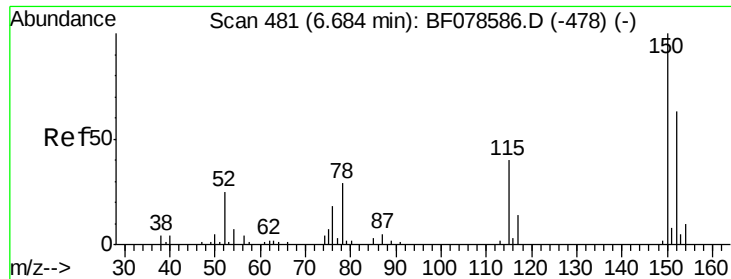
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.86	196	13190	13.62	nq	94
45) 1,1'-Biphenyl	10.09	154	50584	13.03	nq	98
46) 2-Chloronaphthalene	10.09	162	39530	12.94	nq	99
47) 2-Nitroaniline	10.34	65	11197	14.82	nq	# 68
48) Acenaphthylene	10.83	152	64777	13.14	nq	99
49) Dimethylphthalate	10.73	163	46531	13.05	nq	99
50) 2,6-Dinitrotoluene	10.82	165	9024	12.30	nq	# 33
51) Acenaphthene	11.15	154	36741	13.23	nq	99
52) 3-Nitroaniline	11.11	138	9480	11.37	nq	# 79
54) Dibenzofuran	11.48	168	58075	13.69	nq	98
55) 4-Nitrophenol	11.58	139	10638m	19.49	nq	
56) 2,4-Dinitrotoluene	11.56	165	11000	11.58	nq	# 71
57) Fluorene	12.11	166	48404	14.08	nq	100
58) 2,3,4,6-Tetrachlorophenol	11.76	232	9535	13.28	nq	# 94
59) Diethylphthalate	12.06	149	46377	13.49	nq	98
60) 4-Chlorophenyl-phenylether	12.18	204	21602	13.66	nq	# 88
61) 4-Nitroaniline	12.23	138	11043	13.10	nq	93
62) Azobenzene	12.47	77	44166	14.08	nq	89
65) n-Nitrosodiphenylamine	12.41	169	40581	12.06	nq	98
66) 4-Bromophenyl-phenylether	13.07	248	13005	12.63	nq	93
67) Hexachlorobenzene	13.11	284	13501	11.96	nq	# 84
68) Atrazine	13.49	200	13390	13.74	nq	97
69) Pentachlorophenol	13.54	266	5306	17.33	nq	99
70) Phenanthrene	13.87	178	72026	12.80	nq	99
71) Anthracene	13.97	178	72141	13.01	nq	97
72) Carbazole	14.31	167	71374	13.74	nq	100
73) Di-n-butylphthalate	14.99	149	83891	14.26	nq	100
74) Fluoranthene	15.77	202	80776	13.62	nq	96
76) Benzidine	16.03	184	51503	12.36	nq	99
77) Pyrene	16.08	202	85205	12.54	nq	99
79) Butylbenzylphthalate	17.07	149	38001	14.67	nq	99
80) Benzo(a)anthracene	17.70	228	82323	12.78	nq	99
81) 3,3'-Dichlorobenzidine	17.71	252	22077	10.24	nq	# 98
82) Chrysene	17.75	228	76353	12.62	nq	98
83) Bis(2-ethylhexyl)phthalate	17.85	149	118448	29.16	nq	98
84) Di-n-octyl phthalate	18.63	149	101863	15.27	nq	# 100
85) Indeno(1,2,3-cd)pyrene	20.51	276	88602	12.90	nq	# 88
87) Benzo(b)fluoranthene	18.98	252	84108	13.07	nq	99
88) Benzo(k)fluoranthene	19.01	252	76345m	13.35	nq	
89) Benzo(a)pyrene	19.34	252	79041	14.07	nq	99
90) Dibenzo(a,h)anthracene	20.54	278	73942	13.15	nq	98
91) Benzo(g,h,i)perylene	20.82	276	71910	12.75	nq	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.76 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

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SOIL-PITMSD

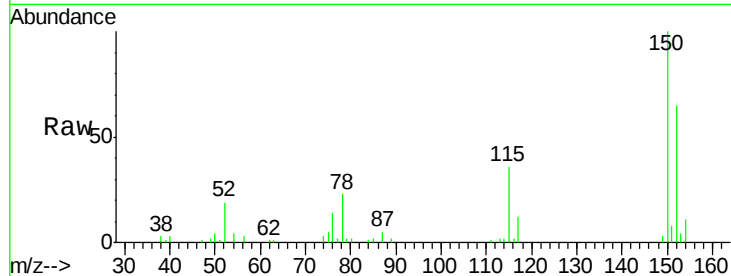
Tot Ion:152 Resp: 23390

Ion Ratio Lower Upper

152 100

150 154.0 125.9 188.9

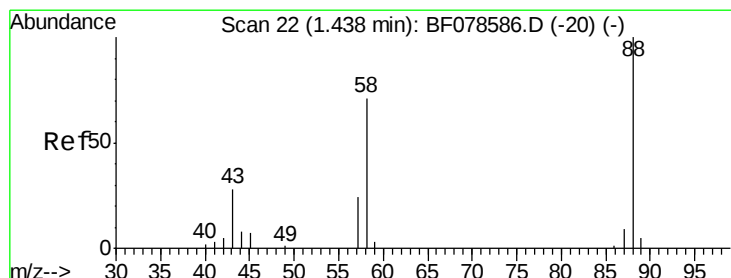
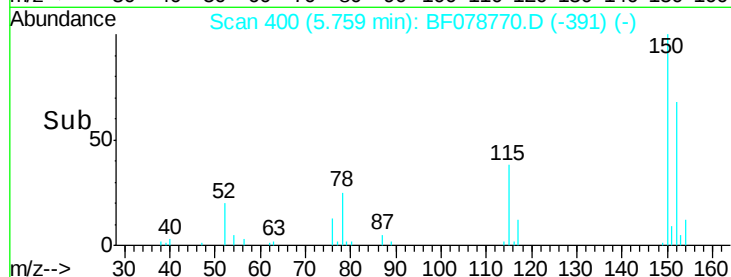
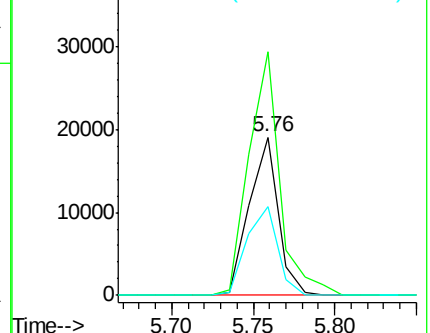
115 55.7 52.7 79.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 9.25 ng

RT: 1.35 min Scan# 14

Delta R.T. 0.02 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

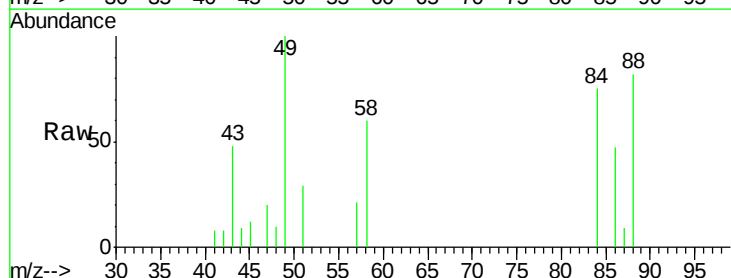
Tgt Ion: 88 Resp: 5934

Ion Ratio Lower Upper

88 100

58 66.1 56.9 85.3

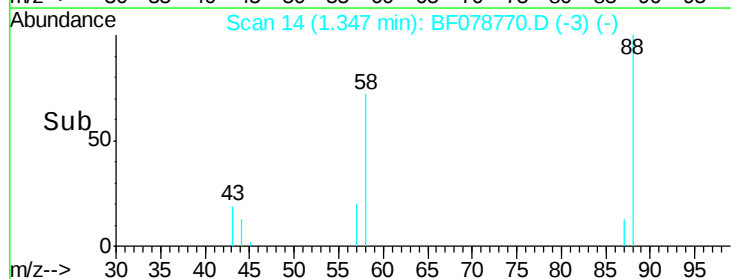
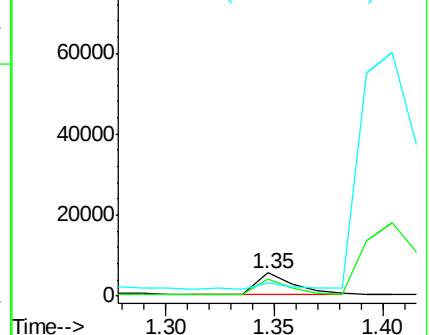
43 0.0 21.4 32.2

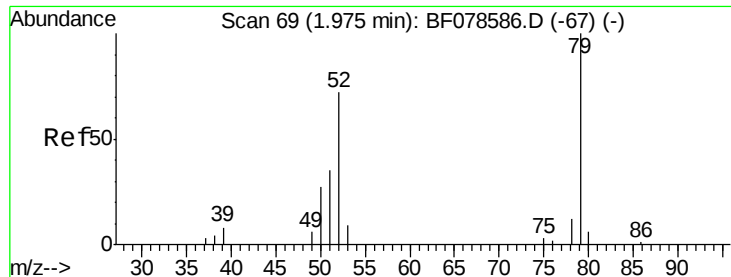


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 8.19 ng

RT: 1.87 min Scan# 60

Delta R.T. 0.06 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

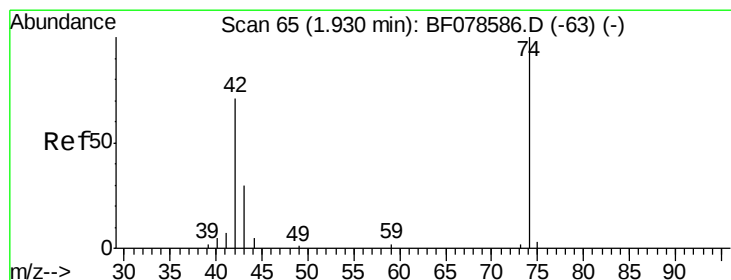
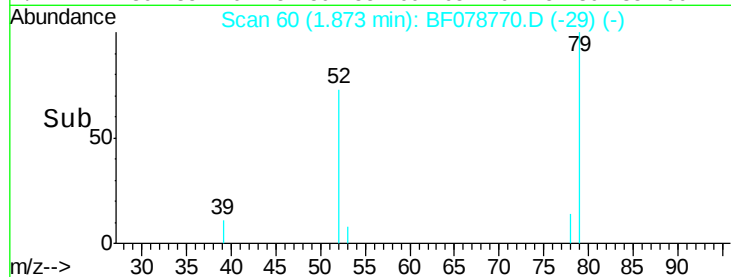
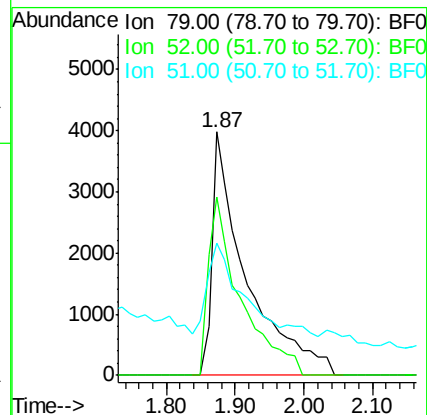
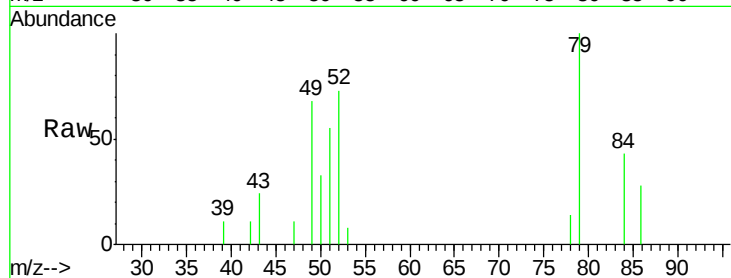
Tot Ion: 79 Resp: 13758

Ion Ratio Lower Upper

79 100

52 73.4 52.4 78.6

51 54.5 24.9 37.3#



#4

n-Nitrosodimethylamine

Concen: 13.32 ng m

RT: 1.80 min Scan# 54

Delta R.T. 0.03 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

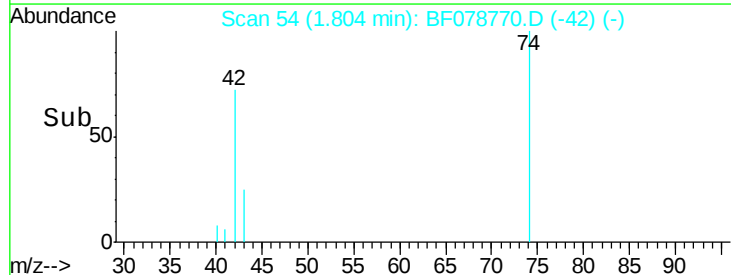
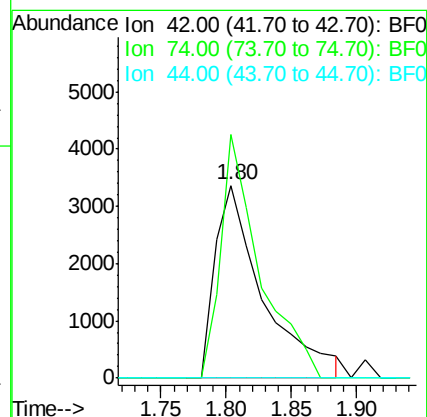
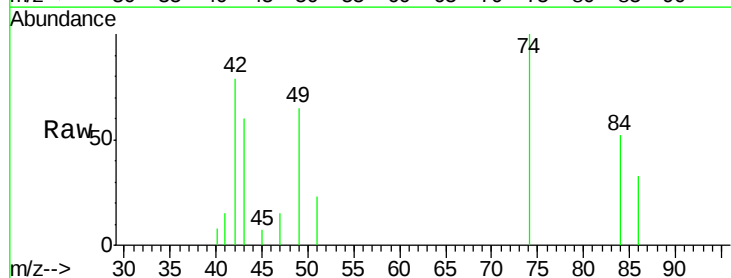
Tgt Ion: 42 Resp: 8614

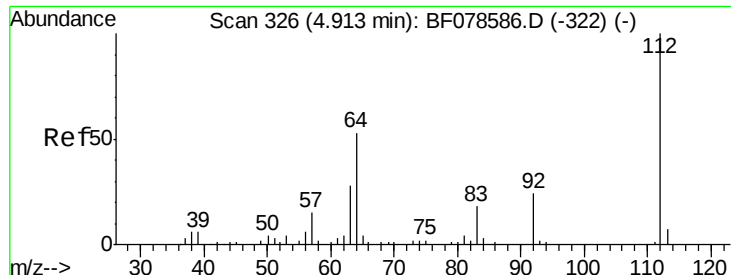
Ion Ratio Lower Upper

42 100

74 126.3 118.7 178.1

44 0.0 5.9 8.9#





#5

2-Fluorophenol

Concen: 32.44 ng

RT: 3.78 min Scan# 227

Delta R.T. 0.01 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

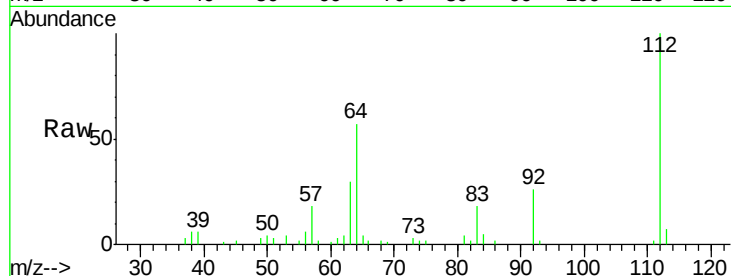
Tot Ion:112 Resp: 46016

Ion Ratio Lower Upper

112 100

64 57.0 39.9 59.9

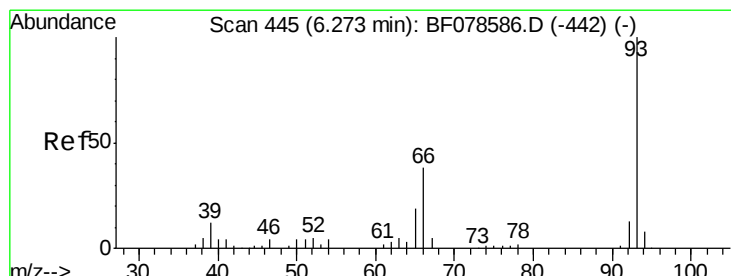
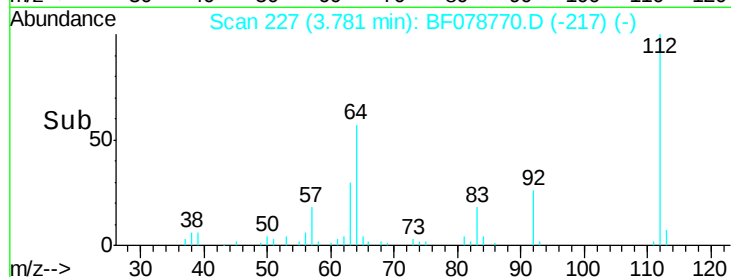
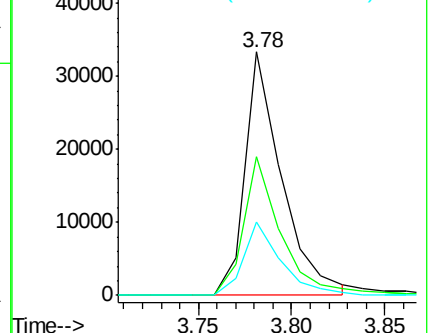
63 30.2 20.2 30.4



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: 5.16 ng

RT: 5.24 min Scan# 355

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

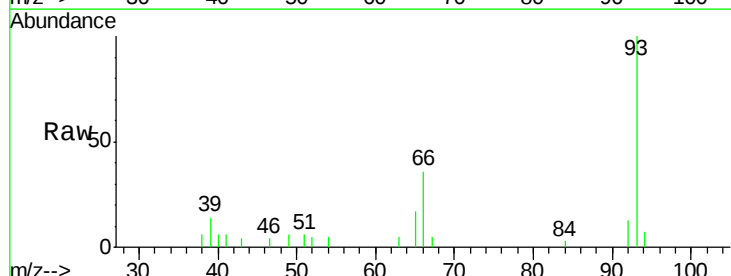
Tgt Ion: 93 Resp: 13020

Ion Ratio Lower Upper

93 100

66 36.3 38.0 57.0#

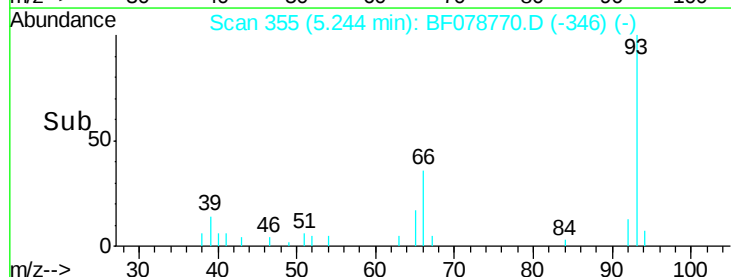
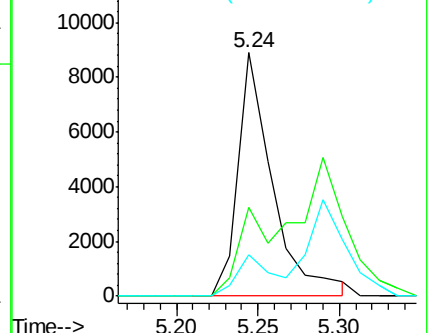
65 17.0 16.3 24.5

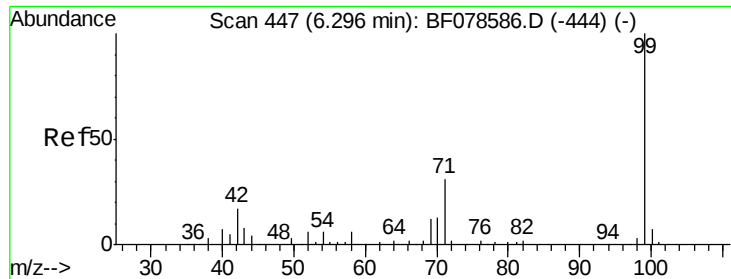


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 33.08 ng

RT: 5.27 min Scan# 357

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

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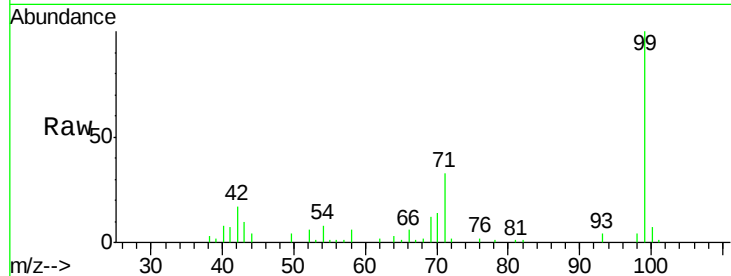
Tot Ion: 99 Resp: 58806

Ion Ratio Lower Upper

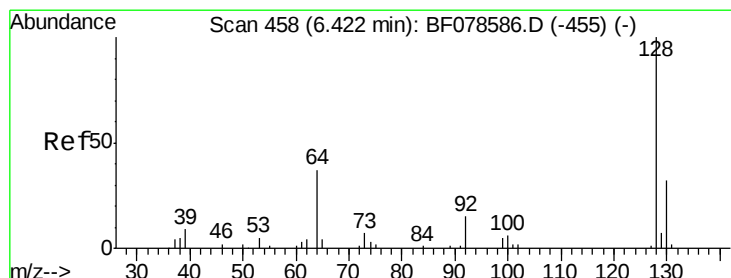
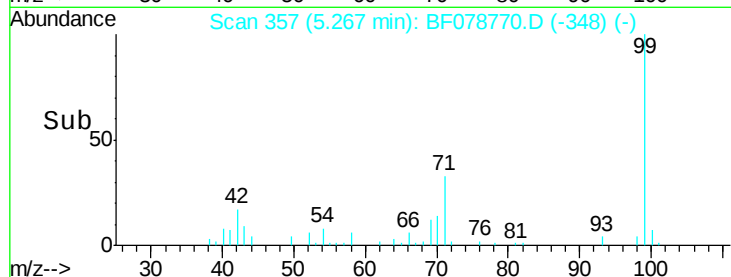
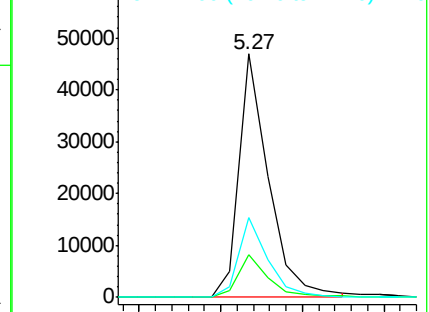
99 100

42 17.3 14.8 22.2

71 32.7 26.6 39.8



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: 11.60 ng

RT: 5.43 min Scan# 371

Delta R.T. 0.01 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

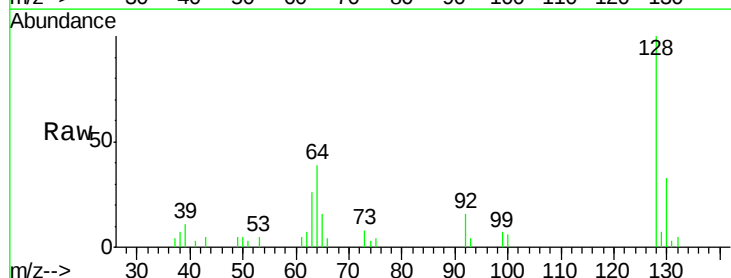
Tgt Ion: 128 Resp: 19454

Ion Ratio Lower Upper

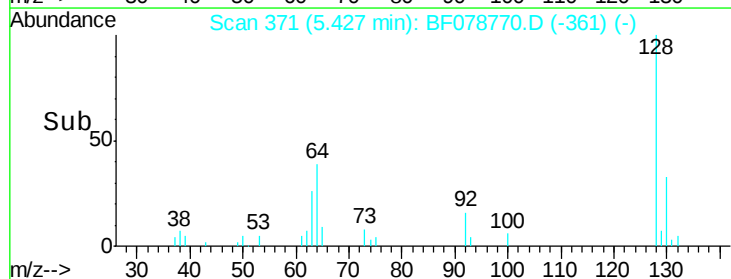
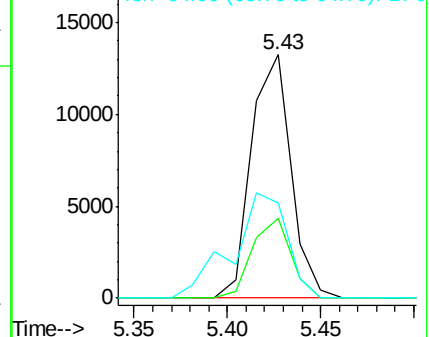
128 100

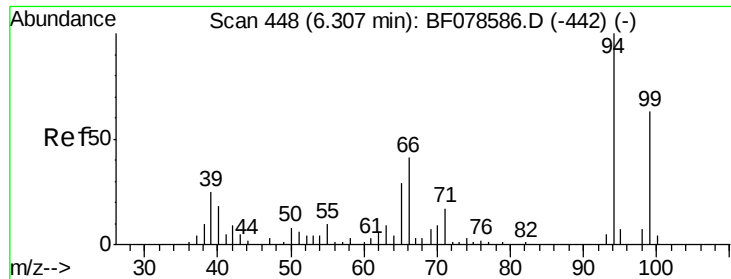
130 32.8 12.3 52.3

64 39.1 23.8 63.8



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





#10

Phenol

Concen: 9.86 ng

RT: 5.29 min Scan# 359

Delta R.T. 0.01 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

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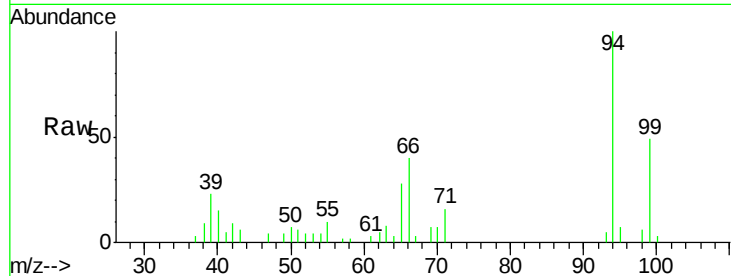
Tot Ion: 94 Resp: 20996

Ion Ratio Lower Upper

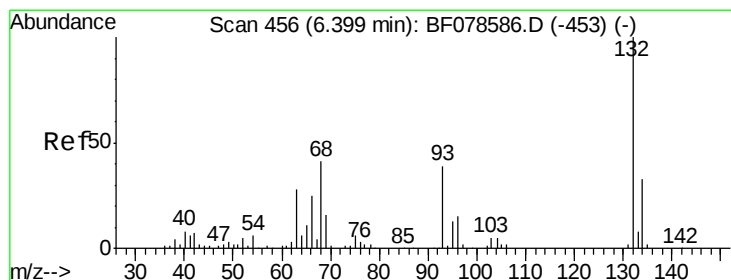
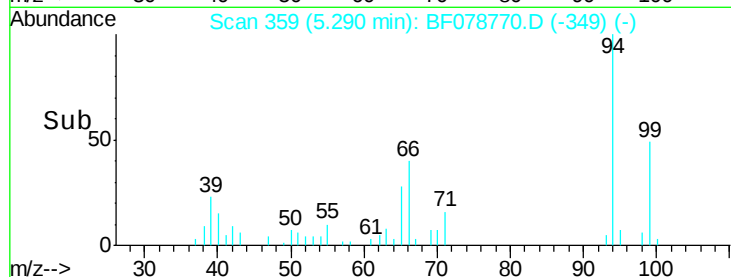
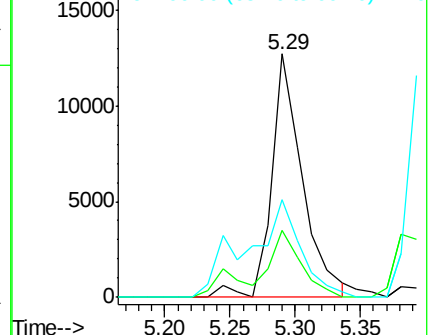
94 100

65 27.8 4.9 44.9

66 40.0 13.8 53.8



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: 12.06 ng

RT: 5.38 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

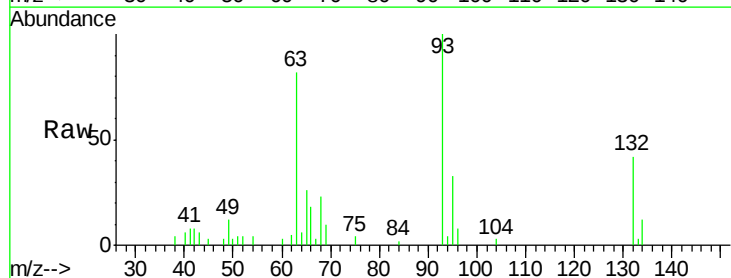
Tgt Ion: 93 Resp: 18470

Ion Ratio Lower Upper

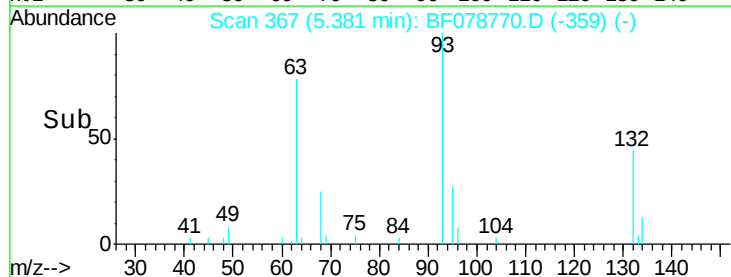
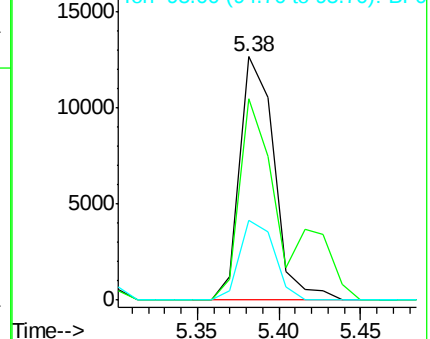
93 100

