

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082339.D
 Acq On : 16 Oct 2015 21:39
 Operator : UM/IZ
 Sample : G4046-04 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKEN112

Quant Time: Oct 17 01:17:49 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 01:08:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.07	152	13694	20.00	ng	0.24
21) Naphthalene-d8	8.56	136	11253	20.00	ng	0.43
38) Acenaphthene-d10	10.51	164	215483	20.00	ng	0.63
63) Phenanthrene-d10	12.08	188	186482	20.00	ng	0.71
75) Chrysene-d12	14.93	240	4084	20.00	ng	0.86
86) Perylene-d12	16.50	264	1480	20.00	ng	0.91

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	18788	27.69	ng	0.10
7) Phenol-d6	6.56	99	28281	32.03	ng	0.08
23) Nitrobenzene-d5	7.63	82	208	1.24	ng	0.22
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.81	172	306	0.02	ng	0.59
78) Terphenyl-d14	13.80	244	3930	25.50	ng	0.83

Target Compounds

						Qvalue
9) Benzaldehyde	6.69	77	1387	3.08	ng	# 61
17) 2-Methylphenol	7.41	107	4888	7.46	ng	# 38
18) Hexachloroethane	7.53	117	1223	3.55	ng	# 3
19) n-Nitroso-di-n-propylamine	7.49	70	1799	2.90	ng	# 78
20) 3+4-Methylphenols	7.41	107	4888	6.26	ng	# 31
22) Acetophenone	7.77	105	771	3.46	ng	# 46
24) Nitrobenzene	7.82	77	733	4.04	ng	# 33
25) Isophorone	8.21	82	7098	20.99	ng	# 93
27) 2,4-Dimethylphenol	8.23	122	418	2.86	ng	# 1
28) bis(2-Chloroethoxy)methane	8.27	93	457	2.32	ng	# 71
31) Naphthalene	8.56	128	5681	11.65	ng	# 1
32) Benzoic acid	8.23	122	418	4.27	ng	# 1
33) 4-Chloroaniline	8.66	127	740	3.65	ng	# 1
35) Caprolactam	9.02	113	5102	120.52	ng	# 1
36) 4-Chloro-3-methylphenol	9.15	107	362	2.54	ng	# 78
37) 2-Methylnaphthalene	9.38	142	9182	27.15	ng	# 1
45) 1,1'-Biphenyl	10.00	154	979260	59.60	ng	# 14
46) 2-Chloronaphthalene	9.95	162	134404	10.39	ng	# 13
49) Dimethylnaphthalene	9.95	163	37960	2.50	ng	# 1
50) 2,6-Dinitrotoluene	10.51	165	1443055	450.72	ng	# 36
51) Acenaphthene	10.57	154	25797	2.13	ng	# 1
52) 3-Nitroaniline	10.51	138	20410	5.64	ng	# 11
53) 2,4-Dinitrophenol	10.57	184	13417	13.30	ng	# 1
55) 4-Nitrophenol	10.64	139	15506	8.57	ng	# 24
56) 2,4-Dinitrotoluene	10.64	165	53172	13.29	ng	# 33
57) Fluorene	11.13	166	32582	2.39	ng	# 1
62) Azobenzene	11.28	77	33688	2.43	ng	# 1
64) 4,6-Dinitro-2-methylphenol	11.20	198	5350	5.11	ng	# 1
65) n-Nitrosodiphenylamine	11.18	169	25379	4.55	ng	# 78
68) Atrazine	11.78	200	6217	3.51	ng	# 55
73) Di-n-butylphthalate	12.71	149	69333	6.54	ng	# 1
74) Fluoranthene	13.33	202	95440	9.72	ng	# 29
76) Benzidine	13.54	184	293	2.48	ng	# 1
77) Pyrene	13.63	202	20952	86.45	ng	# 63

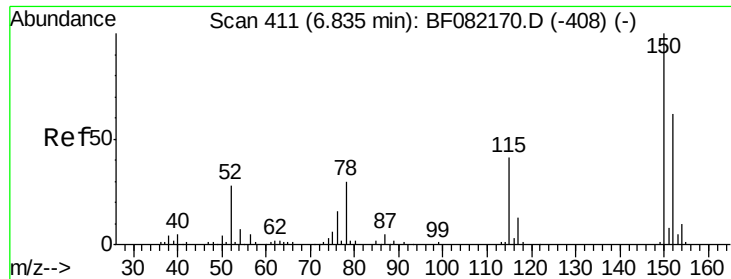
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082339.D
 Acq On : 16 Oct 2015 21:39
 Operator : UM/IZ
 Sample : G4046-04 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Butylbenzylphthalate	14.30	149	2118	19.15	nq	# 41
80) Benzo(a)anthracene	14.94	228	1654	7.78	nq	# 1
81) 3,3'-Dichlorobenzidine	14.84	252	3265	40.48	nq	# 1
82) Chrysene	14.94	228	1743	7.78	nq	# 1
83) Bis(2-ethylhexyl)phthalate	14.90	149	1786	11.32	nq	# 32
84) Di-n-octyl phthalate	15.64	149	1185	4.37	nq	# 1
85) Indeno(1,2,3-cd)pyrene	18.10	276	1645	9.24	nq	# 50
87) Benzo(b)fluoranthene	16.07	252	2196	24.39	nq	# 17
88) Benzo(k)fluoranthene	16.07	252	2196	29.02	nq	# 14
89) Benzo(a)pyrene	16.44	252	208	2.69	nq	# 1
90) Dibenzo(a,h)anthracene	18.08	278	255	4.02	nq	# 1
91) Benzo(a,h,i)perylene	18.57	276	232	3.77	nq	# 53

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

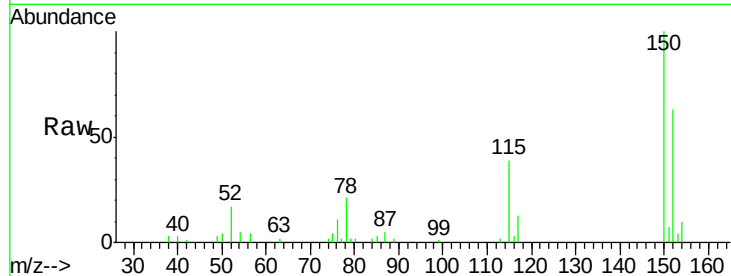


#1

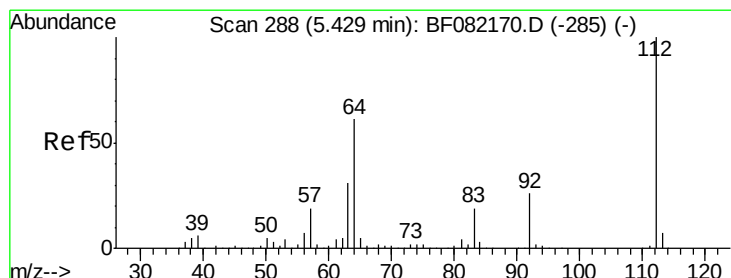
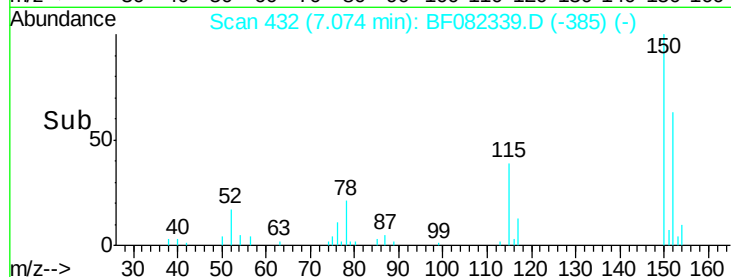
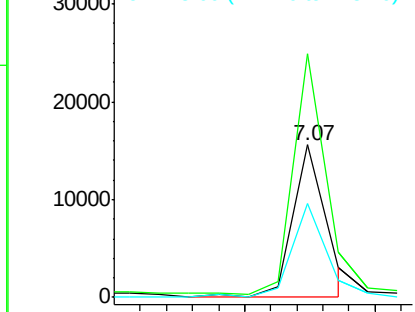
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.07 min Scan# 432
Delta R.T. 0.24 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

Tot Ion:152 Resp: 13694
Ion Ratio Lower Upper
152 100
150 159.9 129.0 193.4
115 61.9 52.1 78.1



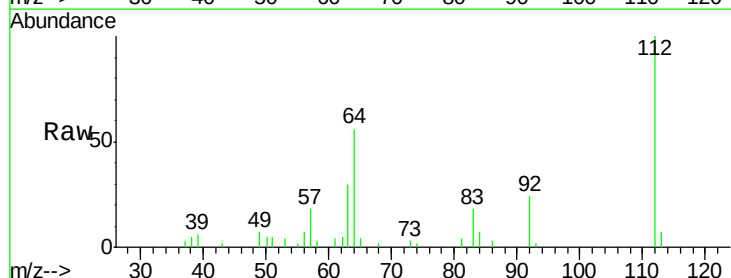
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



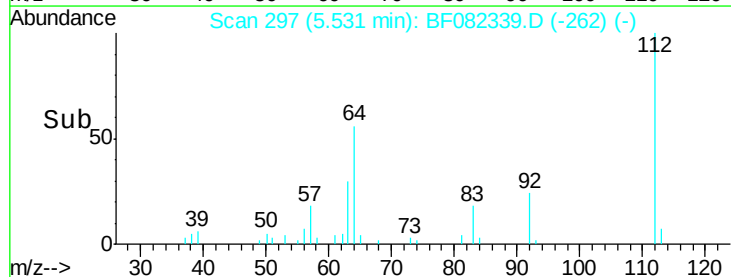
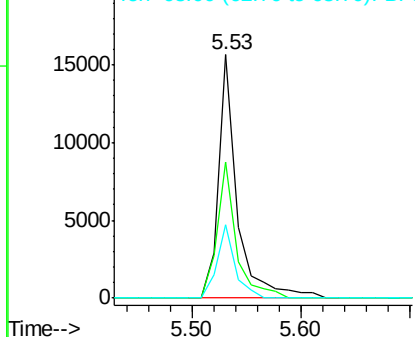
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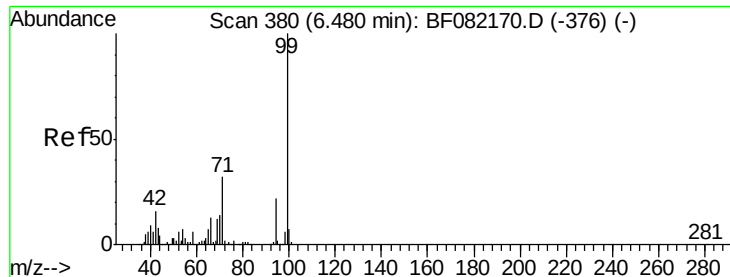
2-Fluorophenol
Concen: 27.69 ng
RT: 5.53 min Scan# 297
Delta R.T. 0.10 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Tgt Ion:112 Resp: 18788
Ion Ratio Lower Upper
112 100
64 56.1 48.6 73.0
63 30.3 25.1 37.7



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





#7

Phenol-d6

Concen: 32.03 ng

RT: 6.56 min Scan# 387

Delta R.T. 0.08 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112

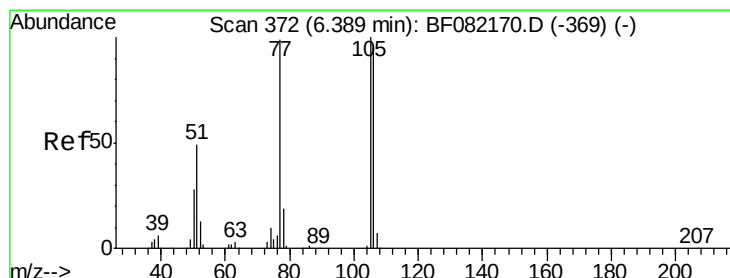
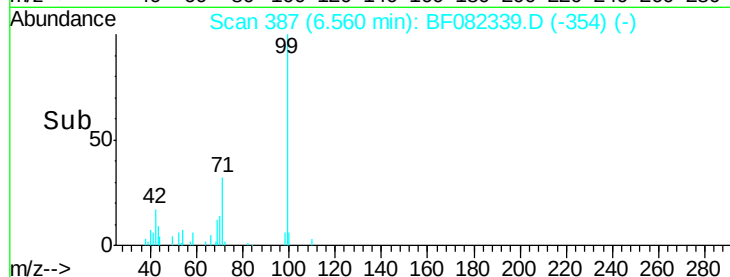
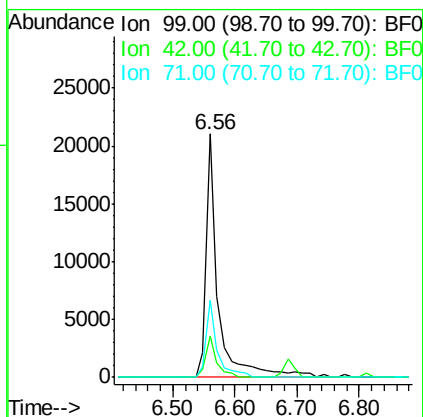
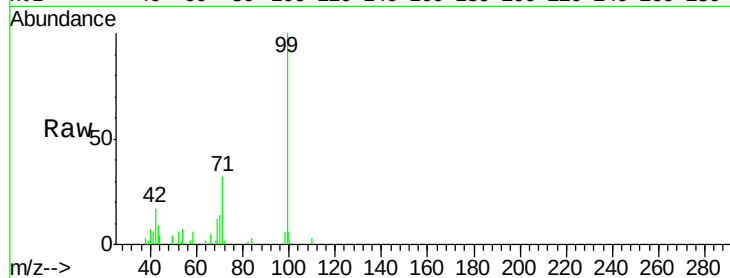
Tot Ion: 99 Resp: 28281

Ion Ratio Lower Upper

99 100

42 17.0 13.2 19.8

71 31.7 25.6 38.4



#9

Benzaldehyde

Concen: 3.08 ng

RT: 6.69 min Scan# 398

Delta R.T. 0.30 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

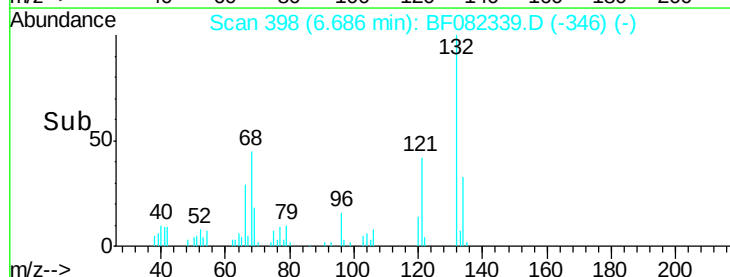
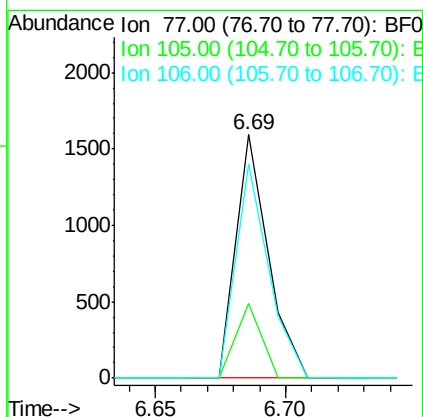
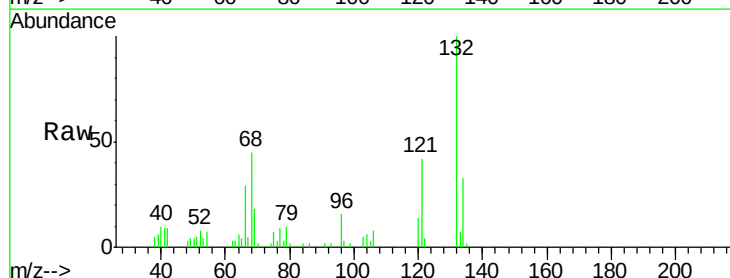
Tgt Ion: 77 Resp: 1387

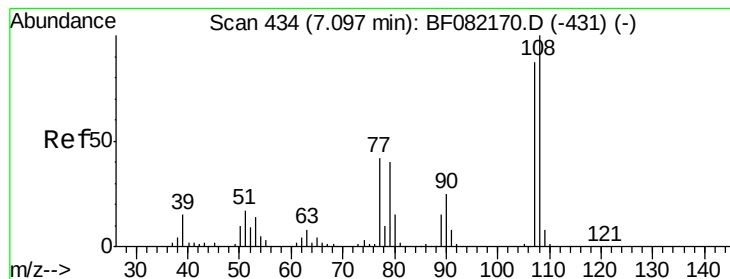
Ion Ratio Lower Upper

77 100

105 30.9 80.6 120.6#

106 88.1 75.5 115.5

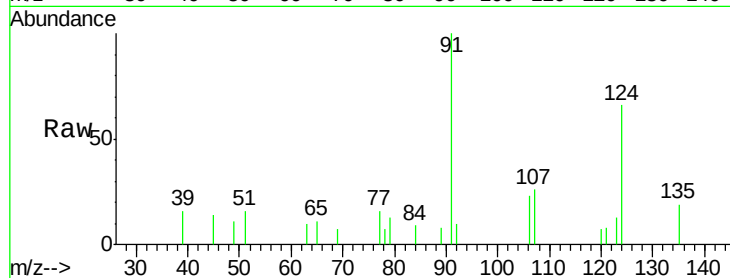




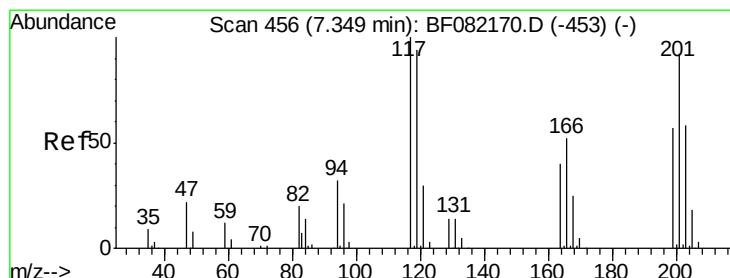
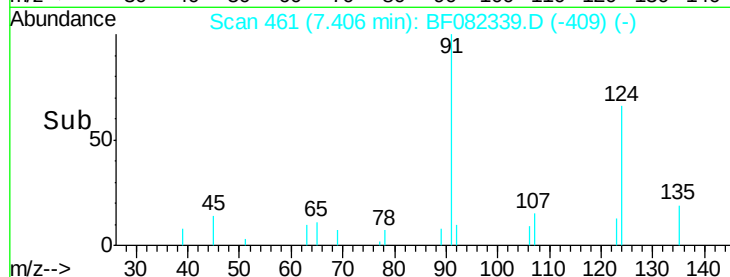
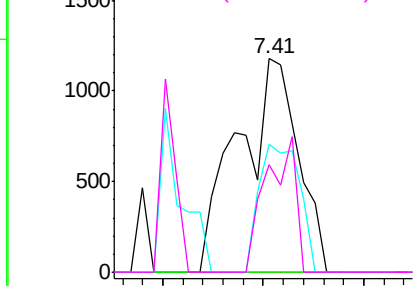
#17
2-Methylphenol
Concen: 7.46 ng
RT: 7.41 min Scan# 461
Delta R.T. 0.30 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

Tot Ion:107 Resp: 4888
Ion Ratio Lower Upper
107 100
108 0.0 92.2 138.2#
77 60.1 39.6 59.4#
79 50.3 38.2 57.4

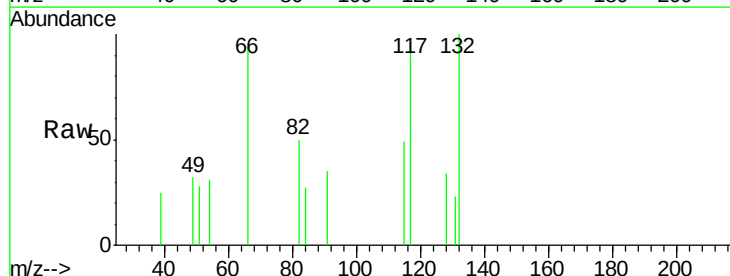


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

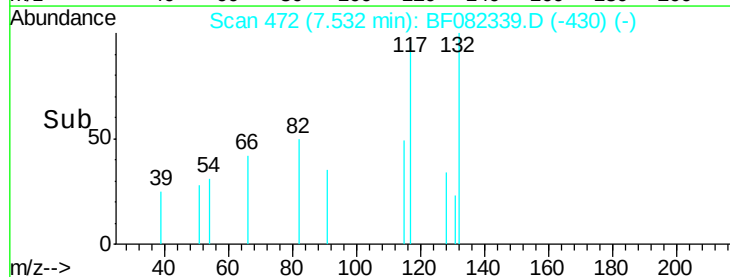
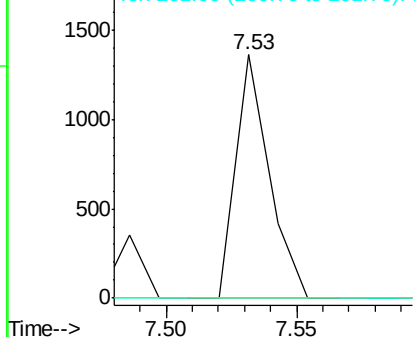


