

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082337.D
 Acq On : 16 Oct 2015 20:41
 Operator : UM/IZ
 Sample : G4046-02 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK58

Quant Time: Oct 17 01:16:46 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	14532	20.00	ng	0.24
21) Naphthalene-d8	8.56	136	9431	20.00	ng	0.43
38) Acenaphthene-d10	10.51	164	195086	20.00	ng	0.63
63) Phenanthrene-d10	12.07	188	140186	20.00	ng	0.70
75) Chrysene-d12	15.00	240	6403	20.00	ng	0.93
86) Perylene-d12	16.62	264	707	20.00	ng	1.03

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	19749	27.43	ng	0.10
7) Phenol-d6	6.56	99	26821	28.62	ng	0.08
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.81	172	255	0.02	ng	0.59
78) Terphenyl-d14	13.81	244	4866	20.14	ng	0.85

Target Compounds

						Qvalue
17) 2-Methylphenol	7.34	107	3488	5.02	ng	# 74
19) n-Nitroso-di-n-propylamine	7.49	70	1939	2.95	ng	# 77
20) 3+4-Methylphenols	7.34	107	3488	4.21	ng	# 72
24) Nitrobenzene	7.87	77	993	6.53	ng	# 42
25) Isophorone	8.21	82	6810	24.03	ng	# 88
27) 2,4-Dimethylphenol	8.16	122	3819	31.23	ng	# 84
28) bis(2-Chloroethoxy)methane	8.23	93	1035	6.28	ng	# 49
31) Naphthalene	8.56	128	15819	38.69	ng	# 1
32) Benzoic acid	8.23	122	270	3.29	ng	# 1
35) Caprolactam	9.02	113	2428	68.44	ng	# 1
36) 4-Chloro-3-methylphenol	9.15	107	1491	12.47	ng	# 42
37) 2-Methylnaphthalene	9.38	142	5278	18.62	ng	# 1
45) 1,1'-Biphenyl	9.99	154	495615	33.32	ng	# 10
46) 2-Chloronaphthalene	9.95	162	135519	11.57	ng	# 13
49) Dimethylphthalate	9.95	163	41467	3.02	ng	# 1
50) 2,6-Dinitrotoluene	10.51	165	1367356	471.73	ng	# 36
51) Acenaphthene	10.57	154	30707	2.80	ng	# 1
52) 3-Nitroaniline	10.51	138	16285	4.97	ng	# 9
53) 2,4-Dinitrophenol	10.56	184	15806	15.37	ng	# 42
54) Dibenzofuran	10.64	168	93743	6.23	ng	# 60
55) 4-Nitrophenol	10.64	139	14197	8.68	ng	# 21
56) 2,4-Dinitrotoluene	10.64	165	58387	16.12	ng	# 33
57) Fluorene	11.13	166	35403	2.87	ng	# 1
62) Azobenzene	11.27	77	30711	2.45	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.94	198	4135	5.26	ng	# 74
65) n-Nitrosodiphenylamine	11.18	169	18760	4.47	ng	# 74
68) Atrazine	11.75	200	16211	12.19	ng	# 48
70) Phenanthrene	12.03	178	17024	2.48	ng	# 1
71) Anthracene	12.18	178	47310	6.68	ng	# 47
73) Di-n-butylphthalate	12.70	149	57247	7.18	ng	# 1
74) Fluoranthene	13.35	202	96150	13.03	ng	# 30
76) Benzidine	13.57	184	739	3.98	ng	# 1
77) Pvrene	13.66	202	19783	52.06	ng	# 61
79) Butylbenzylphthalate	14.36	149	1707	9.84	ng	# 1

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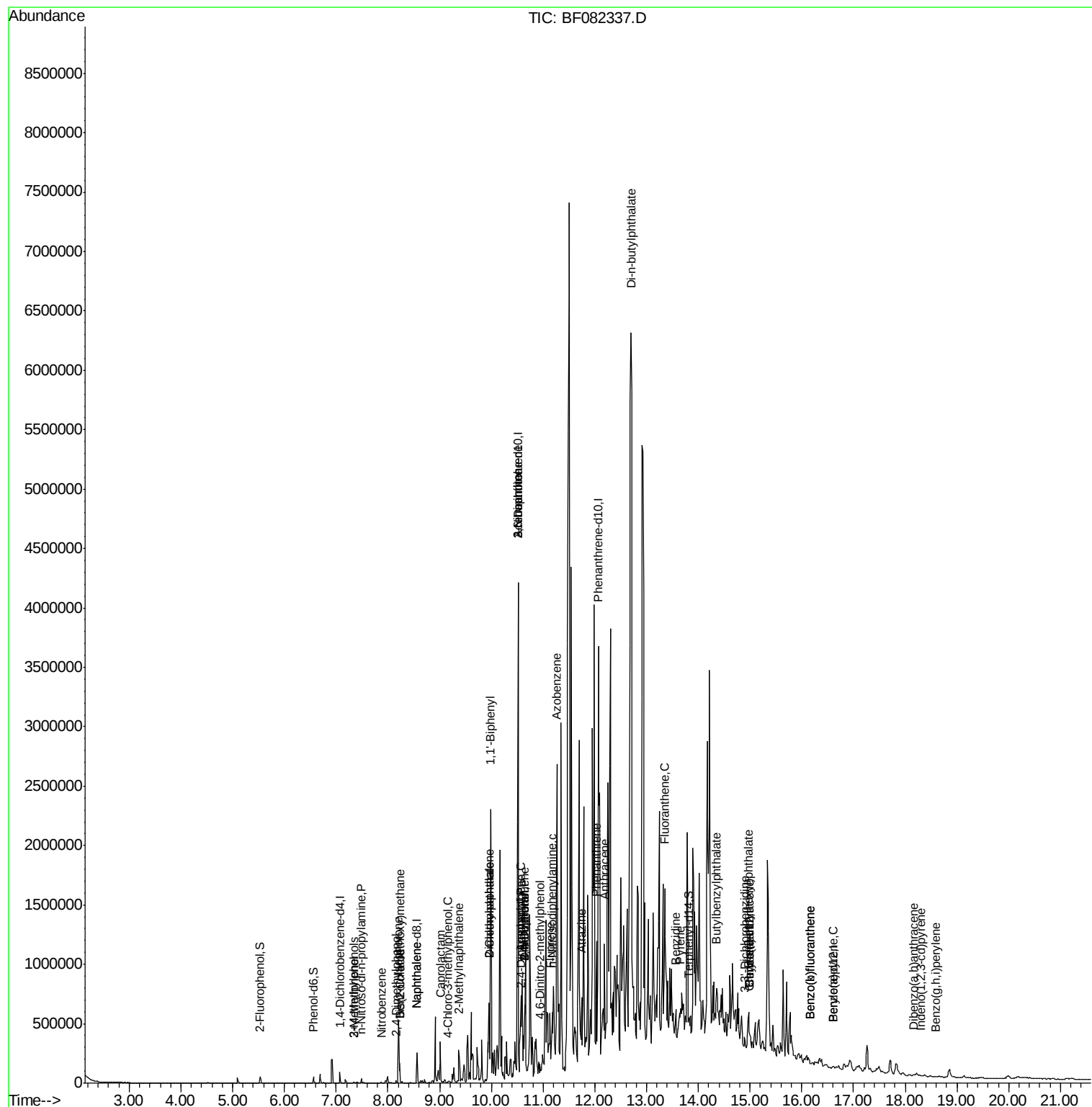
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Benzo(a)anthracene	14.98	228	3590	10.78	ng	# 1
81) 3,3'-Dichlorobenzidine	14.89	252	4705	37.21	ng	# 1
82) Chrysene	14.98	228	3590	10.23	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.97	149	1953	7.89	ng	# 1
85) Indeno(1,2,3-cd)pyrene	18.30	276	918	3.29	ng	# 50
87) Benzo(b)fluoranthene	16.16	252	2403	55.87	ng	# 33
88) Benzo(k)fluoranthene	16.16	252	2403	66.47	ng	# 29
89) Benzo(a)pyrene	16.61	252	5475	148.11	ng	# 45
90) Dibenzo(a,h)anthracene	18.16	278	491	16.21	ng	# 1
91) Benzo(a,h,i)perylene	18.60	276	459	15.60	ng	# 53

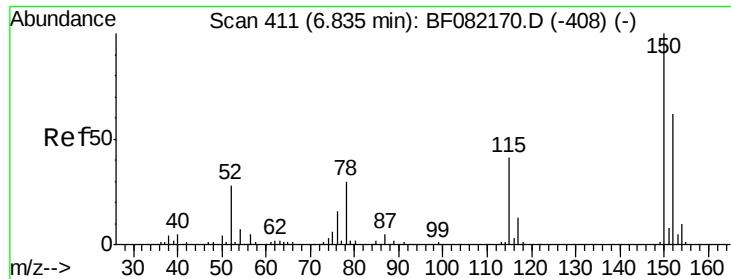
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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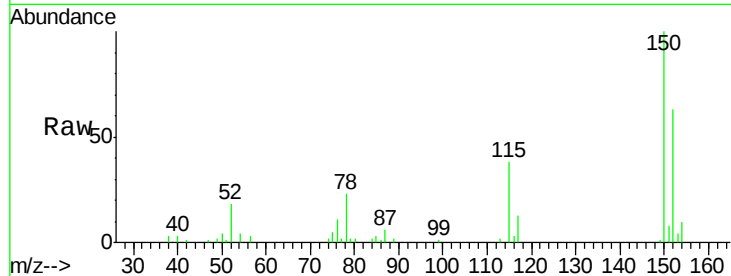


#1

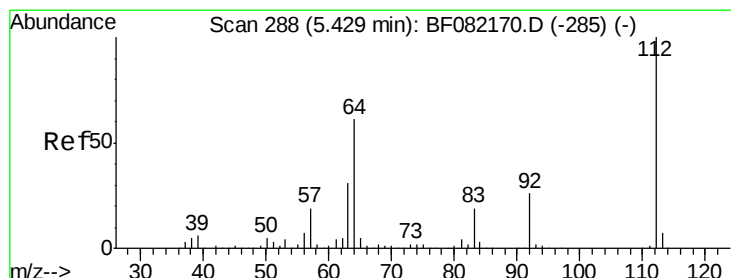
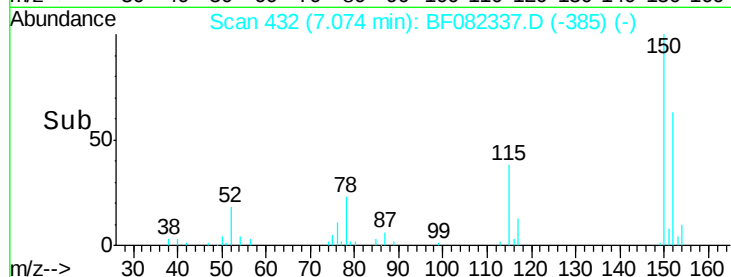
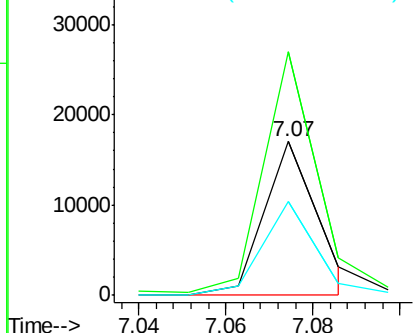
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.07 min Scan# 432
Delta R.T. 0.24 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

Instrument :
BNA_F
ClientSampleId :
GOODLUCK58

Tot Ion:152 Resp: 14532
Ion Ratio Lower Upper
152 100
150 158.7 129.0 193.4
115 61.1 52.1 78.1



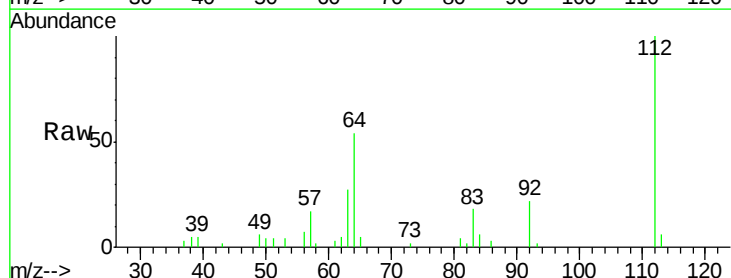
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



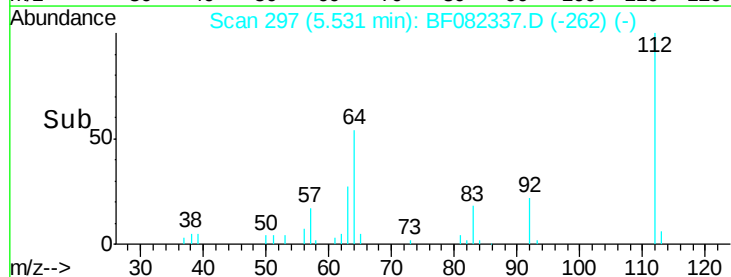
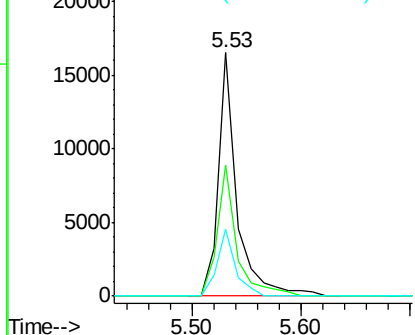
#5

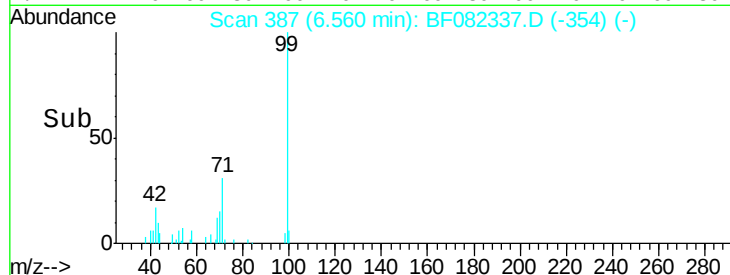
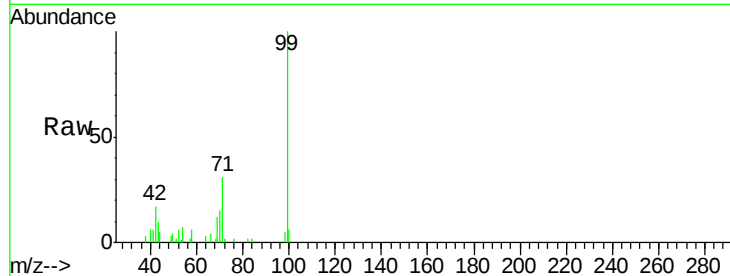
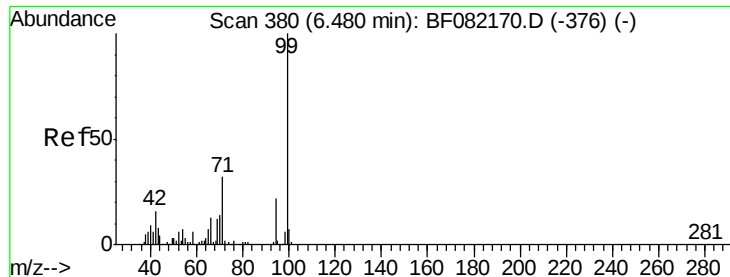
2-Fluorophenol
Concen: 27.43 ng
RT: 5.53 min Scan# 297
Delta R.T. 0.10 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

Tgt Ion:112 Resp: 19749
Ion Ratio Lower Upper
112 100
64 53.8 48.6 73.0
63 27.5 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: 28.62 ng

RT: 6.56 min Scan# 387

Delta R.T. 0.08 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

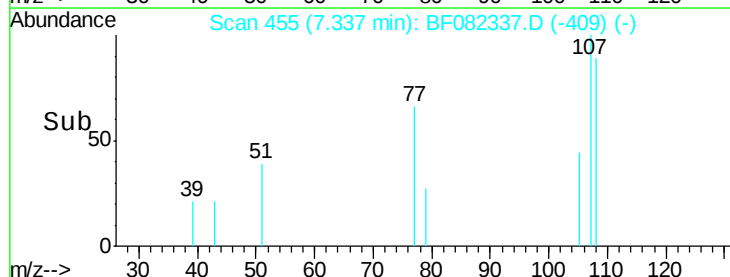
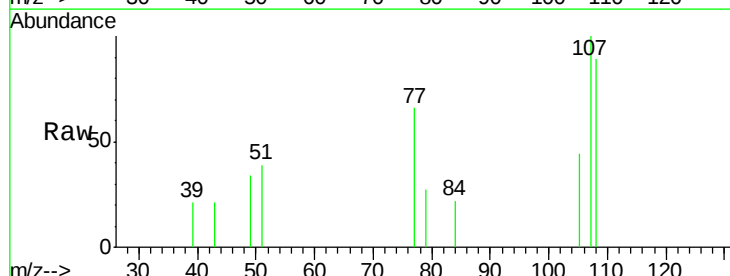
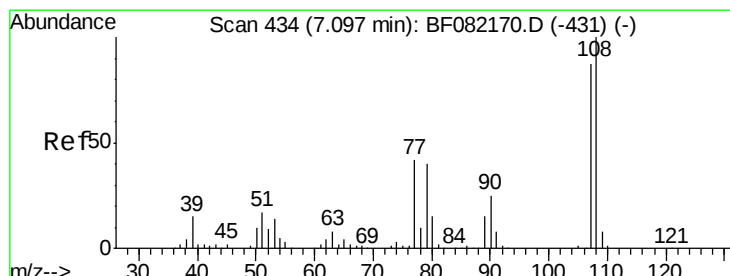
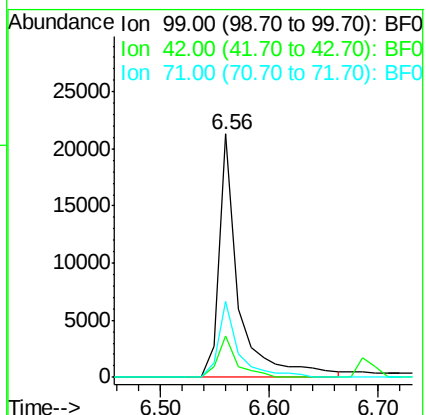
Tot Ion: 99 Resp: 26821

Ion Ratio Lower Upper

99 100

42 16.8 13.2 19.8

71 31.1 25.6 38.4



#17

2-Methylphenol

Concen: 5.02 ng

RT: 7.34 min Scan# 455

Delta R.T. 0.23 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Tgt Ion:107 Resp: 3488

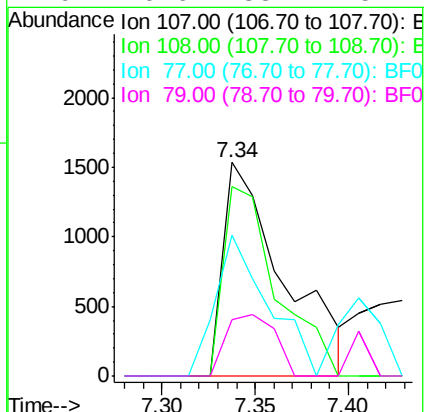
Ion Ratio Lower Upper

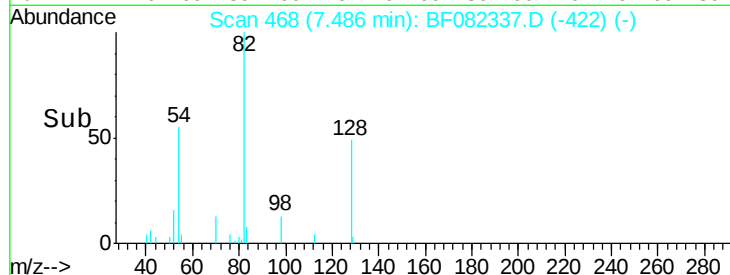
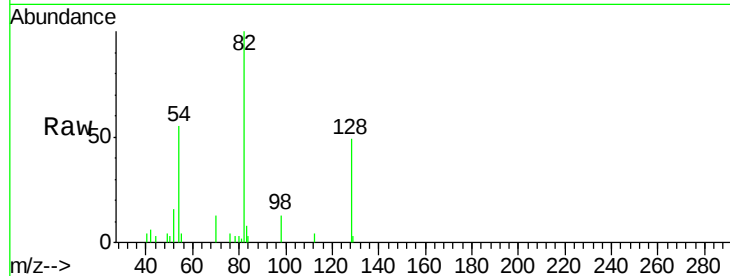
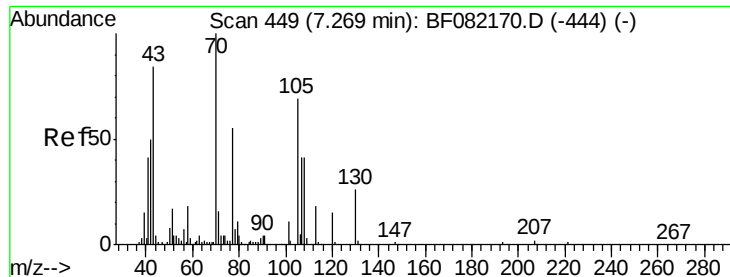
107 100

