

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083438.D
 Acq On : 3 Dec 2015 2:19
 Operator : UM/IZ
 Sample : G4582-14 20X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP1-112415

Quant Time: Dec 03 02:57:57 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	133342	20.00	ng	-0.01
21) Naphthalene-d8	7.84	136	529943	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	250793	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	432909	20.00	ng	-0.01
75) Chrysene-d12	14.74	240	309940	20.00	ng	-0.02
86) Perylene-d12	16.81	264	313241	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	47236	5.32	ng	0.01
7) Phenol-d6	6.22	99	77200	6.35	ng	0.00
23) Nitrobenzene-d5	7.12	82	47356	3.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	12203	4.85	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	79132	4.50	ng	-0.01
78) Terphenyl-d14	13.21	244	58706	4.52	ng	-0.01

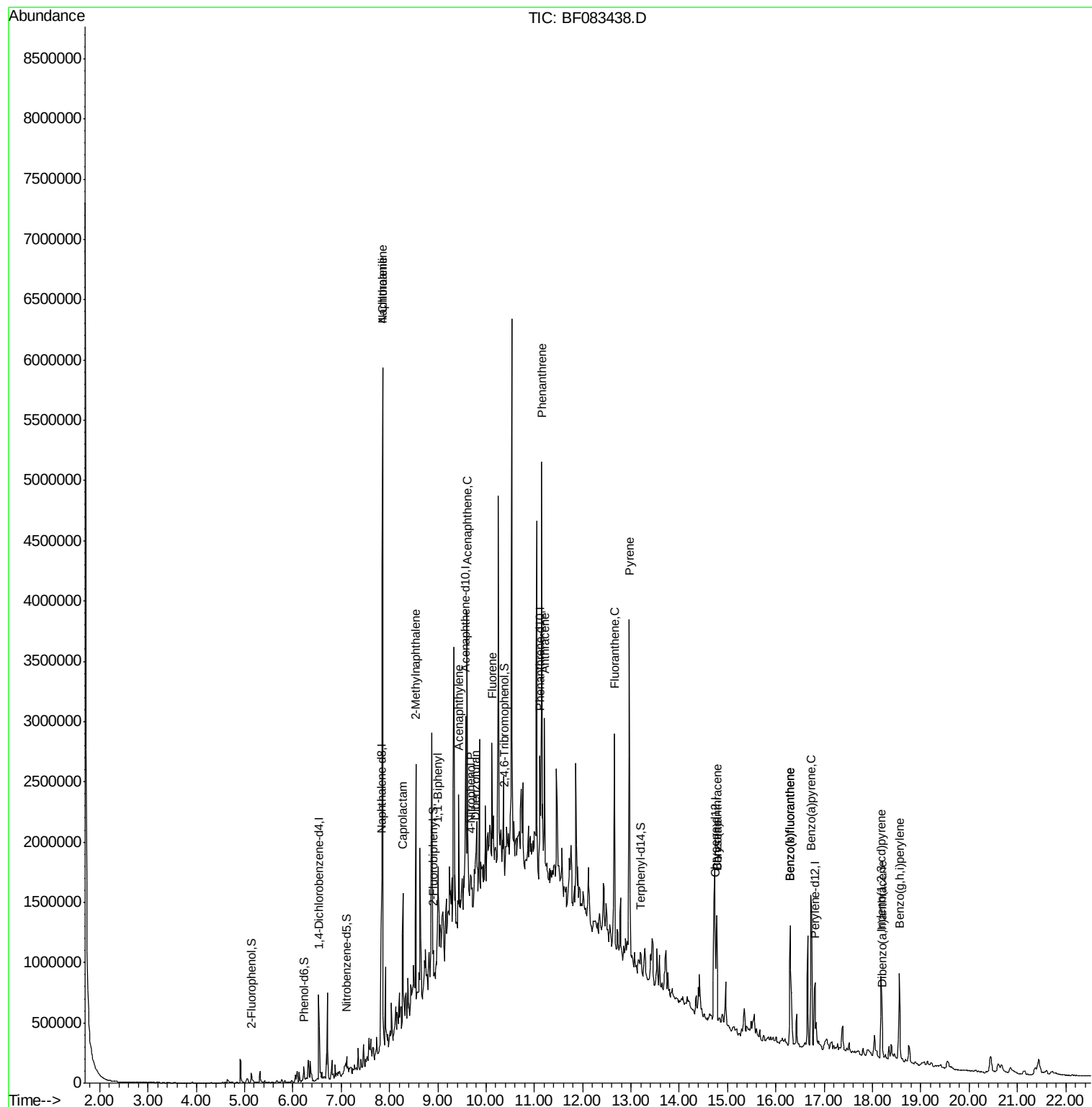
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.09	77	7279	Below Cal	#	1
31) Naphthalene	7.86	128	3195686	111.14	ng	98
33) 4-Chloroaniline	7.86	127	458945	37.03	ng	# 34
35) Caprolactam	8.28	113	21774	8.13	ng	# 1
37) 2-Methylnaphthalene	8.54	142	455270	23.69	ng	98
45) 1,1'-Biphenyl	9.00	154	151545	6.89	ng	94
48) Acenaphthylene	9.44	152	267063	9.99	ng	98
51) Acenaphthene	9.61	154	535562	34.06	ng	98
54) Dibenzofuran	9.78	168	46438	2.02	ng	# 73
55) 4-Nitrophenol	9.69	139	9266	2.90	ng	# 1
57) Fluorene	10.12	166	303662	16.69	ng	98
70) Phenanthrene	11.15	178	1550753	60.53	ng	97
71) Anthracene	11.21	178	537686	20.85	ng	99
74) Fluoranthene	12.66	202	1110566	41.82	ng	94
77) Pyrene	12.97	202	1595666	73.72	ng	98
80) Benzo(a)anthracene	14.77	228	490896	25.85	ng	95
82) Chrysene	14.77	228	494216	26.94	ng	98
85) Indeno(1,2,3-cd)pyrene	18.18	276	461242	34.52	ng	94
87) Benzo(b)fluoranthene	16.29	252	952303	47.38	ng	99
88) Benzo(k)fluoranthene	16.29	252	952303	50.18	ng	# 96
89) Benzo(a)pyrene	16.73	252	712867	41.29	ng	# 96
90) Dibenz(a,h)anthracene	18.20	278	104557	6.95	ng	98
91) Benzo(g,h,i)perylene	18.56	276	553410	37.48	ng	98

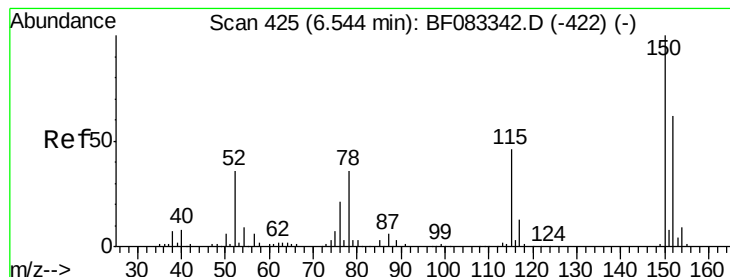
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.53 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

Instrument :

BNA_F

ClientSampleId :

DUP1-112415

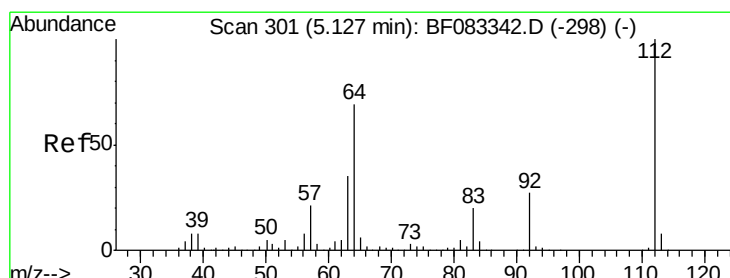
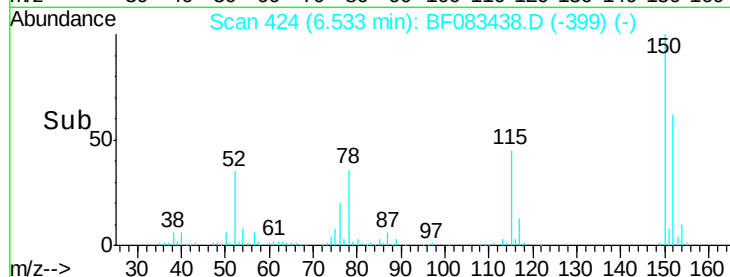
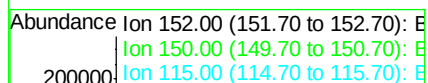
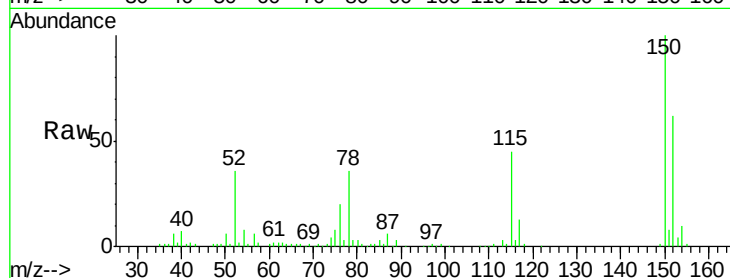
Tgt Ion:152 Resp: 133342

Ion Ratio Lower Upper

152 100

150 161.8 129.8 194.8

115 73.2 59.2 88.8



#5

2-Fluorophenol

Concen: 5.32 ng

RT: 5.14 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

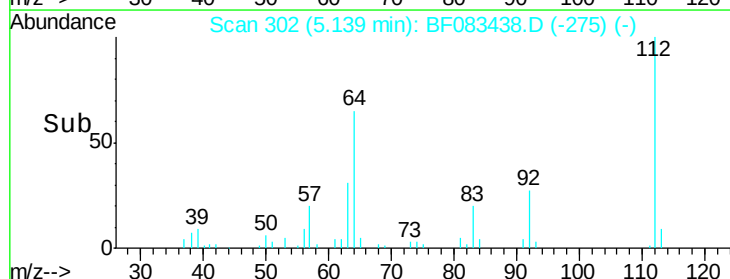
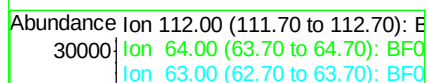
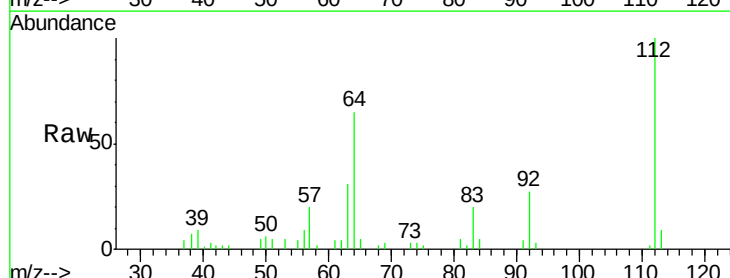
Tgt Ion:112 Resp: 47236

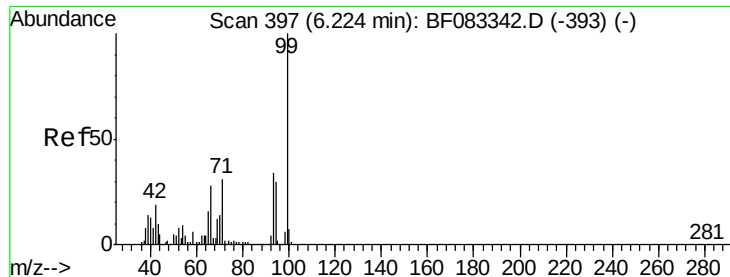
Ion Ratio Lower Upper

112 100

64 64.8 55.6 83.4

63 30.5 28.2 42.2





#7

Phenol-d6

Concen: 6.35 ng

RT: 6.22 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

Instrument :

BNA_F

ClientSampleId :