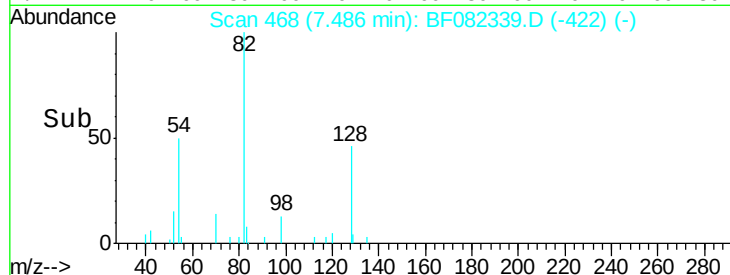
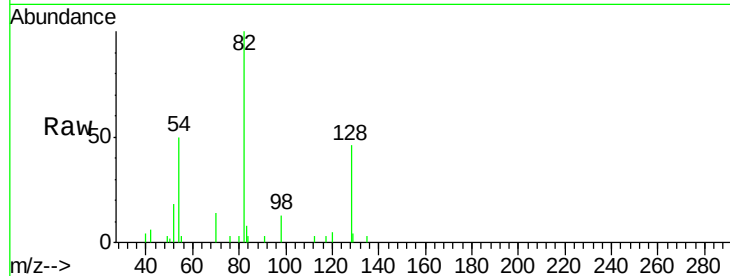
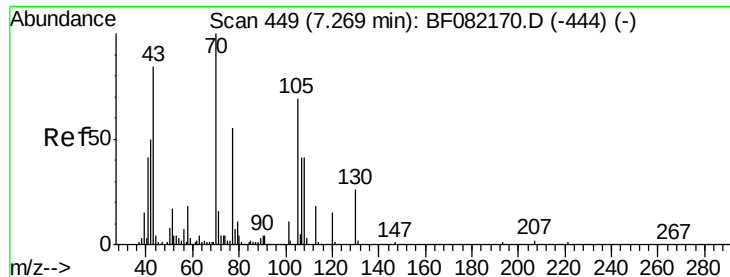
#18
Hexachloroethane
Concen: 3.55 ng
RT: 7.53 min Scan# 472
Delta R.T. 0.18 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Tgt Ion:117 Resp: 1223
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.2#
201 0.0 73.4 110.0#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

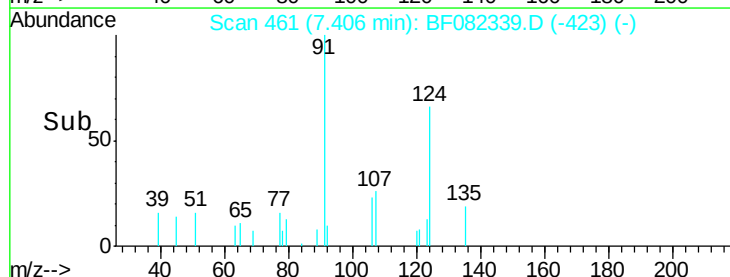
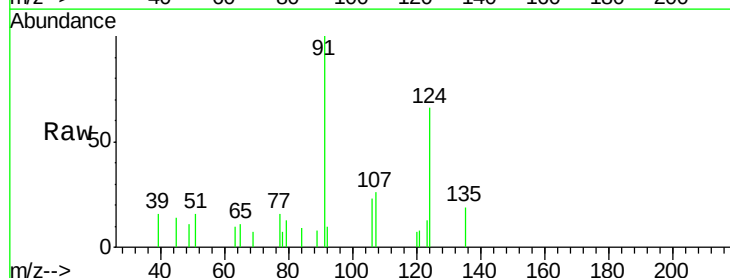
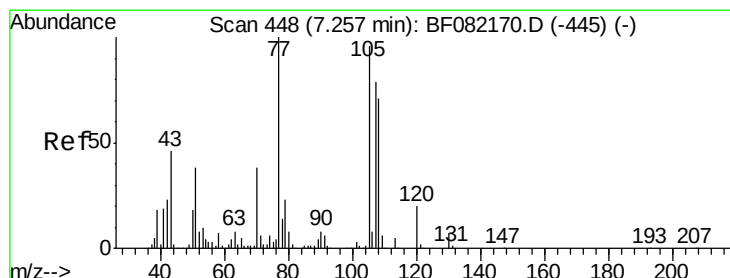
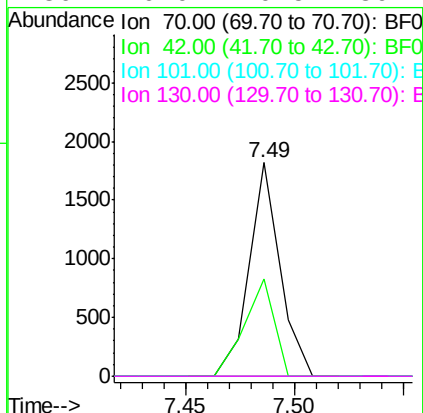




#19
n-Nitroso-di-n-propylamine
Concen: 2.90 ng
RT: 7.49 min Scan# 468
Delta R.T. 0.23 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

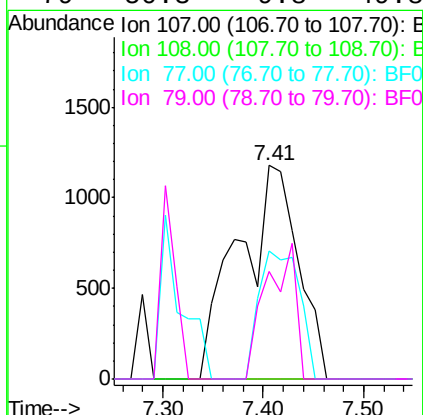
Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

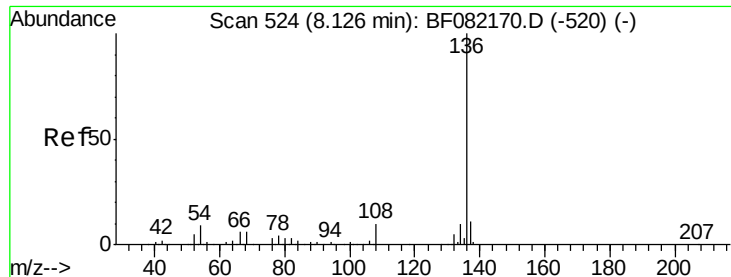
Tot Ion: 70 Resp: 1799
Ion Ratio Lower Upper
70 100
42 45.4 39.8 59.8
101 0.0 8.6 13.0#
130 0.0 20.5 30.7#



#20
3+4-Methylphenols
Concen: 6.26 ng
RT: 7.41 min Scan# 461
Delta R.T. 0.14 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Tgt Ion: 107 Resp: 4888
Ion Ratio Lower Upper
107 100
108 0.0 69.9 109.9#
77 60.1 106.0 146.0#
79 50.3 9.8 49.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.56 min Scan# 562

Delta R.T. 0.43 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112

Tot Ion:136 Resp: 11253

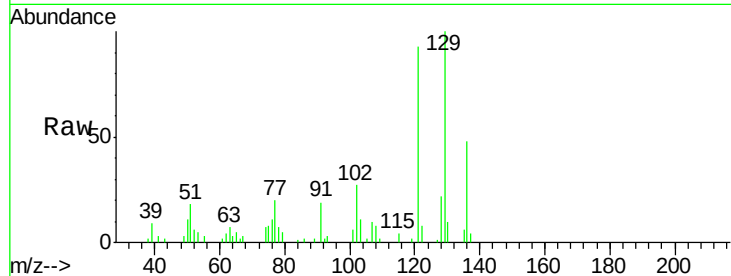
Ion Ratio Lower Upper

136 100

137 9.4 9.0 13.6

54 0.0 7.5 11.3#

68 0.0 4.6 7.0#

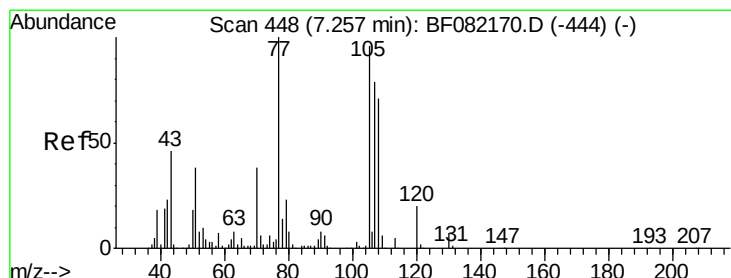
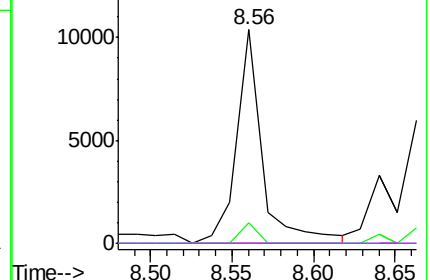
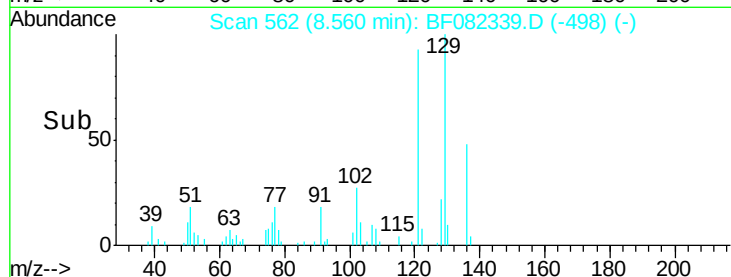


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.46 ng

RT: 7.77 min Scan# 493

Delta R.T. 0.51 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

Tgt Ion:105 Resp: 771

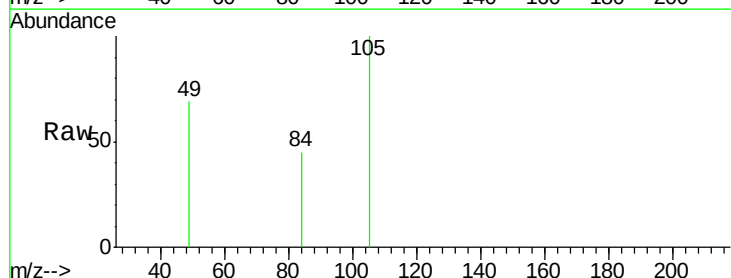
Ion Ratio Lower Upper

105 100

71 0.0 5.4 8.0#

51 0.0 31.8 47.6#

120 0.0 16.3 24.5#

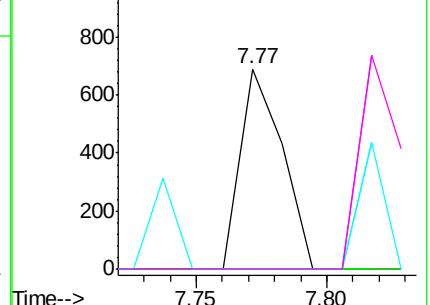
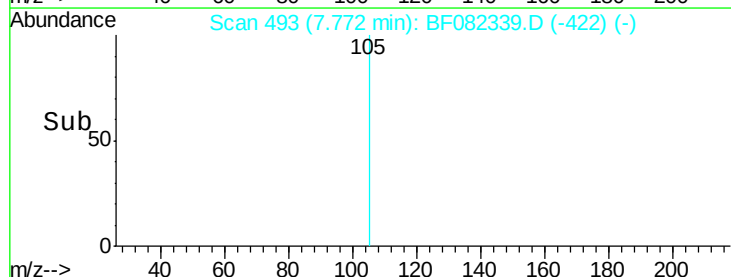


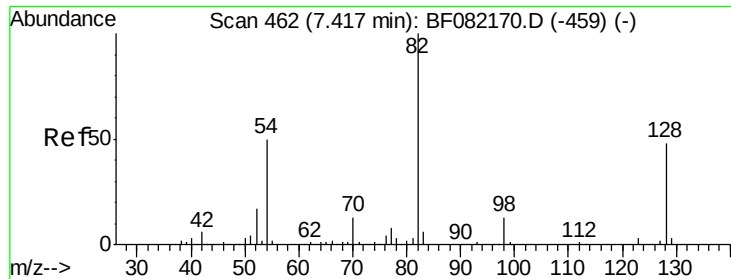
Abundance Ion 105.00 (104.70 to 105.70): E

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

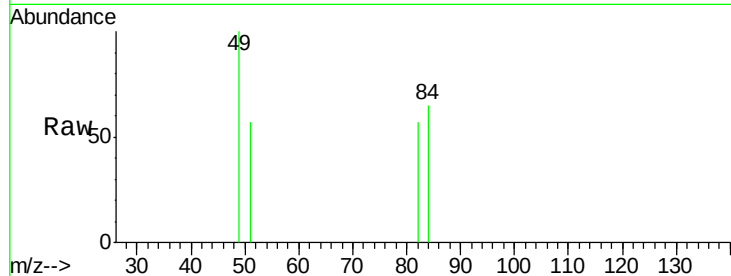




#23
Nitrobenzene-d5
Concen: 1.24 ng
RT: 7.63 min Scan# 481
Delta R.T. 0.22 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

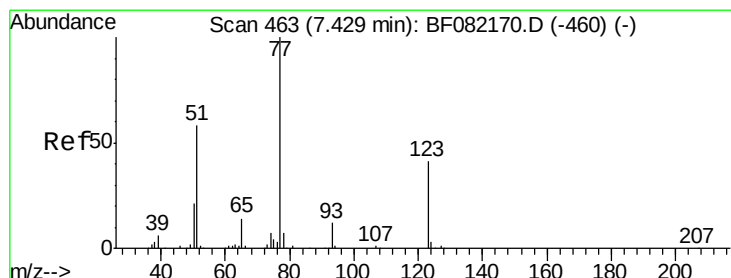
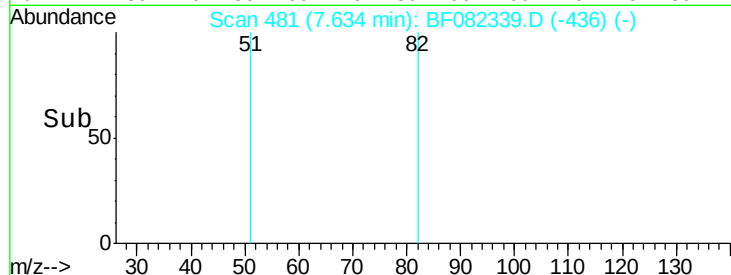
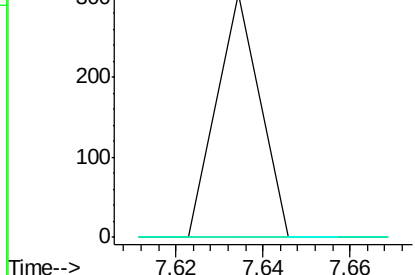
Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

Tot Ion: 82 Resp: 208
Ion Ratio Lower Upper
82 100
128 0.0 38.7 58.1#
54 0.0 40.1 60.1#



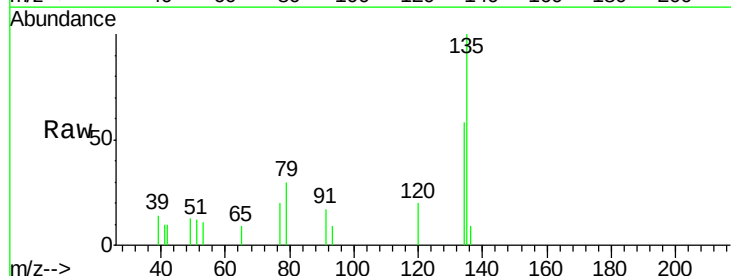
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

7.63



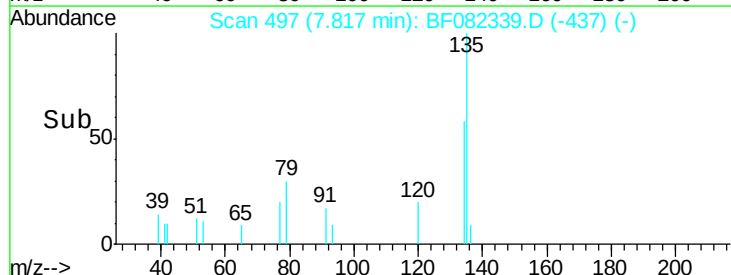
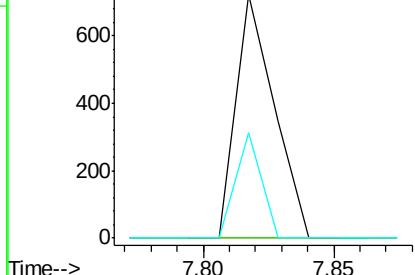
#24
Nitrobenzene
Concen: 4.04 ng
RT: 7.82 min Scan# 497
Delta R.T. 0.39 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

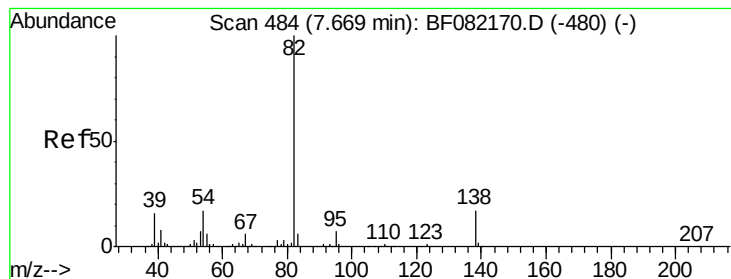
Tgt Ion: 77 Resp: 733
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.4#
65 43.4 11.2 16.8#



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

7.82





#25

Isophorone

Concen: 20.99 ng

RT: 8.21 min Scan# 531

Delta R.T. 0.54 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112

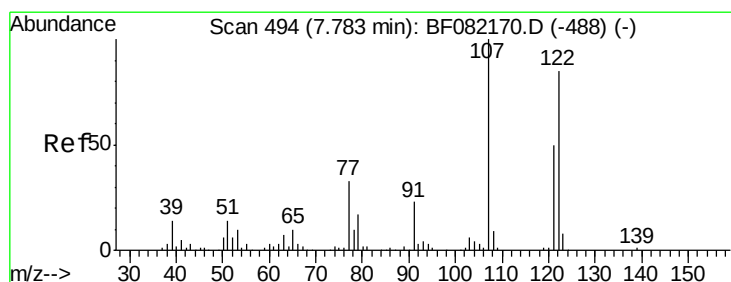
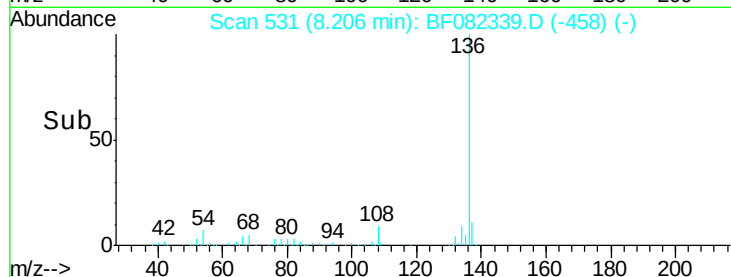
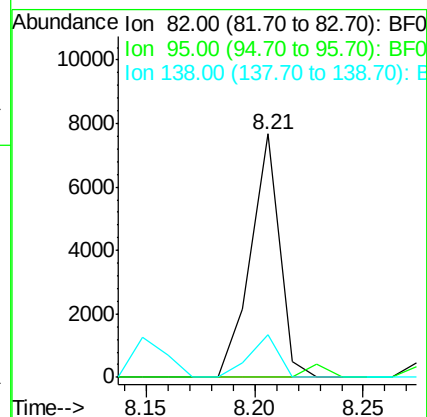
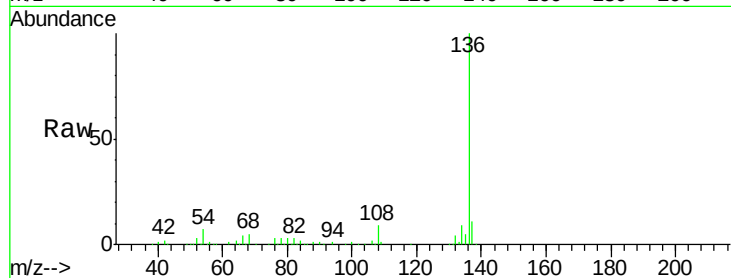
Tot Ion: 82 Resp: 7098

