

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031616\
 Data File : BF085492.D
 Acq On : 17 Mar 2016 5:44
 Operator : UM/SJ
 Sample : H1796-12 50X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB12(11-15)

Quant Time: Mar 17 05:37:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	122242	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	474123	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	199623	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	293732	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	216743	20.00	ng	-0.02
86) Perylene-d12	15.51	264	282620	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	11566	1.63	ng	-0.01
7) Phenol-d6	6.52	99	15063	1.63	ng	-0.03
23) Nitrobenzene-d5	7.46	82	7971	0.99	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	1893	1.03	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	18437	1.60	ng	-0.02
78) Terphenyl-d14	13.01	244	9670	1.01	ng	-0.02

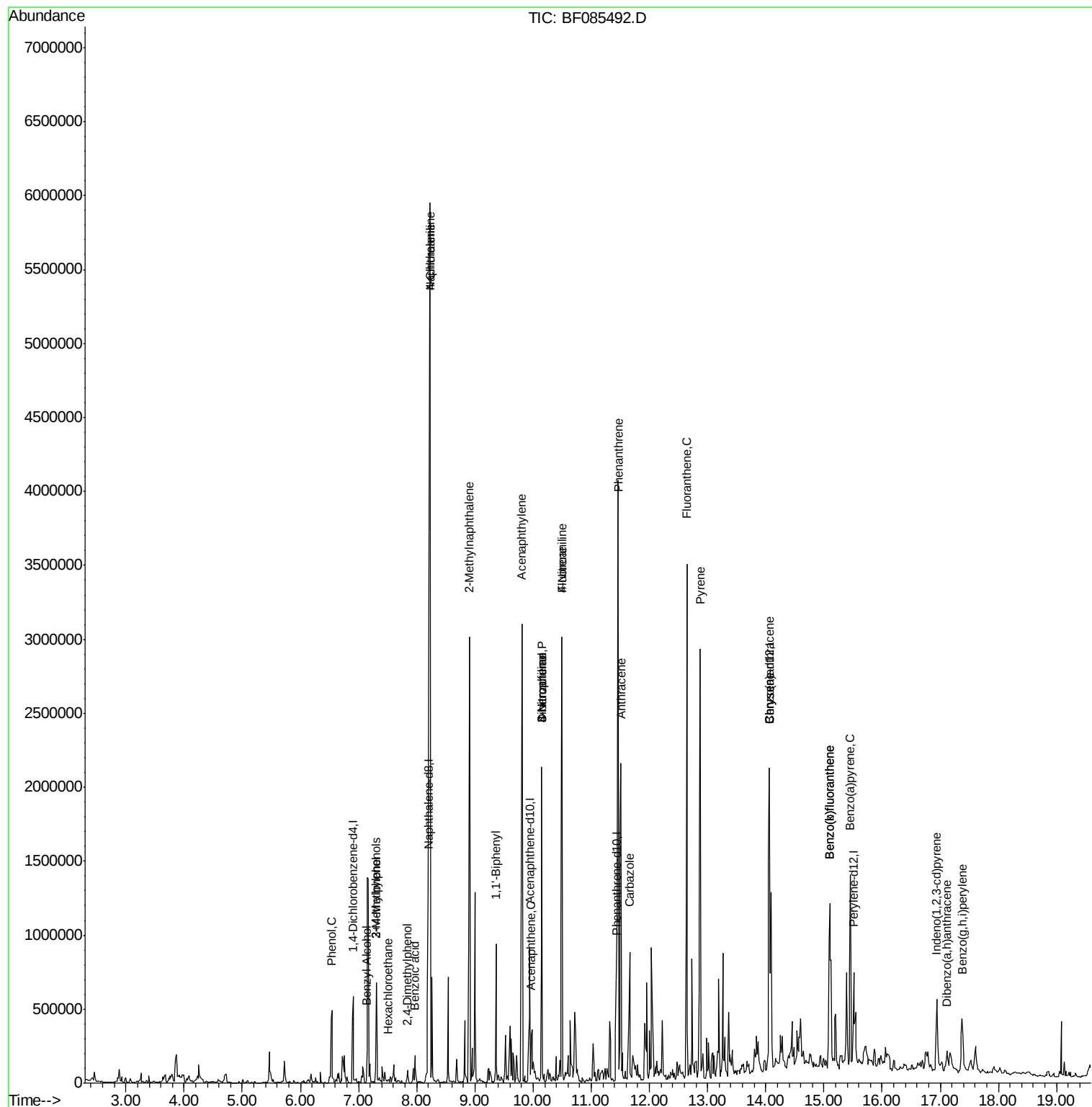
Target Compounds				Qvalue		
10) Phenol	6.54	94	262741	25.41	ng	85
15) Benzyl Alcohol	7.14	79	18002	2.73	ng	# 1
17) 2-Methylphenol	7.30	107	153502	21.99	ng	86
18) Hexachloroethane	7.51	117	9860	2.90	ng	# 3
20) 3+4-Methylphenols	7.30	107	153502	20.51	ng	# 76
27) 2,4-Dimethylphenol	7.84	122	25007	3.25	ng	94
31) Naphthalene	8.23	128	5209599	224.87	ng	98
32) Benzoic acid	7.97	122	22589	5.10	ng	# 22
33) 4-Chloroaniline	8.23	127	785651	78.84	ng	# 36
37) 2-Methylnaphthalene	8.90	142	839557	57.23	ng	99
45) 1,1'-Biphenyl	9.36	154	260249	15.97	ng	95
48) Acenaphthylene	9.81	152	1425048	72.15	ng	99
51) Acenaphthene	9.97	154	112174	9.03	ng	99
52) 3-Nitroaniline	10.15	138	15327	3.98	ng	# 14
54) Dibenzofuran	10.15	168	908807	59.58	ng	95
55) 4-Nitrophenol	10.15	139	368949	139.32	ng	# 19
57) Fluorene	10.49	166	900271	74.01	ng	100
61) 4-Nitroaniline	10.49	138	11321	3.13	ng	# 22
70) Phenanthrene	11.46	178	2533810	165.62	ng	99
71) Anthracene	11.51	178	1157703	74.29	ng	99
72) Carbazole	11.66	167	404148	30.65	ng	98
74) Fluoranthene	12.64	202	1413380	98.28	ng	98
77) Pyrene	12.87	202	1182999	72.77	ng	100
80) Benzo(a)anthracene	14.06	228	691981	55.69	ng	# 74
82) Chrysene	14.06	228	691981	61.91	ng	# 77
85) Indeno(1,2,3-cd)pyrene	16.94	276	311697	29.42	ng	93
87) Benzo(b)fluoranthene	15.10	252	959666	51.99	ng	99
88) Benzo(k)fluoranthene	15.10	252	959666	66.38	ng	99
89) Benzo(a)pyrene	15.45	252	592064	37.13	ng	# 95
90) Dibenzo(a,h)anthracene	17.11	278	79624	5.11	ng	97
91) Benzo(g,h,i)perylene	17.37	276	268167	16.86	ng	98

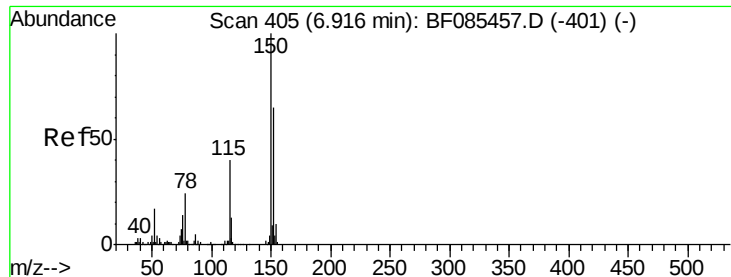
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

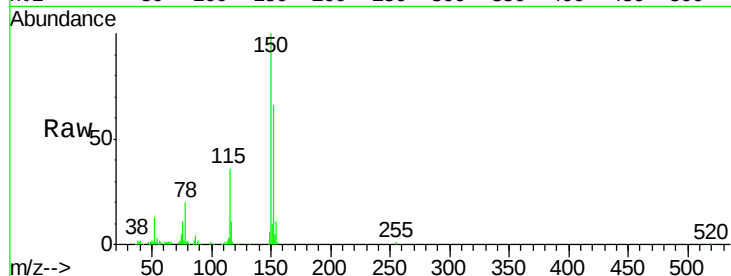
Tgt Ion:152 Resp: 122242

Ion Ratio Lower Upper

152 100

150 151.9 124.6 186.8

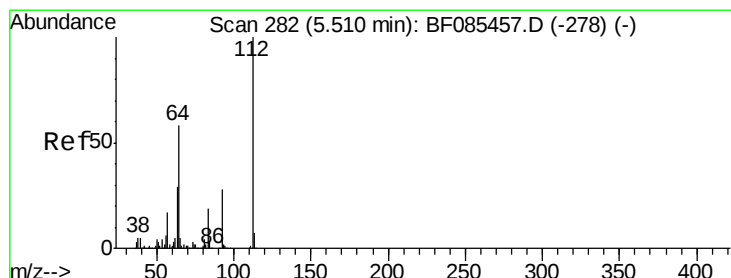
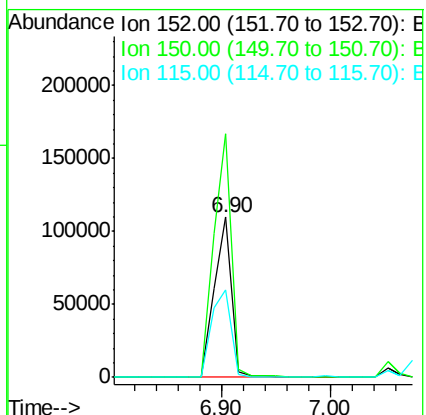
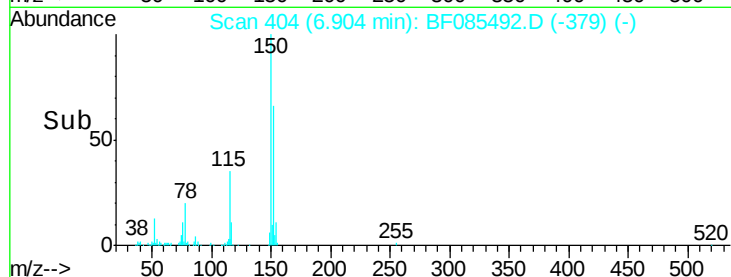
115 54.4 46.6 70.0



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: 1.63 ng

RT: 5.50 min Scan# 281

Delta R.T. -0.01 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

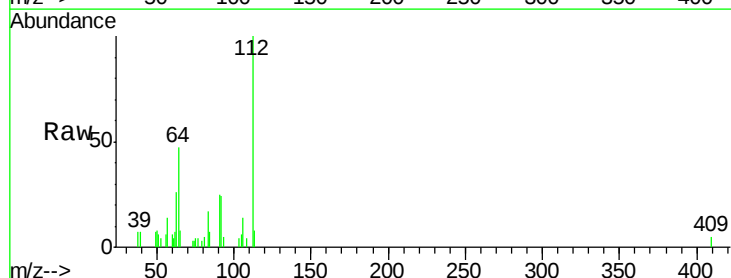
Tgt Ion:112 Resp: 11566

Ion Ratio Lower Upper

112 100

64 46.7 49.0 73.4#

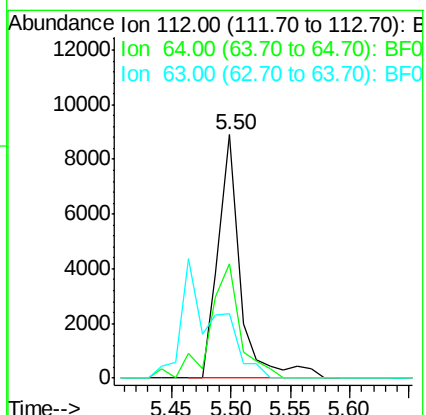
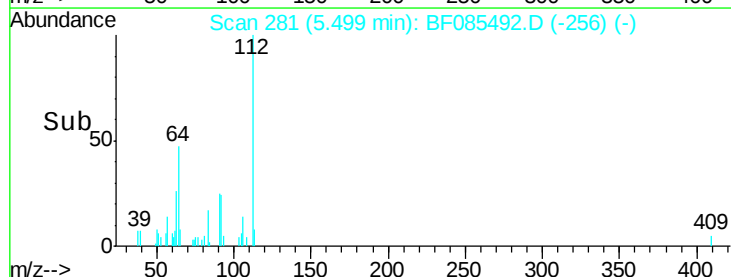
63 26.3 24.8 37.2

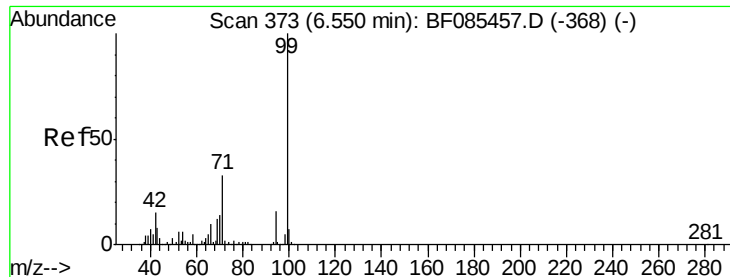


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.63 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

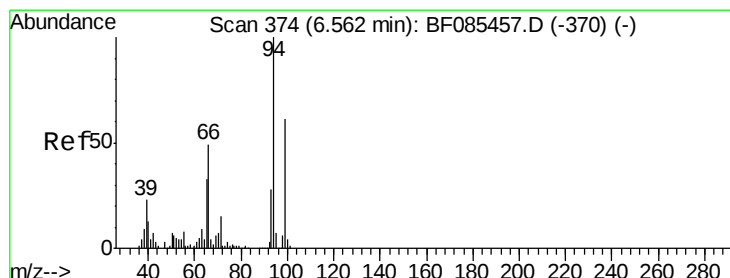
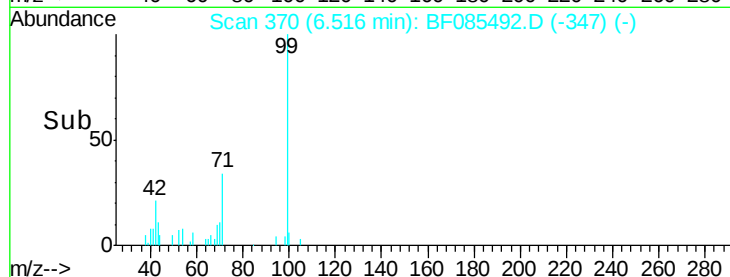
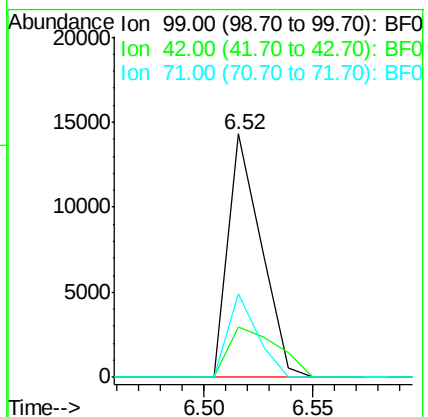
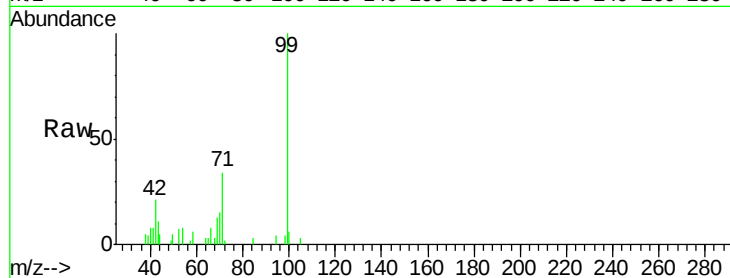
Tgt Ion: 99 Resp: 15063

