

Data Path : Z:\HPCHEM1\BNA_F\Data\BF120915\
 Data File : BF083670.D
 Acq On : 10 Dec 2015 7:14
 Operator : UM/IZ
 Sample : G4582-02DL 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-01(8-12.5)DL

Quant Time: Dec 10 12:14:48 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

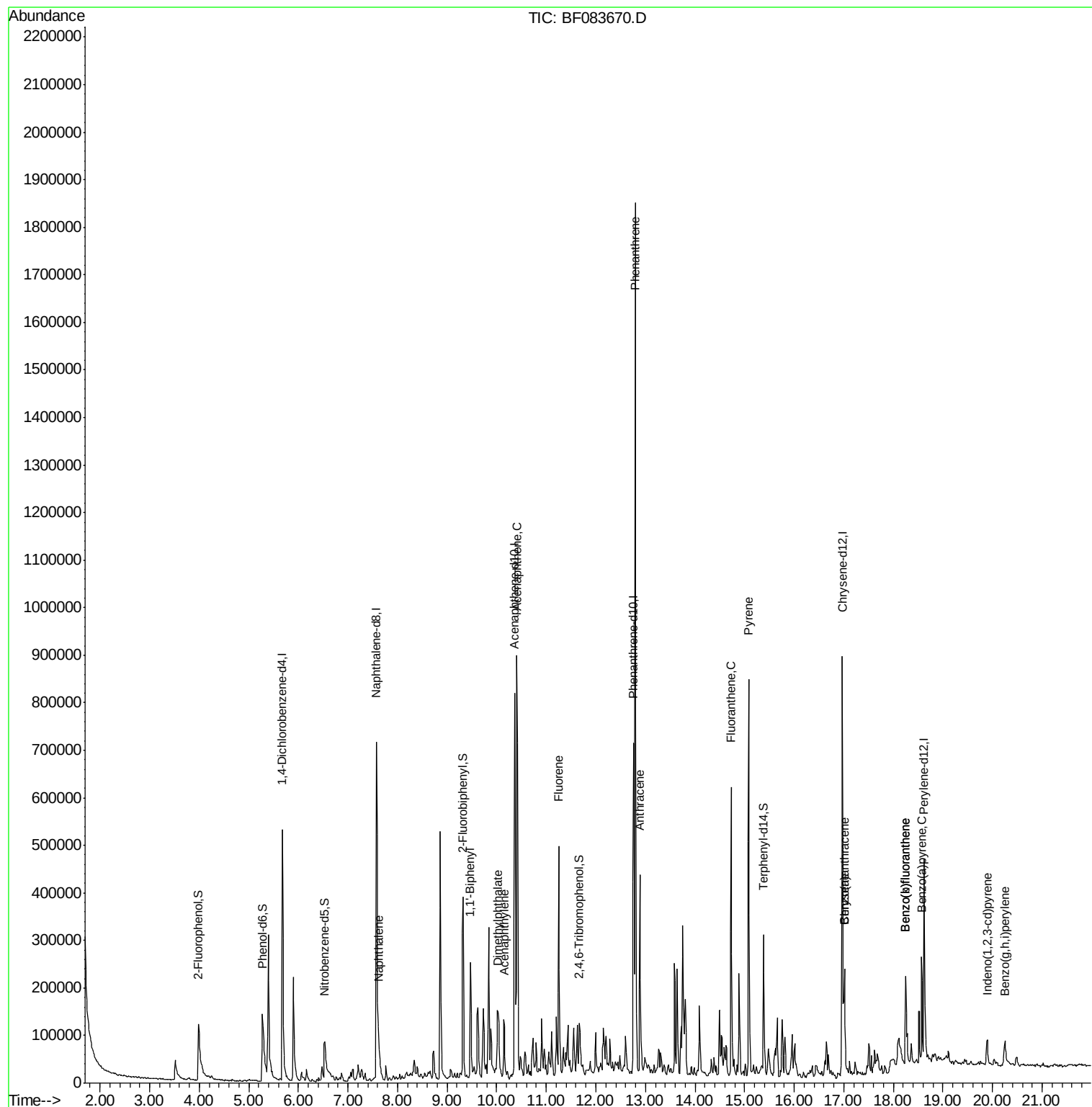
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	124070	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	489041	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	218292	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	347045	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	294700	20.00	ng	-0.02
86) Perylene-d12	18.61	264	237833	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.98	112	123874	15.14	ng	0.01
7) Phenol-d6	5.28	99	179599	16.43	ng	0.00
23) Nitrobenzene-d5	6.53	82	111626	10.65	ng	0.00
41) 2,4,6-Tribromophenol	11.67	330	21042	10.82	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	196424	12.66	ng	-0.02
78) Terphenyl-d14	15.38	244	132521	10.58	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.62	128	97504	3.76	ng	98
45) 1,1'-Biphenyl	9.47	154	115340	6.08	ng	99
48) Acenaphthylene	10.14	152	48028	2.03	ng	# 90
49) Dimethylphthalate	10.02	163	35262	2.03	ng	98
51) Acenaphthene	10.41	154	306409	22.66	ng	100
57) Fluorene	11.25	166	186896	11.42	ng	98
70) Phenanthrene	12.80	178	1003035	50.30	ng	99
71) Anthracene	12.89	178	263629	12.76	ng	98
74) Fluoranthene	14.73	202	385851	18.92	ng	99
77) Pyrene	15.08	202	540021	25.45	ng	99
80) Benzo(a)anthracene	17.01	228	129680	7.52	ng	95
82) Chrysene	17.01	228	129680	7.50	ng	98
85) Indeno(1,2,3-cd)pyrene	19.89	276	38762	3.32	ng	# 100
87) Benzo(b)fluoranthene	18.25	252	132035	9.75	ng	# 97
88) Benzo(k)fluoranthene	18.25	252	132035	8.85	ng	98
89) Benzo(a)pyrene	18.57	252	116016	8.78	ng	97
91) Benzo(g,h,i)perylene	20.25	276	45694	4.64	ng	98