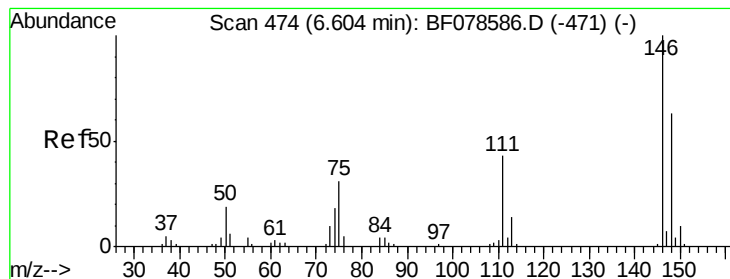
63 82.5 54.6 94.6

95 32.7 13.6 53.6



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0





#12

1,3-Dichlorobenzene

Concen: 10.97 ng

RT: 5.66 min Scan# 391

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

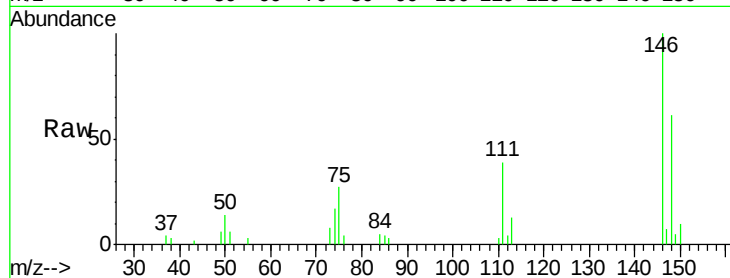
Tot Ion:146 Resp: 20212

Ion Ratio Lower Upper

146 100

148 60.7 49.1 73.7

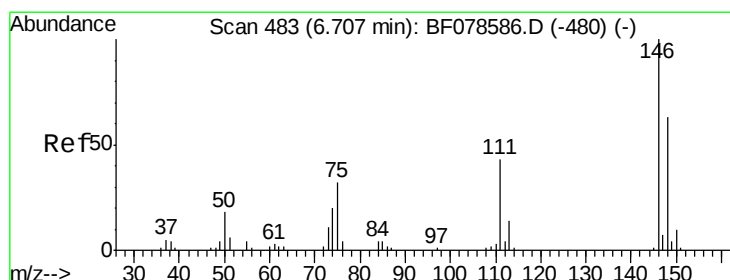
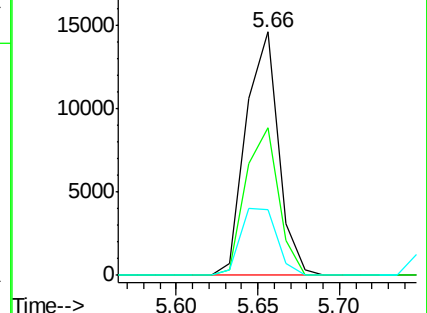
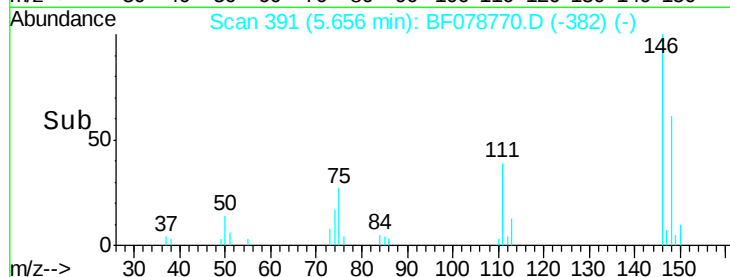
75 27.1 26.6 40.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 11.09 ng

RT: 5.78 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

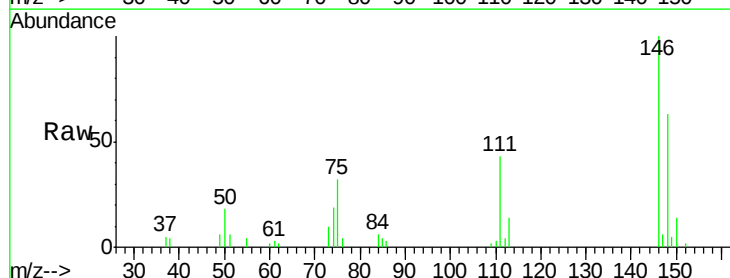
Tgt Ion:146 Resp: 20567

Ion Ratio Lower Upper

146 100

148 62.8 51.4 77.0

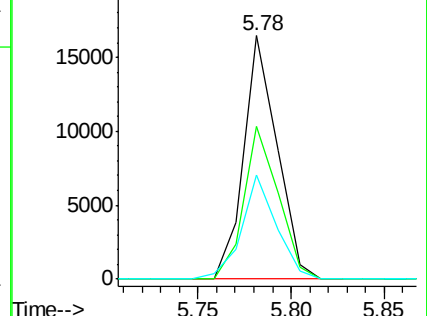
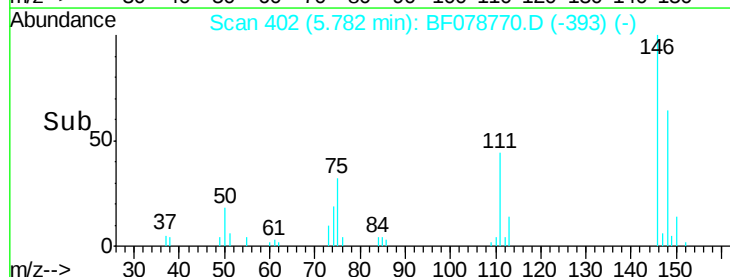
111 42.9 35.0 52.4

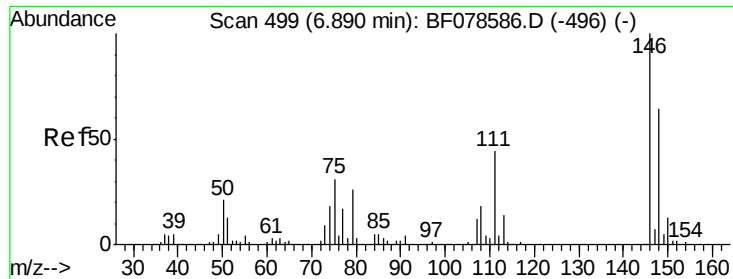


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 11.28 ng

RT: 6.02 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

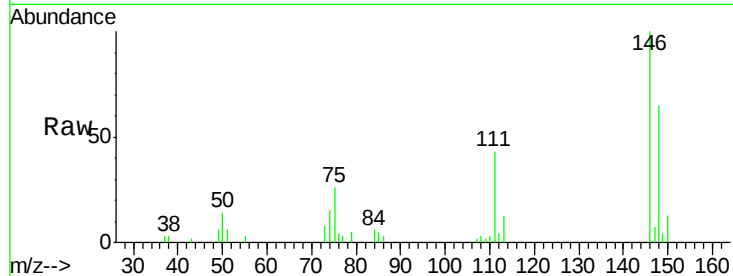
Tot Ion:146 Resp: 19611

Ion Ratio Lower Upper

146 100

148 64.6 50.2 75.4

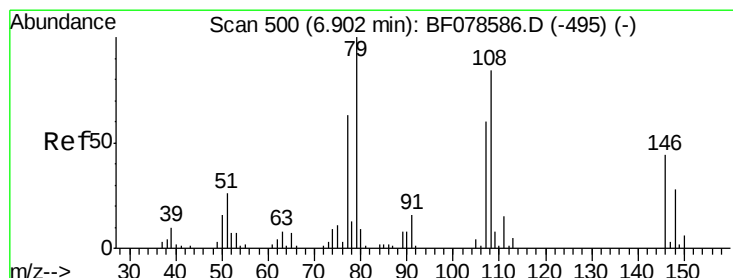
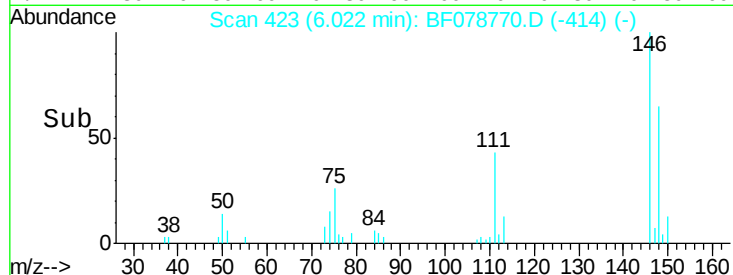
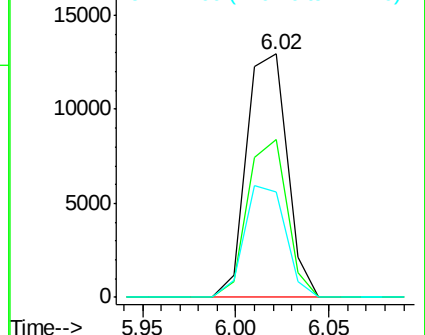
111 43.1 36.1 54.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 12.81 ng

RT: 6.03 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

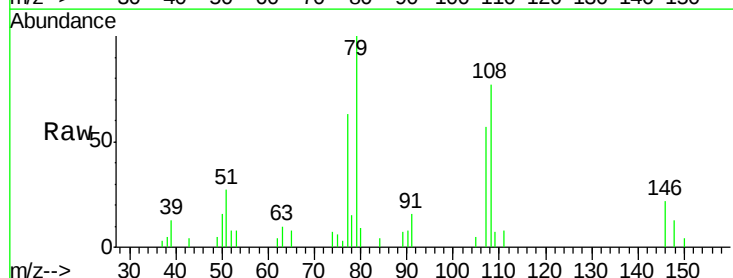
Tgt Ion: 79 Resp: 16004

Ion Ratio Lower Upper

79 100

108 77.1 57.6 86.4

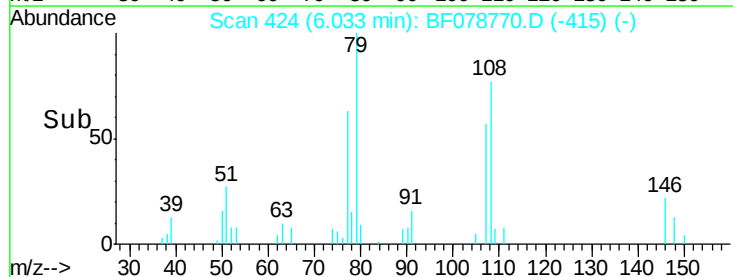
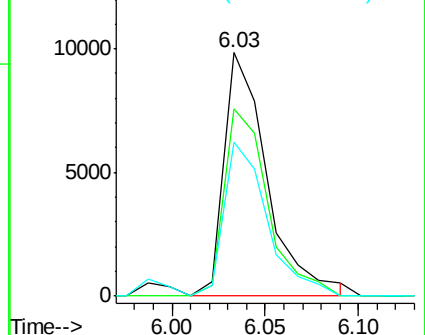
77 63.2 53.5 80.3

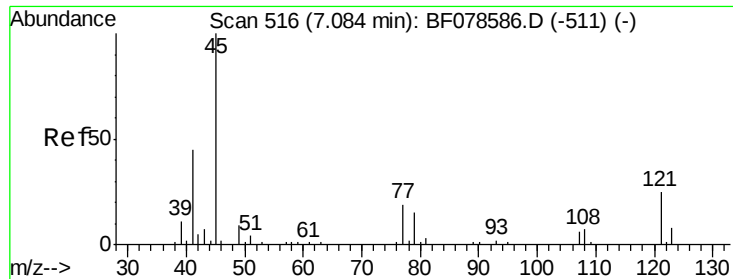


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

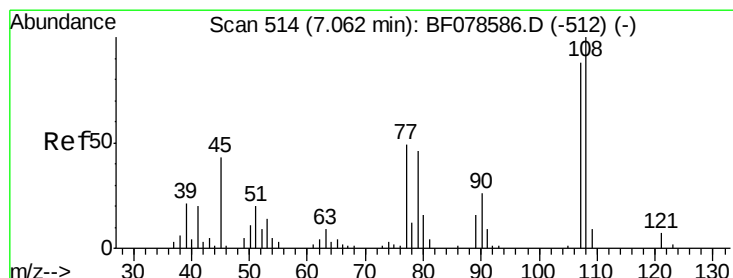
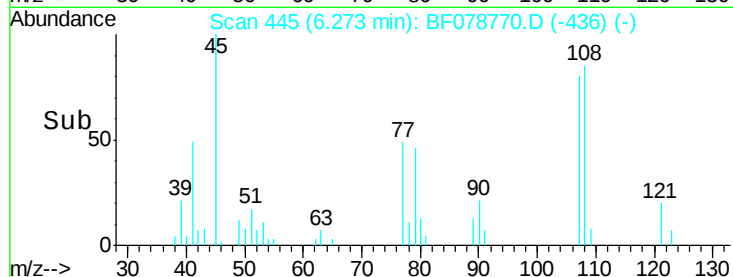
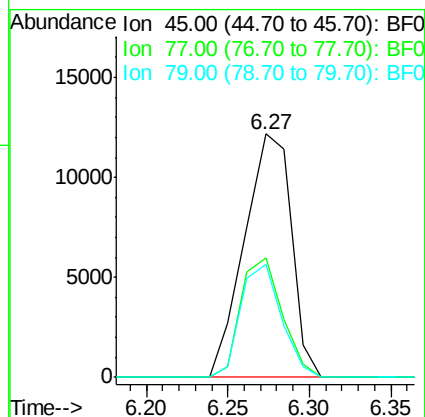
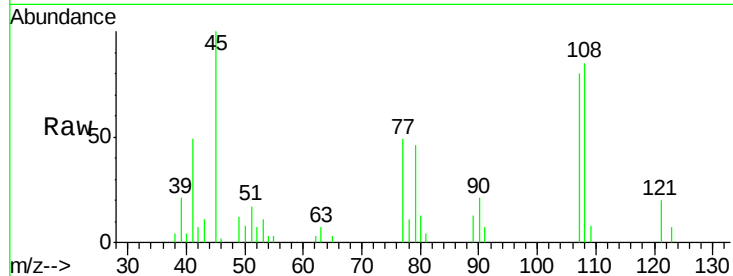




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 11.89 ng
RT: 6.27 min Scan# 445
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

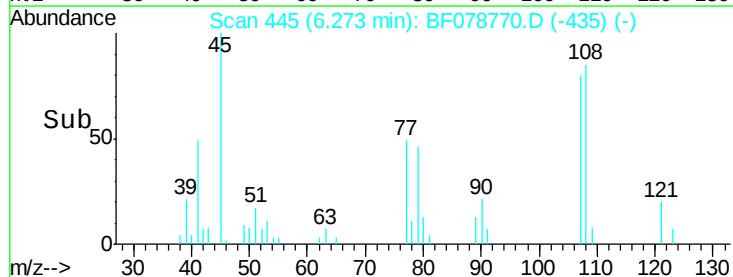
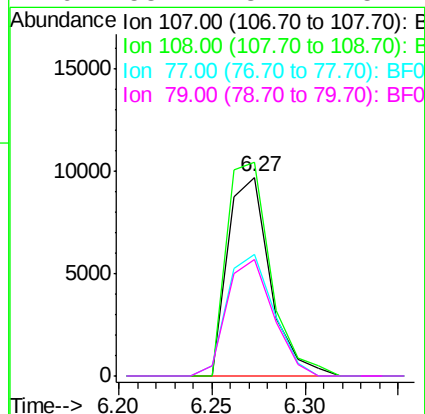
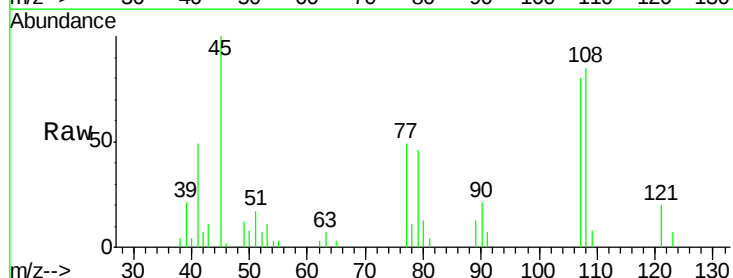
Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

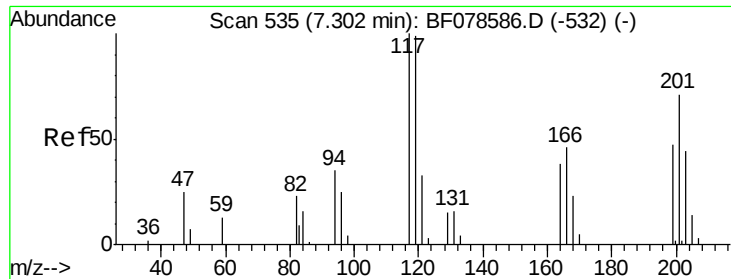
Tot Ion: 45 Resp: 24291
Ion Ratio Lower Upper
45 100
77 48.8 0.0 34.5#
79 46.4 0.0 31.9#



#17
2-Methylphenol
Concen: 11.80 ng
RT: 6.27 min Scan# 445
Delta R.T. 0.01 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion:107 Resp: 15372
Ion Ratio Lower Upper
107 100
108 107.5 90.3 135.5
77 61.4 35.5 53.3#
79 58.4 34.2 51.4#

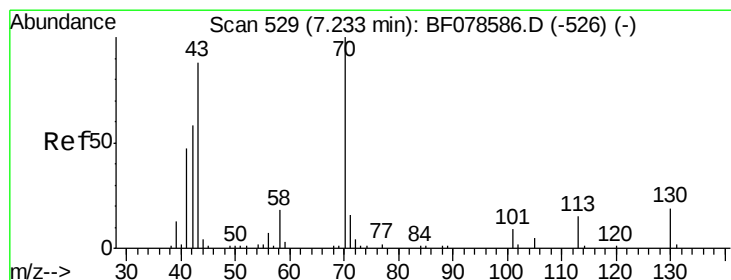
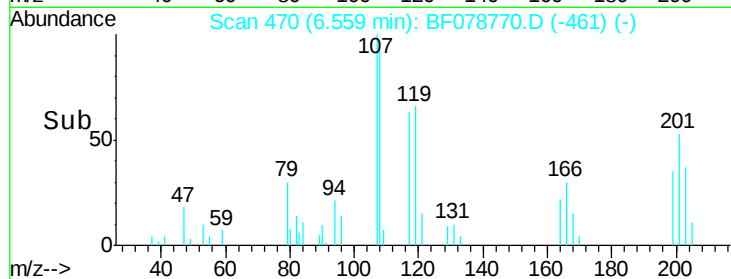
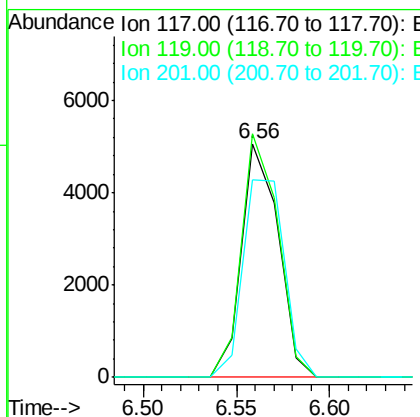
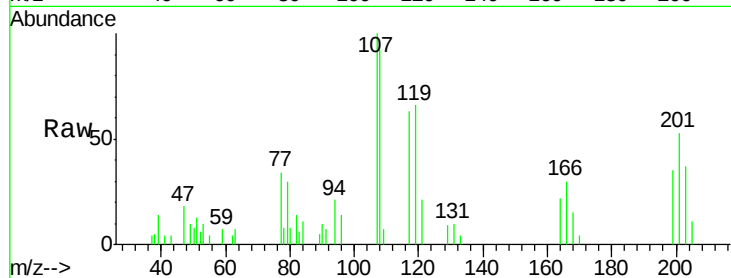




#18
Hexachloroethane
Concen: 11.08 ng
RT: 6.56 min Scan# 470
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

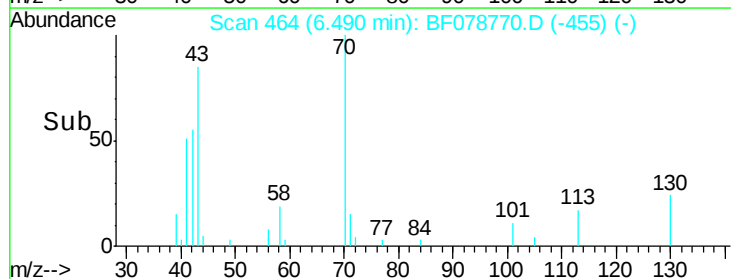
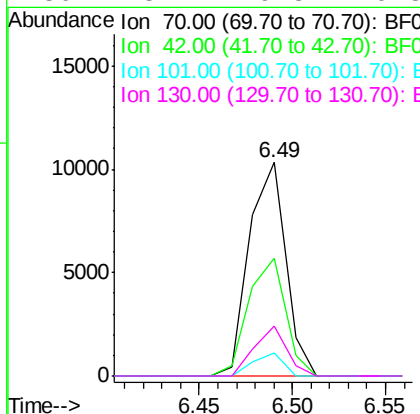
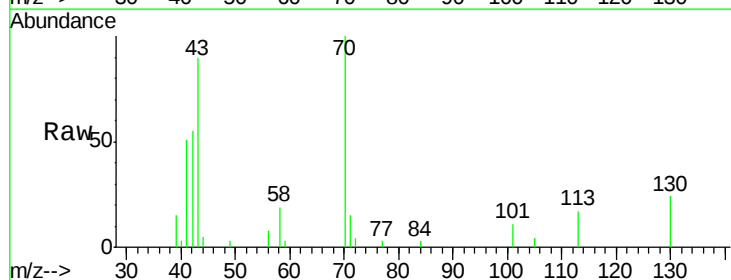
Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

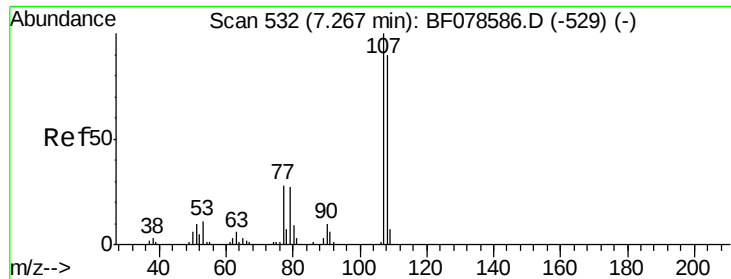
Tot Ion:117 Resp: 6930
Ion Ratio Lower Upper
117 100
119 104.2 77.0 115.6
201 84.8 98.1 147.1#



#19
n-Nitroso-di-n-propylamine
Concen: 11.95 ng
RT: 6.49 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion: 70 Resp: 14017
Ion Ratio Lower Upper
70 100
42 55.0 38.9 58.3
101 10.6 8.3 12.5
130 23.7 19.8 29.8





#20

3+4-Methylphenols

Concen: 11.21 ng

RT: 6.55 min Scan# 469

Delta R.T. 0.01 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

Tot Ion:107 Resp: 19472

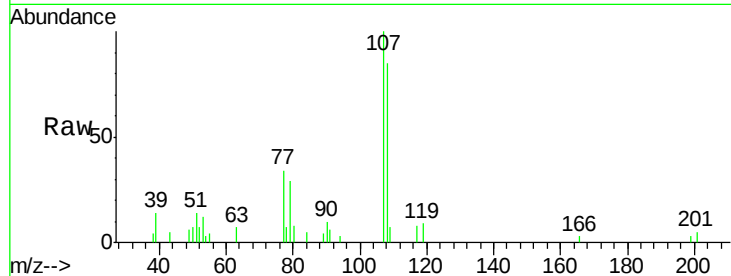
Ion Ratio Lower Upper

107 100

108 85.5 64.4 104.4

77 34.0 9.7 49.7

79 28.5 4.0 44.0

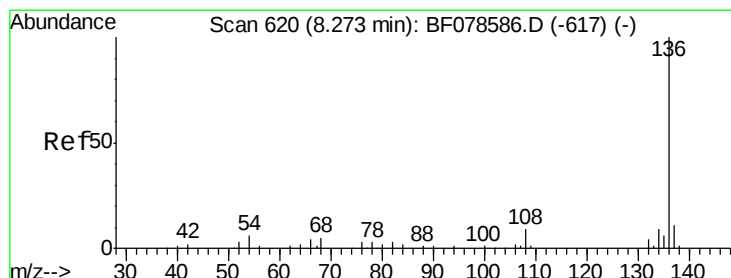
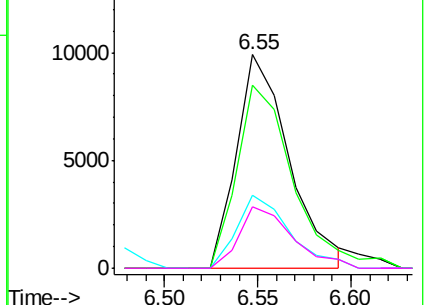
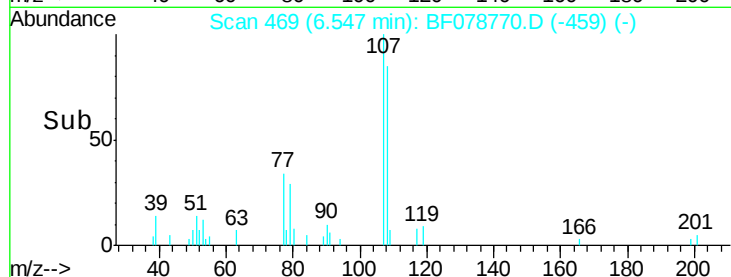


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 589

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Tgt Ion:136 Resp: 94885

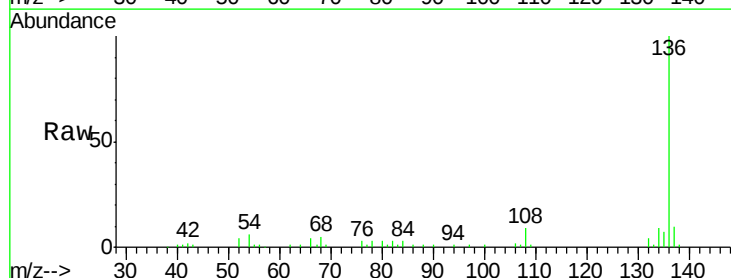
Ion Ratio Lower Upper

136 100

137 10.1 9.0 13.4

54 5.8 7.0 10.6#

68 4.9 5.4 8.2#

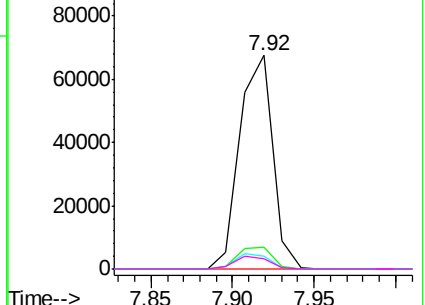
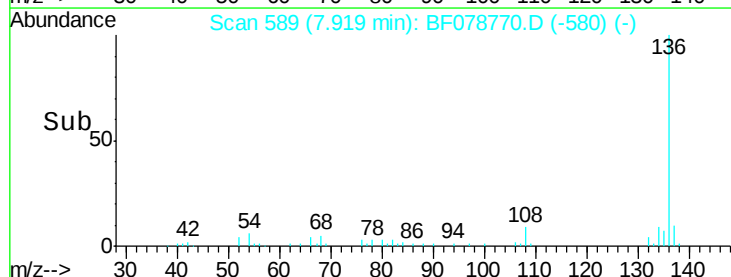


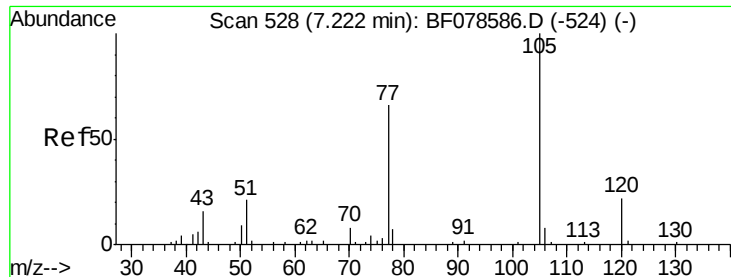
Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.85 ng

RT: 6.46 min Scan# 461

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

Tot Ion:105 Resp: 28408

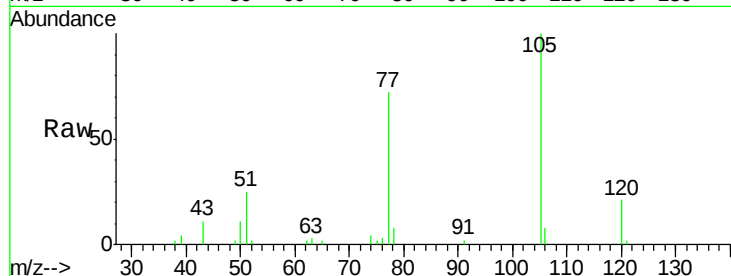
Ion Ratio Lower Upper

105 100

71 0.0 5.5 8.3#

51 25.4 16.0 24.0#

120 21.0 17.8 26.6

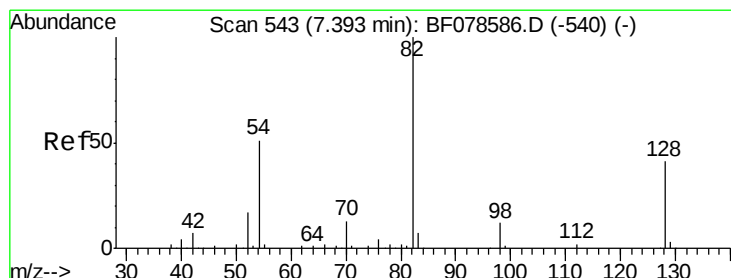
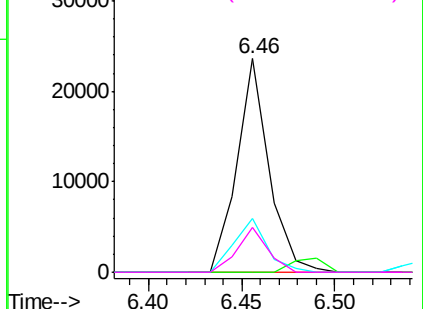
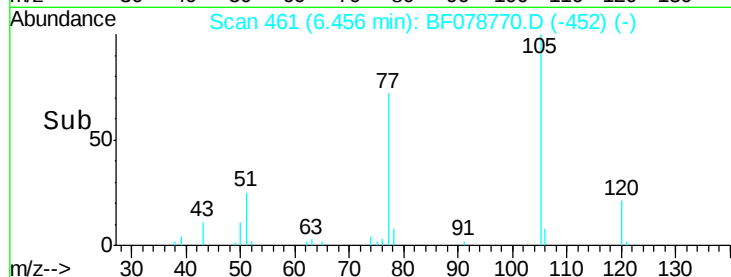


