

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083451.D
 Acq On : 3 Dec 2015 8:56
 Operator : UM/IZ
 Sample : G4582-13 20X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)

Quant Time: Dec 03 09:55:18 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.53	152	131397	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	492782	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	231148	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	390115	20.00	ng	-0.01
75) Chrysene-d12	14.74	240	325980	20.00	ng	-0.02
86) Perylene-d12	16.80	264	286839	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	53818	6.15	ng	0.00
7) Phenol-d6	6.21	99	82308	6.87	ng	-0.01
23) Nitrobenzene-d5	7.12	82	51162	4.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	13311	5.74	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	82466	5.08	ng	-0.01
78) Terphenyl-d14	13.20	244	61486	4.50	ng	-0.02

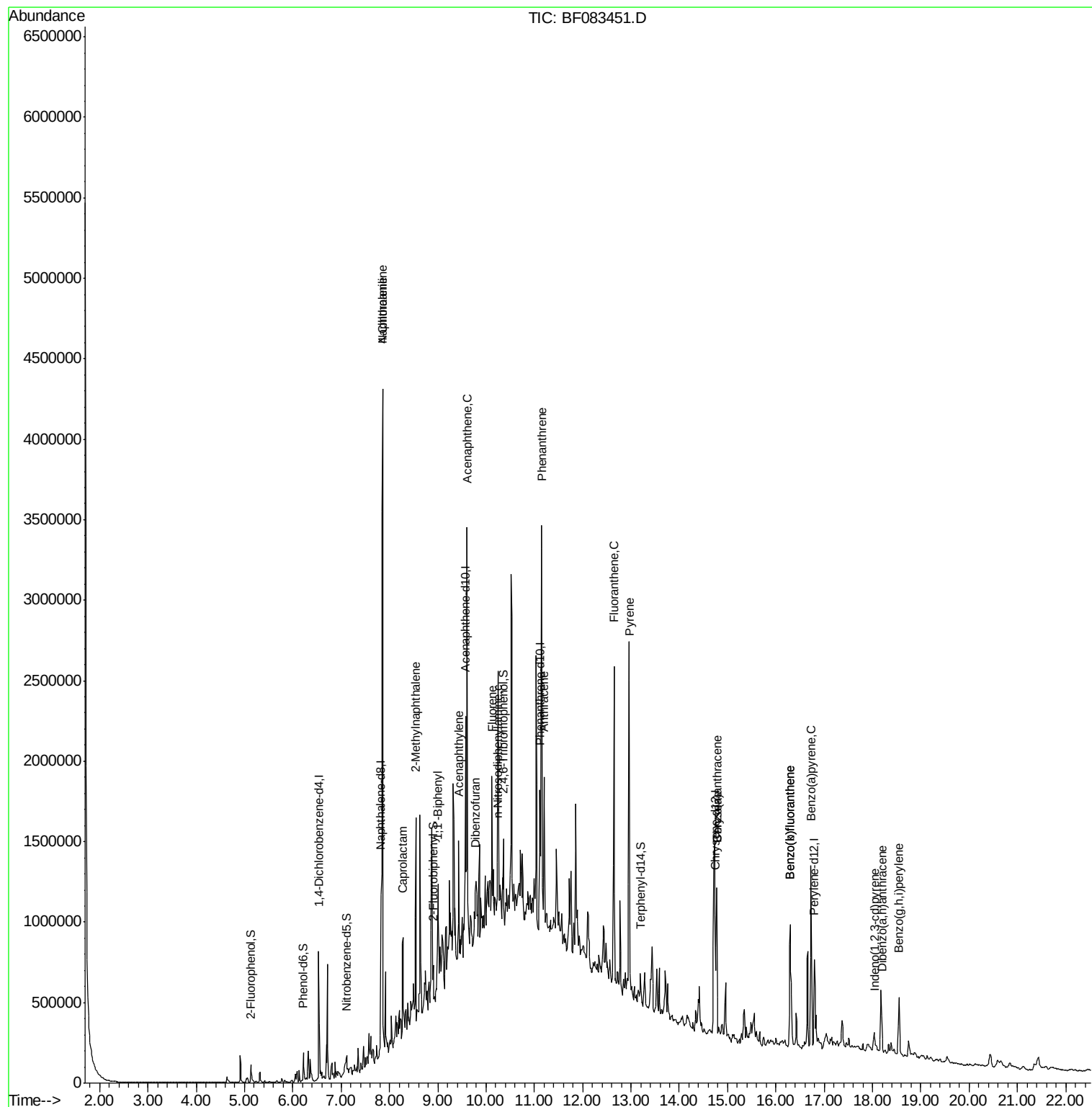
Target Compounds				Qvalue		
9) Benzaldehyde	6.09	77	5350	Below Cal	#	1
31) Naphthalene	7.86	128	2555943	95.59	ng	99
33) 4-Chloroaniline	7.86	127	362244	31.43	ng	# 36
35) Caprolactam	8.28	113	16145	6.49	ng	# 1
37) 2-Methylnaphthalene	8.54	142	326591	18.28	ng	99
45) 1,1'-Biphenyl	9.00	154	144405	7.12	ng	96
48) Acenaphthylene	9.44	152	215134	8.73	ng	99
51) Acenaphthene	9.61	154	539222	37.21	ng	100
54) Dibenzofuran	9.78	168	44042	2.07	ng	# 88
57) Fluorene	10.12	166	303307	18.09	ng	98
65) n-Nitrosodiphenylamine	10.24	169	56616	4.13	ng	# 90
70) Phenanthrene	11.15	178	1550159	67.14	ng	99
71) Anthracene	11.20	178	520329	22.39	ng	97
74) Fluoranthene	12.65	202	1016101	42.46	ng	97
77) Pyrene	12.97	202	1480602	65.04	ng	99
80) Benzo(a)anthracene	14.77	228	545165	27.30	ng	97
82) Chrysene	14.77	228	546975	28.35	ng	99
85) Indeno(1,2,3-cd)pyrene	18.04	276	65040	4.63	ng	93
87) Benzo(b)fluoranthene	16.29	252	763259	41.47	ng	98
88) Benzo(k)fluoranthene	16.29	252	763259	43.92	ng	# 97
89) Benzo(a)pyrene	16.73	252	550475	34.82	ng	# 97
90) Dibenzo(a,h)anthracene	18.19	278	60944	4.42	ng	97
91) Benzo(g,h,i)perylene	18.55	276	293182	21.69	ng	96

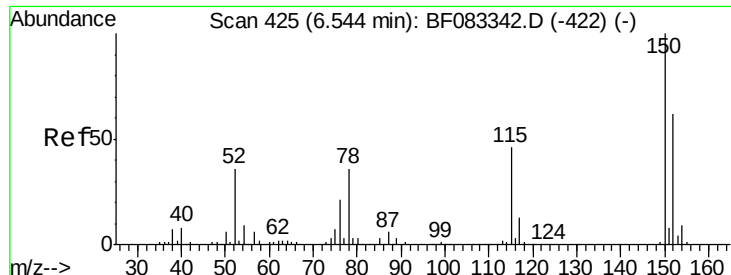
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083451.D
Acq On : 3 Dec 2015 8:56
Operator : UM/IZ
Sample : G4582-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)

Quant Time: Dec 03 09:55:18 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 01 01:17:16 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.53 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

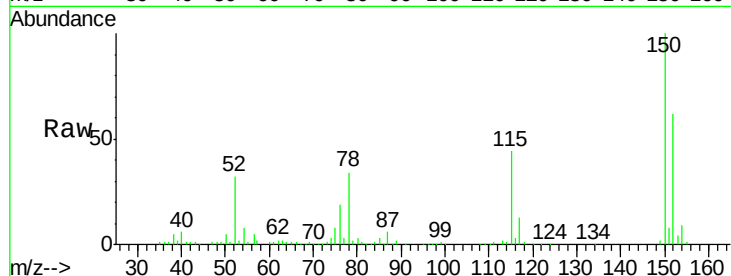
Tot Ion:152 Resp: 131397

Ion Ratio Lower Upper

152 100

150 161.0 129.8 194.8

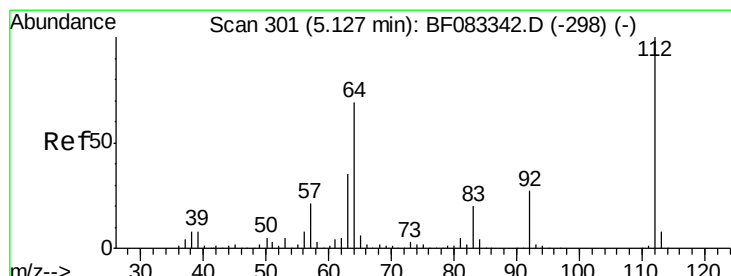
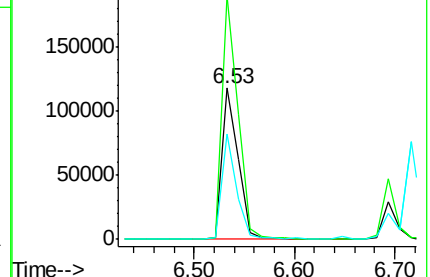
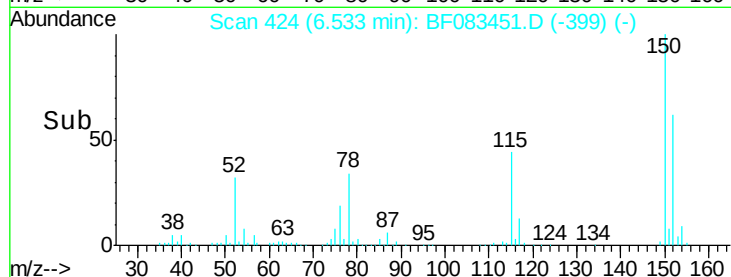
115 70.1 59.2 88.8



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: 6.15 ng

RT: 5.13 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

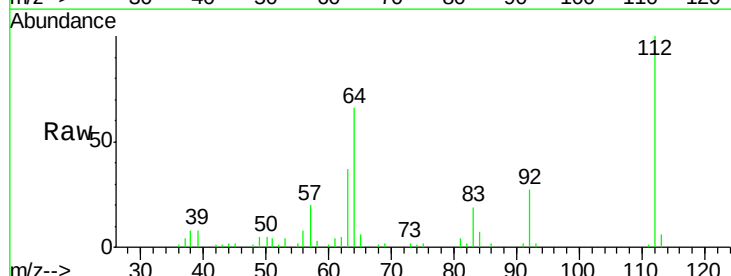
Tgt Ion:112 Resp: 53818

Ion Ratio Lower Upper

112 100

64 66.3 55.6 83.4

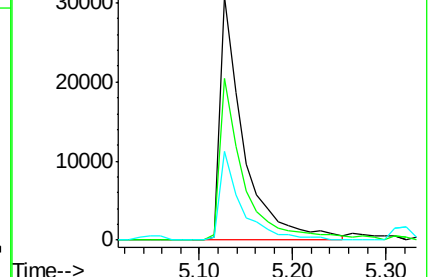
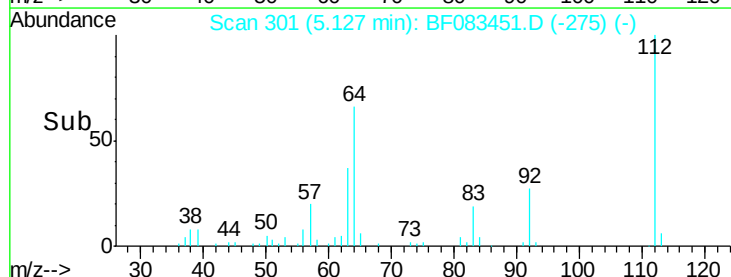
63 36.6 28.2 42.2

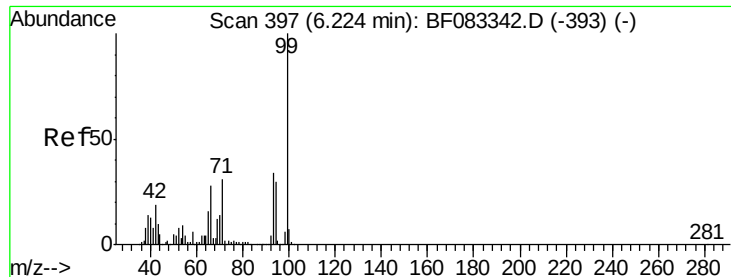


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 6.87 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