DUP1-112415

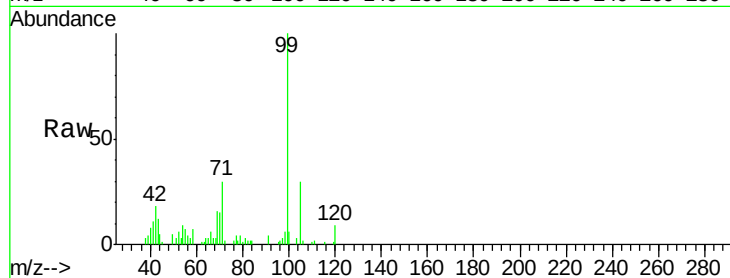
Tgt Ion: 99 Resp: 77200

Ion Ratio Lower Upper

99 100

42 18.3 14.9 22.3

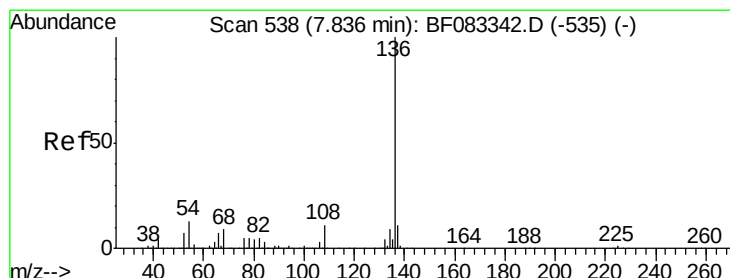
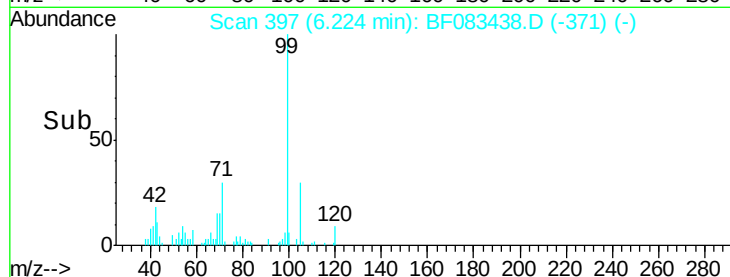
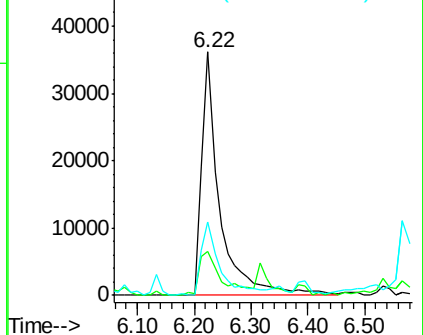
71 30.4 24.7 37.1



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

Tgt Ion: 136 Resp: 529943

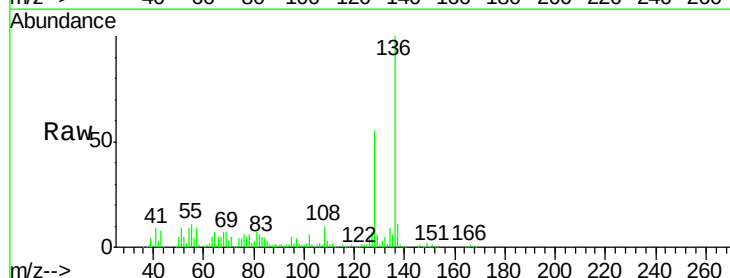
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 8.7 10.1 15.1#

68 6.7 7.1 10.7#

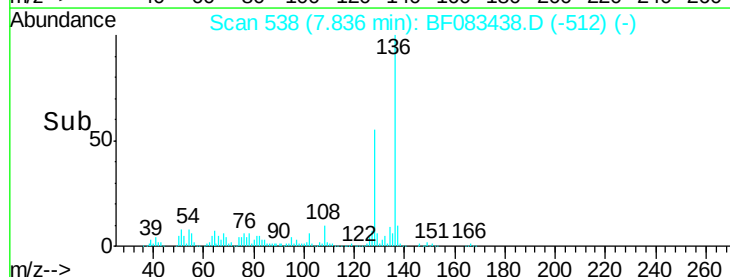
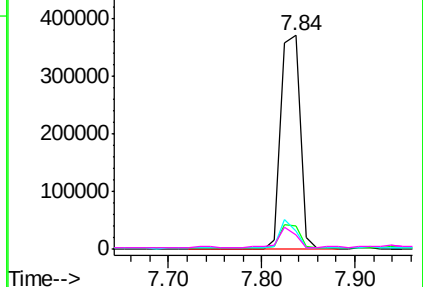


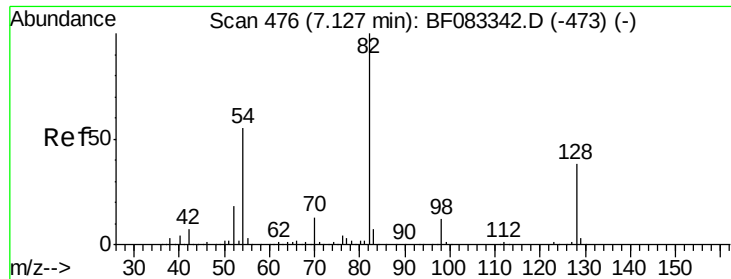
Abundance Ion 136.00 (135.70 to 136.70): E

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

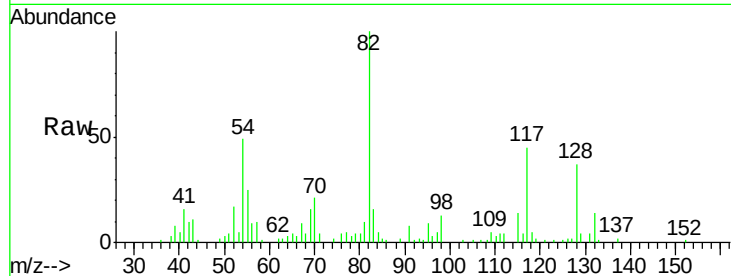




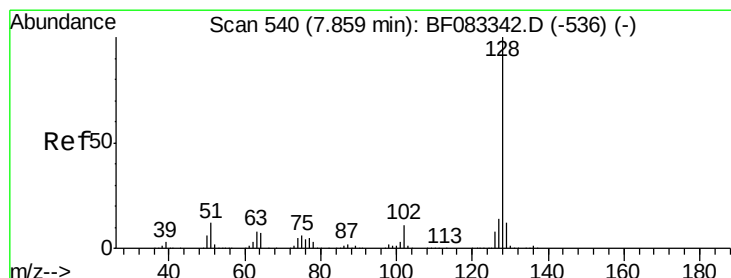
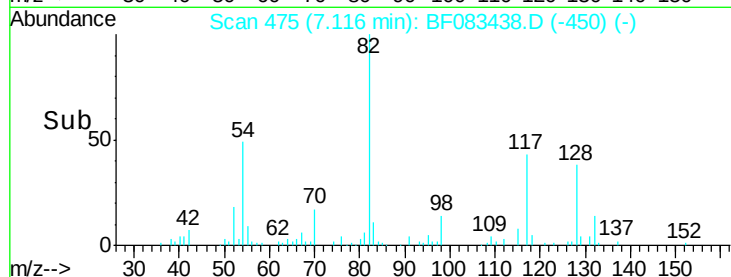
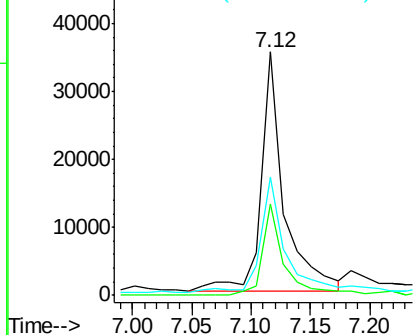
#23
Nitrobenzene-d5
Concen: 3.93 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.01 min
Lab File: BF083438.D
Acq: 3 Dec 2015 2:19

Instrument :
BNA_F
ClientSampleId :
DUP1-112415

Tgt Ion: 82 Resp: 47356
Ion Ratio Lower Upper
82 100
128 37.5 30.6 46.0
54 48.8 43.8 65.6

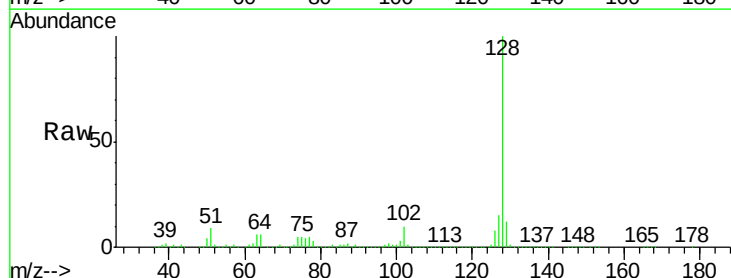


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

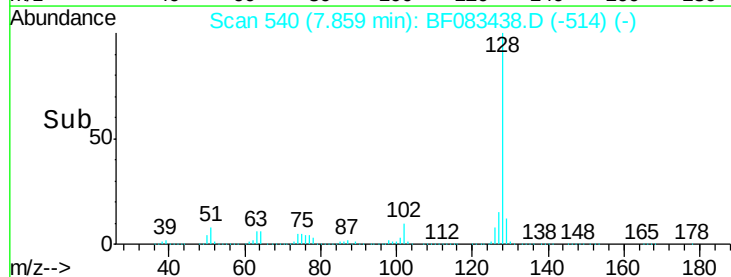
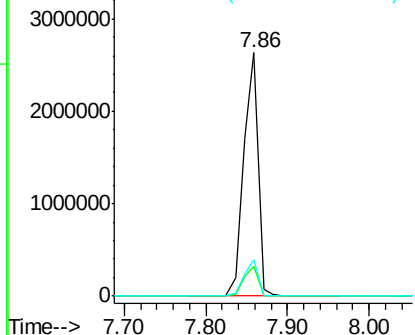


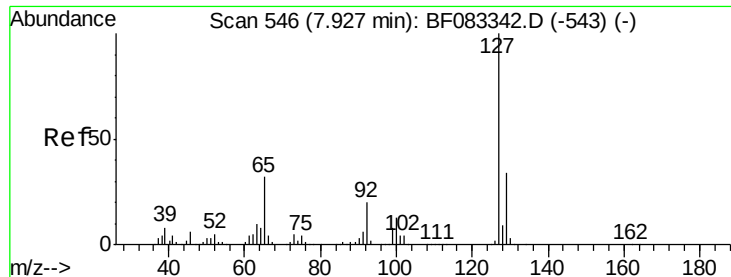
#31
Naphthalene
Concen: 111.14 ng
RT: 7.86 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF083438.D
Acq: 3 Dec 2015 2:19

Tgt Ion: 128 Resp: 3195686
Ion Ratio Lower Upper
128 100
129 12.3 9.7 14.5
127 14.8 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

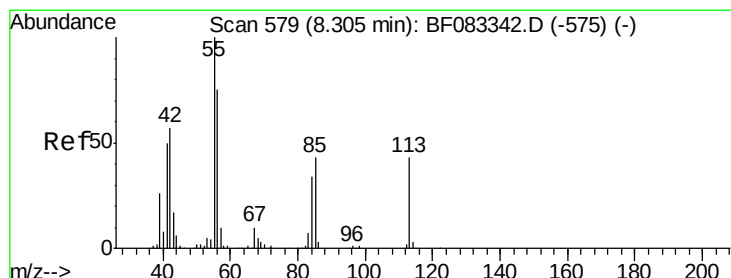
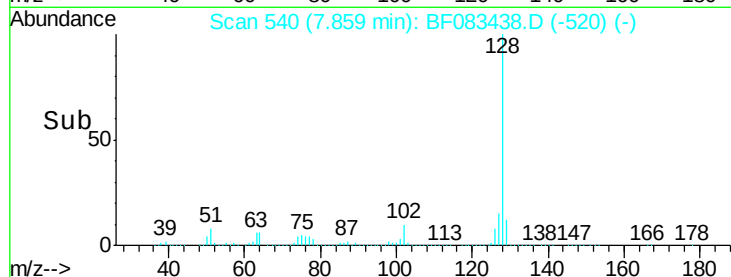
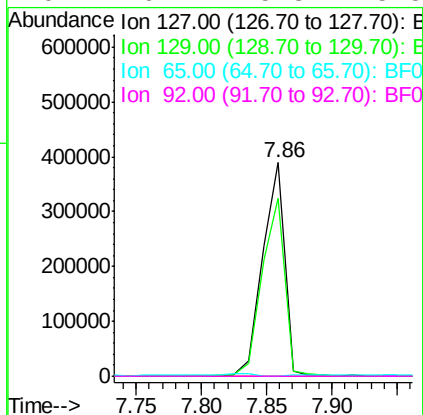
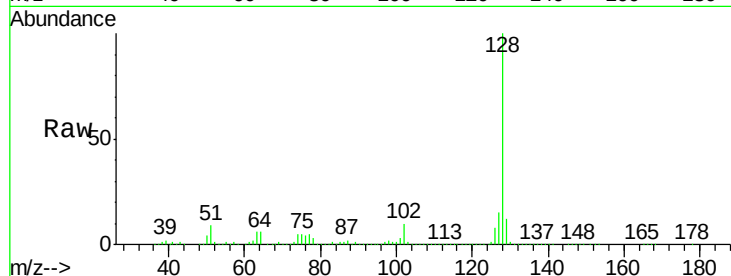