108 89.0 92.2 138.2#

77 66.1 39.6 59.4#

79 26.6 38.2 57.4#

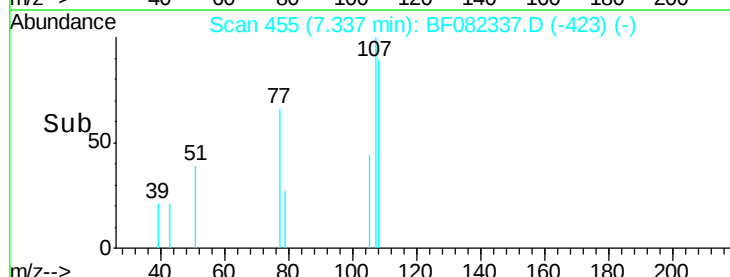
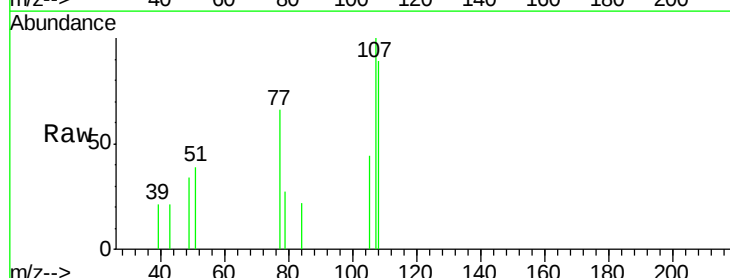
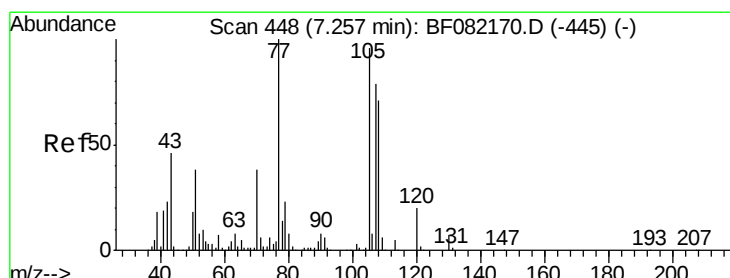
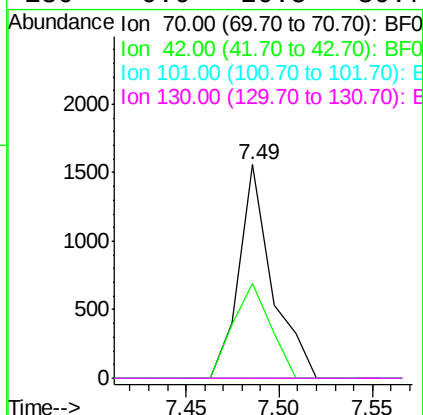




#19
n-Nitroso-di-n-propylamine
Concen: 2.95 ng
RT: 7.49 min Scan# 468
Delta R.T. 0.23 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

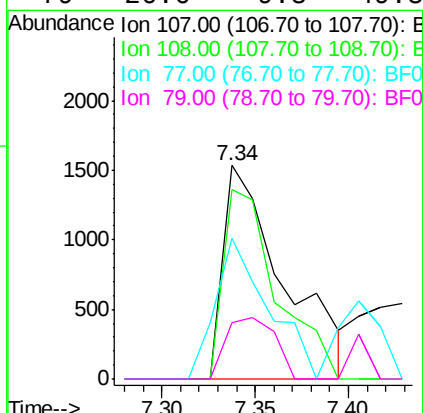
Instrument :
BNA_F
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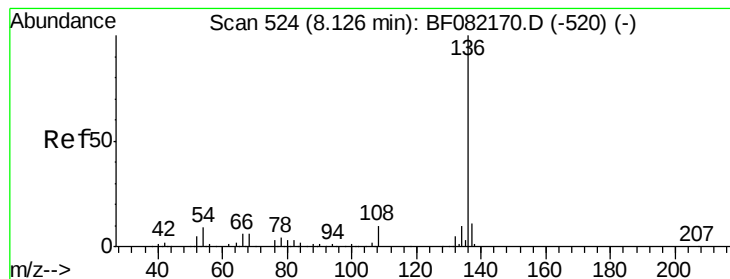
Tot Ion: 70 Resp: 1939
Ion Ratio Lower Upper
70 100
42 44.1 39.8 59.8
101 0.0 8.6 13.0#
130 0.0 20.5 30.7#



#20
3+4-Methylphenols
Concen: 4.21 ng
RT: 7.34 min Scan# 455
Delta R.T. 0.07 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

Tgt Ion: 107 Resp: 3488
Ion Ratio Lower Upper
107 100
108 89.0 69.9 109.9
77 66.1 106.0 146.0#
79 26.6 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: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

Tot Ion:136 Resp: 9431

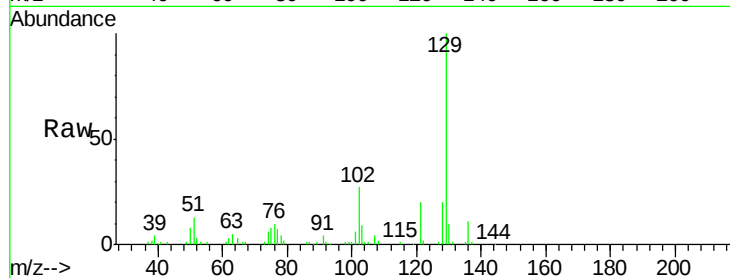
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.6

54 0.0 7.5 11.3#

68 0.0 4.6 7.0#

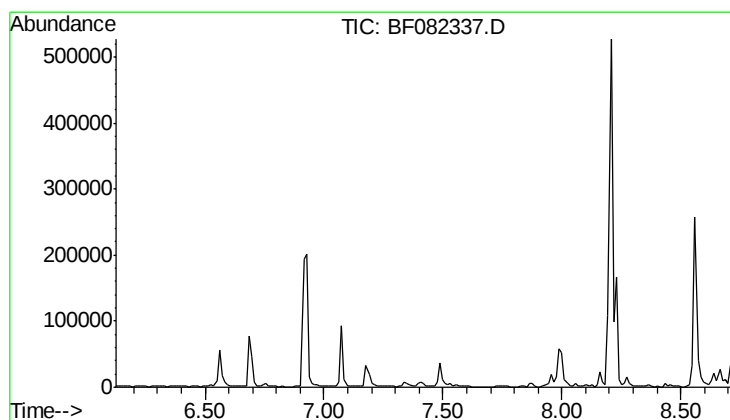
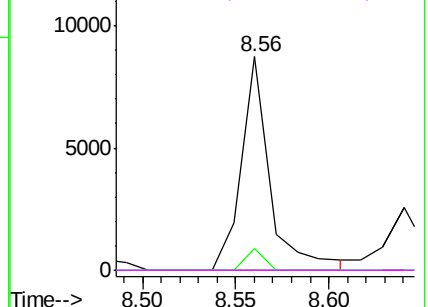
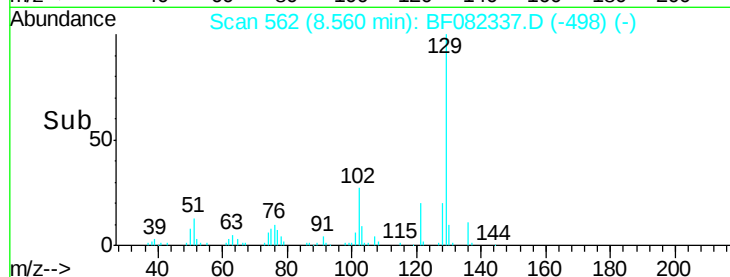


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 0.00 ng

Expected RT: 7.42 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

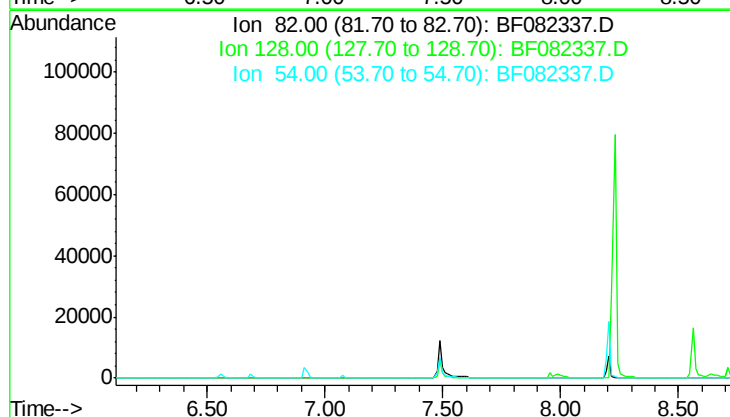
Tgt Ion: 82

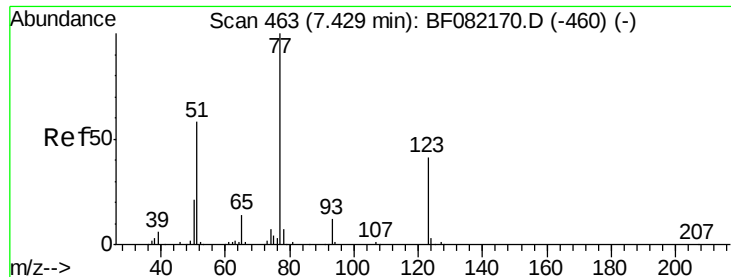
Sig Exp Ratio

82 100

128 48.4

54 50.1

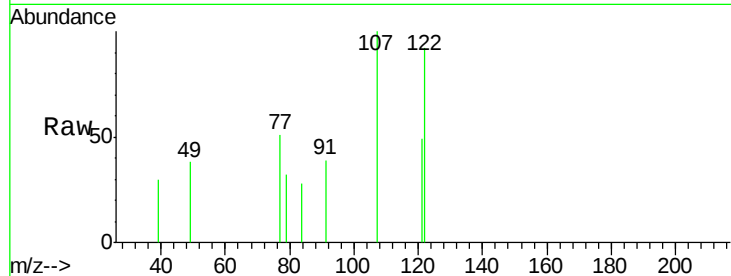




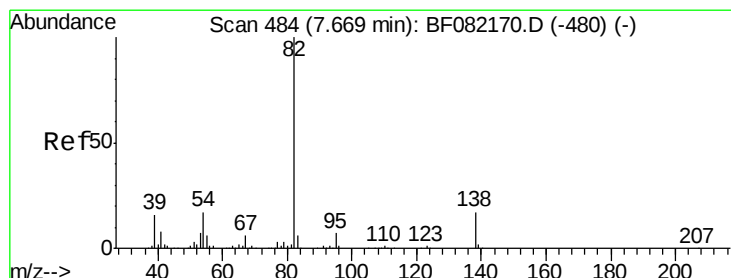
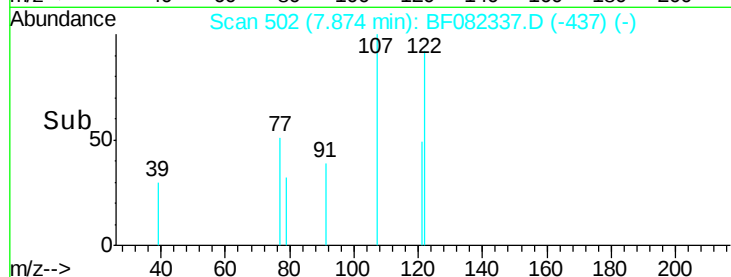
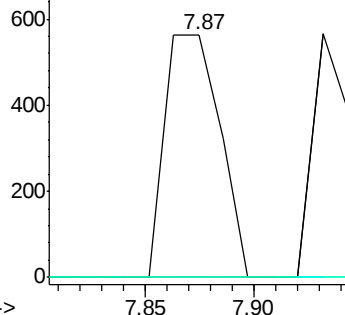
#24
 Nitrobenzene
 Concen: 6.53 ng
 RT: 7.87 min Scan# 502
 Delta R.T. 0.45 min
 Lab File: BF082337.D
 Acq: 16 Oct 2015 20:41

Instrument :
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Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.4#
65	0.0	11.2	16.8#

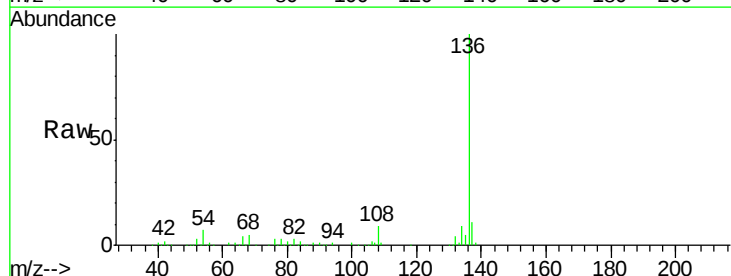


Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0

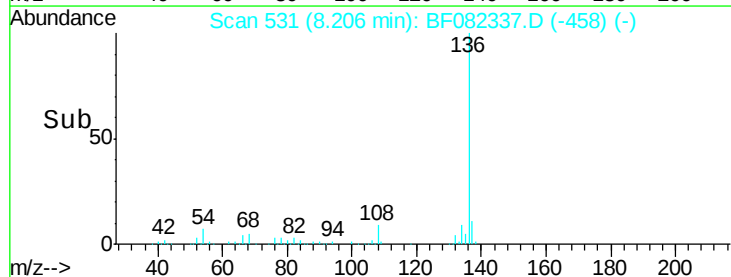
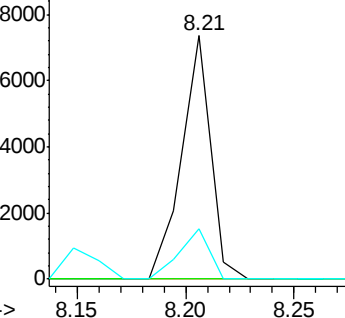


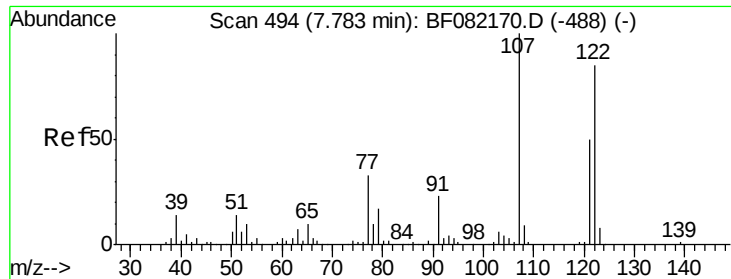
#25
 Isophorone
 Concen: 24.03 ng
 RT: 8.21 min Scan# 531
 Delta R.T. 0.54 min
 Lab File: BF082337.D
 Acq: 16 Oct 2015 20:41

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	20.4	13.6	20.4#



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





#27

2,4-Dimethylphenol

Concen: 31.23 ng

RT: 8.16 min Scan# 527

Delta R.T. 0.37 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

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ClientSampleId :

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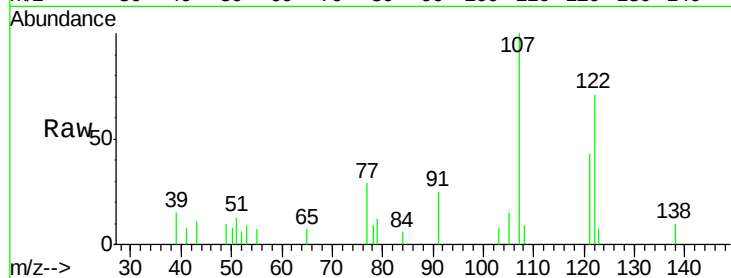
Tot Ion:122 Resp: 3819

Ion Ratio Lower Upper

122 100

107 141.7 94.0 141.0#

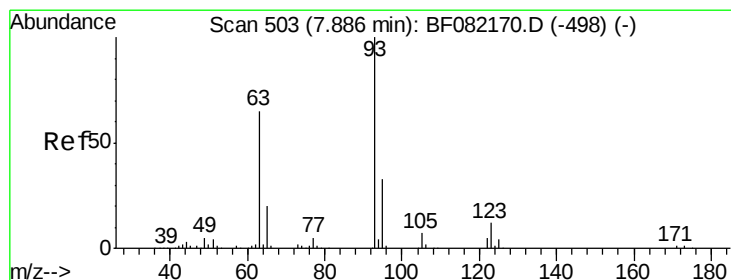
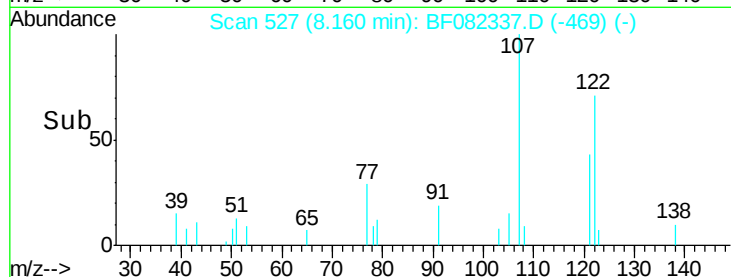
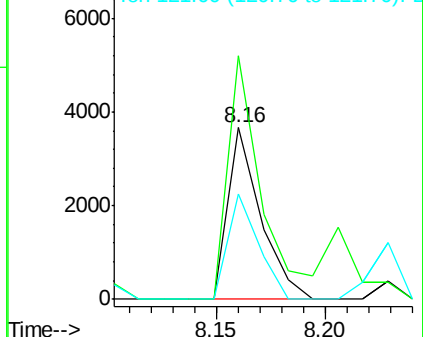
121 61.5 46.8 70.2



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: 6.28 ng

RT: 8.23 min Scan# 533

Delta R.T. 0.34 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

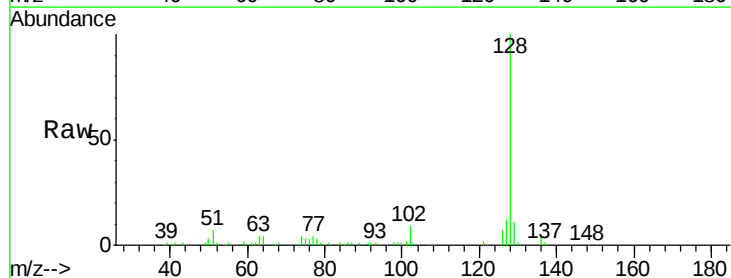
Tgt Ion: 93 Resp: 1035

Ion Ratio Lower Upper

93 100

95 0.0 26.6 39.8#

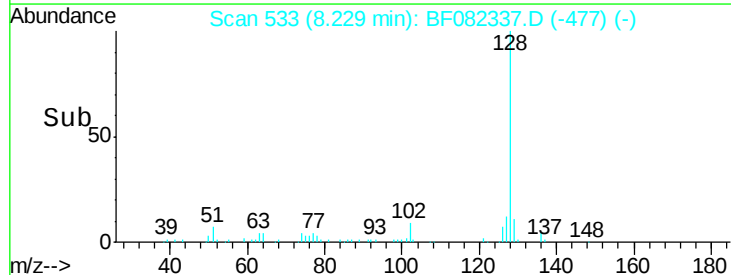
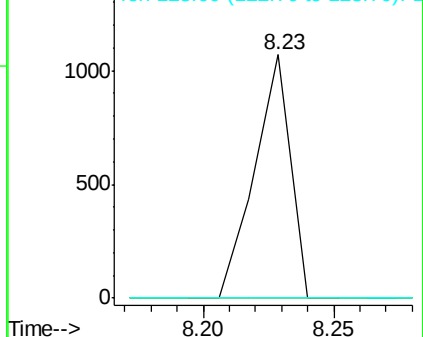
123 0.0 9.5 14.3#