Abundance Ion 105.00 (104.70 to 105.70): E

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: 25.17 ng

RT: 6.70 min Scan# 482

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

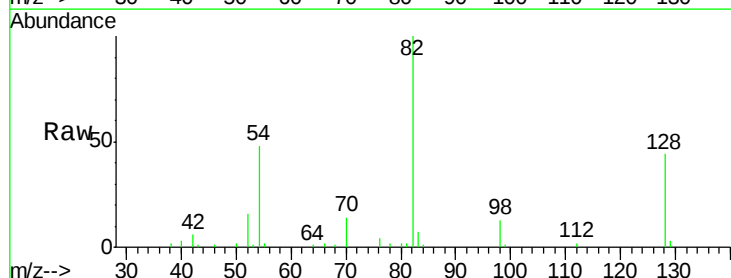
Tgt Ion: 82 Resp: 39398

Ion Ratio Lower Upper

82 100

128 44.5 31.8 47.8

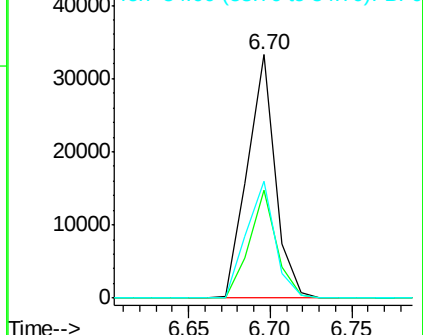
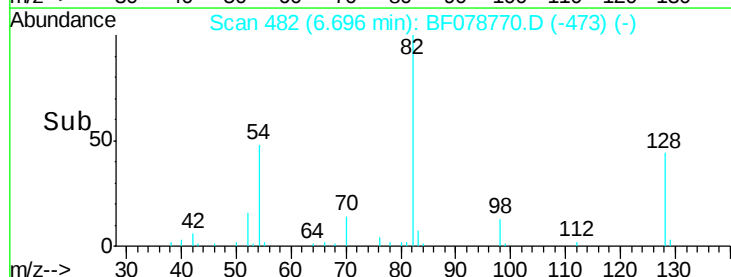
54 47.9 41.5 62.3

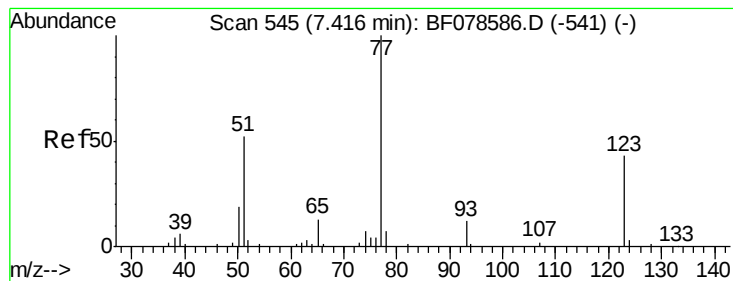


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 12.22 ng

RT: 6.73 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

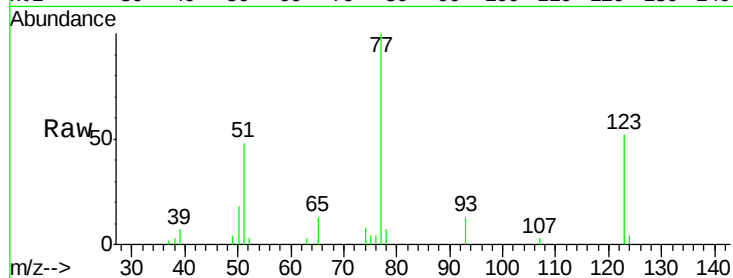
Tot Ion: 77 Resp: 19999

Ion Ratio Lower Upper

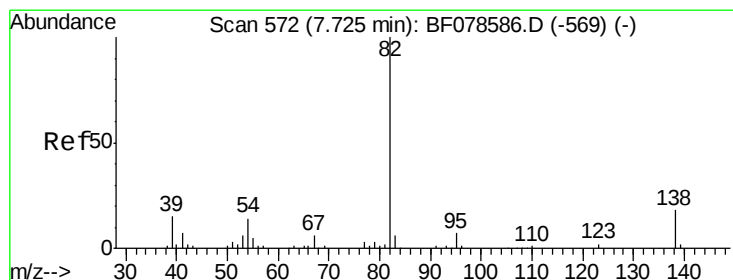
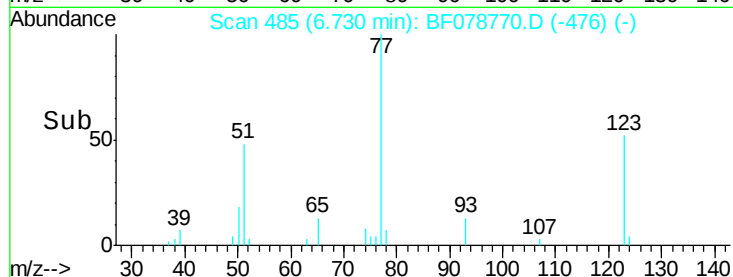
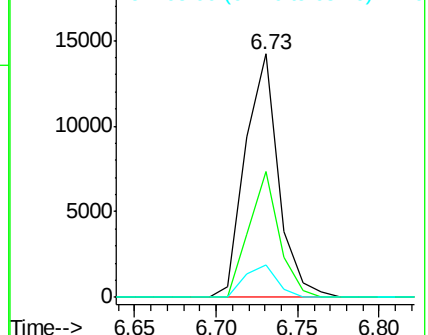
77 100

123 51.9 46.9 70.3

65 13.1 9.5 14.3



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



#25

Isophorone

Concen: 12.15 ng

RT: 7.15 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

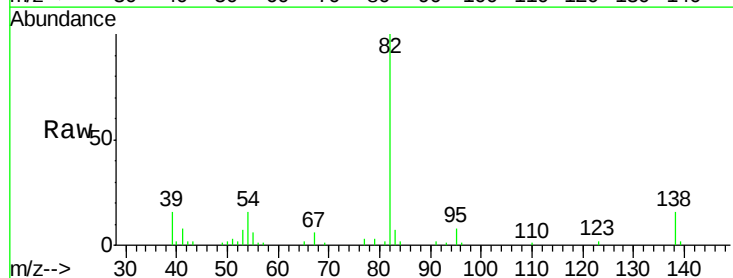
Tgt Ion: 82 Resp: 36086

Ion Ratio Lower Upper

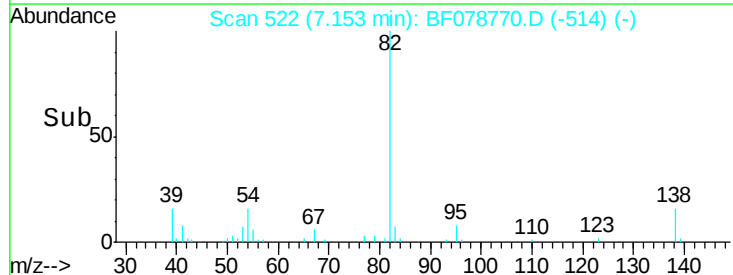
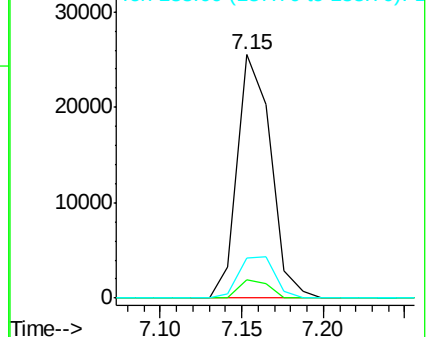
82 100

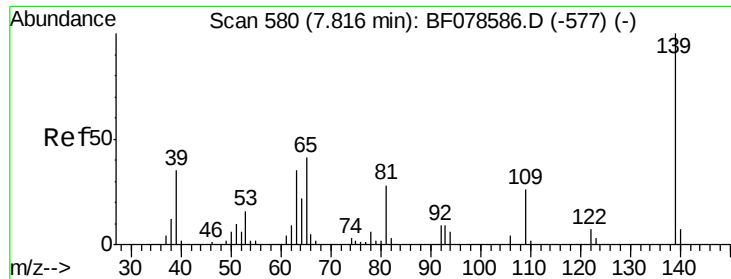
95 7.7 5.7 8.5

138 16.4 15.8 23.8



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

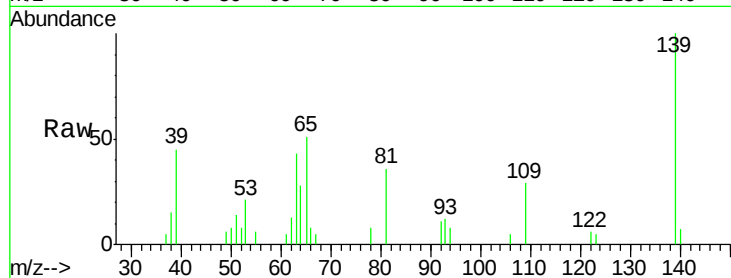




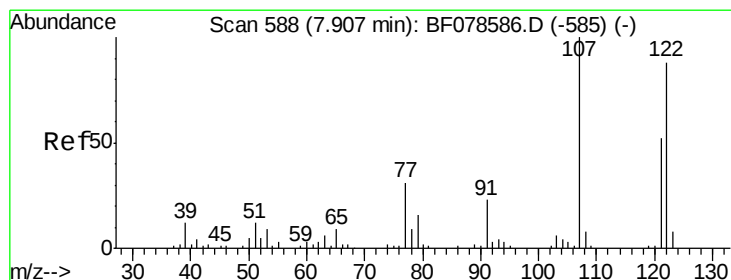
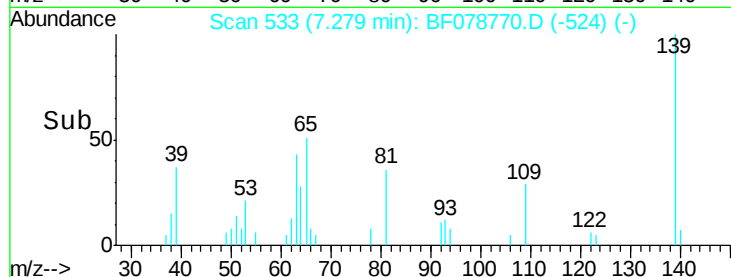
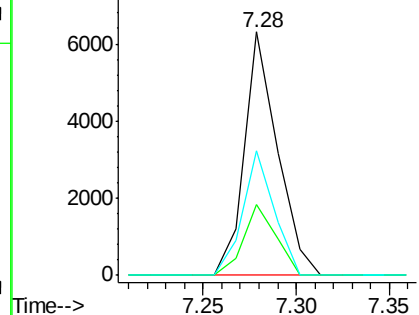
#26
2-Nitrophenol
Concen: 10.01 ng
RT: 7.28 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	28.8	19.8	29.8
65	51.0	32.7	49.1

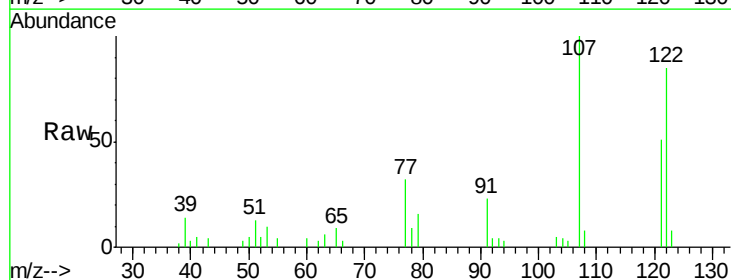


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

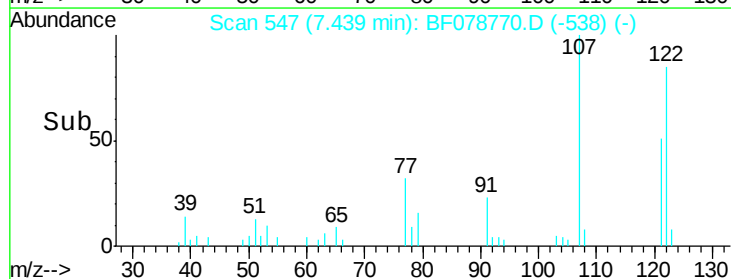
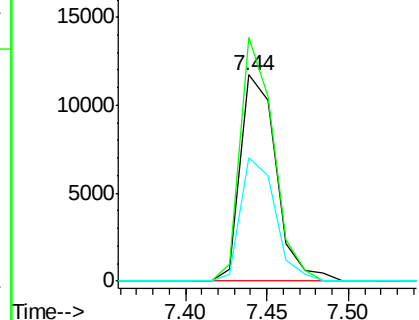


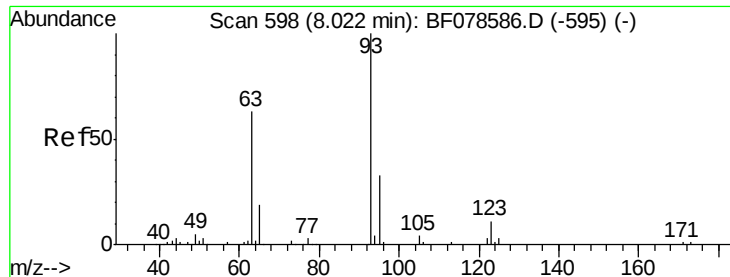
#27
2,4-Dimethylphenol
Concen: 12.22 ng
RT: 7.44 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion	Ratio	Lower	Upper
122	100		
107	117.9	84.6	127.0
121	59.9	46.0	69.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

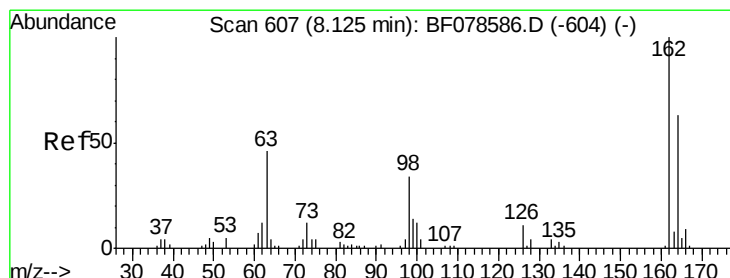
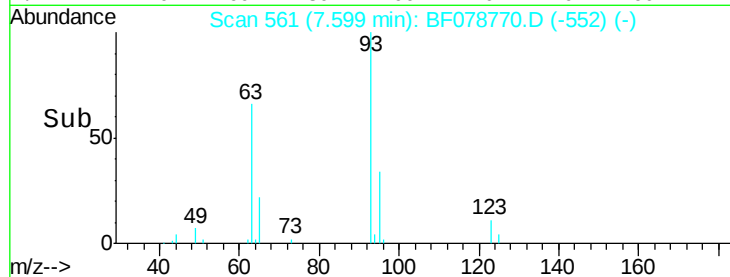
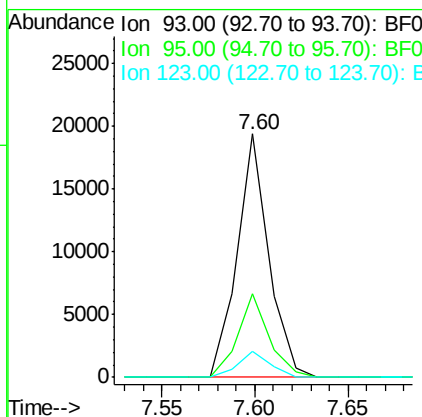
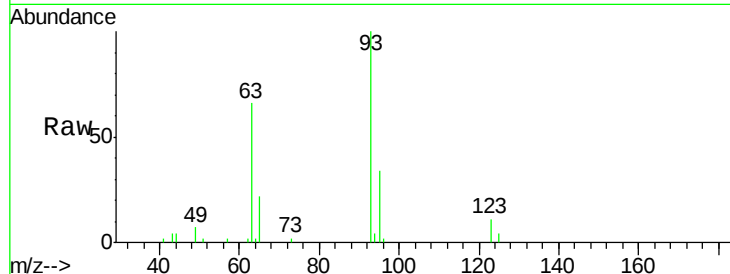




#28
 bis(2-Chloroethoxy)methane
 Concen: 12.01 ng
 RT: 7.60 min Scan# 561
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

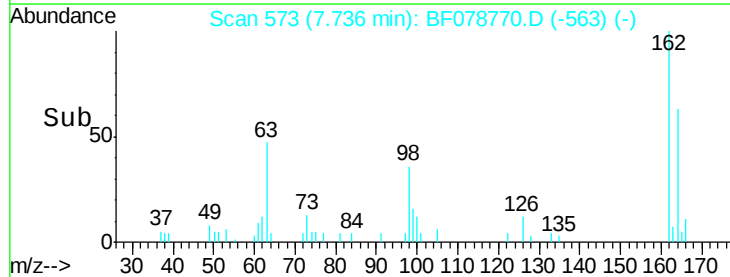
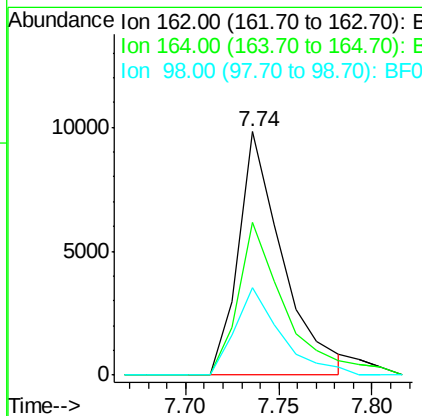
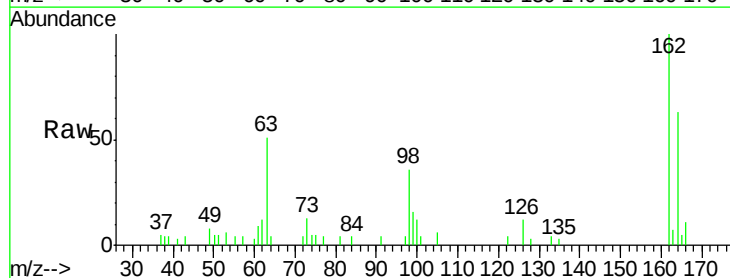
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PITMSD

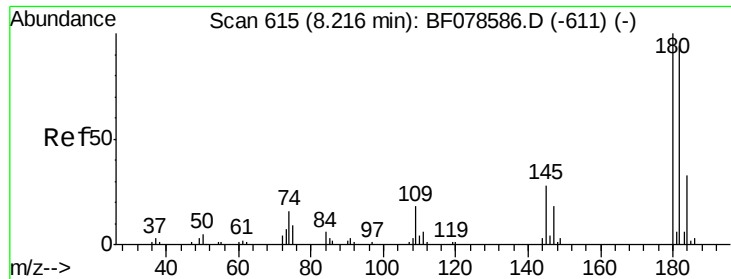
Tot Ion: 93 Resp: 22887
 Ion Ratio Lower Upper
 93 100
 95 34.1 26.3 39.5
 123 10.6 9.1 13.7



#29
 2,4-Dichlorophenol
 Concen: 12.31 ng
 RT: 7.74 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Tgt Ion: 162 Resp: 16234
 Ion Ratio Lower Upper
 162 100
 164 62.9 47.0 87.0
 98 35.7 9.2 49.2





#30

1,2,4-Trichlorobenzene

Concen: 12.10 ng

RT: 7.84 min Scan# 582

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

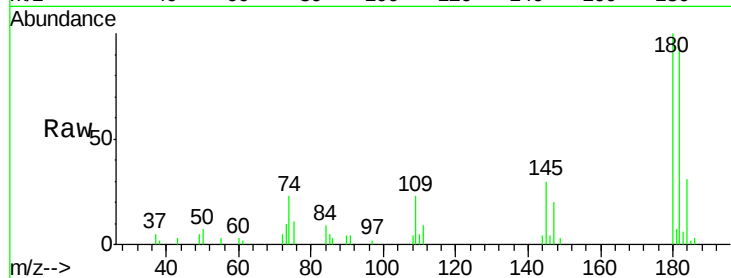
Tot Ion:180 Resp: 18305

Ion Ratio Lower Upper

180 100

182 94.1 76.9 115.3

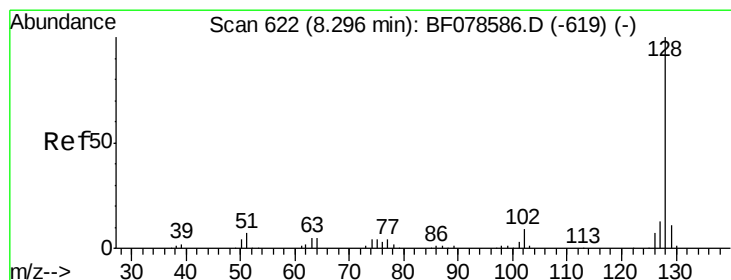
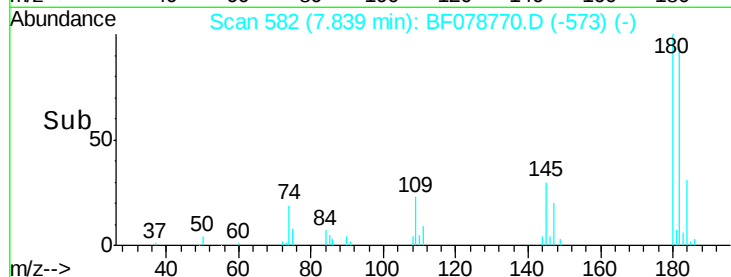
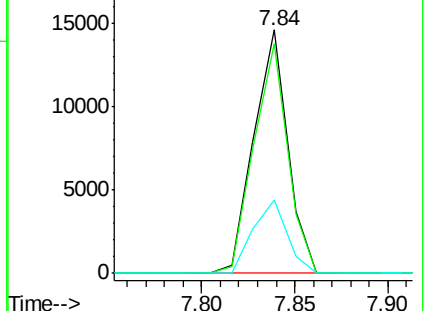
145 30.3 22.5 33.7



Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E



#31

Naphthalene

Concen: 12.50 ng

RT: 7.95 min Scan# 592

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

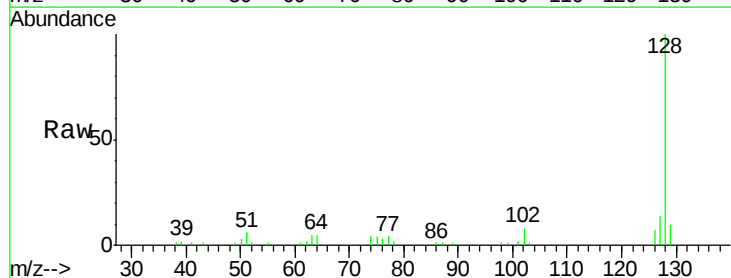
Tgt Ion:128 Resp: 61730

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

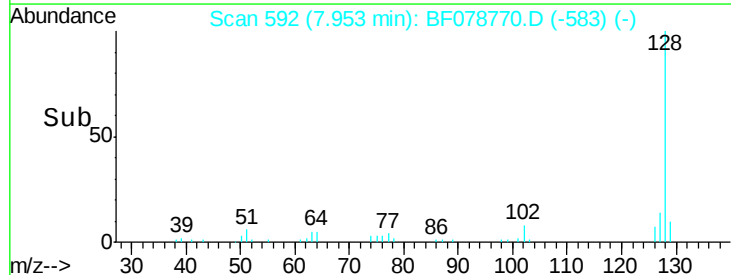
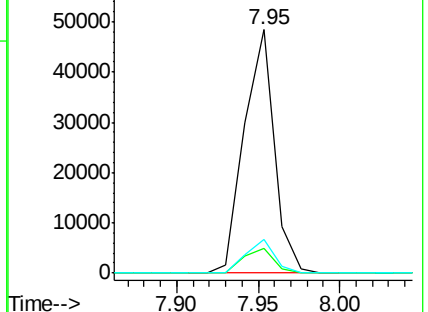
127 14.0 10.7 16.1

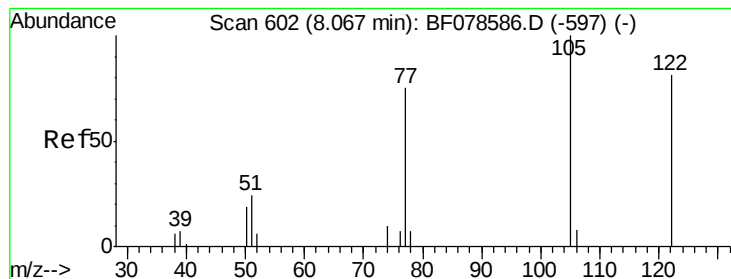


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 13.79 ng

RT: 7.64 min Scan# 565

Delta R.T. -0.02 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampled :

SOIL-PITMSD

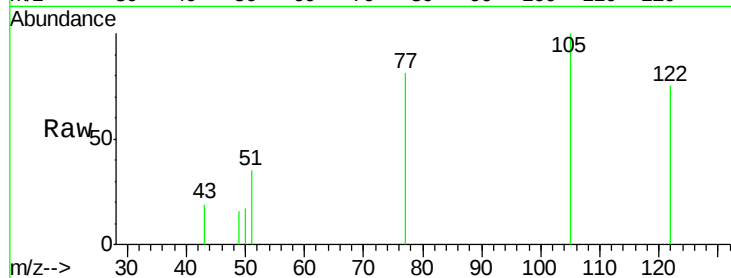
Tot Ion:122 Resp: 6205

Ion Ratio Lower Upper

122 100

105 133.6 96.1 136.1

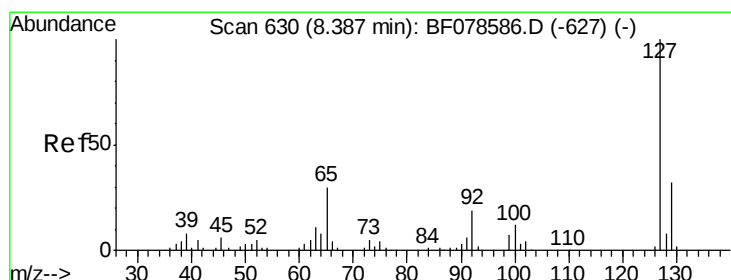
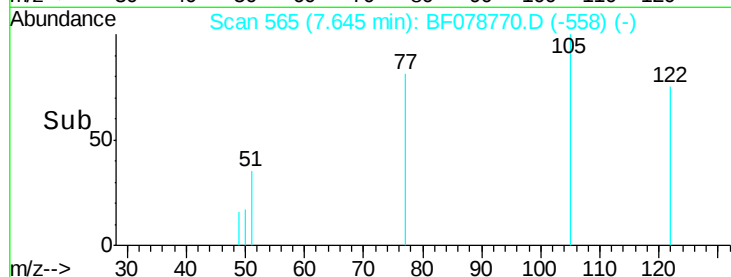
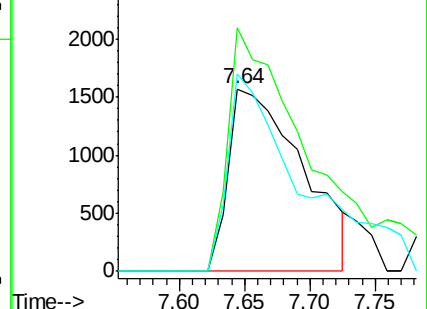
77 108.3 64.1 104.1#



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: 6.92 ng

RT: 8.11 min Scan# 606

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Tgt Ion:127 Resp: 14181

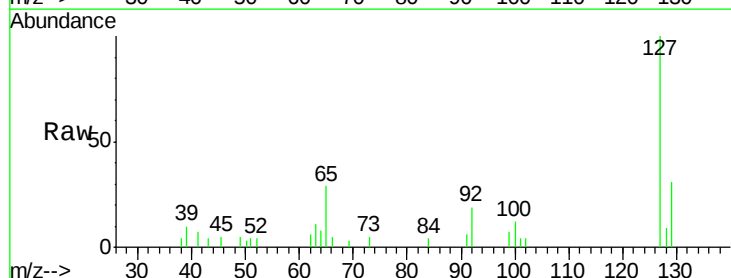
Ion Ratio Lower Upper

127 100

129 31.2 25.5 38.3

65 29.2 21.7 32.5

92 19.2 14.6 21.8

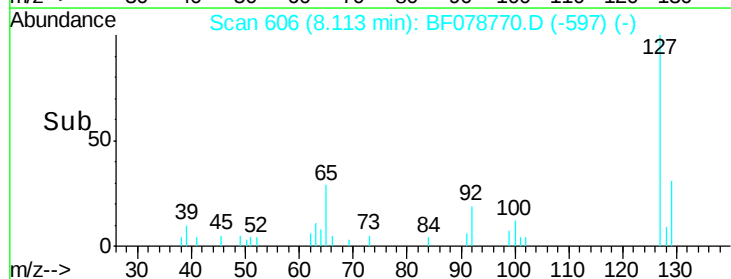
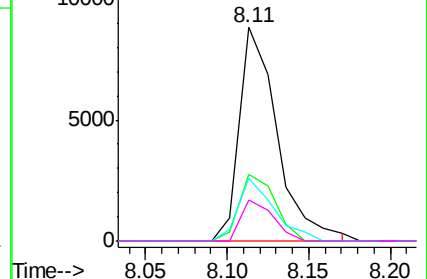


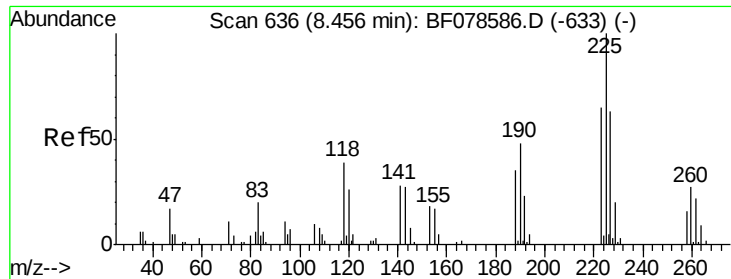
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