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 17.4 13.6 20.4



#27

2,4-Dimethylphenol

Concen: 2.86 ng

RT: 8.23 min Scan# 533

Delta R.T. 0.43 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

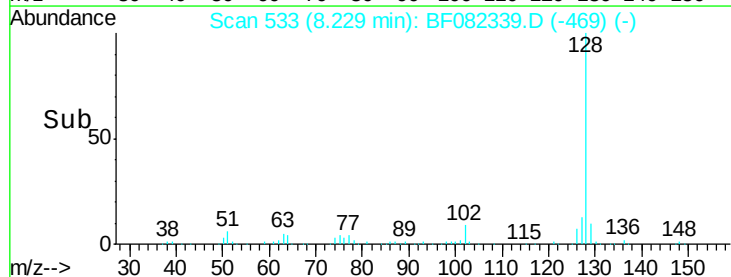
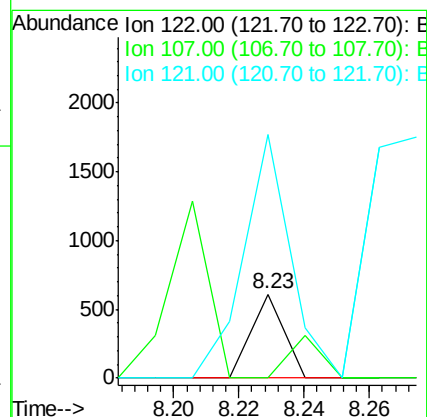
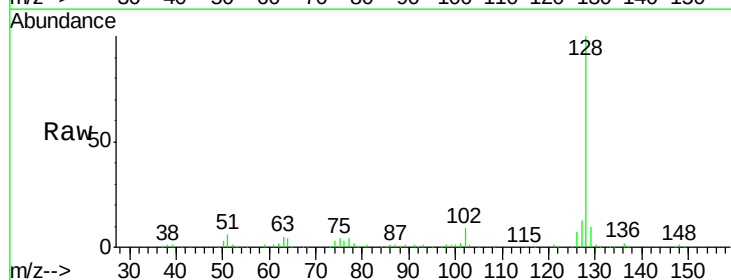
Tgt Ion: 122 Resp: 418

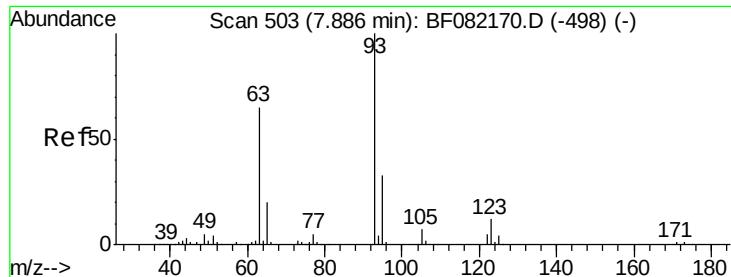
Ion Ratio Lower Upper

122 100

107 0.0 94.0 141.0#

121 290.8 46.8 70.2#

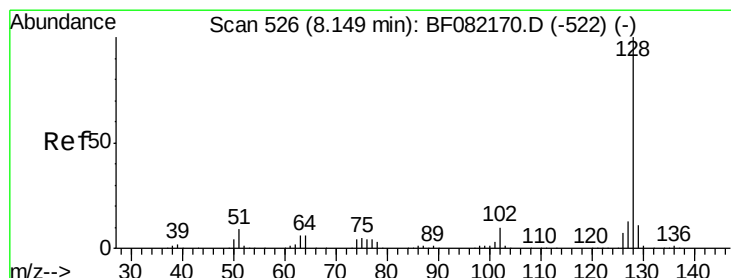
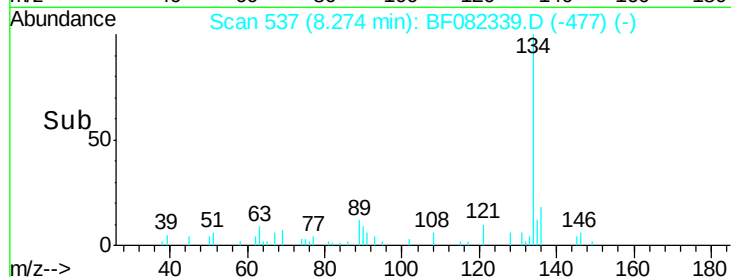
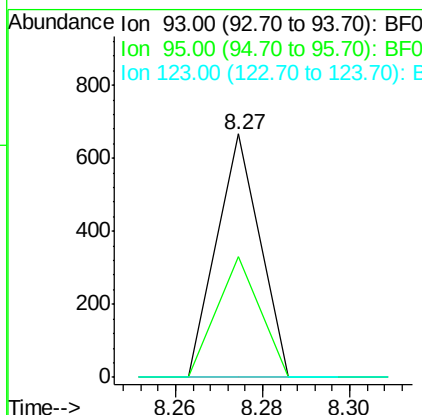
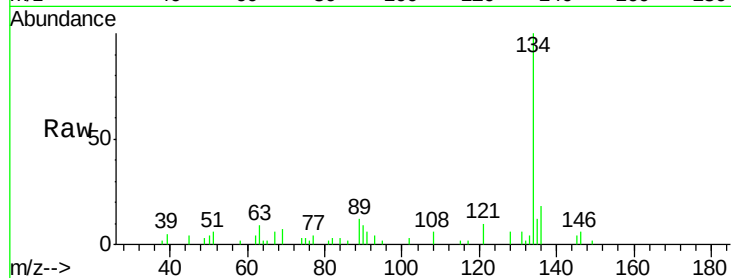




#28
 bis(2-Chloroethoxy)methane
 Concen: 2.32 ng
 RT: 8.27 min Scan# 537
 Delta R.T. 0.39 min
 Lab File: BF082339.D
 Acq: 16 Oct 2015 21:39

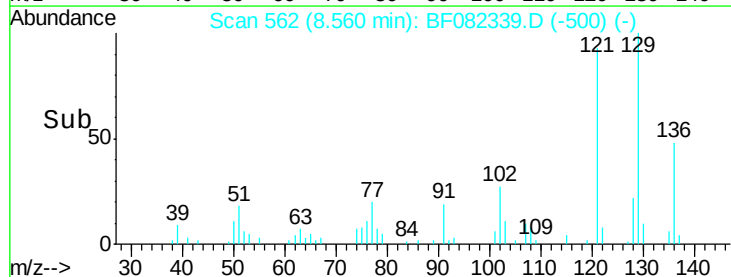
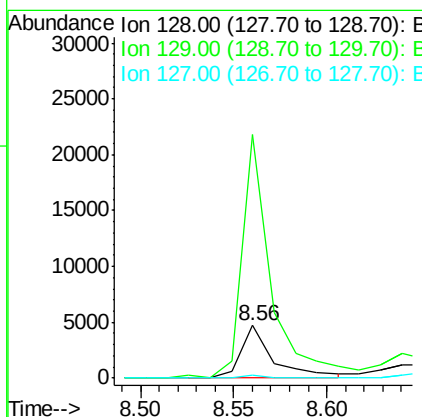
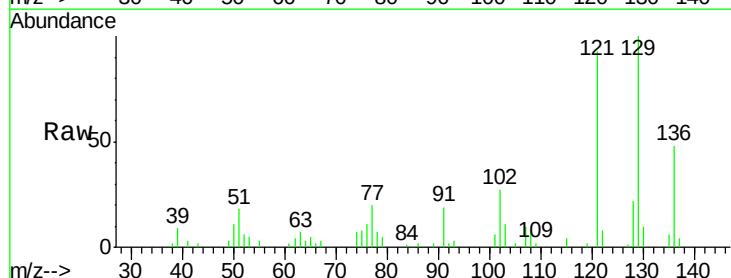
Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKEN112

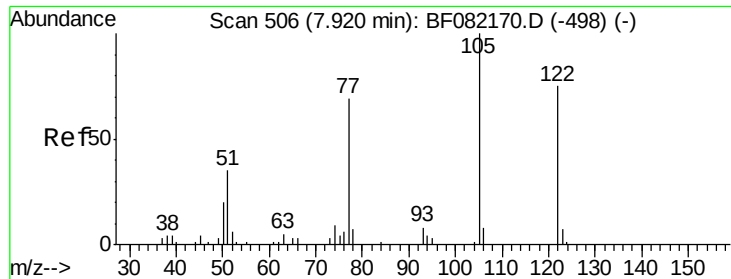
Tot Ion: 93 Resp: 457
 Ion Ratio Lower Upper
 93 100
 95 49.5 26.6 39.8#
 123 0.0 9.5 14.3#



#31
 Naphthalene
 Concen: 11.65 ng
 RT: 8.56 min Scan# 562
 Delta R.T. 0.41 min
 Lab File: BF082339.D
 Acq: 16 Oct 2015 21:39

Tgt Ion: 128 Resp: 5681
 Ion Ratio Lower Upper
 128 100
 129 463.2 9.1 13.7#
 127 6.5 10.7 16.1#

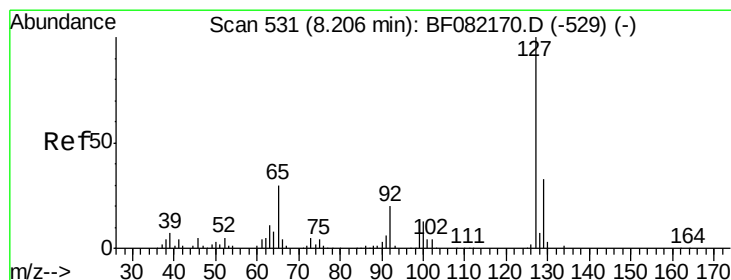
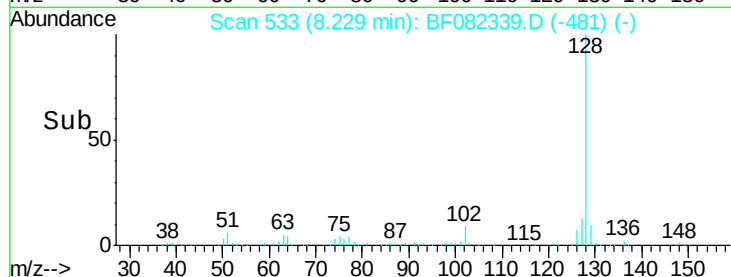
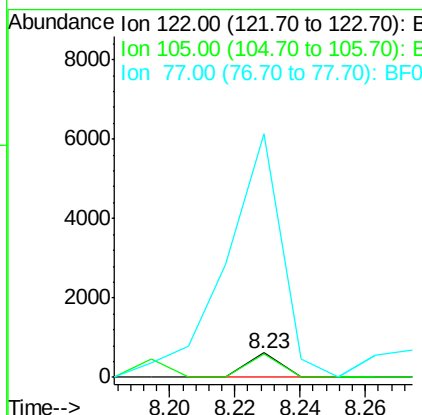
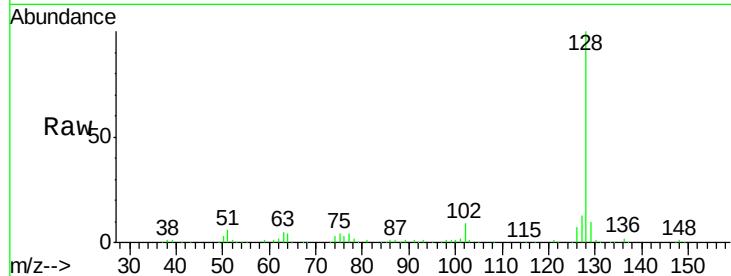




#32
Benzoic acid
Concen: 4.27 ng
RT: 8.23 min Scan# 533
Delta R.T. 0.30 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

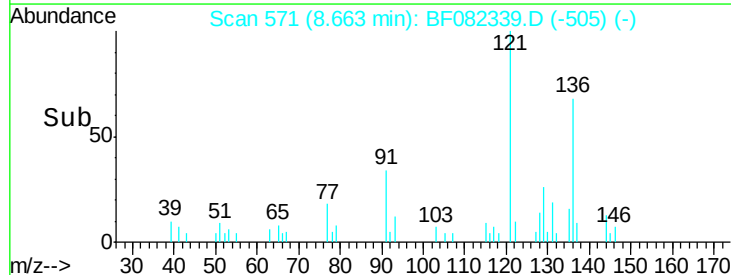
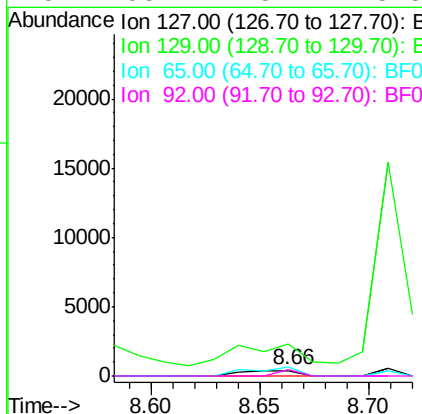
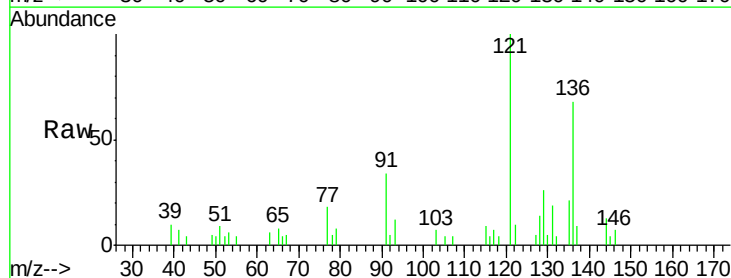
Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

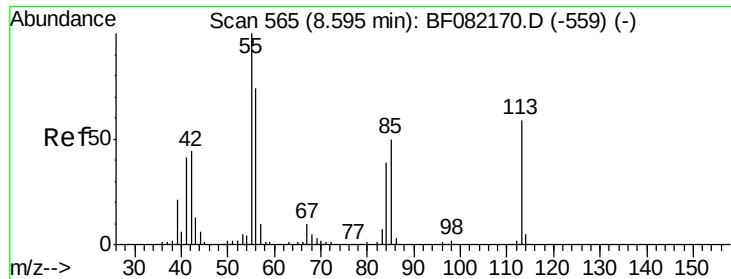
Tot Ion:122 Resp: 418
Ion Ratio Lower Upper
122 100
105 96.2 104.4 144.4#
77 1007.2 69.0 109.0#



#33
4-Chloroaniline
Concen: 3.65 ng
RT: 8.66 min Scan# 571
Delta R.T. 0.46 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Tgt Ion:127 Resp: 740
Ion Ratio Lower Upper
127 100
129 564.8 26.3 39.5#
65 166.0 24.4 36.6#
92 103.2 15.7 23.5#

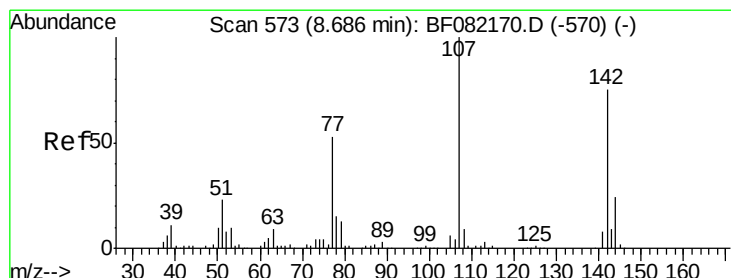
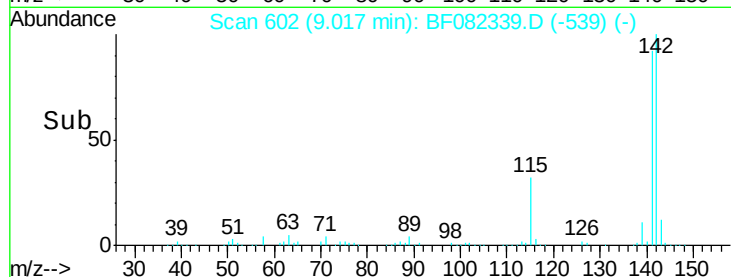
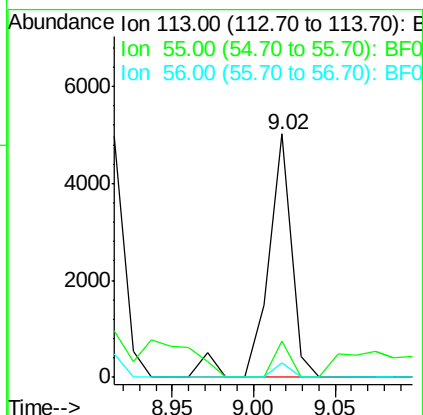
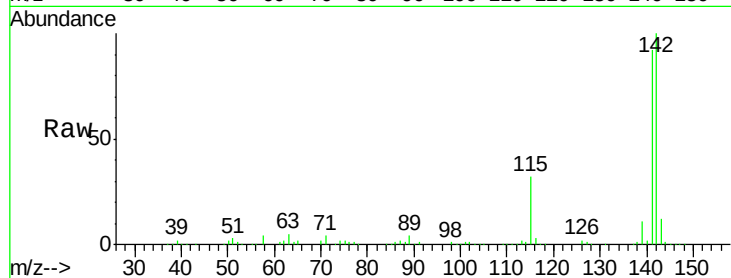




#35
Caprolactam
Concen: 120.52 ng
RT: 9.02 min Scan# 602
Delta R.T. 0.42 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

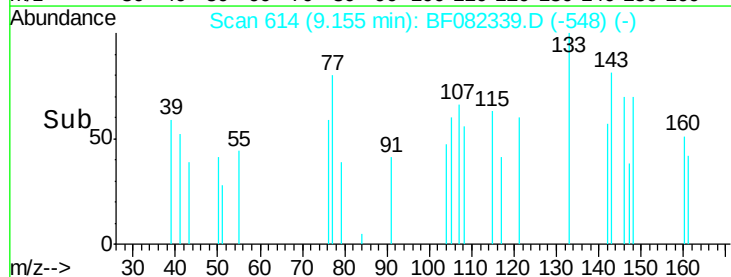
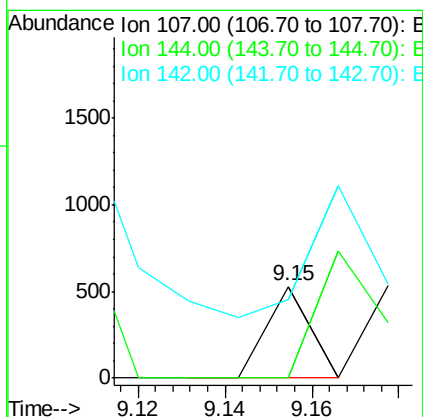
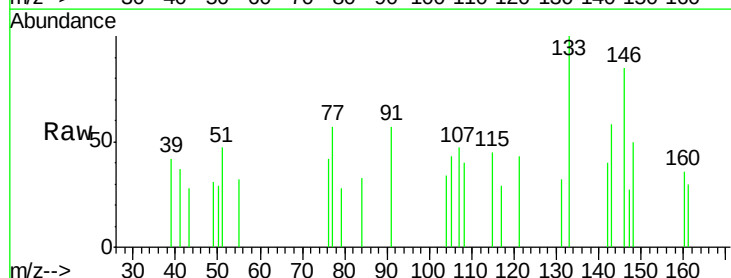
Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

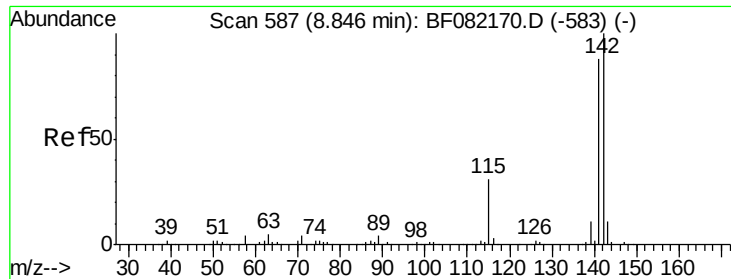
Tot Ion:113 Resp: 5102
Ion Ratio Lower Upper
113 100
55 14.9 149.7 189.7#
56 6.0 105.4 145.4#



#36
4-Chloro-3-methylphenol
Concen: 2.54 ng
RT: 9.15 min Scan# 614
Delta R.T. 0.46 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Tgt Ion:107 Resp: 362
Ion Ratio Lower Upper
107 100
144 0.0 19.3 28.9#
142 86.2 59.9 89.9