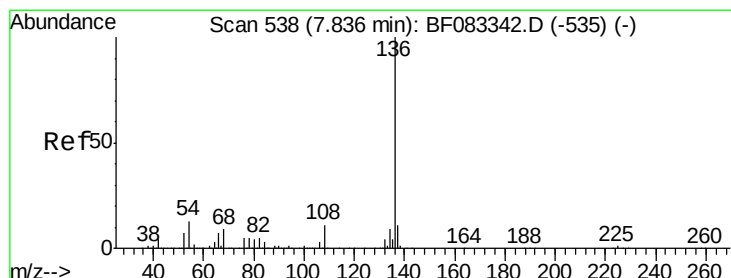
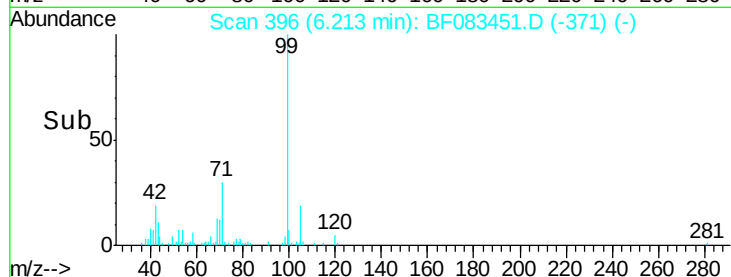
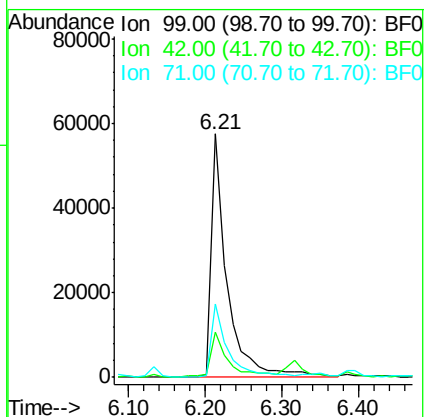
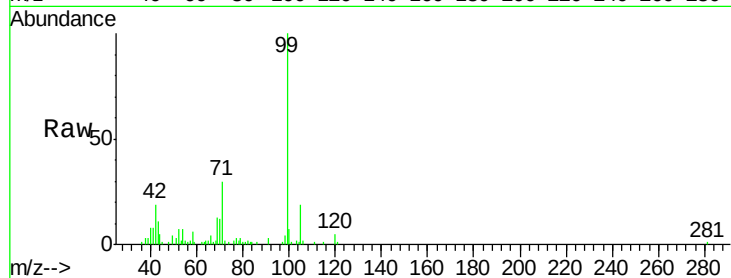
Tot Ion: 99 Resp: 82308

Ion Ratio Lower Upper

99 100

42 18.7 14.9 22.3

71 30.4 24.7 37.1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

Tgt Ion: 136 Resp: 492782

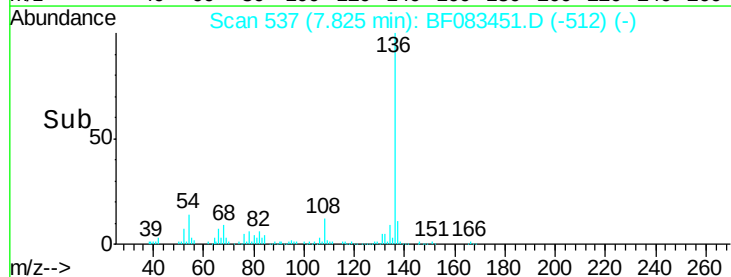
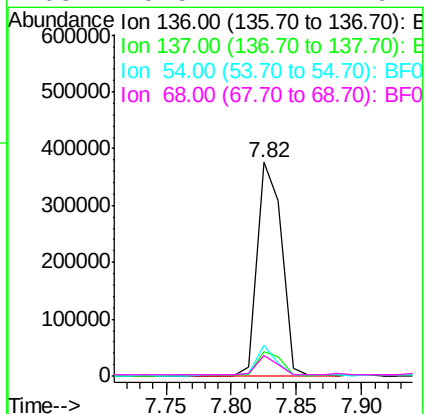
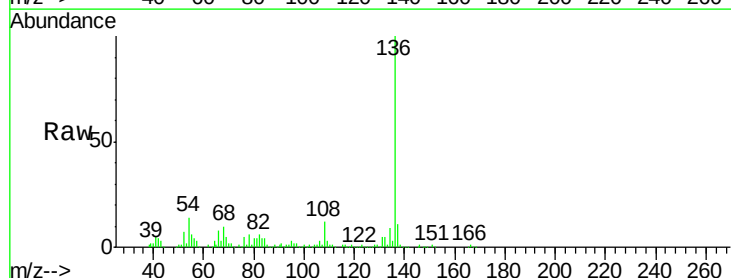
Ion Ratio Lower Upper

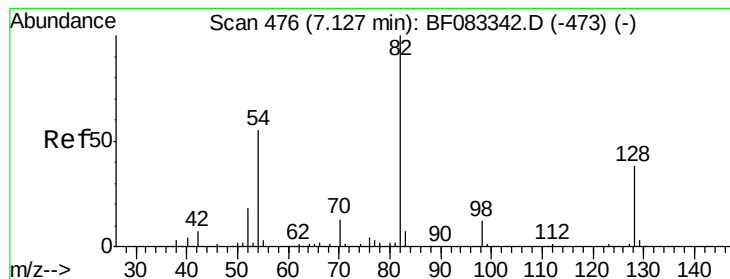
136 100

137 11.5 9.0 13.4

54 14.1 10.1 15.1

68 9.5 7.1 10.7





#23

Nitrobenzene-d5

Concen: 4.56 ng

RT: 7.12 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

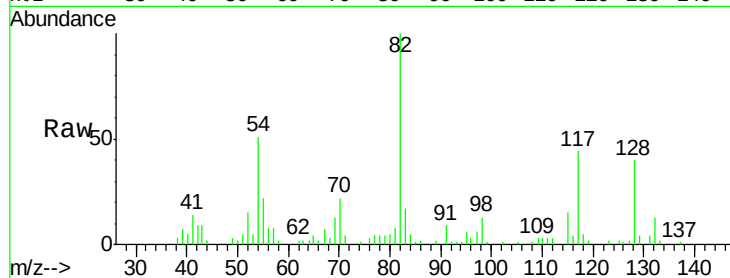
Tot Ion: 82 Resp: 51162

Ion Ratio Lower Upper

82 100

128 39.9 30.6 46.0

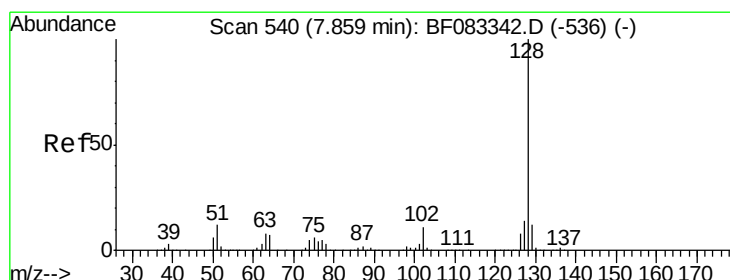
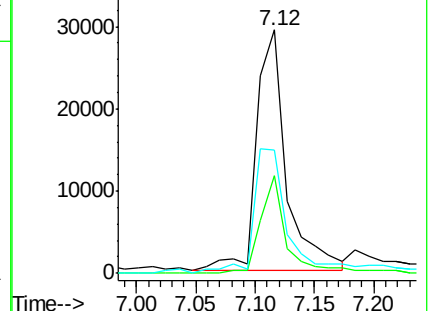
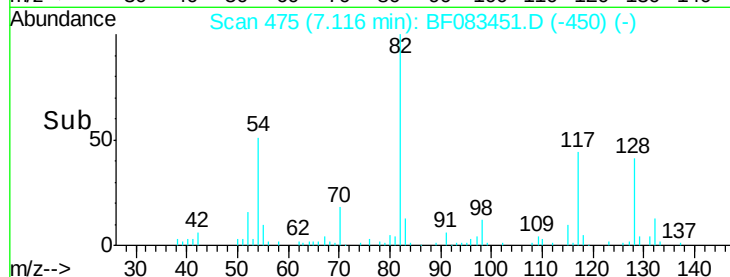
54 50.9 43.8 65.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 95.59 ng

RT: 7.86 min Scan# 540

Delta R.T. 0.00 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

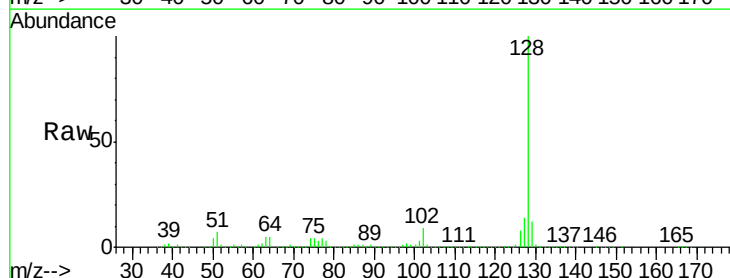
Tgt Ion:128 Resp: 2555943

Ion Ratio Lower Upper

128 100

129 11.7 9.7 14.5

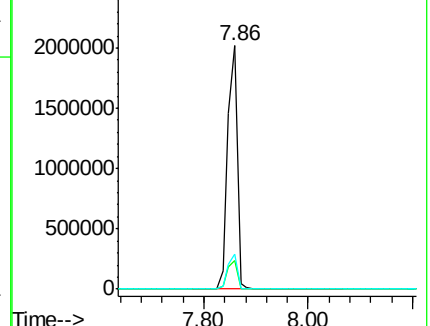
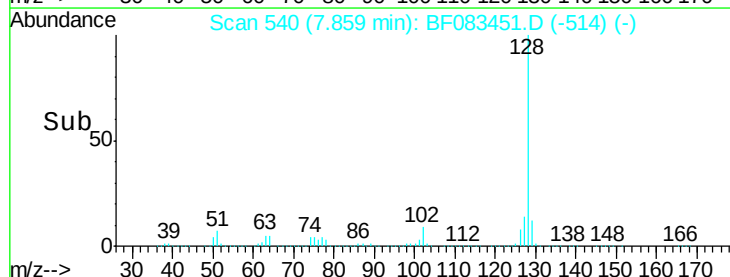
127 14.4 11.0 16.4