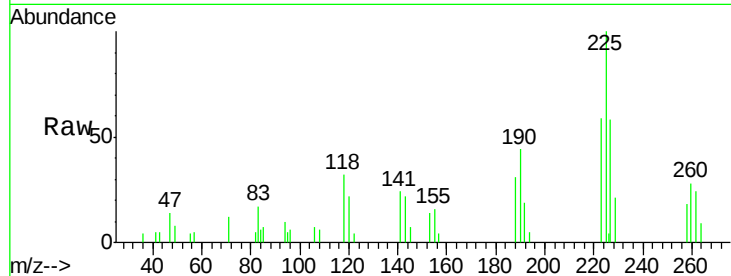




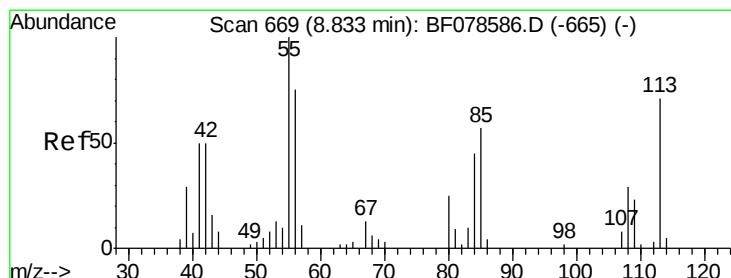
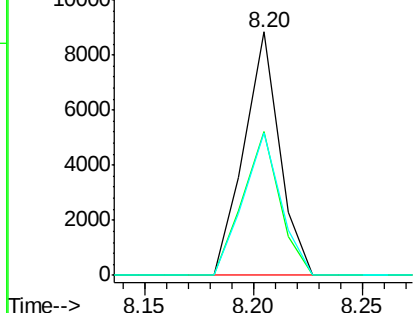
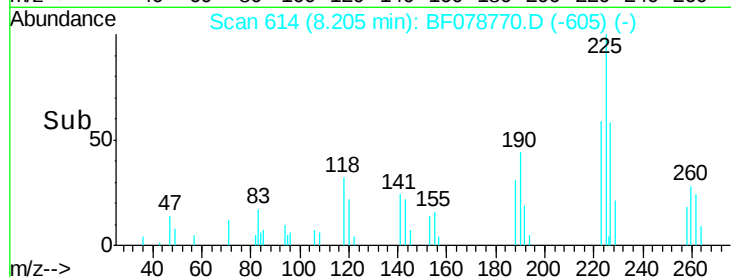
#34
Hexachlorobutadiene
Concen: 12.11 ng
RT: 8.20 min Scan# 614
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

Tot Ion:225 Resp: 10062
Ion Ratio Lower Upper
225 100
223 59.2 47.5 71.3
227 58.3 50.2 75.2

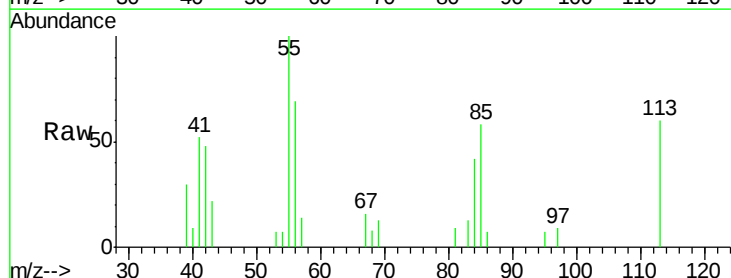


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

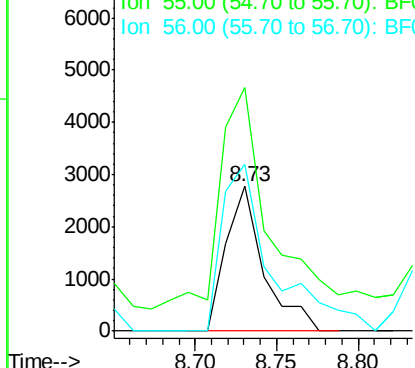
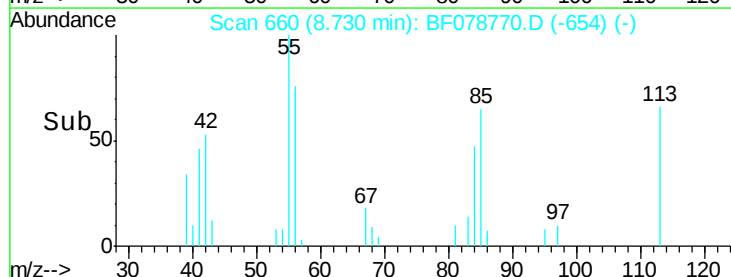


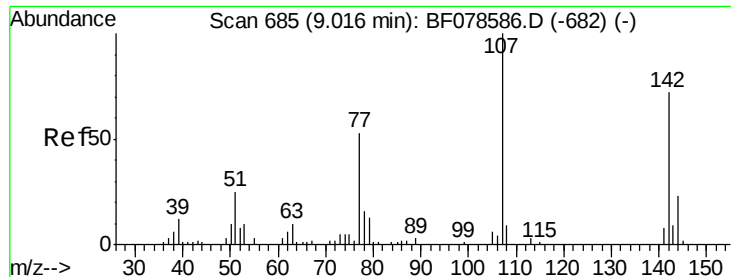
#35
Caprolactam
Concen: 11.21 ng
RT: 8.73 min Scan# 660
Delta R.T. -0.03 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion:113 Resp: 4413
Ion Ratio Lower Upper
113 100
55 167.9 151.9 191.9
56 115.0 106.1 146.1



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

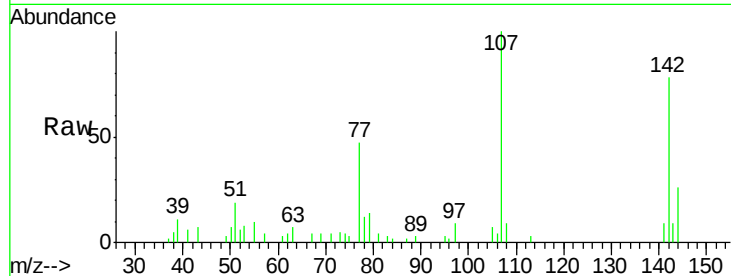




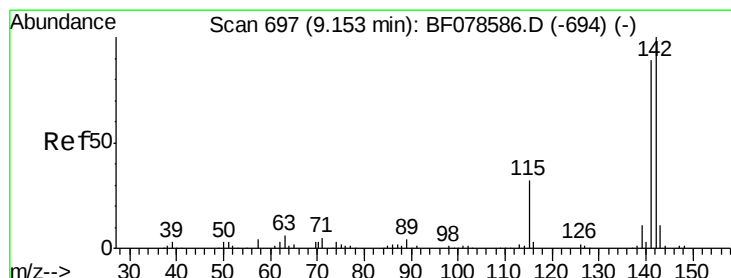
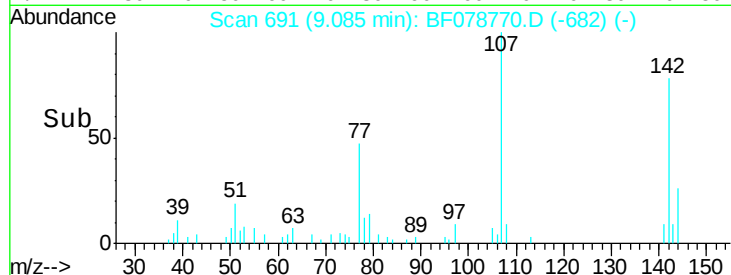
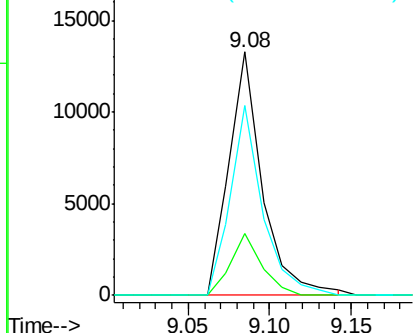
#36
 4-Chloro-3-methylphenol
 Concen: 14.15 ng
 RT: 9.08 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PITMSD

Tot Ion:107 Resp: 18837
 Ion Ratio Lower Upper
 107 100
 144 25.6 18.2 27.2
 142 77.9 58.0 87.0

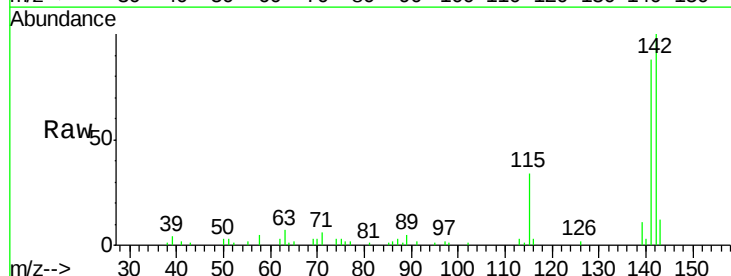


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

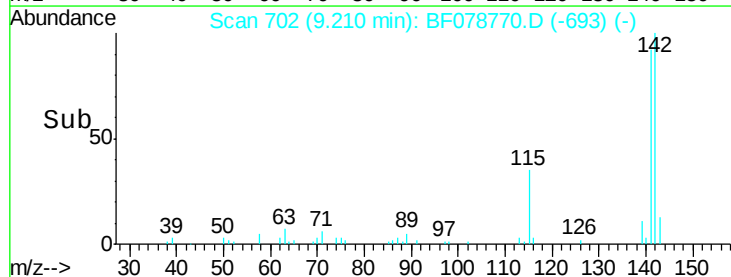
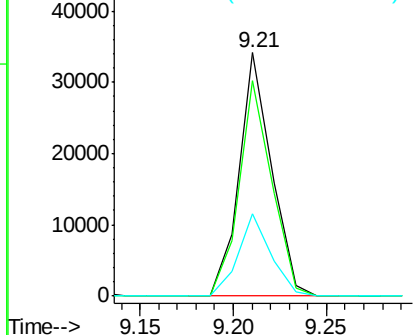


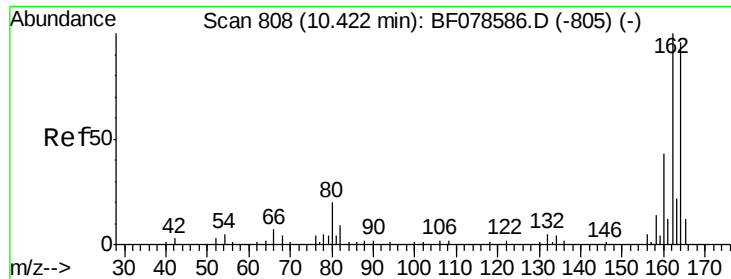
#37
 2-Methylnaphthalene
 Concen: 12.30 ng
 RT: 9.21 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Tgt Ion:142 Resp: 41229
 Ion Ratio Lower Upper
 142 100
 141 88.5 70.3 105.5
 115 33.9 24.6 37.0



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

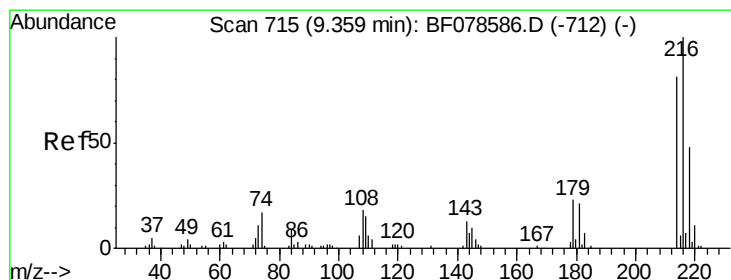
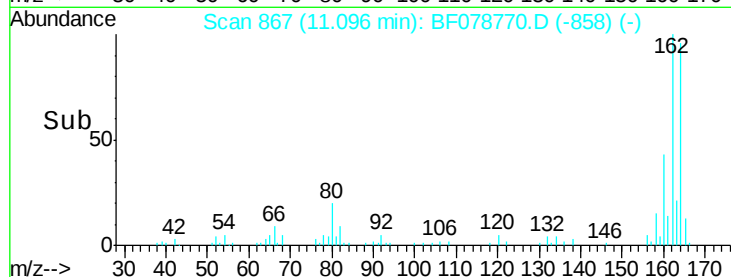
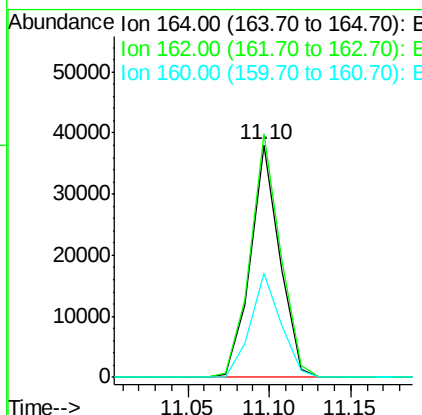
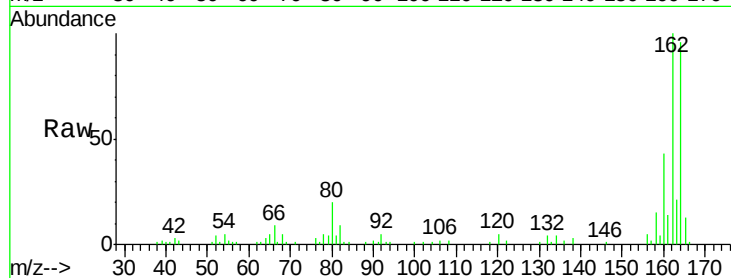




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

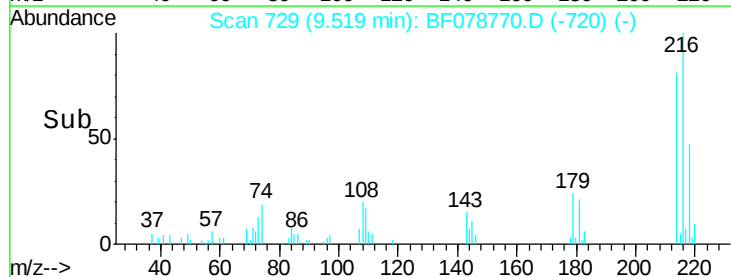
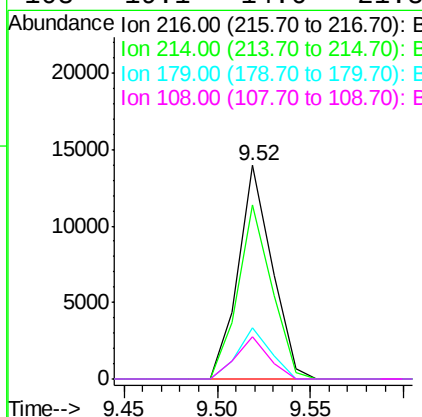
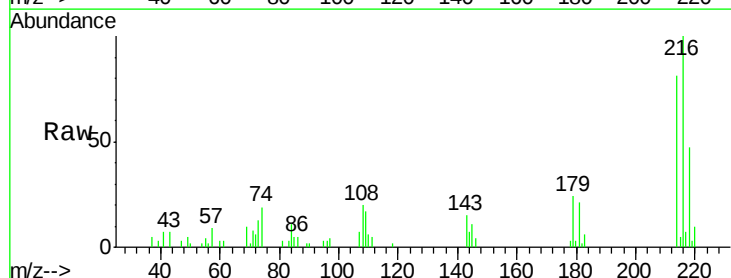
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PITMSD

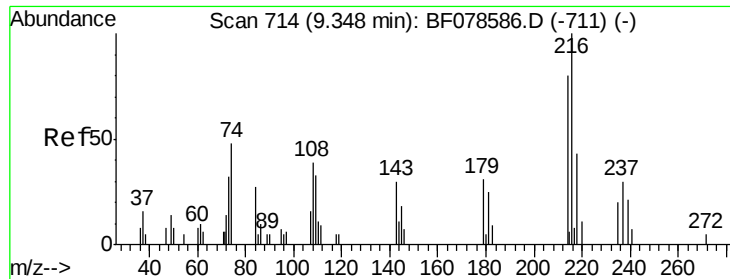
Tot Ion:164 Resp: 47453
 Ion Ratio Lower Upper
 164 100
 162 104.7 82.2 123.2
 160 44.7 34.7 52.1



#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 12.02 ng
 RT: 9.52 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Tgt Ion:216 Resp: 17668
 Ion Ratio Lower Upper
 216 100
 214 81.1 62.0 93.0
 179 23.4 17.3 25.9
 108 19.1 14.6 21.8

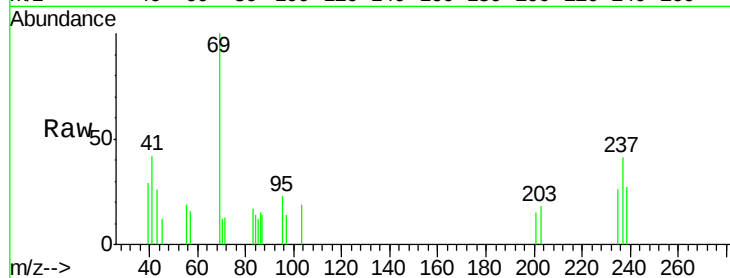




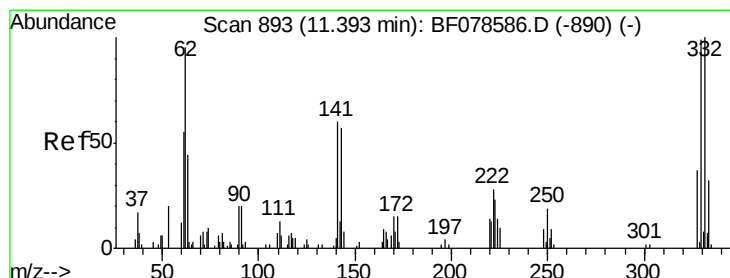
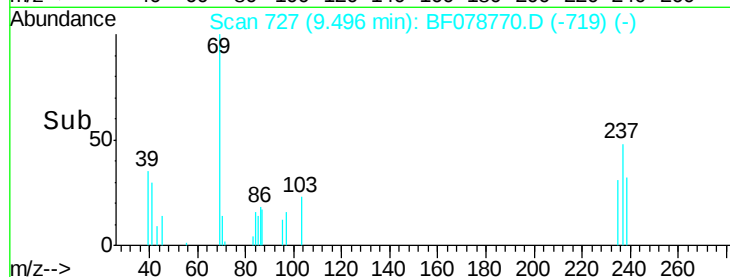
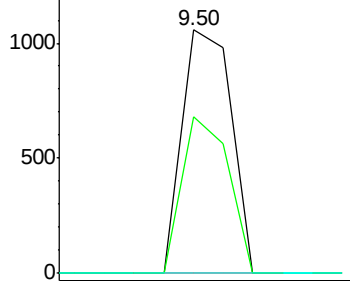
#40
Hexachlorocyclopentadiene
Concen: 8.84 ng
RT: 9.50 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

Tot Ion:237 Resp: 1399
Ion Ratio Lower Upper
237 100
235 64.4 44.1 84.1
272 0.0 0.0 34.4

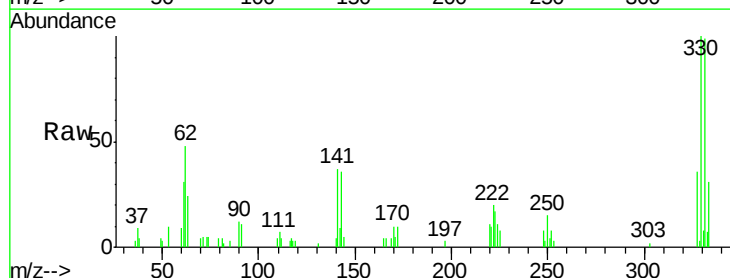


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

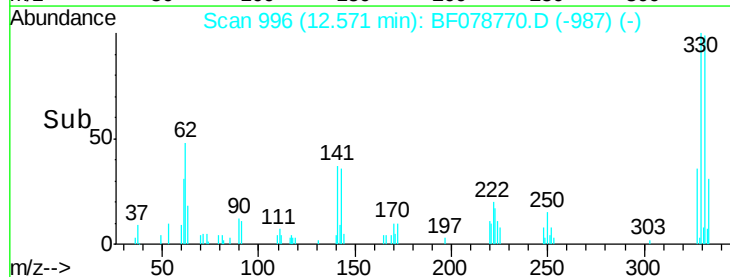
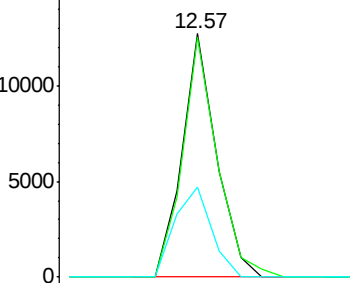


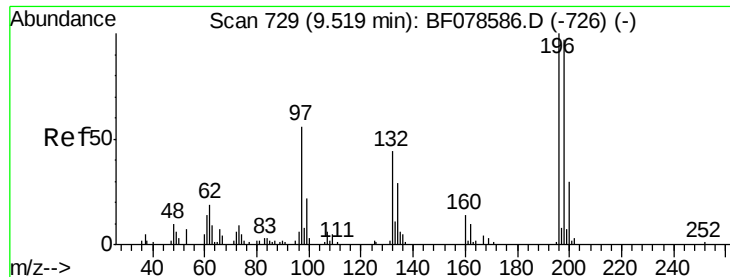
#41
2,4,6-Tribromophenol
Concen: 41.35 ng
RT: 12.57 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion:330 Resp: 16274
Ion Ratio Lower Upper
330 100
332 99.2 78.6 117.8
141 39.3 31.2 46.8



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: 13.20 ng

RT: 9.78 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

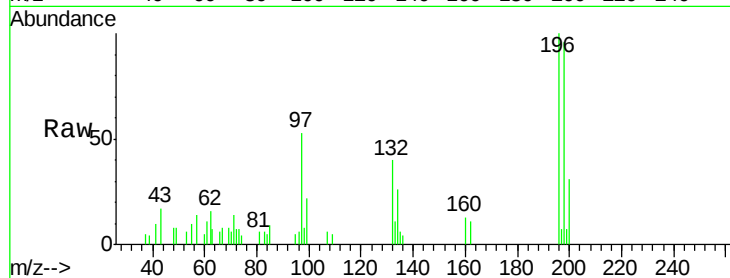
Tot Ion:196 Resp: 12240

Ion Ratio Lower Upper

196 100

198 96.5 75.4 113.2

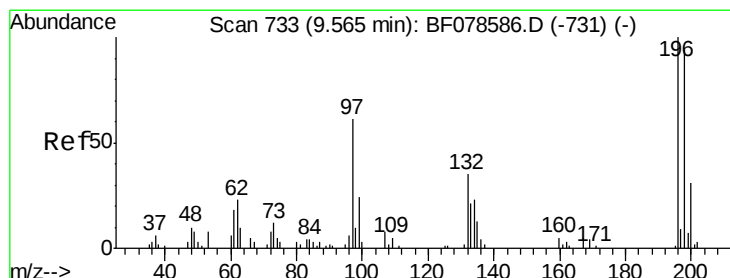
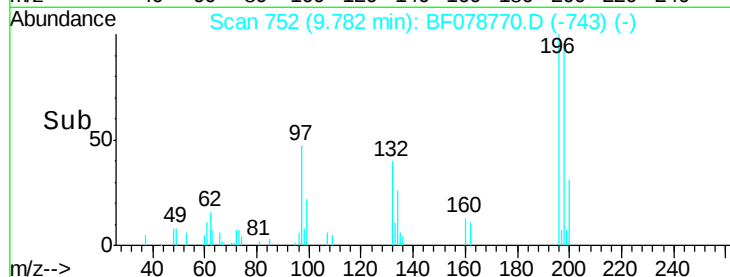
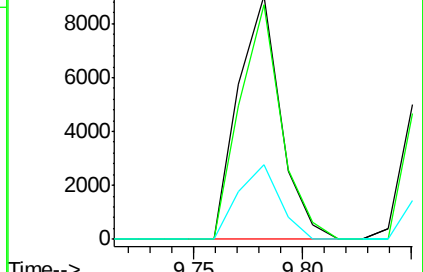
200 30.7 24.0 36.0



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 13.62 ng

RT: 9.86 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Tgt Ion:196 Resp: 13190

Ion Ratio Lower Upper

196 100

198 92.1 76.6 115.0

97 58.0 50.6 75.8

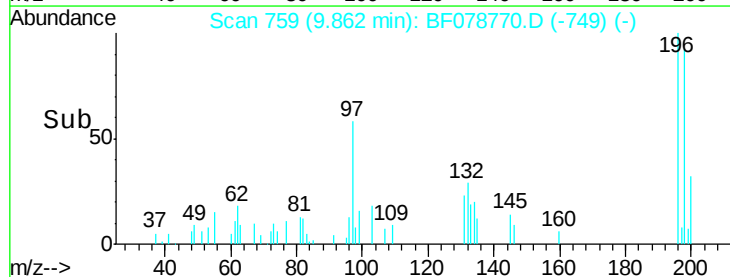
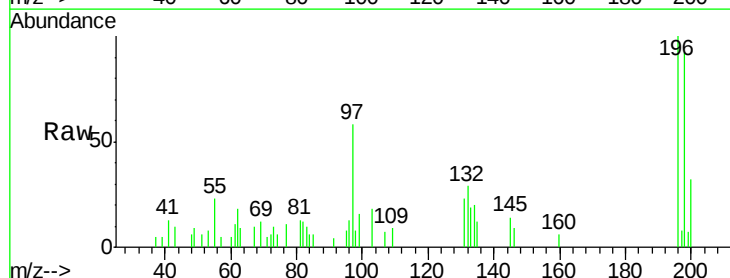
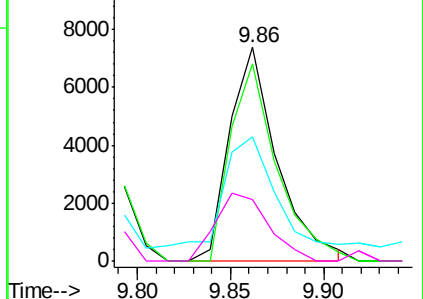
132 28.6 27.7 41.5

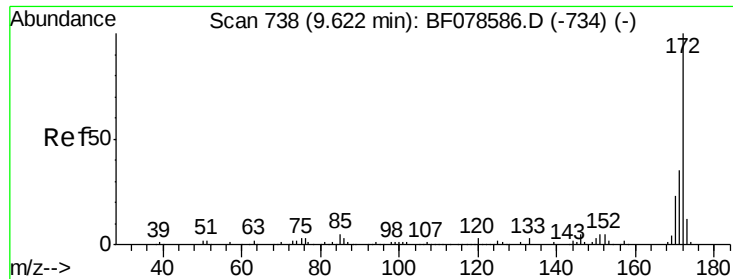
Abundance Ion 196.00 (195.70 to 196.70): E

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

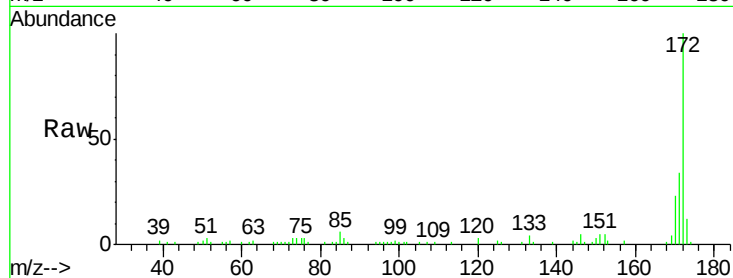




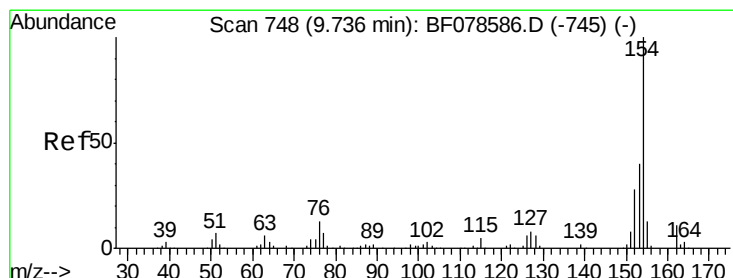
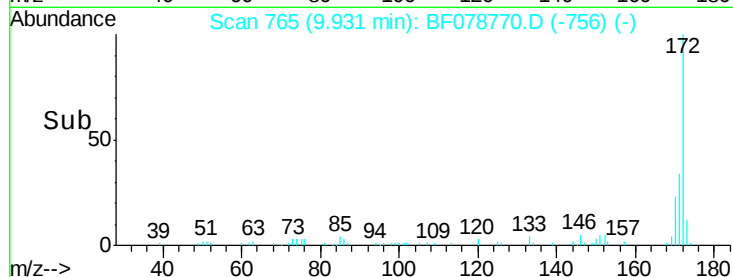
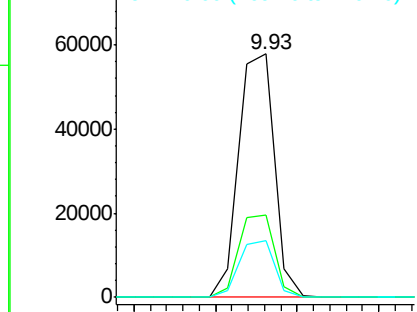
#44
 2-Fluorobiphenyl
 Concen: 26.29 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PITMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.6	42.8
170	23.1	18.5	27.7