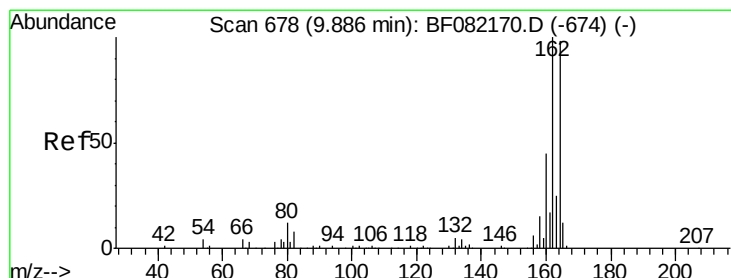
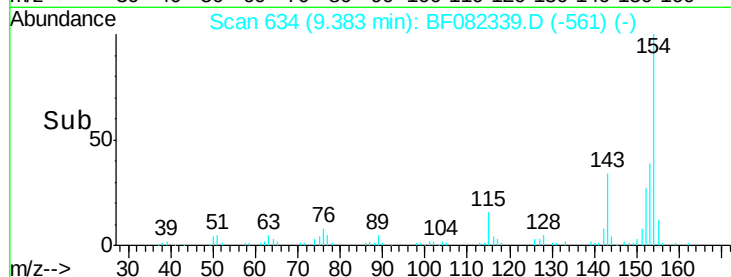
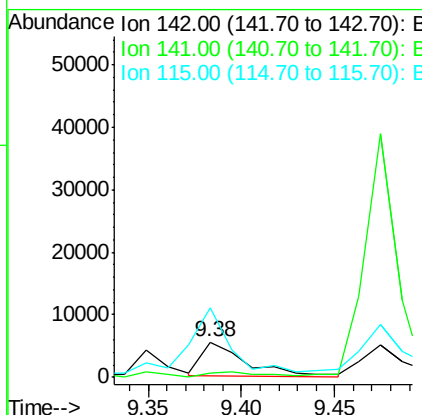
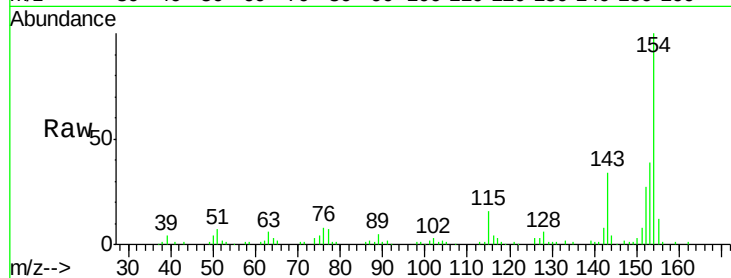




#37
2-Methylnaphthalene
Concen: 27.15 ng
RT: 9.38 min Scan# 634
Delta R.T. 0.54 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

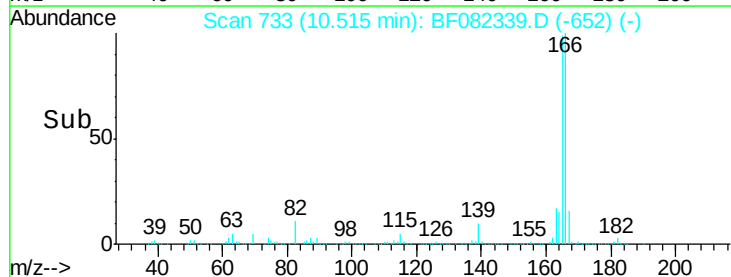
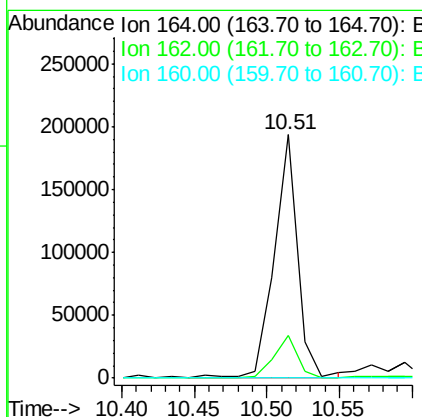
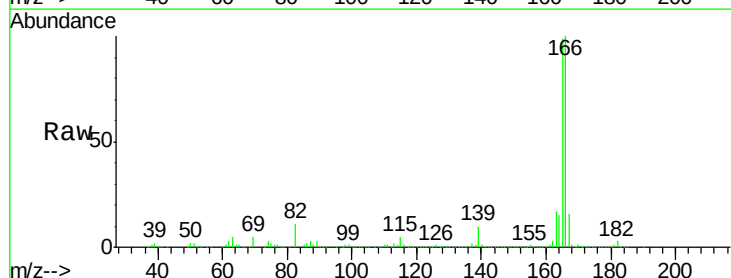
Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

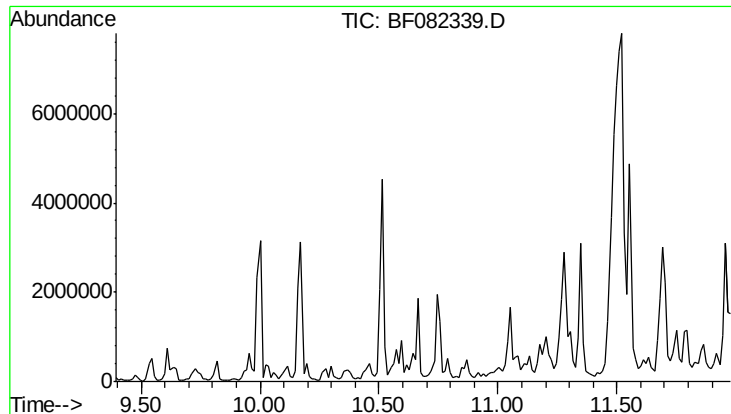
Tot Ion:142 Resp: 9182
Ion Ratio Lower Upper
142 100
141 12.3 70.4 105.6#
115 197.7 24.6 37.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.51 min Scan# 733
Delta R.T. 0.63 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Tgt Ion:164 Resp: 215483
Ion Ratio Lower Upper
164 100
162 17.6 81.6 122.4#
160 0.2 36.4 54.6#





#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 10.69 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112

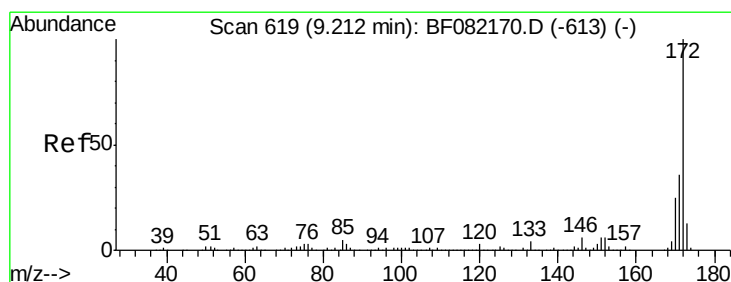
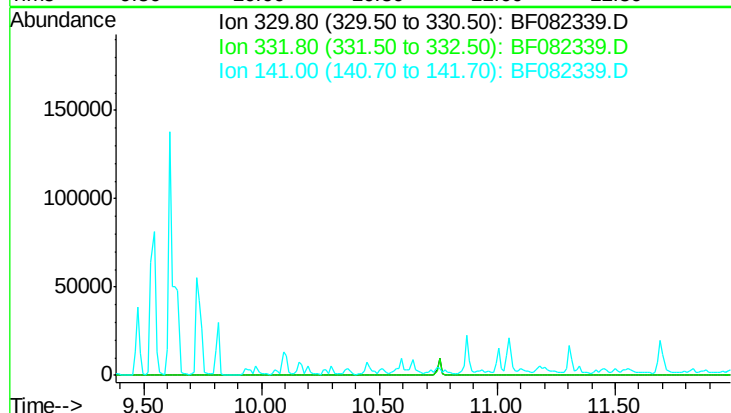
Tot Ion: 330

Sig Exp Ratio

330 100

332 96.4

141 37.3



#44

2-Fluorobiphenyl

Concen: 0.02 ng

RT: 9.81 min Scan# 671

Delta R.T. 0.59 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

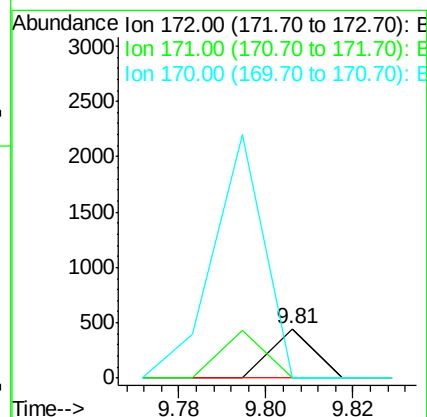
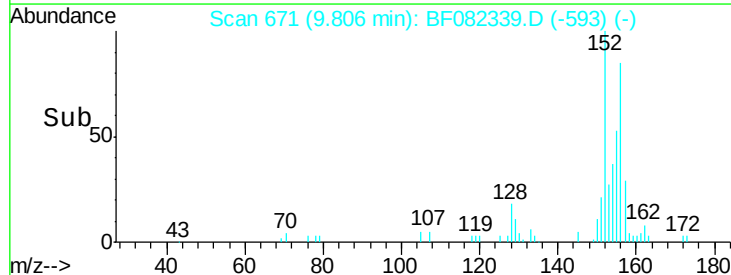
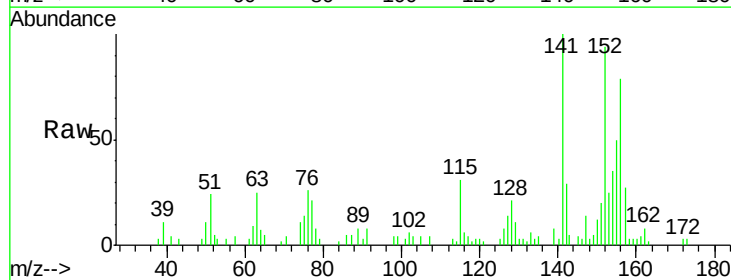
Tgt Ion:172 Resp: 306

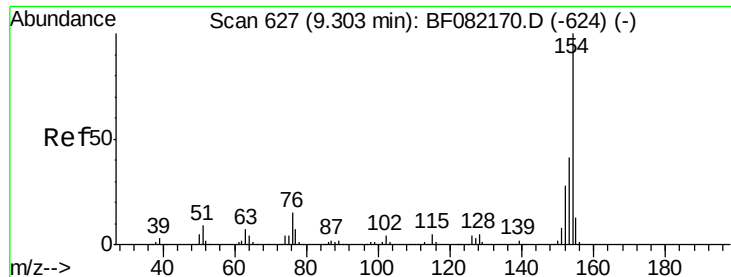
Ion Ratio Lower Upper

172 100

171 0.0 28.6 42.8#

170 0.0 19.7 29.5#





#45

1,1'-Biphenyl

Concen: 59.60 ng

RT: 10.00 min Scan# 688

Delta R.T. 0.69 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112

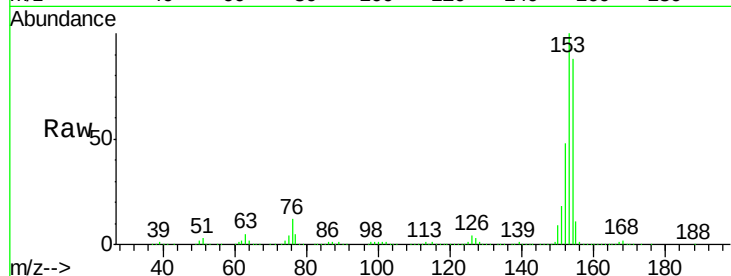
Tot Ion:154 Resp: 979260

Ion Ratio Lower Upper

154 100

153 113.8 20.6 60.6#

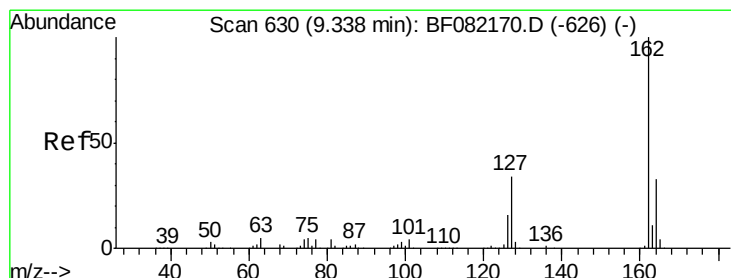
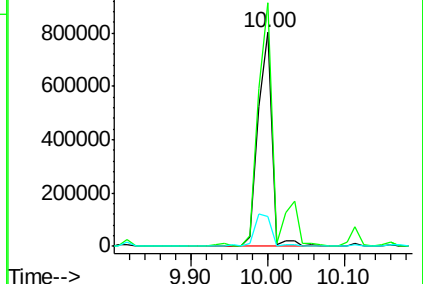
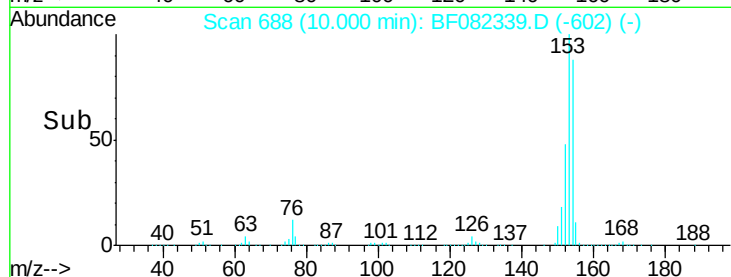
76 14.1 0.0 35.2



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: 10.39 ng

RT: 9.95 min Scan# 684

Delta R.T. 0.62 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

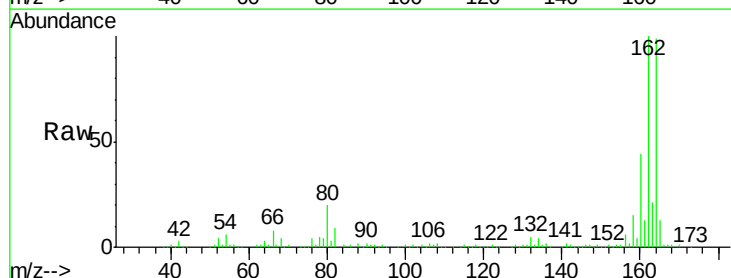
Tgt Ion:162 Resp: 134404

Ion Ratio Lower Upper

162 100

127 0.4 27.5 41.3#

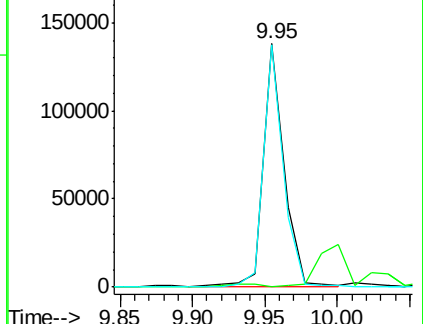
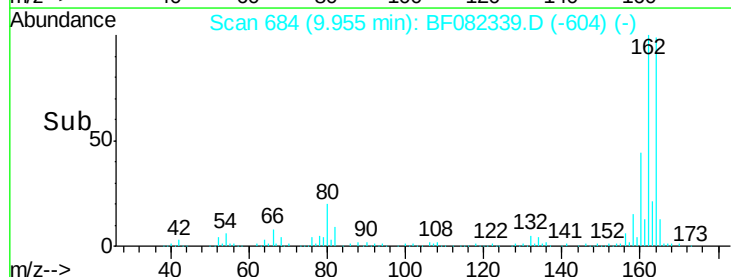
164 99.4 26.6 39.8#

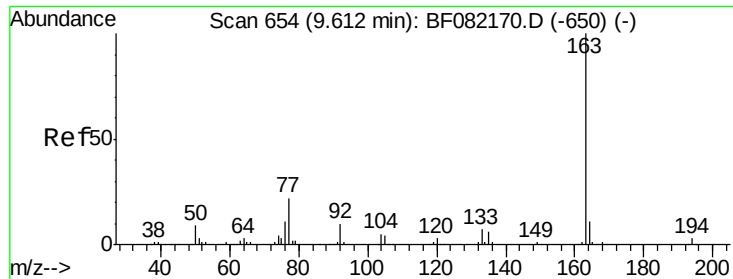


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

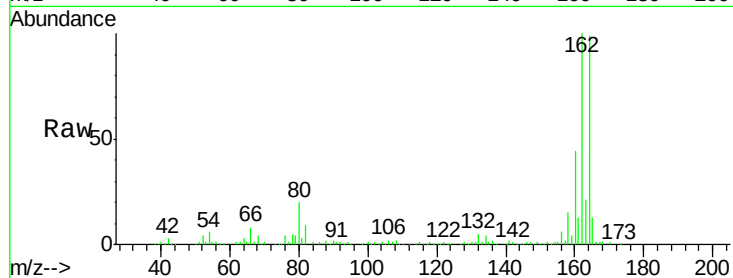




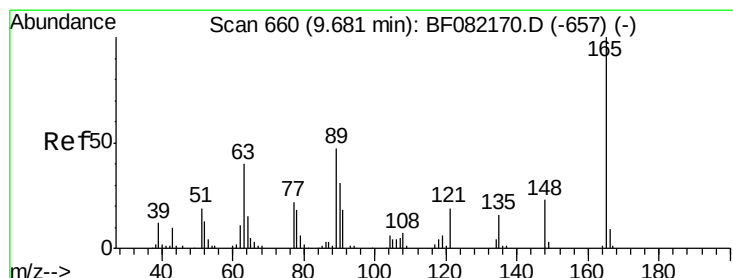
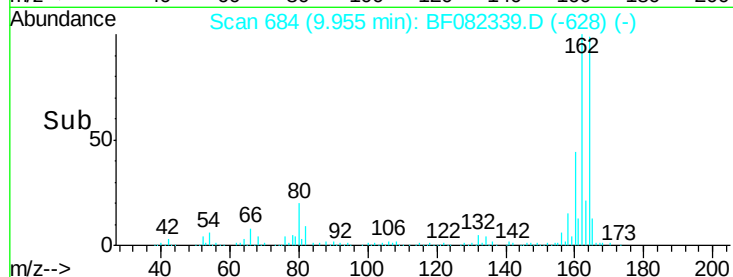
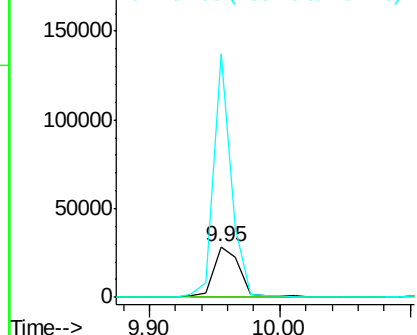
#49
Dimethylphthalate
Concen: 2.50 ng
RT: 9.95 min Scan# 684
Delta R.T. 0.34 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

Tot Ion:163 Resp: 37960
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 478.1 8.5 12.7#

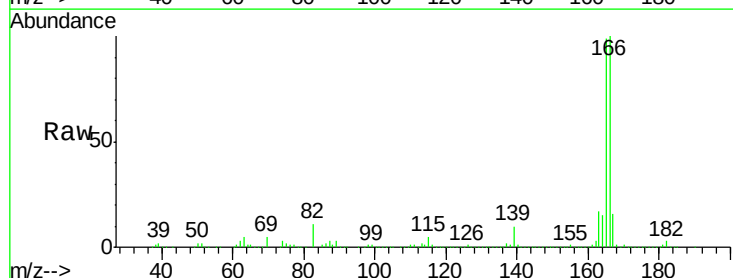


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

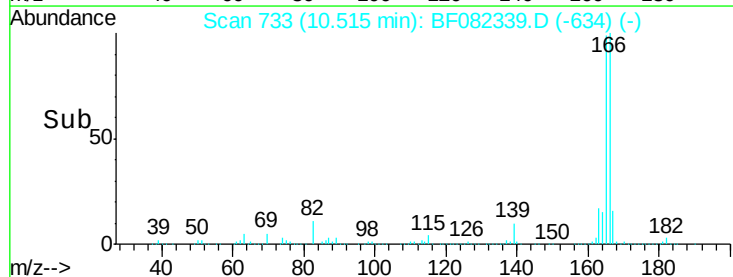
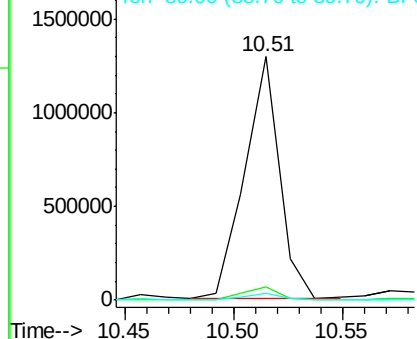


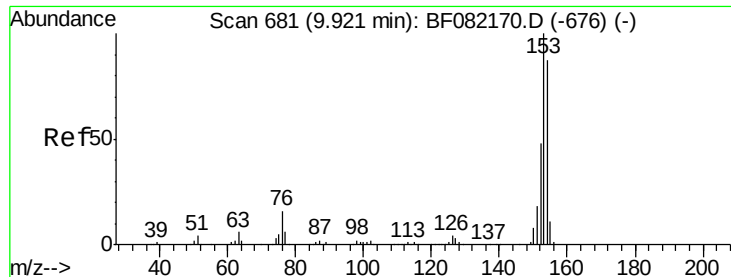
#50
2,6-Dinitrotoluene
Concen: 450.72 ng
RT: 10.51 min Scan# 733
Delta R.T. 0.83 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Tgt Ion:165 Resp: 1443055
Ion Ratio Lower Upper
165 100
63 5.4 36.7 55.1#
89 2.9 37.8 56.6#