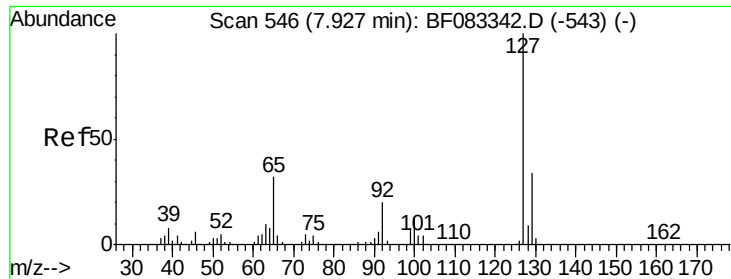


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

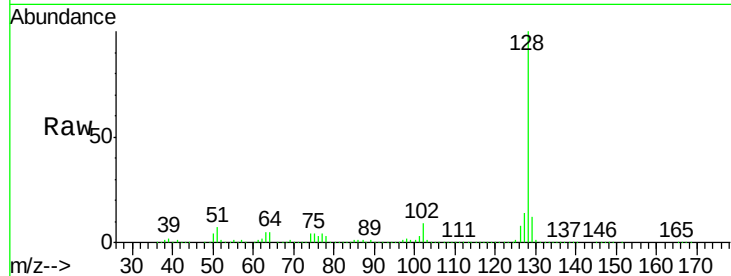




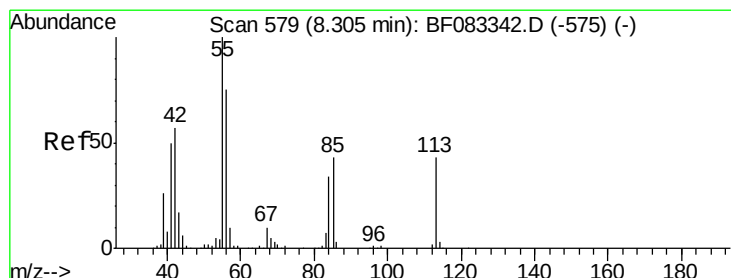
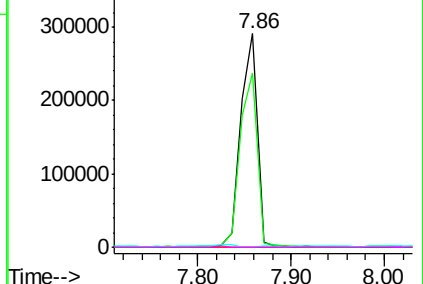
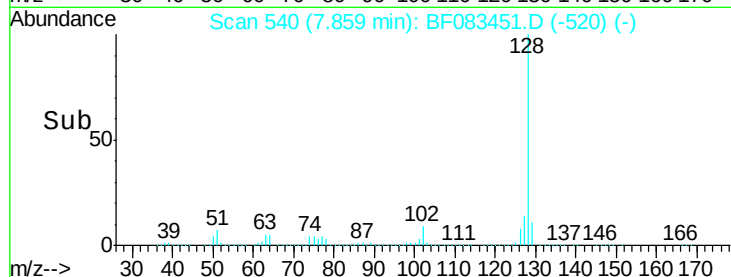
#33
4-Chloroaniline
Concen: 31.43 ng
RT: 7.86 min Scan# 540
Delta R.T. -0.07 min
Lab File: BF083451.D
Acq: 3 Dec 2015 8:56

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)

Tot Ion:	127	Resp:	362244
Ion	Ratio	Lower	Upper
127	100		
129	81.4	27.0	40.4#
65	0.0	25.9	38.9#
92	0.2	15.8	23.8#

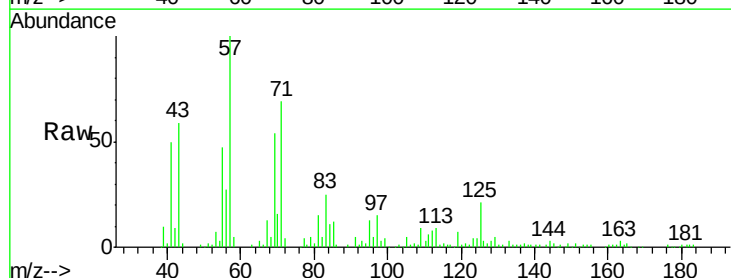


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

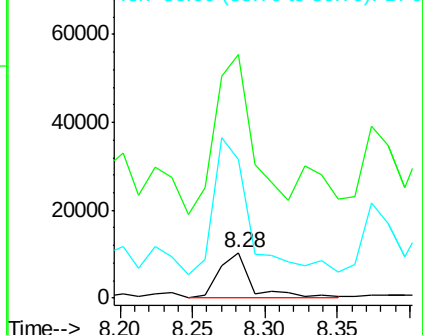
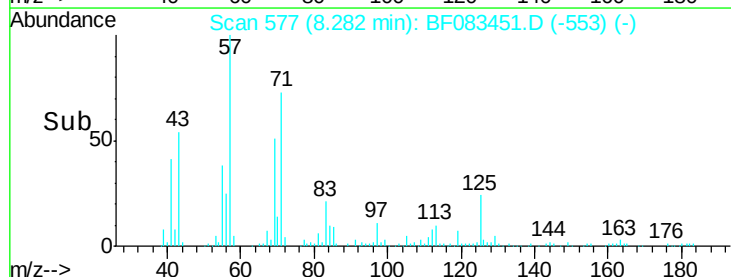


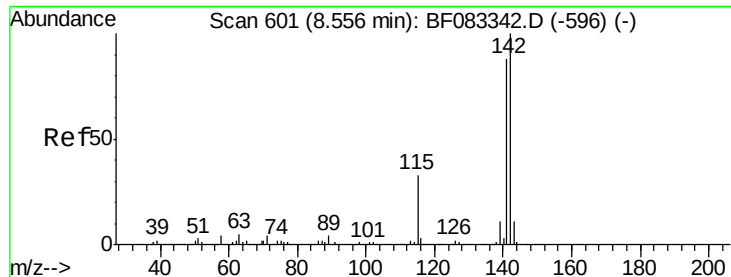
#35
Caprolactam
Concen: 6.49 ng
RT: 8.28 min Scan# 577
Delta R.T. -0.02 min
Lab File: BF083451.D
Acq: 3 Dec 2015 8:56

Tgt Ion:	113	Resp:	16145
Ion	Ratio	Lower	Upper
113	100		
55	536.6	211.6	251.6#
56	306.4	153.0	193.0#



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

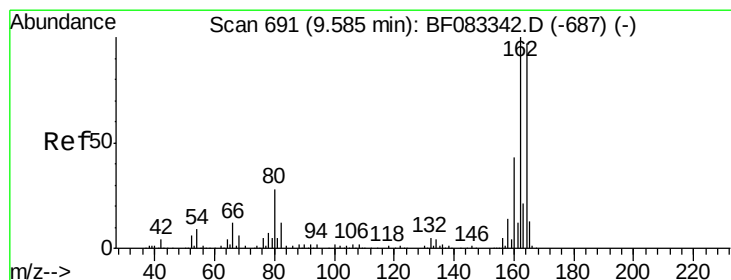
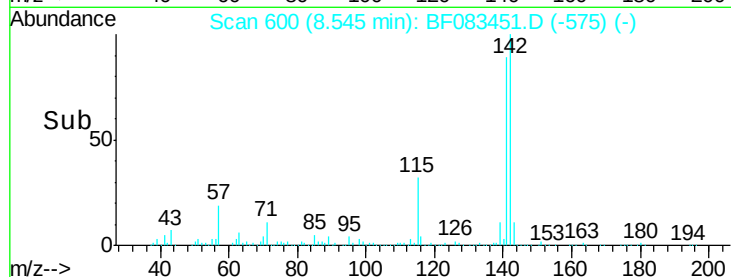
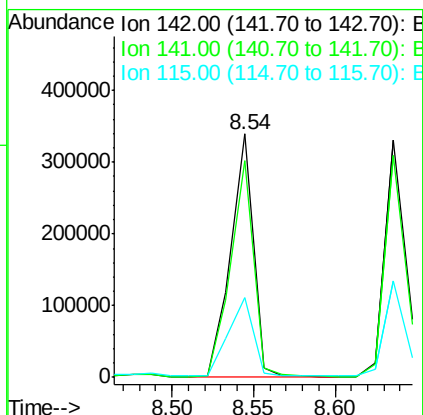
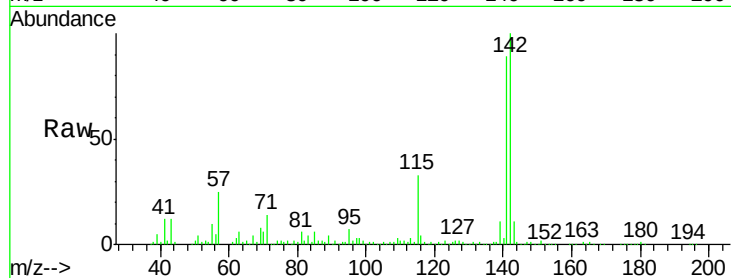




#37
2-Methylnaphthalene
Concen: 18.28 ng
RT: 8.54 min Scan# 600
Delta R.T. -0.01 min
Lab File: BF083451.D
Acq: 3 Dec 2015 8:56

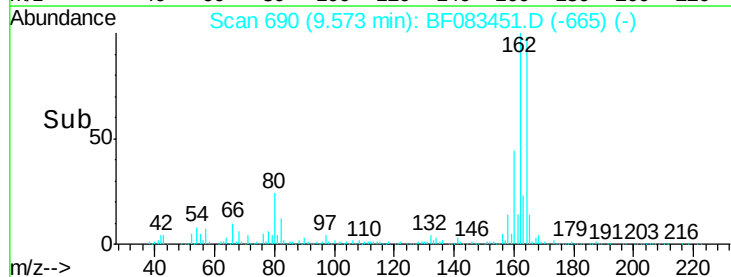
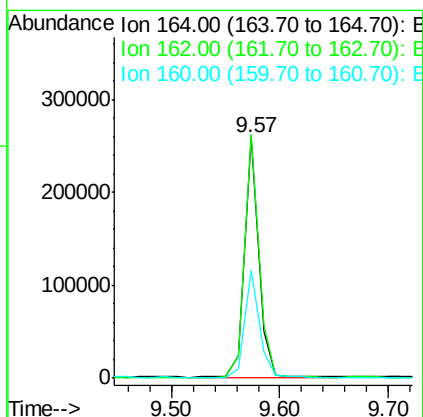
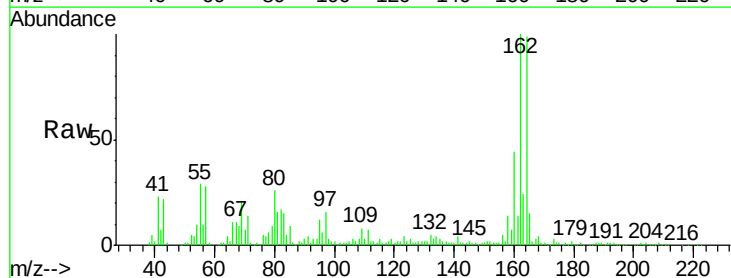
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)

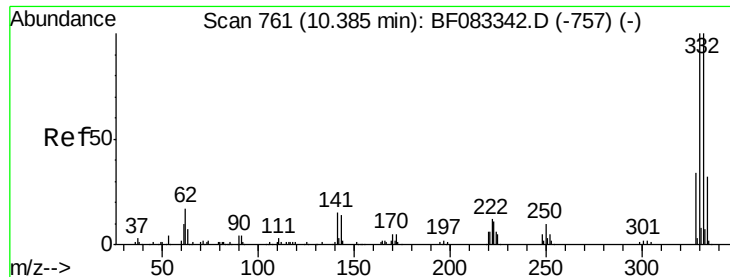
Tot Ion:142 Resp: 326591
Ion Ratio Lower Upper
142 100
141 89.2 70.6 105.8
115 32.6 26.2 39.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083451.D
Acq: 3 Dec 2015 8:56

Tgt Ion:164 Resp: 231148
Ion Ratio Lower Upper
164 100
162 101.2 82.6 123.8
160 44.7 35.3 52.9

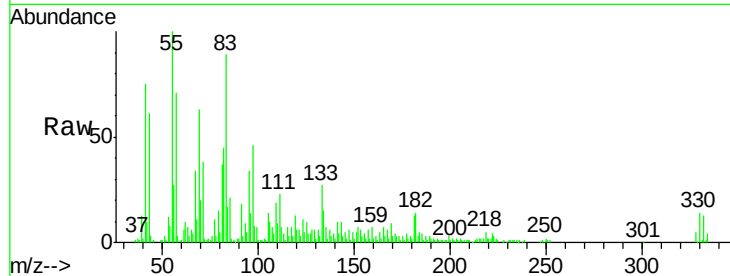




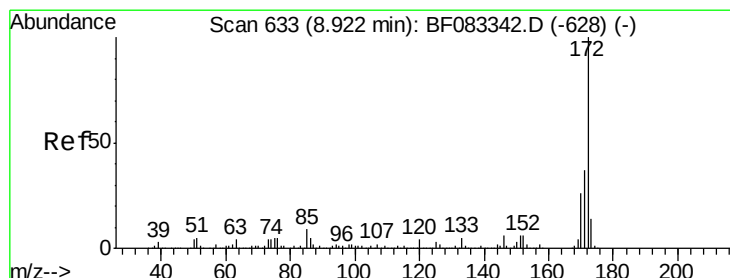
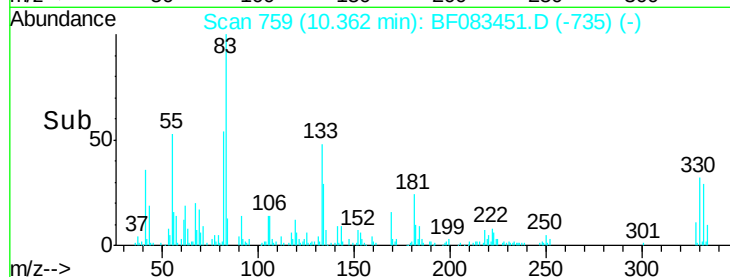
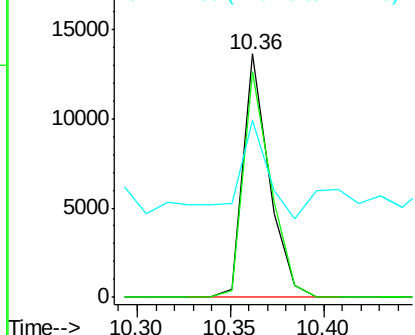
#41
 2,4,6-Tribromophenol
 Concen: 5.74 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083451.D
 Acq: 3 Dec 2015 8:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.8	116.6
141	40.9	29.4	44.0