Ion Ratio Lower Upper

99 100

42 20.6 13.6 20.4#

71 34.2 26.7 40.1



#10

Phenol

Concen: 25.41 ng

RT: 6.54 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

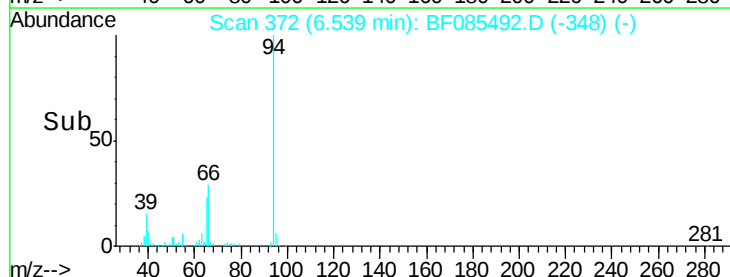
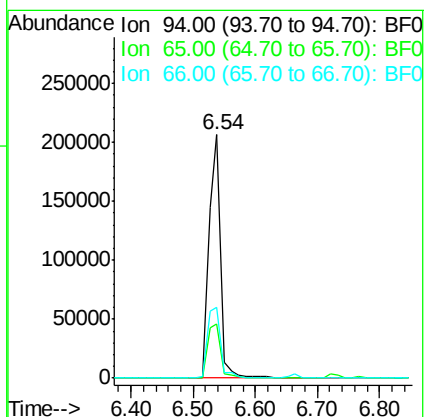
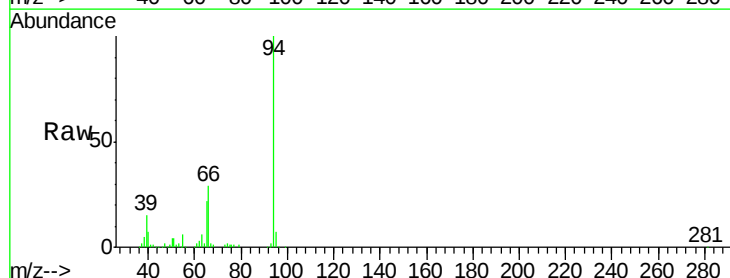
Tgt Ion: 94 Resp: 262741

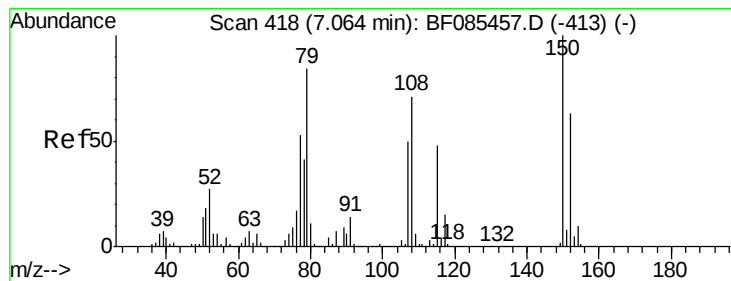
Ion Ratio Lower Upper

94 100

65 22.5 9.1 49.1

66 29.1 19.3 59.3





#15

Benzyl Alcohol

Concen: 2.73 ng

RT: 7.14 min Scan# 425

Delta R.T. 0.08 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

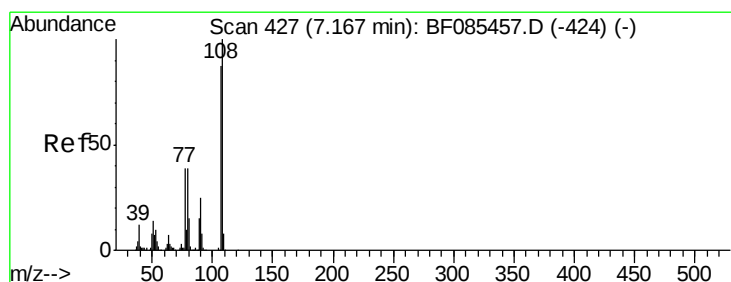
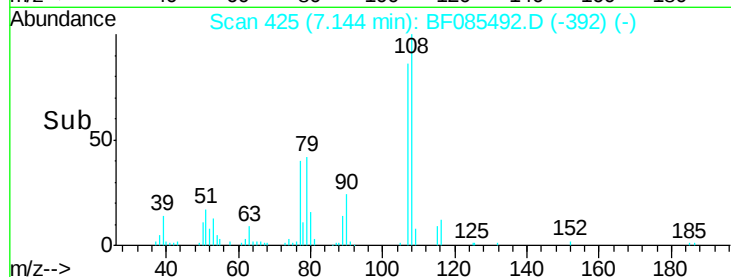
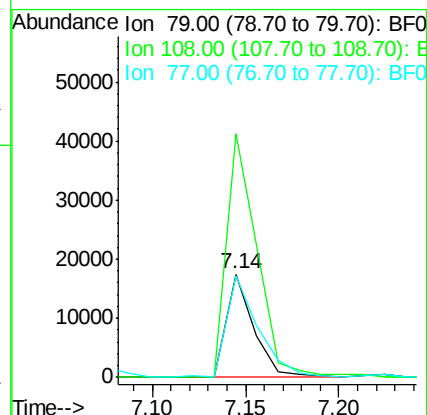
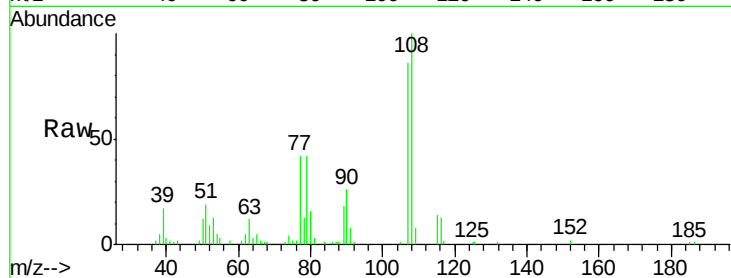
Tgt Ion: 79 Resp: 18002

Ion Ratio Lower Upper

79 100

108 236.5 62.9 94.3#

77 99.2 49.5 74.3#



#17

2-Methylphenol

Concen: 21.99 ng

RT: 7.30 min Scan# 439

Delta R.T. 0.14 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Tgt Ion: 107 Resp: 153502

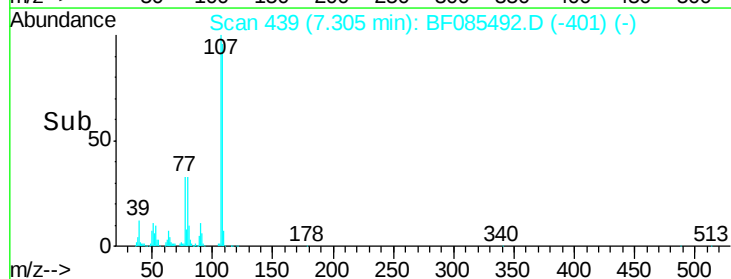
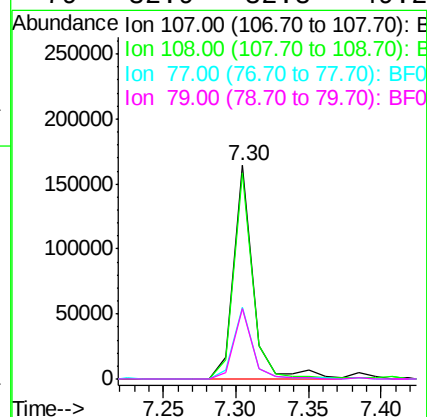
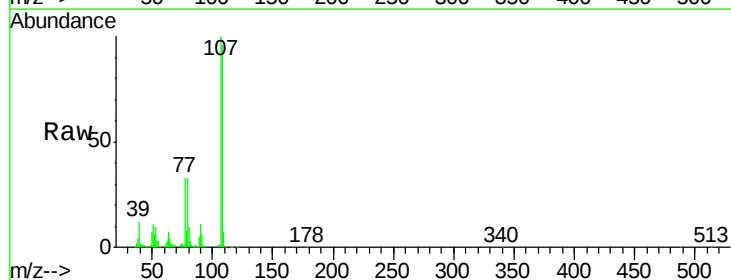
Ion Ratio Lower Upper

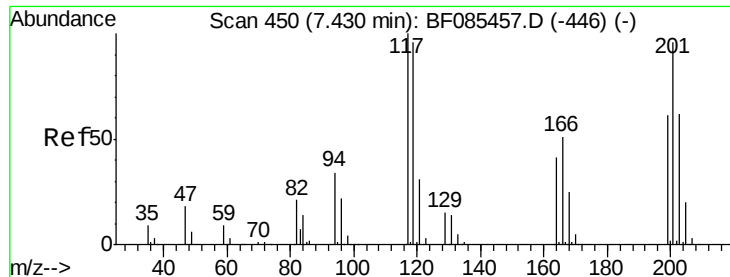
107 100

108 96.5 90.9 136.3

77 33.5 32.6 48.8

79 32.9 32.8 49.2

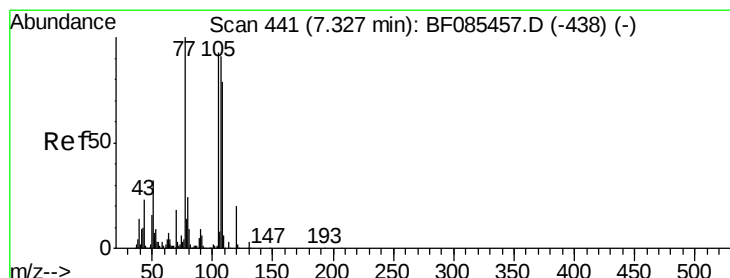
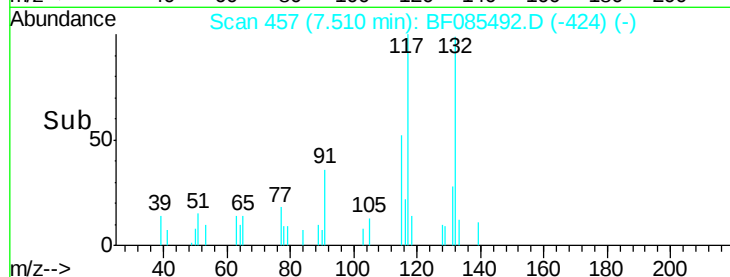
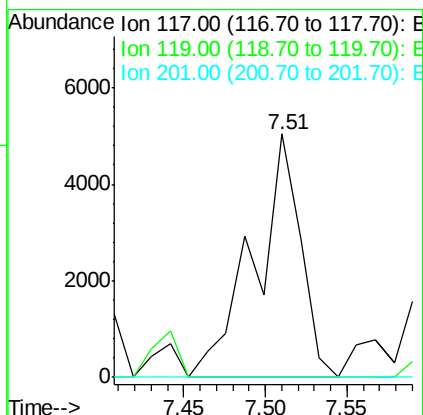
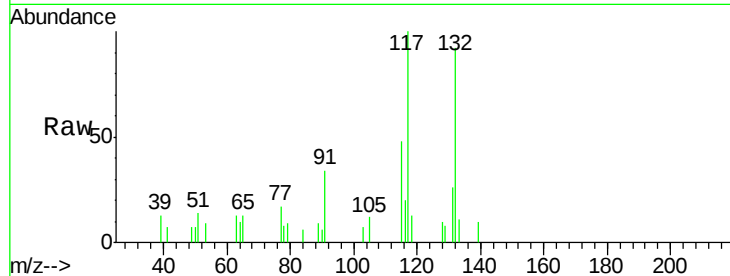




#18
Hexachloroethane
Concen: 2.90 ng
RT: 7.51 min Scan# 457
Delta R.T. 0.08 min
Lab File: BF085492.D
Acq: 17 Mar 2016 5:44

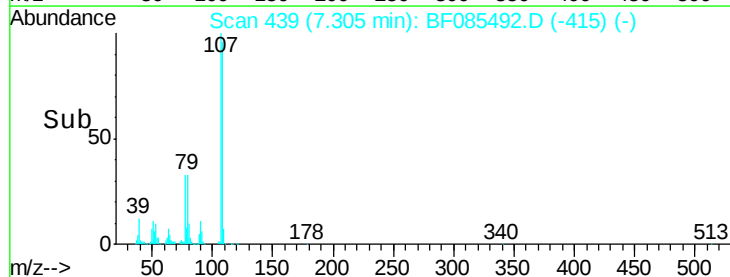
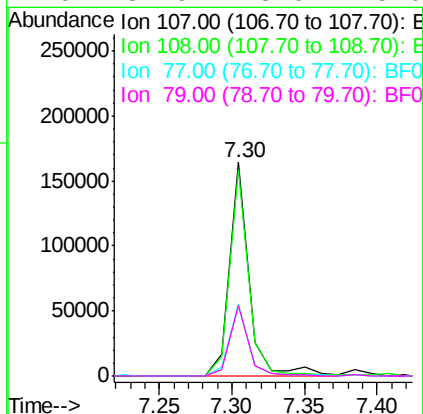
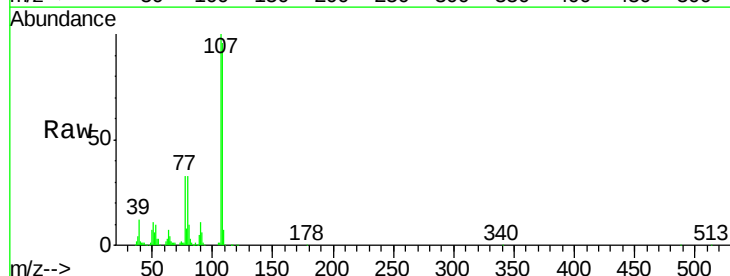
Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)

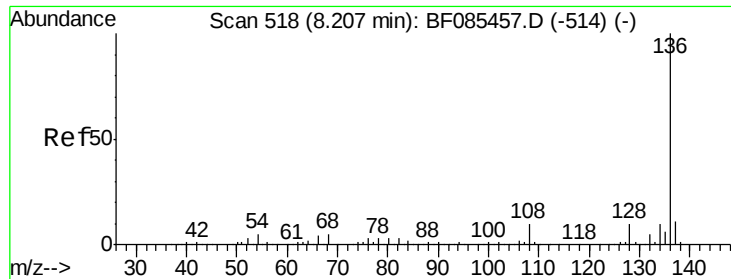
Tgt Ion:117 Resp: 9860
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.4#
201 0.0 72.0 108.0#



#20
3+4-Methylphenols
Concen: 20.51 ng
RT: 7.30 min Scan# 439
Delta R.T. -0.02 min
Lab File: BF085492.D
Acq: 17 Mar 2016 5:44

Tgt Ion:107 Resp: 153502
Ion Ratio Lower Upper
107 100
108 96.5 68.8 108.8
77 33.5 53.6 93.6#
79 32.9 8.0 48.0