#33
4-Chloroaniline
Concen: 37.03 ng
RT: 7.86 min Scan# 540
Delta R.T. -0.07 min
Lab File: BF083438.D
Acq: 3 Dec 2015 2:19

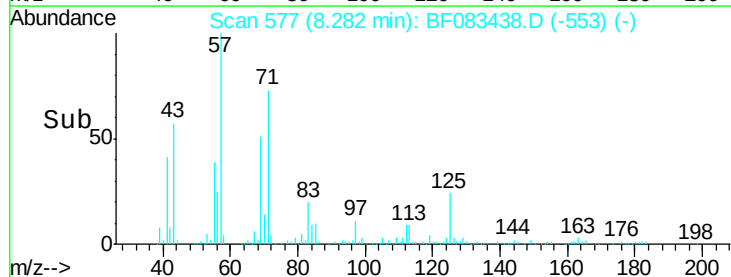
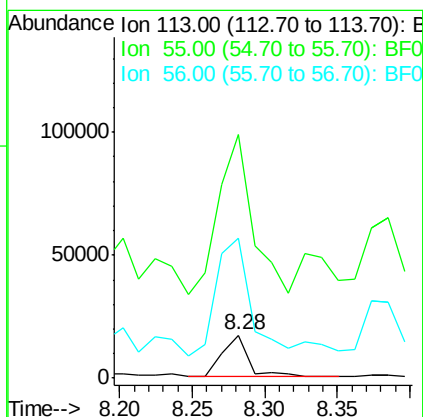
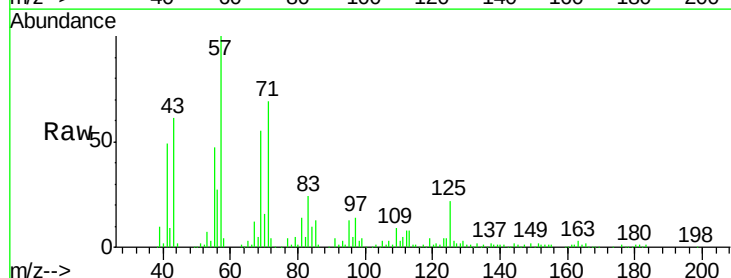
Instrument :
BNA_F
ClientSampleId :
DUP1-112415

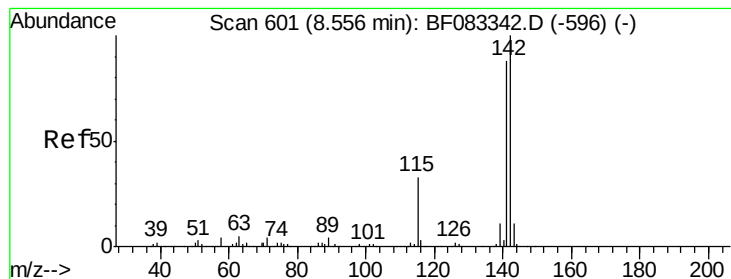
Tgt Ion:	127	Resp:	458945
Ion	Ratio	Lower	Upper
127	100		
129	83.0	27.0	40.4#
65	0.0	25.9	38.9#
92	0.2	15.8	23.8#



#35
Caprolactam
Concen: 8.13 ng
RT: 8.28 min Scan# 577
Delta R.T. -0.02 min
Lab File: BF083438.D
Acq: 3 Dec 2015 2:19

Tgt Ion:	113	Resp:	21774
Ion	Ratio	Lower	Upper
113	100		
55	562.5	211.6	251.6#
56	322.4	153.0	193.0#





#37

2-Methylnaphthalene

Concen: 23.69 ng

RT: 8.54 min Scan# 600

Delta R.T. -0.01 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

Instrument :

BNA_F

ClientSampleId :

DUP1-112415

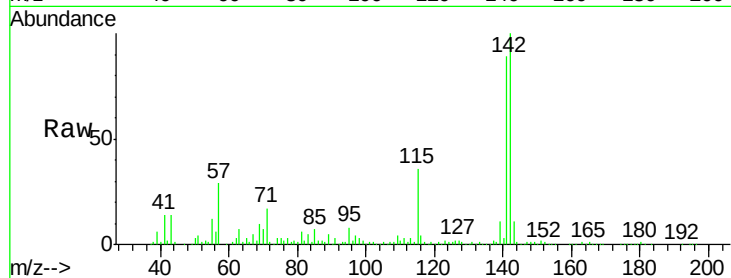
Tgt Ion:142 Resp: 455270

Ion Ratio Lower Upper

142 100

141 88.5 70.6 105.8

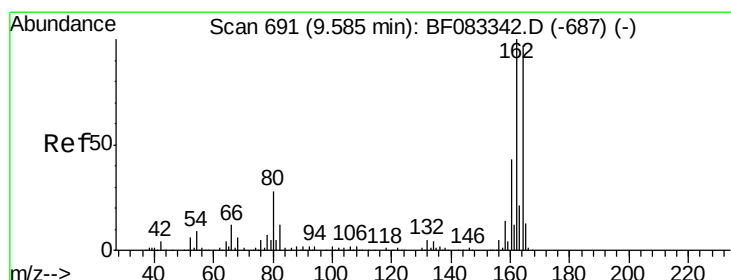
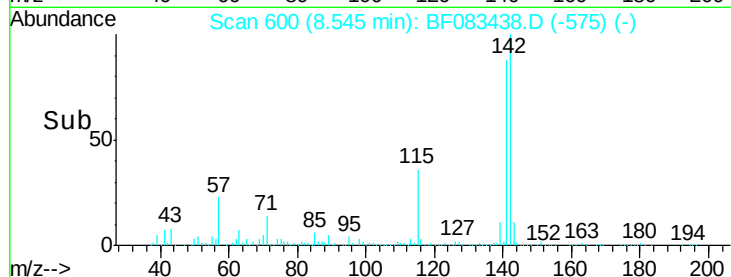
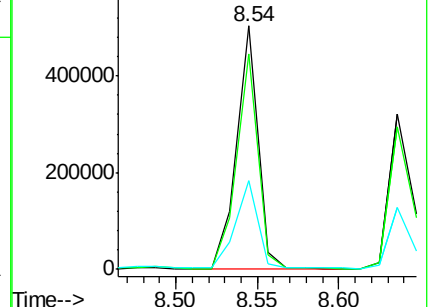
115 36.4 26.2 39.2



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: 9.57 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

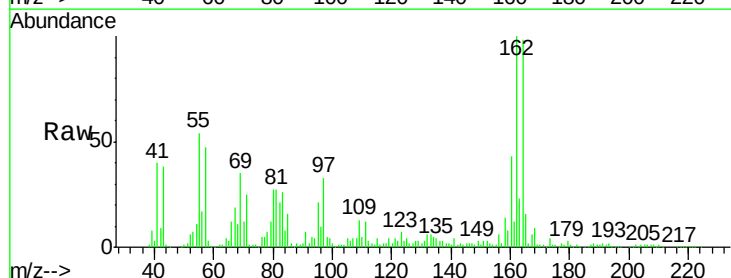
Tgt Ion:164 Resp: 250793

Ion Ratio Lower Upper

164 100

162 102.1 82.6 123.8

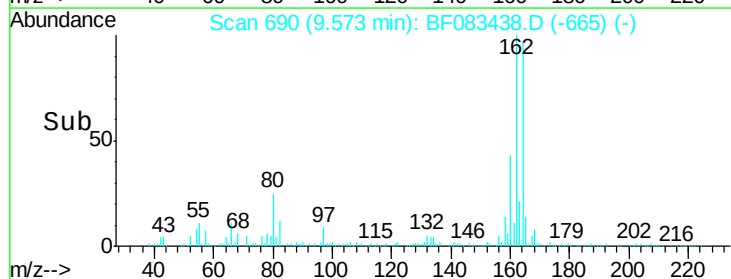
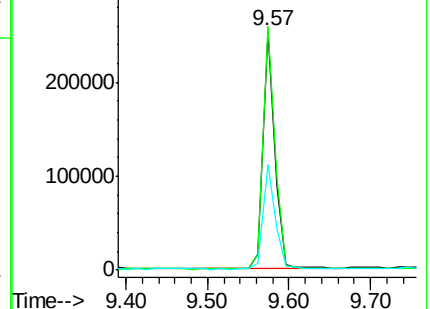
160 44.2 35.3 52.9

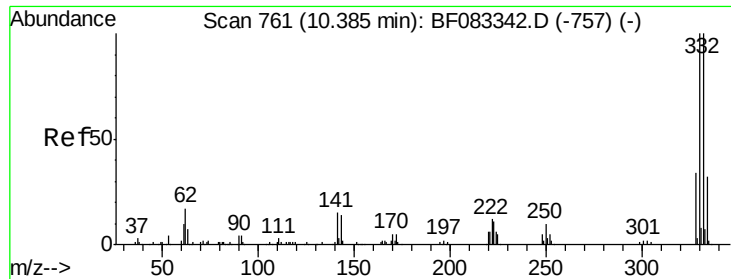


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

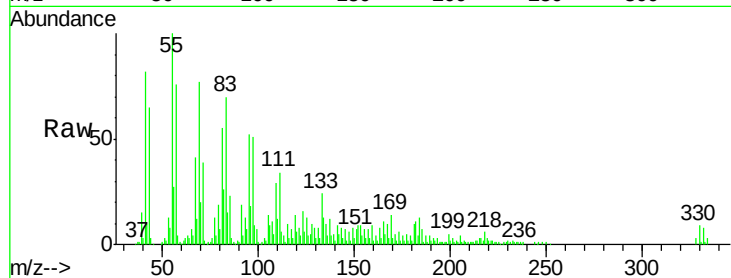




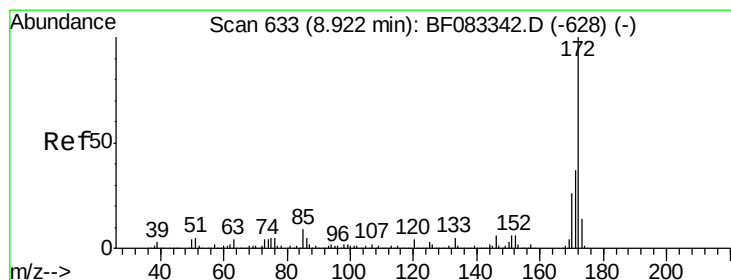
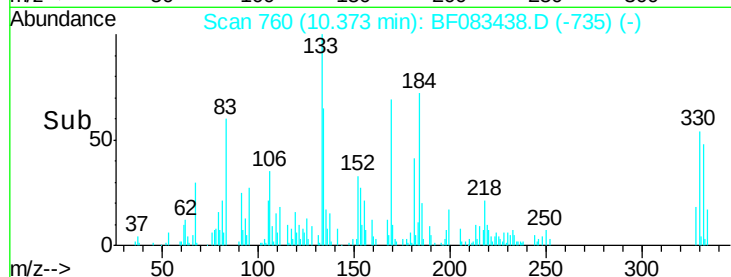
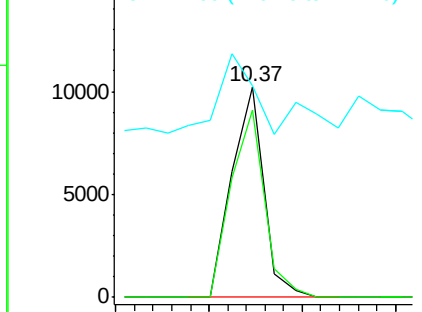
#41
 2,4,6-Tribromophenol
 Concen: 4.85 ng
 RT: 10.37 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF083438.D
 Acq: 3 Dec 2015 2:19