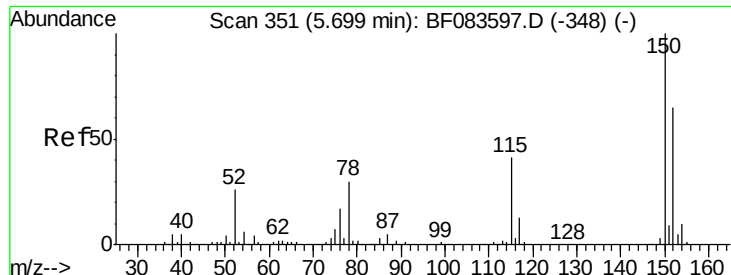
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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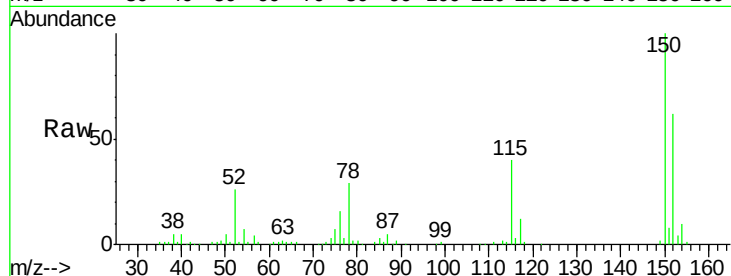




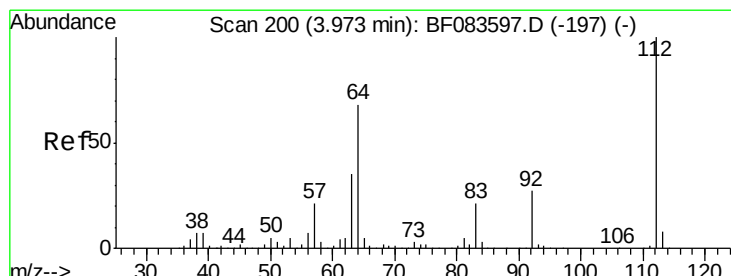
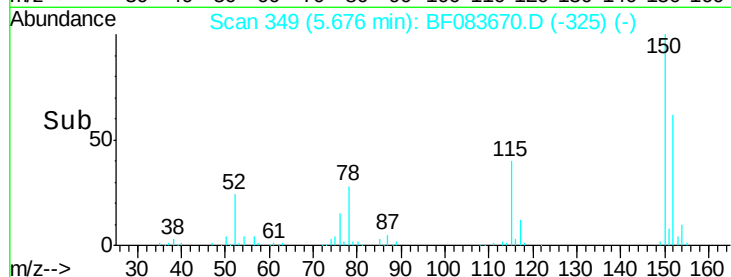
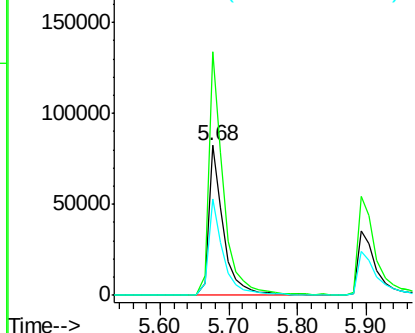
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.68 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: BF083670.D
 Acq: 10 Dec 2015 7:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-01(8-12.5)DL

Tgt Ion:152 Resp: 124070
 Ion Ratio Lower Upper
 152 100
 150 162.4 126.5 189.7
 115 64.7 52.3 78.5