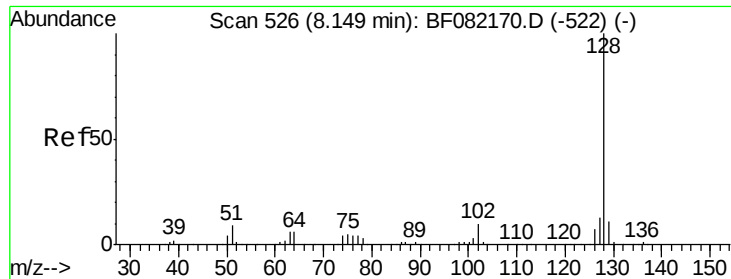


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

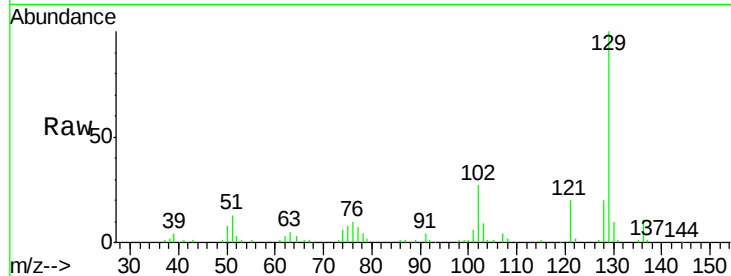




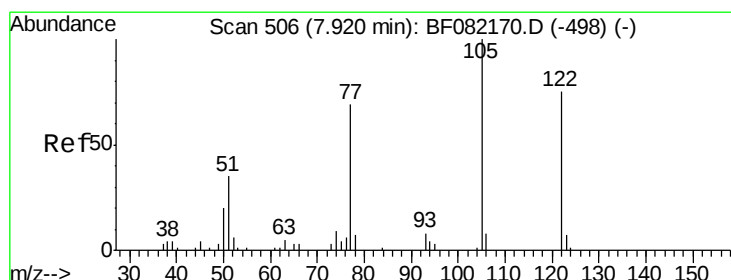
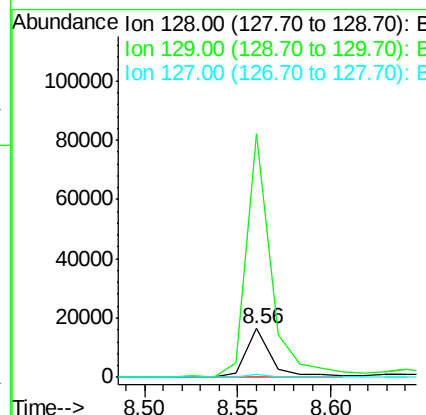
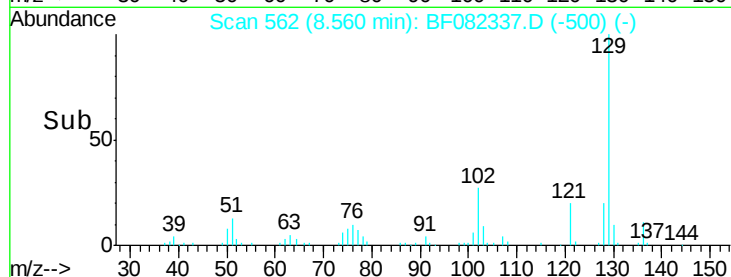
#31
Naphthalene
Concen: 38.69 ng
RT: 8.56 min Scan# 562
Delta R.T. 0.41 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

Instrument :
BNA_F
ClientSampleId :
GOODLUCK58

Tot Ion:128 Resp: 15819
Ion Ratio Lower Upper
128 100
129 498.4 9.1 13.7#
127 6.8 10.7 16.1#

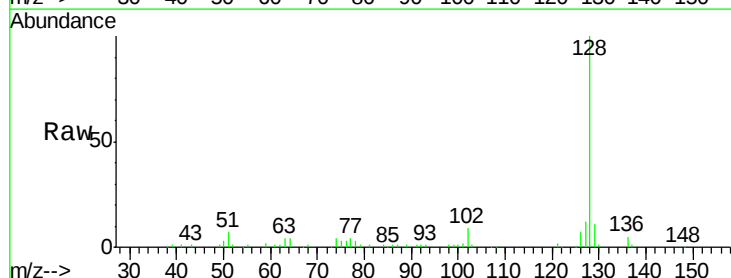


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

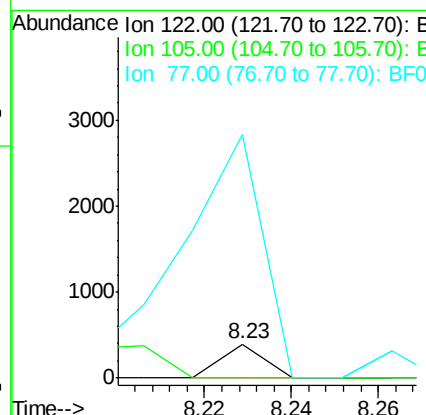
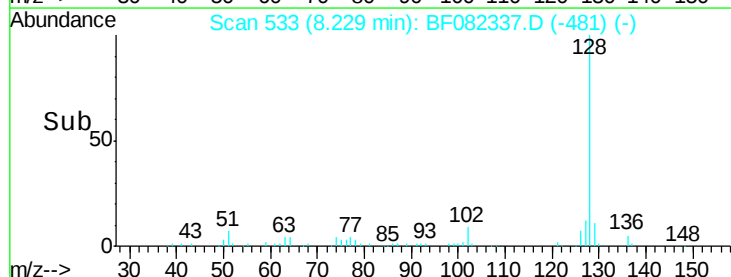


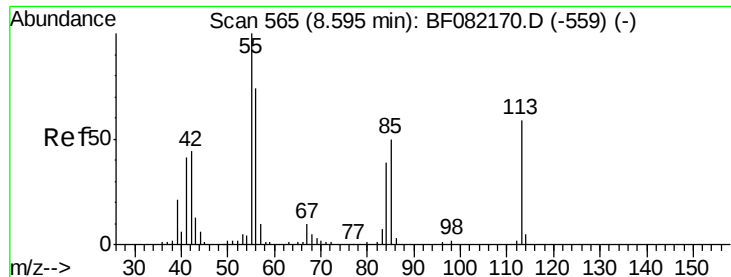
#32
Benzoic acid
Concen: 3.29 ng
RT: 8.23 min Scan# 533
Delta R.T. 0.30 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

Tgt Ion:122 Resp: 270
Ion Ratio Lower Upper
122 100
105 0.0 104.4 144.4#
77 718.8 69.0 109.0#



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





#35

Caprolactam

Concen: 68.44 ng

RT: 9.02 min Scan# 602

Delta R.T. 0.42 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

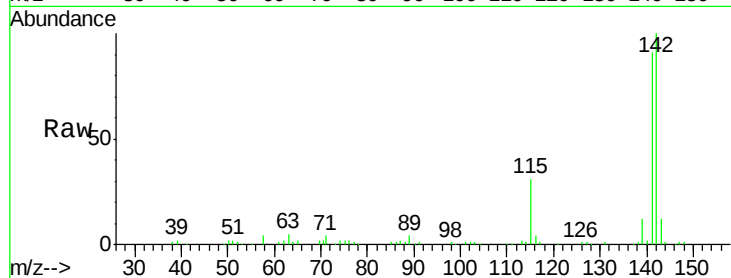
Tot Ion:113 Resp: 2428

Ion Ratio Lower Upper

113 100

55 23.6 149.7 189.7#

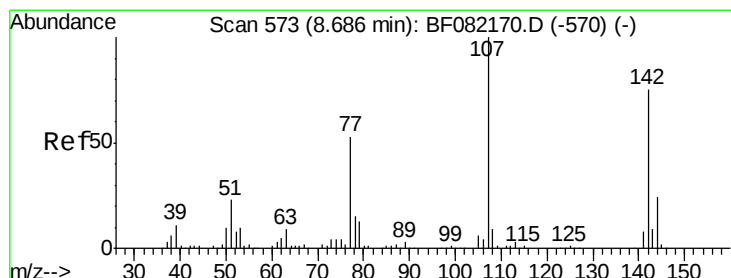
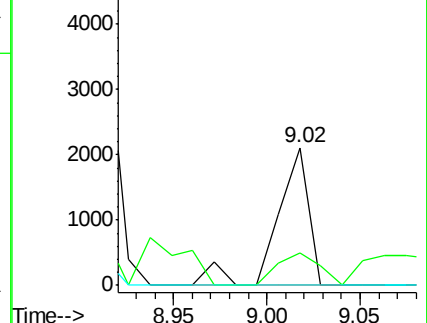
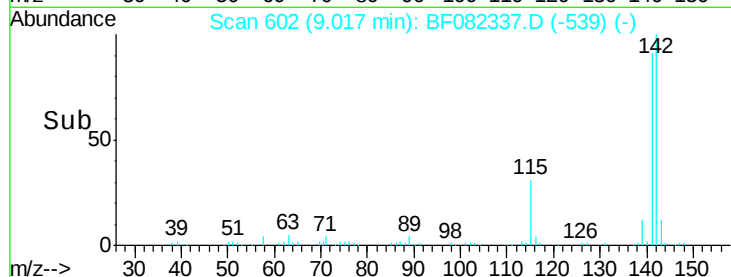
56 0.0 105.4 145.4#



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: 12.47 ng

RT: 9.15 min Scan# 614

Delta R.T. 0.46 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

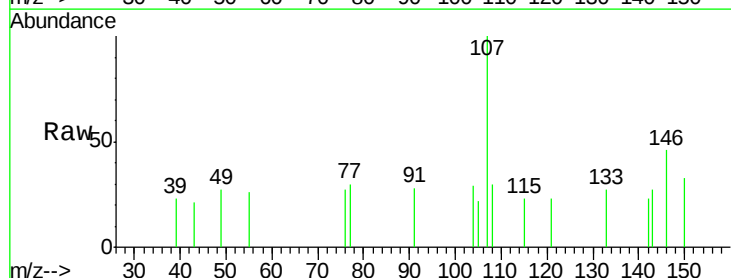
Tgt Ion:107 Resp: 1491

Ion Ratio Lower Upper

107 100

144 0.0 19.3 28.9#

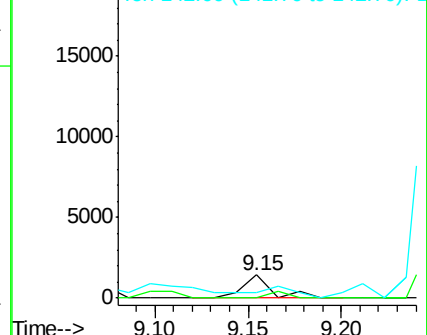
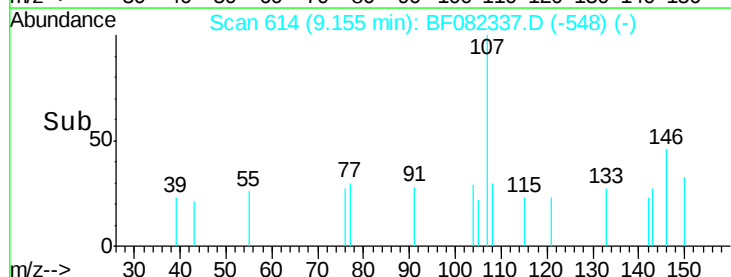
142 22.9 59.9 89.9#

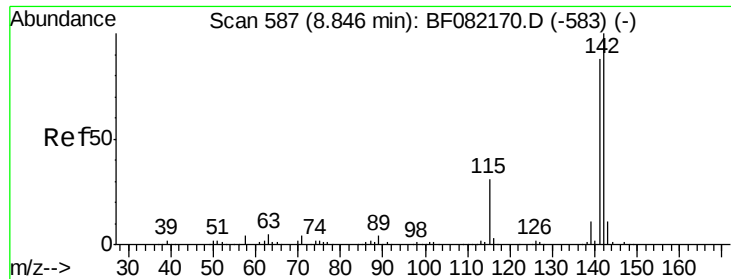


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

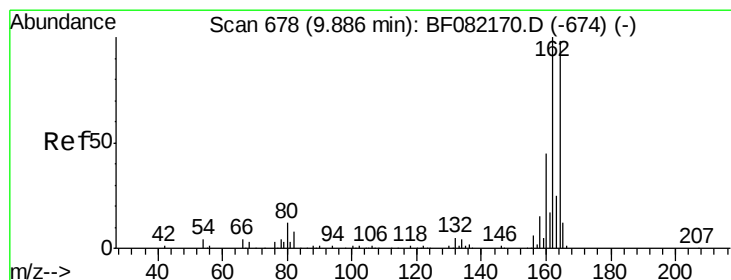
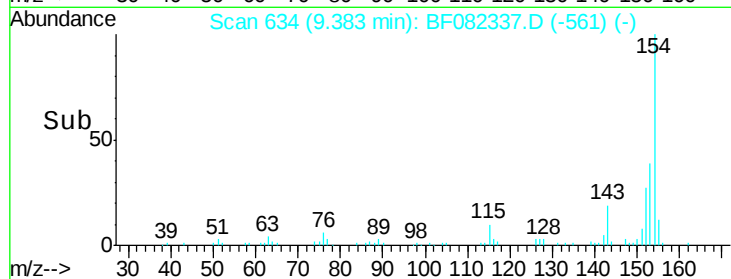
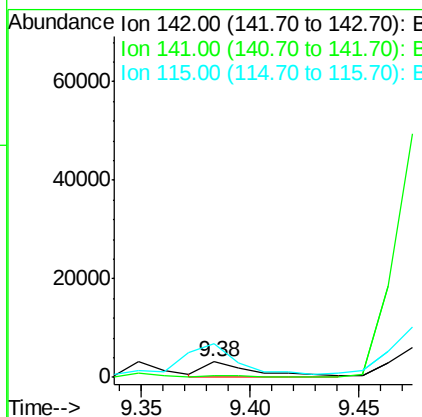
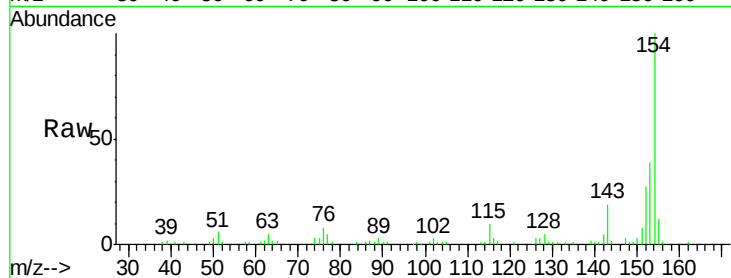




#37
2-Methylnaphthalene
Concen: 18.62 ng
RT: 9.38 min Scan# 634
Delta R.T. 0.54 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

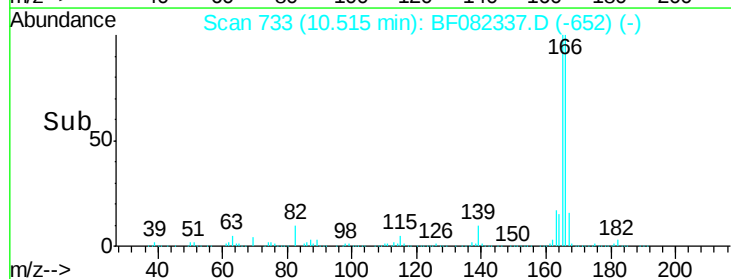
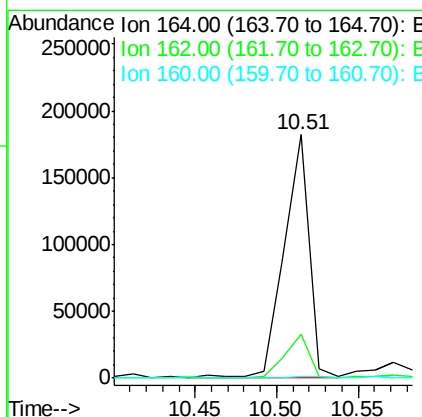
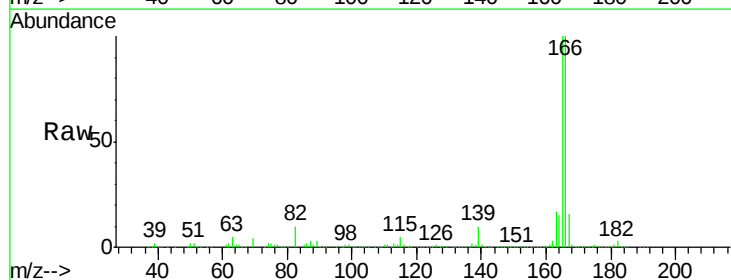
Instrument :
BNA_F
ClientSampleId :
GOODLUCK58

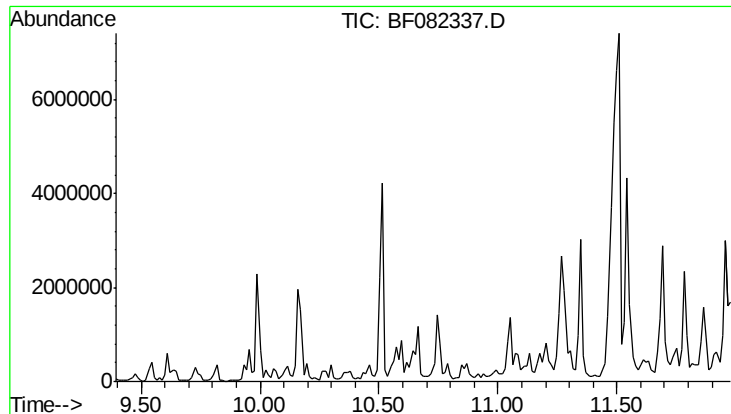
Tot Ion:142 Resp: 5278
Ion Ratio Lower Upper
142 100
141 14.2 70.4 105.6#
115 216.9 24.6 37.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.51 min Scan# 733
Delta R.T. 0.63 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

Tgt Ion:164 Resp: 195086
Ion Ratio Lower Upper
164 100
162 18.0 81.6 122.4#
160 0.5 36.4 54.6#





#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 10.69 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

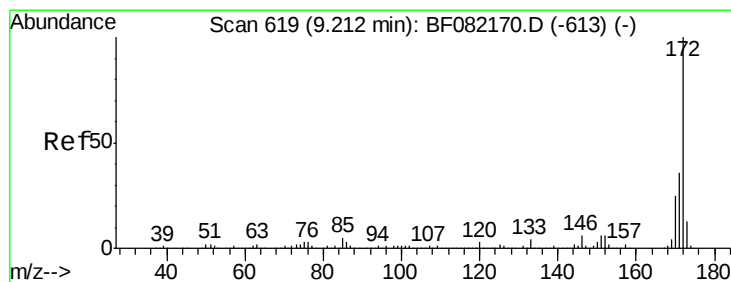
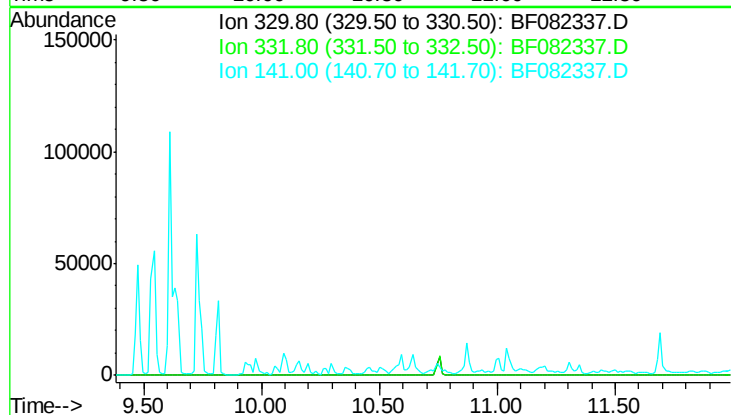
Tot Ion: 330