Instrument :
 BNA_F
 ClientSampleId :
 DUP1-112415

Tgt Ion:330 Resp: 12203
 Ion Ratio Lower Upper
 330 100
 332 93.9 77.8 116.6
 141 40.7 29.4 44.0

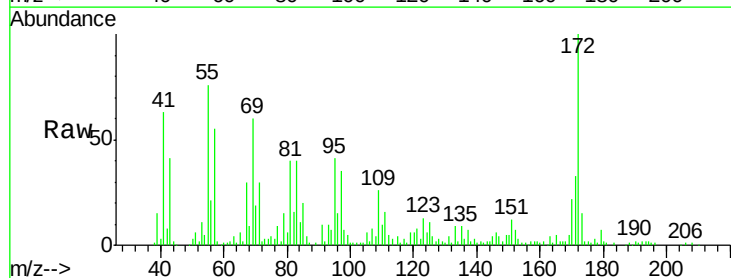


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

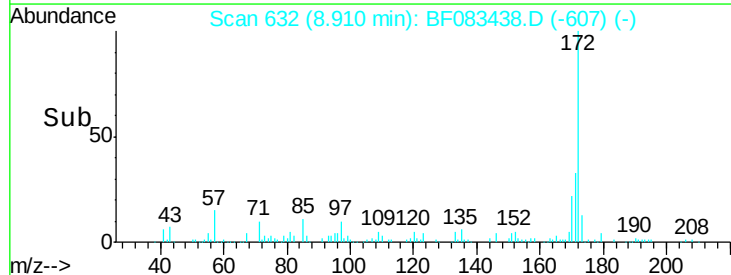
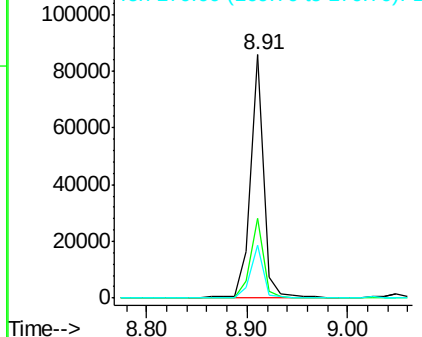


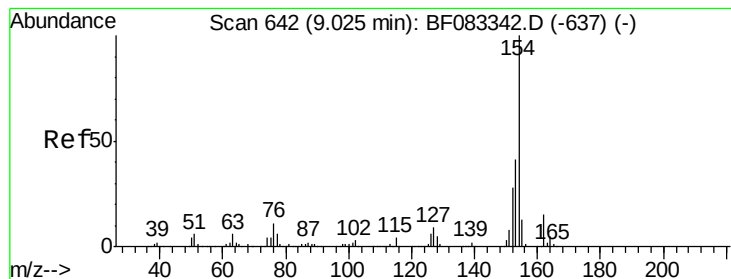
#44
 2-Fluorobiphenyl
 Concen: 4.50 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083438.D
 Acq: 3 Dec 2015 2:19

Tgt Ion:172 Resp: 79132
 Ion Ratio Lower Upper
 172 100
 171 32.7 29.4 44.0
 170 21.9 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: 6.89 ng

RT: 9.00 min Scan# 640

Delta R.T. -0.02 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

Instrument :

BNA_F

ClientSampleId :

DUP1-112415

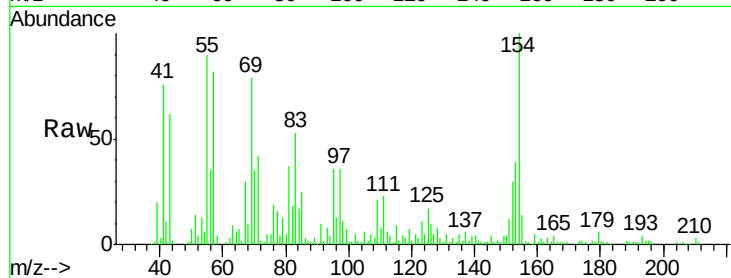
Tgt Ion:154 Resp: 151545

Ion Ratio Lower Upper

154 100

153 39.2 20.6 60.6

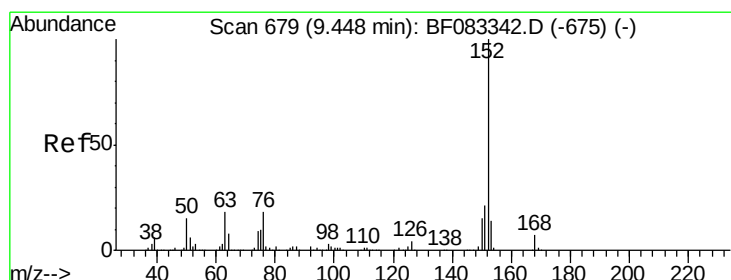
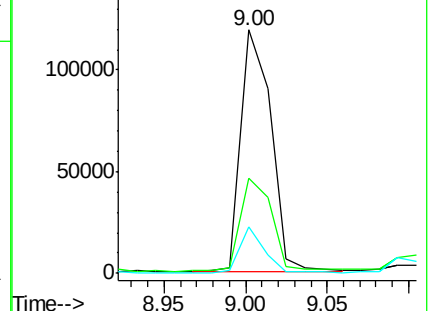
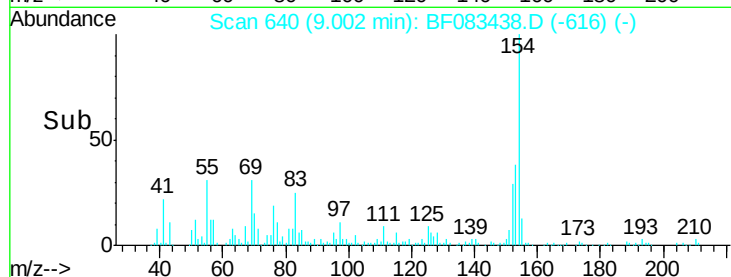
76 18.9 0.0 30.5



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: 9.99 ng

RT: 9.44 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

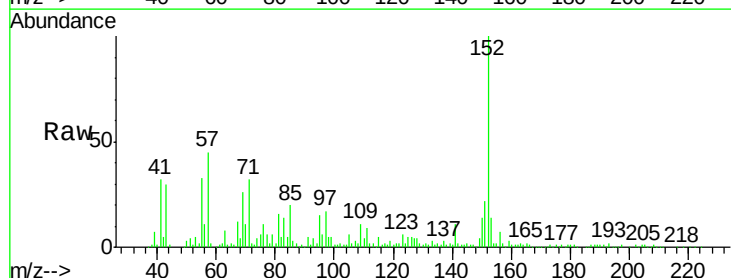
Tgt Ion:152 Resp: 267063

Ion Ratio Lower Upper

152 100

151 22.4 16.7 25.1

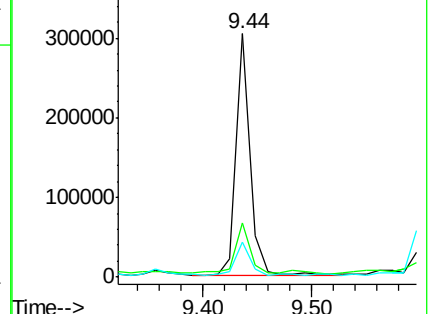
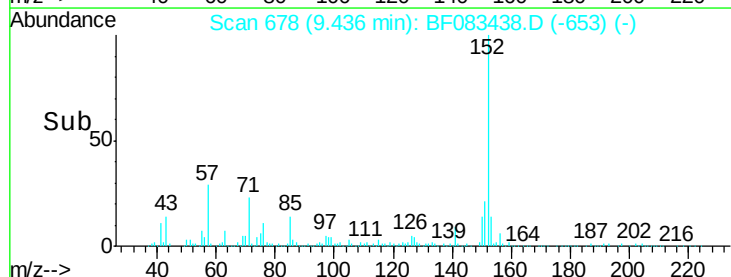
153 14.5 11.2 16.8

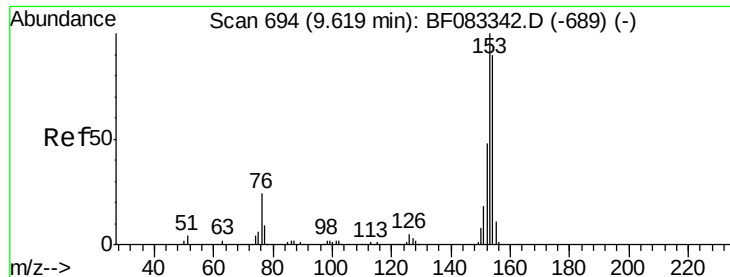


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 34.06 ng

RT: 9.61 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

Instrument :

BNA_F

ClientSampleId :

DUP1-112415

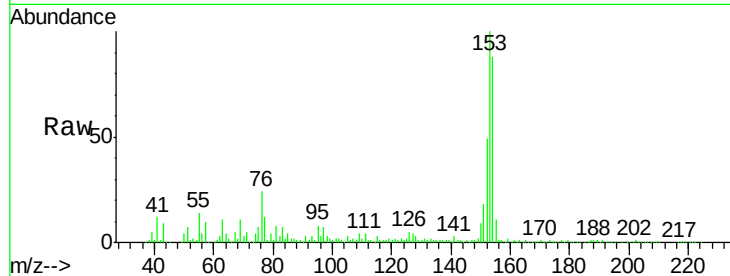
Tgt Ion:154 Resp: 535562

Ion Ratio Lower Upper

154 100

153 113.1 89.3 133.9

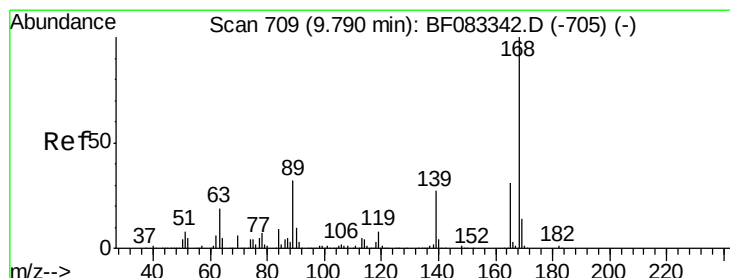
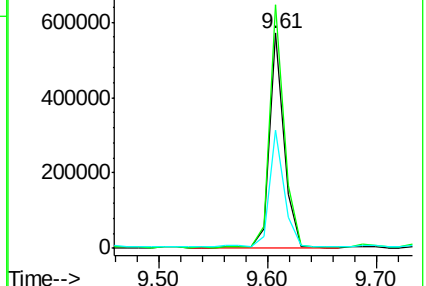
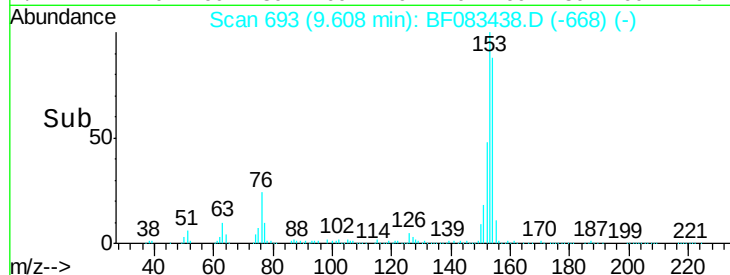
152 55.0 42.5 63.7