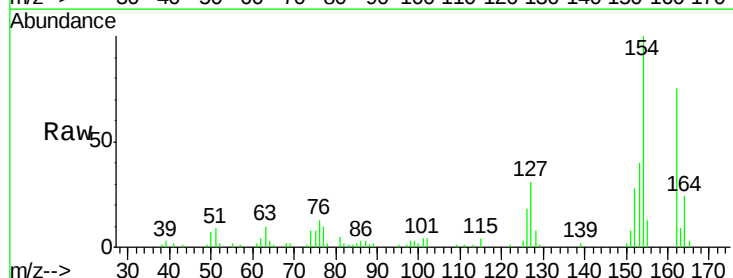


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

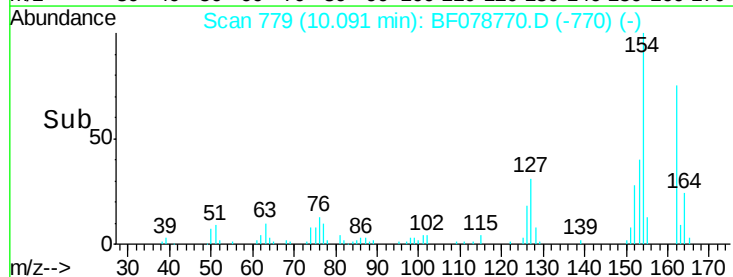
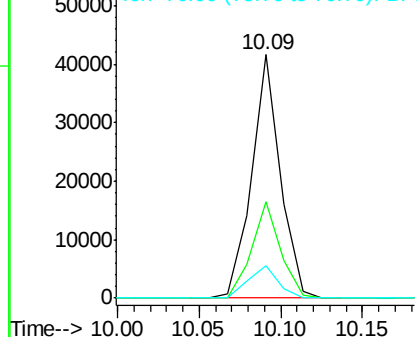


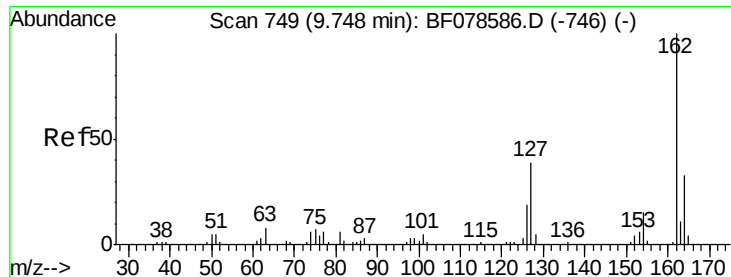
#45
 1,1'-Biphenyl
 Concen: 13.03 ng
 RT: 10.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.0	60.0
76	13.4	0.0	30.6



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

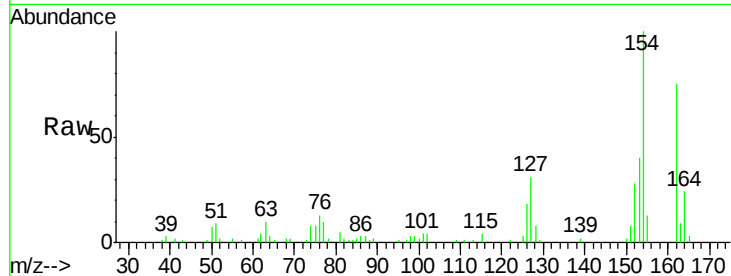




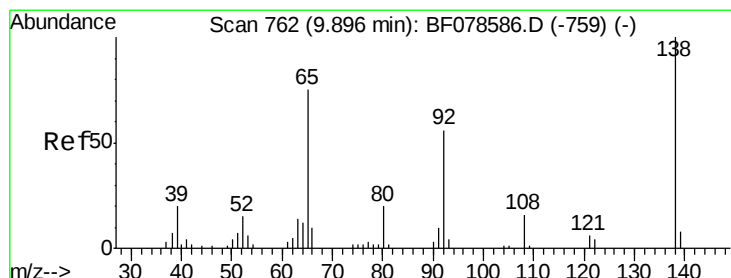
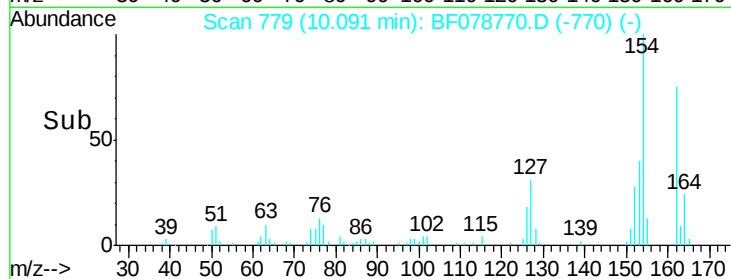
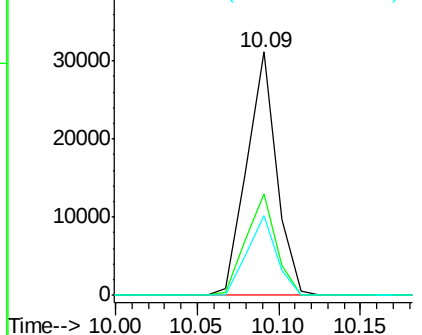
#46
 2-Chloronaphthalene
 Concen: 12.94 ng
 RT: 10.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PITMSD

Tot Ion:162 Resp: 39530
 Ion Ratio Lower Upper
 162 100
 127 41.8 32.6 49.0
 164 32.7 26.0 39.0

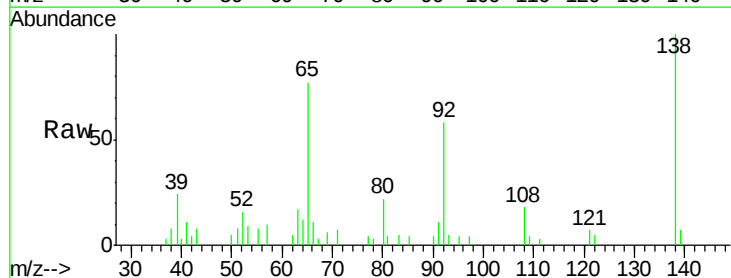


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

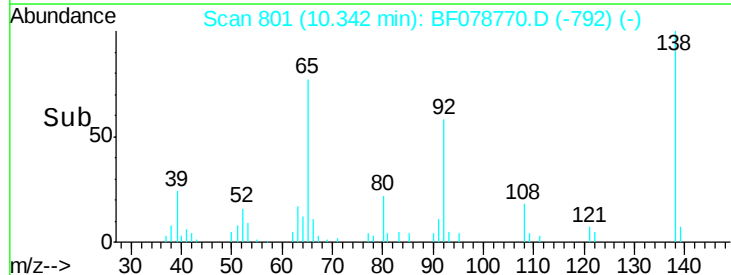
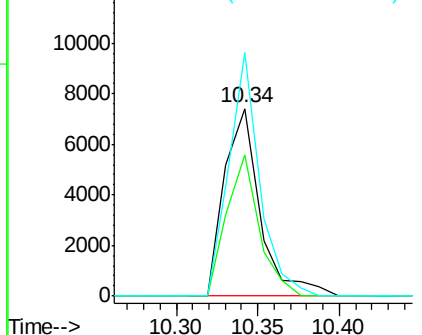


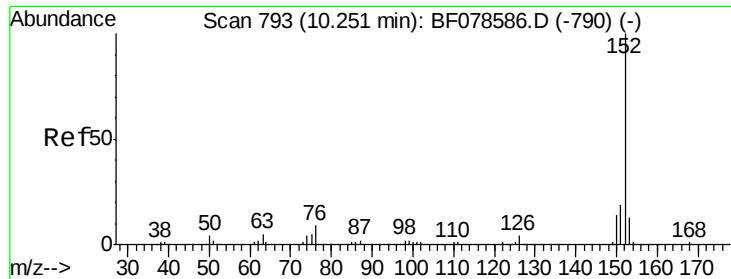
#47
 2-Nitroaniline
 Concen: 14.82 ng
 RT: 10.34 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Tgt Ion: 65 Resp: 11197
 Ion Ratio Lower Upper
 65 100
 92 75.6 51.3 76.9
 138 129.9 70.4 105.6#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 13.14 ng

RT: 10.83 min Scan# 844

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

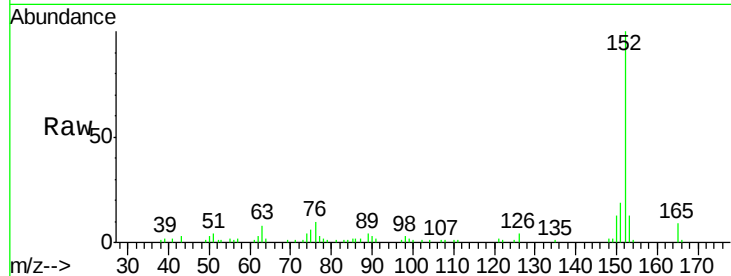
Tot Ion:152 Resp: 64777

Ion Ratio Lower Upper

152 100

151 19.2 15.7 23.5

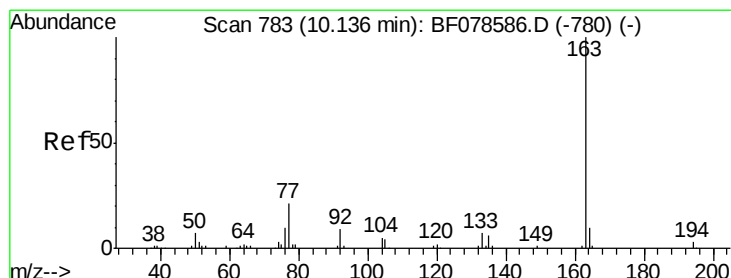
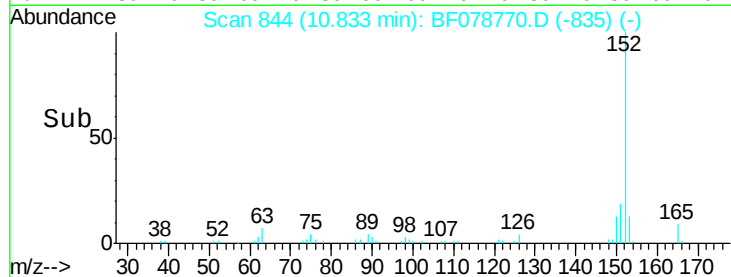
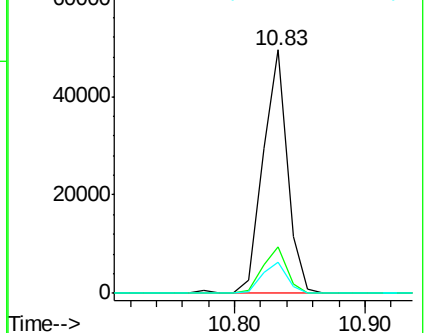
153 12.9 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 13.05 ng

RT: 10.73 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

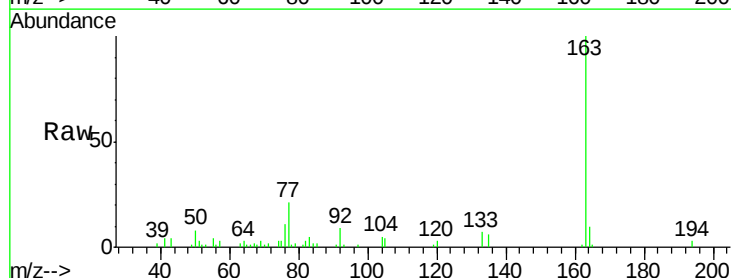
Tgt Ion:163 Resp: 46531

Ion Ratio Lower Upper

163 100

194 3.1 2.3 3.5

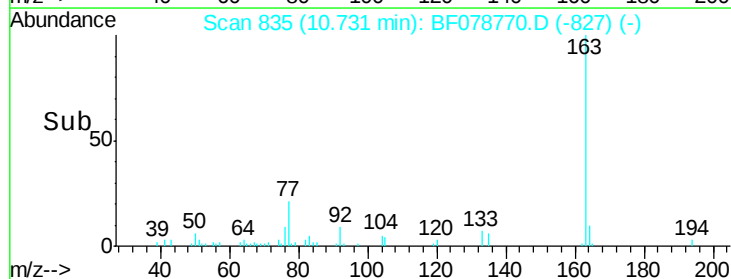
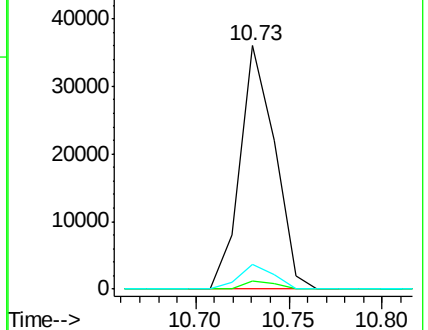
164 10.3 8.6 13.0

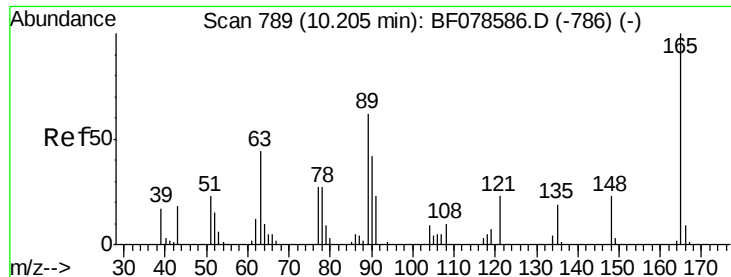


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

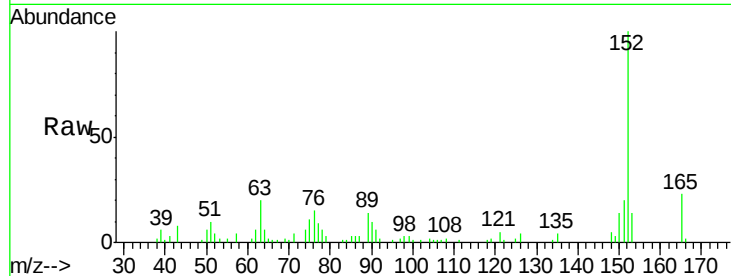




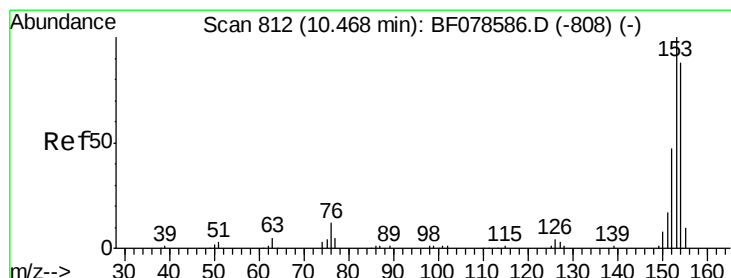
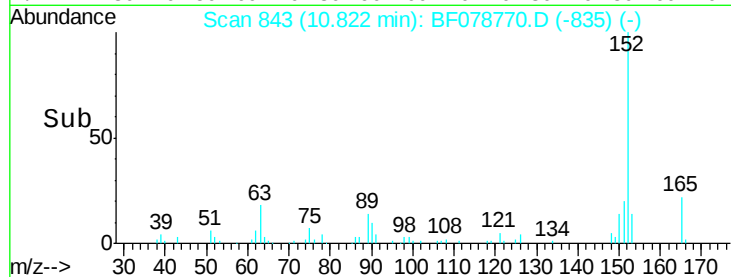
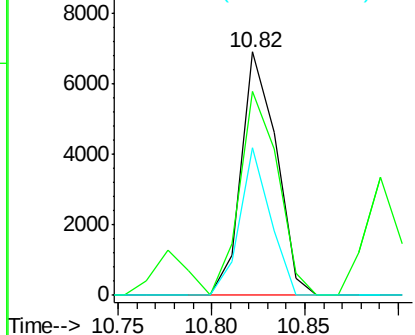
#50
2,6-Dinitrotoluene
Concen: 12.30 ng
RT: 10.82 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

Tot Ion:165 Resp: 9024
Ion Ratio Lower Upper
165 100
63 83.6 24.1 36.1#
89 60.4 28.9 43.3#

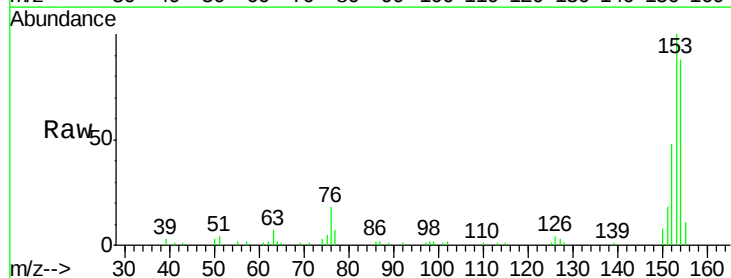


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

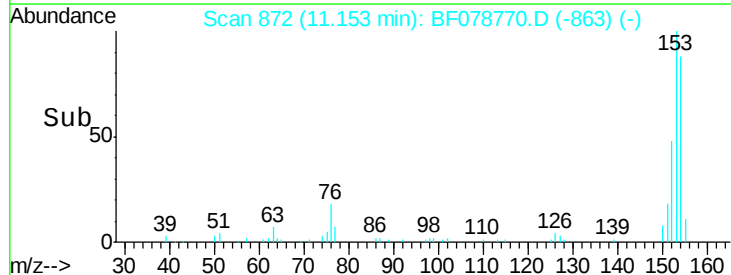
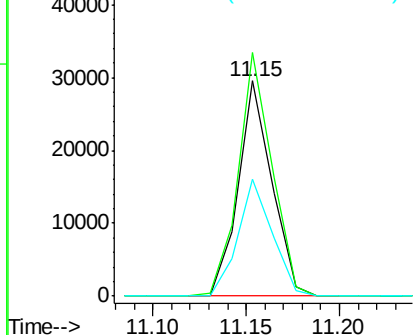


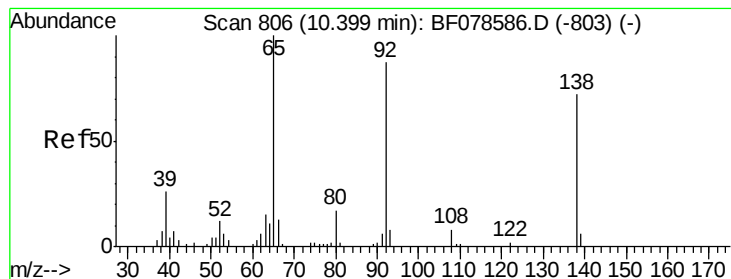
#51
Acenaphthene
Concen: 13.23 ng
RT: 11.15 min Scan# 872
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion:154 Resp: 36741
Ion Ratio Lower Upper
154 100
153 113.2 91.4 137.2
152 54.1 43.0 64.6



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: 11.37 ng

RT: 11.11 min Scan# 868

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

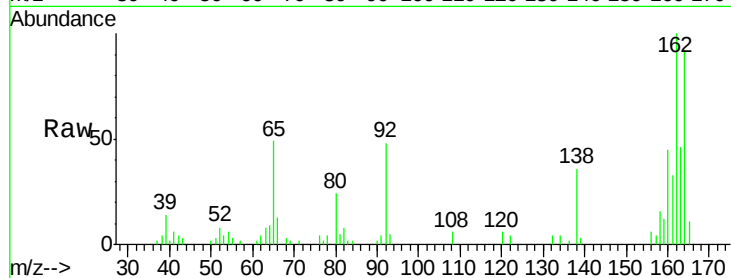
Tot Ion:138 Resp: 9480

Ion Ratio Lower Upper

138 100

108 16.6 8.2 12.4#

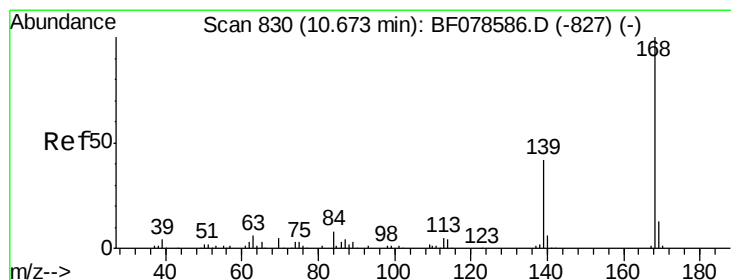
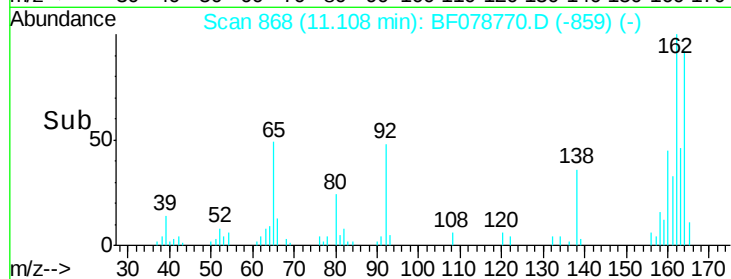
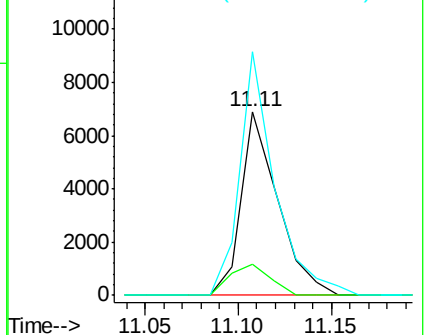
92 132.6 88.4 132.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#54

Dibenzofuran

Concen: 13.69 ng

RT: 11.48 min Scan# 901

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

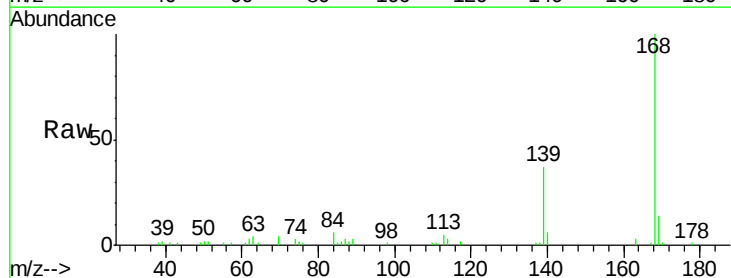
Tgt Ion:168 Resp: 58075

Ion Ratio Lower Upper

168 100

139 37.2 31.0 46.4

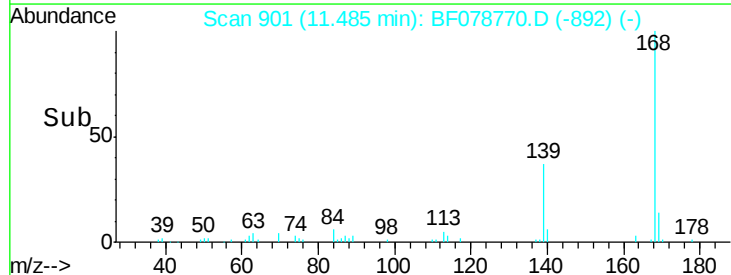
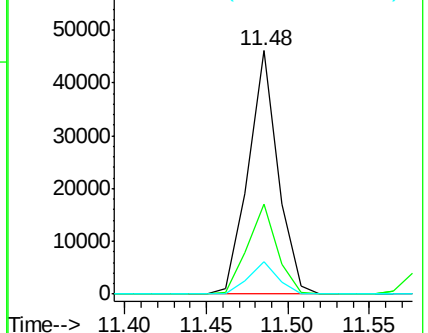
169 13.5 10.7 16.1

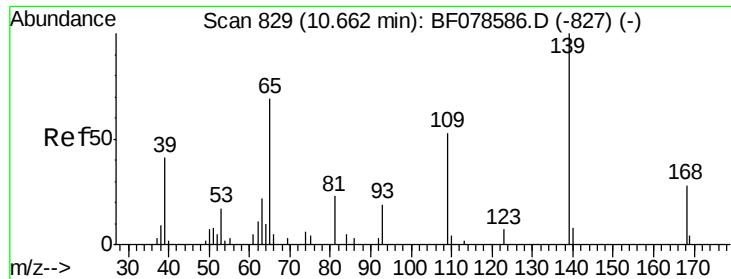


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

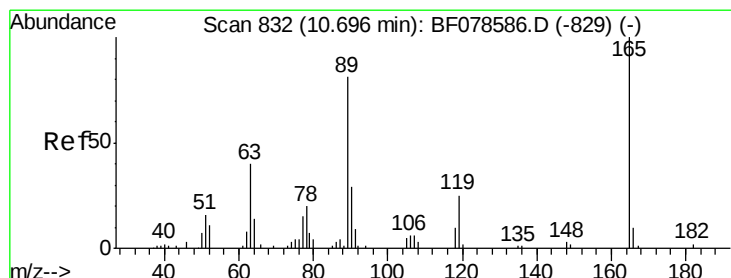
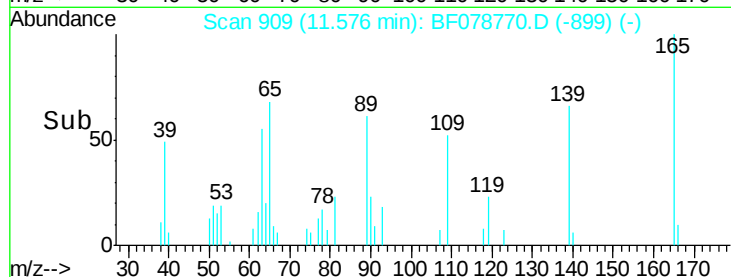
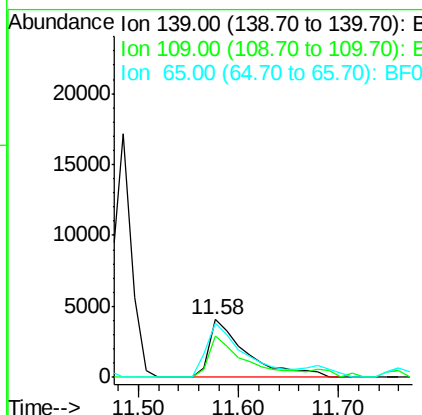
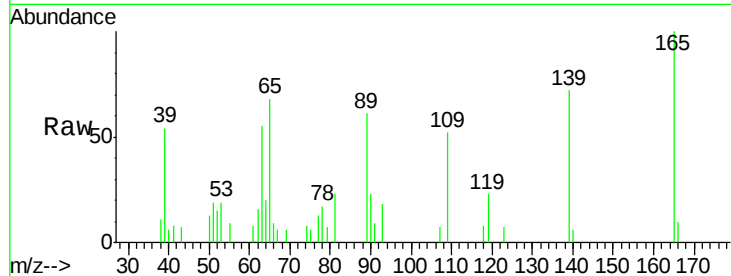




#55
4-Nitrophenol
Concen: 19.49 ng/mL
RT: 11.58 min Scan# 909
Delta R.T. 0.01 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

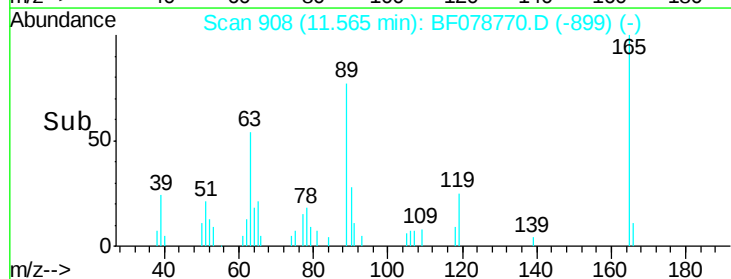
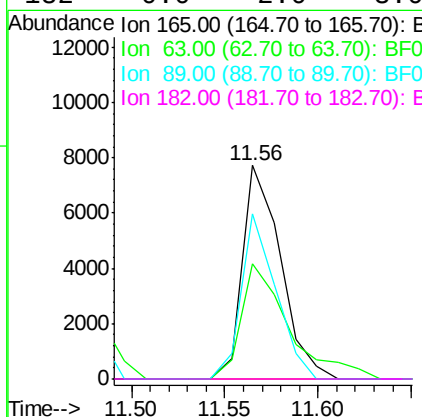
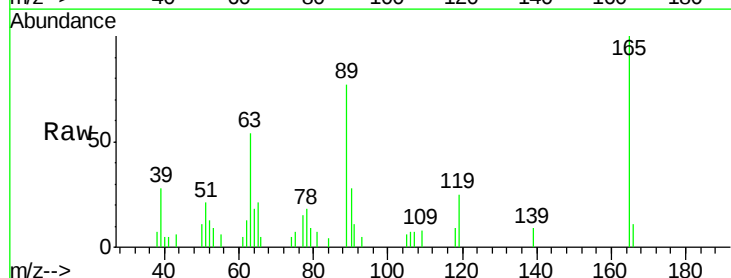
Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

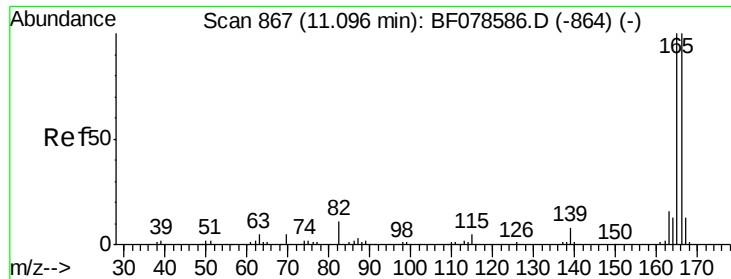
Tot Ion:139 Resp: 10638
Ion Ratio Lower Upper
139 100
109 72.3 36.7 76.7
65 93.7 49.9 89.9#



#56
2,4-Dinitrotoluene
Concen: 11.58 ng
RT: 11.56 min Scan# 908
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion:165 Resp: 11000
Ion Ratio Lower Upper
165 100
63 54.1 26.5 39.7#
89 77.3 46.4 69.6#
182 0.0 2.0 3.0#