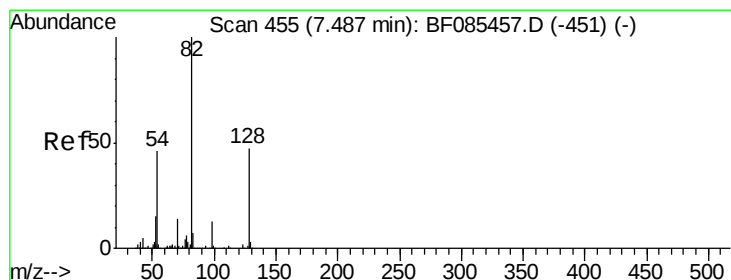
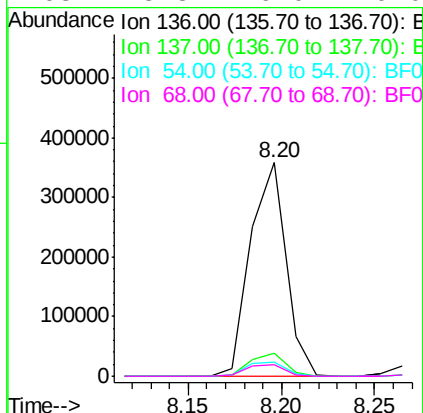
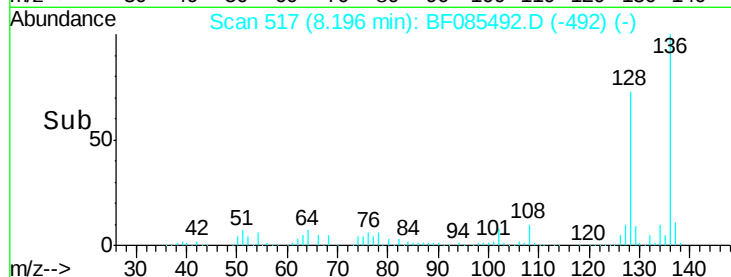
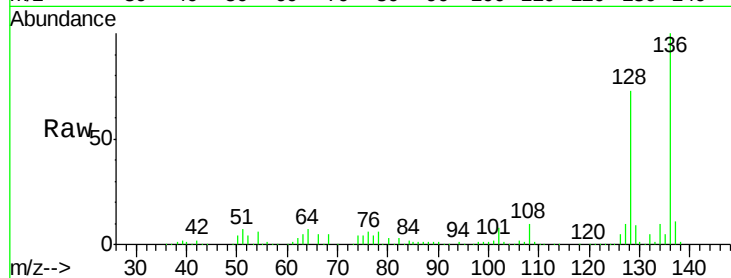




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF085492.D
Acq: 17 Mar 2016 5:44

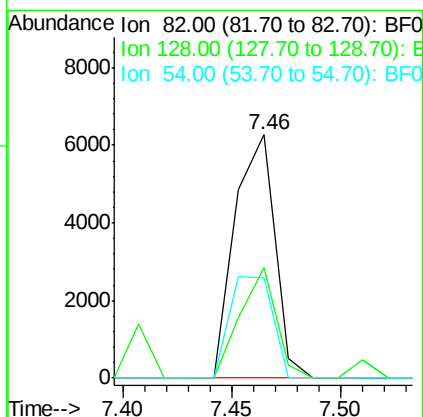
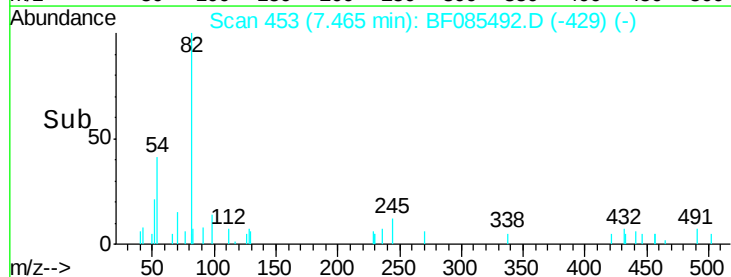
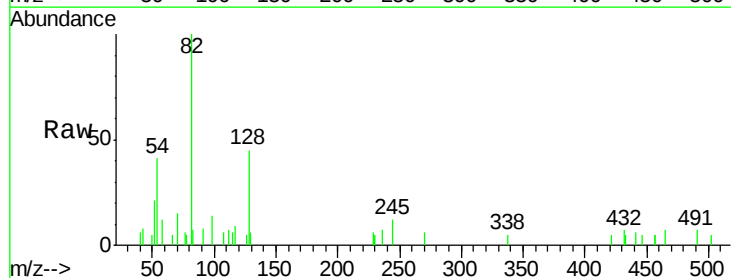
Instrument :
BNA_F
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AOU2-SB12(11-15)

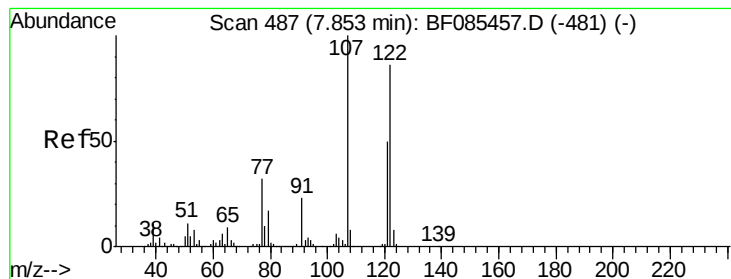
Tgt Ion:	136	Resp:	474123
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	6.4	7.4	11.2#
68	5.3	6.0	9.0#



#23
Nitrobenzene-d5
Concen: 0.99 ng
RT: 7.46 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF085492.D
Acq: 17 Mar 2016 5:44

Tgt Ion:	82	Resp:	7971
Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.5	51.7
54	41.0	39.3	58.9





#27

2,4-Dimethylphenol

Concen: 3.25 ng

RT: 7.84 min Scan# 486

Delta R.T. -0.01 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

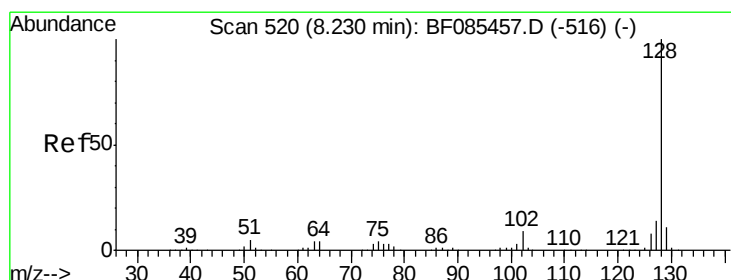
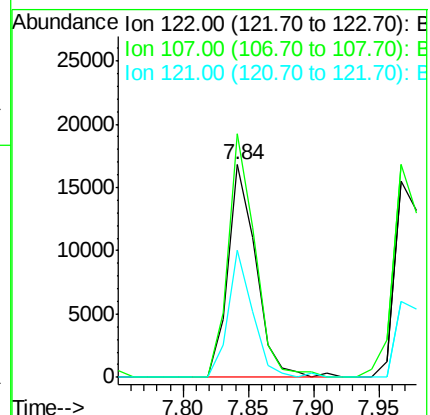
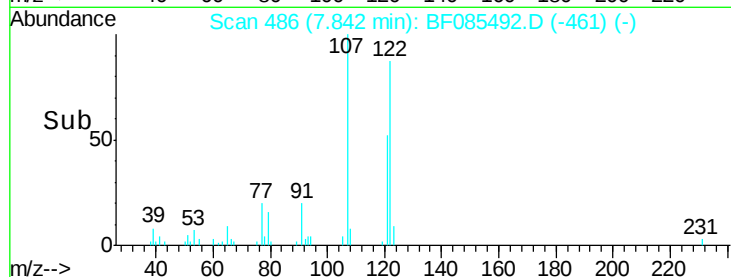
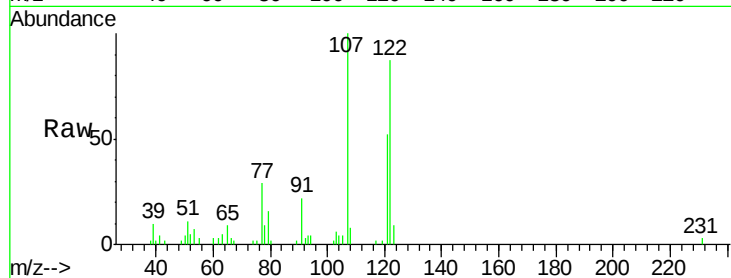
Tgt Ion:122 Resp: 25007

Ion Ratio Lower Upper

122 100

107 114.6 84.8 127.2

121 59.9 47.0 70.6



#31

Naphthalene

Concen: 224.87 ng

RT: 8.23 min Scan# 520

Delta R.T. -0.00 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

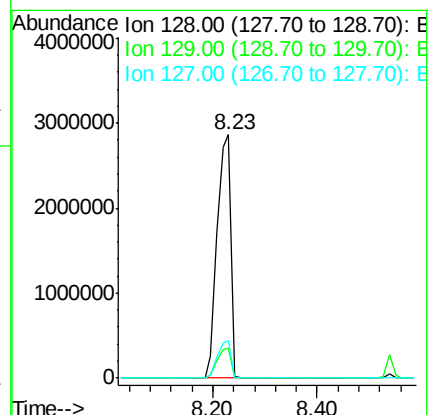
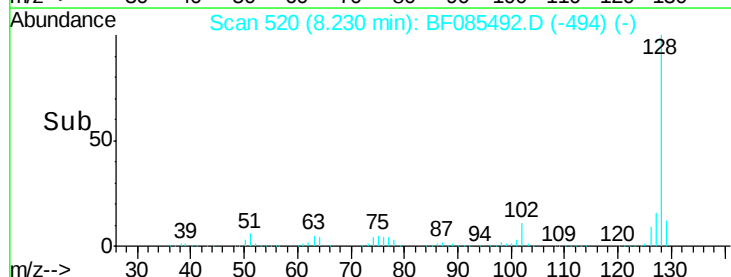
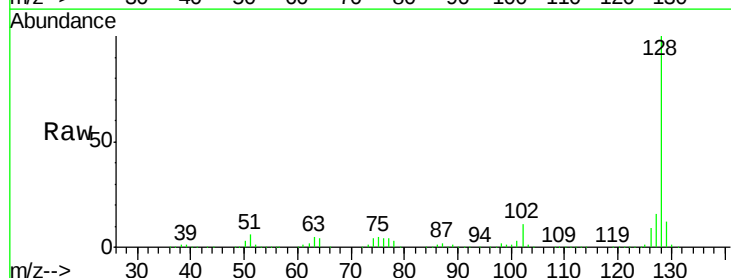
Tgt Ion:128 Resp: 5209599

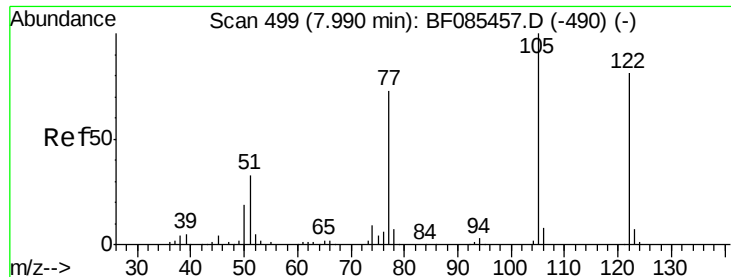
Ion Ratio Lower Upper

128 100

129 12.3 9.7 14.5

127 15.6 11.2 16.8





#32

Benzoic acid

Concen: 5.10 ng

RT: 7.97 min Scan# 497

Delta R.T. -0.02 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

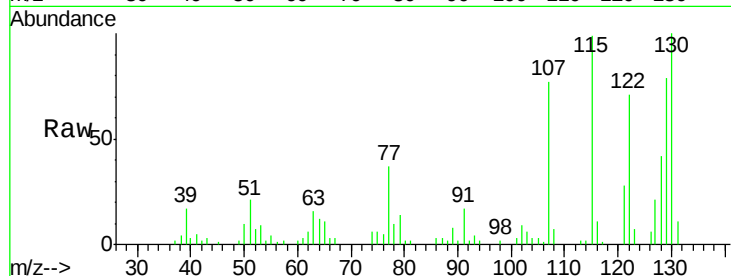
Tgt Ion:122 Resp: 22589

Ion Ratio Lower Upper

122 100

105 4.5 101.3 141.3#

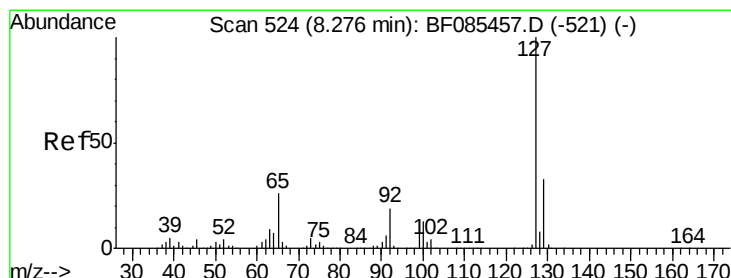
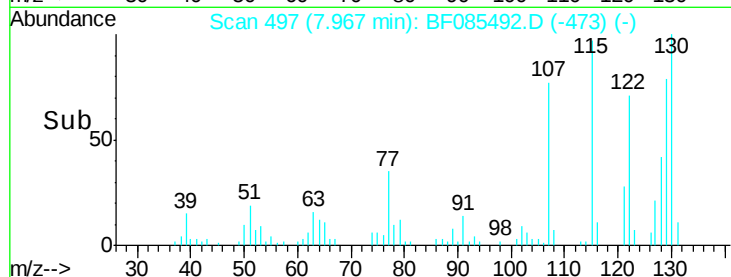
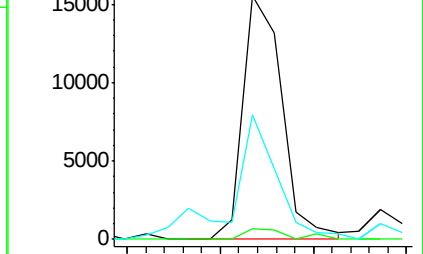
77 51.4 74.7 114.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 78.84 ng

RT: 8.23 min Scan# 520

Delta R.T. -0.05 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Tgt Ion:127 Resp: 785651

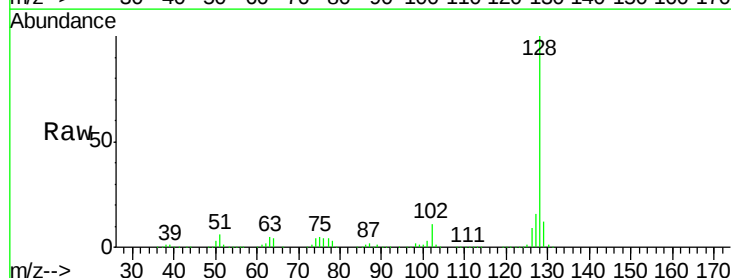
Ion Ratio Lower Upper

127 100

129 78.4 26.1 39.1#

65 0.0 27.0 40.6#

92 0.1 17.4 26.0#

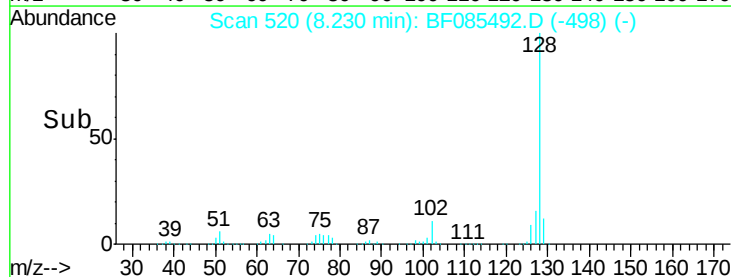
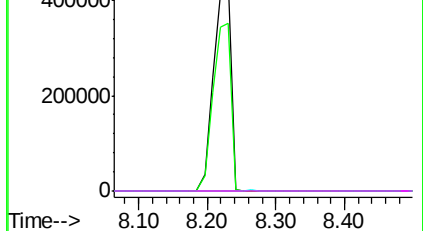


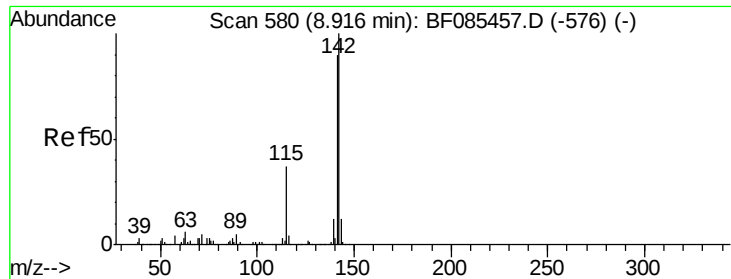
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