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: 2.13 ng

RT: 10.57 min Scan# 738

Delta R.T. 0.65 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112

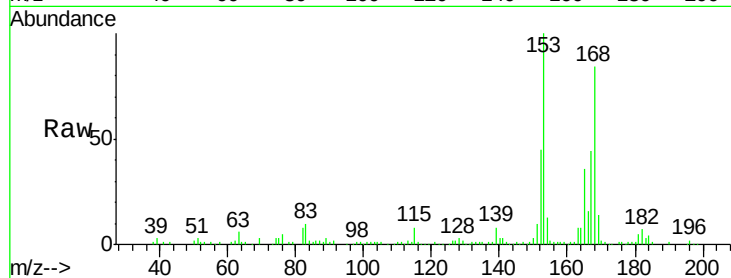
Tot Ion:154 Resp: 25797

Ion Ratio Lower Upper

154 100

153 793.6 91.4 137.2#

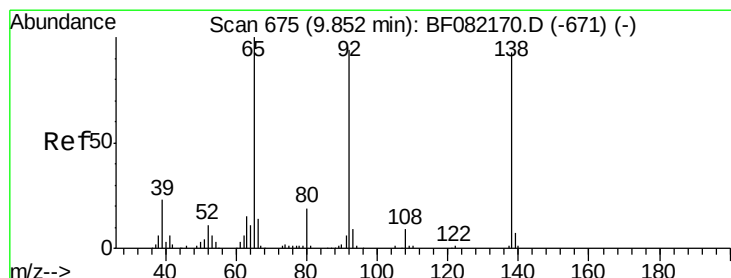
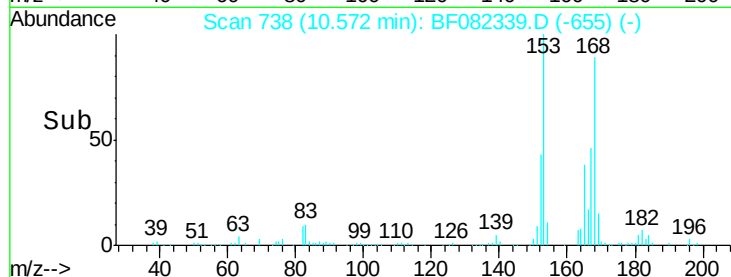
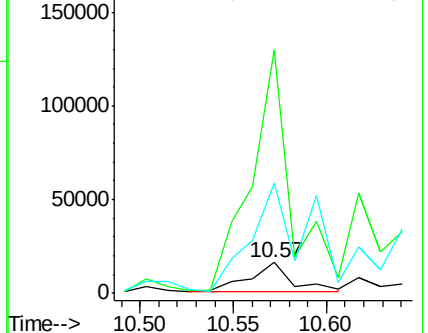
152 358.4 44.3 66.5#



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: 5.64 ng

RT: 10.51 min Scan# 733

Delta R.T. 0.66 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

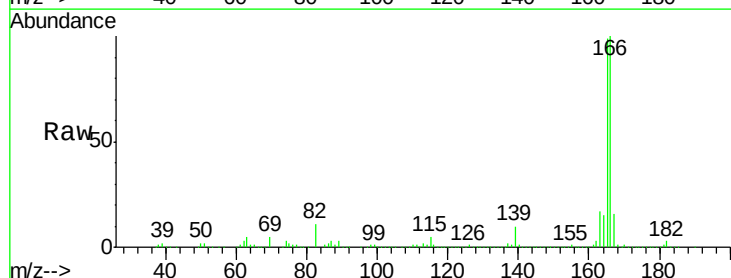
Tgt Ion:138 Resp: 20410

Ion Ratio Lower Upper

138 100

108 6.5 7.4 11.0#

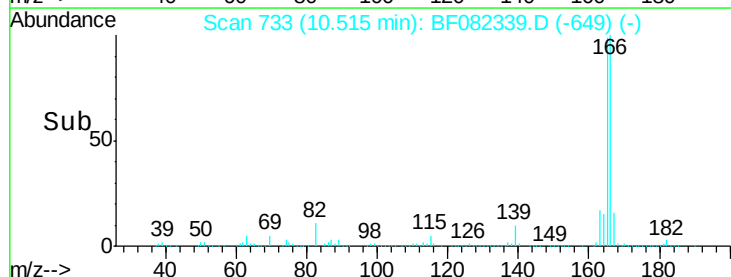
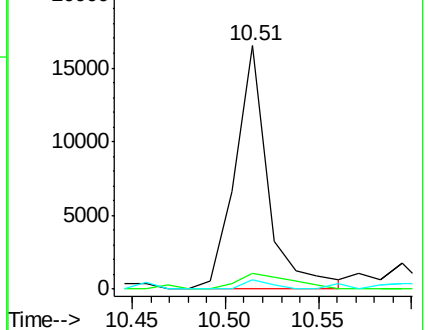
92 3.8 81.3 121.9#

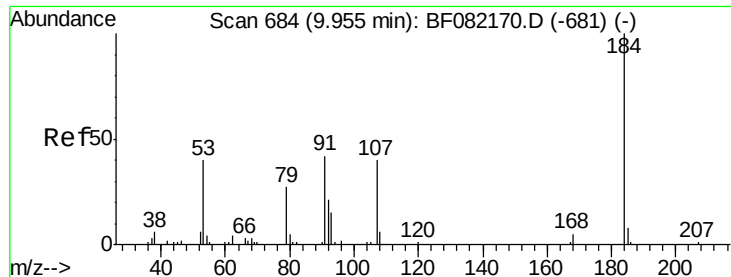


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

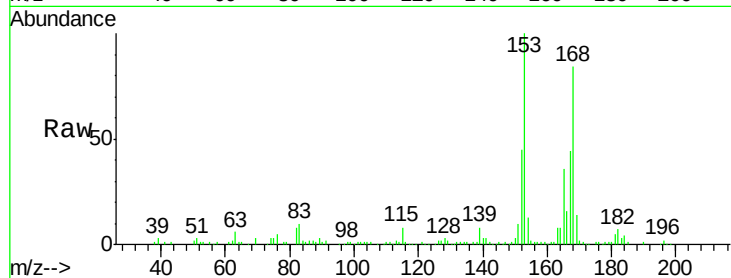




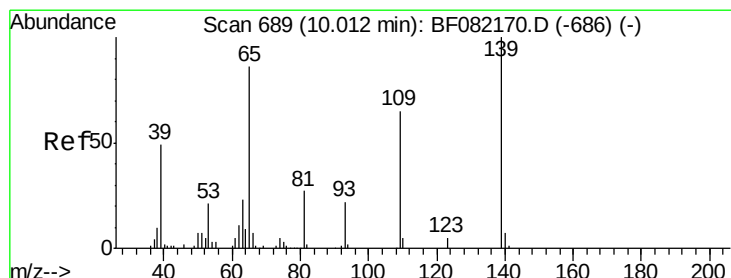
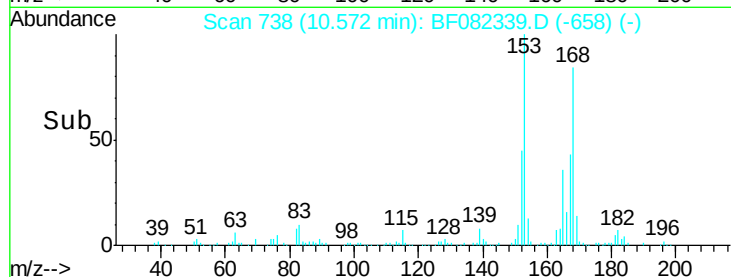
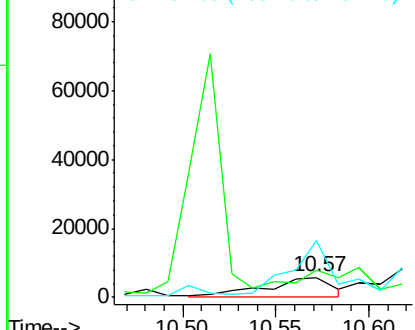
#53
2,4-Dinitrophenol
Concen: 13.30 ng
RT: 10.57 min Scan# 738
Delta R.T. 0.62 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

Tot Ion:184 Resp: 13417
Ion Ratio Lower Upper
184 100
63 136.5 45.1 67.7#
154 286.0 51.2 76.8#

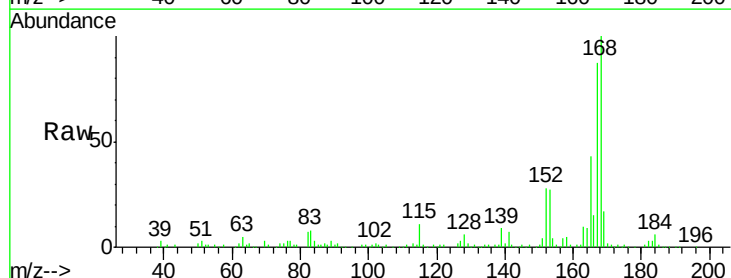


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

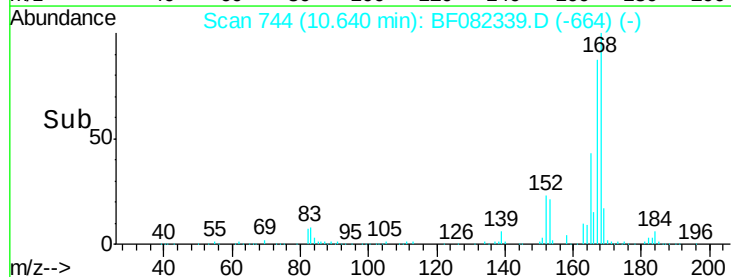
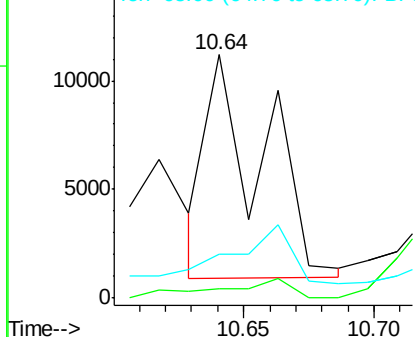


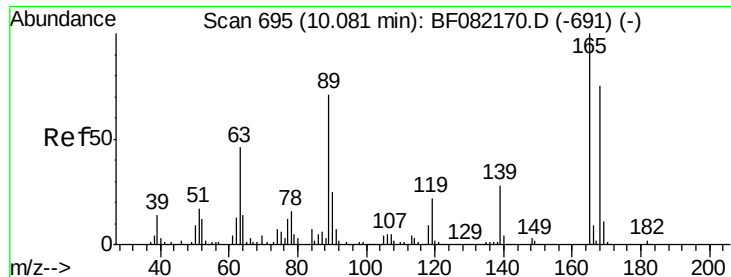
#55
4-Nitrophenol
Concen: 8.57 ng
RT: 10.64 min Scan# 744
Delta R.T. 0.62 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Tgt Ion:139 Resp: 15506
Ion Ratio Lower Upper
139 100
109 4.1 44.8 84.8#
65 17.8 67.7 107.7#



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

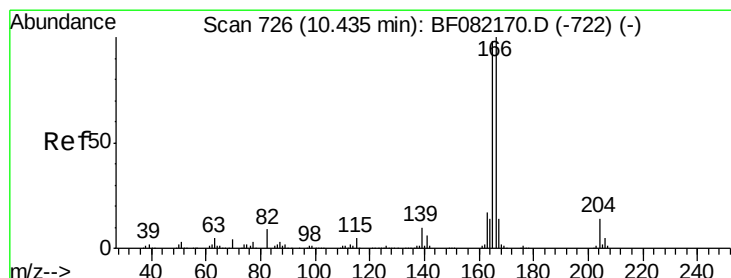
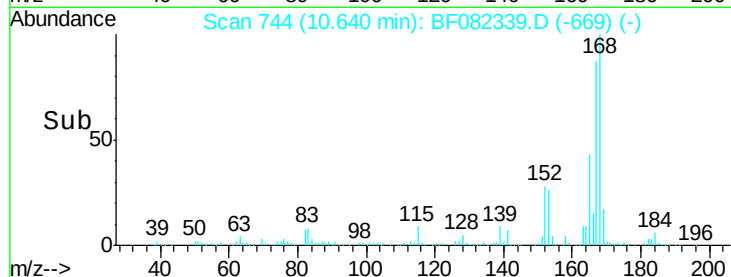
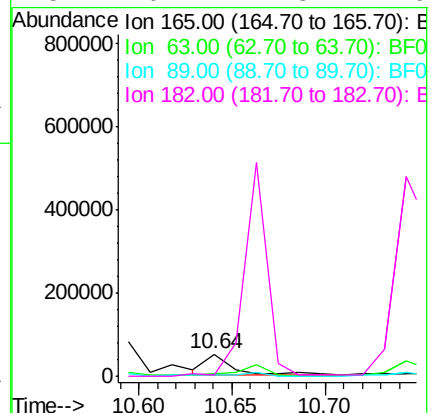
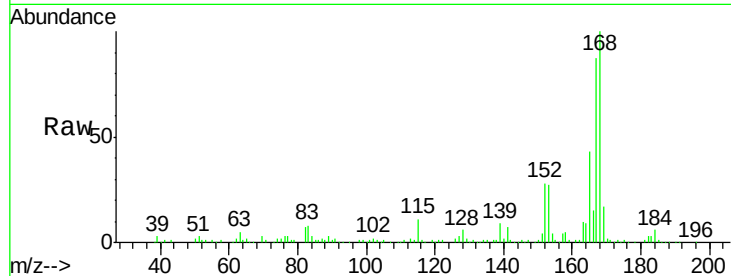




#56
2,4-Dinitrotoluene
Concen: 13.29 ng
RT: 10.64 min Scan# 744
Delta R.T. 0.56 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

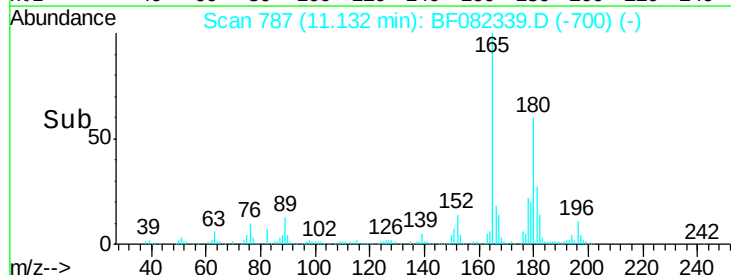
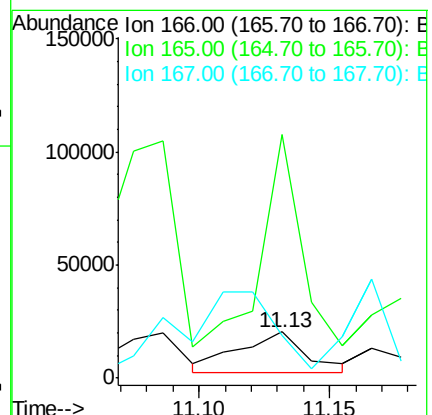
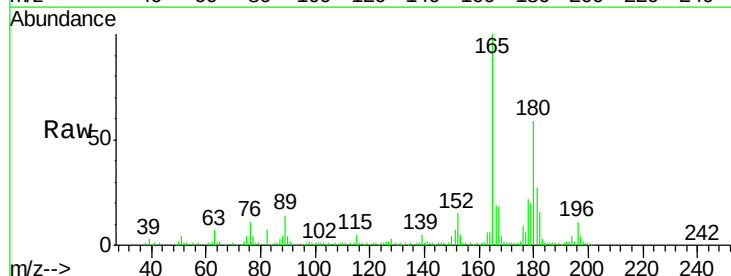
Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

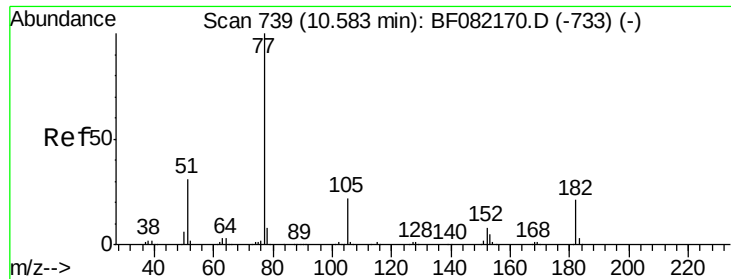
Tot Ion:165 Resp: 53172
Ion Ratio Lower Upper
165 100
63 11.7 38.6 58.0#
89 6.9 57.0 85.6#
182 6.1 1.8 2.6#



#57
Fluorene
Concen: 2.39 ng
RT: 11.13 min Scan# 787
Delta R.T. 0.70 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Tgt Ion:166 Resp: 32582
Ion Ratio Lower Upper
166 100
165 529.2 78.3 117.5#
167 93.9 10.8 16.2#





#62

Azobenzene

Concen: 2.43 ng

RT: 11.28 min Scan# 800

Delta R.T. 0.70 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112

Tot Ion: 77 Resp: 33688

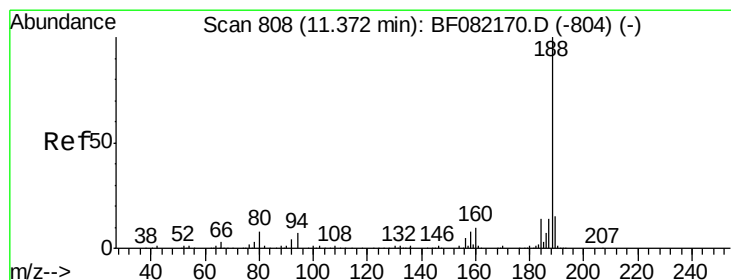
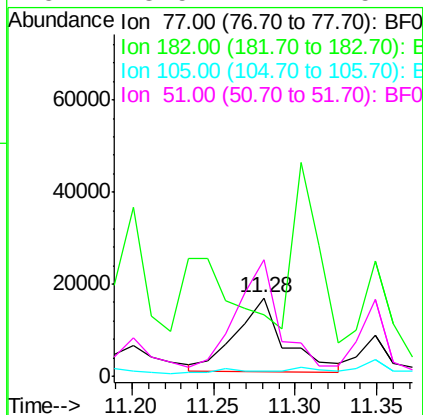
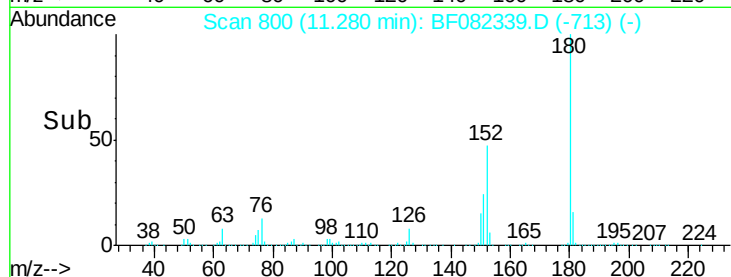
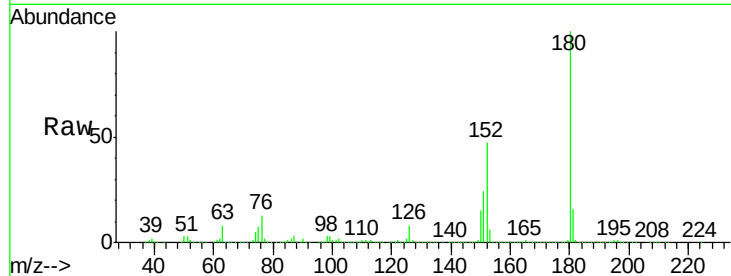
Ion Ratio Lower Upper

77 100

182 77.7 0.5 40.5#

105 6.1 1.8 41.8

51 148.5 11.2 51.2#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.08 min Scan# 870

Delta R.T. 0.71 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

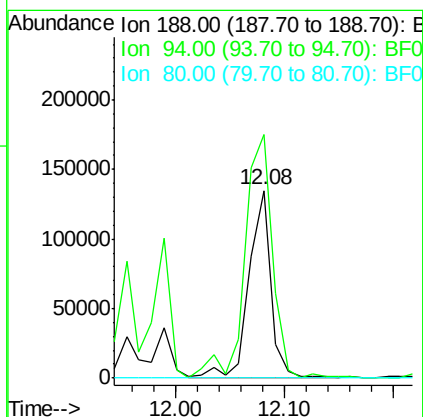
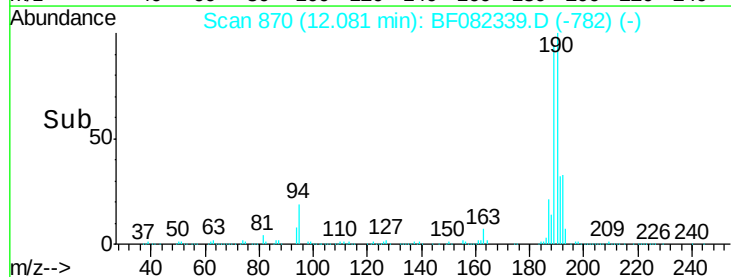
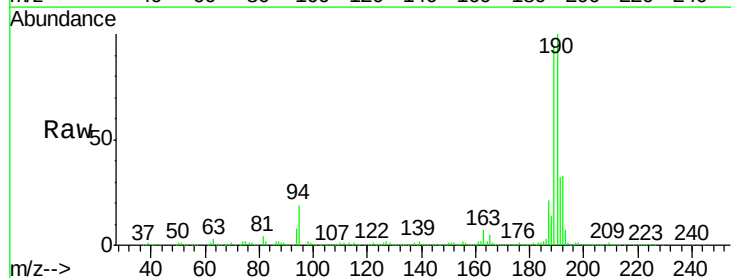
Tgt Ion: 188 Resp: 186482