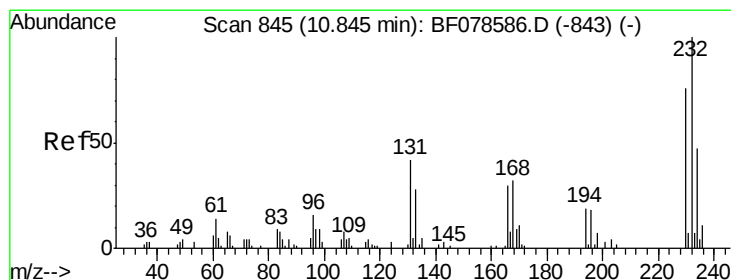
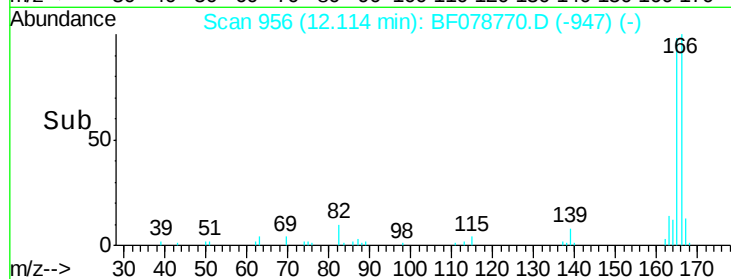
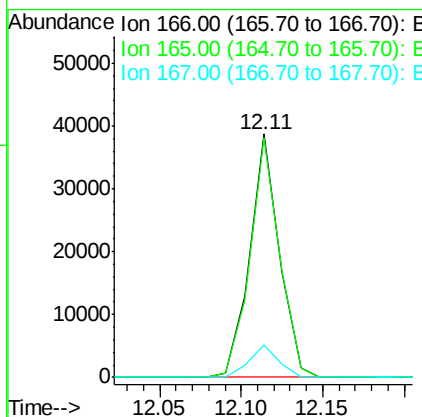
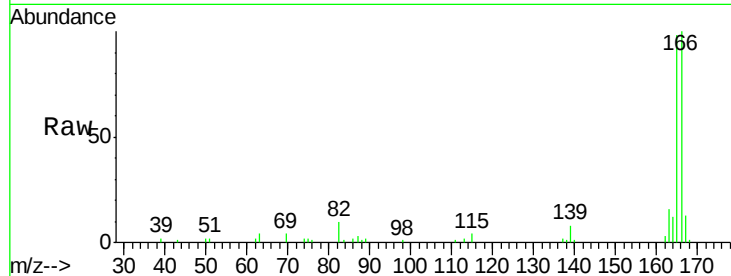




#57
Fluorene
 Concen: 14.08 ng
 RT: 12.11 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

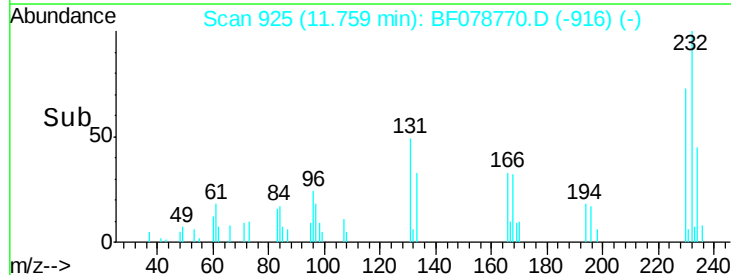
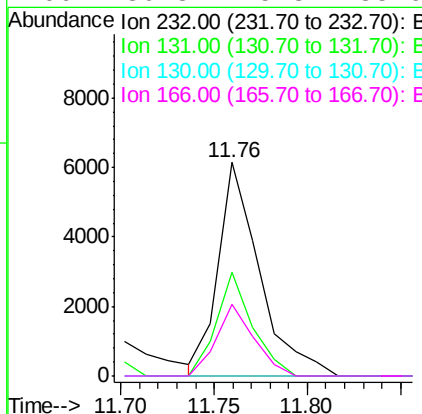
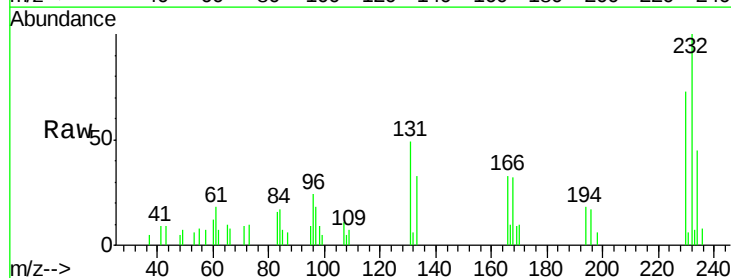
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PITMSD

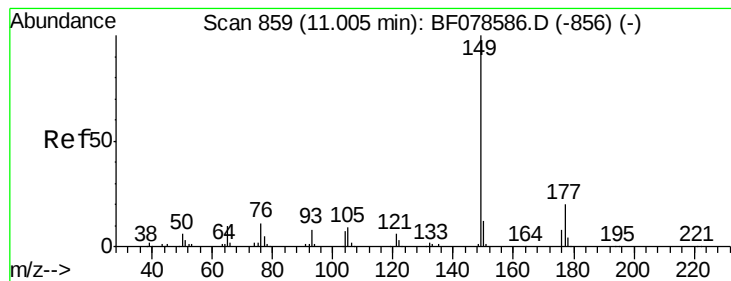
Tot Ion:166 Resp: 48404
 Ion Ratio Lower Upper
 166 100
 165 98.2 78.9 118.3
 167 13.5 10.7 16.1



#58
2,3,4,6-Tetrachlorophenol
 Concen: 13.28 ng
 RT: 11.76 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Tgt Ion:232 Resp: 9535
 Ion Ratio Lower Upper
 232 100
 131 42.3 37.8 56.8
 130 0.0 1.5 2.3#
 166 30.3 25.8 38.6





#59

Diethylphthalate

Concen: 13.49 ng

RT: 12.06 min Scan# 951

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

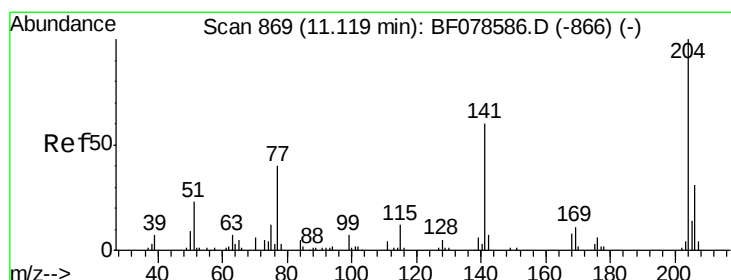
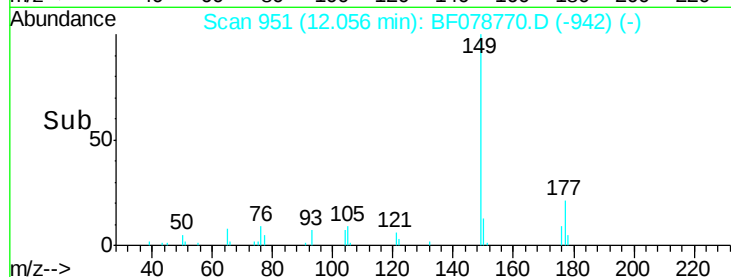
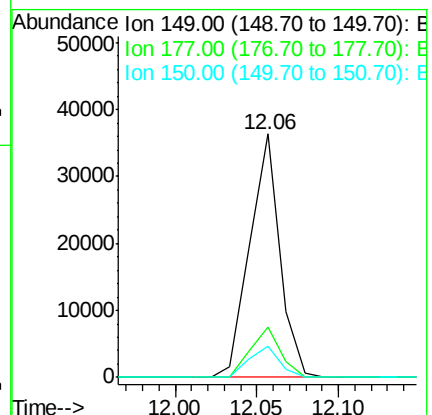
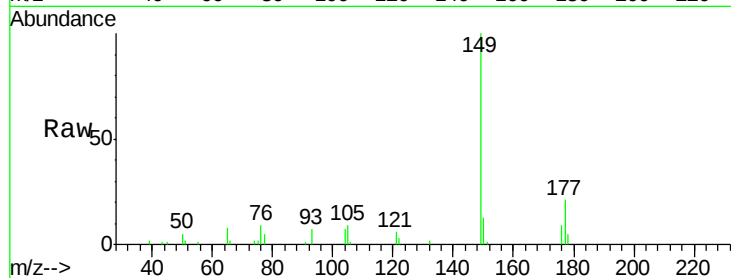
Tot Ion:149 Resp: 46377

Ion Ratio Lower Upper

149 100

177 20.7 17.4 26.2

150 12.6 9.4 14.2



#60

4-Chlorophenyl-phenylether

Concen: 13.66 ng

RT: 12.18 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

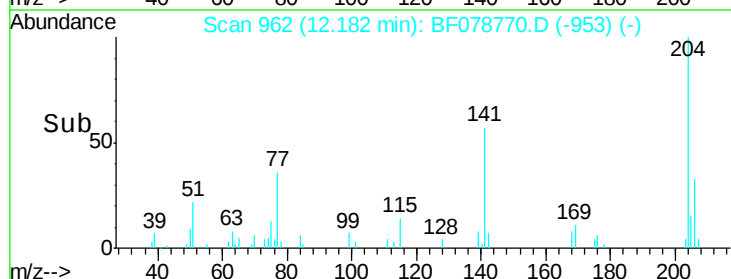
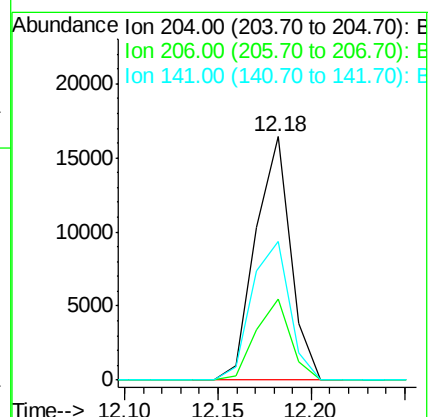
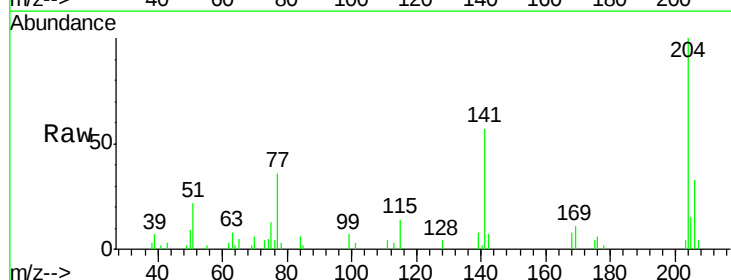
Tgt Ion:204 Resp: 21602

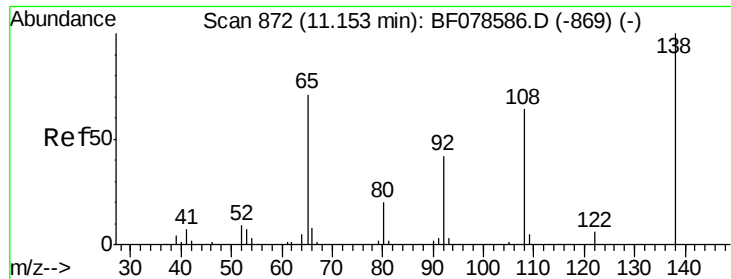
Ion Ratio Lower Upper

204 100

206 33.1 25.6 38.4

141 56.9 35.4 53.0#

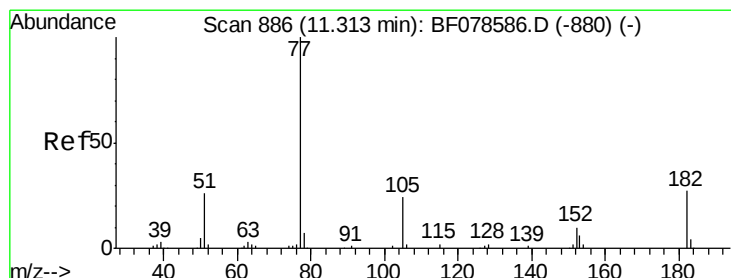
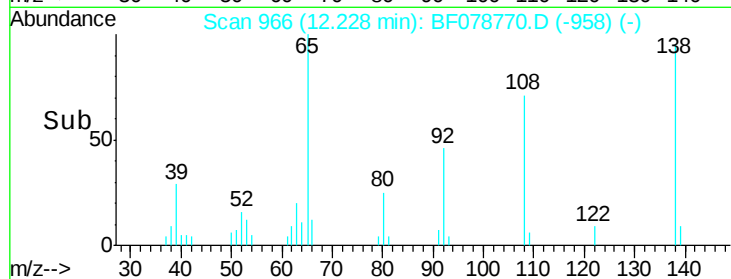
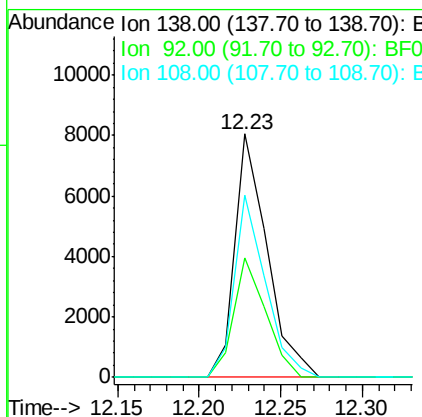
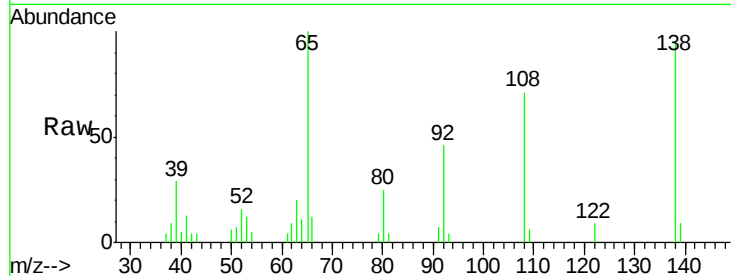




#61
4-Nitroaniline
Concen: 13.10 ng
RT: 12.23 min Scan# 966
Delta R.T. -0.01 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

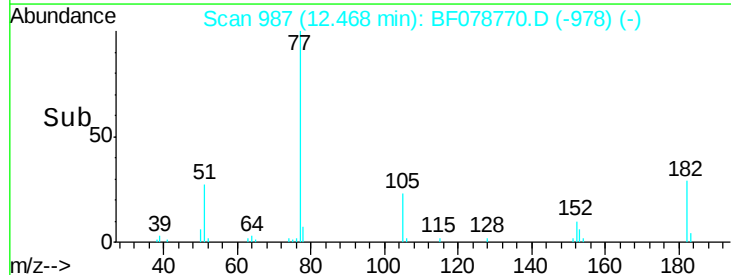
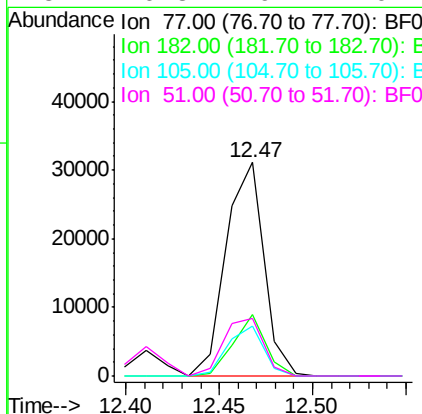
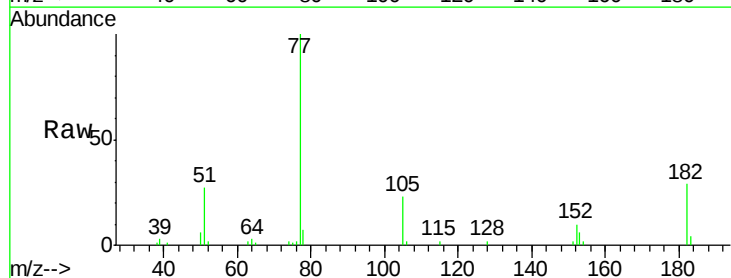
Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

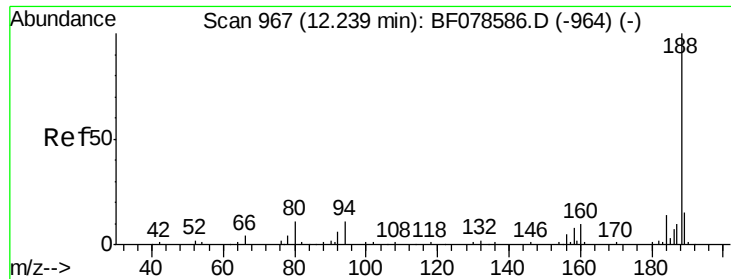
Tot Ion:138 Resp: 11043
Ion Ratio Lower Upper
138 100
92 49.0 27.3 67.3
108 74.9 47.2 87.2



#62
Azobenzene
Concen: 14.08 ng
RT: 12.47 min Scan# 987
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion: 77 Resp: 44166
Ion Ratio Lower Upper
77 100
182 28.8 0.0 36.8
105 23.4 0.3 40.3
51 26.8 9.1 49.1

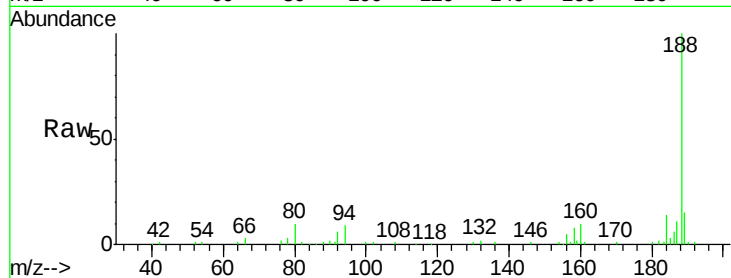




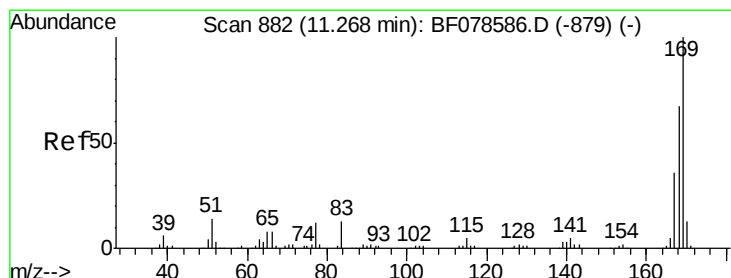
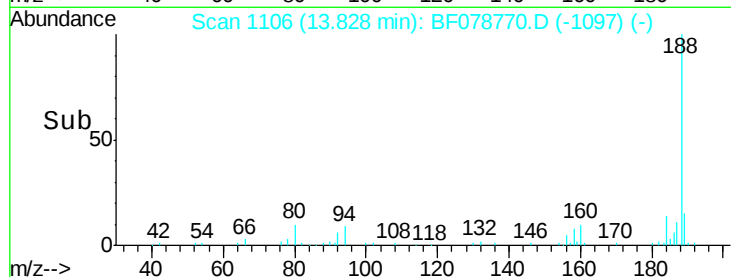
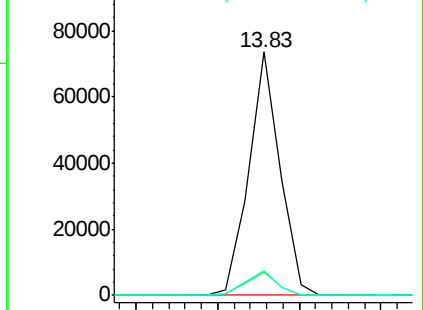
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.83 min Scan# 1106
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

Tot Ion:188 Resp: 97248
Ion Ratio Lower Upper
188 100
94 9.5 9.0 13.4
80 10.1 9.5 14.3

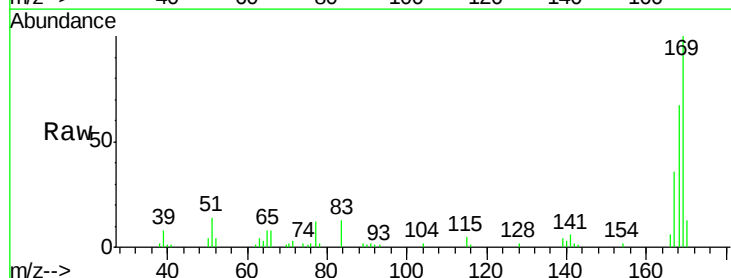


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

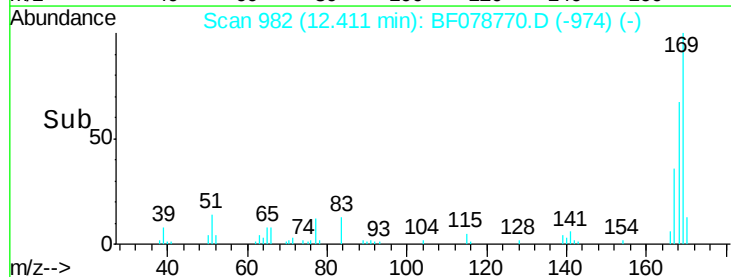
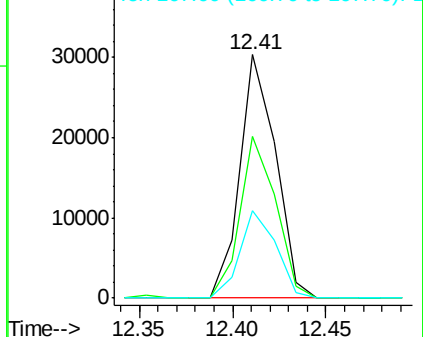


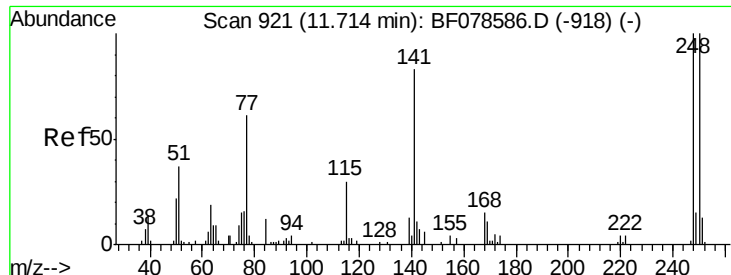
#65
n-Nitrosodiphenylamine
Concen: 12.06 ng
RT: 12.41 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion:169 Resp: 40581
Ion Ratio Lower Upper
169 100
168 66.6 55.0 82.4
167 35.9 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

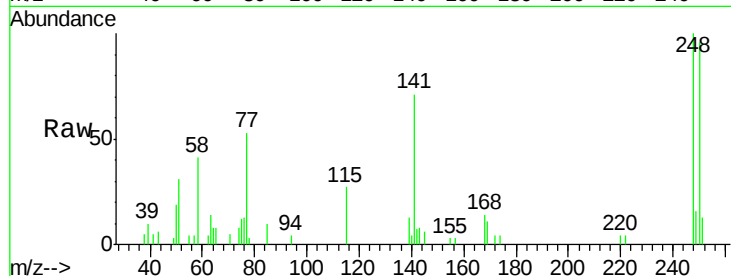




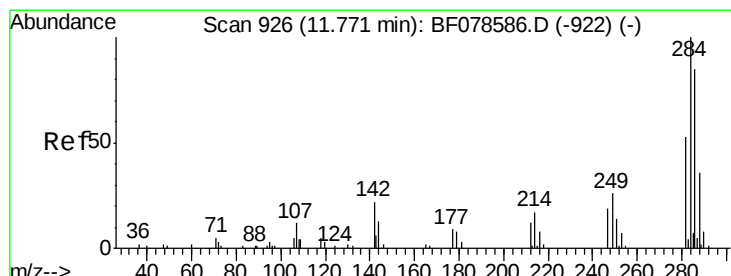
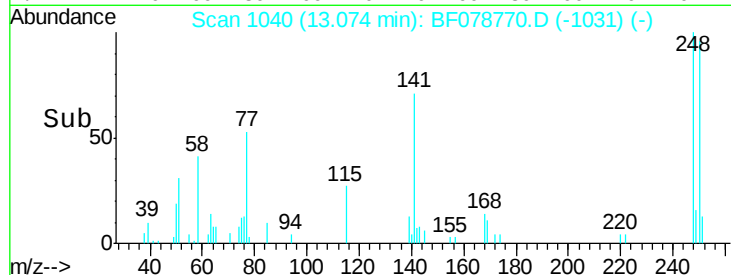
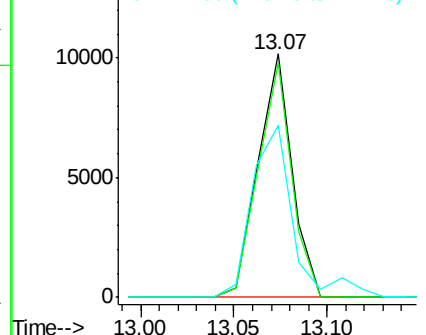
#66
4-Bromophenyl-phenylether
Concen: 12.63 ng
RT: 13.07 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

Tot Ion:248 Resp: 13005
Ion Ratio Lower Upper
248 100
250 96.3 78.2 117.2
141 70.5 66.4 99.6

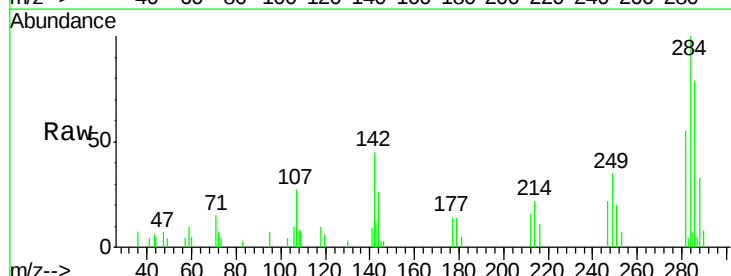


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

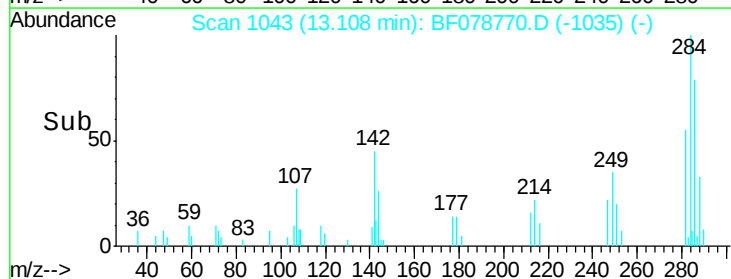
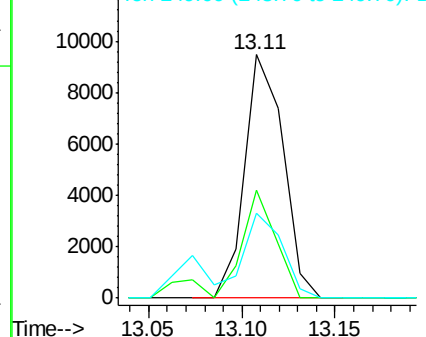


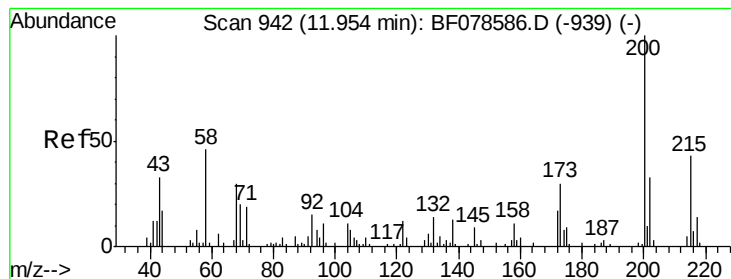
#67
Hexachlorobenzene
Concen: 11.96 ng
RT: 13.11 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion:284 Resp: 13501
Ion Ratio Lower Upper
284 100
142 44.6 24.5 36.7#
249 34.9 24.8 37.2



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: 13.74 ng

RT: 13.49 min Scan# 1076

Delta R.T. -0.01 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

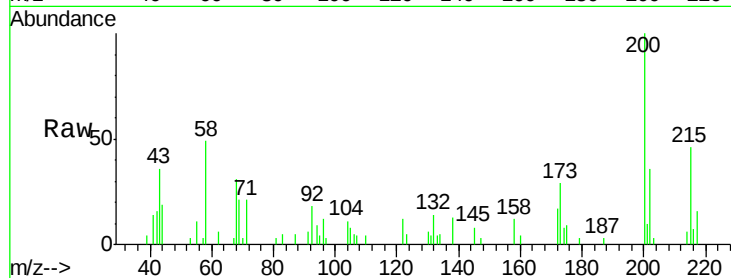
Tot Ion:200 Resp: 13390

Ion Ratio Lower Upper

200 100

173 29.4 6.9 46.9

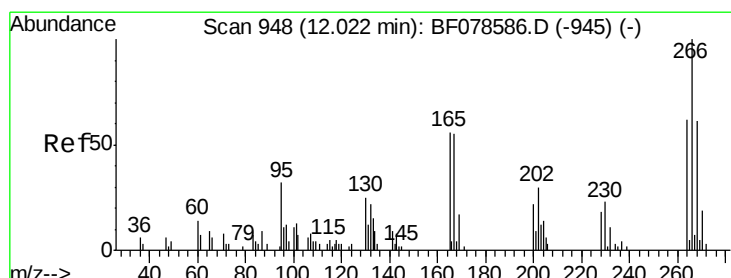
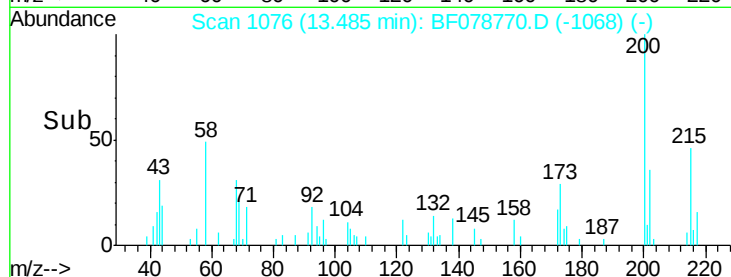
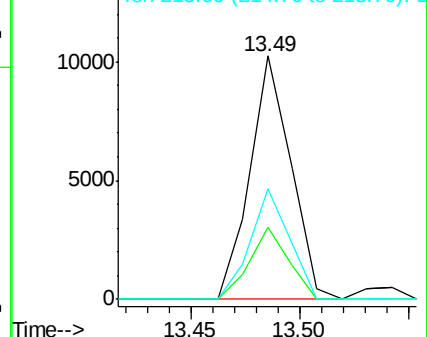
215 45.5 27.1 67.1