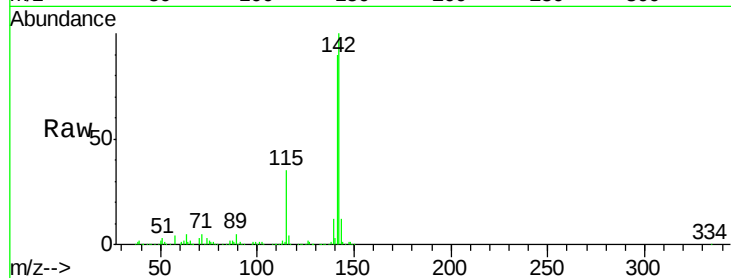




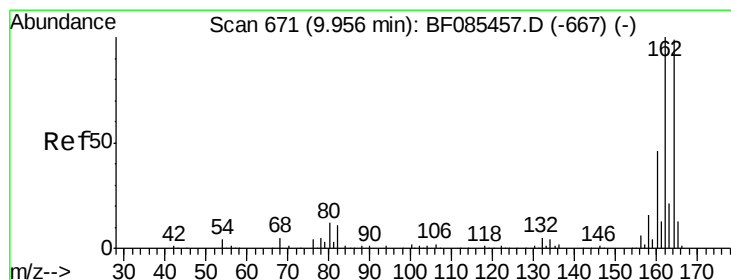
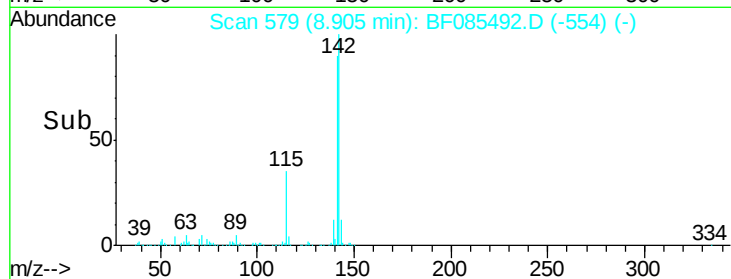
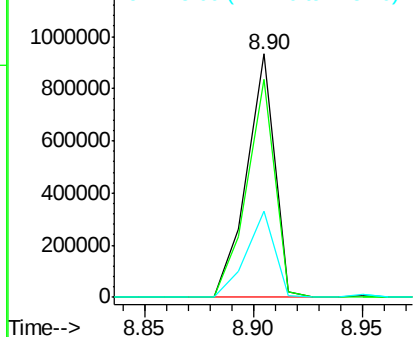
#37
 2-Methylnaphthalene
 Concen: 57.23 ng
 RT: 8.90 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: BF085492.D
 Acq: 17 Mar 2016 5:44

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB12(11-15)

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.7	107.5
115	35.3	26.2	39.4

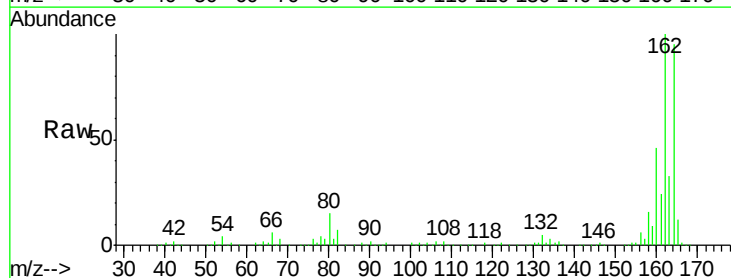


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

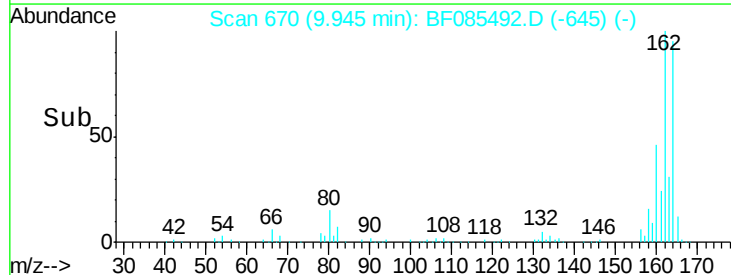
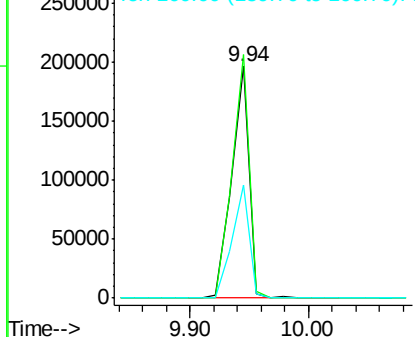


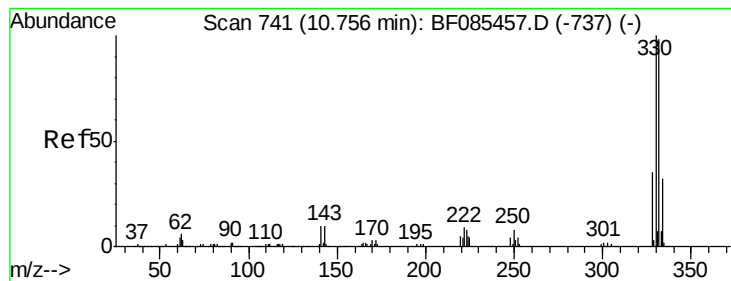
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF085492.D
 Acq: 17 Mar 2016 5:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.3	124.9
160	48.6	37.9	56.9



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

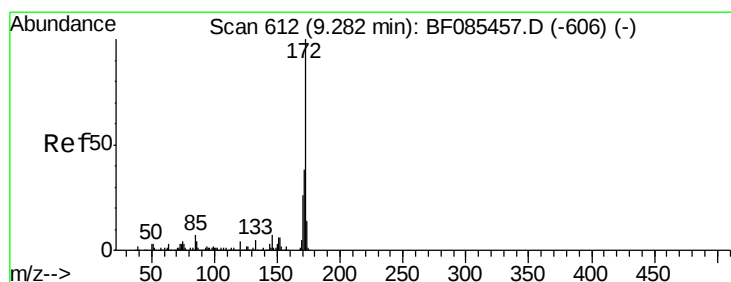
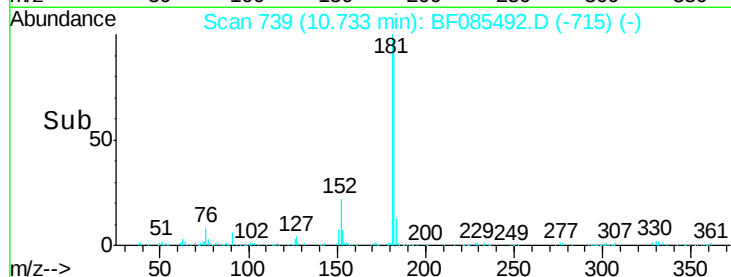
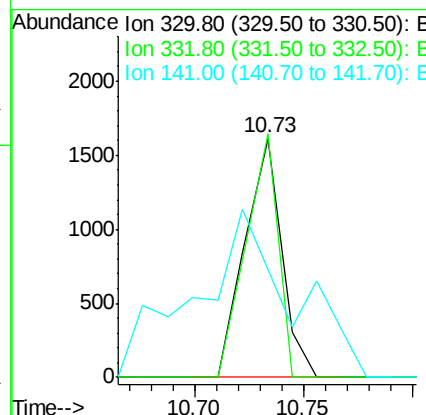
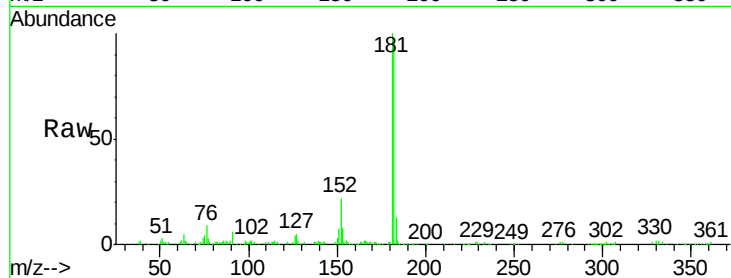




#41
 2,4,6-Tribromophenol
 Concen: 1.03 ng
 RT: 10.73 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF085492.D
 Acq: 17 Mar 2016 5:44

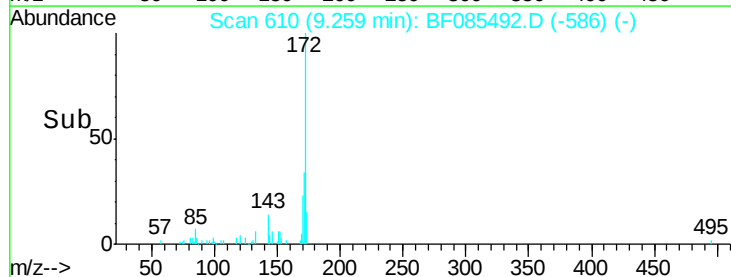
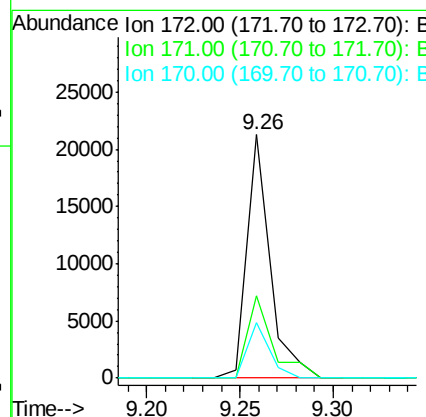
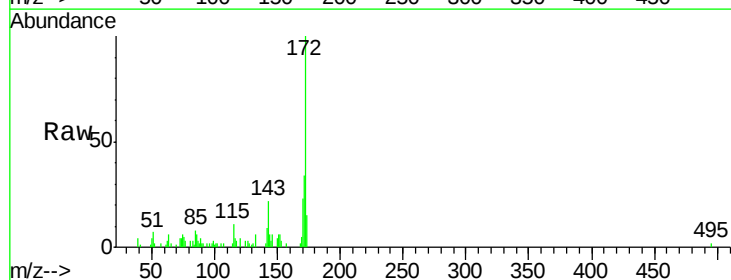
Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB12(11-15)

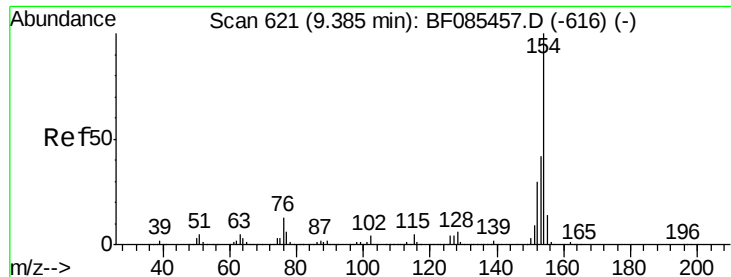
Tgt Ion: 330 Resp: 1893
 Ion Ratio Lower Upper
 330 100
 332 88.2 77.1 115.7
 141 185.5 35.0 52.6#



#44
 2-Fluorobiphenyl
 Concen: 1.60 ng
 RT: 9.26 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: BF085492.D
 Acq: 17 Mar 2016 5:44

Tgt Ion: 172 Resp: 18437
 Ion Ratio Lower Upper
 172 100
 171 33.8 29.3 43.9
 170 22.8 20.0 30.0

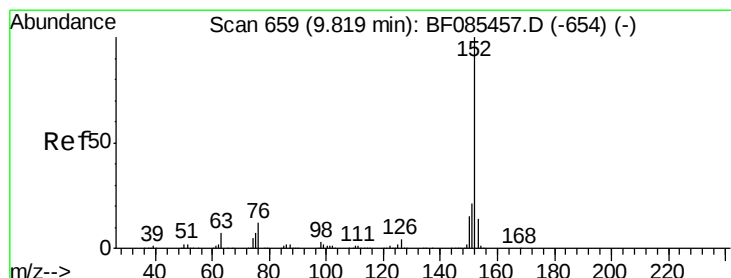
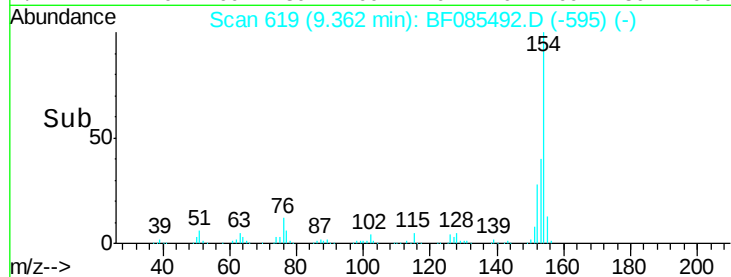
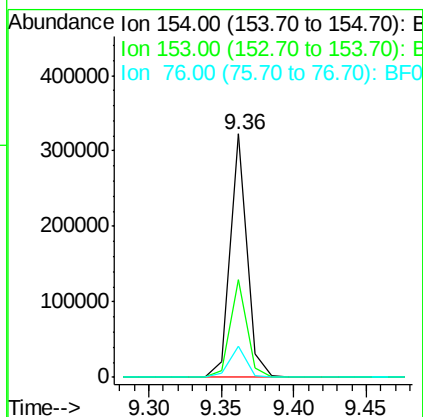
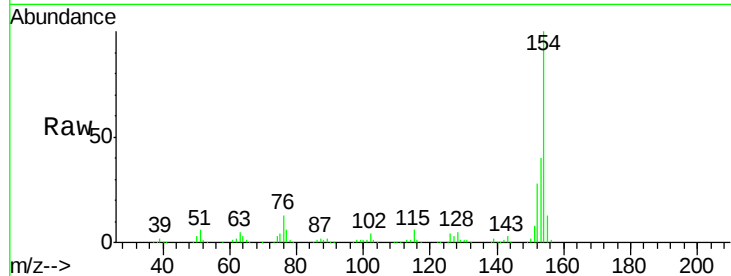




#45
 1,1'-Biphenyl
 Concen: 15.97 ng
 RT: 9.36 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: BF085492.D
 Acq: 17 Mar 2016 5:44

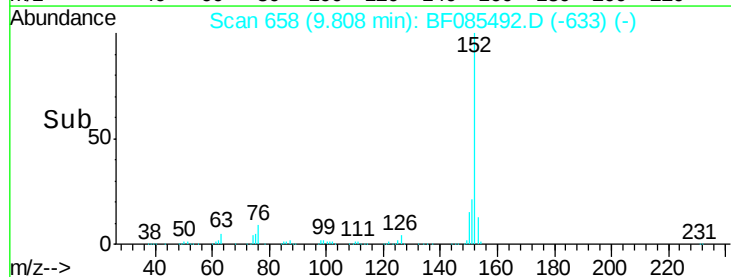
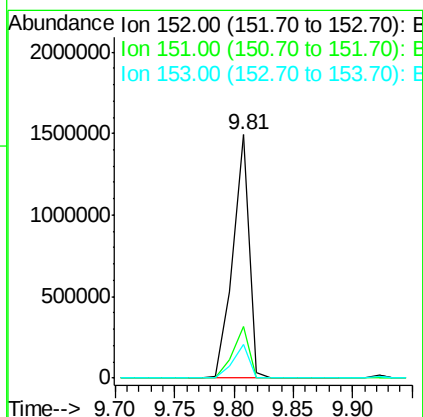
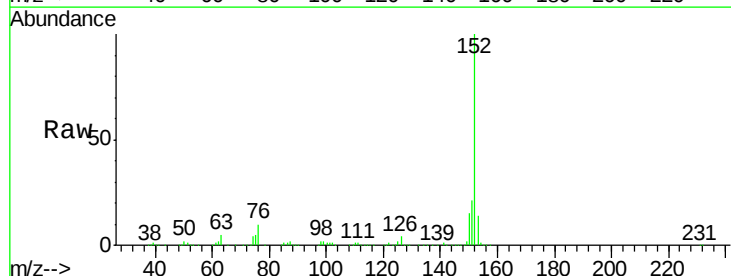
Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB12(11-15)