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: 2.02 ng

RT: 9.78 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

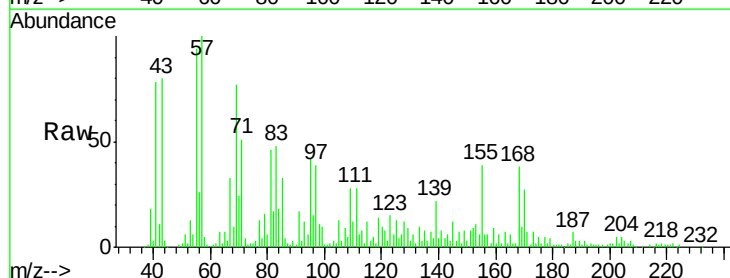
Tgt Ion:168 Resp: 46438

Ion Ratio Lower Upper

168 100

139 57.1 32.7 49.1#

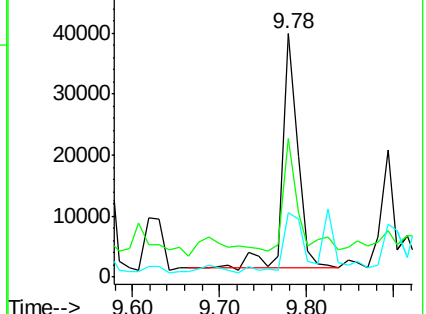
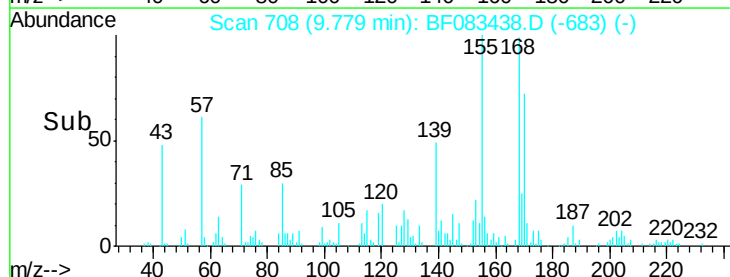
169 26.3 11.1 16.7#

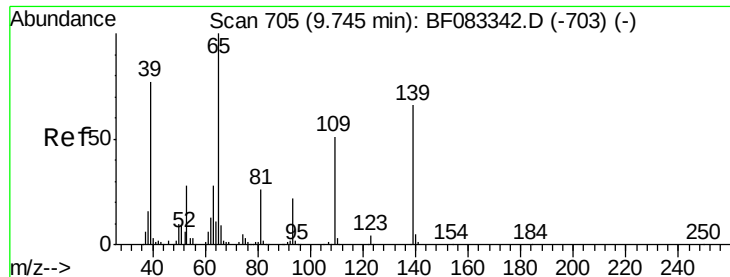


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 2.90 ng

RT: 9.69 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

Instrument :

BNA_F

ClientSampleId :

DUP1-112415

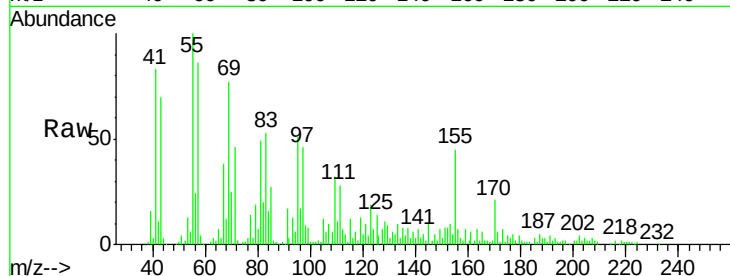
Tgt Ion:139 Resp: 9266

Ion Ratio Lower Upper

139 100

109 511.5 57.4 97.4#

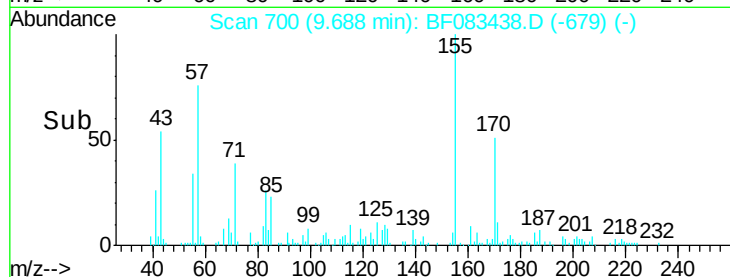
65 117.2 131.6 171.6#



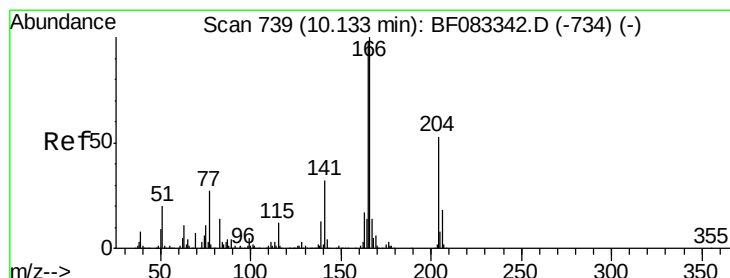
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



Time-->



#57

Fluorene

Concen: 16.69 ng

RT: 10.12 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

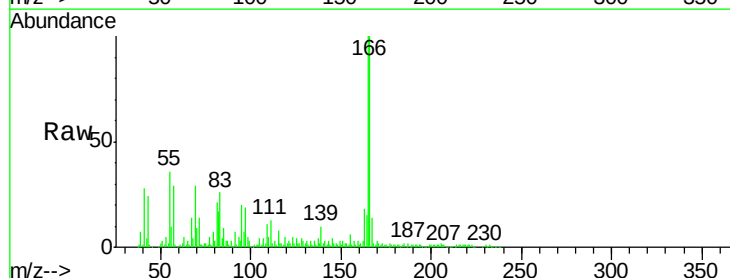
Tgt Ion:166 Resp: 303662

Ion Ratio Lower Upper

166 100

165 100.4 78.3 117.5

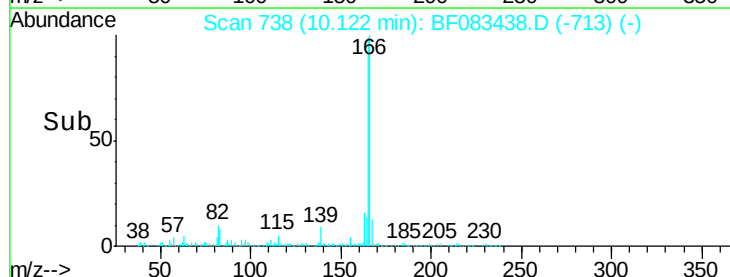
167 14.5 11.1 16.7



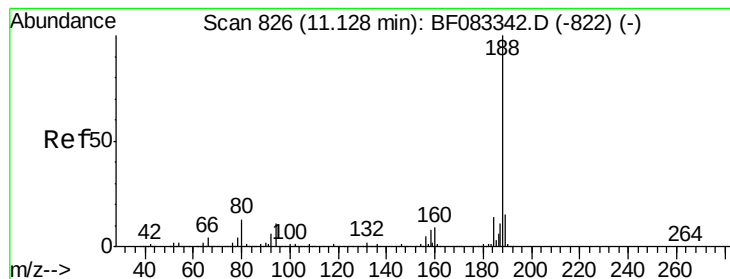
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

Instrument :

BNA_F

ClientSampleId :

DUP1-112415

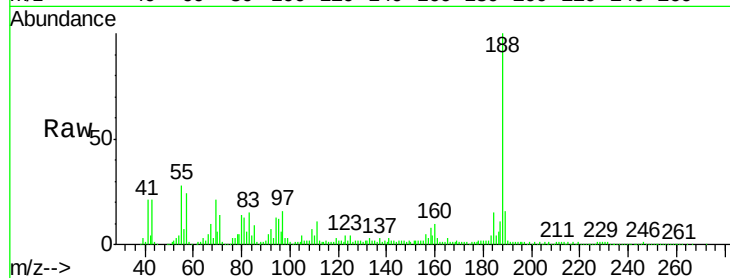
Tgt Ion:188 Resp: 432909

Ion Ratio Lower Upper

188 100

94 12.7 8.7 13.1

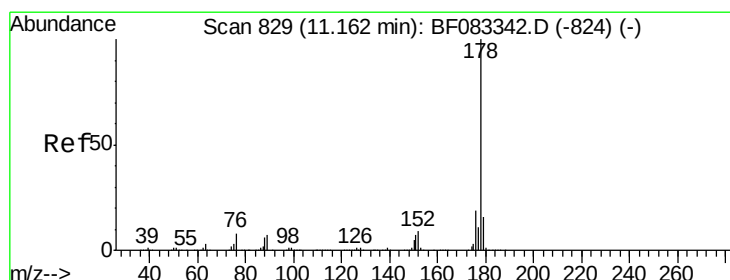
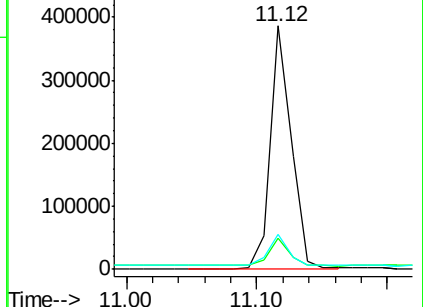
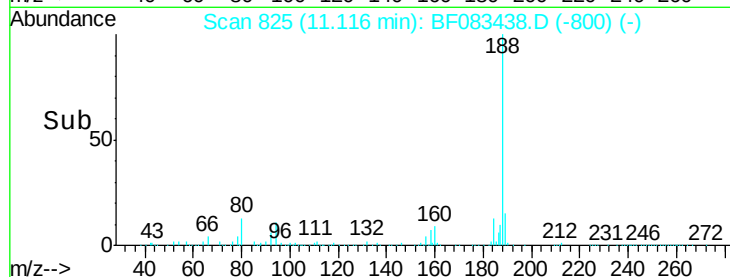
80 14.4 10.3 15.5



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: 60.53 ng

RT: 11.15 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

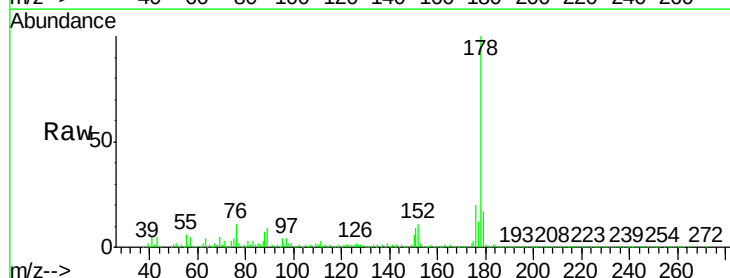
Tgt Ion:178 Resp: 1550753

Ion Ratio Lower Upper

178 100

176 20.3 15.3 22.9

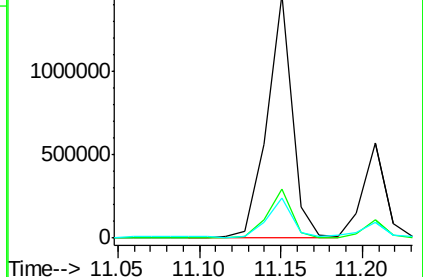
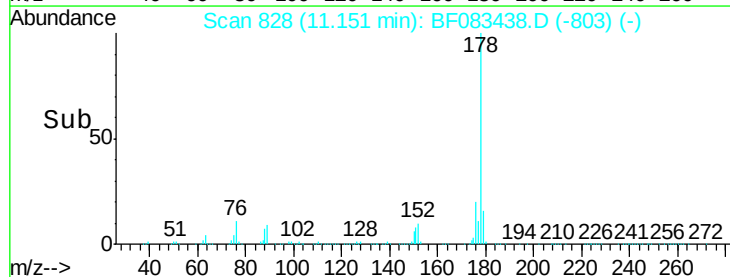
179 16.6 12.4 18.6