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: 17.33 ng

RT: 13.54 min Scan# 1081

Delta R.T. 0.01 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

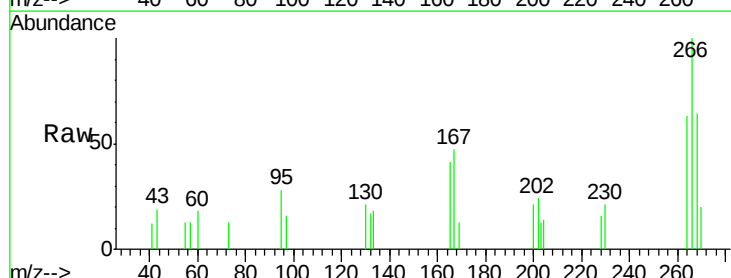
Tgt Ion:266 Resp: 5306

Ion Ratio Lower Upper

266 100

268 64.4 50.1 75.1

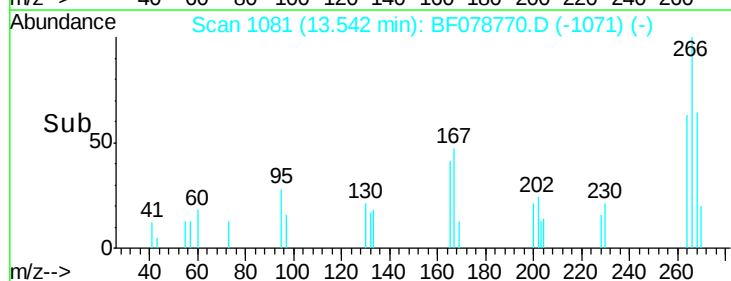
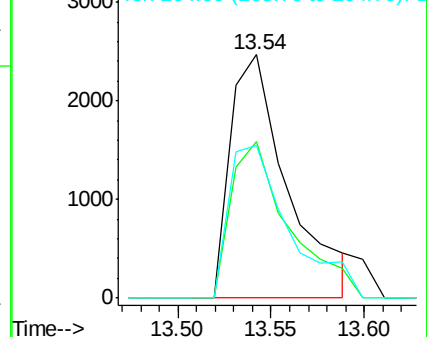
264 62.8 50.0 75.0

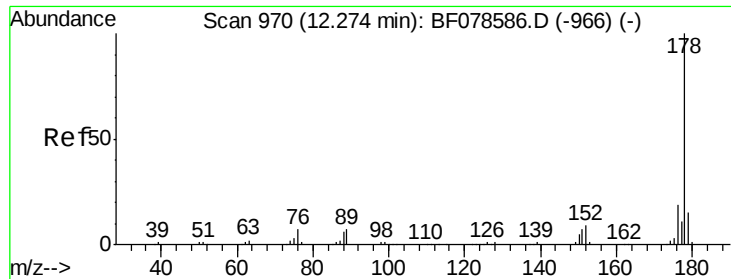


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

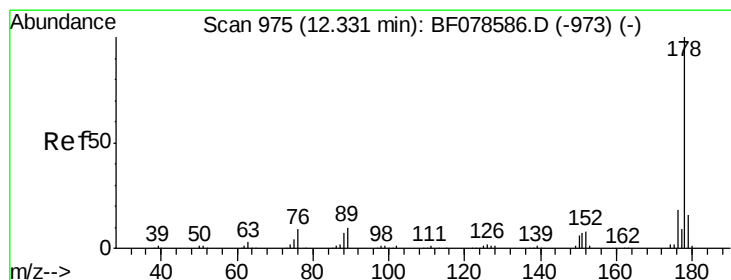
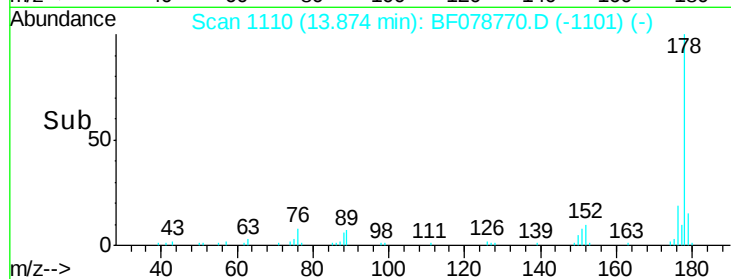
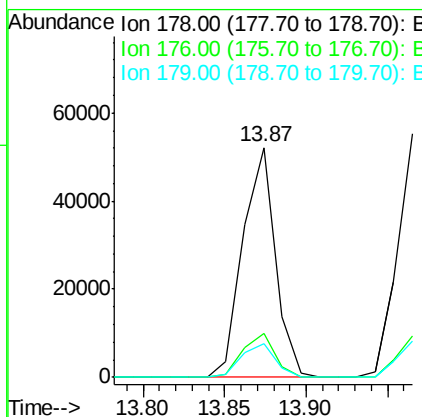
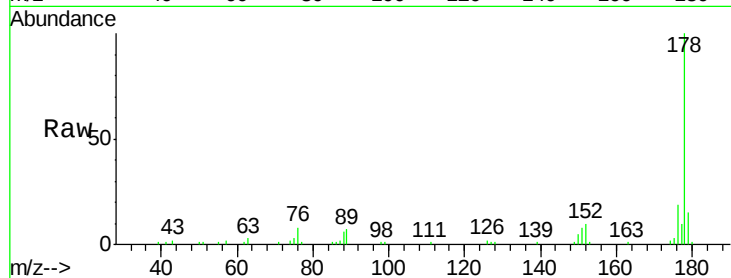




#70
Phenanthrene
Concen: 12.80 ng
RT: 13.87 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

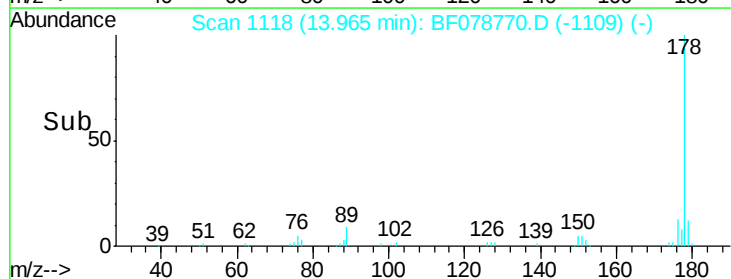
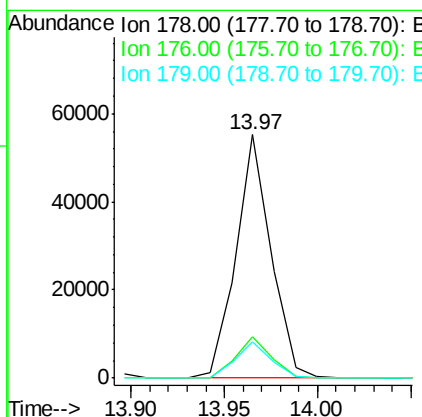
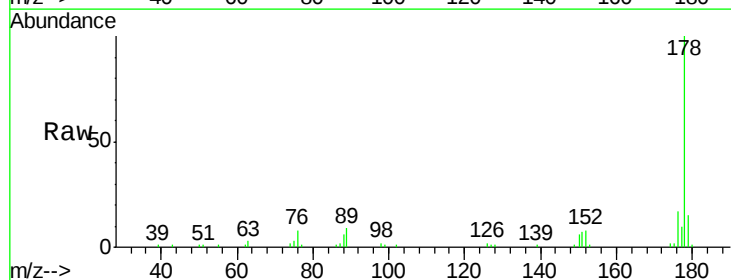
Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

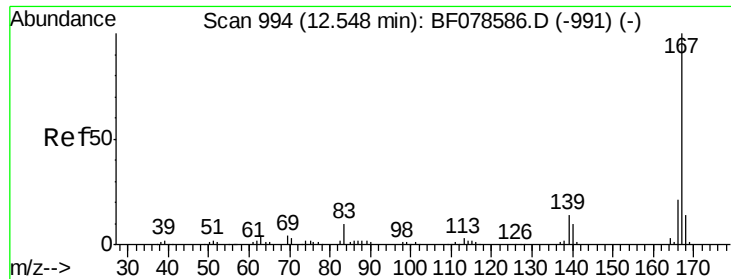
Tot Ion:178 Resp: 72026
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 14.6 12.2 18.2



#71
Anthracene
Concen: 13.01 ng
RT: 13.97 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion:178 Resp: 72141
Ion Ratio Lower Upper
178 100
176 17.1 14.8 22.2
179 14.7 12.4 18.6

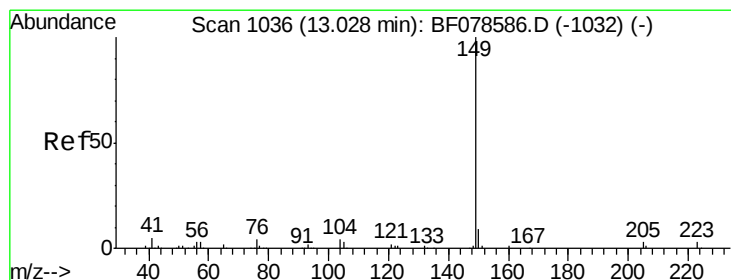
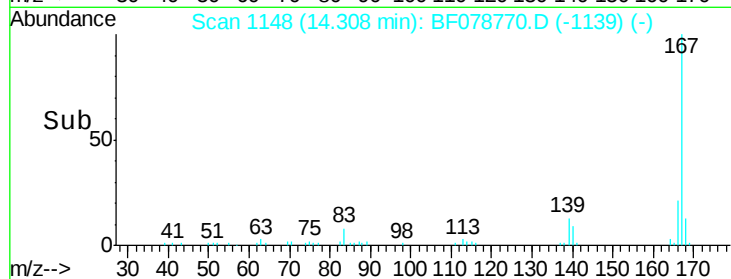
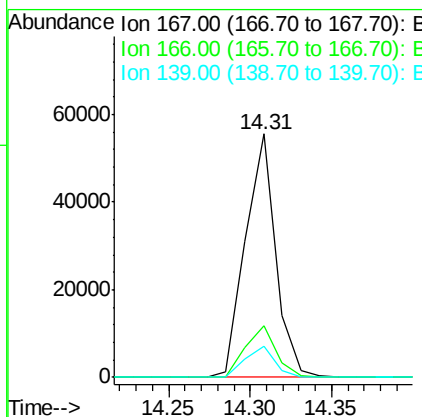
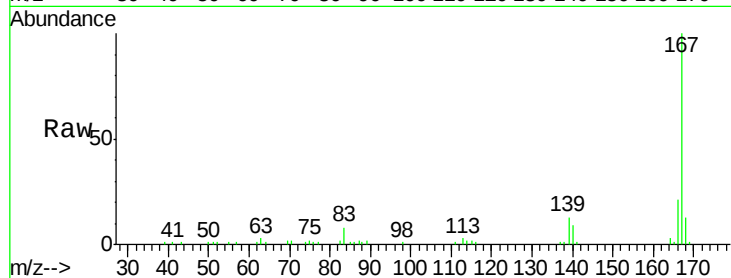




#72
 Carbazole
 Concen: 13.74 ng
 RT: 14.31 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

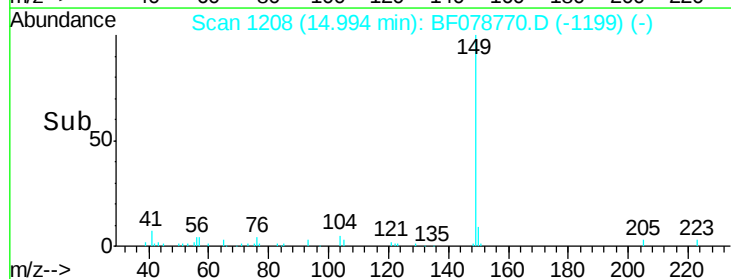
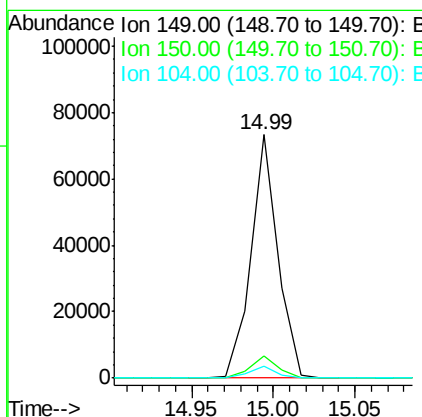
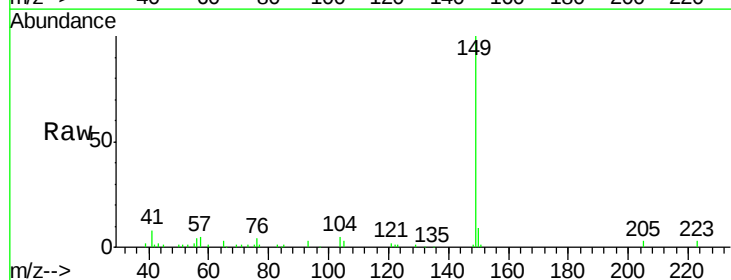
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PITMSD

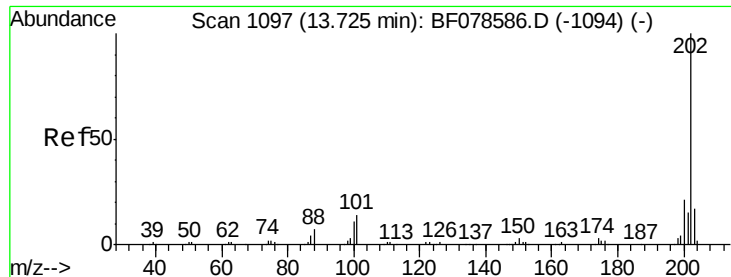
Tot Ion:167 Resp: 71374
 Ion Ratio Lower Upper
 167 100
 166 21.2 16.8 25.2
 139 12.6 10.0 15.0



#73
 Di-n-butylphthalate
 Concen: 14.26 ng
 RT: 14.99 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Tgt Ion:149 Resp: 83891
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.1 10.7
 104 4.8 3.8 5.6

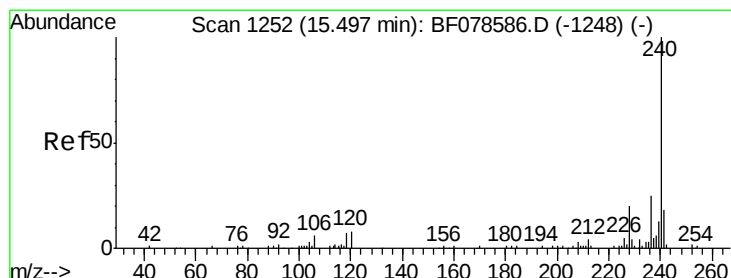
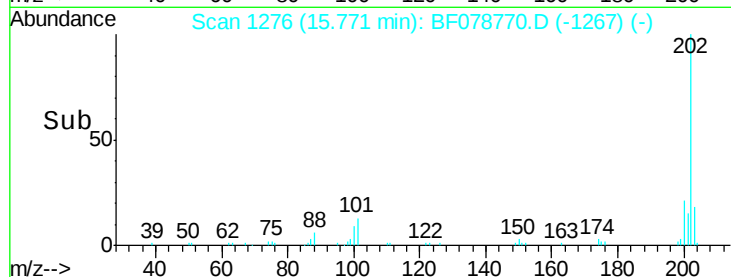
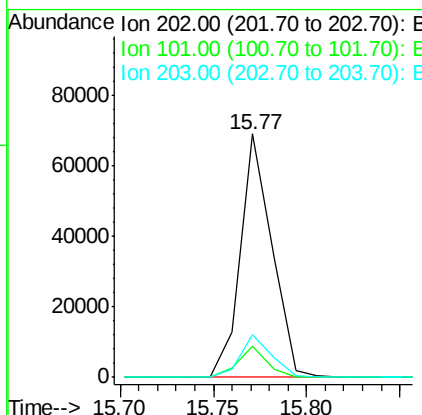
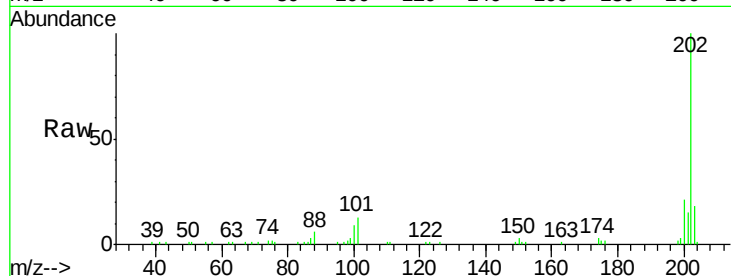




#74
 Fluoranthene
 Concen: 13.62 ng
 RT: 15.77 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

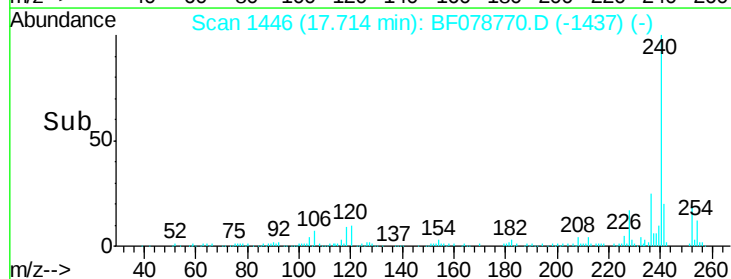
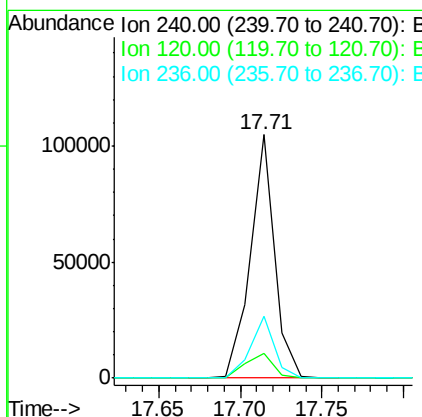
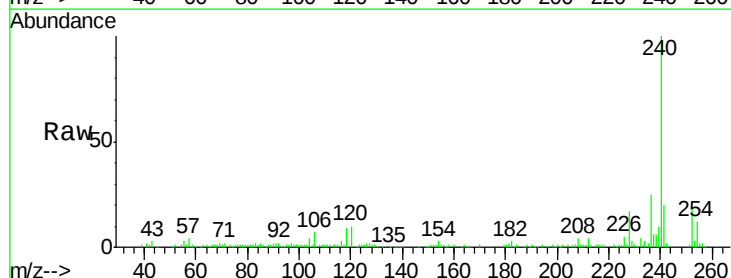
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PITMSD

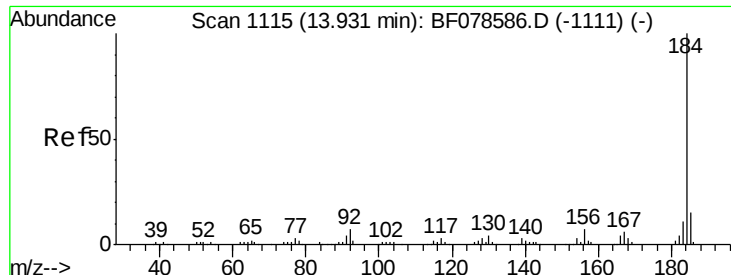
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	35.2
203	17.6	0.0	38.5



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.71 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.1	10.7
236	25.2	21.4	32.2

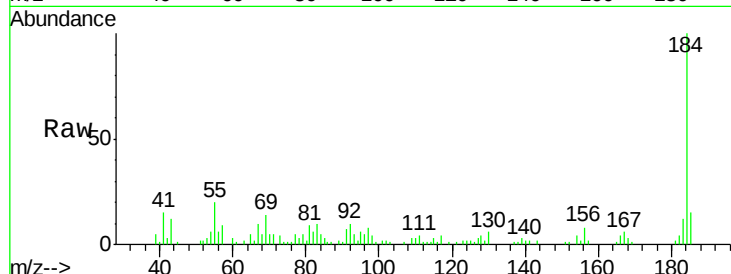




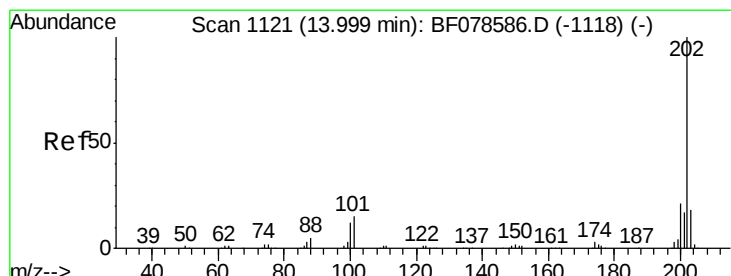
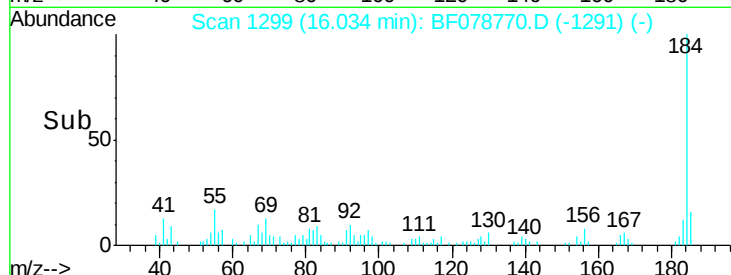
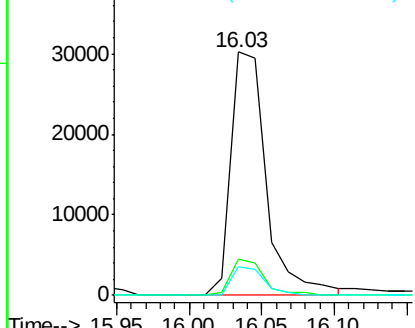
#76
Benzidine
Concen: 12.36 ng
RT: 16.03 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

Tot Ion:184 Resp: 51503
Ion Ratio Lower Upper
184 100
185 14.9 12.2 18.2
183 11.7 9.5 14.3

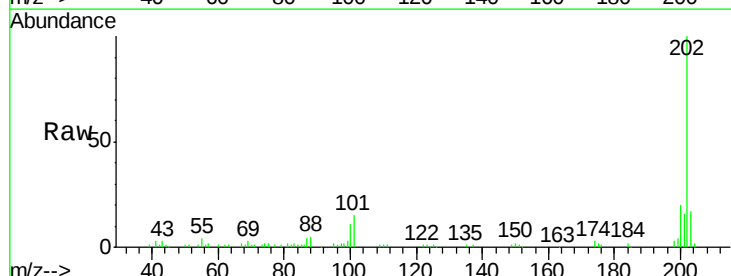


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

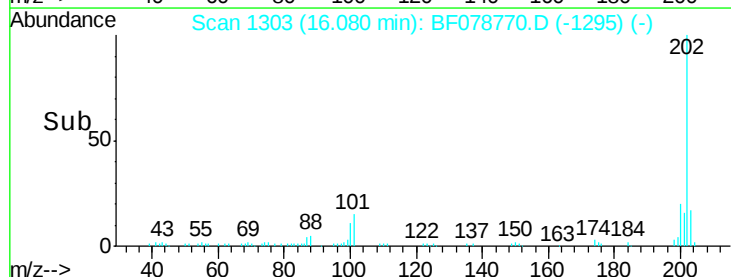
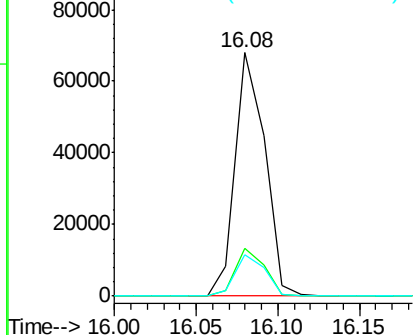


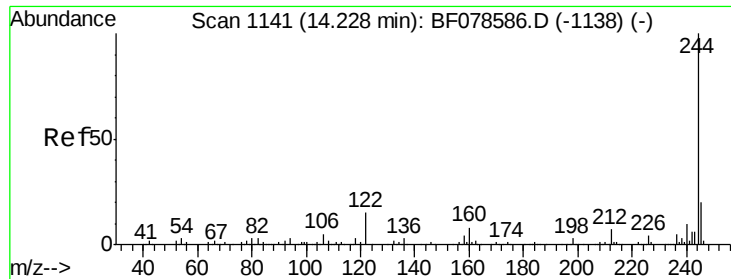
#77
Pyrene
Concen: 12.54 ng
RT: 16.08 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion:202 Resp: 85205
Ion Ratio Lower Upper
202 100
200 19.8 16.3 24.5
203 17.1 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

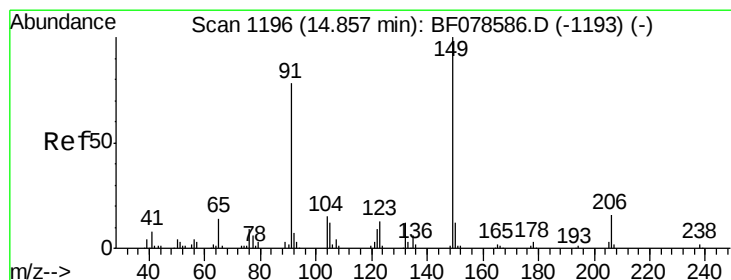
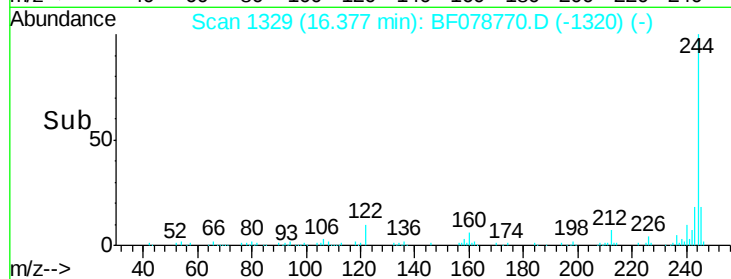
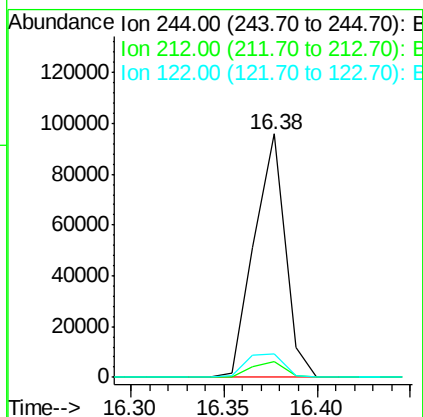
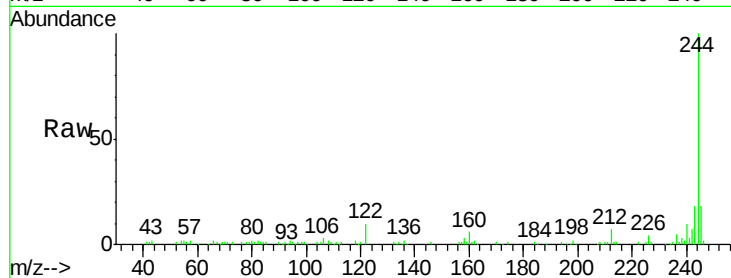




#78
 Terphenyl-d14
 Concen: 22.95 ng
 RT: 16.38 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

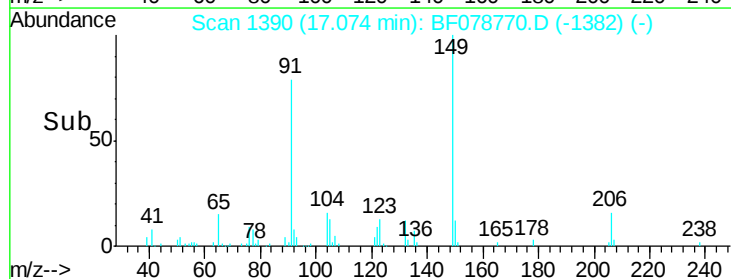
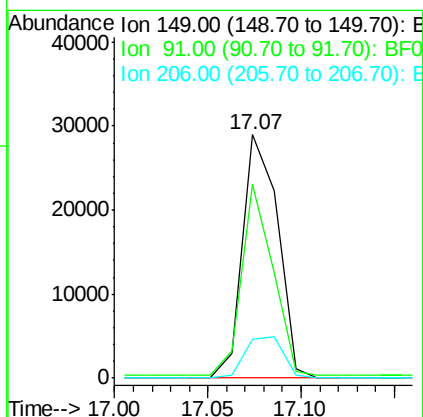
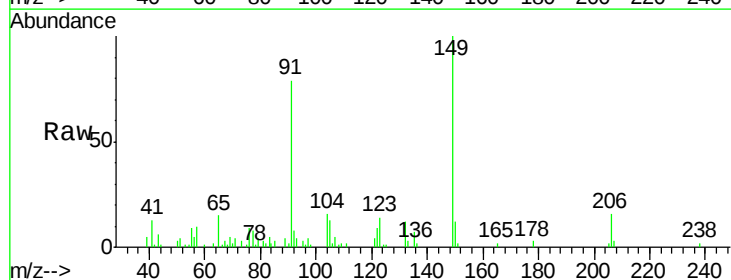
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PITMSD

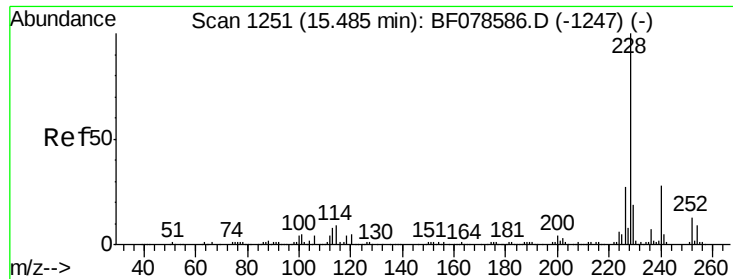
Tot Ion:244 Resp: 109950
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 9.5 7.1 10.7



#79
 Butylbenzylphthalate
 Concen: 14.67 ng
 RT: 17.07 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Tgt Ion:149 Resp: 38001
 Ion Ratio Lower Upper
 149 100
 91 79.4 64.2 96.2
 206 16.2 12.6 18.8