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: BF082337.D

Acq: 16 Oct 2015 20:41

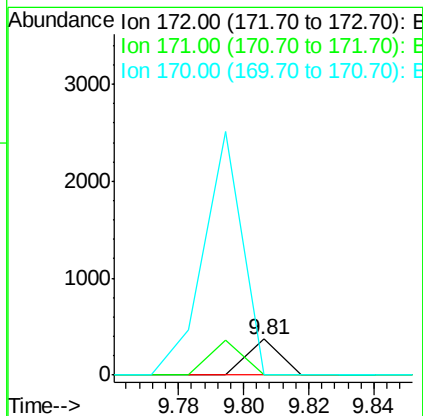
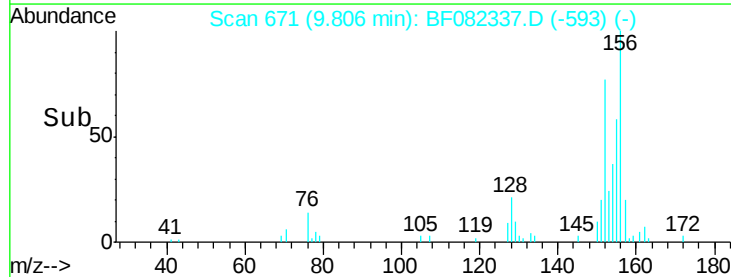
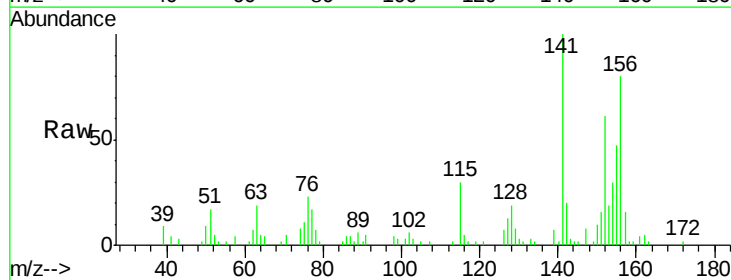
Tgt Ion: 172 Resp: 255

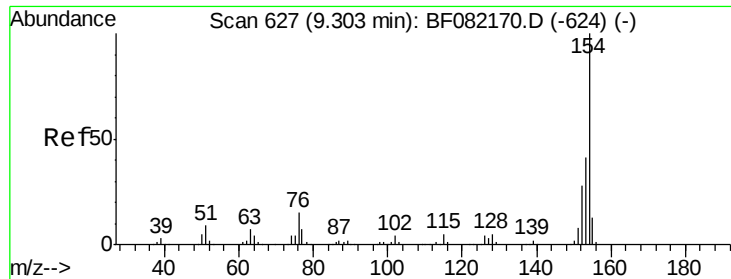
Ion Ratio Lower Upper

172 100

171 0.0 28.6 42.8#

170 0.0 19.7 29.5#





#45

1,1'-Biphenyl

Concen: 33.32 ng

RT: 9.99 min Scan# 687

Delta R.T. 0.67 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

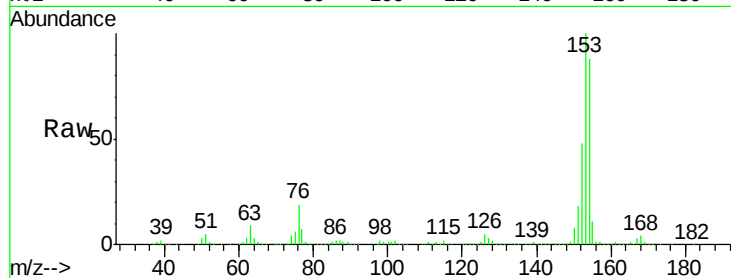
Tot Ion:154 Resp: 495615

Ion Ratio Lower Upper

154 100

153 114.0 20.6 60.6#

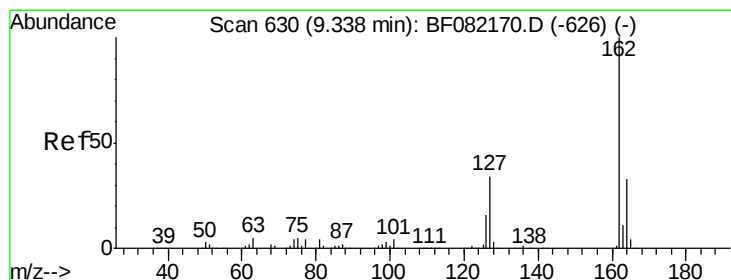
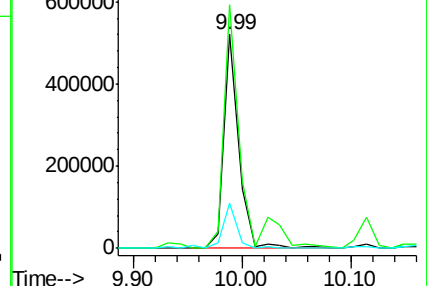
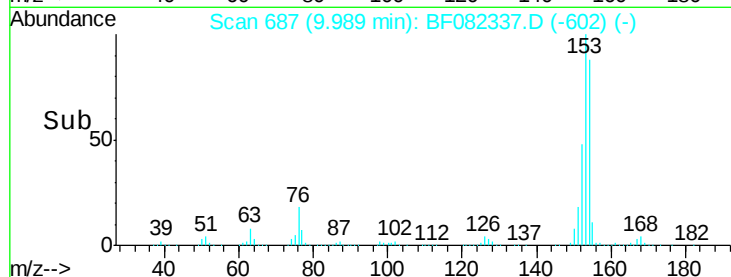
76 21.4 0.0 35.2



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: 11.57 ng

RT: 9.95 min Scan# 684

Delta R.T. 0.62 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

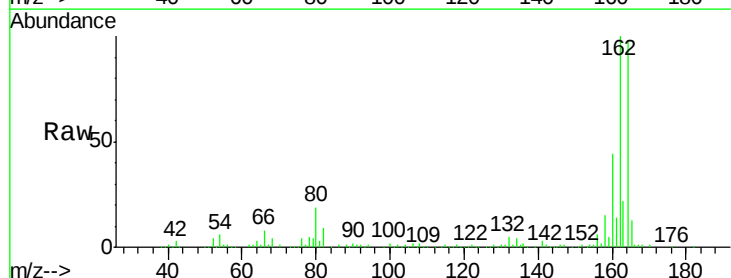
Tgt Ion:162 Resp: 135519

Ion Ratio Lower Upper

162 100

127 0.3 27.5 41.3#

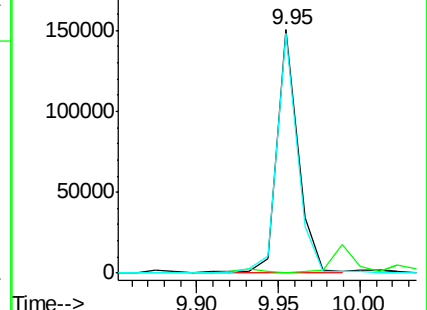
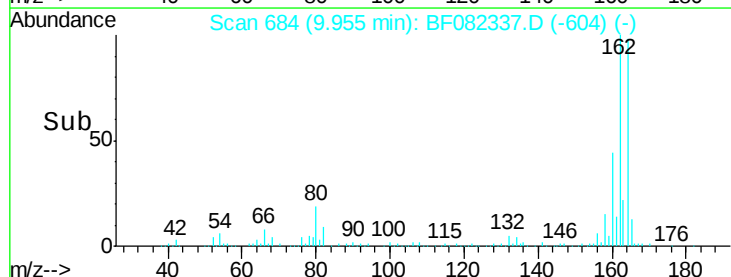
164 98.3 26.6 39.8#

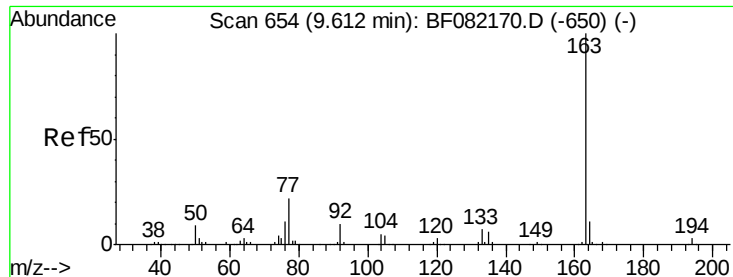


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

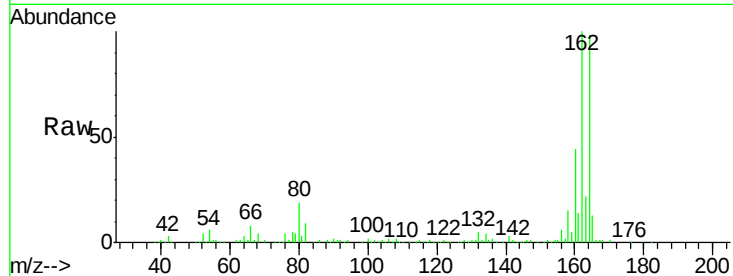




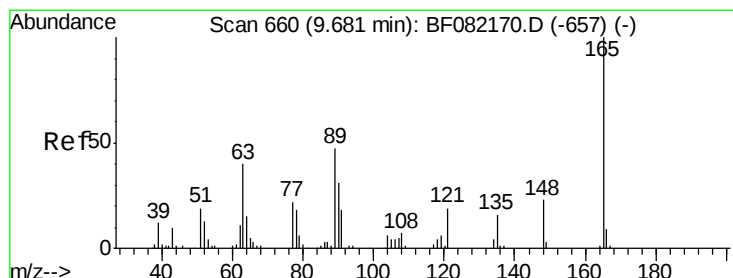
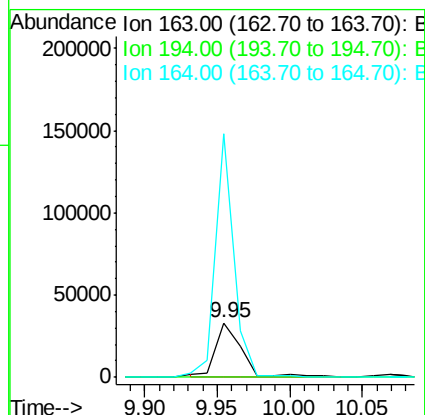
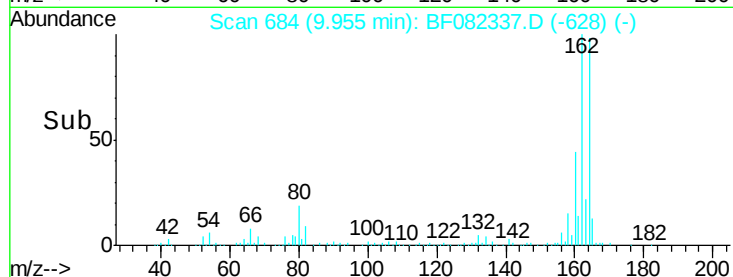
#49
Dimethylphthalate
Concen: 3.02 ng
RT: 9.95 min Scan# 684
Delta R.T. 0.34 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

Instrument :
BNA_F
ClientSampleId :
GOODLUCK58

Tot Ion:163 Resp: 41467
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 447.1 8.5 12.7#

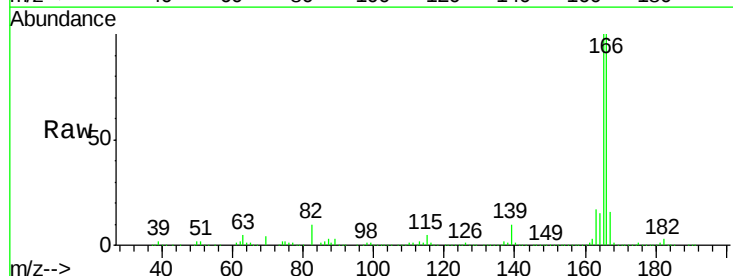


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

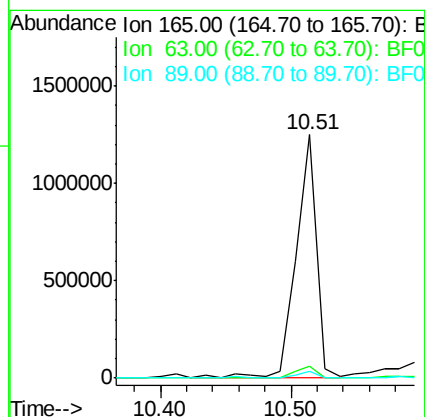
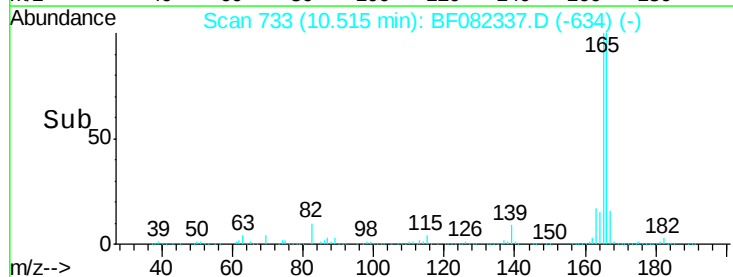


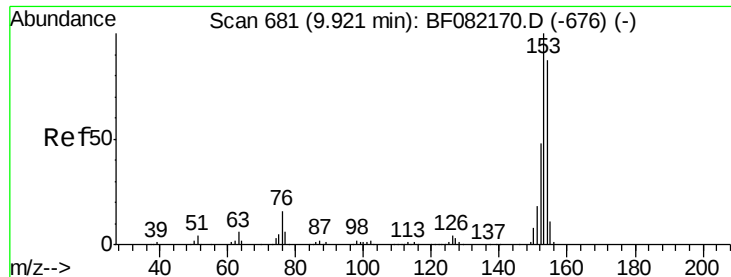
#50
2,6-Dinitrotoluene
Concen: 471.73 ng
RT: 10.51 min Scan# 733
Delta R.T. 0.83 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

Tgt Ion:165 Resp: 1367356
Ion Ratio Lower Upper
165 100
63 4.8 36.7 55.1#
89 2.7 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: 2.80 ng

RT: 10.57 min Scan# 738

Delta R.T. 0.65 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

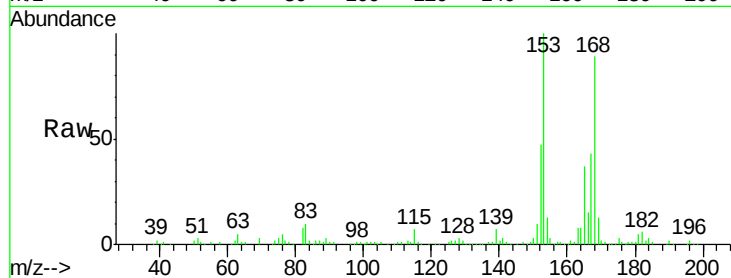
Tot Ion:154 Resp: 30707

Ion Ratio Lower Upper

154 100

153 764.5 91.4 137.2#

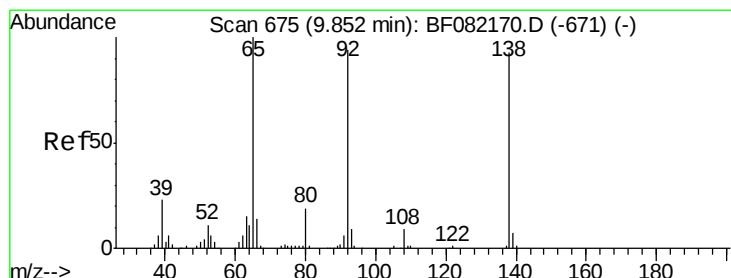
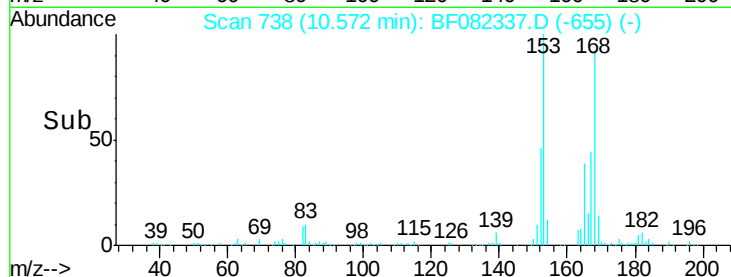
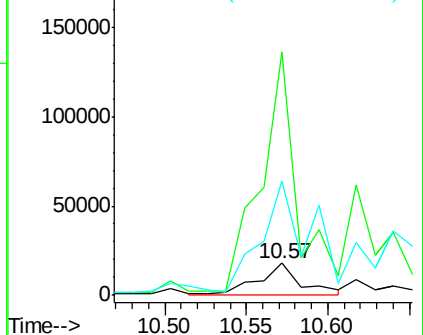
152 360.3 44.3 66.5#



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: 4.97 ng

RT: 10.51 min Scan# 733

Delta R.T. 0.66 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

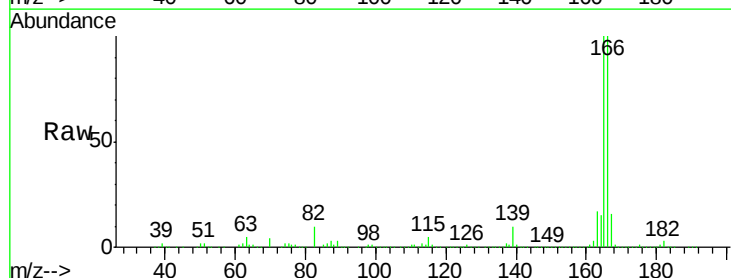
Tgt Ion:138 Resp: 16285

Ion Ratio Lower Upper

138 100

108 4.4 7.4 11.0#

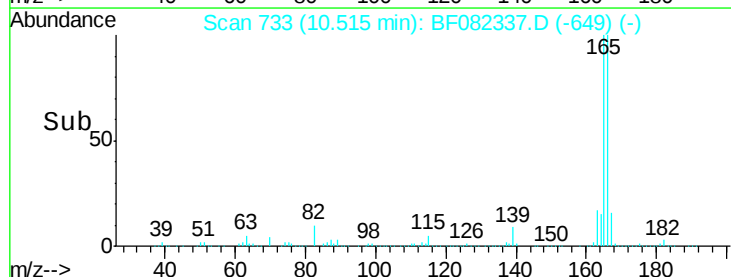
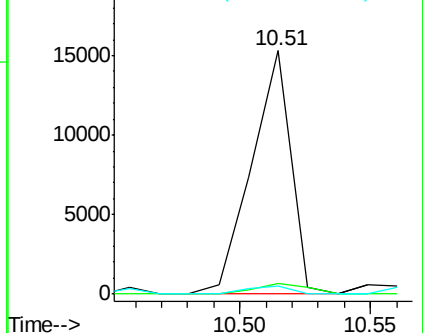
92 3.1 81.3 121.9#

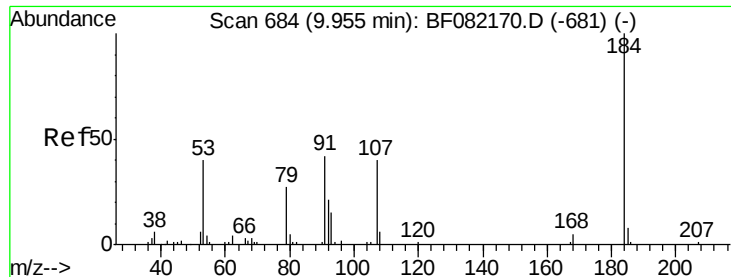


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

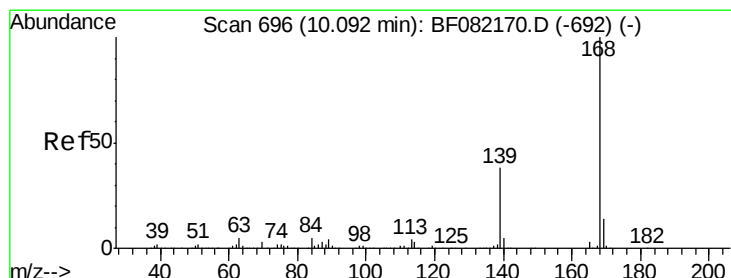
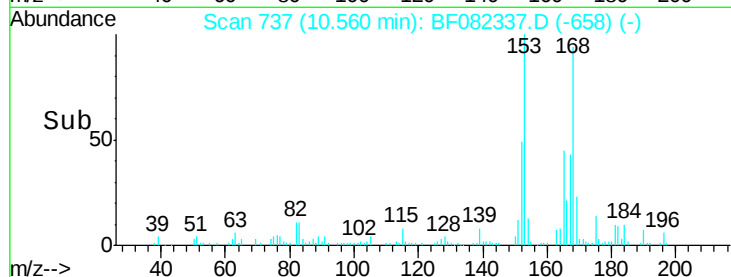
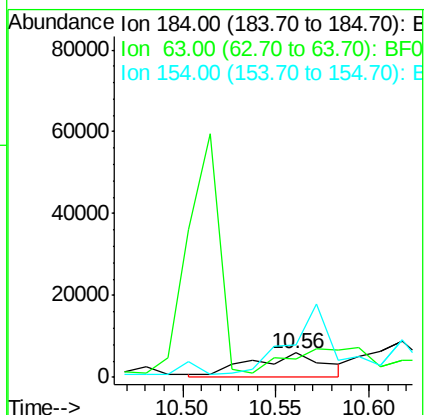
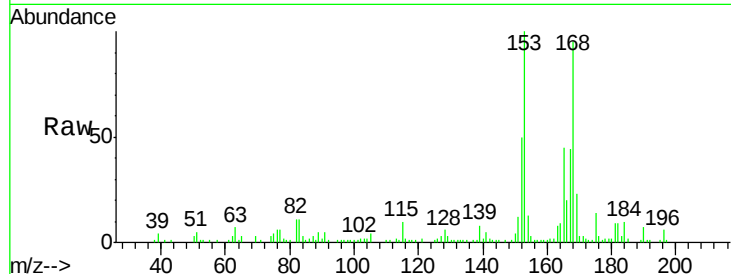