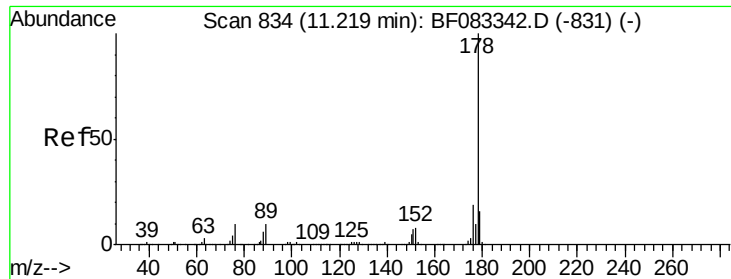


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

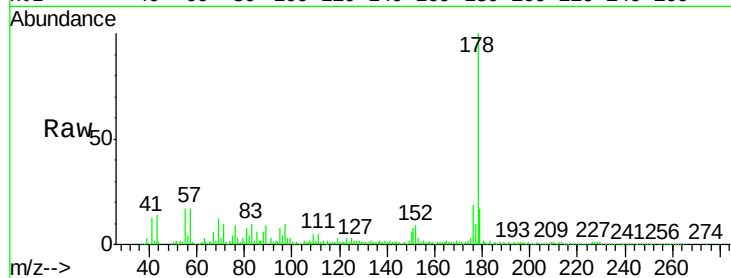




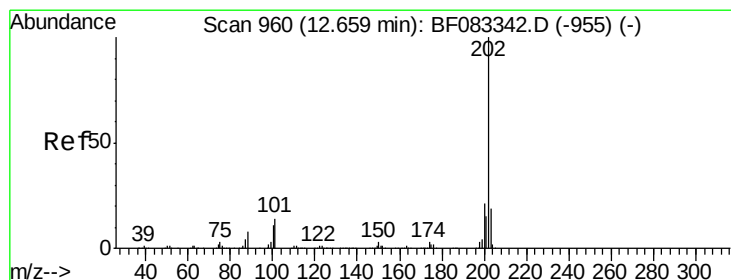
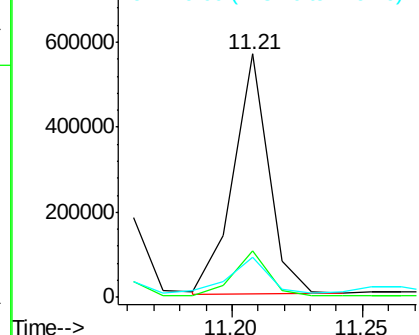
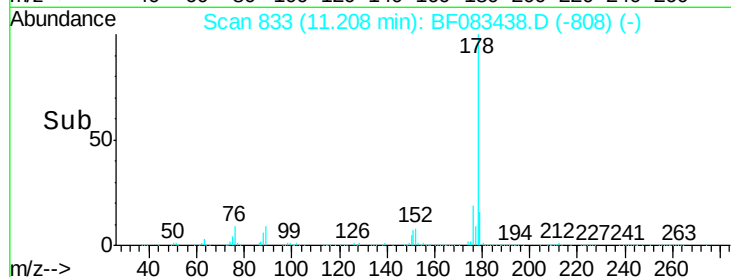
#71
 Anthracene
 Concen: 20.85 ng
 RT: 11.21 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF083438.D
 Acq: 3 Dec 2015 2:19

Instrument :
 BNA_F
 ClientSampleId :
 DUP1-112415

Tgt Ion:178 Resp: 537686
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.6 23.4
 179 16.6 12.8 19.2

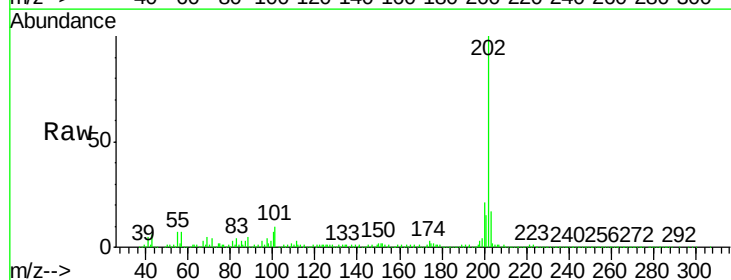


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

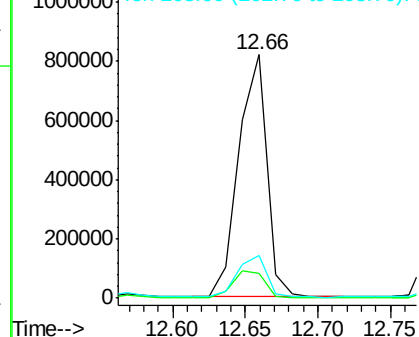
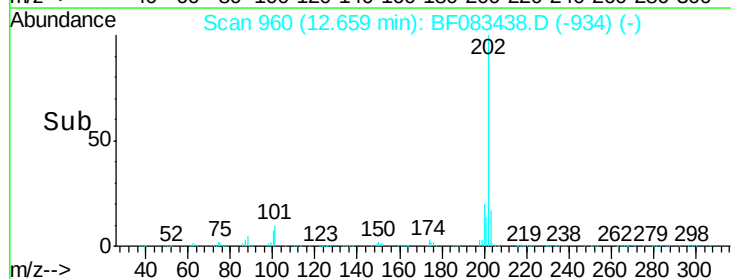


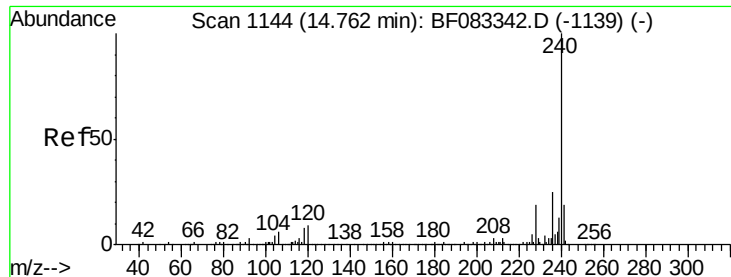
#74
 Fluoranthene
 Concen: 41.82 ng
 RT: 12.66 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: BF083438.D
 Acq: 3 Dec 2015 2:19

Tgt Ion:202 Resp: 1110566
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 34.5
 203 17.5 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: BF083438.D

Acq: 3 Dec 2015 2:19

Instrument :

BNA_F

ClientSampleId :

DUP1-112415

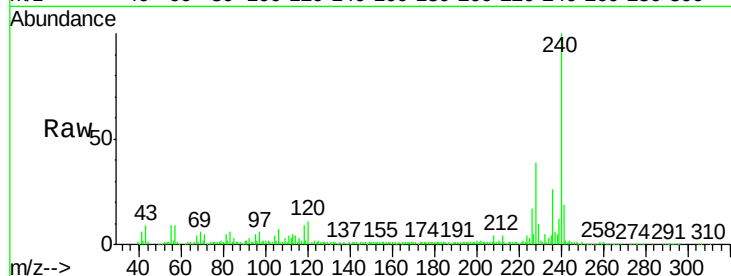
Tgt Ion:240 Resp: 309940

Ion Ratio Lower Upper

240 100

120 10.9 6.9 10.3#

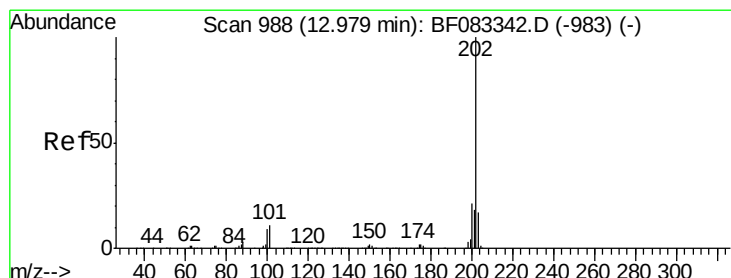
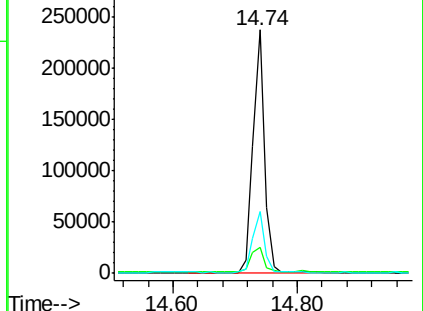
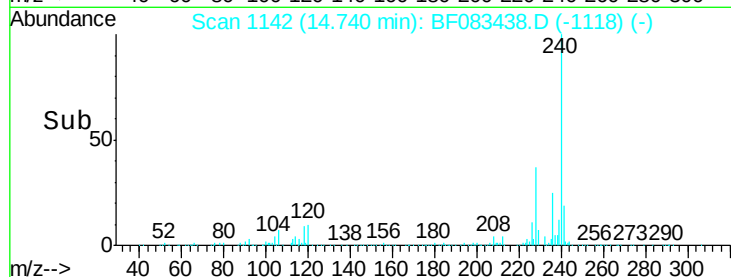
236 25.5 19.8 29.6



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: 73.72 ng

RT: 12.97 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

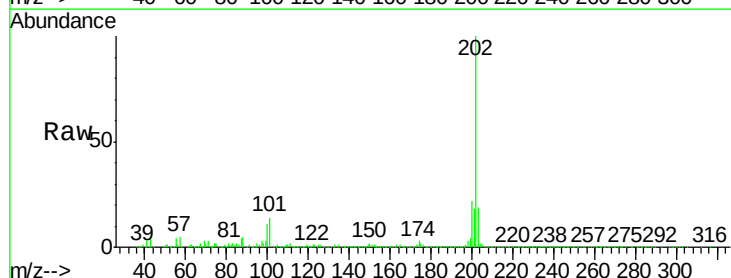
Tgt Ion:202 Resp: 1595666

Ion Ratio Lower Upper

202 100

200 21.9 16.9 25.3

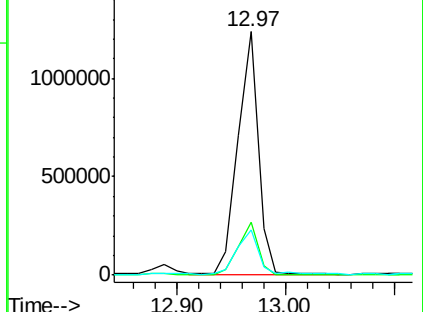
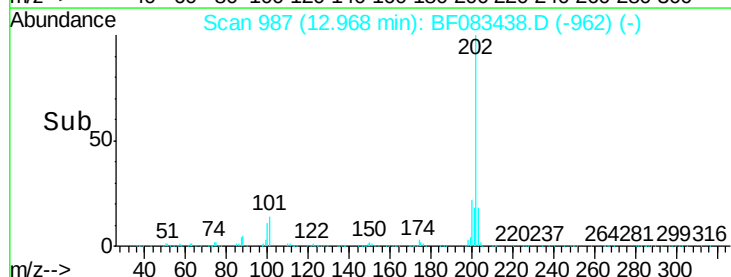
203 18.5 13.9 20.9

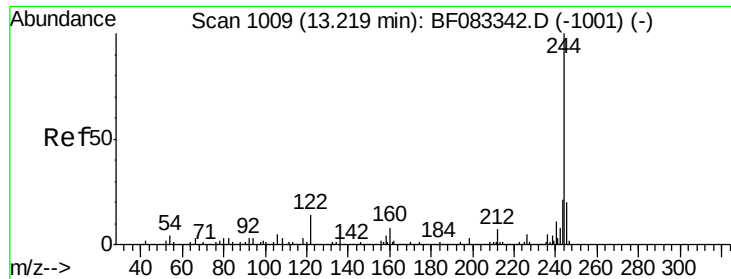


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.52 ng

RT: 13.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

Instrument :

BNA_F

ClientSampleId :