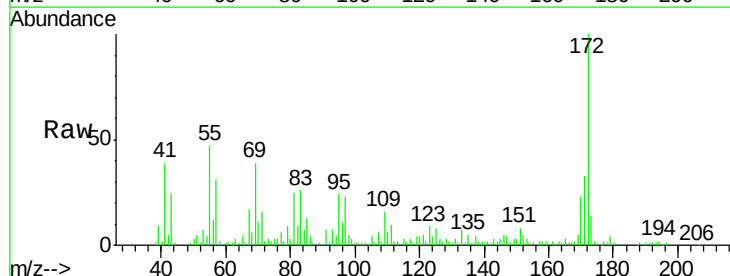


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

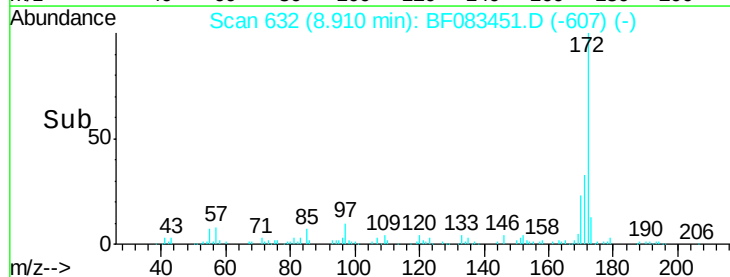
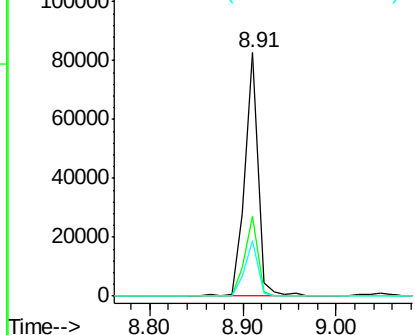


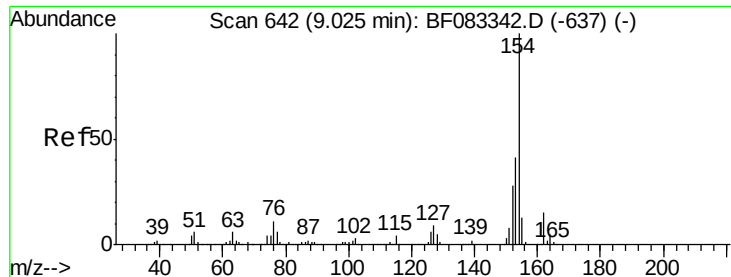
#44
 2-Fluorobiphenyl
 Concen: 5.08 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083451.D
 Acq: 3 Dec 2015 8:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.0	29.4	44.0
170	23.0	20.4	30.6



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





#45

1,1'-Biphenyl

Concen: 7.12 ng

RT: 9.00 min Scan# 640

Delta R.T. -0.02 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

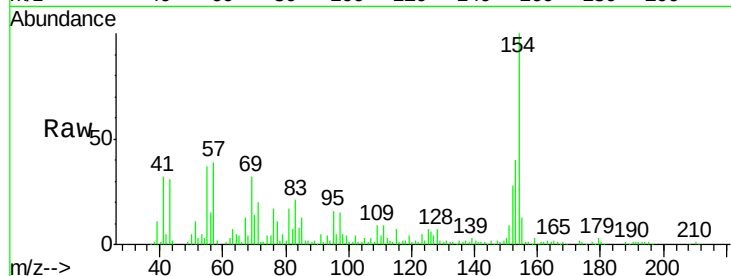
Tot Ion:154 Resp: 144405

Ion Ratio Lower Upper

154 100

153 40.4 20.6 60.6

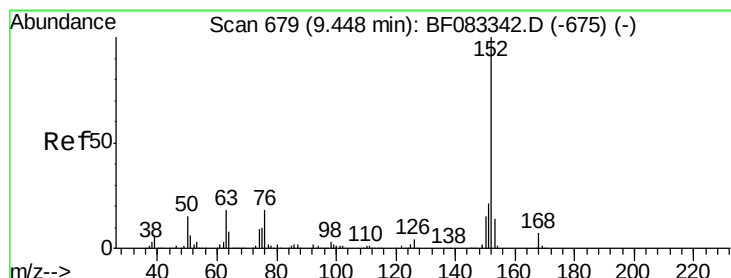
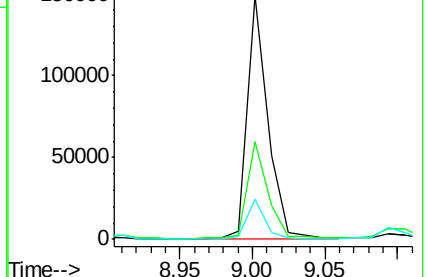
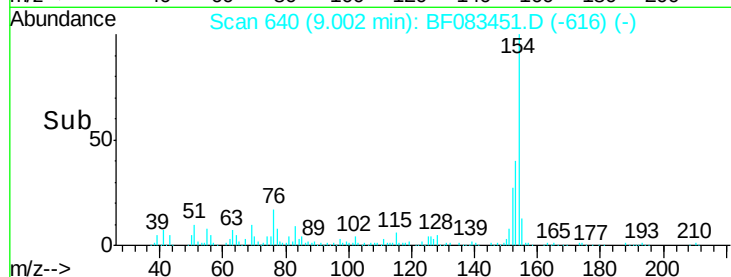
76 16.6 0.0 30.5



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



#48

Acenaphthylene

Concen: 8.73 ng

RT: 9.44 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

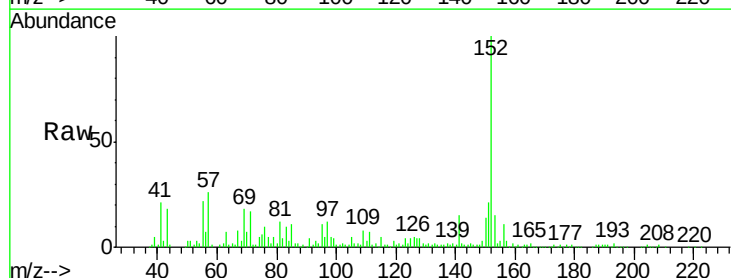
Tgt Ion:152 Resp: 215134

Ion Ratio Lower Upper

152 100

151 20.9 16.7 25.1

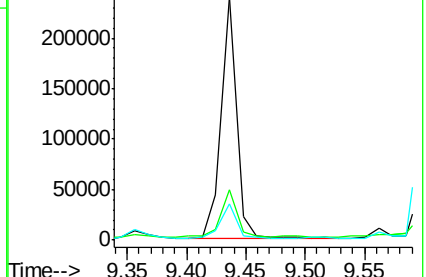
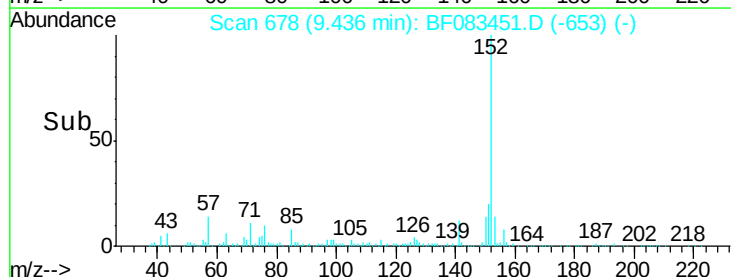
153 15.1 11.2 16.8

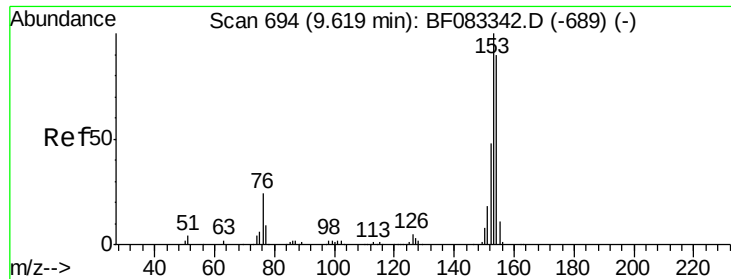


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 37.21 ng

RT: 9.61 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

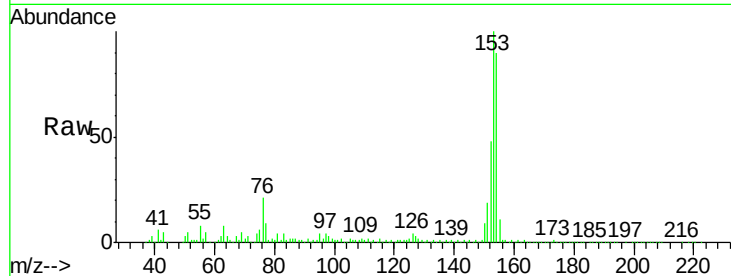
Tot Ion:154 Resp: 539222

Ion Ratio Lower Upper

154 100

153 111.6 89.3 133.9

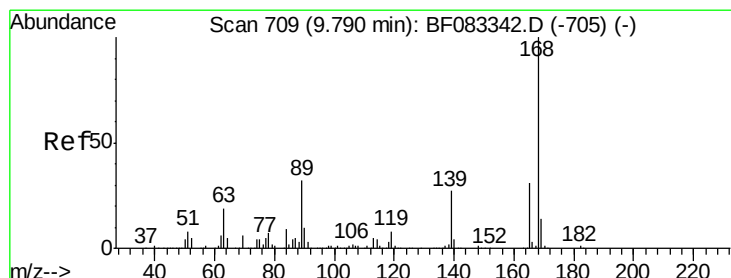
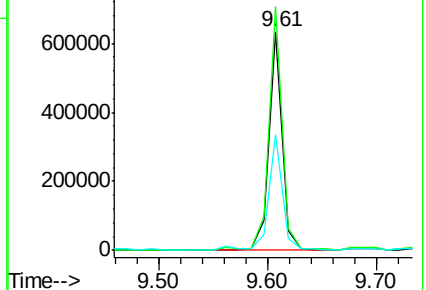
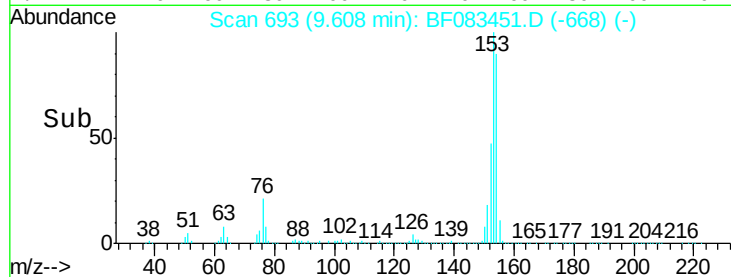
152 53.0 42.5 63.7