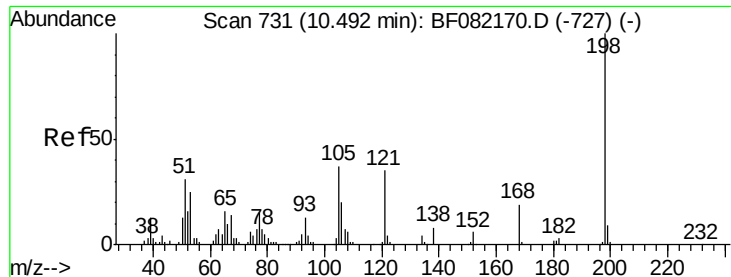
Ion Ratio Lower Upper

188 100

94 129.7 5.8 8.6#

80 0.0 6.4 9.6#

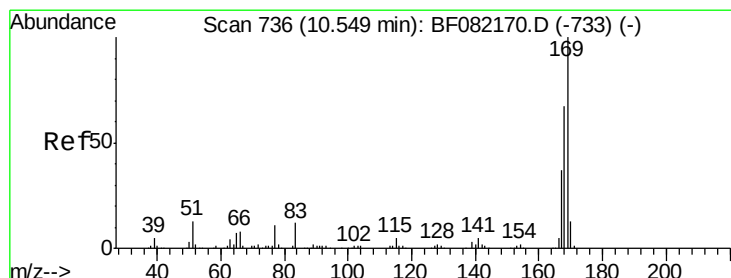
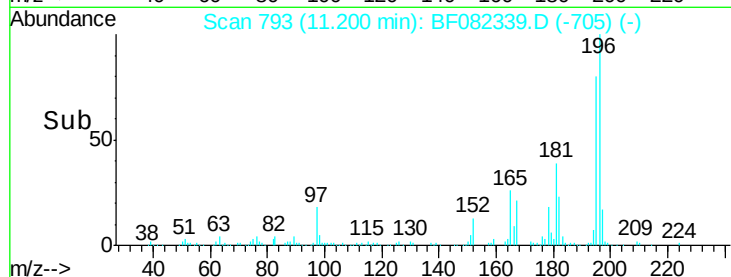
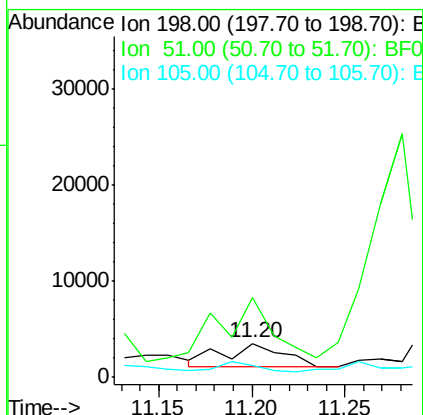
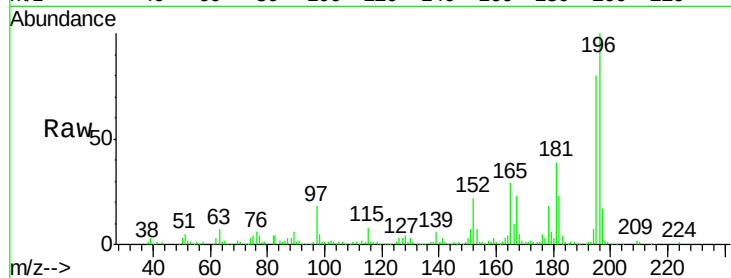




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.11 ng
 RT: 11.20 min Scan# 793
 Delta R.T. 0.71 min
 Lab File: BF082339.D
 Acq: 16 Oct 2015 21:39

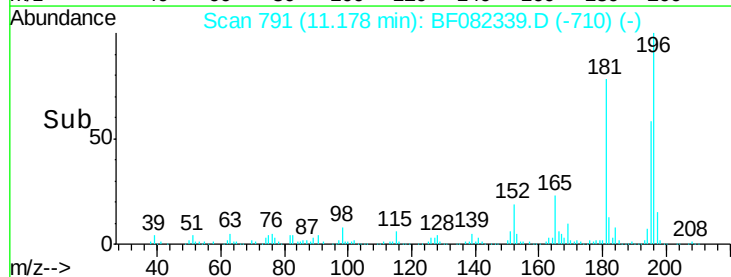
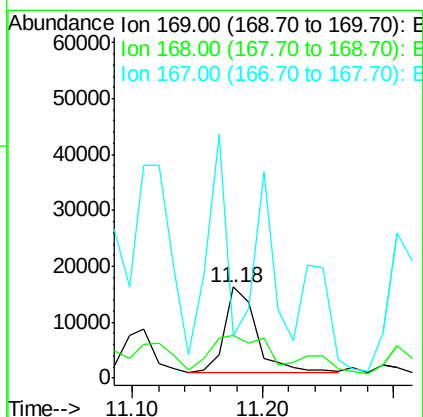
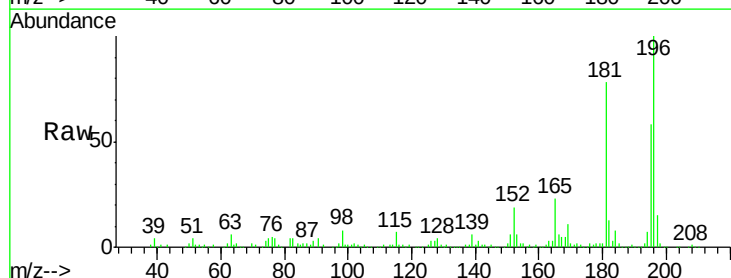
Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKEN112

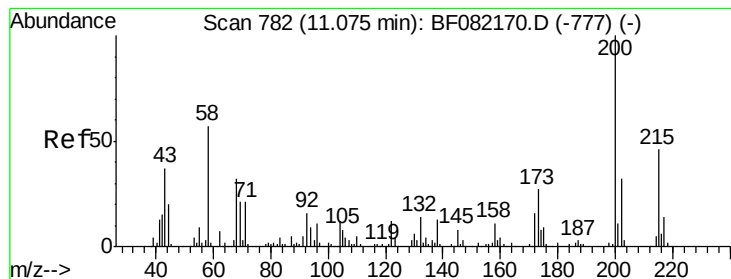
Tot Ion:198 Resp: 5350
 Ion Ratio Lower Upper
 198 100
 51 235.2 13.6 53.6#
 105 34.0 17.1 57.1



#65
 n-Nitrosodiphenylamine
 Concen: 4.55 ng
 RT: 11.18 min Scan# 791
 Delta R.T. 0.63 min
 Lab File: BF082339.D
 Acq: 16 Oct 2015 21:39

Tgt Ion:169 Resp: 25379
 Ion Ratio Lower Upper
 169 100
 168 46.9 54.0 81.0#
 167 46.4 29.6 44.4#





#68

Atrazine

Concen: 3.51 ng

RT: 11.78 min Scan# 844

Delta R.T. 0.70 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112

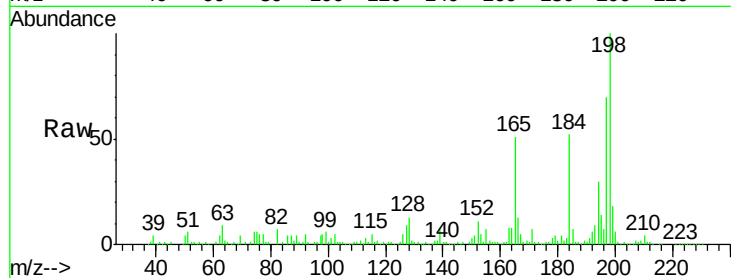
Tot Ion:200 Resp: 6217

Ion Ratio Lower Upper

200 100

173 20.9 7.3 47.3

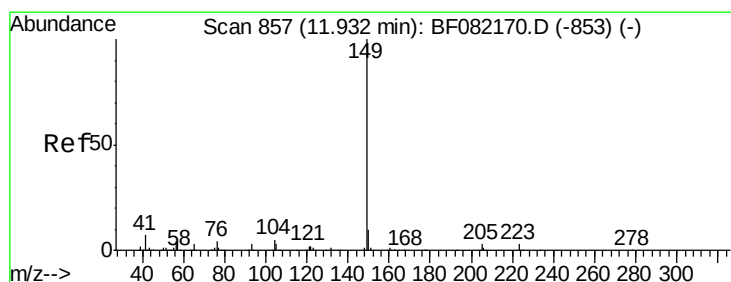
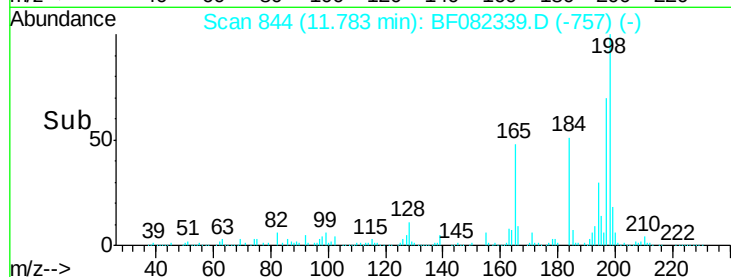
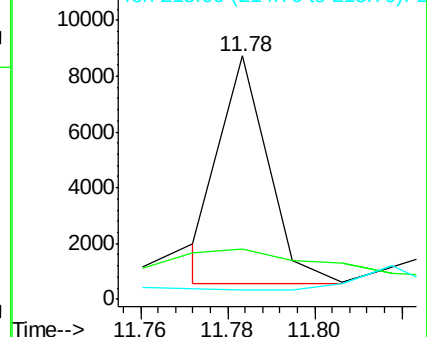
215 3.7 26.2 66.2#



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



#73

Di-n-butylphthalate

Concen: 6.54 ng

RT: 12.71 min Scan# 925

Delta R.T. 0.78 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

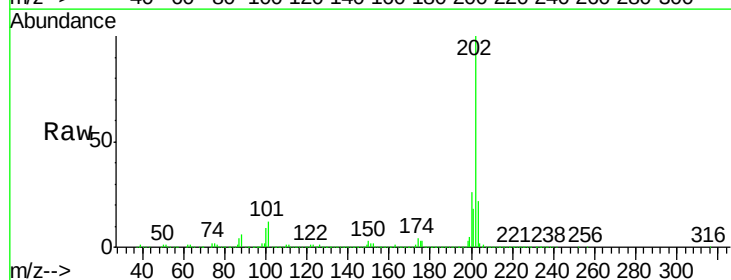
Tgt Ion:149 Resp: 69333

Ion Ratio Lower Upper

149 100

150 281.6 7.8 11.6#

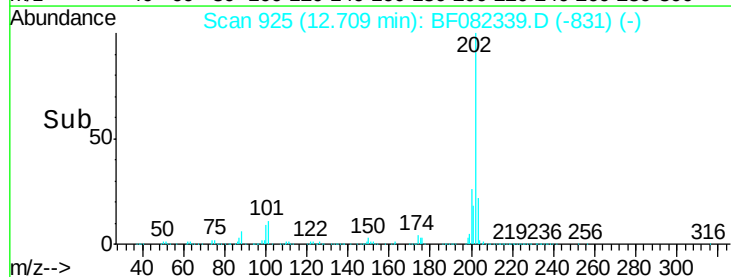
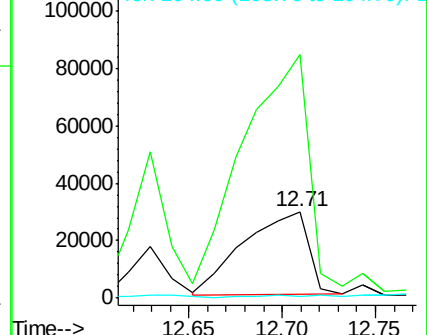
104 2.1 3.8 5.8#

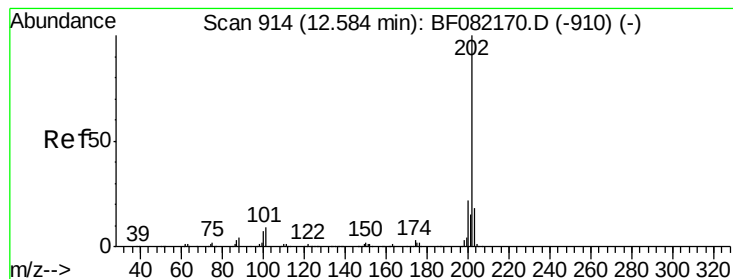


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

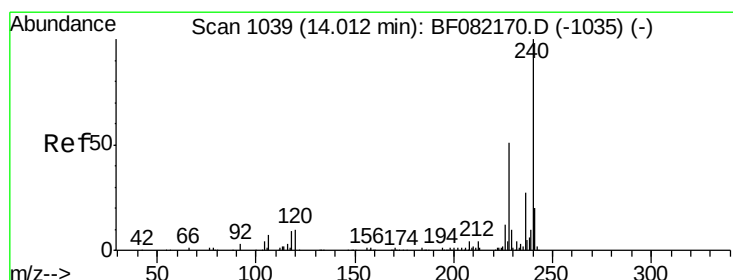
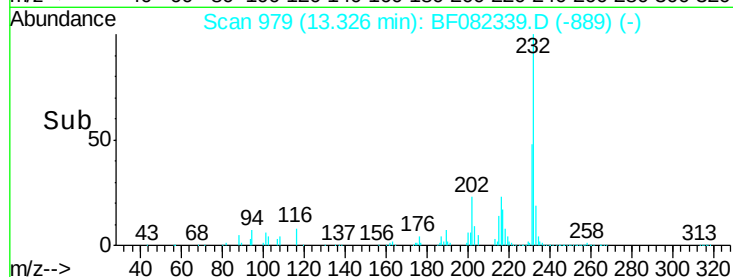
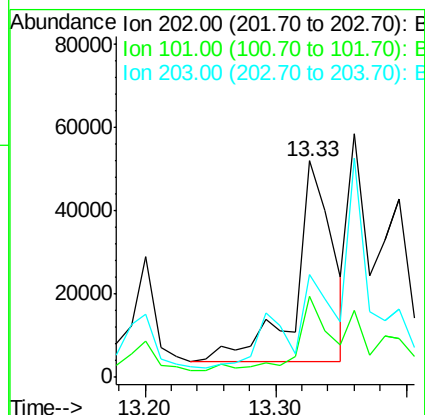
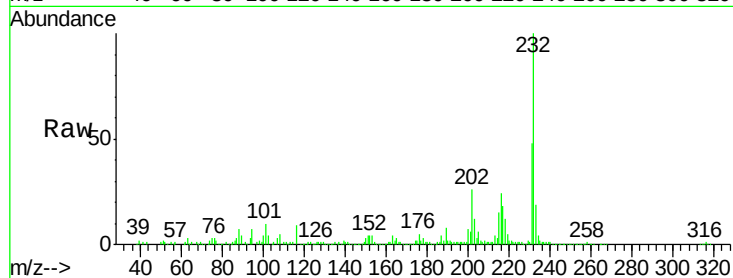




#74
 Fluoranthene
 Concen: 9.72 ng
 RT: 13.33 min Scan# 979
 Delta R.T. 0.73 min
 Lab File: BF082339.D
 Acq: 16 Oct 2015 21:39

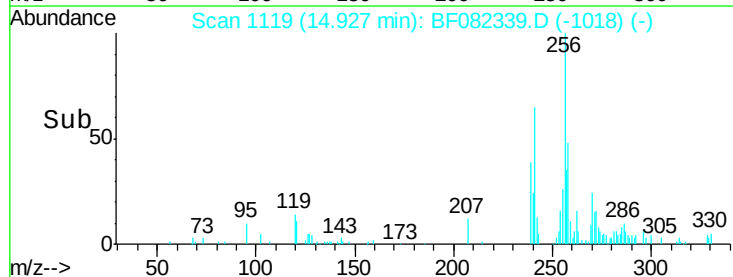
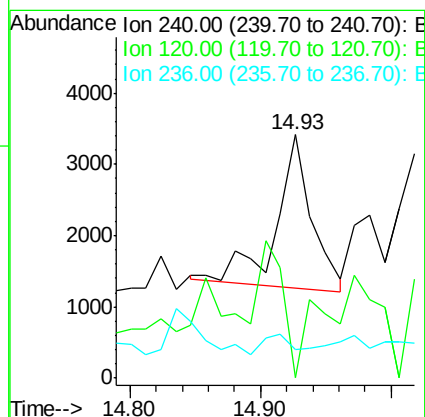
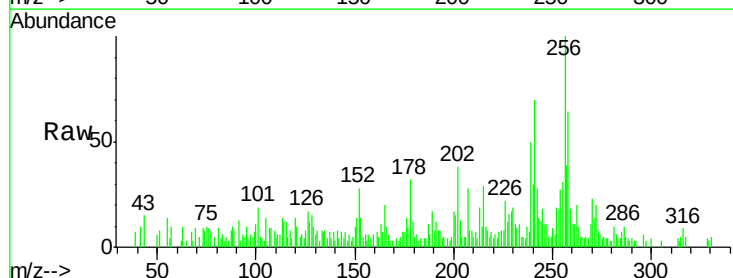
Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKEN112

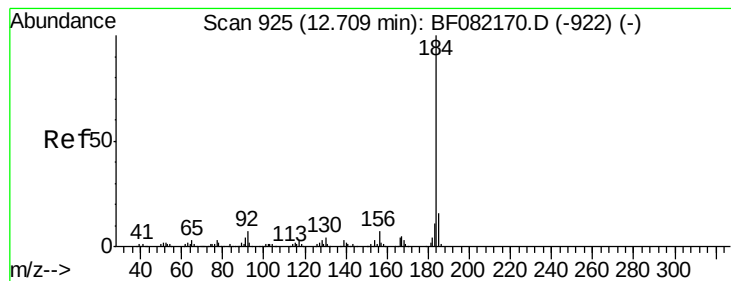
Tot Ion:202 Resp: 95440
 Ion Ratio Lower Upper
 202 100
 101 37.6 0.0 29.3#
 203 47.5 0.0 37.8#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.93 min Scan# 1119
 Delta R.T. 0.86 min
 Lab File: BF082339.D
 Acq: 16 Oct 2015 21:39

Tgt Ion:240 Resp: 4084
 Ion Ratio Lower Upper
 240 100
 120 34.5 8.1 12.1#
 236 11.9 21.3 31.9#





#76

Benzidine

Concen: 2.48 ng

RT: 13.54 min Scan# 998

Delta R.T. 0.82 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112

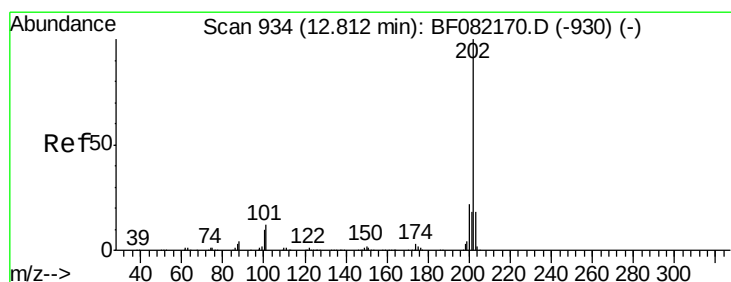
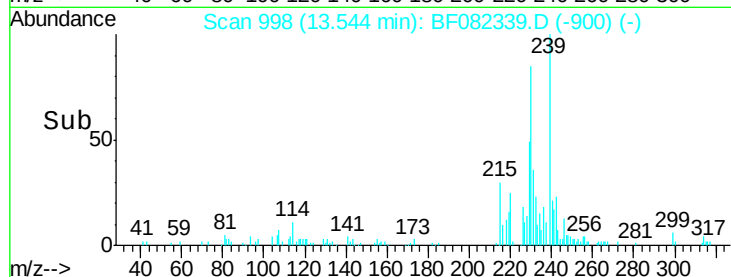
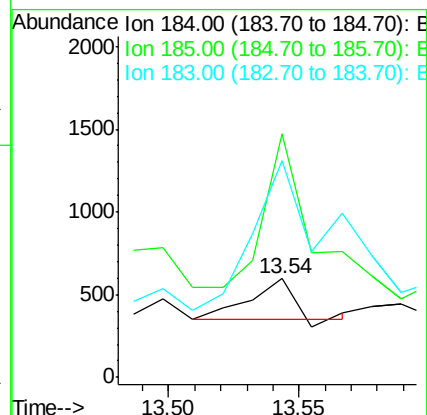
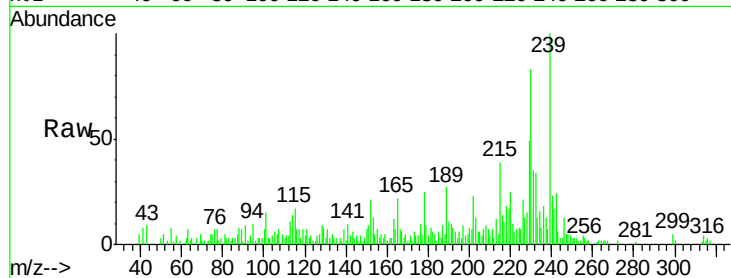
Tot Ion:184 Resp: 293