#53
2,4-Dinitrophenol
Concen: 15.37 ng
RT: 10.56 min Scan# 737
Delta R.T. 0.61 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

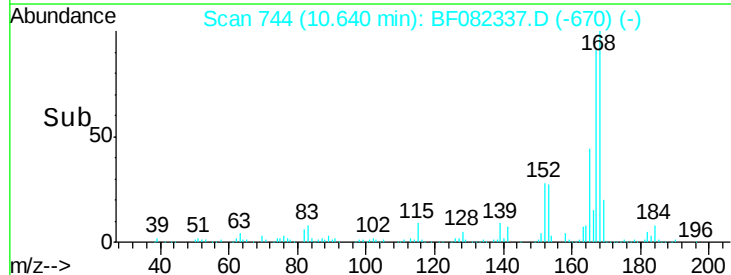
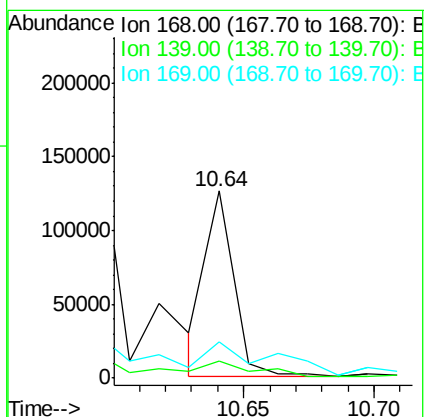
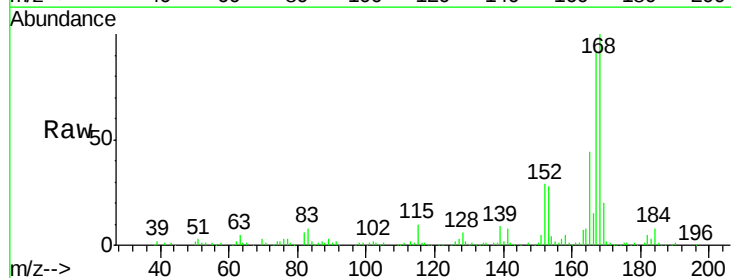
Instrument :
BNA_F
ClientSampleId :
GOODLUCK58

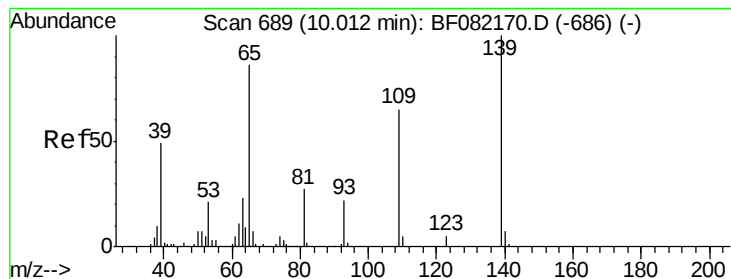
Tot Ion:184 Resp: 15806
Ion Ratio Lower Upper
184 100
63 74.8 45.1 67.7#
154 132.5 51.2 76.8#



#54
Dibenzofuran
Concen: 6.23 ng
RT: 10.64 min Scan# 744
Delta R.T. 0.55 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

Tgt Ion:168 Resp: 93743
Ion Ratio Lower Upper
168 100
139 9.3 31.0 46.6#
169 19.6 10.9 16.3#





#55

4-Nitrophenol

Concen: 8.68 ng

RT: 10.64 min Scan# 744

Delta R.T. 0.62 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

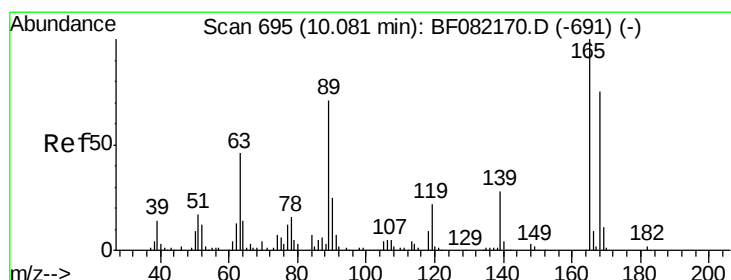
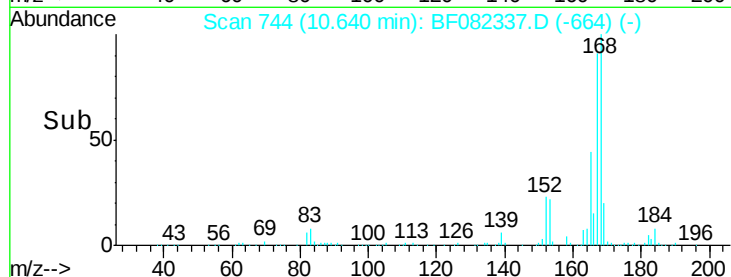
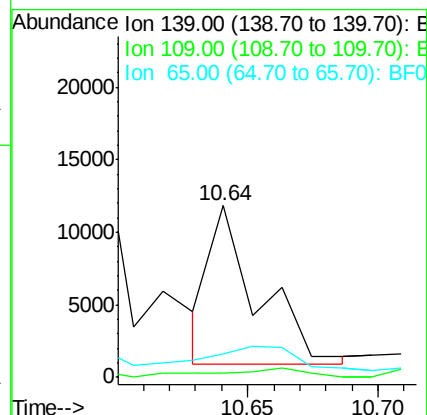
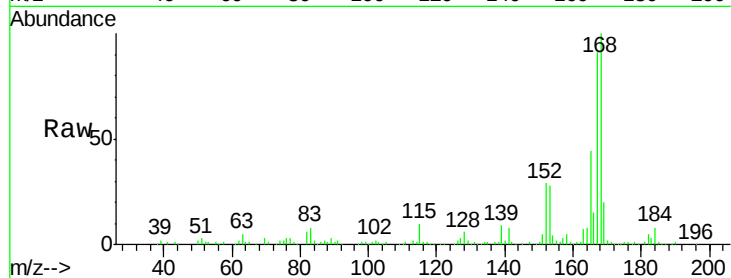
Tot Ion:139 Resp: 14197

Ion Ratio Lower Upper

139 100

109 2.8 44.8 84.8#

65 13.7 67.7 107.7#



#56

2,4-Dinitrotoluene

Concen: 16.12 ng

RT: 10.64 min Scan# 744

Delta R.T. 0.56 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Tgt Ion:165 Resp: 58387

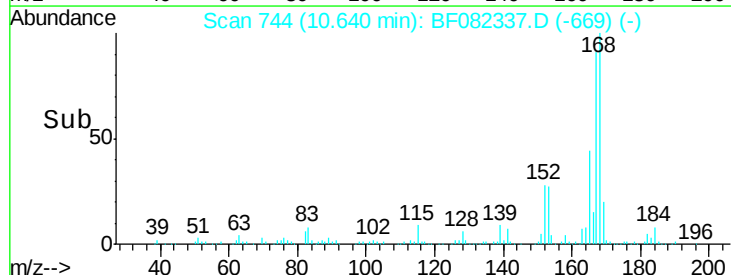
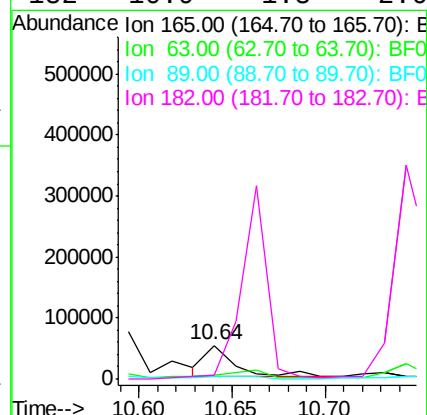
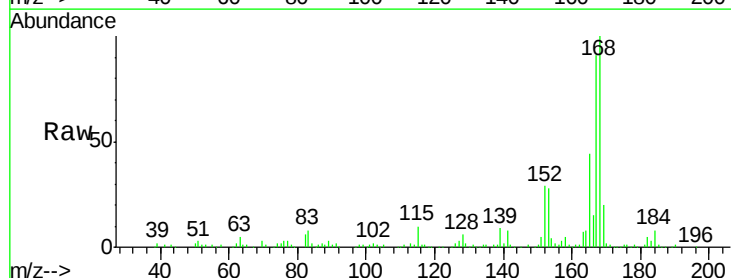
Ion Ratio Lower Upper

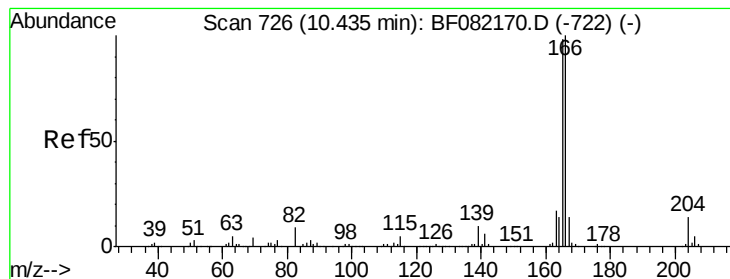
165 100

63 11.3 38.6 58.0#

89 7.4 57.0 85.6#

182 10.9 1.8 2.6#





#57

Fluorene

Concen: 2.87 ng

RT: 11.13 min Scan# 787

Delta R.T. 0.70 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

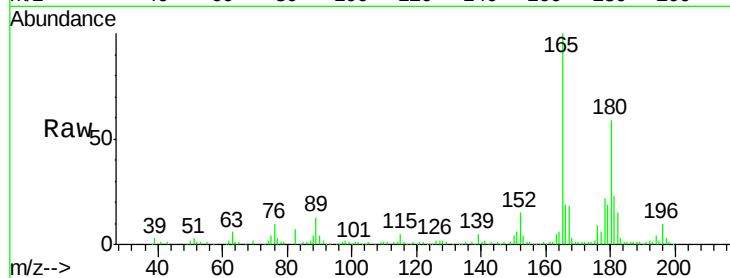
Tot Ion:166 Resp: 35403

Ion Ratio Lower Upper

166 100

165 525.8 78.3 117.5#

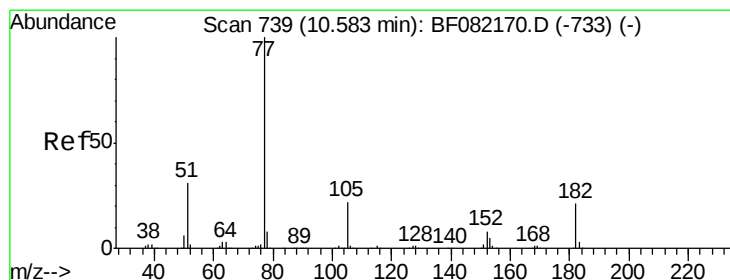
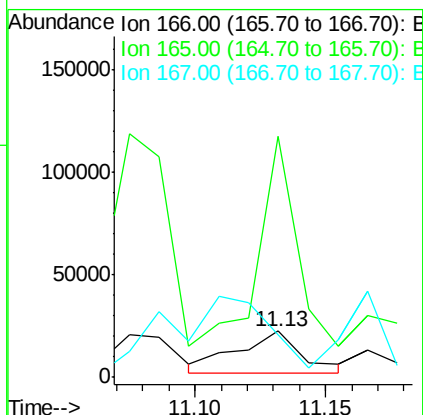
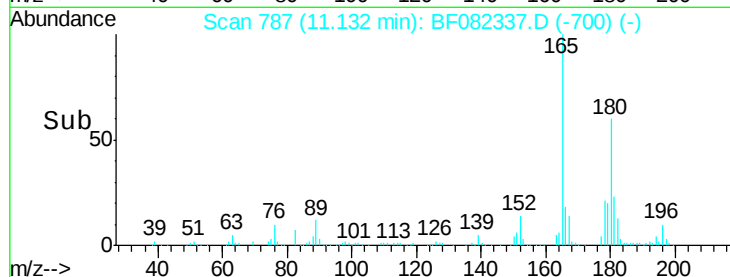
167 93.1 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#62

Azobenzene

Concen: 2.45 ng

RT: 11.27 min Scan# 799

Delta R.T. 0.69 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Tgt Ion: 77 Resp: 30711

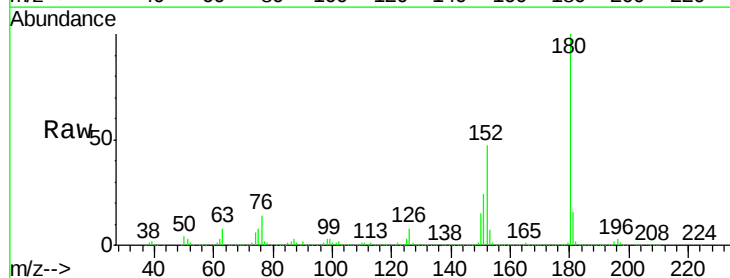
Ion Ratio Lower Upper

77 100

182 92.1 0.5 40.5#

105 7.3 1.8 41.8

51 156.0 11.2 51.2#

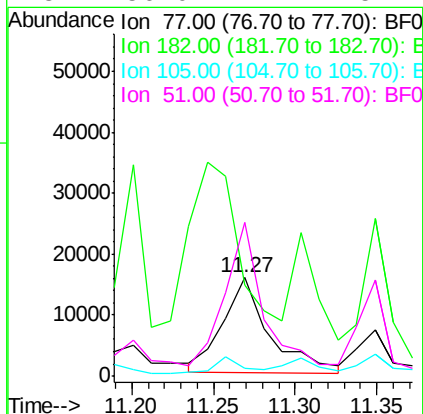
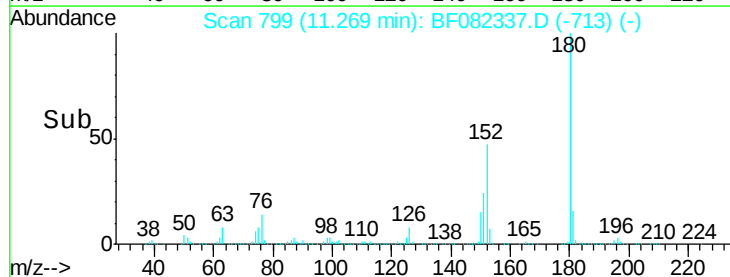


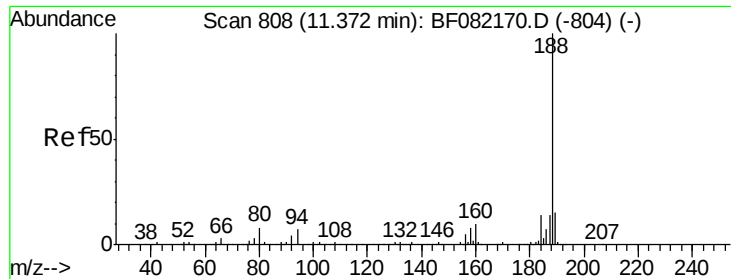
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

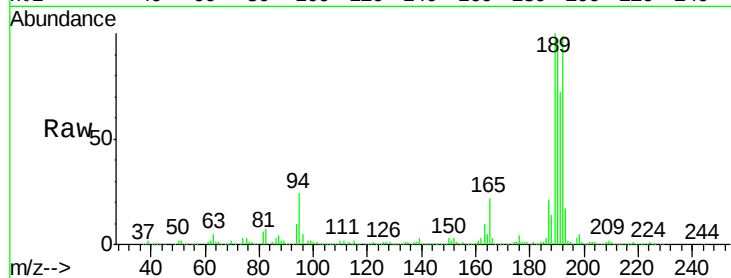




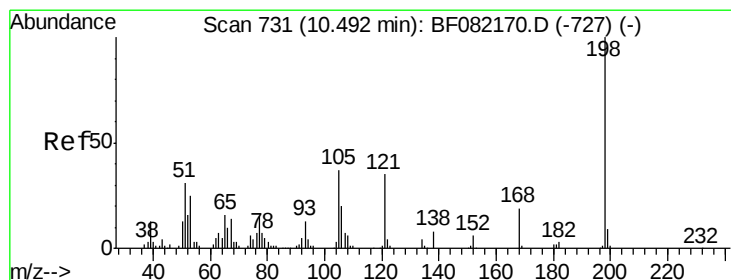
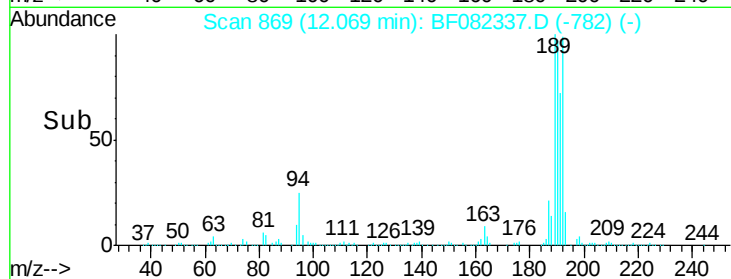
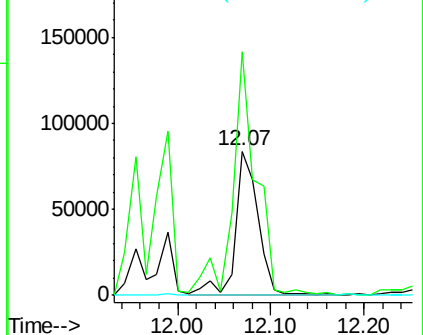
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.07 min Scan# 869
Delta R.T. 0.70 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

Instrument :
BNA_F
ClientSampleId :
GOODLUCK58

Tot Ion:188 Resp: 140186
Ion Ratio Lower Upper
188 100
94 168.7 5.8 8.6#
80 0.0 6.4 9.6#

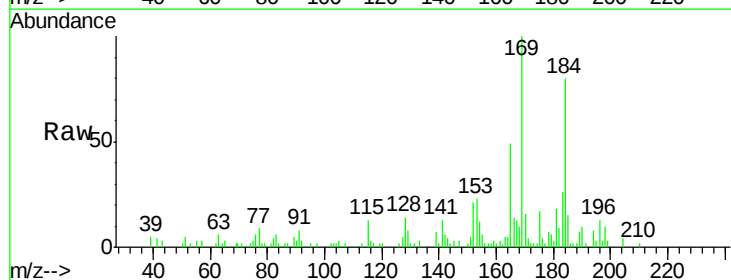


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

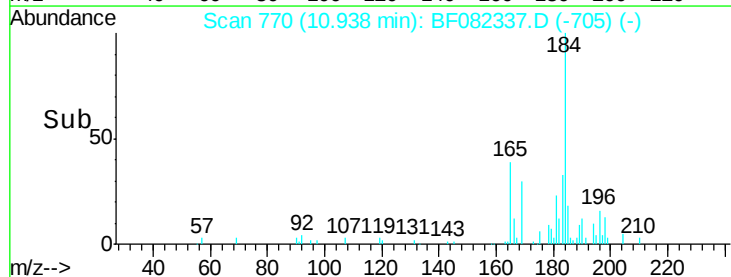
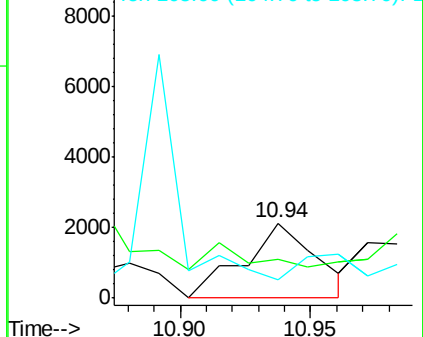


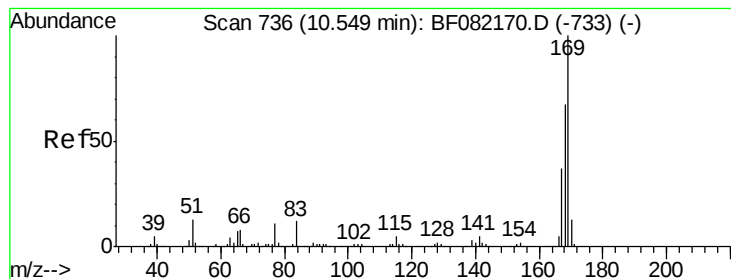
#64
4,6-Dinitro-2-methylphenol
Concen: 5.26 ng
RT: 10.94 min Scan# 770
Delta R.T. 0.45 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