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



#54

Dibenzofuran

Concen: 2.07 ng

RT: 9.78 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

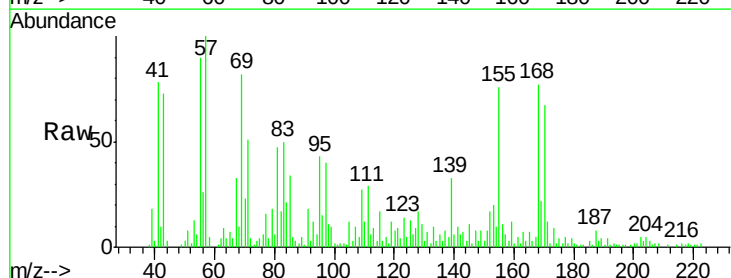
Tgt Ion:168 Resp: 44042

Ion Ratio Lower Upper

168 100

139 42.6 32.7 49.1

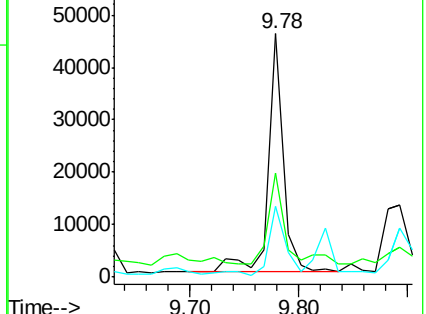
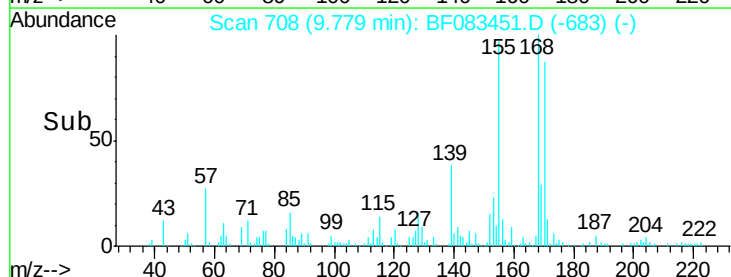
169 29.3 11.1 16.7#

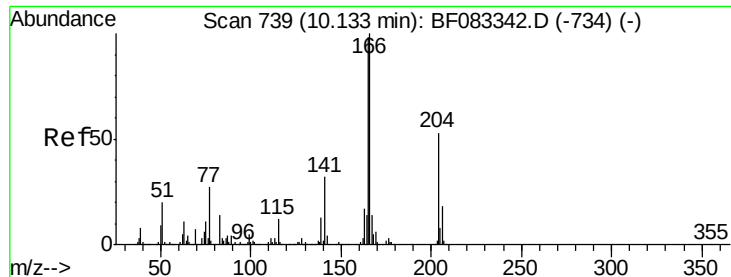


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

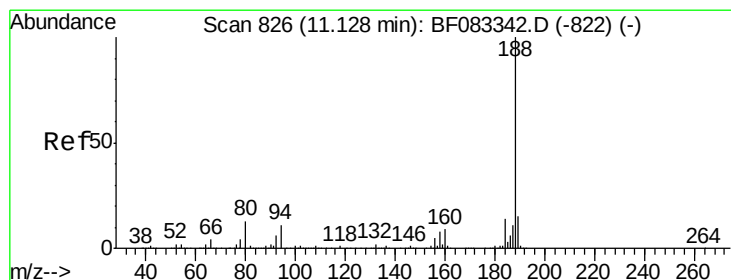
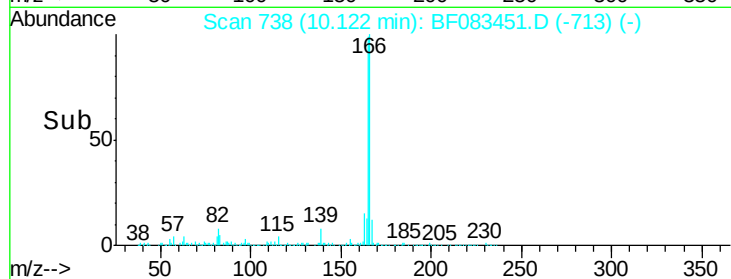
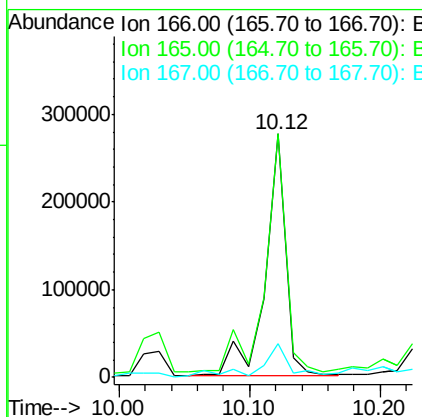
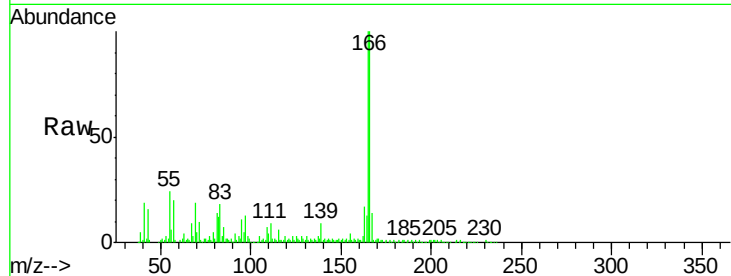




#57
Fluorene
 Concen: 18.09 ng
 RT: 10.12 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: BF083451.D
 Acq: 3 Dec 2015 8:56

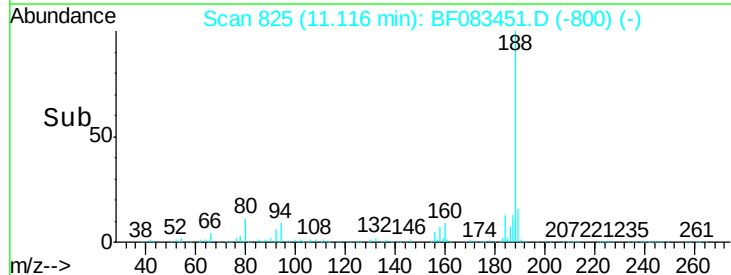
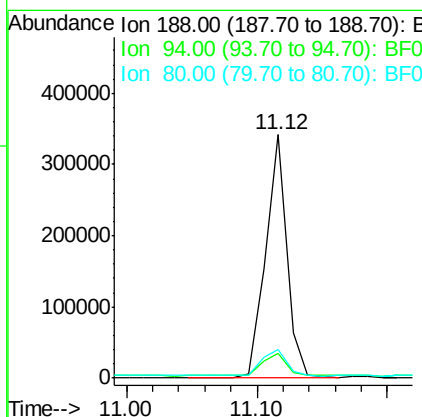
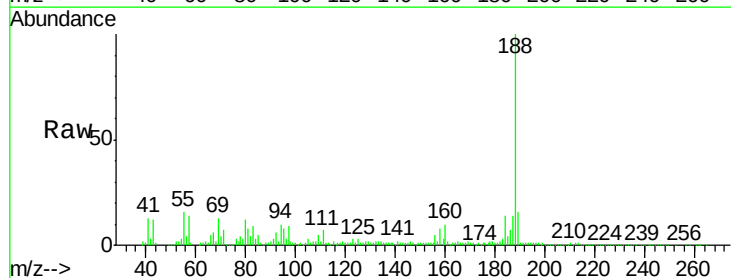
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)

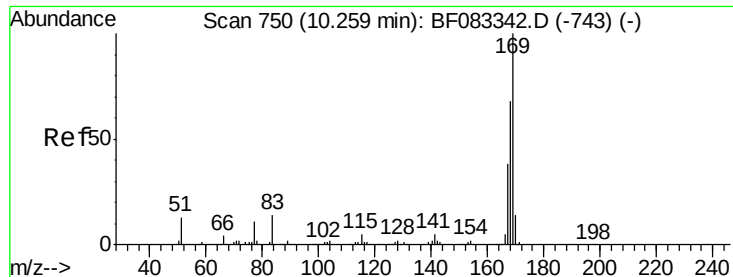
Tot Ion:166 Resp: 303307
 Ion Ratio Lower Upper
 166 100
 165 100.2 78.3 117.5
 167 13.7 11.1 16.7



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF083451.D
 Acq: 3 Dec 2015 8:56

Tgt Ion:188 Resp: 390115
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.7 13.1
 80 11.7 10.3 15.5





#65

n-Nitrosodiphenylamine

Concen: 4.13 ng

RT: 10.24 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

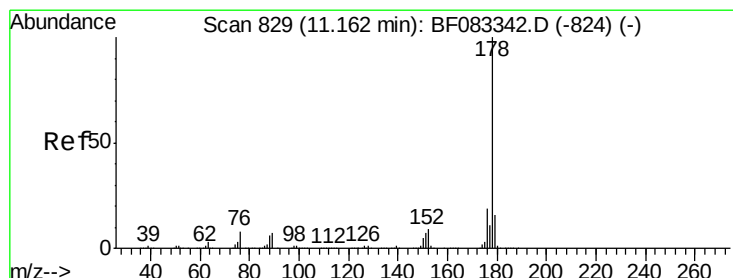
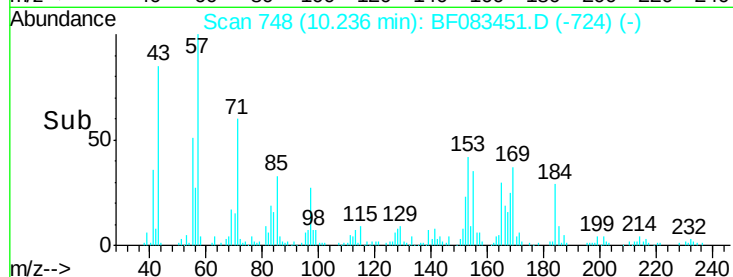
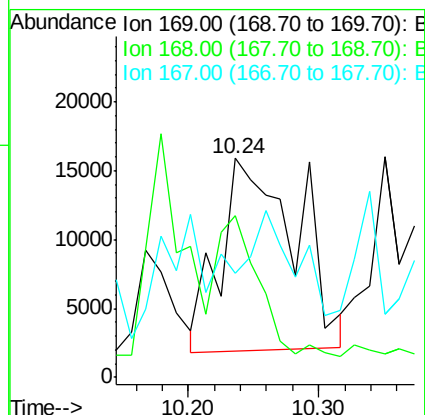
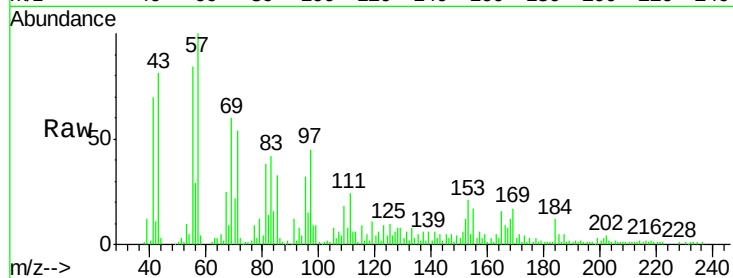
Tot Ion:169 Resp: 56616

Ion Ratio Lower Upper

169 100

168 74.0 54.8 82.2

167 47.7 30.2 45.2#



#70

Phenanthrene

Concen: 67.14 ng

RT: 11.15 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

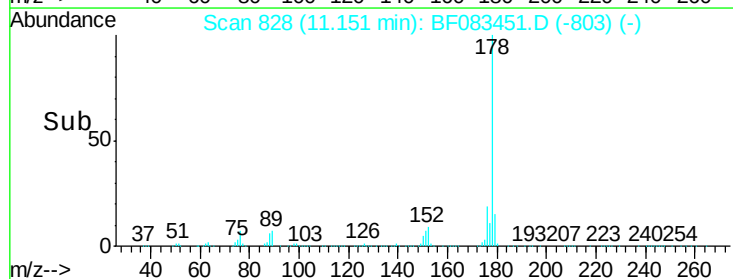
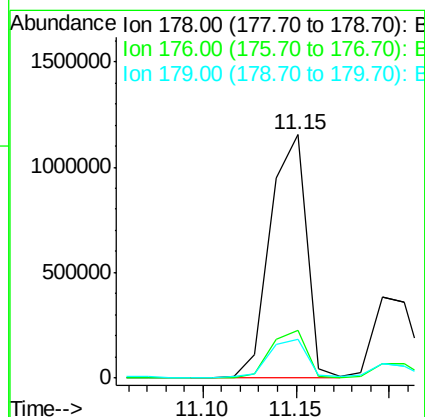
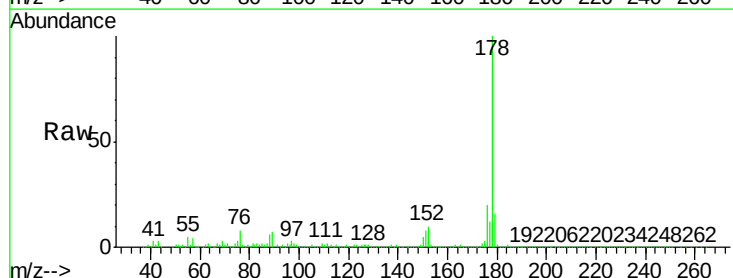
Tgt Ion:178 Resp: 1550159