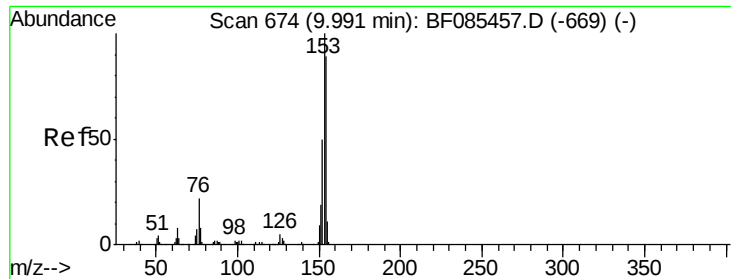
Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.9	21.4	61.4
76	12.6	0.0	37.5



#48
 Acenaphthylene
 Concen: 72.15 ng
 RT: 9.81 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF085492.D
 Acq: 17 Mar 2016 5:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.5	26.3
153	13.8	11.3	16.9





#51

Acenaphthene

Concen: 9.03 ng

RT: 9.97 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

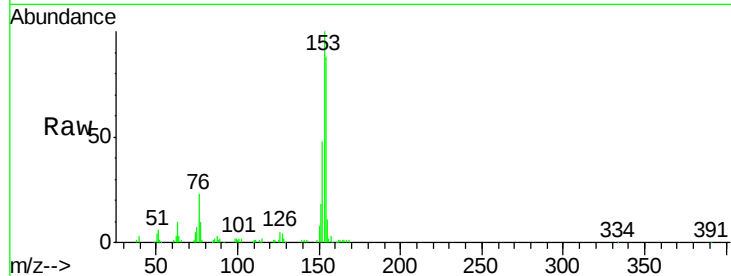
Tgt Ion:154 Resp: 112174

Ion Ratio Lower Upper

154 100

153 113.0 89.8 134.8

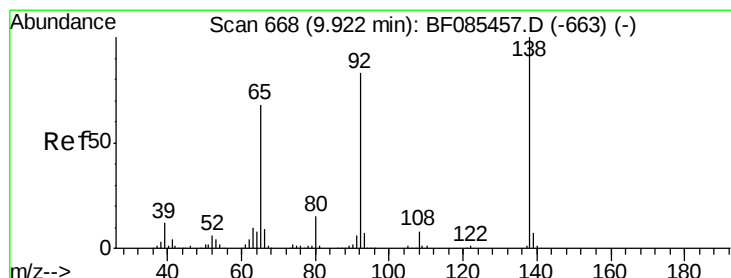
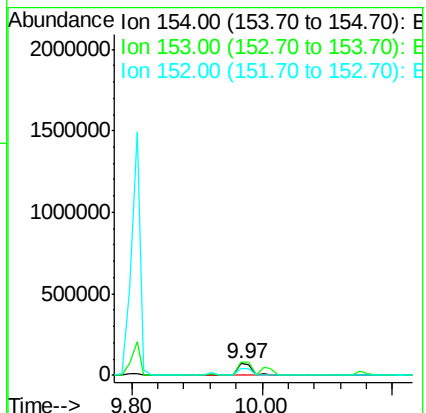
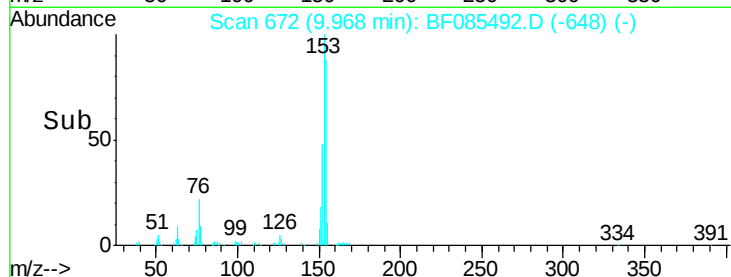
152 54.6 44.6 66.8



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: 3.98 ng

RT: 10.15 min Scan# 688

Delta R.T. 0.23 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

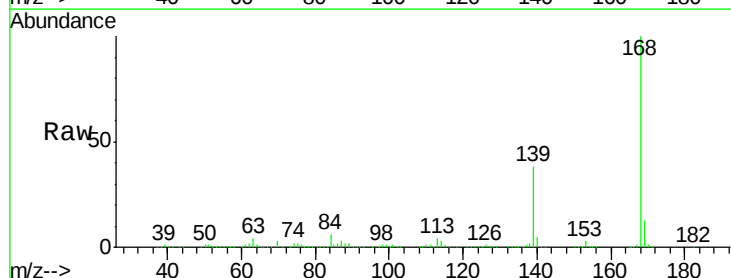
Tgt Ion:138 Resp: 15327

Ion Ratio Lower Upper

138 100

108 2.7 7.8 11.6#

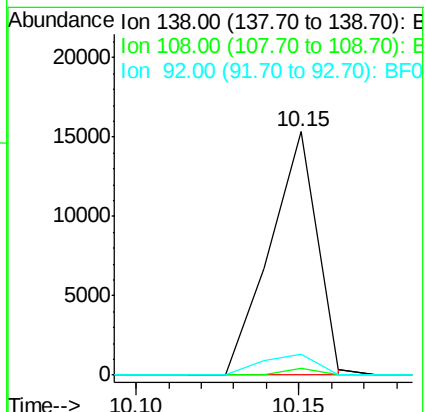
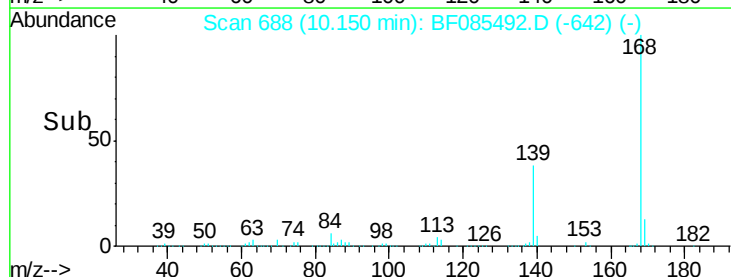
92 8.4 81.3 121.9#

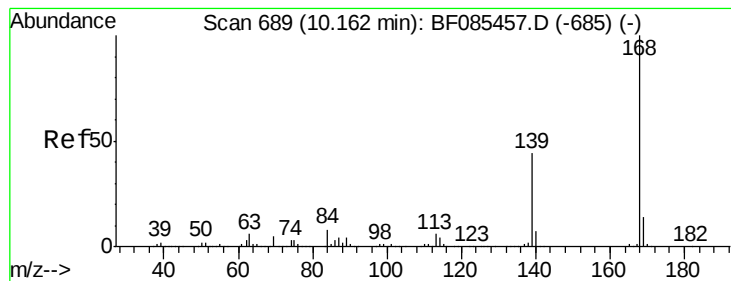


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#54

Dibenzofuran

Concen: 59.58 ng

RT: 10.15 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

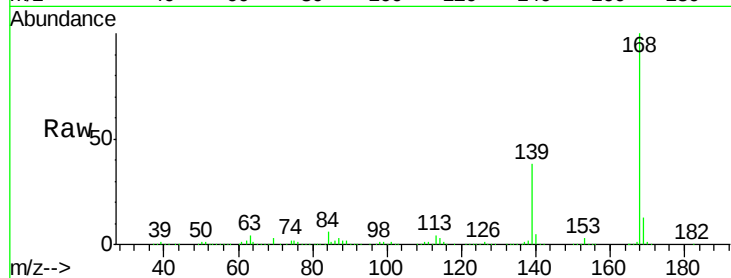
Tgt Ion:168 Resp: 908807

Ion Ratio Lower Upper

168 100

139 38.5 33.6 50.4

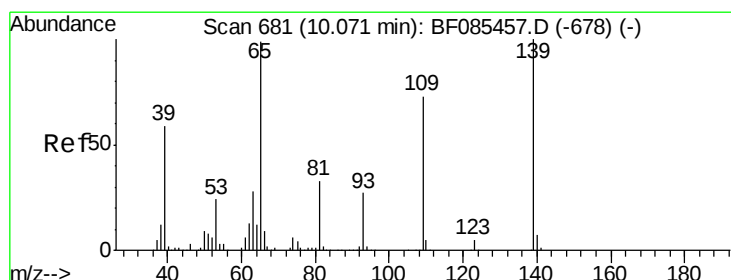
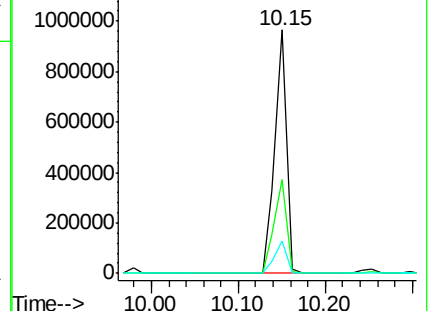
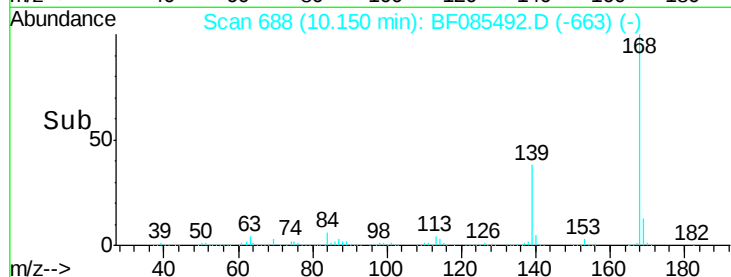
169 13.3 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 139.32 ng

RT: 10.15 min Scan# 688

Delta R.T. 0.08 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

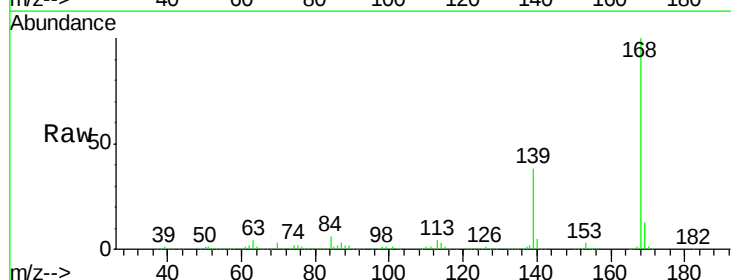
Tgt Ion:139 Resp: 368949

Ion Ratio Lower Upper

139 100

109 0.7 41.9 81.9#

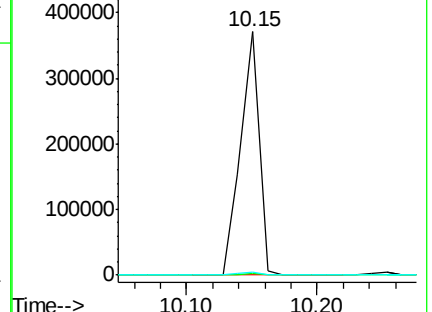
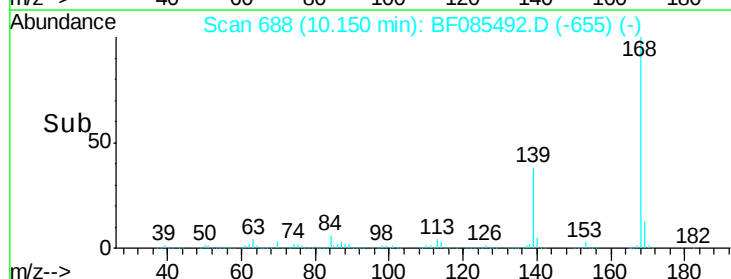
65 1.0 48.3 88.3#

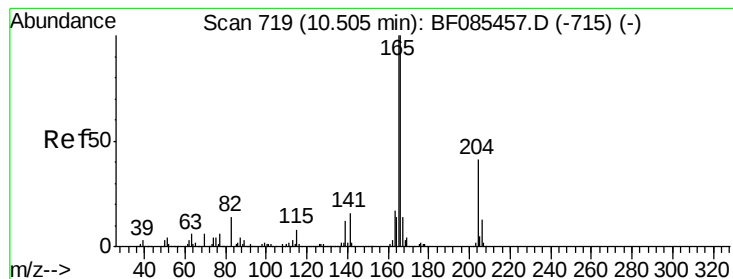


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 74.01 ng

RT: 10.49 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

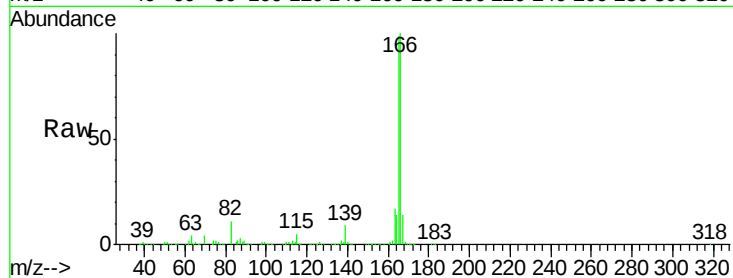
Tgt Ion:166 Resp: 900271

Ion Ratio Lower Upper

166 100

165 99.1 79.4 119.0

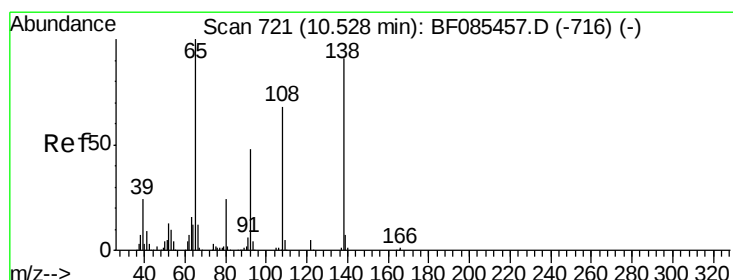
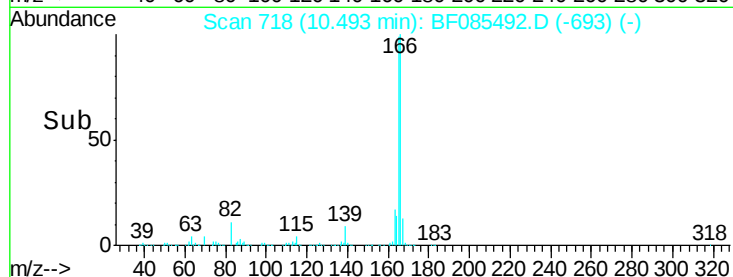
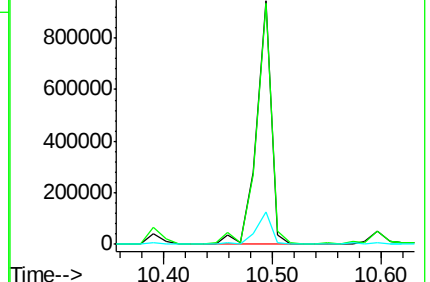
167 13.5 11.0 16.6