Ion Ratio Lower Upper

184 100

185 247.0 12.5 18.7#

183 220.1 9.1 13.7#



#77

Pyrene

Concen: 86.45 ng

RT: 13.63 min Scan# 1006

Delta R.T. 0.81 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

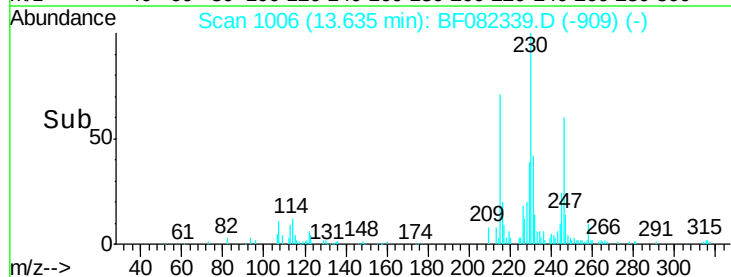
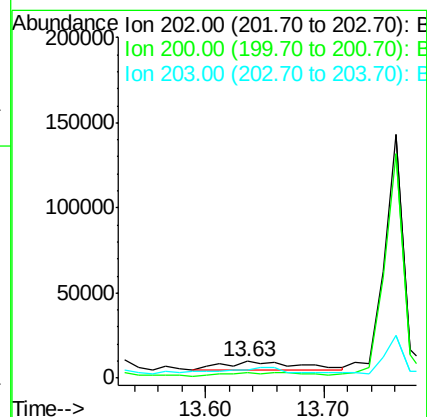
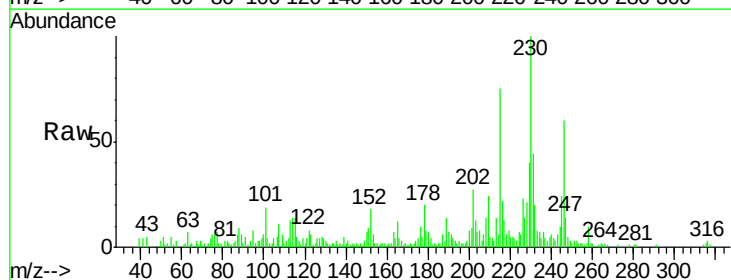
Tgt Ion:202 Resp: 20952

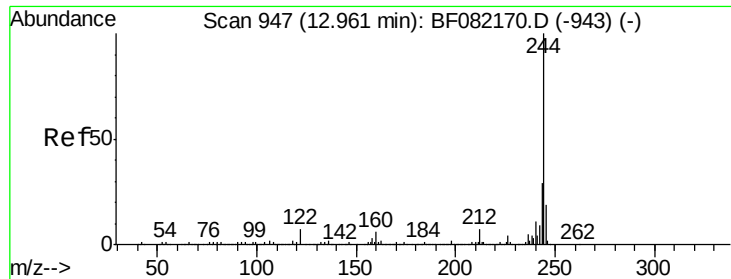
Ion Ratio Lower Upper

202 100

200 29.8 17.9 26.9#

203 45.8 14.5 21.7#





#78

Terphenyl-d14

Concen: 25.50 ng

RT: 13.80 min Scan# 1020

Delta R.T. 0.83 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112

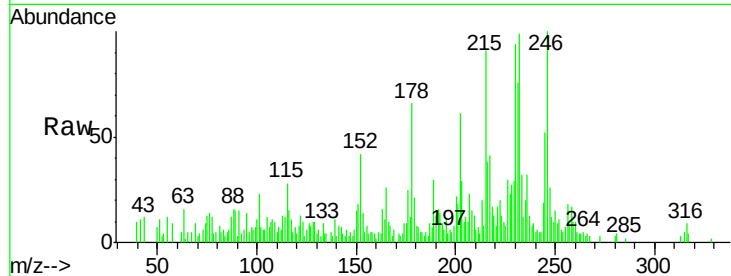
Tot Ion:244 Resp: 3930

Ion Ratio Lower Upper

244 100

212 21.5 5.8 8.6#

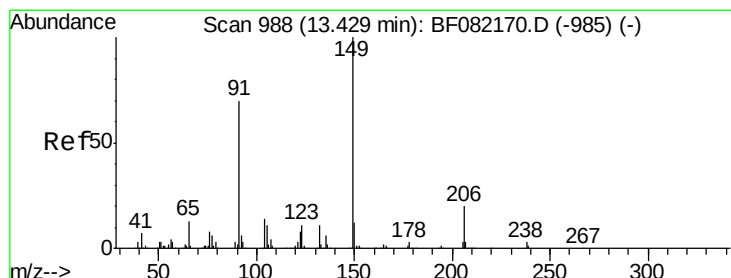
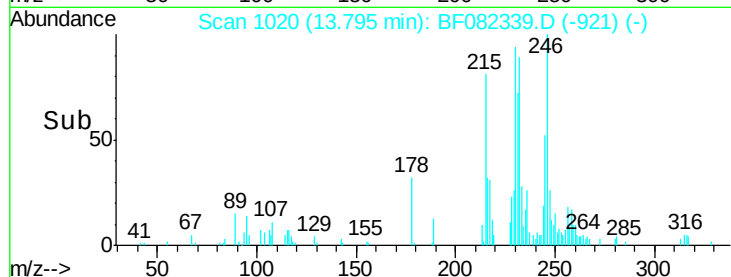
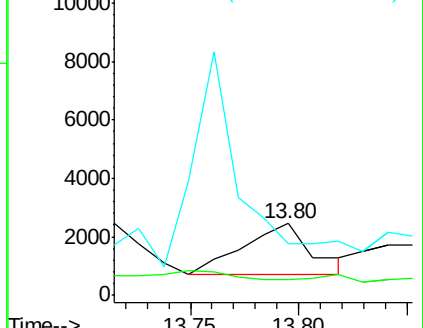
122 71.2 5.9 8.9#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 19.15 ng

RT: 14.30 min Scan# 1064

Delta R.T. 0.85 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

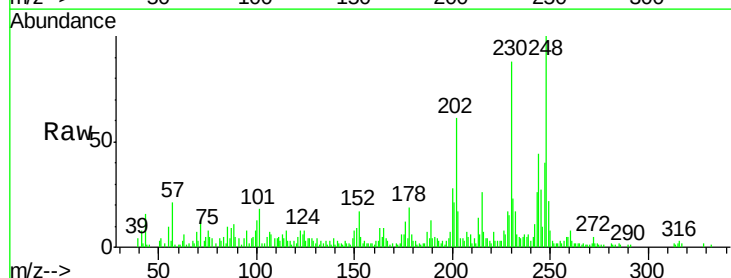
Tgt Ion:149 Resp: 2118

Ion Ratio Lower Upper

149 100

91 107.5 55.7 83.5#

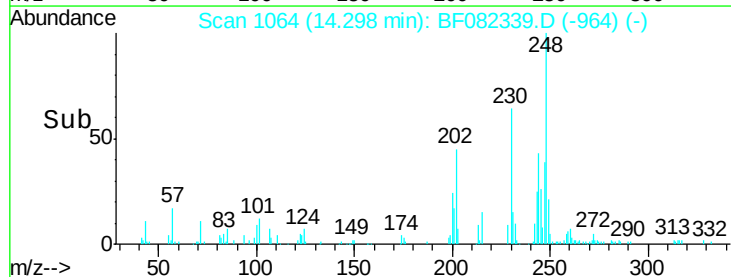
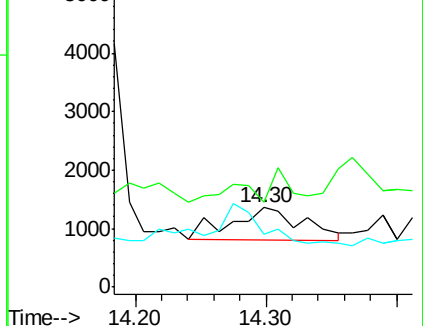
206 66.2 15.6 23.4#

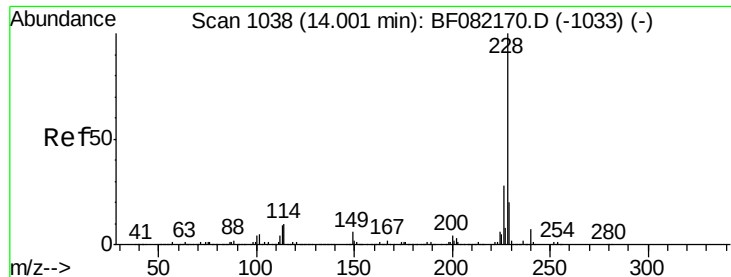


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

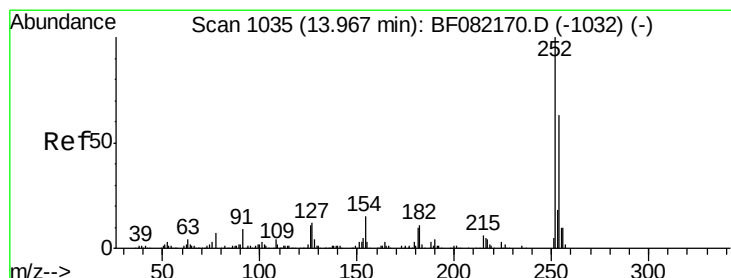
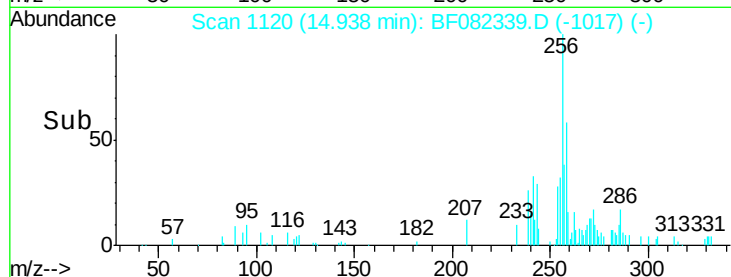
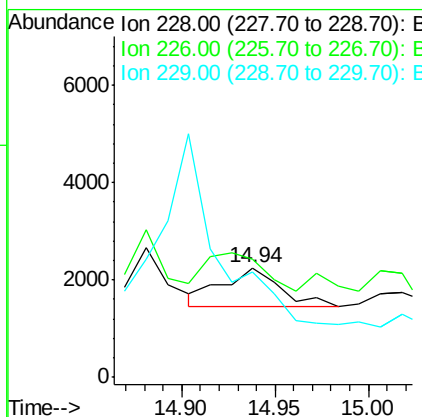
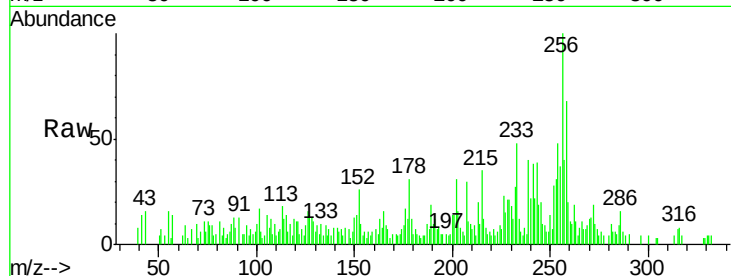




#80
Benzo(a)anthracene
Concen: 7.78 ng
RT: 14.94 min Scan# 1120
Delta R.T. 0.88 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

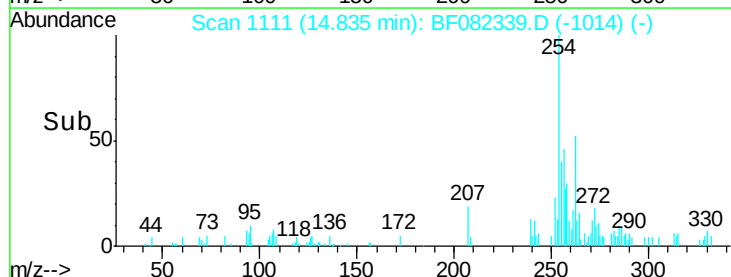
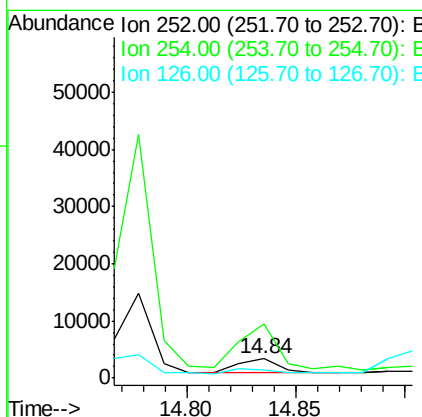
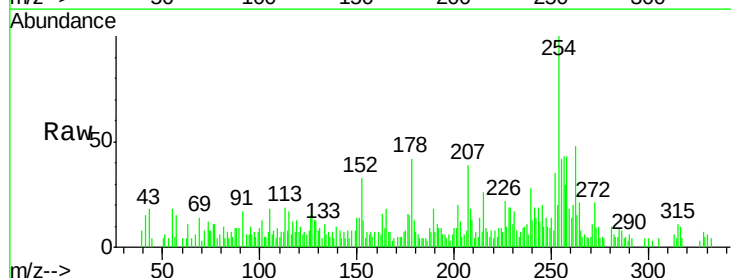
Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

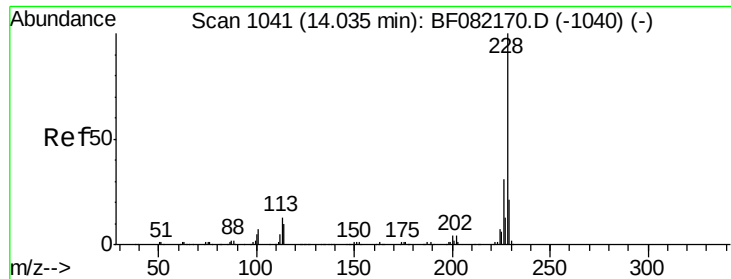
Tot Ion:228 Resp: 1654
Ion Ratio Lower Upper
228 100
226 107.7 22.3 33.5#
229 96.9 16.2 24.2#



#81
3,3'-Dichlorobenzidine
Concen: 40.48 ng
RT: 14.84 min Scan# 1111
Delta R.T. 0.81 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Tgt Ion:252 Resp: 3265
Ion Ratio Lower Upper
252 100
254 287.0 50.7 76.1#
126 43.5 9.0 13.6#

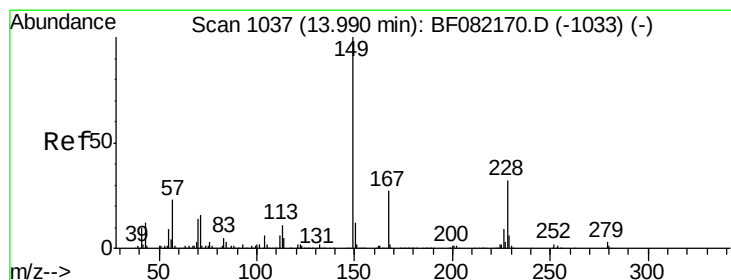
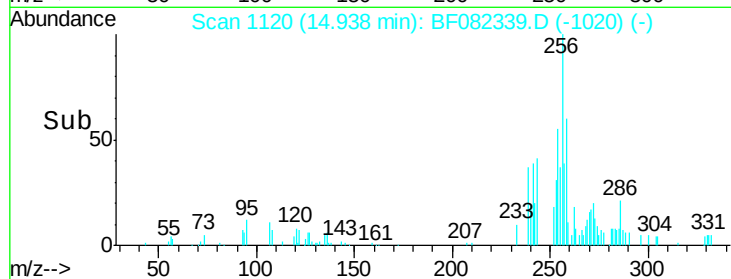
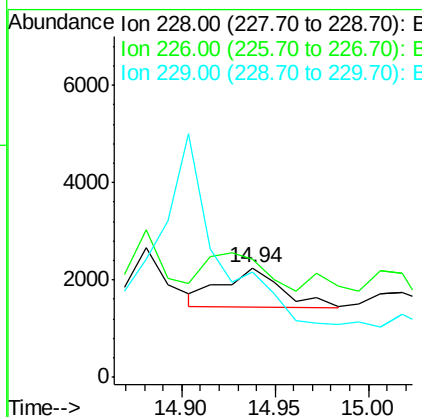
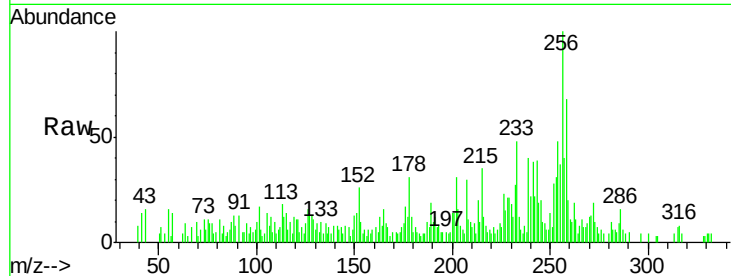




#82
Chrysene
Concen: 7.78 ng
RT: 14.94 min Scan# 1120
Delta R.T. 0.85 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

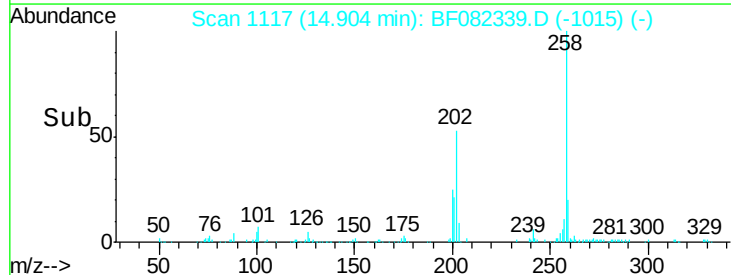
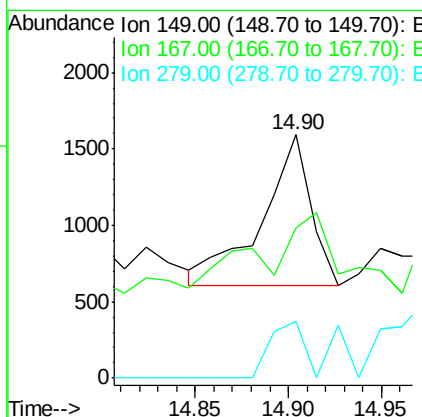
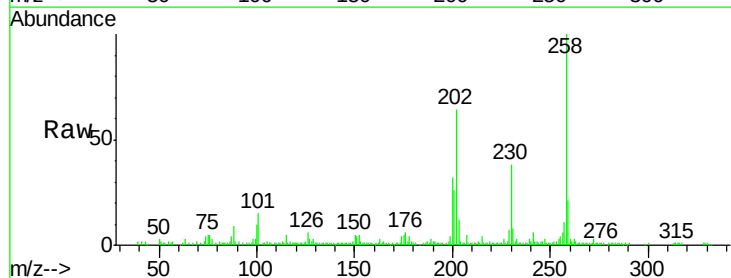
Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

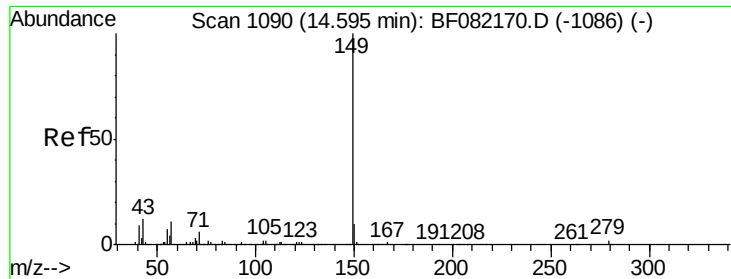
Tot Ion:228 Resp: 1743
Ion Ratio Lower Upper
228 100
226 107.7 24.4 36.6#
229 96.9 16.3 24.5#