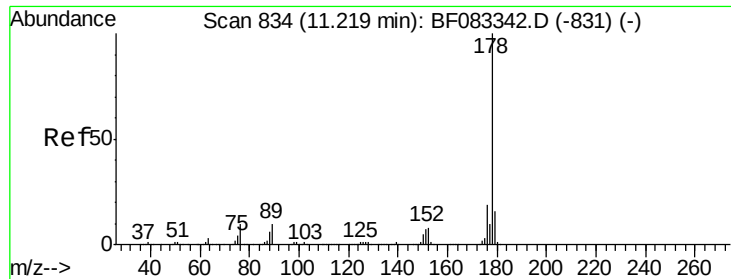
Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 15.8 12.4 18.6

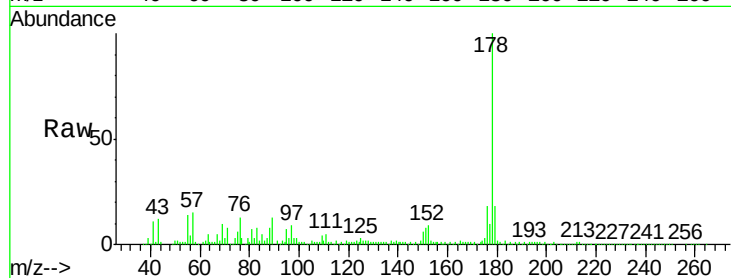




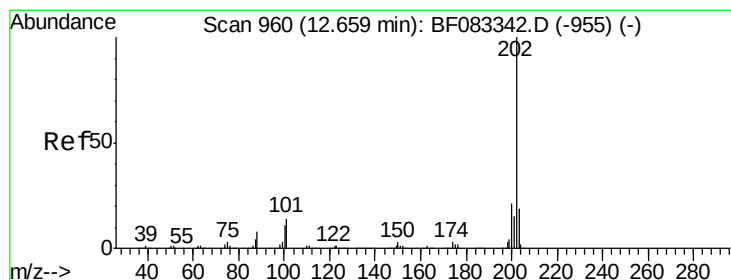
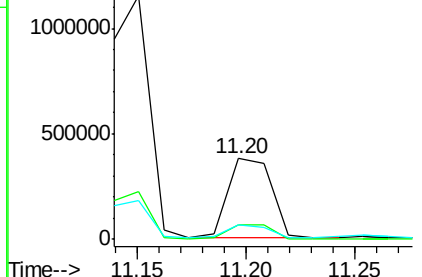
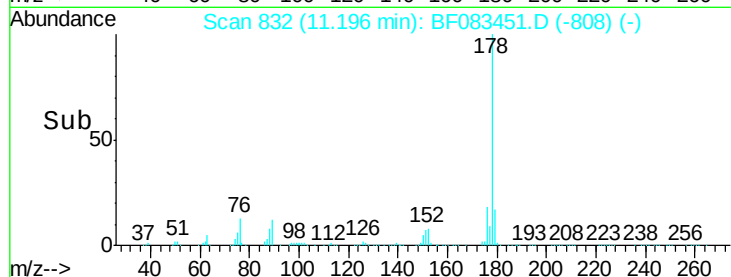
#71
 Anthracene
 Concen: 22.39 ng
 RT: 11.20 min Scan# 832
 Delta R.T. -0.02 min
 Lab File: BF083451.D
 Acq: 3 Dec 2015 8:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)

Tot Ion:178 Resp: 520329
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.6 23.4
 179 17.5 12.8 19.2

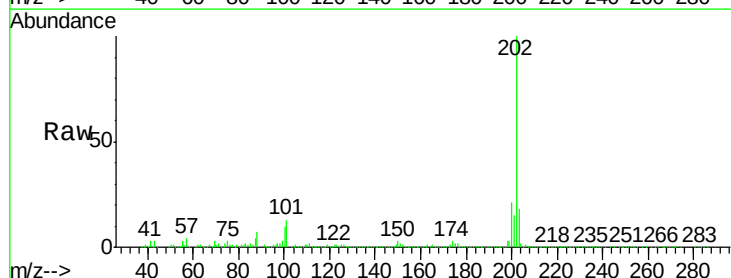


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

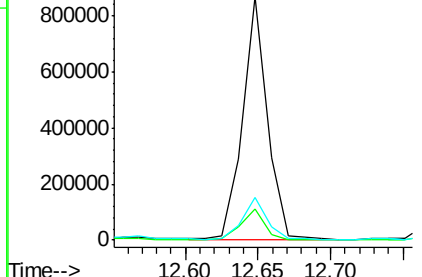
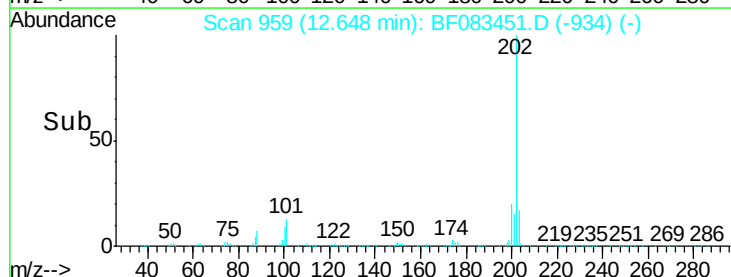


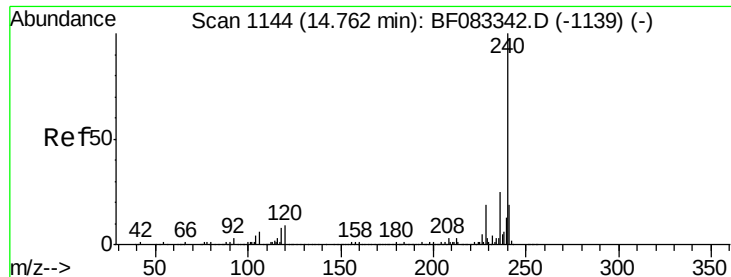
#74
 Fluoranthene
 Concen: 42.46 ng
 RT: 12.65 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BF083451.D
 Acq: 3 Dec 2015 8:56

Tgt Ion:202 Resp: 1016101
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 34.5
 203 17.6 0.0 38.7



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: 14.74 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

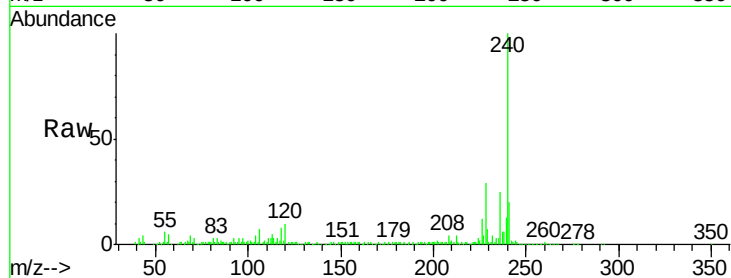
Tot Ion:240 Resp: 325980

Ion Ratio Lower Upper

240 100

120 9.9 6.9 10.3

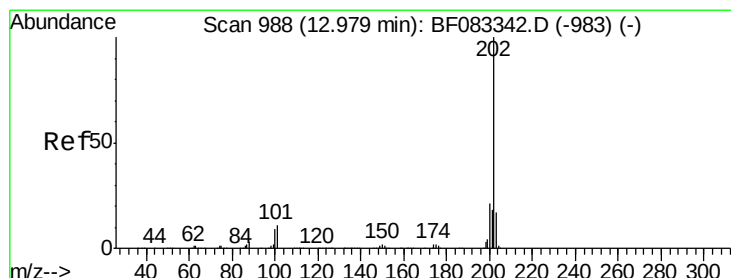
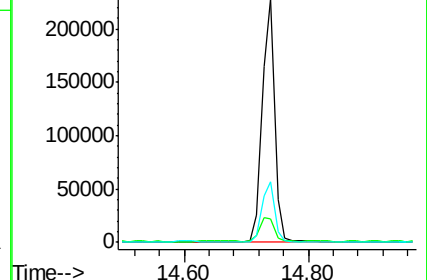
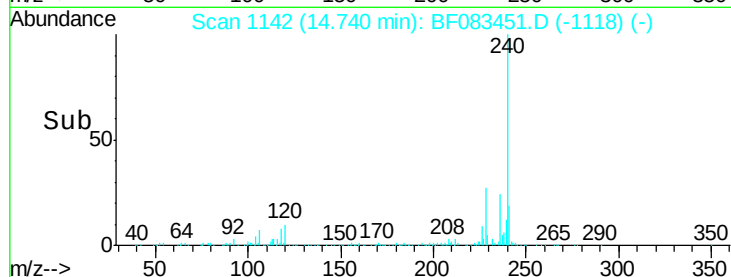
236 24.8 19.8 29.6



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: 65.04 ng

RT: 12.97 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

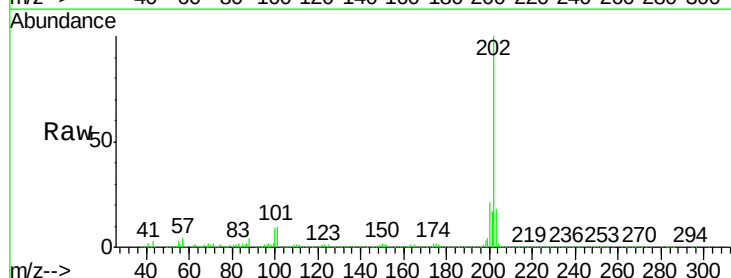
Tgt Ion:202 Resp: 1480602

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

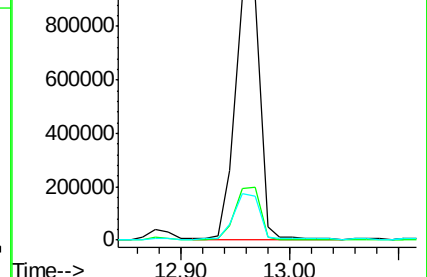
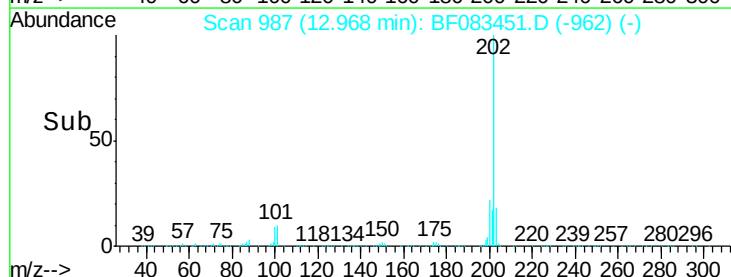
203 18.1 13.9 20.9