Tgt Ion:198 Resp: 4135
Ion Ratio Lower Upper
198 100
51 50.9 13.6 53.6
105 24.3 17.1 57.1



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 4.47 ng

RT: 11.18 min Scan# 791

Delta R.T. 0.63 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

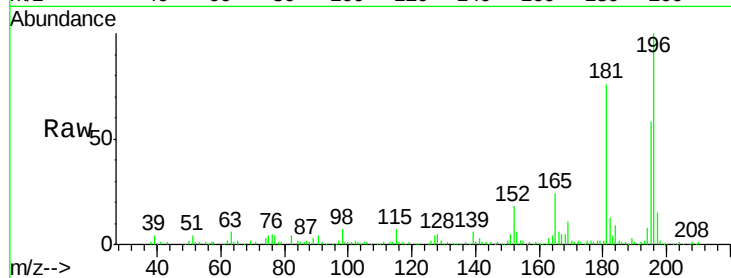
Tot Ion:169 Resp: 18760

Ion Ratio Lower Upper

169 100

168 44.0 54.0 81.0#

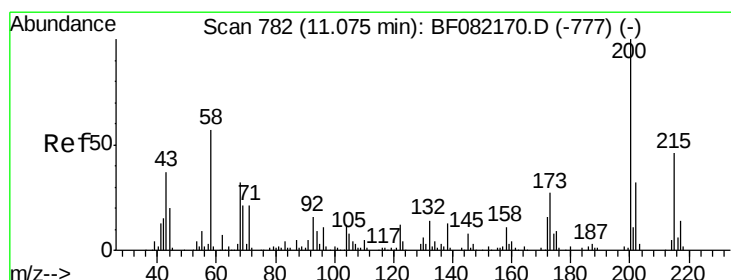
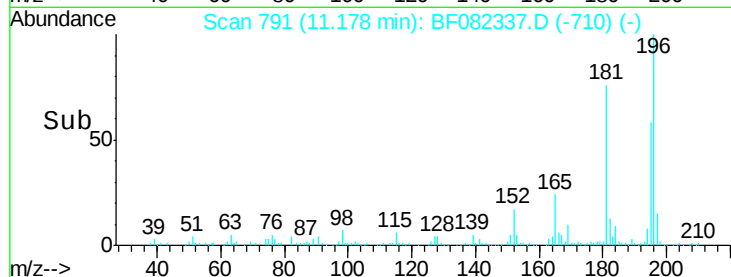
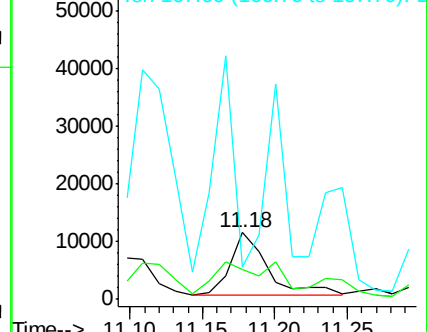
167 49.5 29.6 44.4#



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



#68

Atrazine

Concen: 12.19 ng

RT: 11.75 min Scan# 841

Delta R.T. 0.66 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

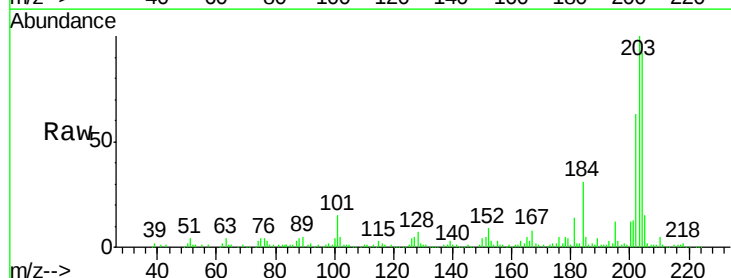
Tgt Ion:200 Resp: 16211

Ion Ratio Lower Upper

200 100

173 6.7 7.3 47.3#

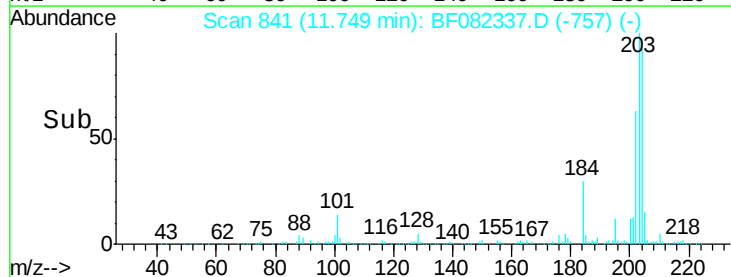
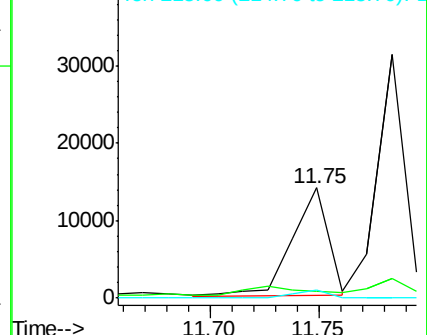
215 7.3 26.2 66.2#

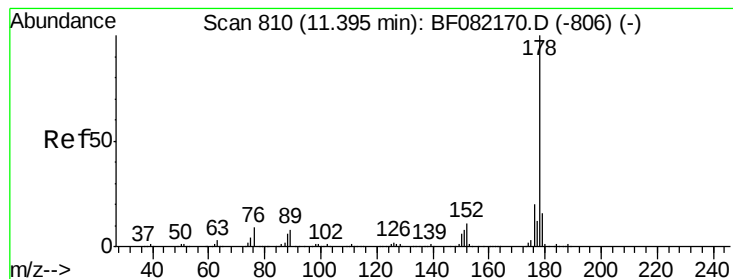


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 2.48 ng

RT: 12.03 min Scan# 866

Delta R.T. 0.64 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

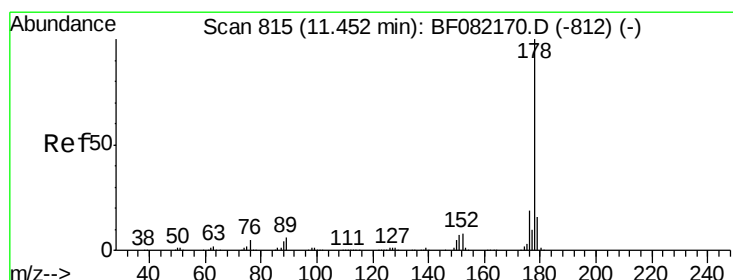
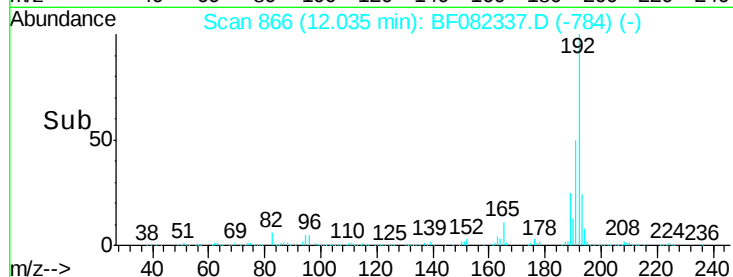
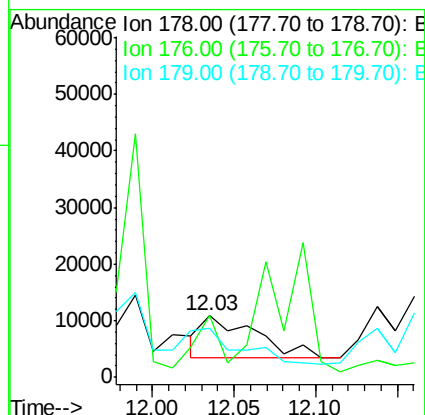
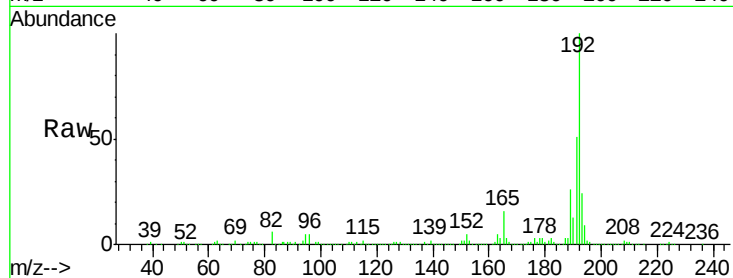
Tot Ion:178 Resp: 17024

Ion Ratio Lower Upper

178 100

176 101.2 16.0 24.0#

179 79.3 12.6 19.0#



#71

Anthracene

Concen: 6.68 ng

RT: 12.18 min Scan# 879

Delta R.T. 0.73 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

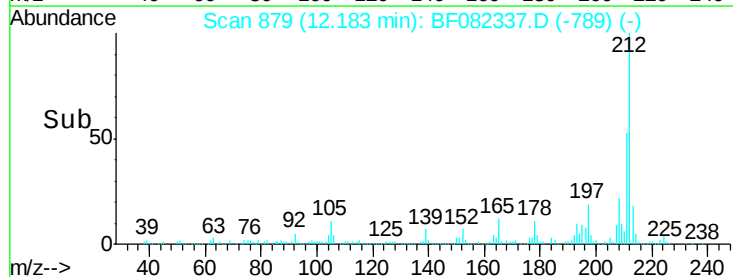
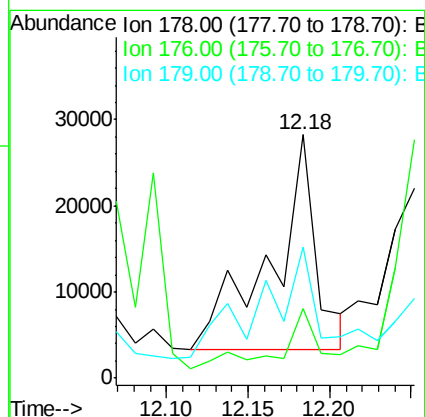
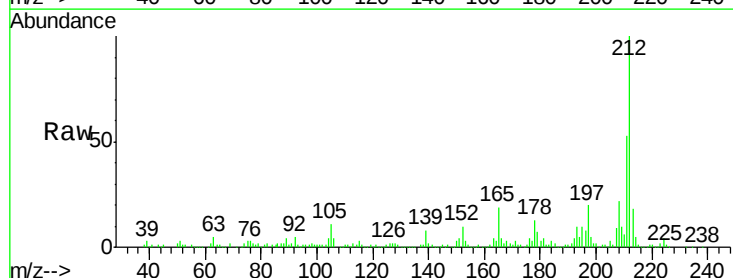
Tgt Ion:178 Resp: 47310

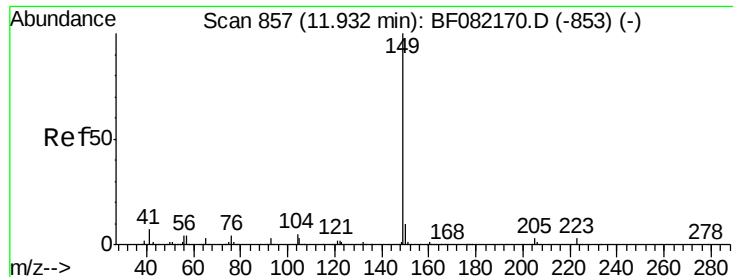
Ion Ratio Lower Upper

178 100

176 28.7 15.4 23.0#

179 54.0 12.5 18.7#

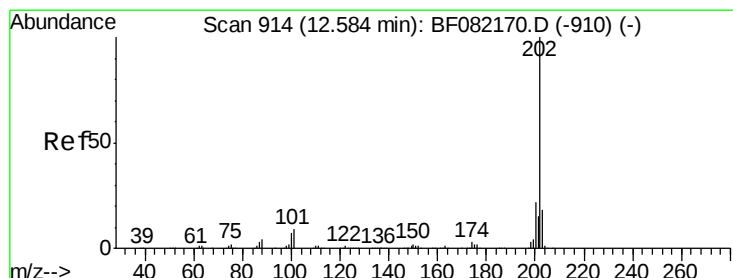
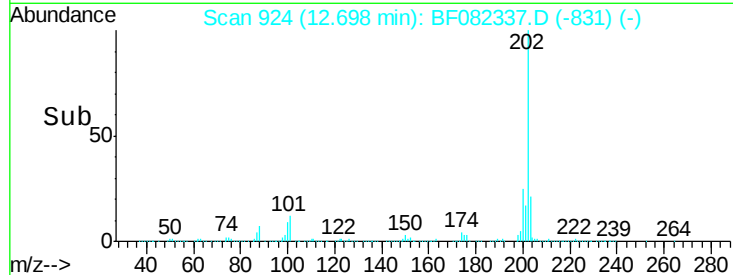
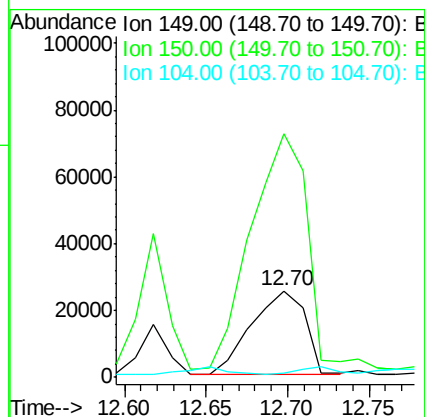
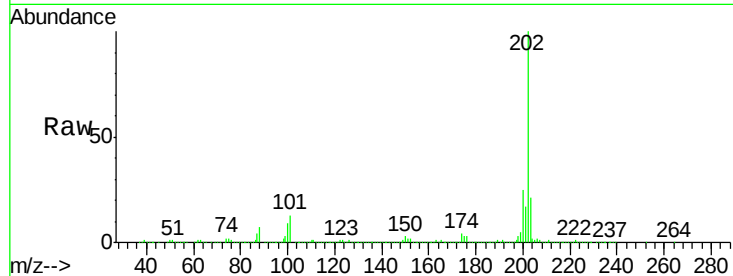




#73
Di-n-butylphthalate
Concen: 7.18 ng
RT: 12.70 min Scan# 924
Delta R.T. 0.77 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

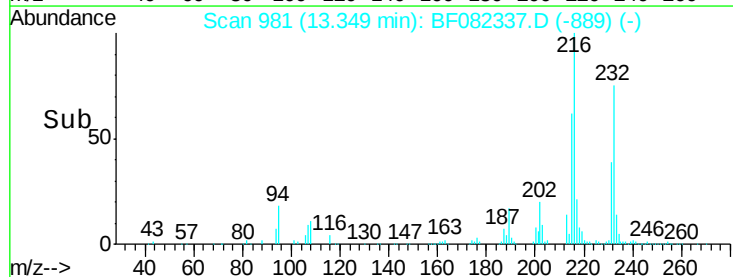
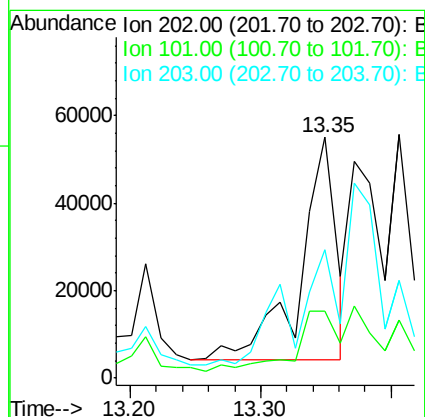
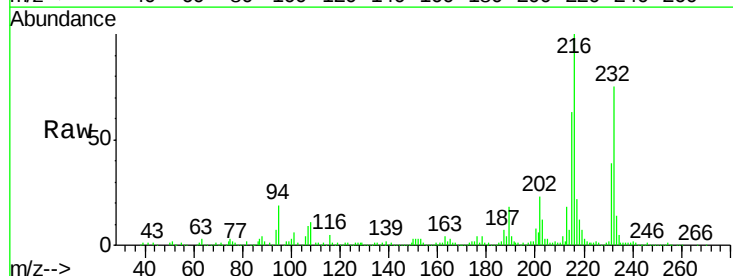
Instrument :
BNA_F
ClientSampleId :
GOODLUCK58

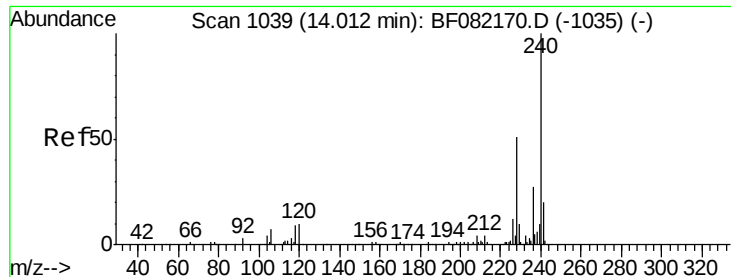
Tot Ion:149 Resp: 57247
Ion Ratio Lower Upper
149 100
150 281.4 7.8 11.6#
104 5.0 3.8 5.8



#74
Fluoranthene
Concen: 13.03 ng
RT: 13.35 min Scan# 981
Delta R.T. 0.75 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

Tgt Ion:202 Resp: 96150
Ion Ratio Lower Upper
202 100
101 27.7 0.0 29.3
203 53.2 0.0 37.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.00 min Scan# 1125

Delta R.T. 0.93 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

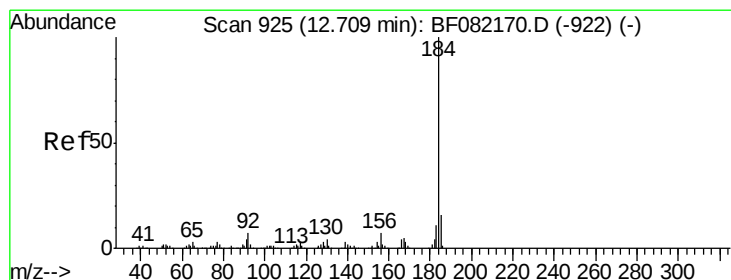
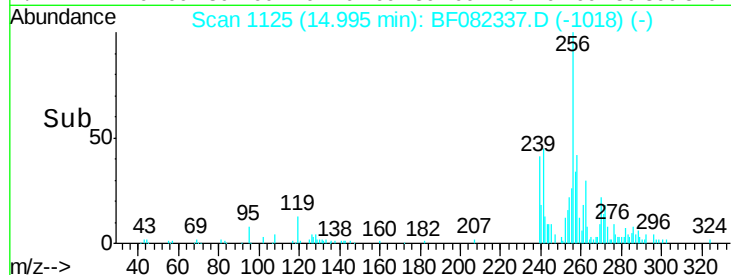
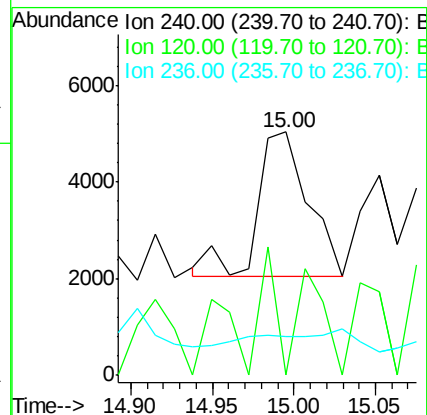
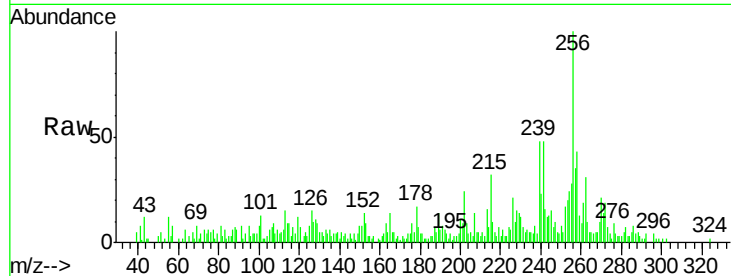
Tot Ion:240 Resp: 6403