#83
Bis(2-ethylhexyl)phthalate
Concen: 11.32 ng
RT: 14.90 min Scan# 1117
Delta R.T. 0.87 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Tgt Ion:149 Resp: 1786
Ion Ratio Lower Upper
149 100
167 61.9 21.3 31.9#
279 23.5 2.6 4.0#

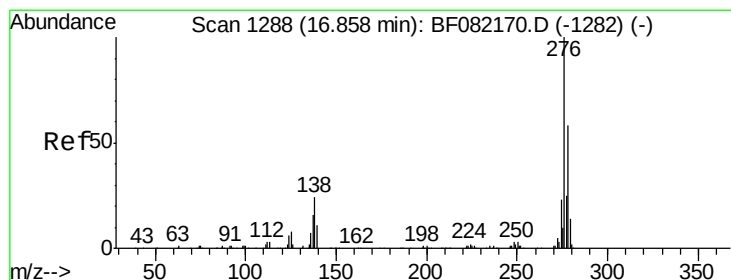
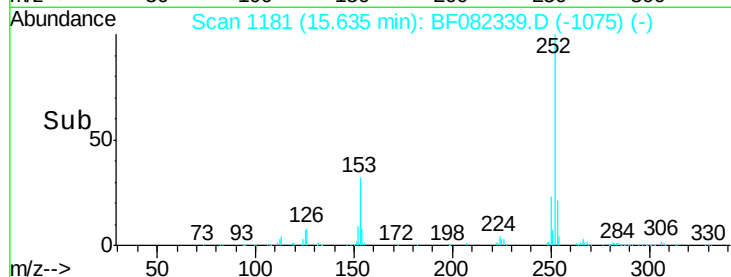
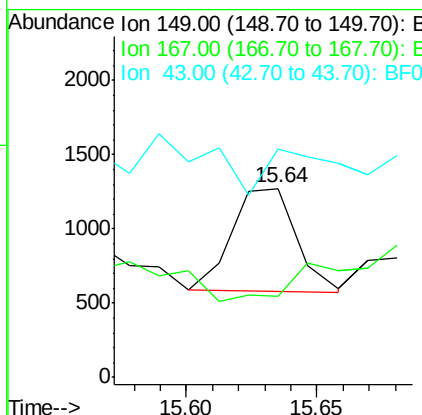
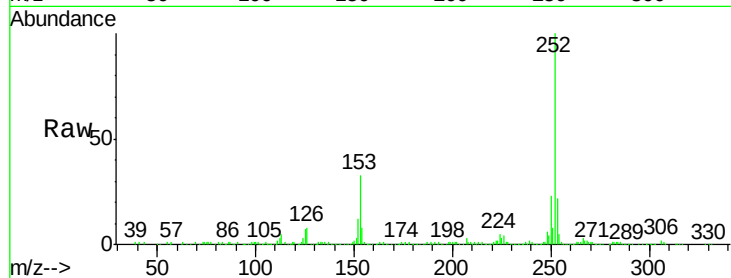




#84
Di-n-octyl phthalate
Concen: 4.37 ng
RT: 15.64 min Scan# 1181
Delta R.T. 0.91 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

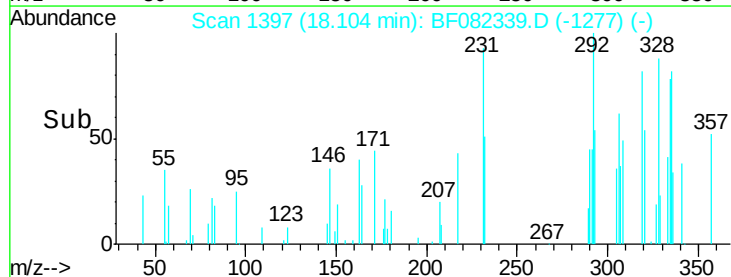
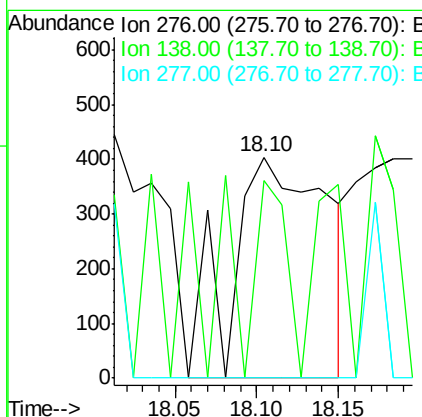
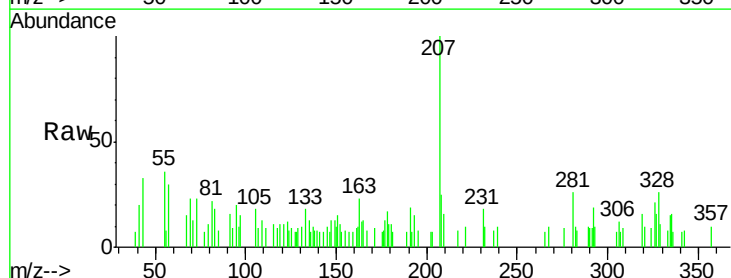
Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

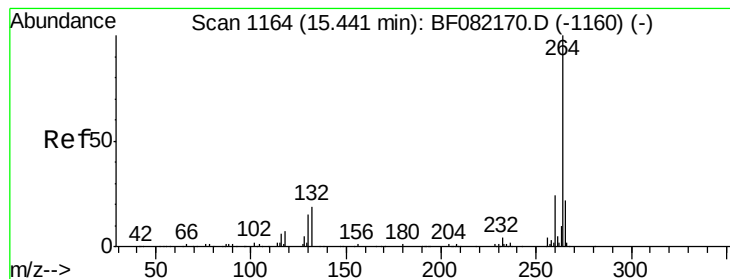
Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.3	1.9#
43	53.4	7.4	11.2#



#85
Indeno(1,2,3-cd)pyrene
Concen: 9.24 ng
RT: 18.10 min Scan# 1397
Delta R.T. 1.07 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	19.7	29.5#
277	0.0	20.1	30.1#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.50 min Scan# 1257

Delta R.T. 0.91 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112

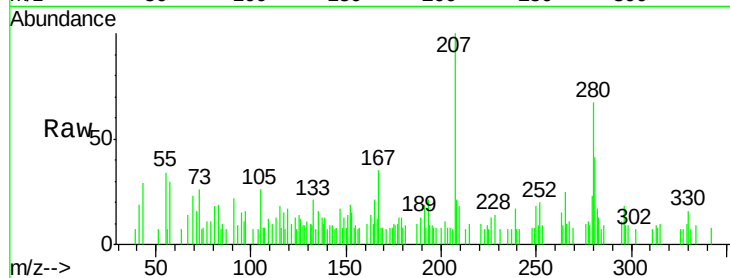
Tot Ion:264 Resp: 1480

Ion Ratio Lower Upper

264 100

260 0.0 19.0 28.6#

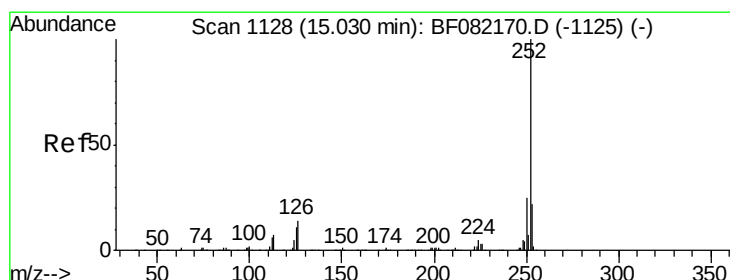
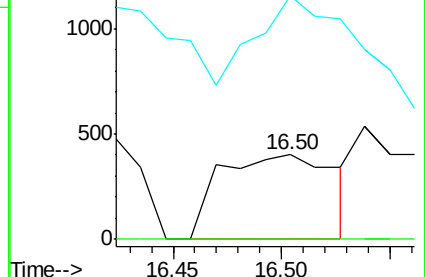
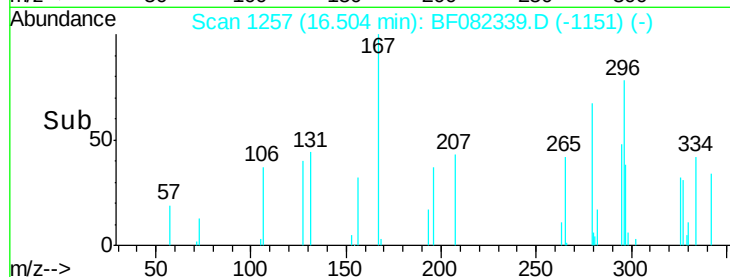
265 288.3 17.3 25.9#



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: 24.39 ng

RT: 16.07 min Scan# 1219

Delta R.T. 0.90 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

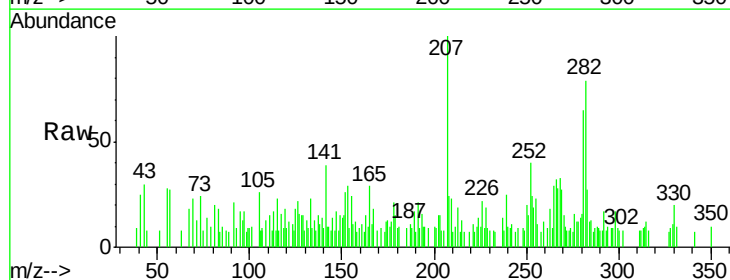
Tgt Ion:252 Resp: 2196

Ion Ratio Lower Upper

252 100

253 60.3 18.0 27.0#

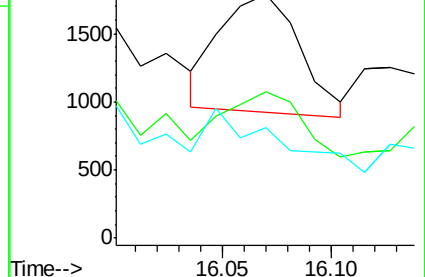
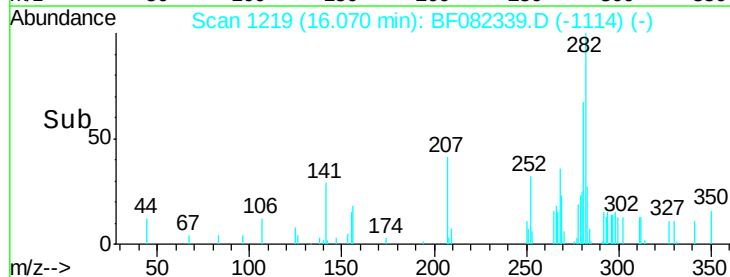
125 45.5 8.6 12.8#

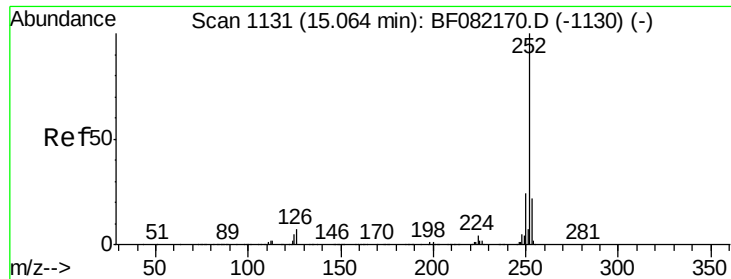


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

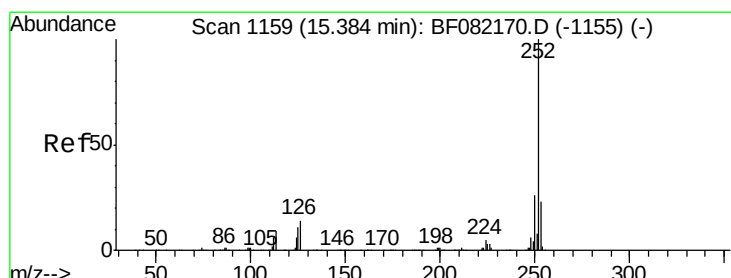
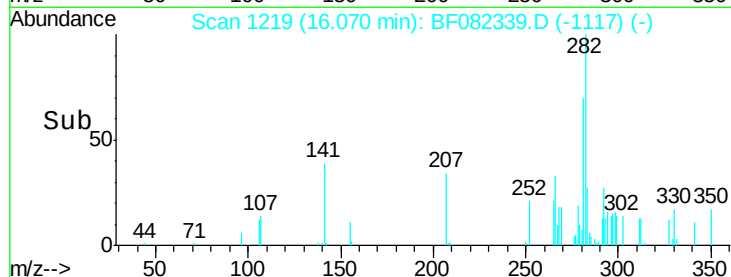
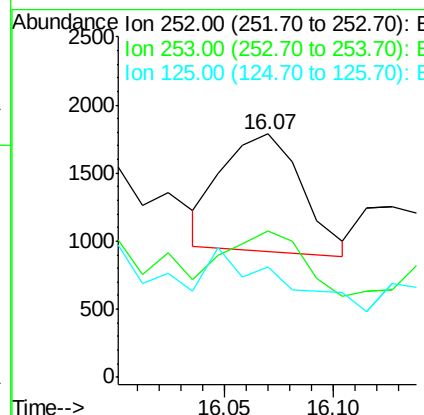
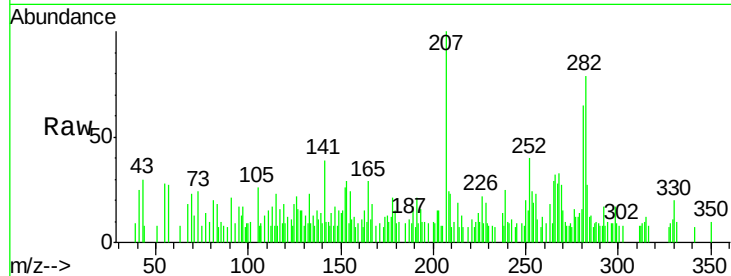




#88
Benzo(k)fluoranthene
Concen: 29.02 ng
RT: 16.07 min Scan# 1219
Delta R.T. 0.87 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

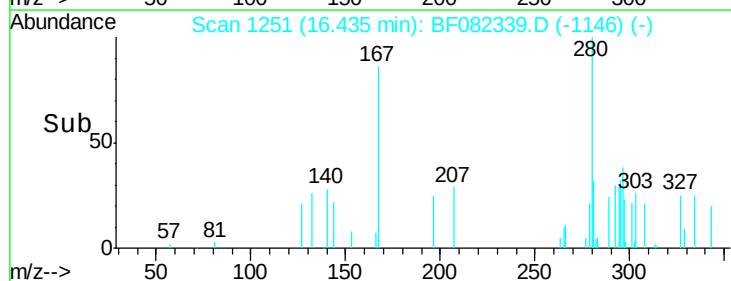
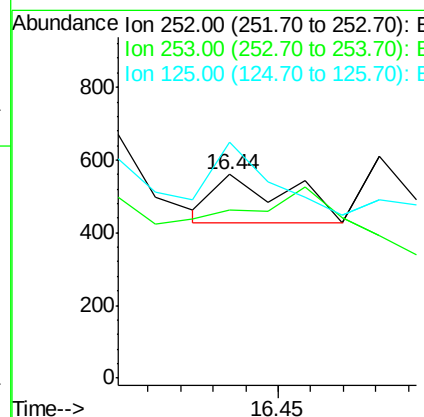
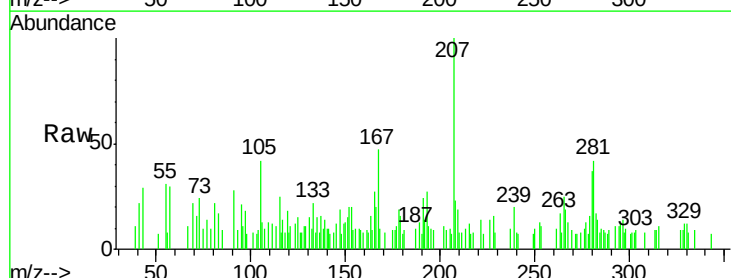
Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112

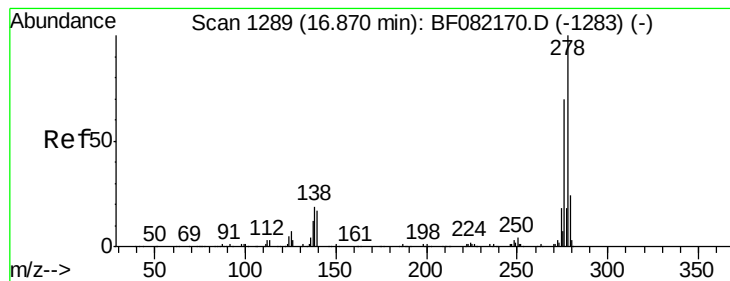
Tot Ion:252 Resp: 2196
Ion Ratio Lower Upper
252 100
253 60.3 17.8 26.6#
125 45.5 6.7 10.1#



#89
Benzo(a)pyrene
Concen: 2.69 ng
RT: 16.44 min Scan# 1251
Delta R.T. 0.90 min
Lab File: BF082339.D
Acq: 16 Oct 2015 21:39

Tgt Ion:252 Resp: 208
Ion Ratio Lower Upper
252 100
253 82.7 18.2 27.2#
125 115.7 8.9 13.3#





#90

Dibenzo(a,h)anthracene

Concen: 4.02 ng

RT: 18.08 min Scan# 1395

Delta R.T. 1.03 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

Instrument :

BNA_F

ClientSampleId :

MANAHAWKEN112

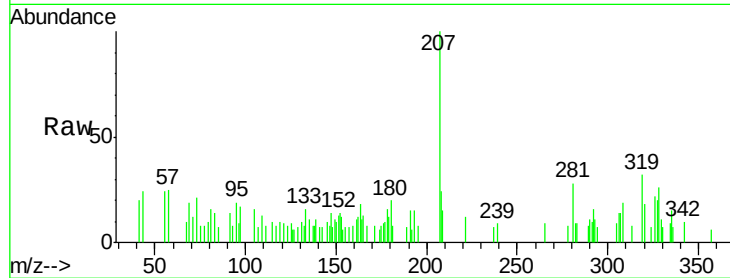
Tot Ion:278 Resp: 255

Ion Ratio Lower Upper

278 100

139 137.4 13.3 19.9#

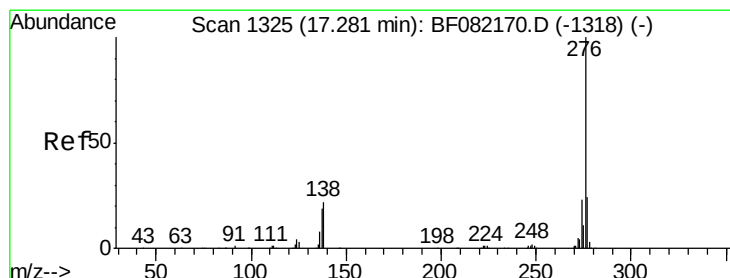
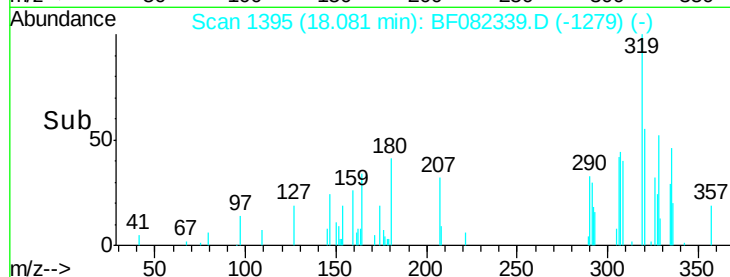
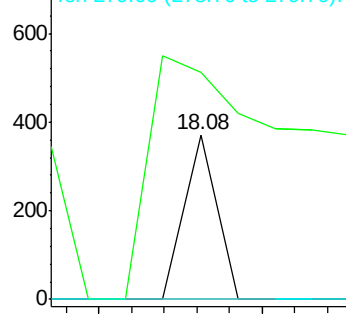
279 0.0 18.9 28.3#



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: 3.77 ng

RT: 18.57 min Scan# 1438

Delta R.T. 1.11 min

Lab File: BF082339.D

Acq: 16 Oct 2015 21:39

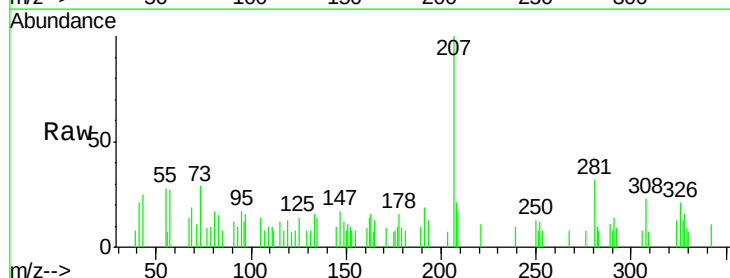
Tgt Ion:276 Resp: 232

Ion Ratio Lower Upper

276 100

277 0.0 18.8 28.2#

138 0.0 17.4 26.2#



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