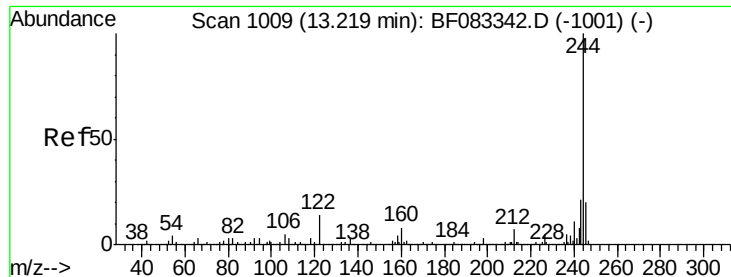


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.50 ng

RT: 13.20 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

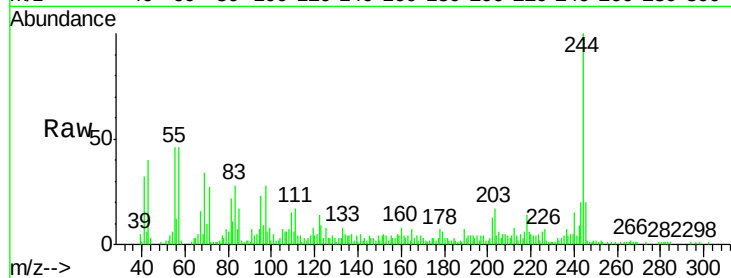
Tot Ion:244 Resp: 61486

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

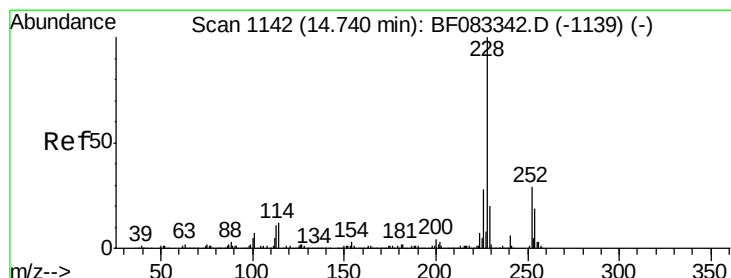
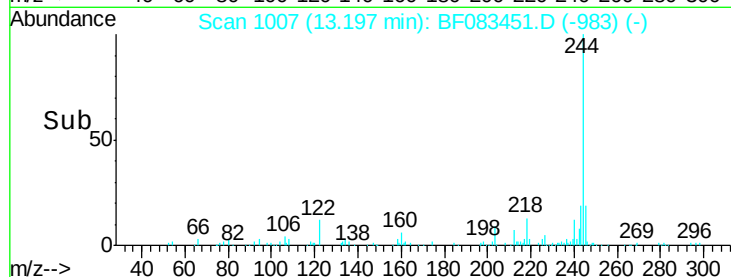
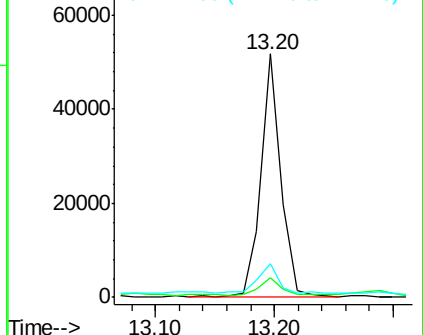
122 13.7 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 27.30 ng

RT: 14.77 min Scan# 1145

Delta R.T. 0.03 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

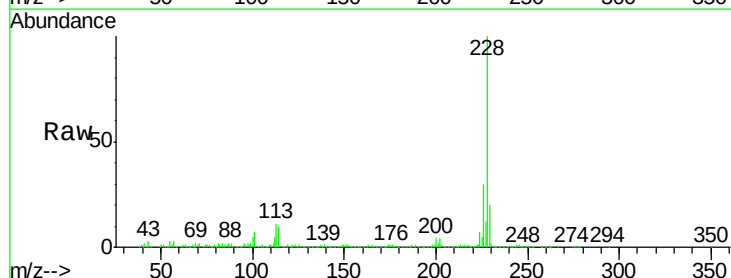
Tgt Ion:228 Resp: 545165

Ion Ratio Lower Upper

228 100

226 30.2 22.2 33.4

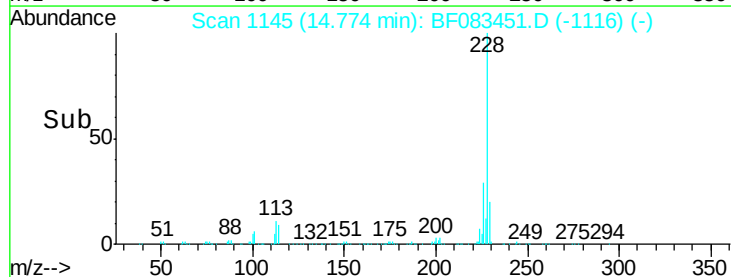
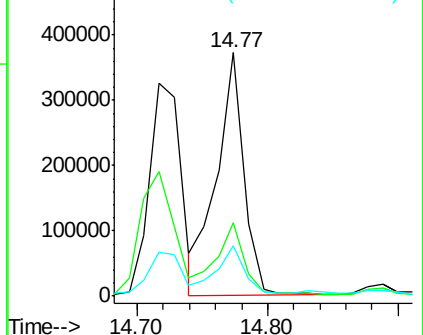
229 20.4 16.1 24.1

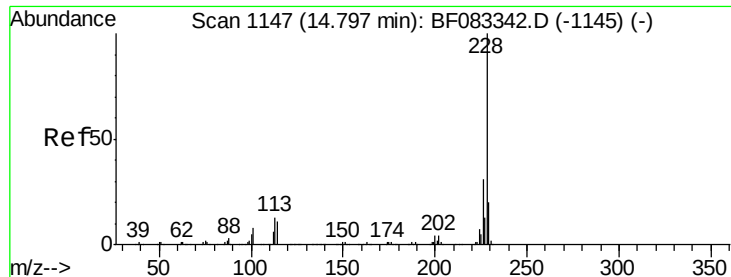


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 28.35 ng

RT: 14.77 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

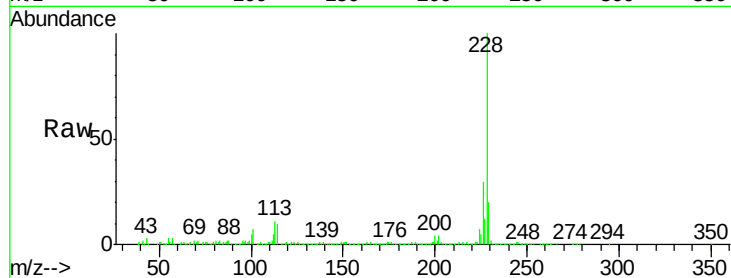
Tot Ion:228 Resp: 546975

Ion Ratio Lower Upper

228 100

226 30.2 24.6 37.0

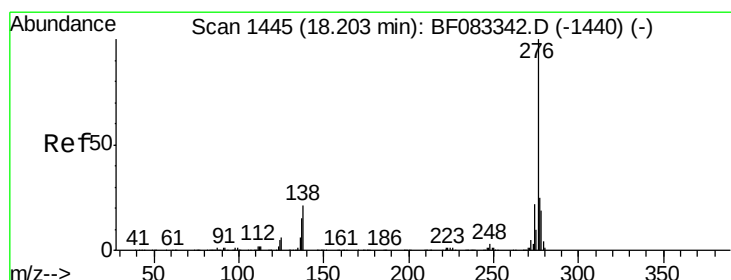
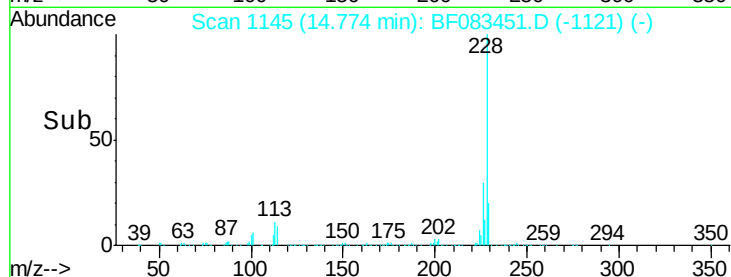
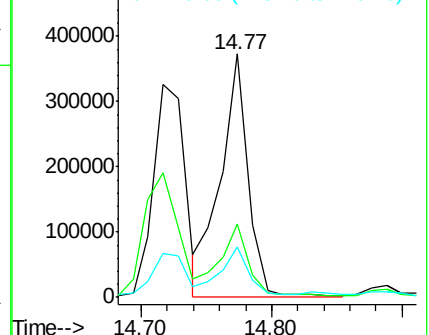
229 20.4 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.63 ng

RT: 18.04 min Scan# 1431

Delta R.T. -0.16 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

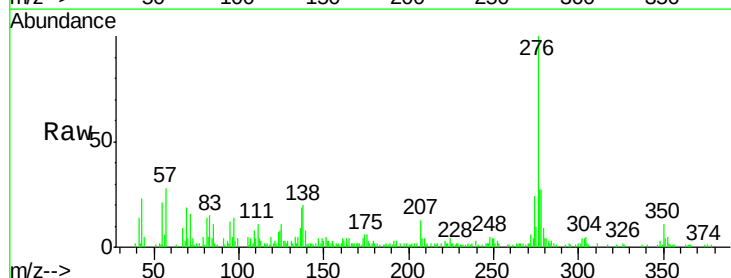
Tgt Ion:276 Resp: 65040

Ion Ratio Lower Upper

276 100

138 22.6 21.2 31.8

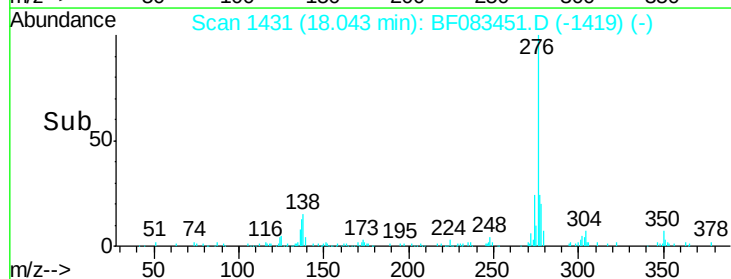
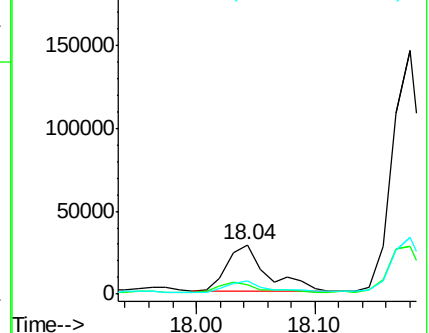
277 28.4 20.0 30.0

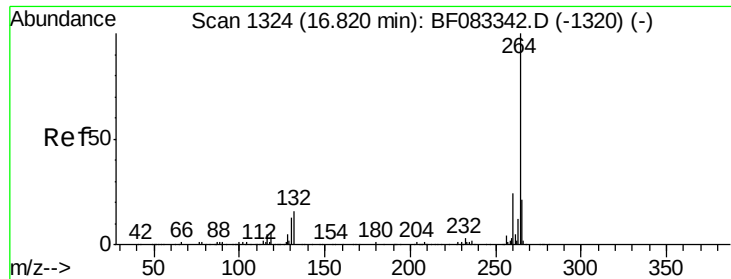


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.80 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

Instrument :

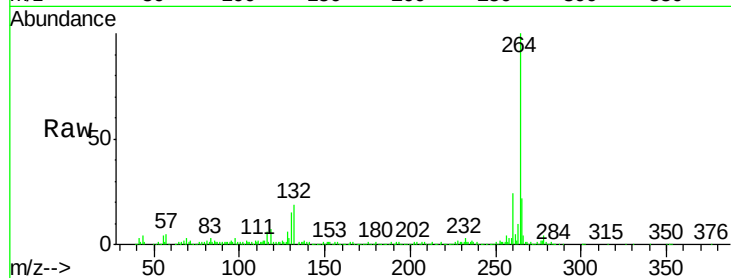
BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

Tot Ion:264 Resp: 286839

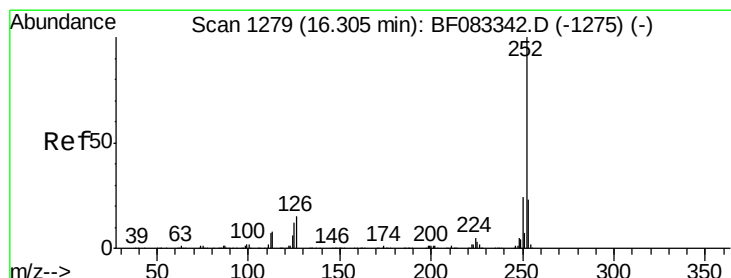
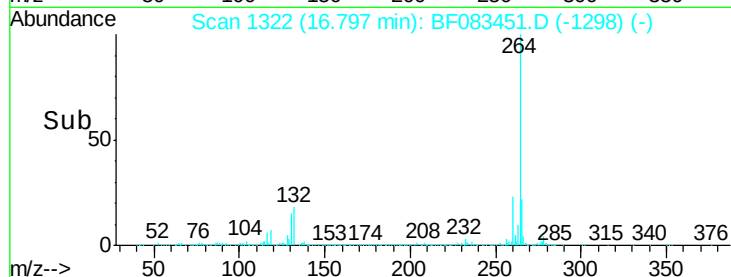
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.9	16.8	25.2