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



#61

4-Nitroaniline

Concen: 3.13 ng

RT: 10.49 min Scan# 718

Delta R.T. -0.03 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

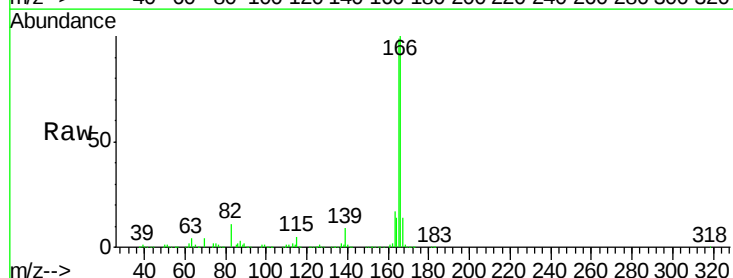
Tgt Ion:138 Resp: 11321

Ion Ratio Lower Upper

138 100

92 3.0 34.2 74.2#

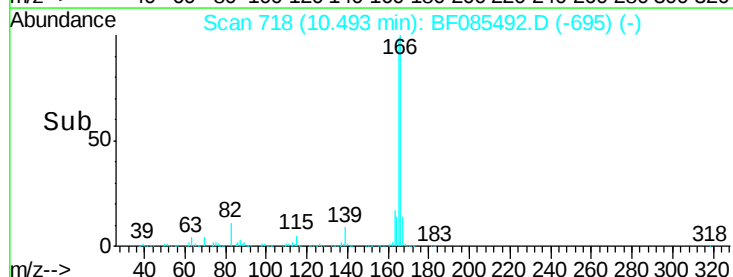
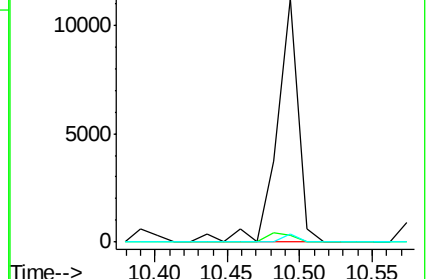
108 3.3 53.9 93.9#

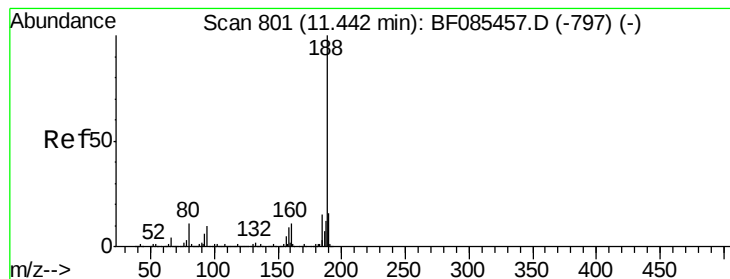


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

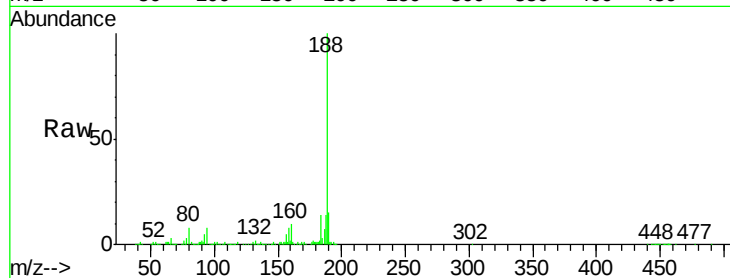
Tgt Ion:188 Resp: 293732

Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.6

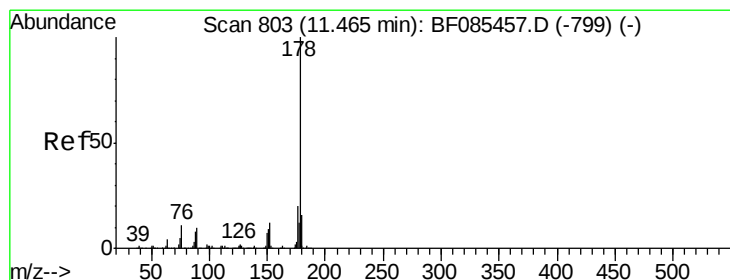
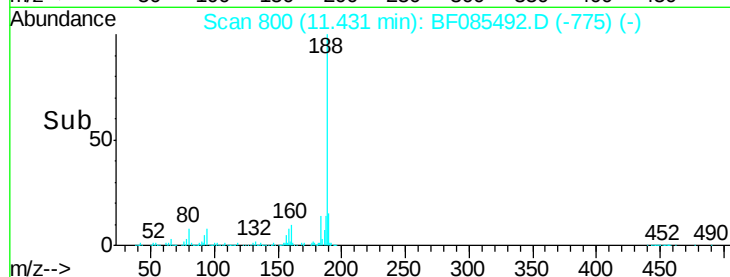
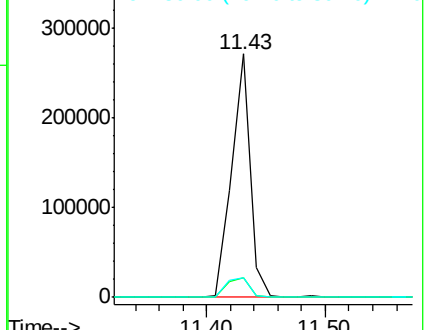
80 8.2 7.4 11.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 165.62 ng

RT: 11.46 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

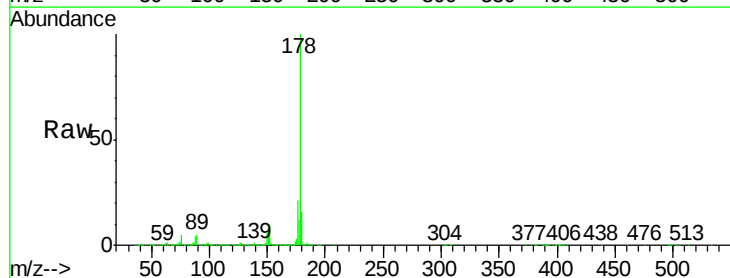
Tgt Ion:178 Resp: 2533810

Ion Ratio Lower Upper

178 100

176 20.7 16.8 25.2

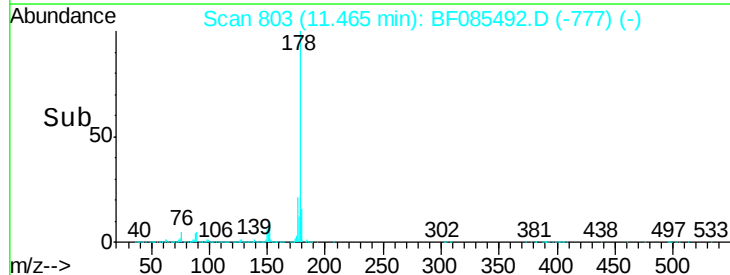
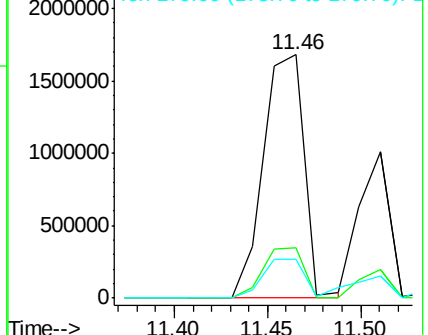
179 15.8 13.1 19.7

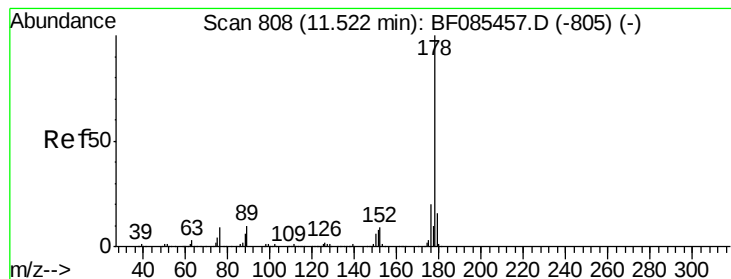


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 74.29 ng

RT: 11.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

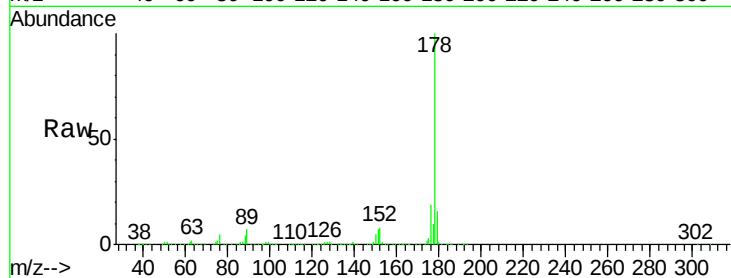
Tgt Ion:178 Resp: 1157703

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

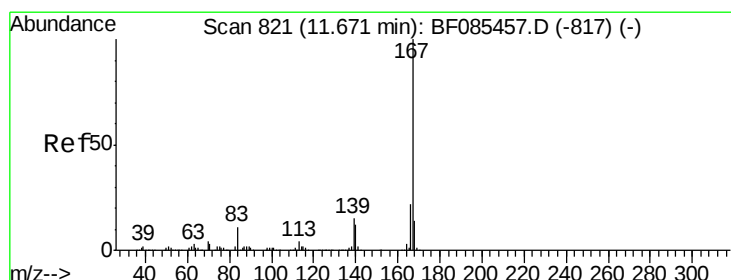
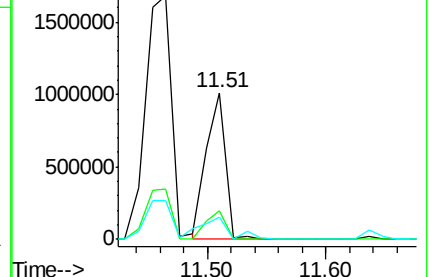
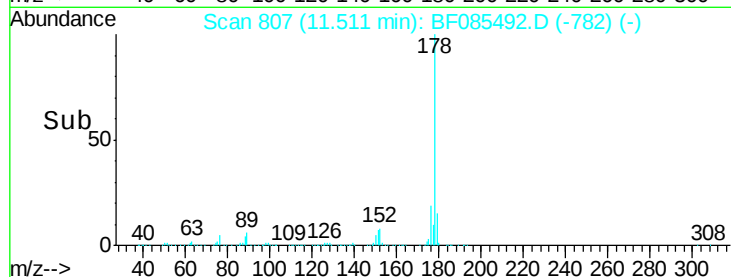
179 15.6 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 30.65 ng

RT: 11.66 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

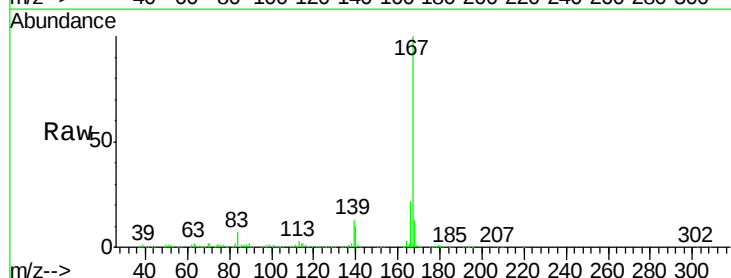
Tgt Ion:167 Resp: 404148

Ion Ratio Lower Upper

167 100

166 21.7 18.2 27.2

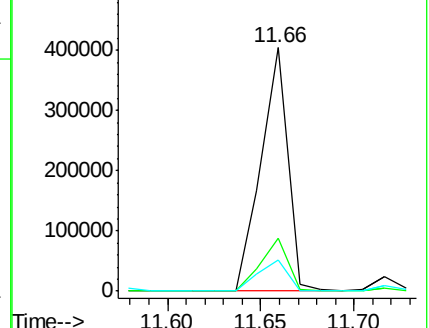
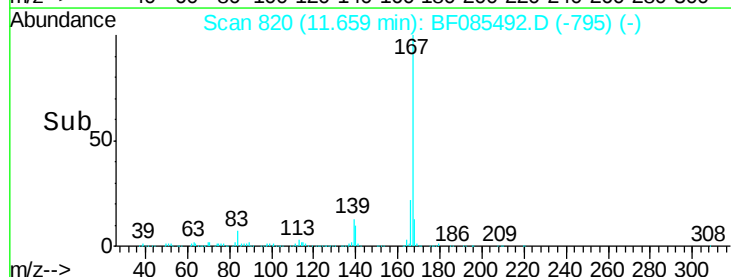
139 13.0 11.4 17.0

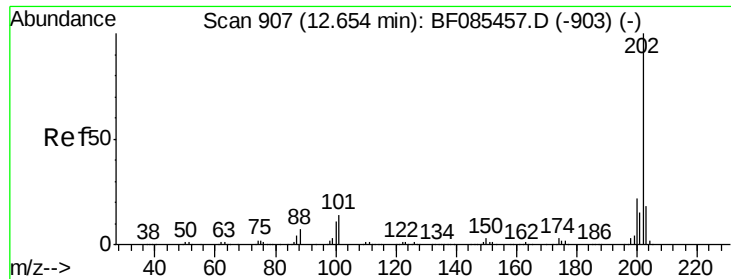


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 98.28 ng

RT: 12.64 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

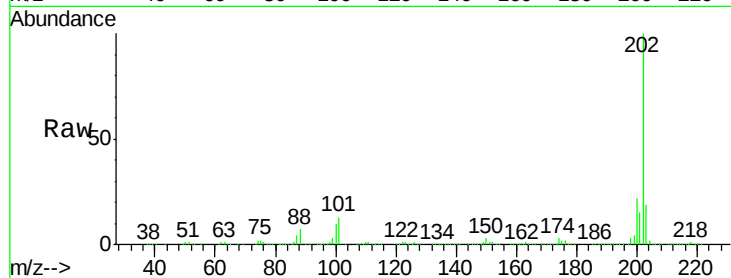
Tgt Ion:202 Resp: 1413380

Ion Ratio Lower Upper

202 100

101 13.4 0.0 31.8

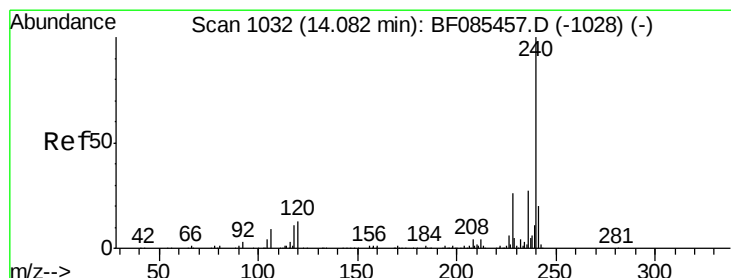
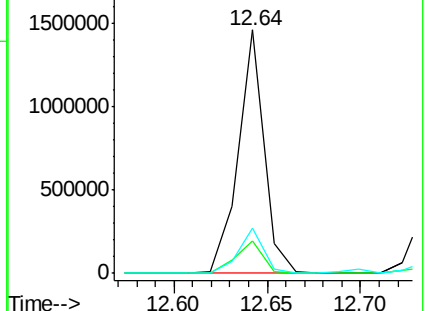
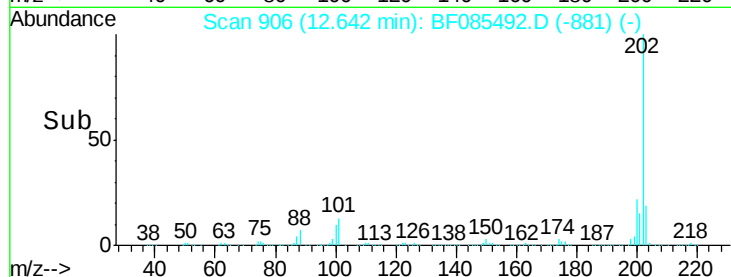
203 18.5 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1030