Ion Ratio Lower Upper

240 100

120 0.0 8.1 12.1#

236 16.0 21.3 31.9#



#76

Benzidine

Concen: 3.98 ng

RT: 13.57 min Scan# 1000

Delta R.T. 0.85 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

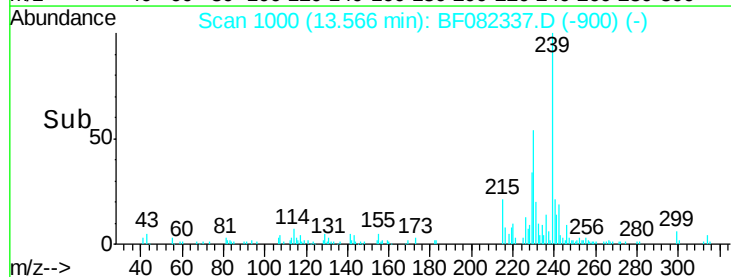
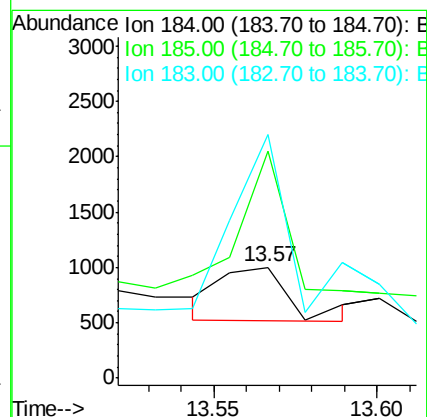
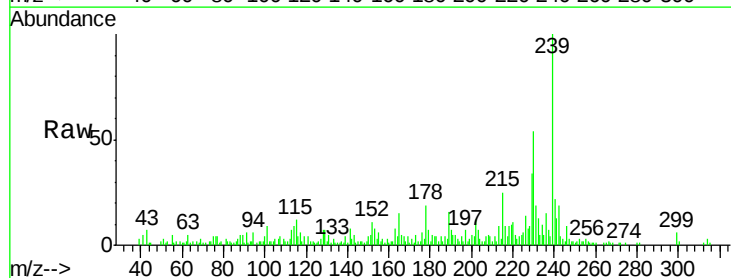
Tgt Ion:184 Resp: 739

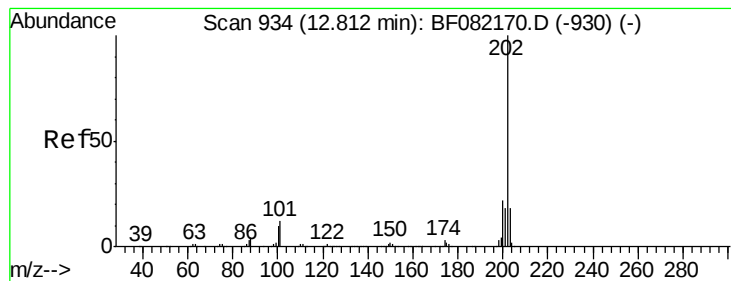
Ion Ratio Lower Upper

184 100

185 204.2 12.5 18.7#

183 219.6 9.1 13.7#





#77

Pvrene

Concen: 52.06 ng

RT: 13.66 min Scan# 1008

Delta R.T. 0.83 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

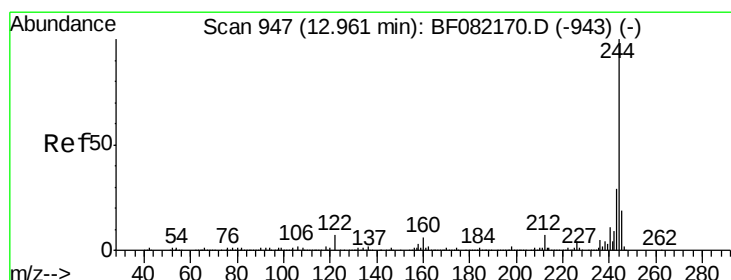
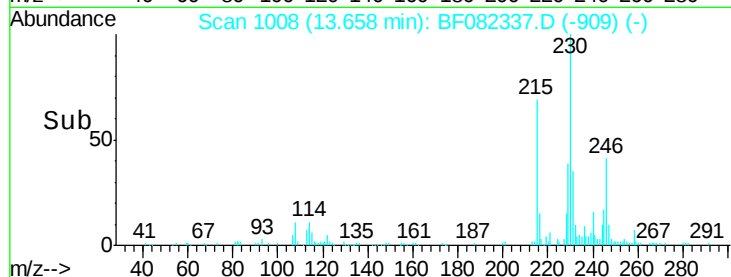
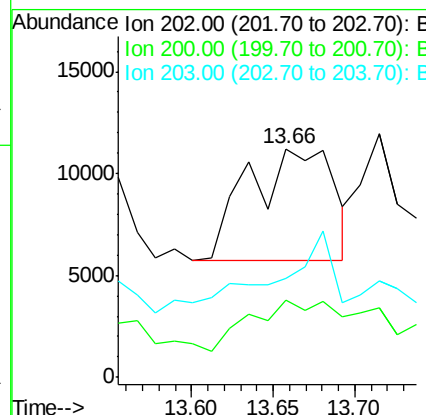
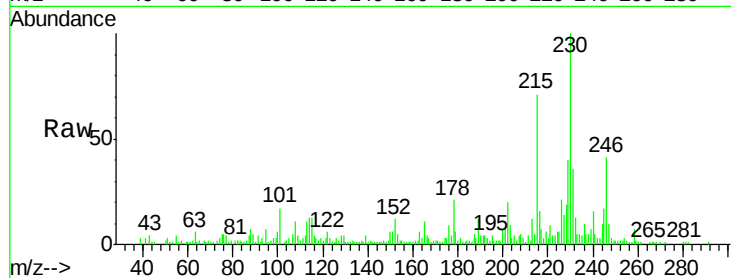
Tot Ion:202 Resp: 19783

Ion Ratio Lower Upper

202 100

200 33.9 17.9 26.9#

203 43.6 14.5 21.7#



#78

Terphenyl-d14

Concen: 20.14 ng

RT: 13.81 min Scan# 1021

Delta R.T. 0.85 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

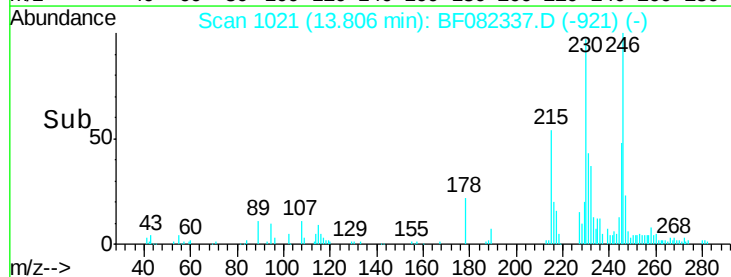
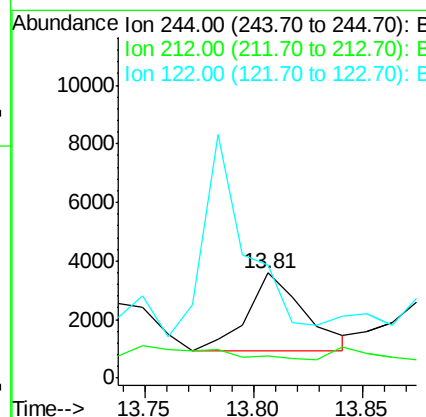
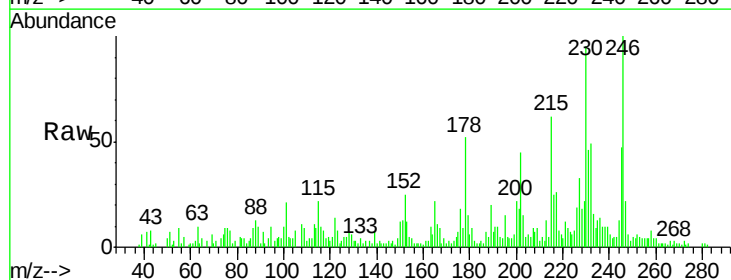
Tgt Ion:244 Resp: 4866

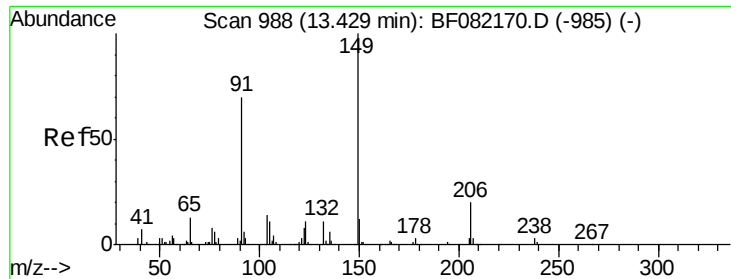
Ion Ratio Lower Upper

244 100

212 21.1 5.8 8.6#

122 107.4 5.9 8.9#

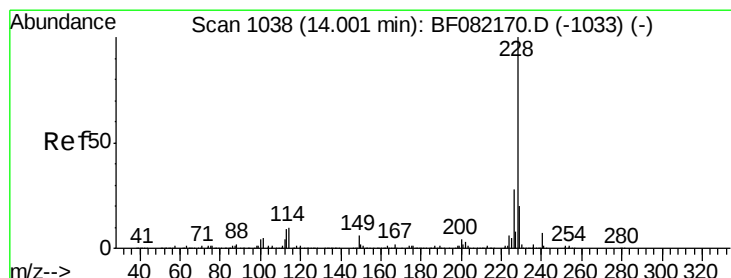
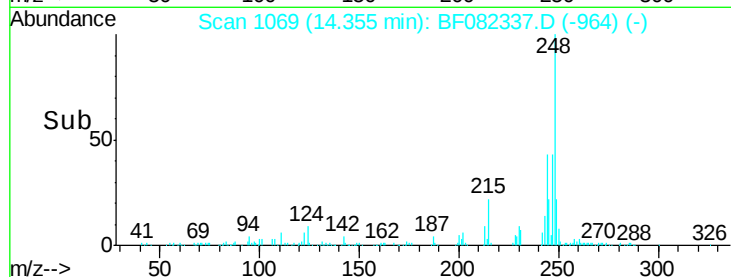
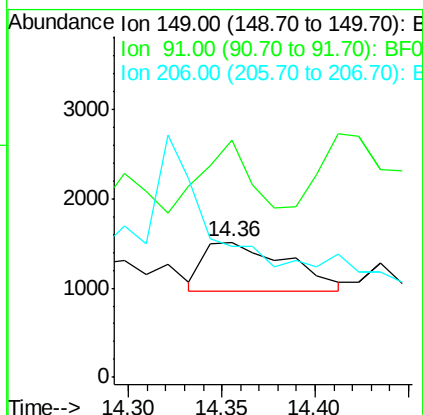
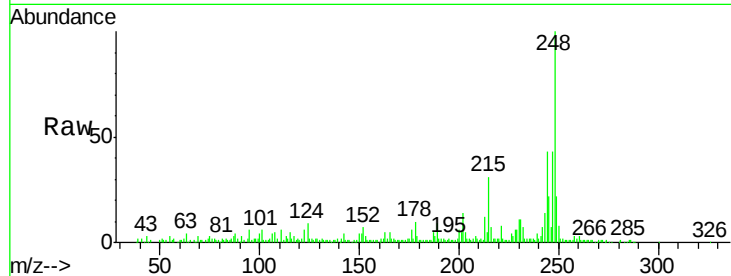




#79
 Butylbenzylphthalate
 Concen: 9.84 ng
 RT: 14.36 min Scan# 1069
 Delta R.T. 0.90 min
 Lab File: BF082337.D
 Acq: 16 Oct 2015 20:41

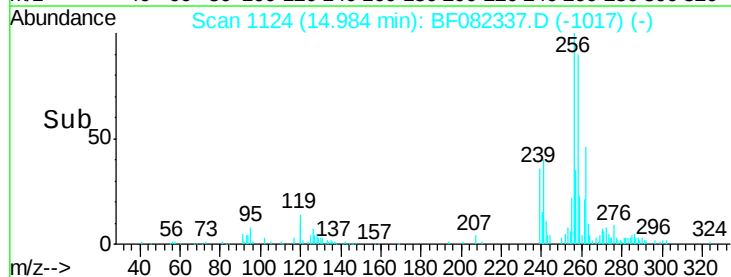
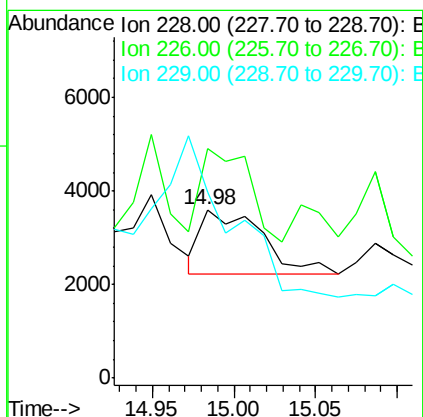
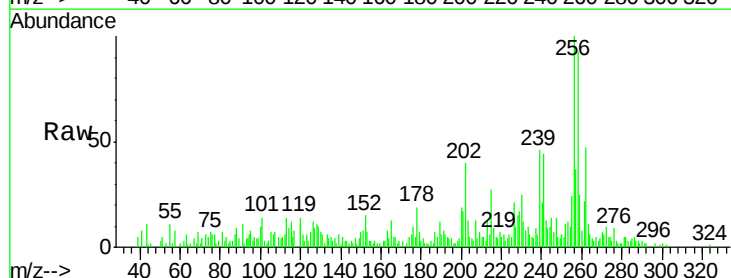
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK58

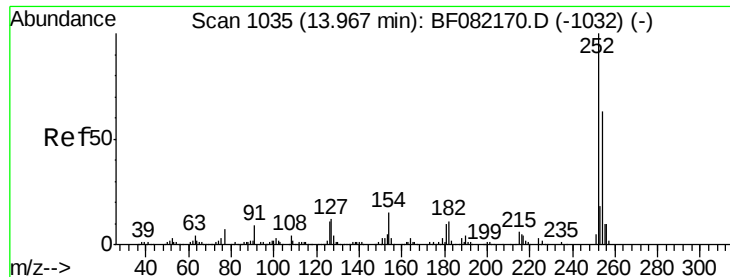
Tot Ion:149 Resp: 1707
 Ion Ratio Lower Upper
 149 100
 91 175.5 55.7 83.5#
 206 96.4 15.6 23.4#



#80
 Benzo(a)anthracene
 Concen: 10.78 ng
 RT: 14.98 min Scan# 1124
 Delta R.T. 0.93 min
 Lab File: BF082337.D
 Acq: 16 Oct 2015 20:41

Tgt Ion:228 Resp: 3590
 Ion Ratio Lower Upper
 228 100
 226 136.5 22.3 33.5#
 229 110.6 16.2 24.2#

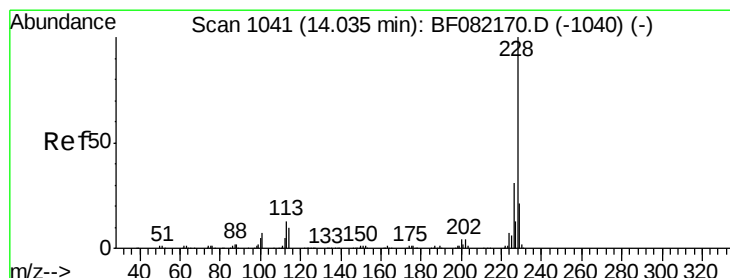
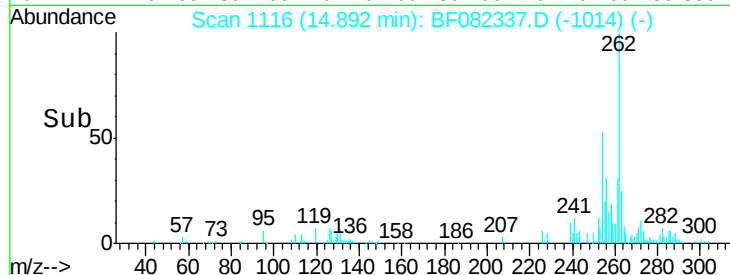
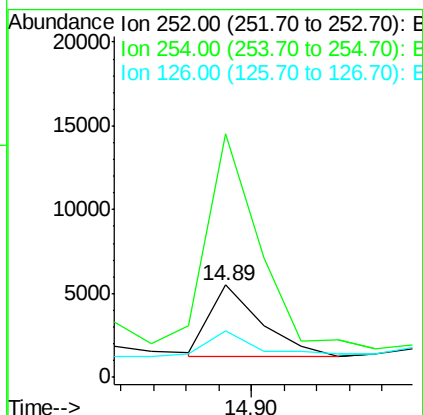
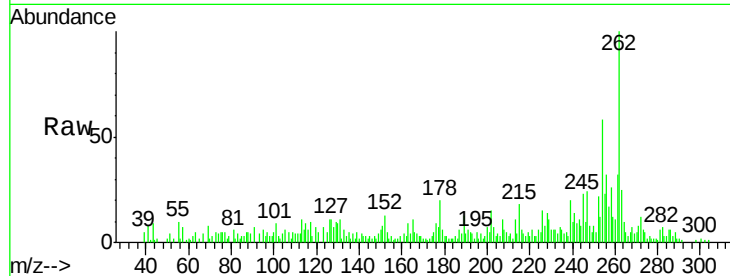




#81
 3,3'-Dichlorobenzidine
 Concen: 37.21 ng
 RT: 14.89 min Scan# 1116
 Delta R.T. 0.87 min
 Lab File: BF082337.D
 Acq: 16 Oct 2015 20:41

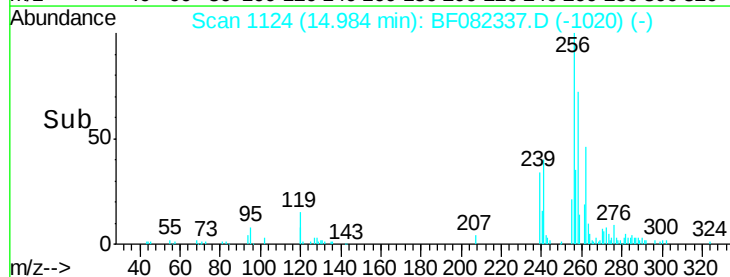
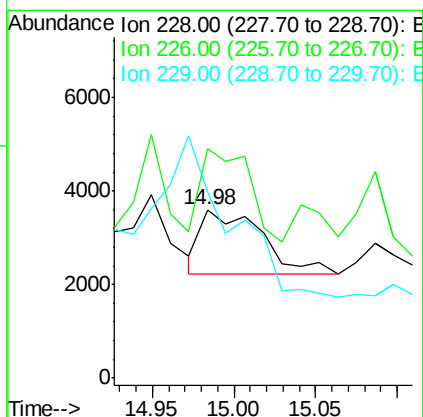
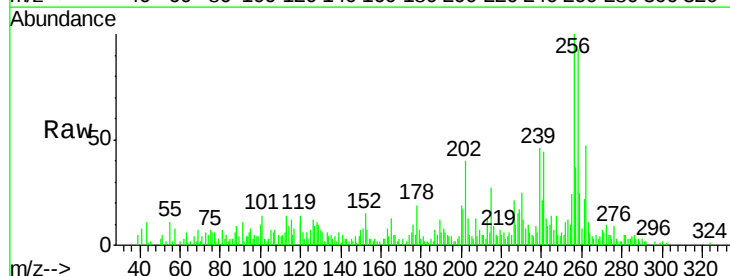
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK58

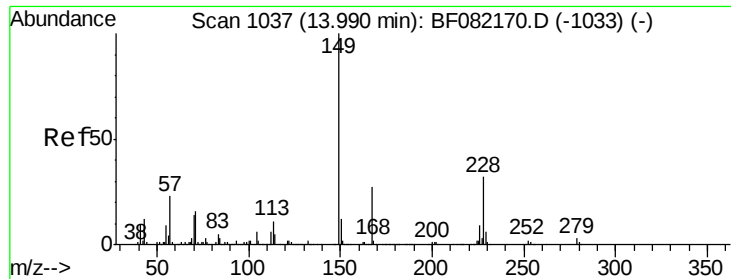
Tot Ion:252 Resp: 4705
 Ion Ratio Lower Upper
 252 100
 254 263.4 50.7 76.1#
 126 50.9 9.0 13.6#



#82
 Chrysene
 Concen: 10.23 ng
 RT: 14.98 min Scan# 1124
 Delta R.T. 0.89 min
 Lab File: BF082337.D
 Acq: 16 Oct 2015 20:41

Tgt Ion:228 Resp: 3590
 Ion Ratio Lower Upper
 228 100
 226 136.5 24.4 36.6#
 229 110.6 16.3 24.5#