DUP1-112415

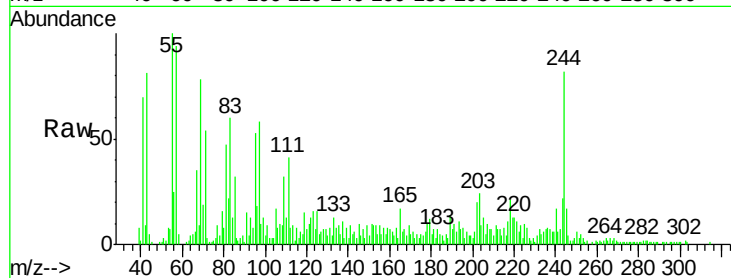
Tgt Ion:244 Resp: 58706

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

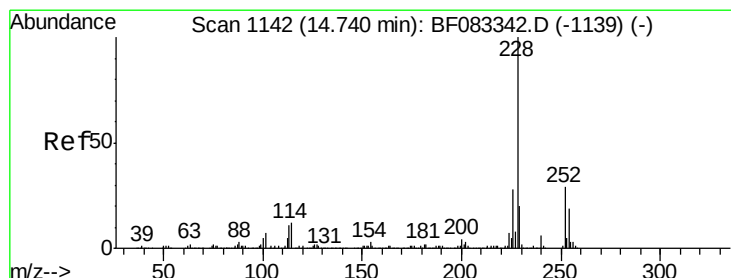
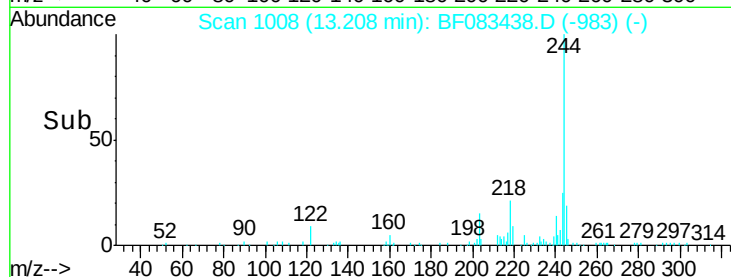
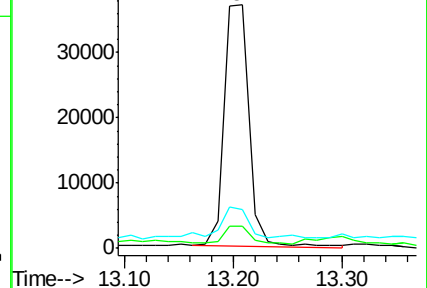
122 15.7 11.0 16.4



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: 25.85 ng

RT: 14.77 min Scan# 1145

Delta R.T. 0.03 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

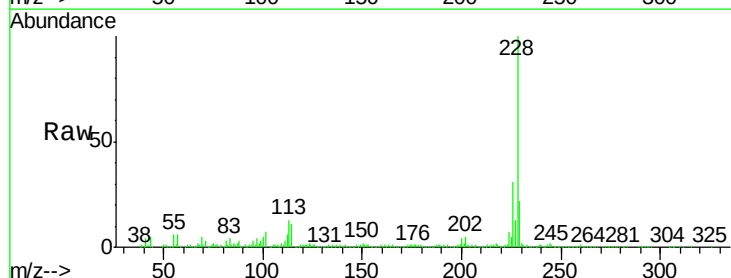
Tgt Ion:228 Resp: 490896

Ion Ratio Lower Upper

228 100

226 30.9 22.2 33.4

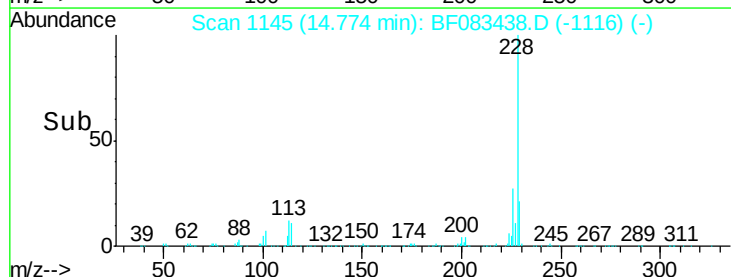
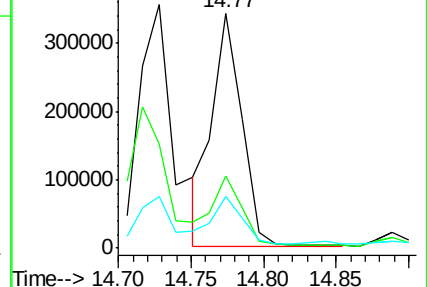
229 21.9 16.1 24.1

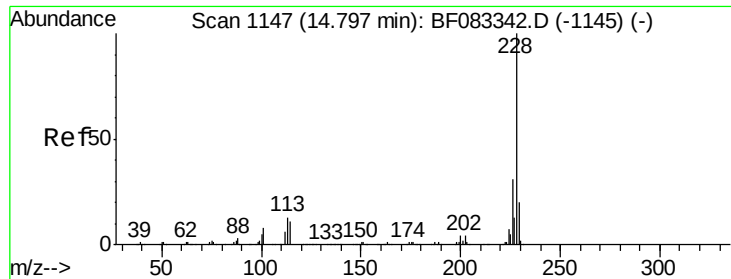


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 26.94 ng

RT: 14.77 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

Instrument :

BNA_F

ClientSampleId :

DUP1-112415

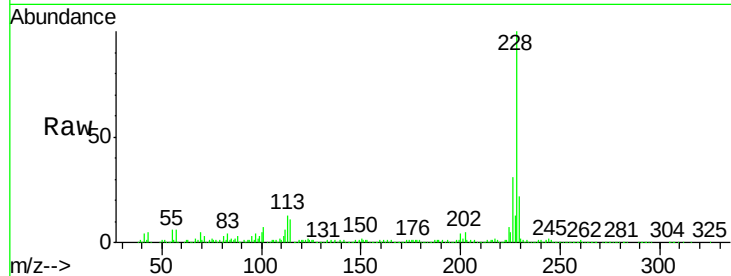
Tgt Ion:228 Resp: 494216

Ion Ratio Lower Upper

228 100

226 30.9 24.6 37.0

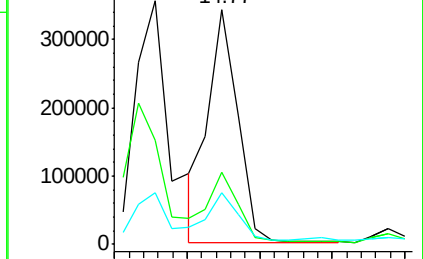
229 21.9 16.2 24.2



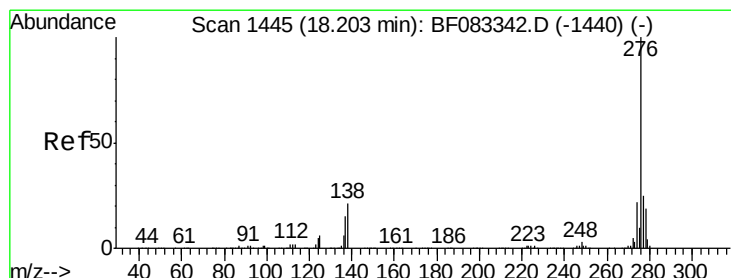
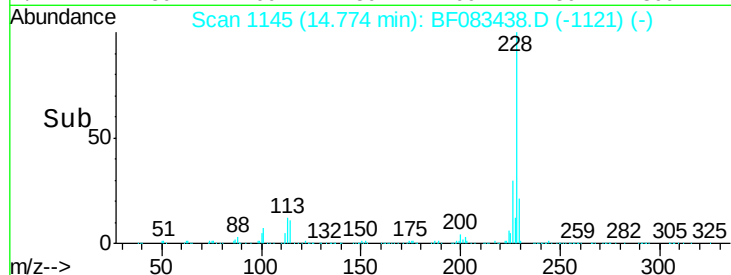
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 14.70 14.75 14.80 14.85



#85

Indeno(1,2,3-cd)pyrene

Concen: 34.52 ng

RT: 18.18 min Scan# 1443

Delta R.T. -0.02 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

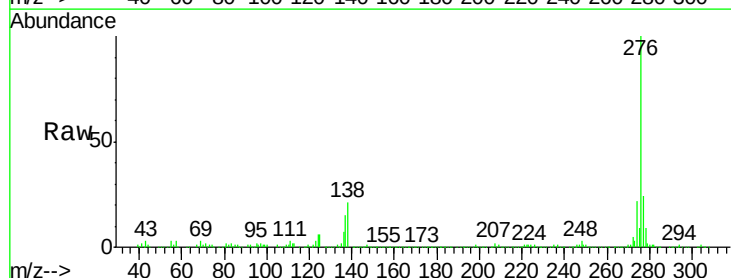
Tgt Ion:276 Resp: 461242

Ion Ratio Lower Upper

276 100

138 22.0 21.2 31.8

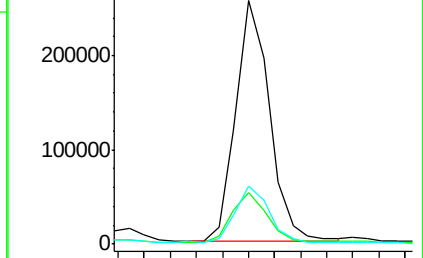
277 23.2 20.0 30.0



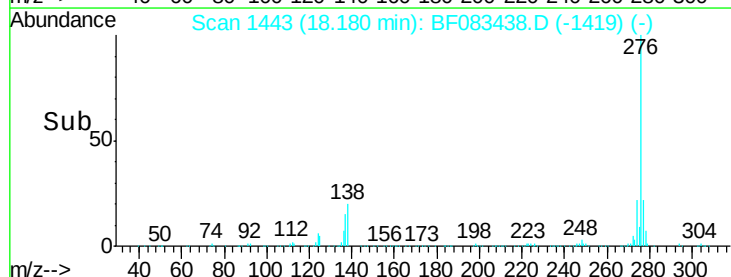
Abundance Ion 276.00 (275.70 to 276.70): E

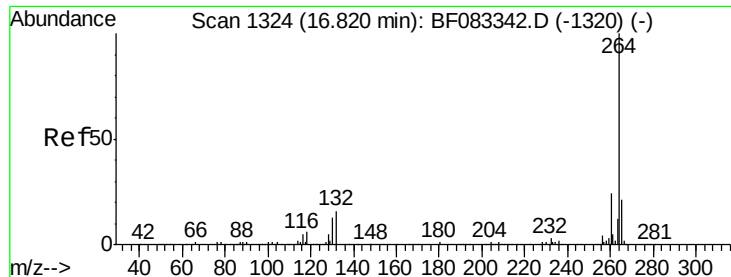
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time--> 18.10 18.20



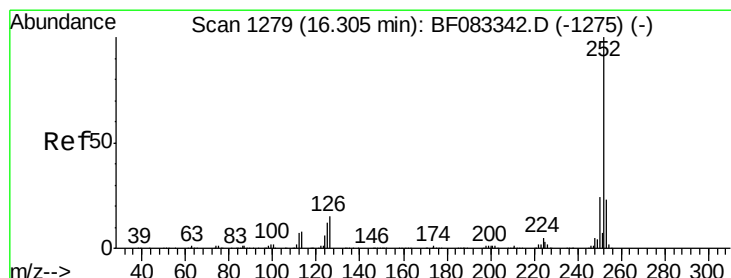
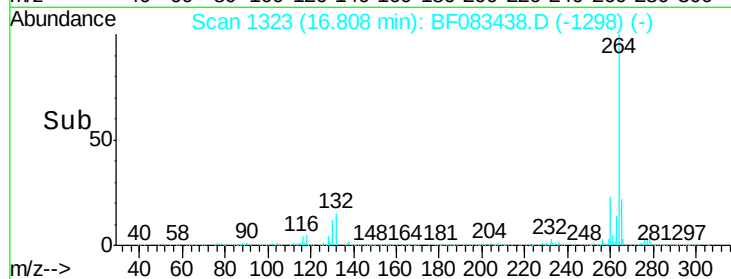
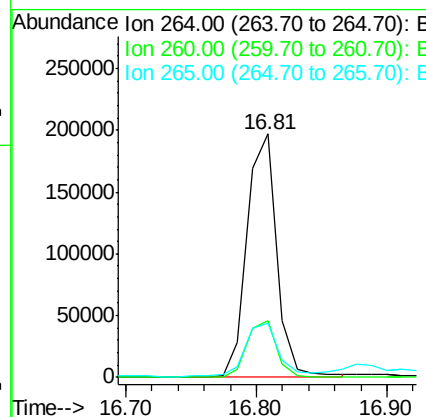
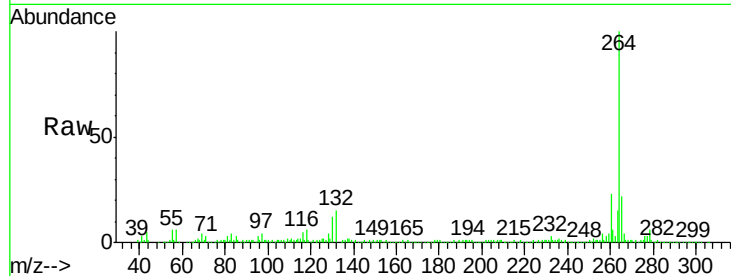