Delta R.T. -0.02 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

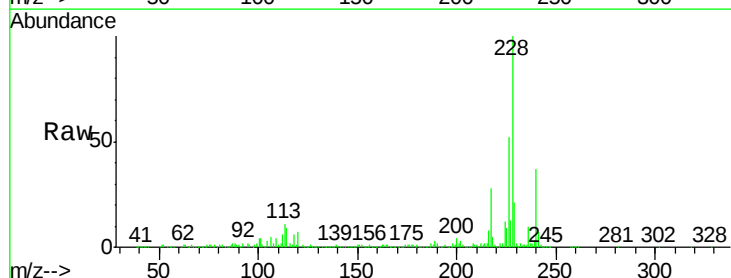
Tgt Ion:240 Resp: 216743

Ion Ratio Lower Upper

240 100

120 18.8 5.3 7.9#

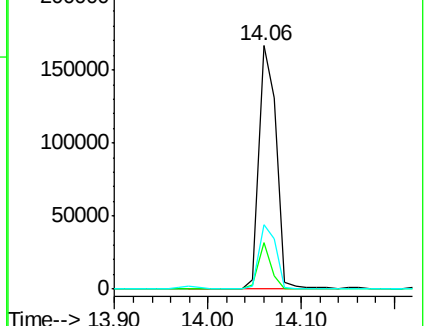
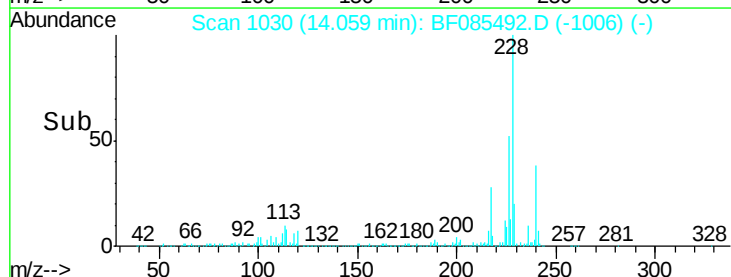
236 26.4 20.7 31.1

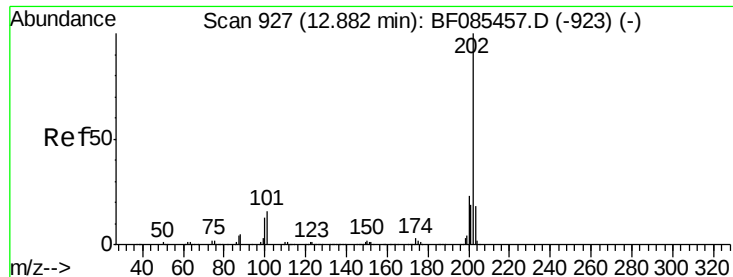


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

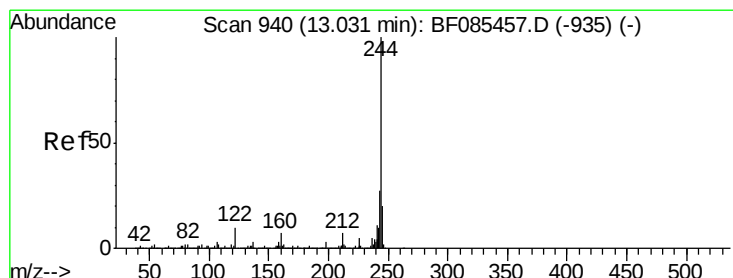
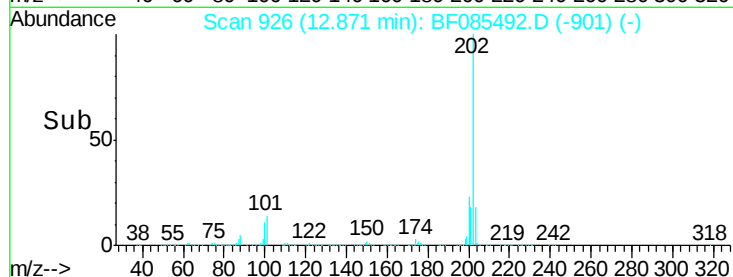
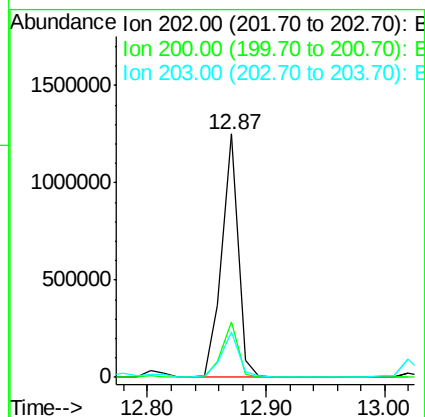
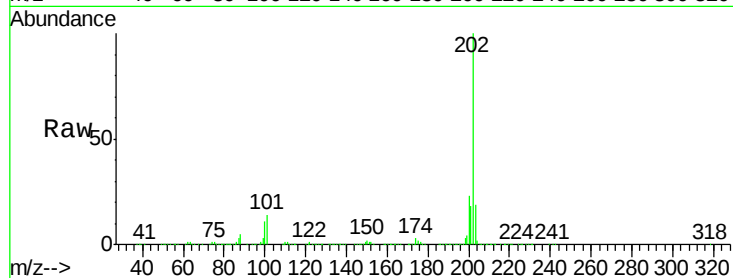




#77
 Pyrene
 Concen: 72.77 ng
 RT: 12.87 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF085492.D
 Acq: 17 Mar 2016 5:44

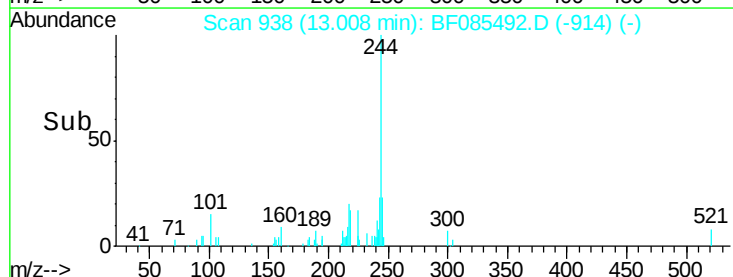
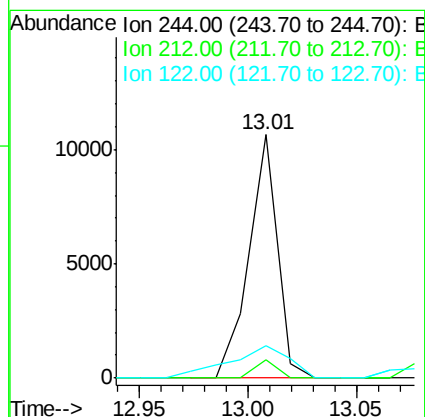
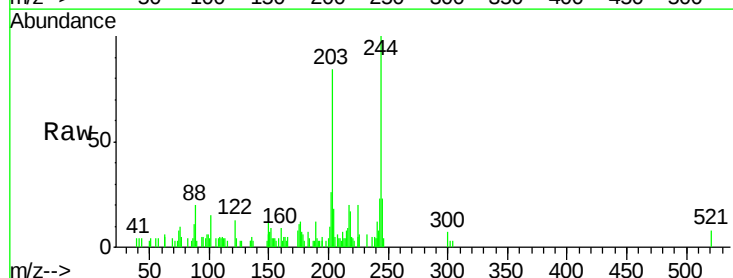
Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB12(11-15)

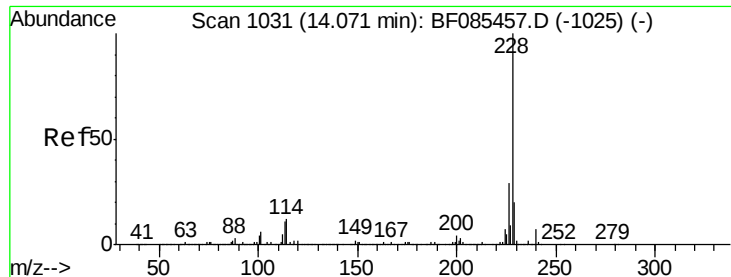
Tgt Ion:202 Resp: 1182999
 Ion Ratio Lower Upper
 202 100
 200 22.7 18.2 27.4
 203 18.5 14.7 22.1



#78
 Terphenyl-d14
 Concen: 1.01 ng
 RT: 13.01 min Scan# 938
 Delta R.T. -0.02 min
 Lab File: BF085492.D
 Acq: 17 Mar 2016 5:44

Tgt Ion:244 Resp: 9670
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.4 9.6
 122 13.1 11.4 17.2

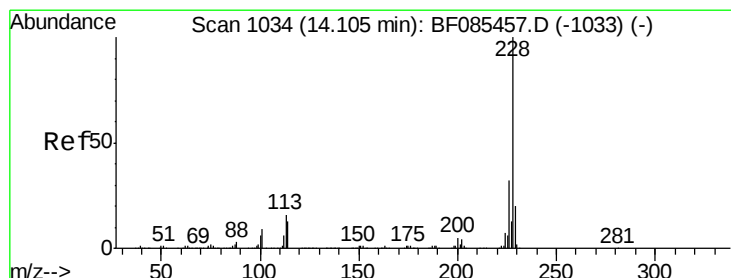
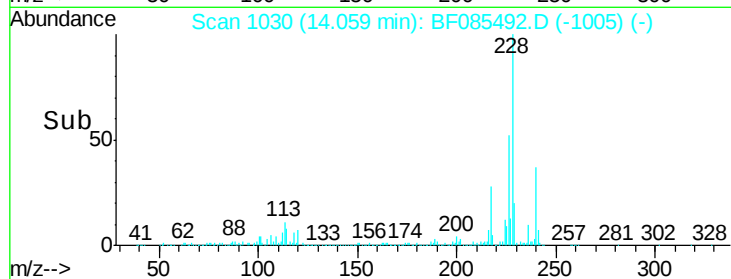
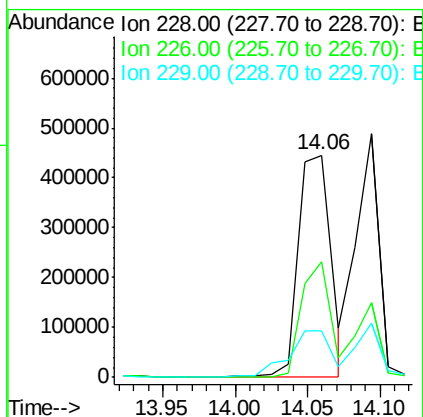
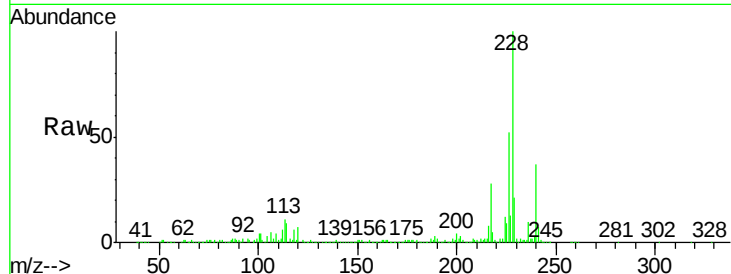




#80
Benzo(a)anthracene
Concen: 55.69 ng
RT: 14.06 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF085492.D
Acq: 17 Mar 2016 5:44

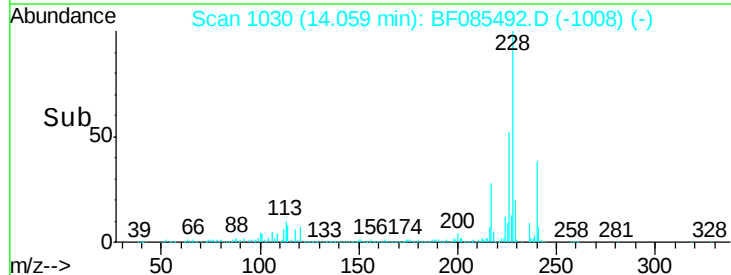
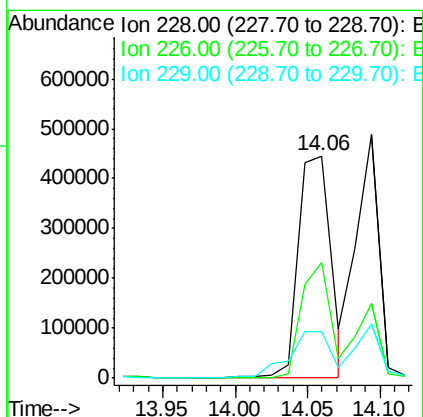
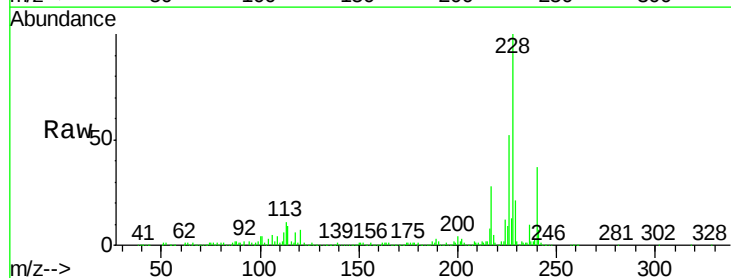
Instrument :
BNA_F
ClientSampleId :
AOU2-SB12(11-15)

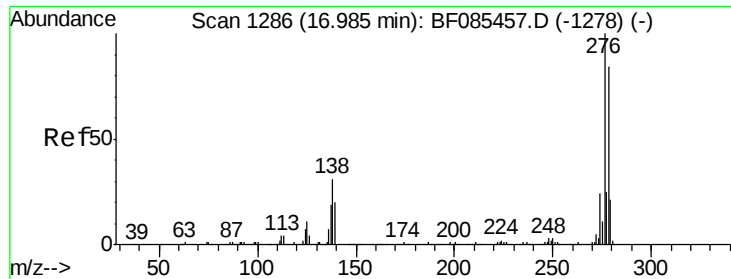
Tgt Ion:228 Resp: 691981
Ion Ratio Lower Upper
228 100
226 52.0 22.8 34.2#
229 20.7 16.6 24.8



#82
Chrysene
Concen: 61.91 ng
RT: 14.06 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BF085492.D
Acq: 17 Mar 2016 5:44

Tgt Ion:228 Resp: 691981
Ion Ratio Lower Upper
228 100
226 52.0 25.2 37.8#
229 20.7 16.0 24.0

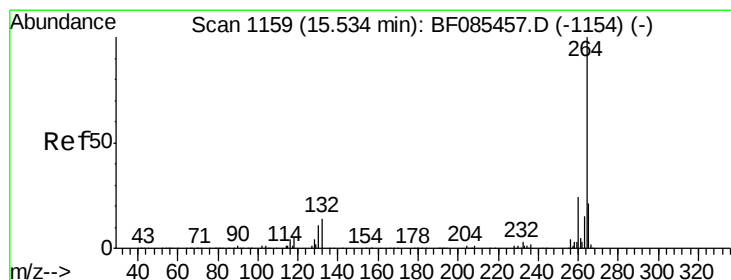
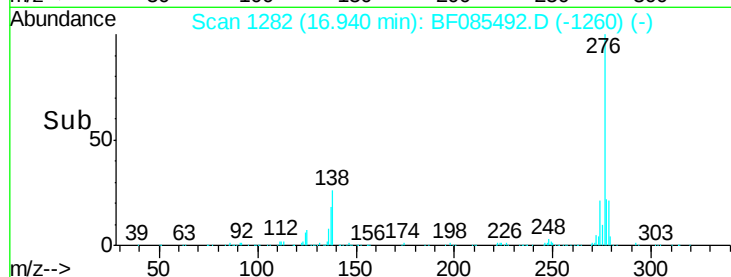
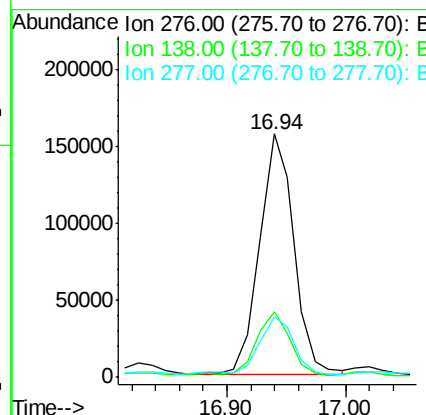
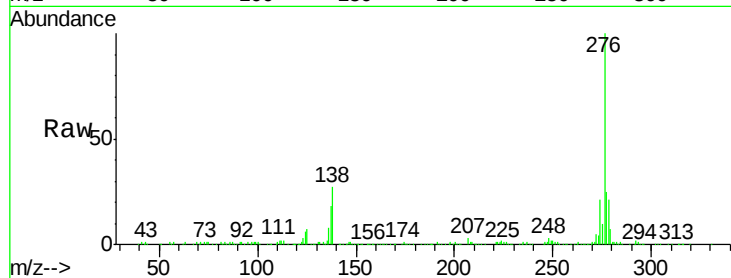