#80

Benzo(a)anthracene

Concen: 12.78 ng

RT: 17.70 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

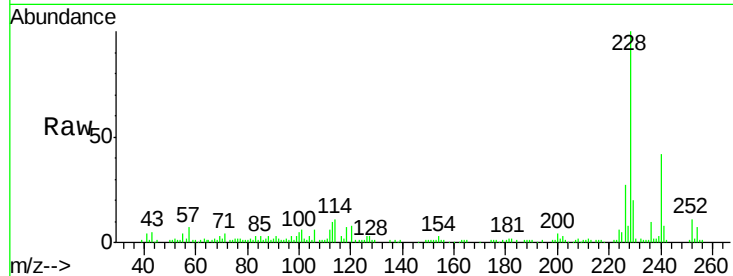
Tot Ion:228 Resp: 82323

Ion Ratio Lower Upper

228 100

226 27.3 21.3 31.9

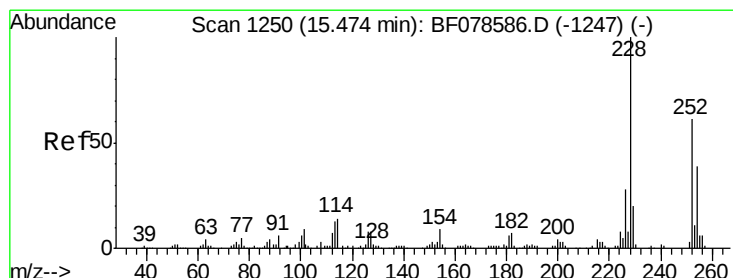
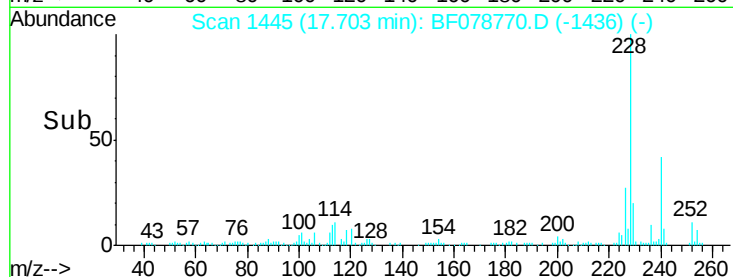
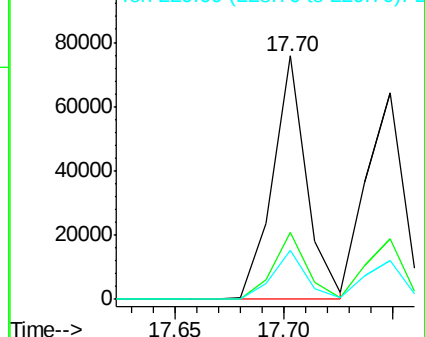
229 19.9 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 10.24 ng

RT: 17.71 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

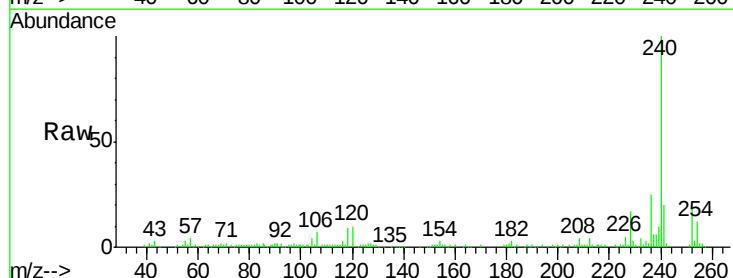
Tgt Ion:252 Resp: 22077

Ion Ratio Lower Upper

252 100

254 64.9 51.2 76.8

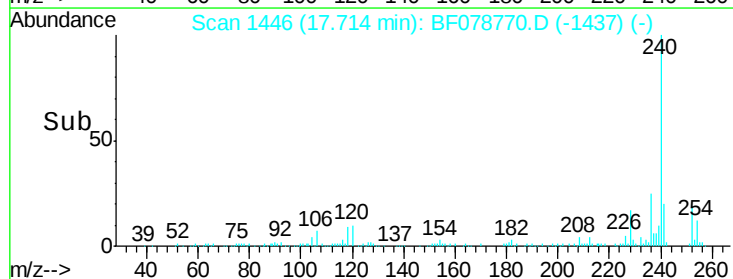
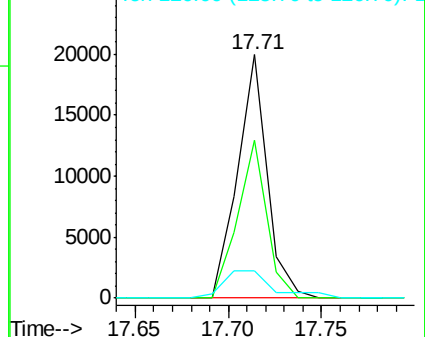
126 11.3 6.3 9.5#

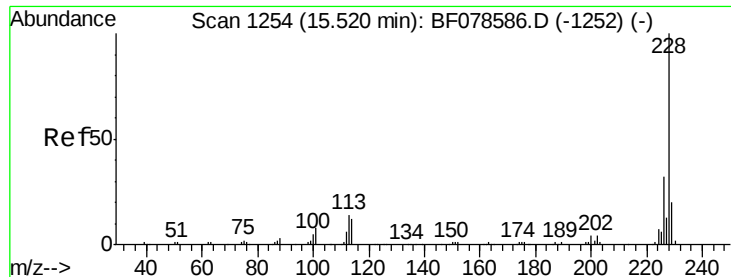


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

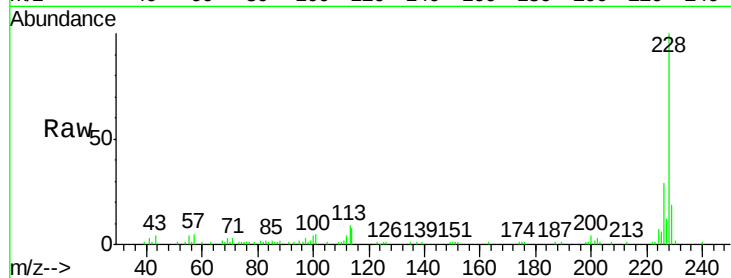




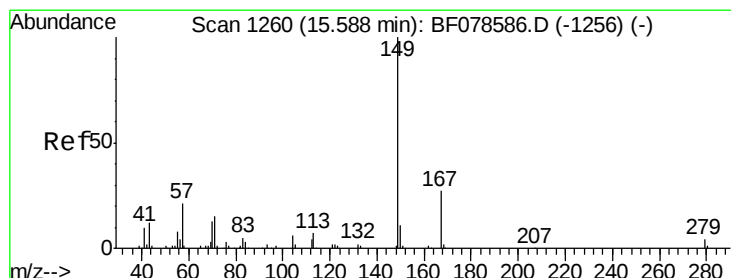
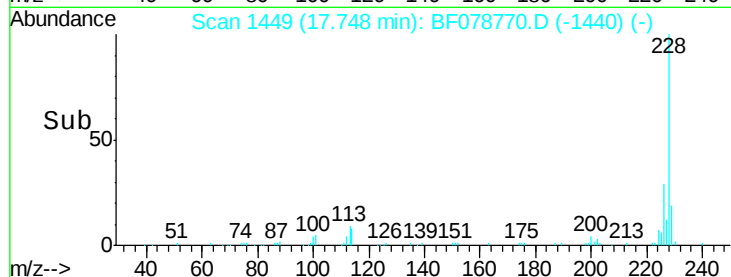
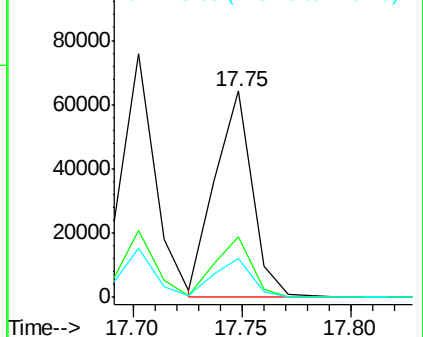
#82
 Chrysene
 Concen: 12.62 ng
 RT: 17.75 min Scan# 1449
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PITMSD

Tot Ion:228 Resp: 76353
 Ion Ratio Lower Upper
 228 100
 226 29.2 24.2 36.4
 229 18.9 15.8 23.8

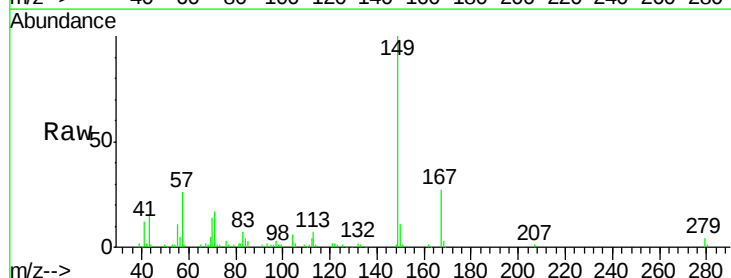


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

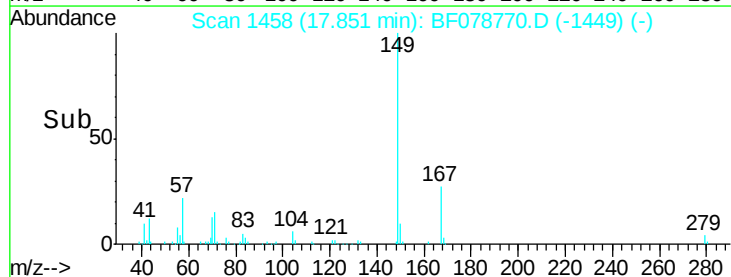
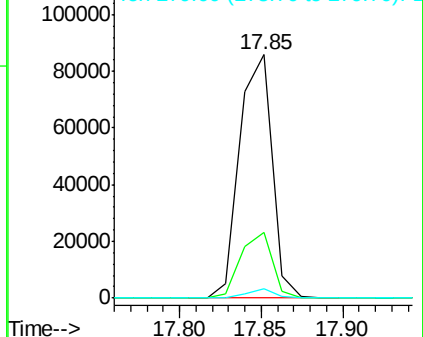


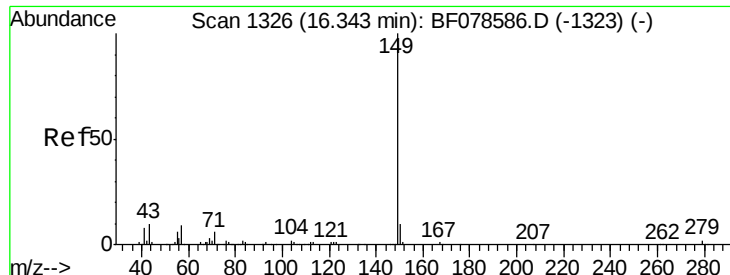
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 29.16 ng
 RT: 17.85 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: BF078770.D
 Acq: 24 Apr 2015 4:48

Tgt Ion:149 Resp: 118448
 Ion Ratio Lower Upper
 149 100
 167 26.8 22.2 33.2
 279 4.0 3.2 4.8



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

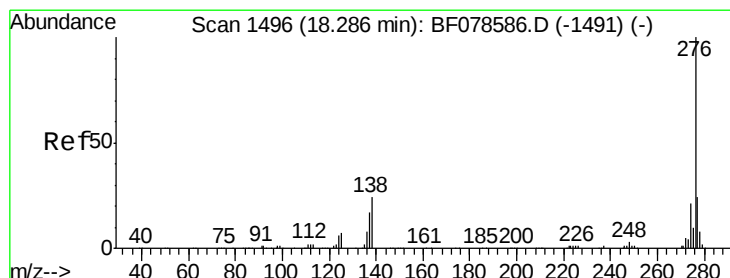
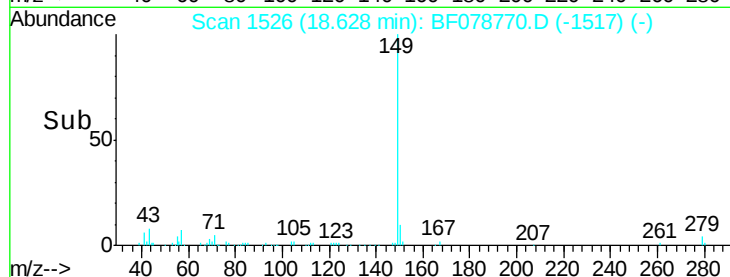
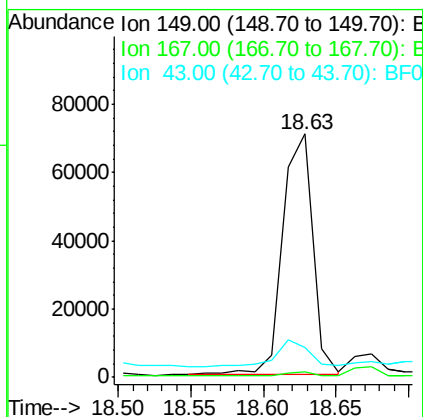
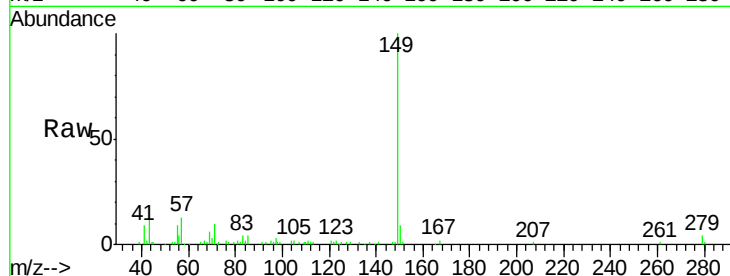




#84
Di-n-octyl phthalate
Concen: 15.27 ng
RT: 18.63 min Scan# 1526
Delta R.T. -0.00 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

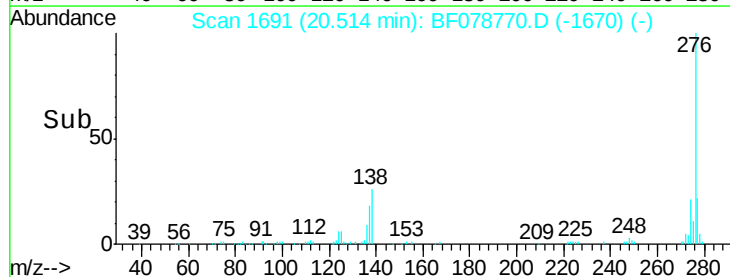
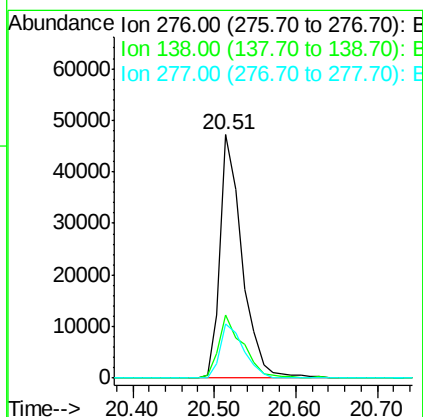
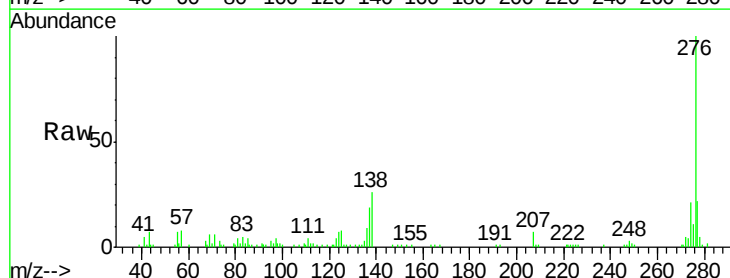
Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

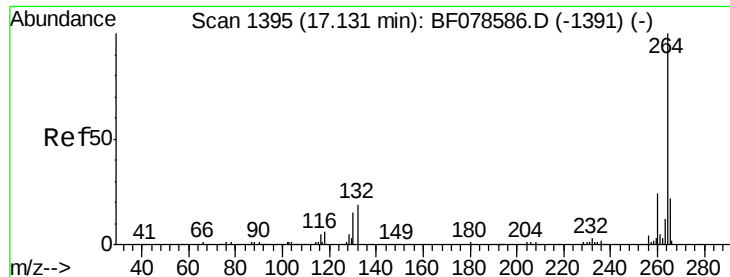
Tot Ion:149 Resp: 101863
Ion Ratio Lower Upper
149 100
167 1.8 0.0 0.0#
43 11.4 0.0 0.0#



#85
Indeno(1,2,3-cd)pyrene
Concen: 12.90 ng
RT: 20.51 min Scan# 1691
Delta R.T. -0.06 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion:276 Resp: 88602
Ion Ratio Lower Upper
276 100
138 28.6 16.9 25.3#
277 23.7 15.8 23.6#

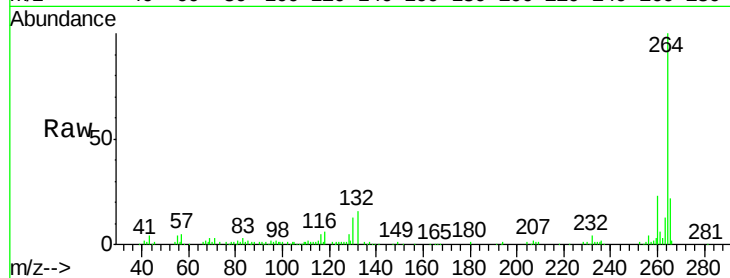




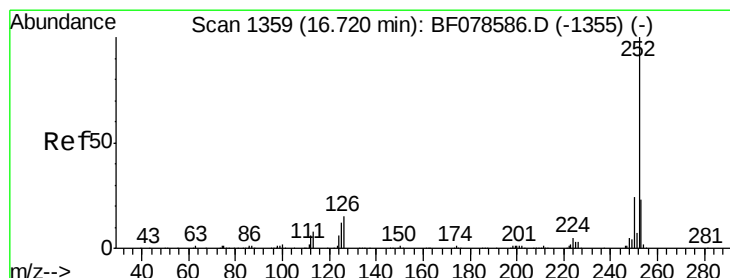
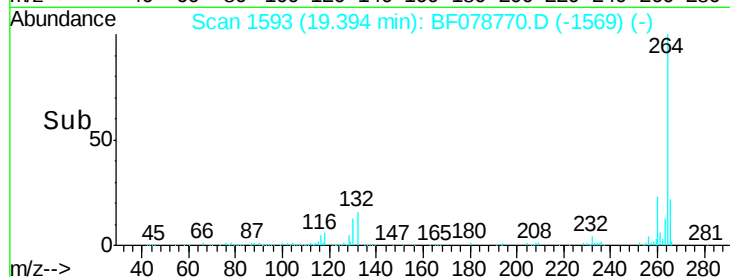
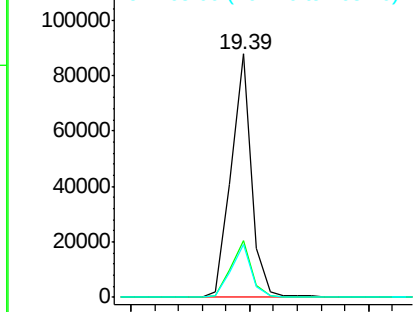
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.39 min Scan# 1593
Delta R.T. -0.02 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Instrument :
BNA_F
ClientSampleId :
SOIL-PITMSD

Tot Ion:264 Resp: 104145
Ion Ratio Lower Upper
264 100
260 23.1 18.6 27.8
265 21.6 17.0 25.6

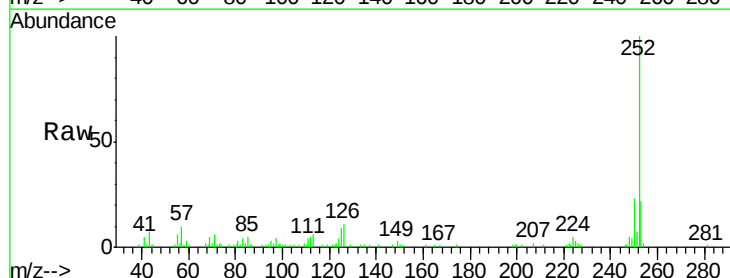


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

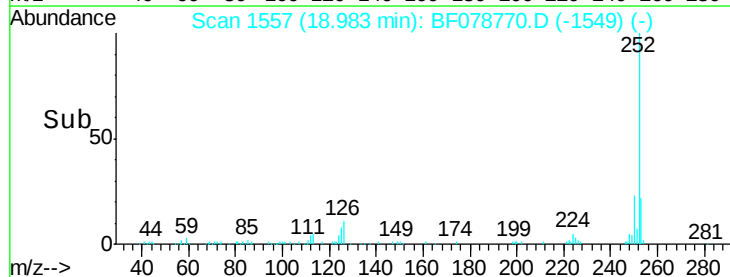
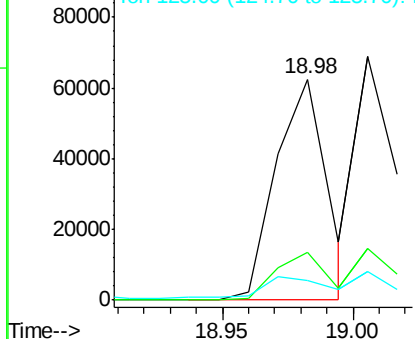


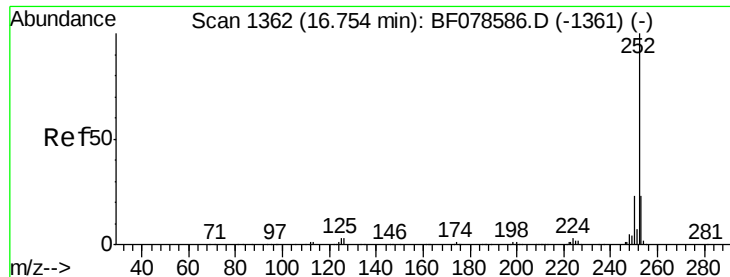
#87
Benzo(b)fluoranthene
Concen: 13.07 ng
RT: 18.98 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF078770.D
Acq: 24 Apr 2015 4:48

Tgt Ion:252 Resp: 84108
Ion Ratio Lower Upper
252 100
253 21.7 17.2 25.8
125 9.0 7.0 10.4



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





#88

Benzo(k)fluoranthene

Concen: 13.35 ng m

RT: 19.01 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

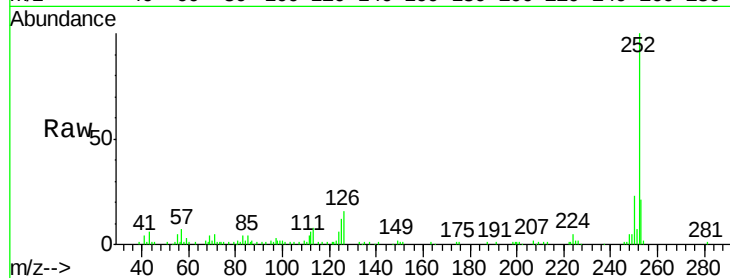
Tot Ion:252 Resp: 76345

Ion Ratio Lower Upper

252 100

253 21.1 17.5 26.3

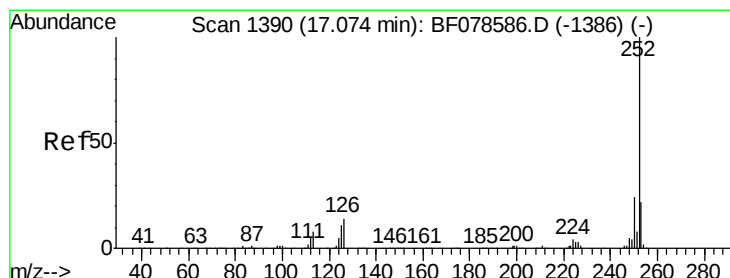
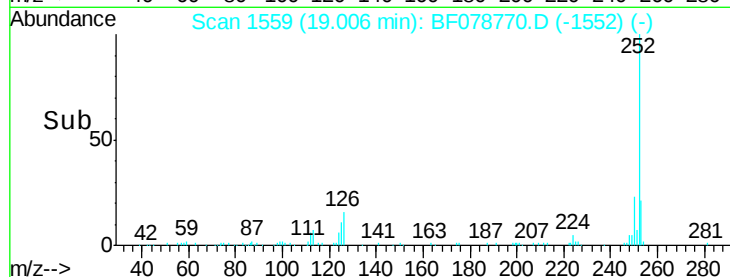
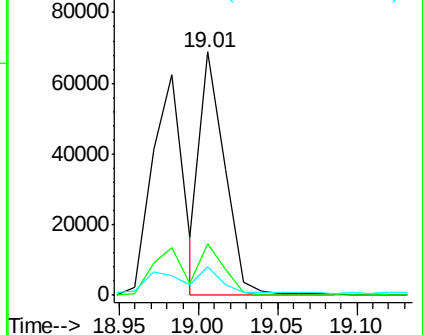
125 11.8 11.6 17.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 14.07 ng

RT: 19.34 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

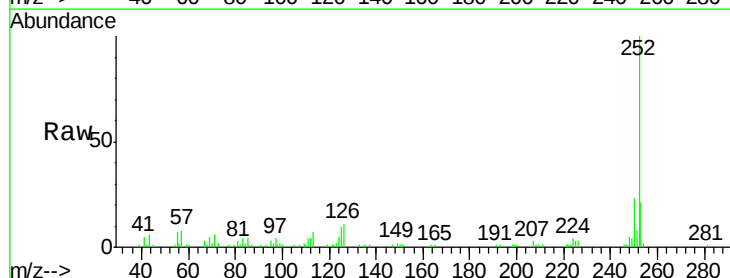
Tgt Ion:252 Resp: 79041

Ion Ratio Lower Upper

252 100

253 20.6 16.8 25.2

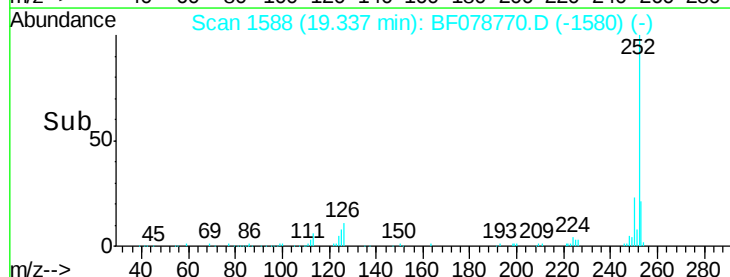
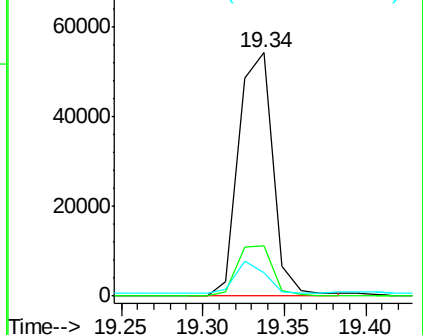
125 9.7 7.4 11.0

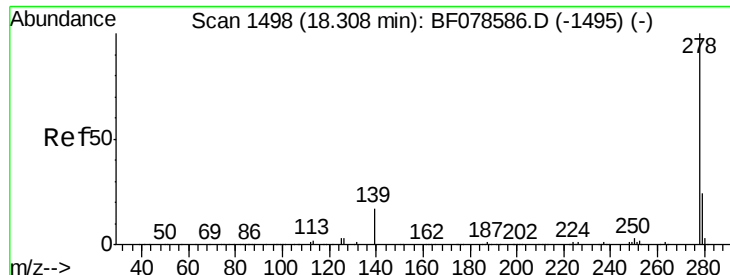


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 13.15 ng

RT: 20.54 min Scan# 1693

Delta R.T. -0.06 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

Instrument :

BNA_F

ClientSampleId :

SOIL-PITMSD

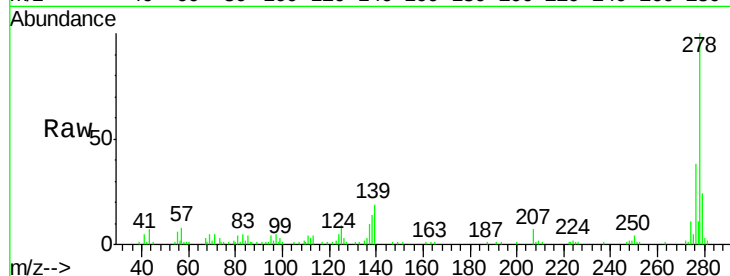
Tot Ion:278 Resp: 73942

Ion Ratio Lower Upper

278 100

139 18.8 13.6 20.4

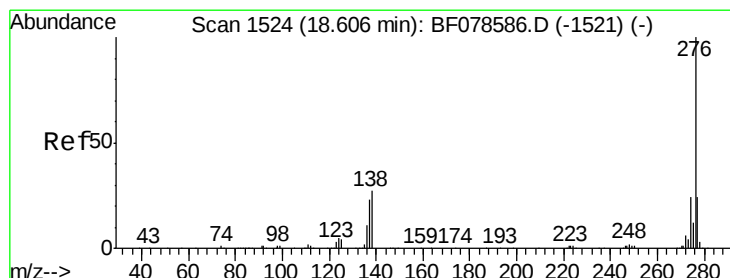
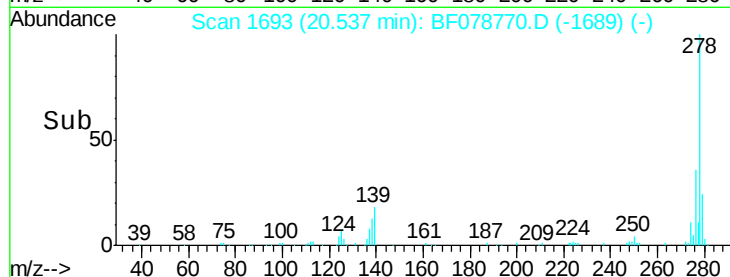
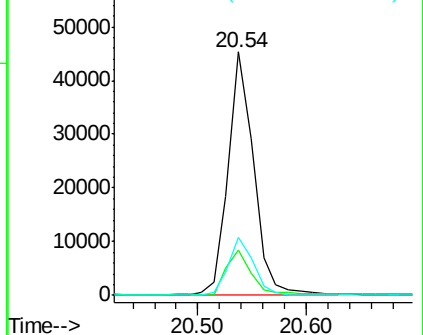
279 23.7 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 12.75 ng

RT: 20.82 min Scan# 1718

Delta R.T. -0.06 min

Lab File: BF078770.D

Acq: 24 Apr 2015 4:48

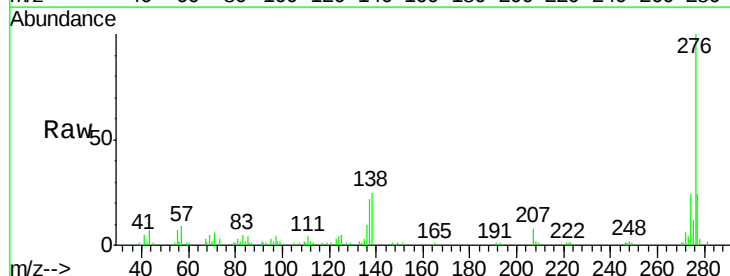
Tgt Ion:276 Resp: 71910

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 24.7 19.9 29.9



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