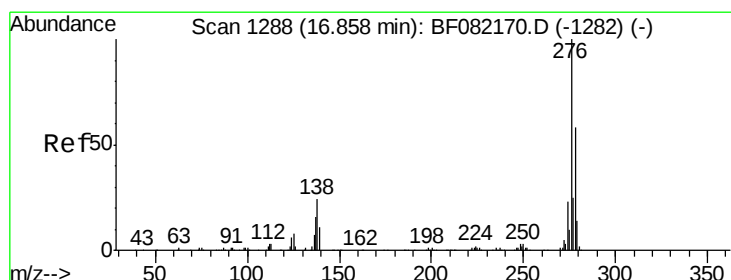
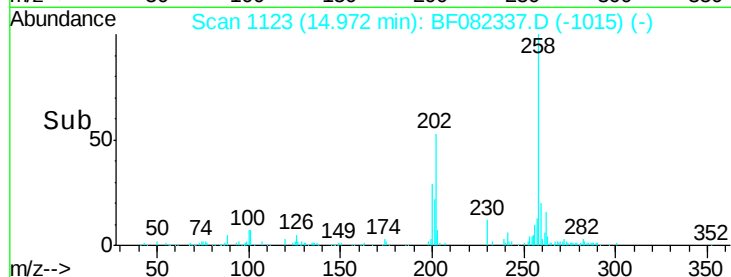
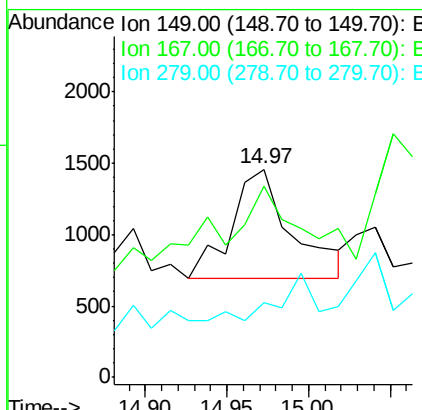
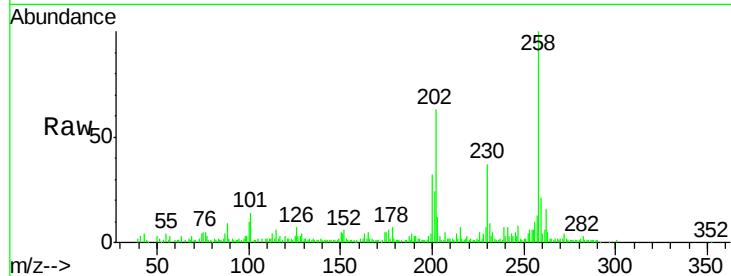




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.89 ng
 RT: 14.97 min Scan# 1123
 Delta R.T. 0.94 min
 Lab File: BF082337.D
 Acq: 16 Oct 2015 20:41

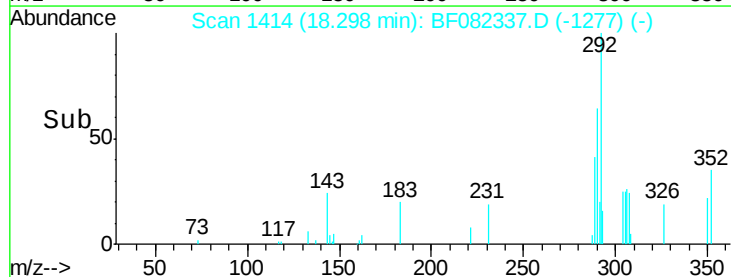
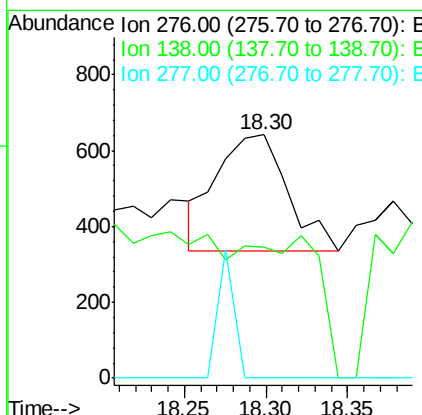
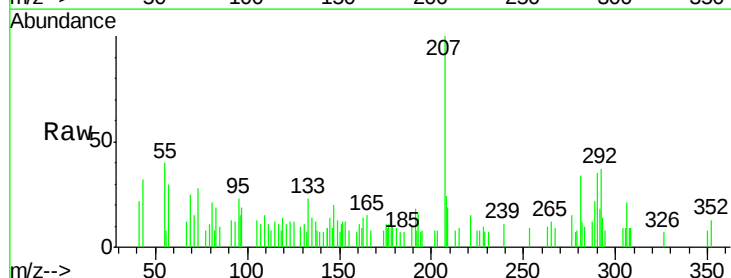
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK58

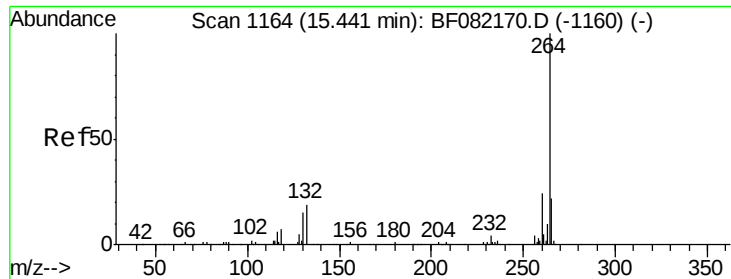
Tot Ion:149 Resp: 1953
 Ion Ratio Lower Upper
 149 100
 167 91.8 21.3 31.9#
 279 36.1 2.6 4.0#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.29 ng
 RT: 18.30 min Scan# 1414
 Delta R.T. 1.27 min
 Lab File: BF082337.D
 Acq: 16 Oct 2015 20:41

Tgt Ion:276 Resp: 918
 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: 16.62 min Scan# 1267

Delta R.T. 1.03 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

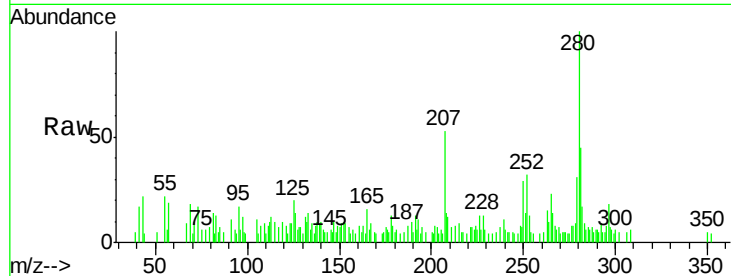
Tot Ion:264 Resp: 707

Ion Ratio Lower Upper

264 100

260 0.0 19.0 28.6#

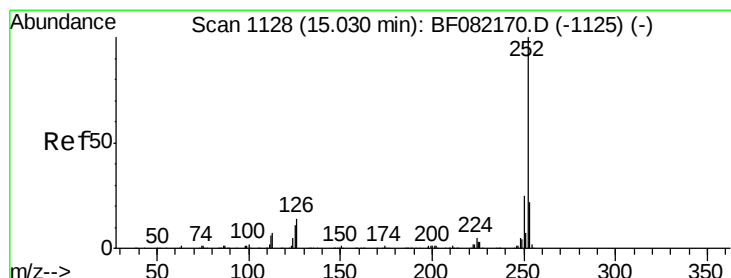
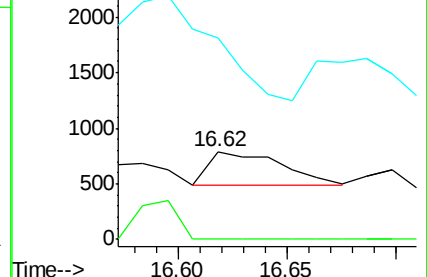
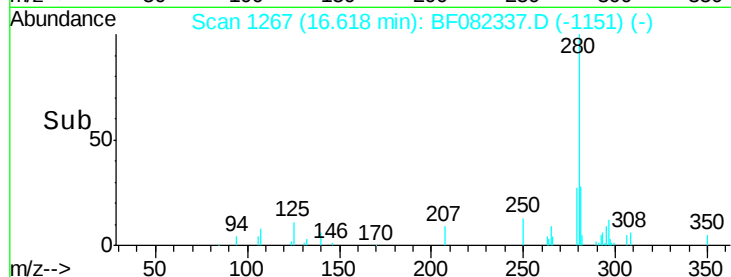
265 229.9 17.3 25.9#



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: 55.87 ng

RT: 16.16 min Scan# 1227

Delta R.T. 0.99 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

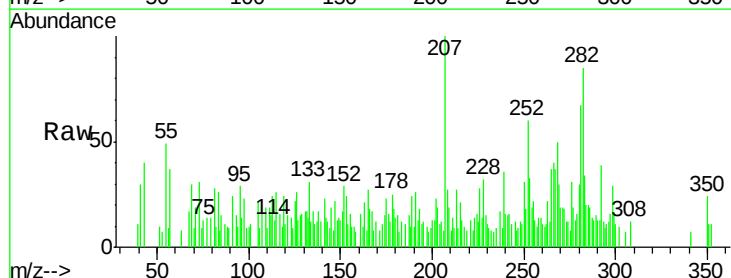
Tgt Ion:252 Resp: 2403

Ion Ratio Lower Upper

252 100

253 54.3 18.0 27.0#

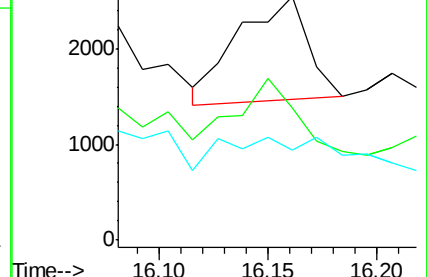
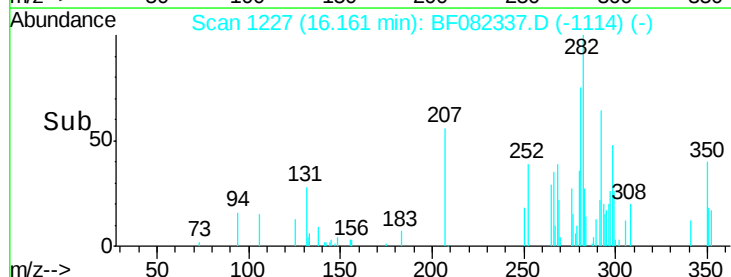
125 37.1 8.6 12.8#

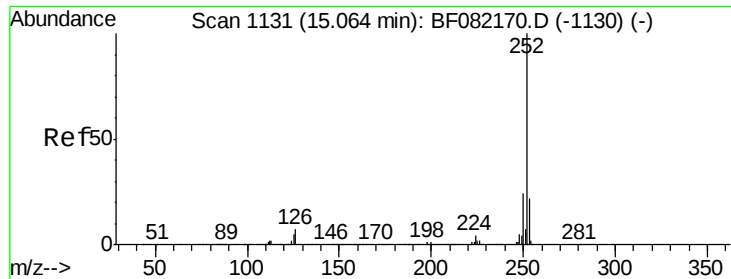


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

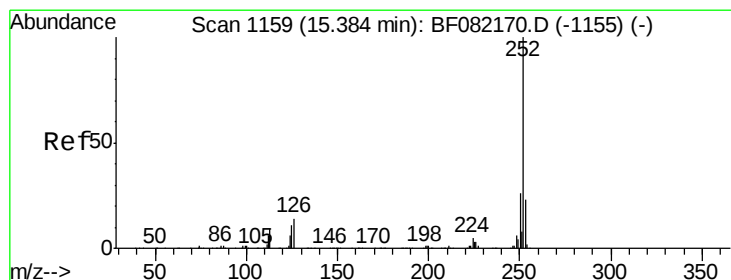
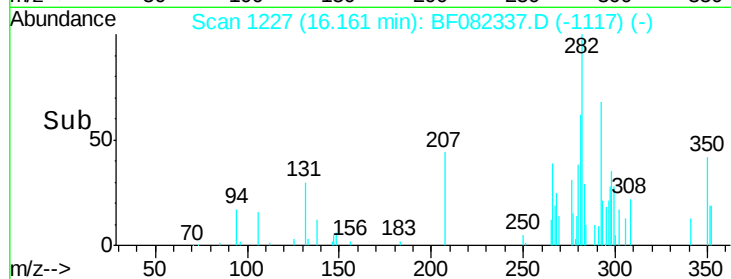
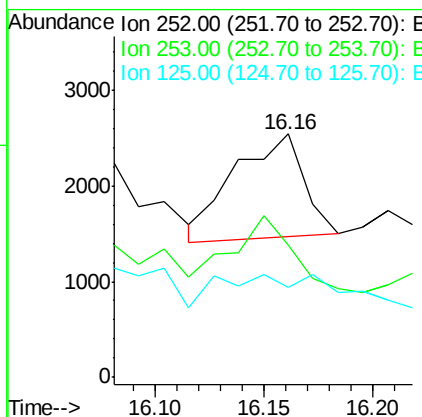
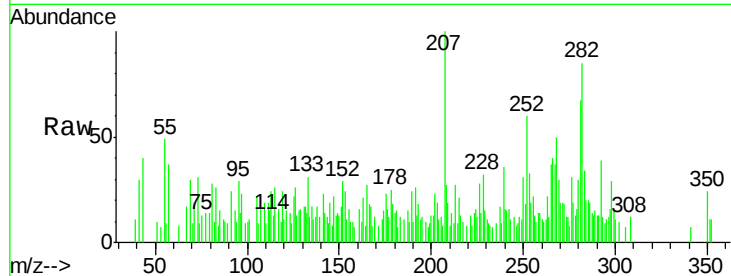




#88
Benzo(k)fluoranthene
Concen: 66.47 ng
RT: 16.16 min Scan# 1227
Delta R.T. 0.96 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

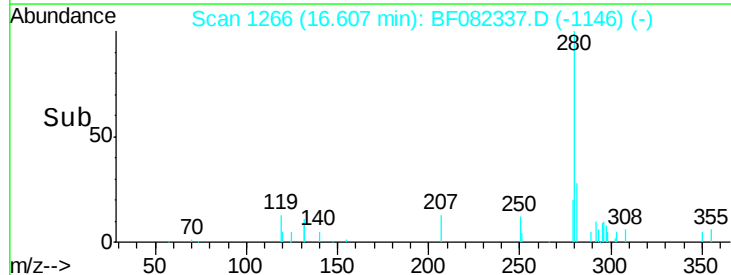
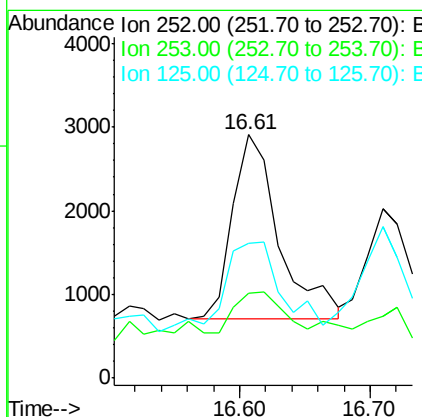
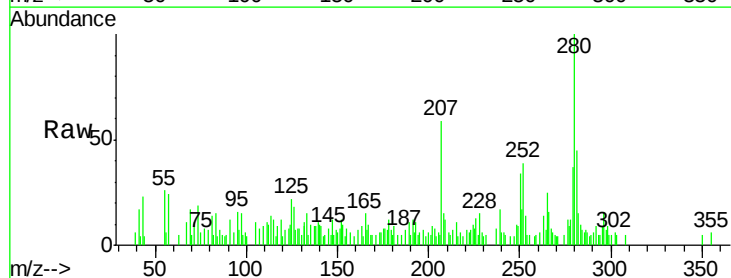
Instrument :
BNA_F
ClientSampleId :
GOODLUCK58

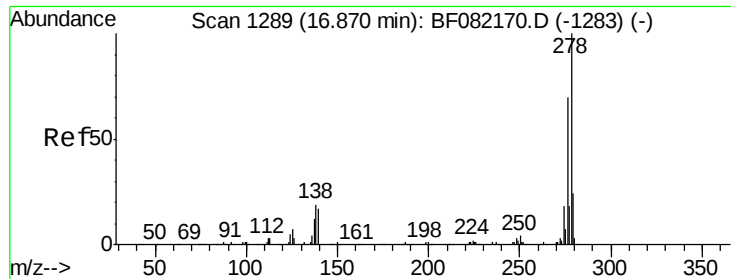
Tot Ion:252 Resp: 2403
Ion Ratio Lower Upper
252 100
253 54.3 17.8 26.6#
125 37.1 6.7 10.1#



#89
Benzo(a)pyrene
Concen: 148.11 ng
RT: 16.61 min Scan# 1266
Delta R.T. 1.07 min
Lab File: BF082337.D
Acq: 16 Oct 2015 20:41

Tgt Ion:252 Resp: 5475
Ion Ratio Lower Upper
252 100
253 34.8 18.2 27.2#
125 55.4 8.9 13.3#





#90

Dibenzo(a,h)anthracene

Concen: 16.21 ng

RT: 18.16 min Scan# 1402

Delta R.T. 1.11 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

Instrument :

BNA_F

ClientSampleId :

GOODLUCK58

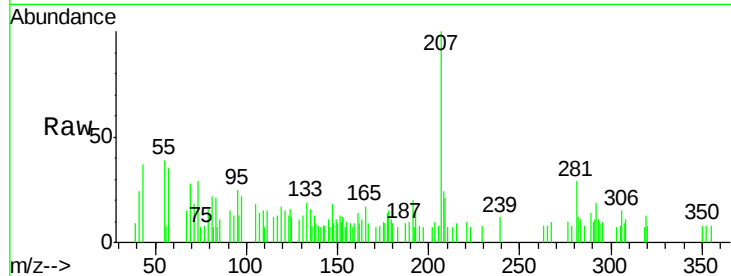
Tot Ion:278 Resp: 491

Ion Ratio Lower Upper

278 100

139 90.2 13.3 19.9#

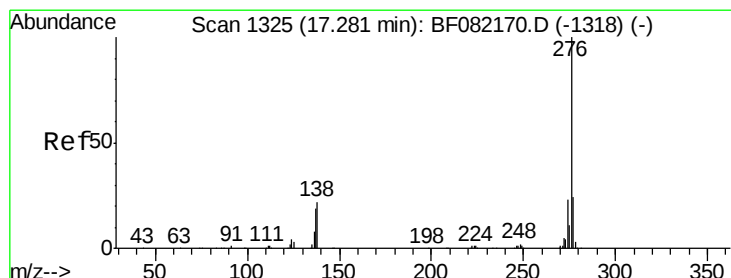
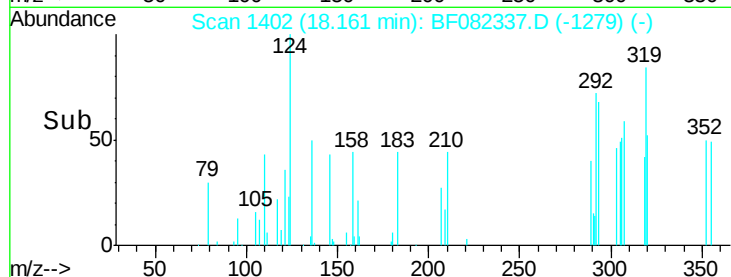
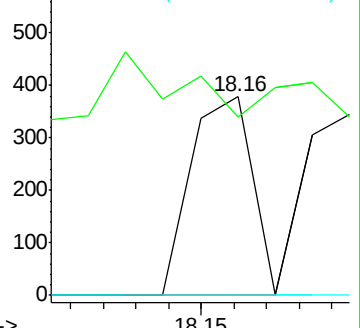
279 0.0 18.9 28.3#



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: 15.60 ng

RT: 18.60 min Scan# 1440

Delta R.T. 1.13 min

Lab File: BF082337.D

Acq: 16 Oct 2015 20:41

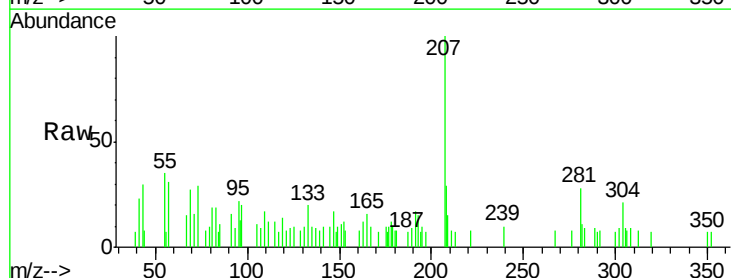
Tgt Ion:276 Resp: 459

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