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 29.42 ng
 RT: 16.94 min Scan# 1282
 Delta R.T. -0.05 min
 Lab File: BF085492.D
 Acq: 17 Mar 2016 5:44

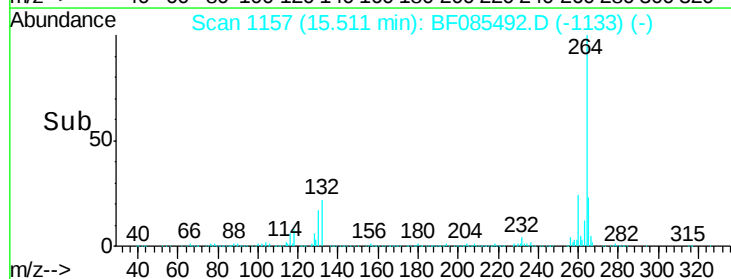
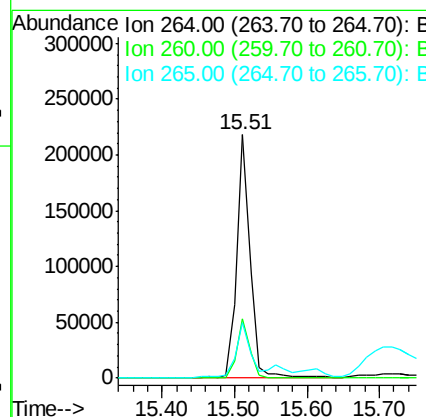
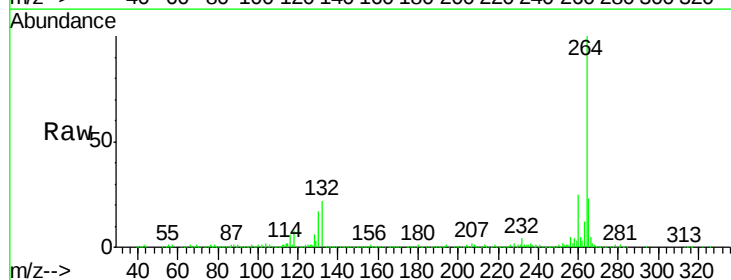
Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB12(11-15)

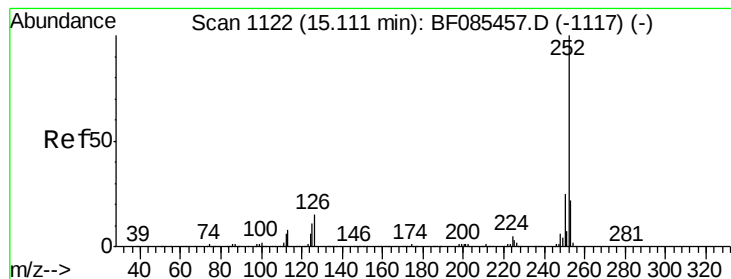
Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.4	26.4	39.6
277	25.0	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1157
 Delta R.T. -0.02 min
 Lab File: BF085492.D
 Acq: 17 Mar 2016 5:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.8	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 51.99 ng

RT: 15.10 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

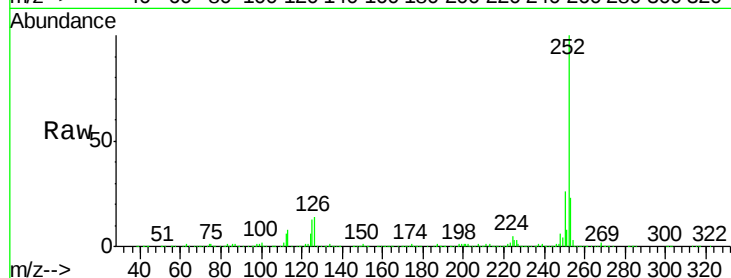
Tgt Ion:252 Resp: 959666

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

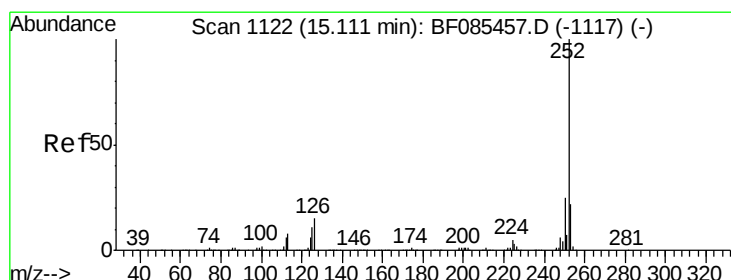
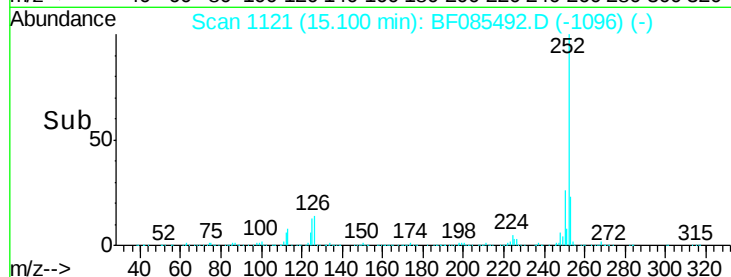
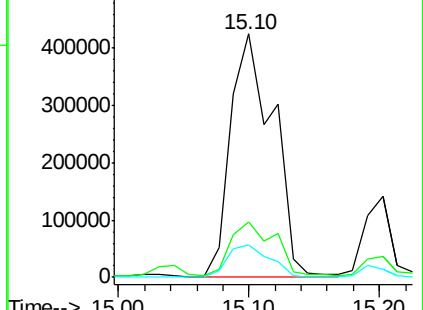
125 13.4 11.3 16.9



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: 66.38 ng

RT: 15.10 min Scan# 1121

Delta R.T. -0.05 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

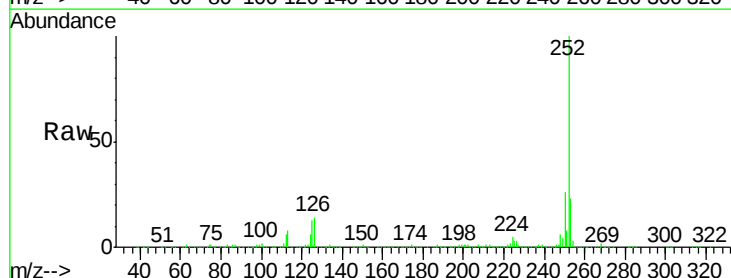
Tgt Ion:252 Resp: 959666

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

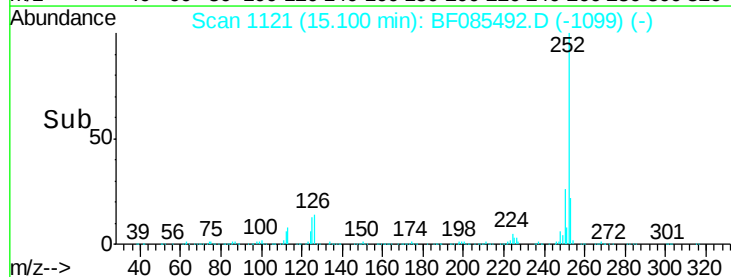
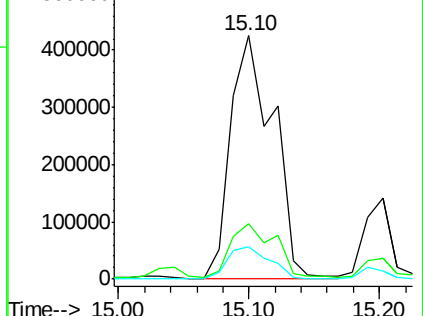
125 13.4 10.4 15.6

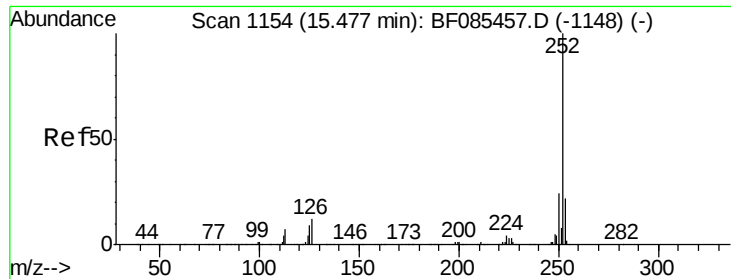


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 37.13 ng

RT: 15.45 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

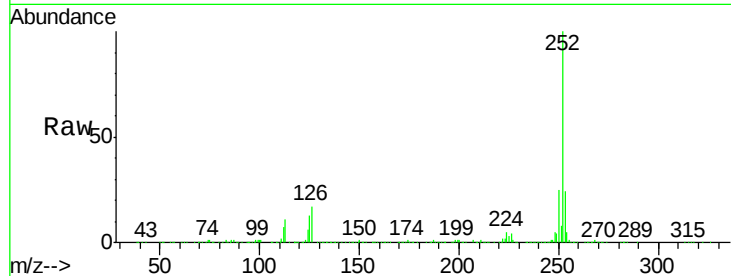
Tgt Ion: 252 Resp: 592064

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

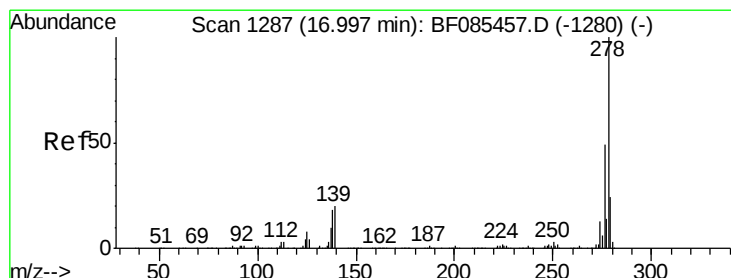
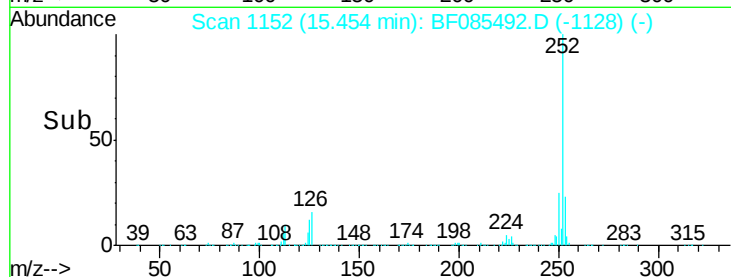
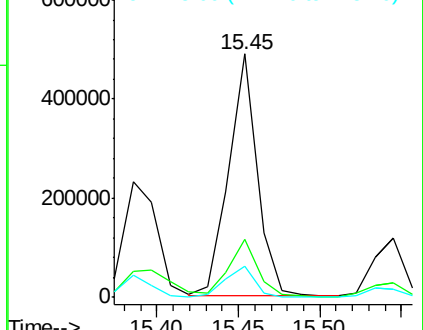
125 12.8 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 5.11 ng

RT: 17.11 min Scan# 1297

Delta R.T. 0.11 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

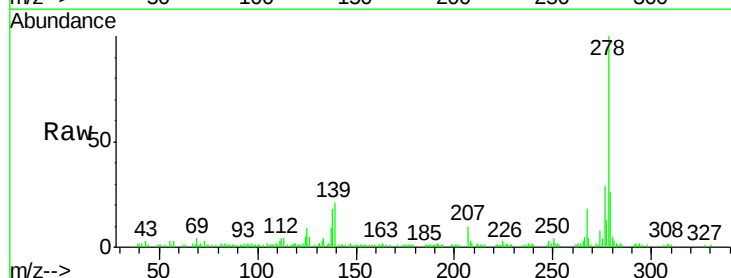
Tgt Ion: 278 Resp: 79624

Ion Ratio Lower Upper

278 100

139 21.0 17.3 25.9

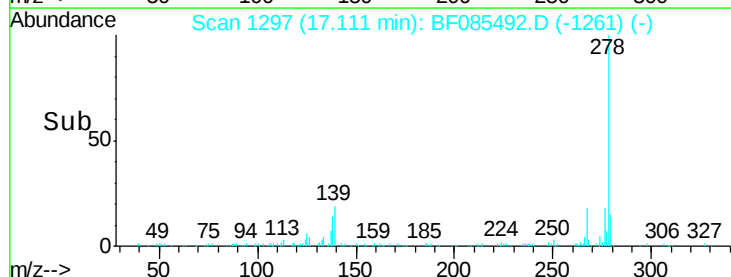
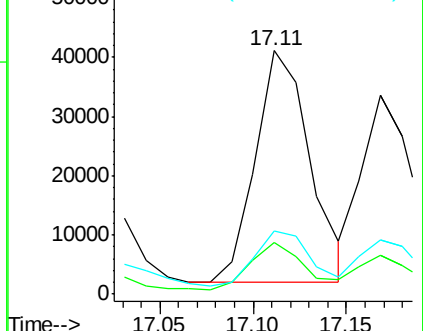
279 26.0 19.2 28.8

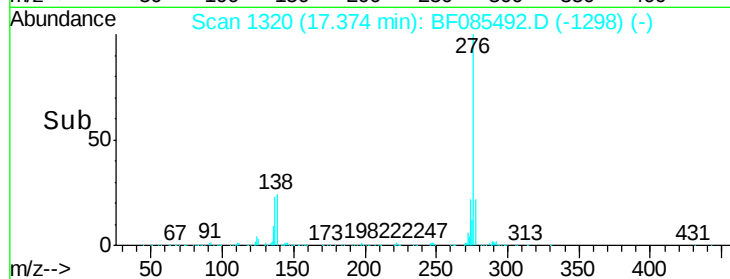
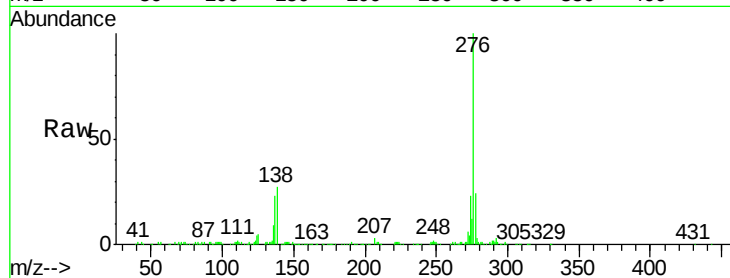
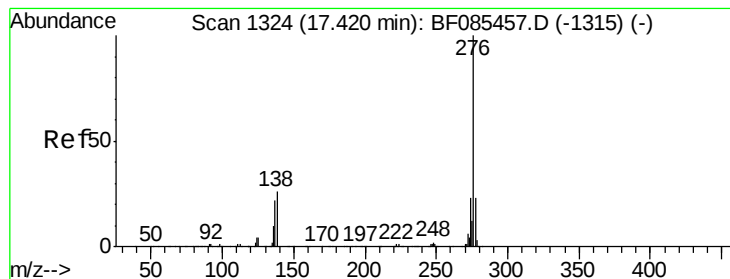


Abundance Ion 278.00 (277.70 to 278.70): E

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: 16.86 ng

RT: 17.37 min Scan# 1320

Delta R.T. -0.05 min

Lab File: BF085492.D

Acq: 17 Mar 2016 5:44

Instrument :

BNA_F

ClientSampleId :

AOU2-SB12(11-15)

Tgt Ion: 276 Resp: 268167

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 26.7 22.5 33.7

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