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: 41.47 ng

RT: 16.29 min Scan# 1278

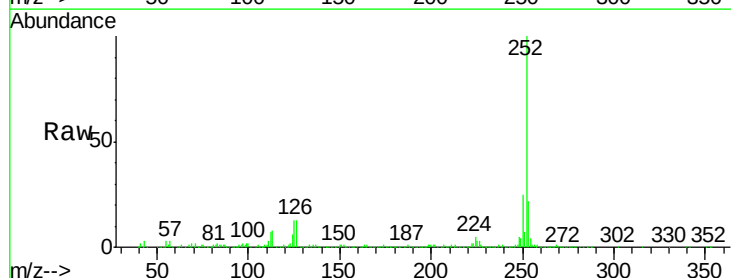
Delta R.T. -0.01 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

Tgt Ion:252 Resp: 763259

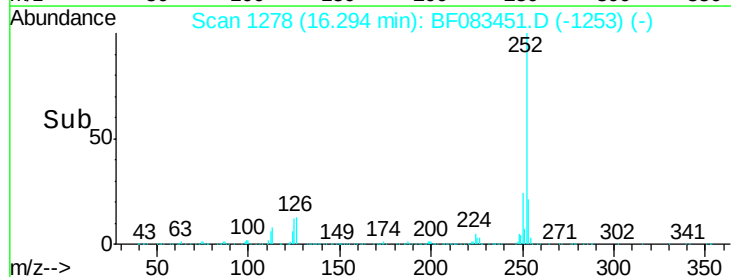
Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	12.6	9.6	14.4

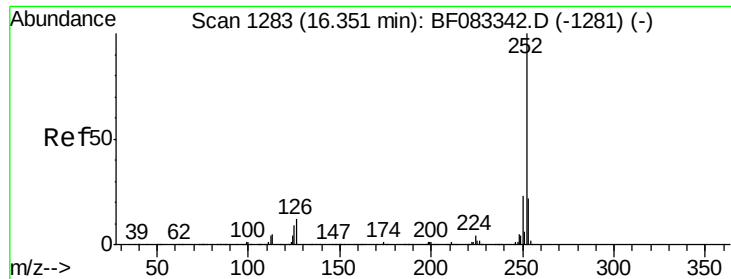


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

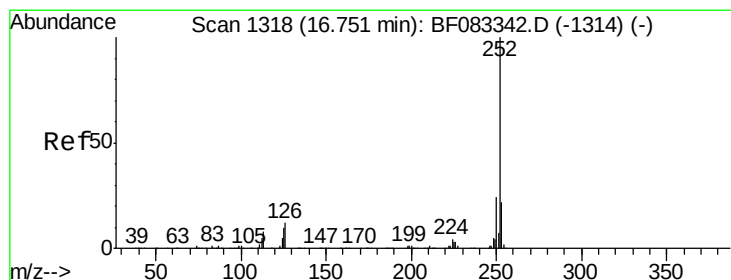
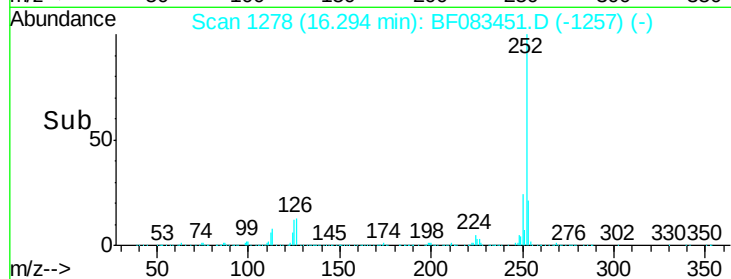
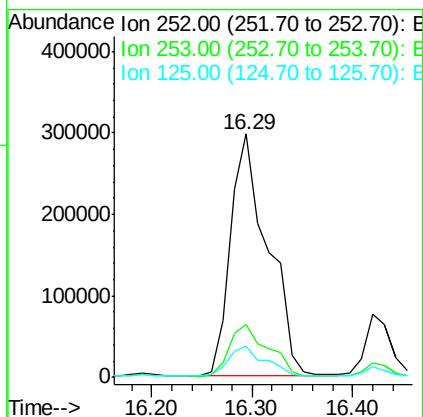
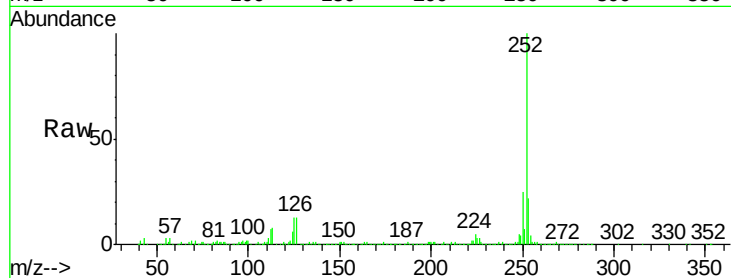




#88
Benzo(k)fluoranthene
Concen: 43.92 ng
RT: 16.29 min Scan# 1278
Delta R.T. -0.06 min
Lab File: BF083451.D
Acq: 3 Dec 2015 8:56

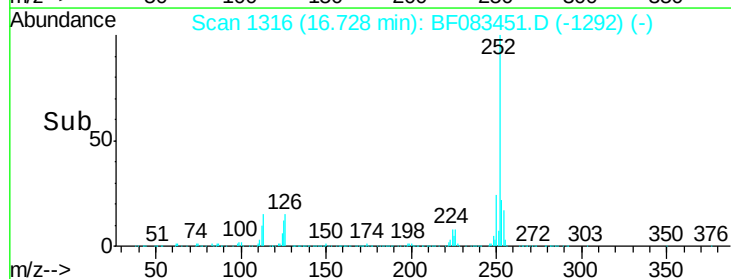
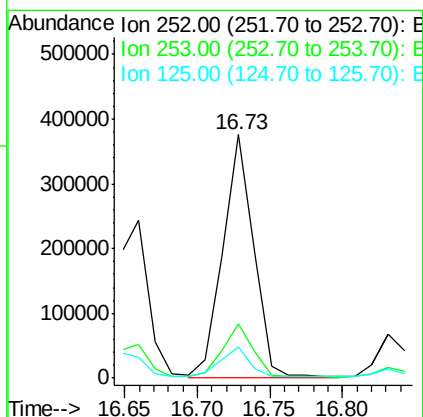
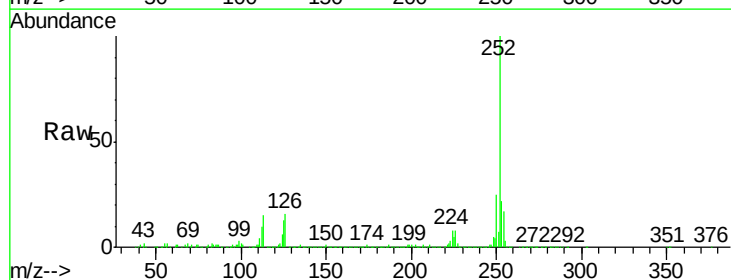
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)

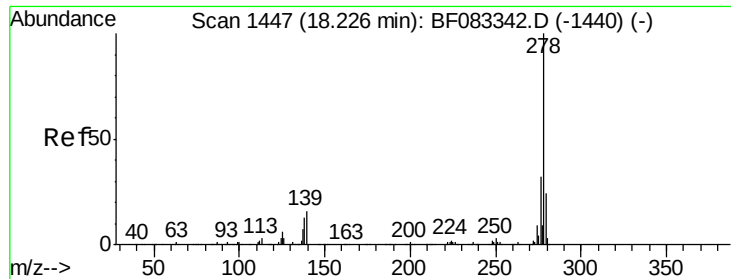
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	12.6	7.5	11.3#



#89
Benzo(a)pyrene
Concen: 34.82 ng
RT: 16.73 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF083451.D
Acq: 3 Dec 2015 8:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	12.6	7.8	11.8#





#90

Dibenzo(a,h)anthracene

Concen: 4.42 ng

RT: 18.19 min Scan# 1444

Delta R.T. -0.03 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

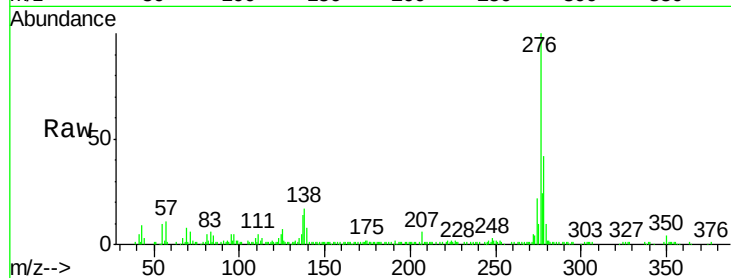
Tot Ion:278 Resp: 60944

Ion Ratio Lower Upper

278 100

139 18.4 13.1 19.7

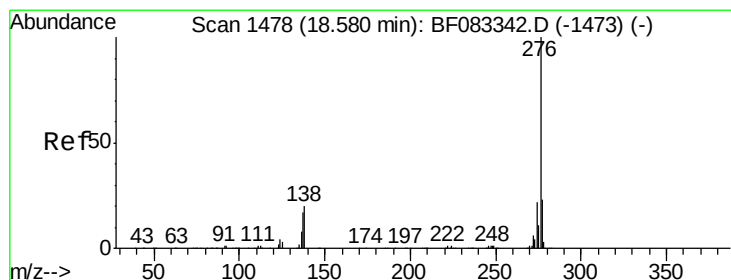
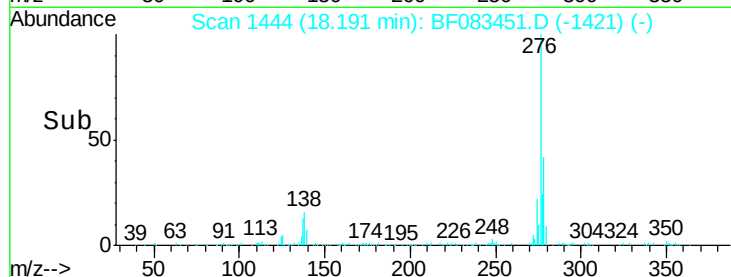
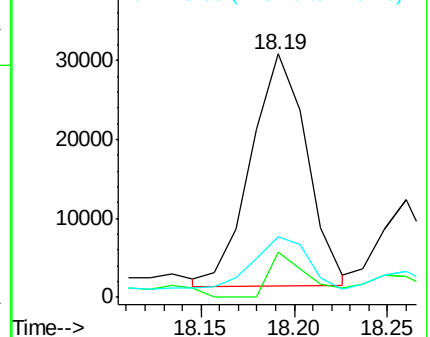
279 24.7 19.2 28.8



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: 21.69 ng

RT: 18.55 min Scan# 1475

Delta R.T. -0.03 min

Lab File: BF083451.D

Acq: 3 Dec 2015 8:56

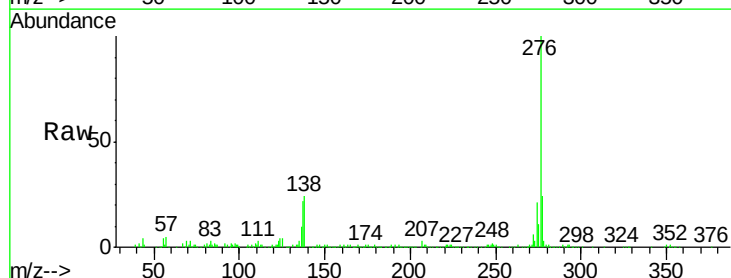
Tgt Ion:276 Resp: 293182

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 23.5 16.1 24.1



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