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.81 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF083438.D
Acq: 3 Dec 2015 2:19

Instrument :
BNA_F
ClientSampleId :
DUP1-112415

Tgt Ion: 264 Resp: 313241

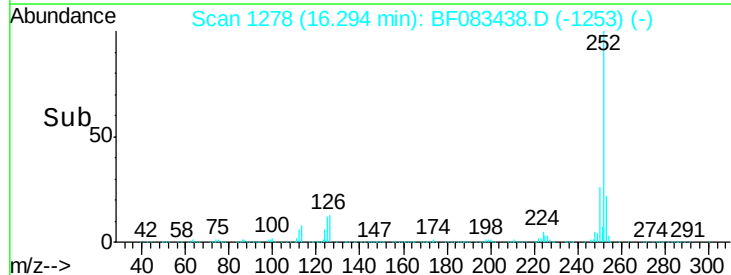
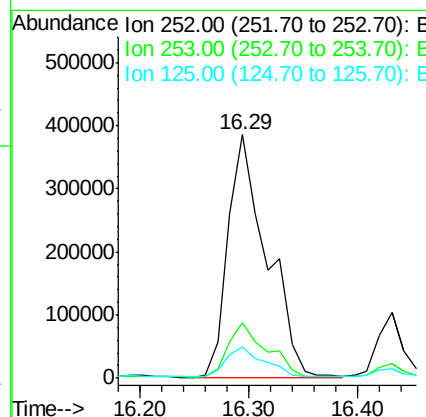
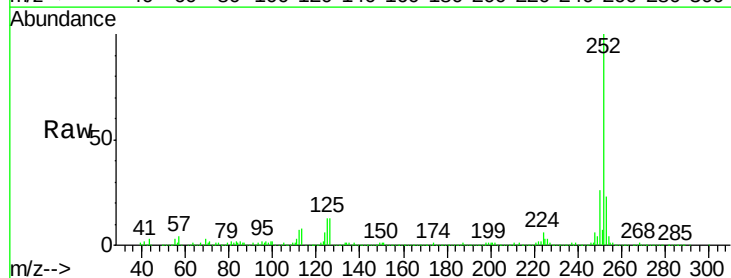
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	22.1	16.8	25.2

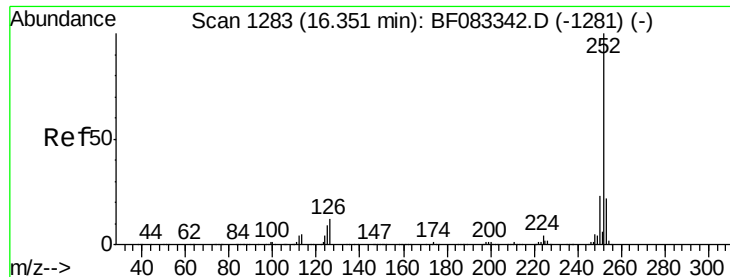


#87
Benzo(b)fluoranthene
Concen: 47.38 ng
RT: 16.29 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF083438.D
Acq: 3 Dec 2015 2:19

Tgt Ion: 252 Resp: 952303

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	12.6	9.6	14.4





#88

Benzo(k)fluoranthene

Concen: 50.18 ng

RT: 16.29 min Scan# 1278

Delta R.T. -0.06 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

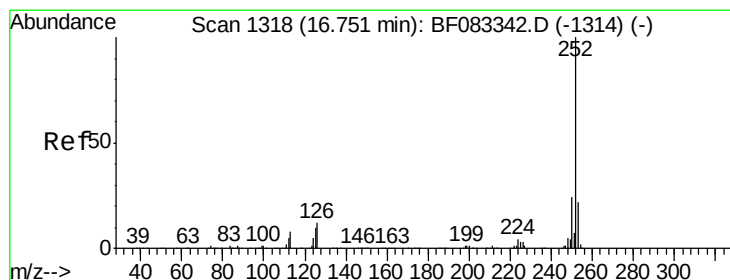
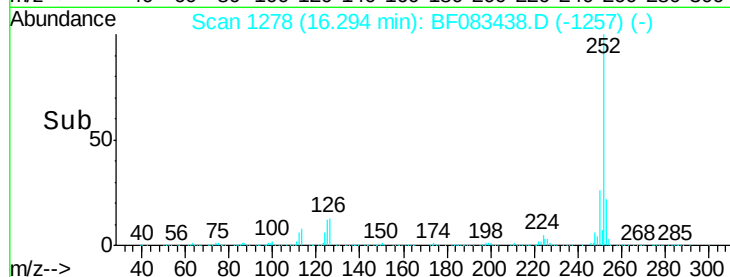
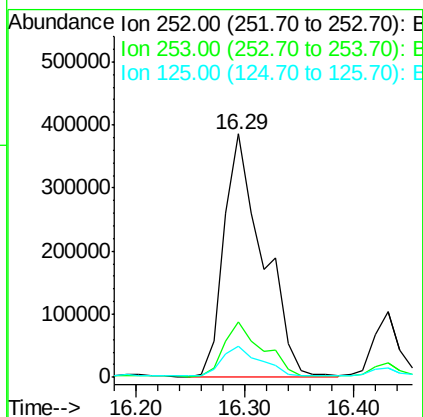
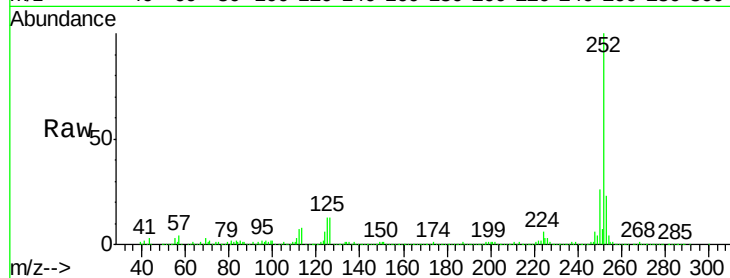
Instrument :

BNA_F

ClientSampleId :

DUP1-112415

Tgt Ion:	252	Resp:	952303
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.0
125	12.6	7.5	11.3#



#89

Benzo(a)pyrene

Concen: 41.29 ng

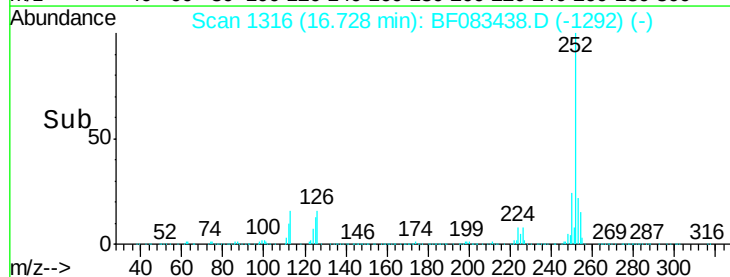
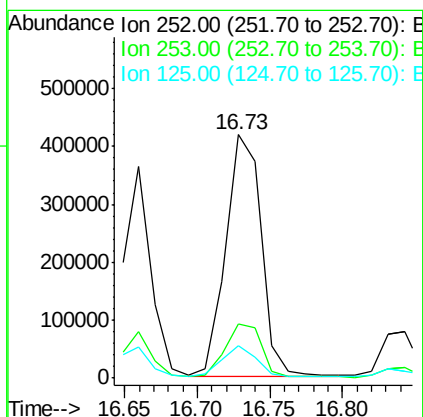
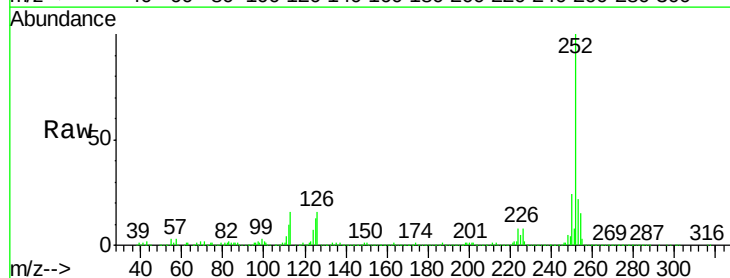
RT: 16.73 min Scan# 1316

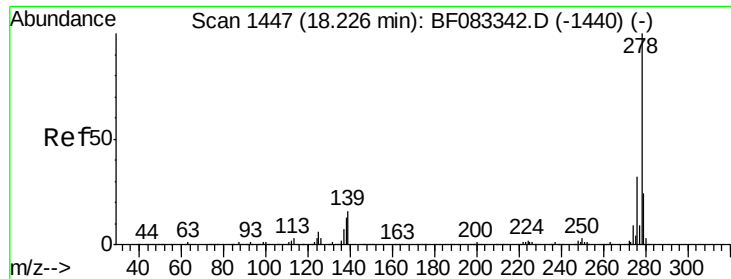
Delta R.T. -0.02 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

Tgt Ion:	252	Resp:	712867
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.5	26.3
125	13.4	7.8	11.8#





#90

Dibenzo(a,h)anthracene

Concen: 6.95 ng

RT: 18.20 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

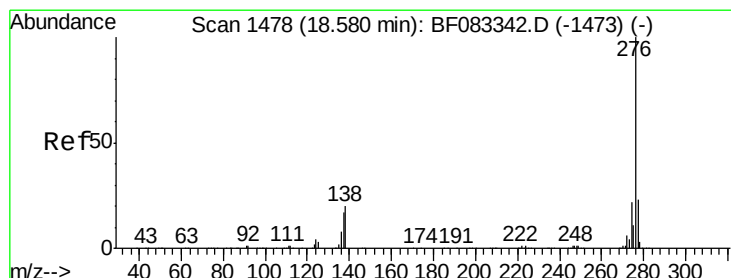
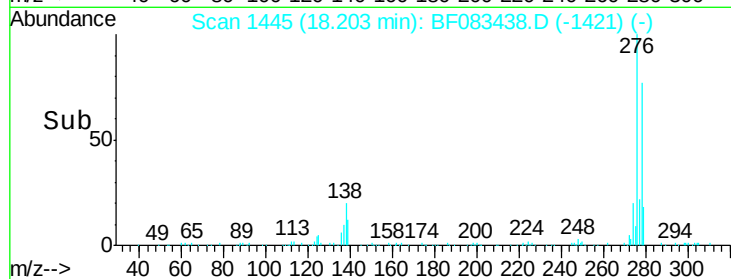
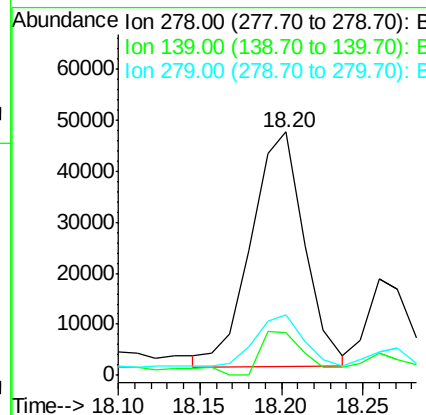
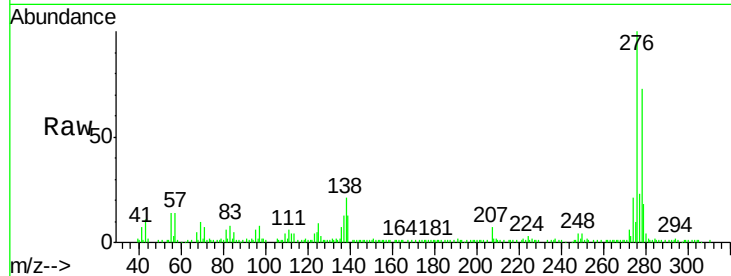
Instrument :

BNA_F

ClientSampleId :

DUP1-112415

Tgt Ion:	278	Resp:	104557
Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.1	19.7
279	25.0	19.2	28.8



#91

Benzo(g,h,i)perylene

Concen: 37.48 ng

RT: 18.56 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BF083438.D

Acq: 3 Dec 2015 2:19

Tgt Ion:	276	Resp:	553410
Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	21.6	16.1	24.1