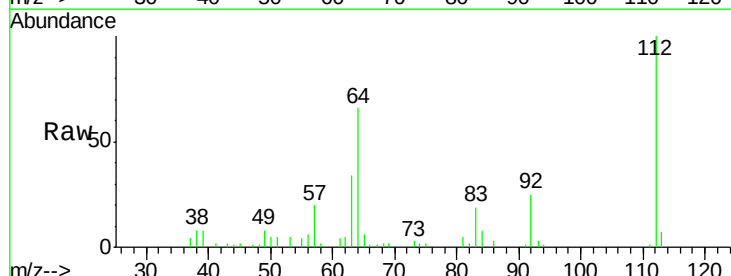


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

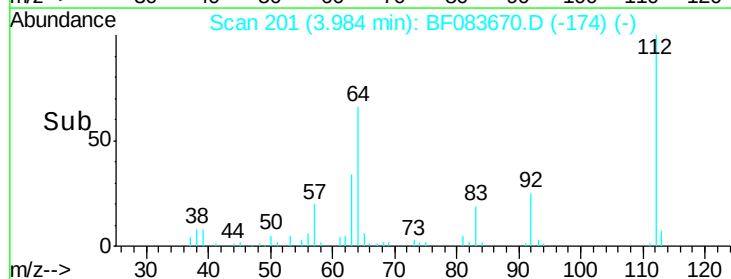
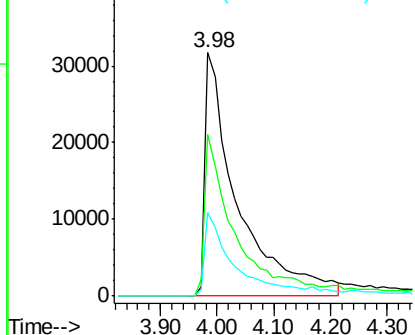


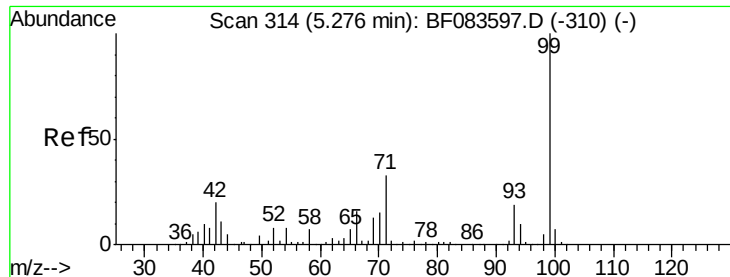
#5
 2-Fluorophenol
 Concen: 15.14 ng
 RT: 3.98 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: BF083670.D
 Acq: 10 Dec 2015 7:14

Tgt Ion:112 Resp: 123874
 Ion Ratio Lower Upper
 112 100
 64 66.3 50.5 75.7
 63 34.3 25.8 38.6



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: 16.43 ng

RT: 5.28 min Scan# 314

Delta R.T. 0.00 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(8-12.5)DL

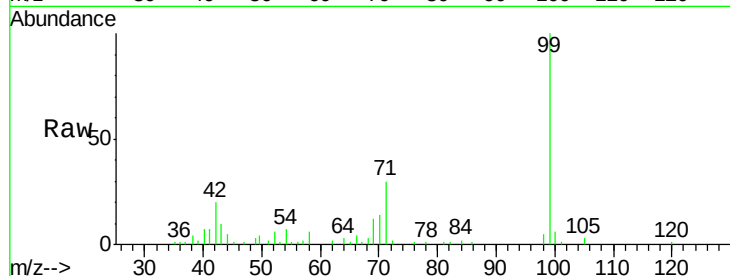
Tgt Ion: 99 Resp: 179599

Ion Ratio Lower Upper

99 100

42 19.8 17.3 25.9

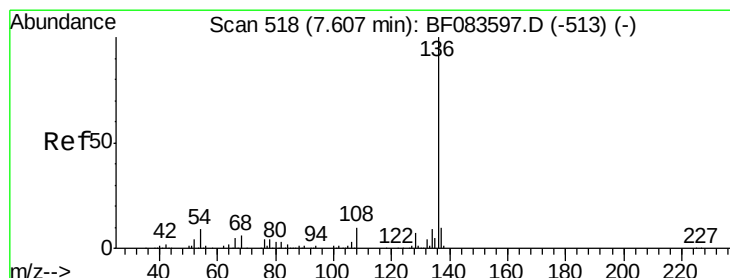
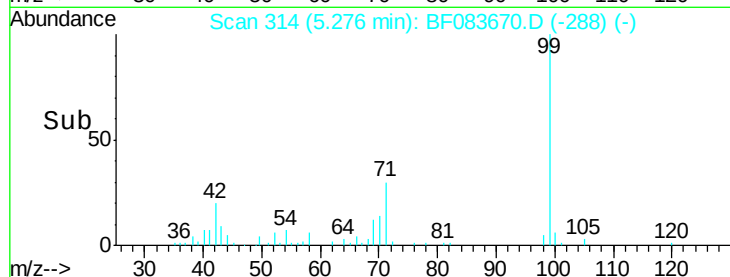
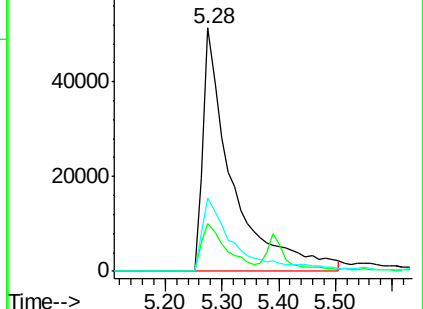
71 30.2 26.6 40.0



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: 7.57 min Scan# 515

Delta R.T. -0.03 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Tgt Ion: 136 Resp: 489041

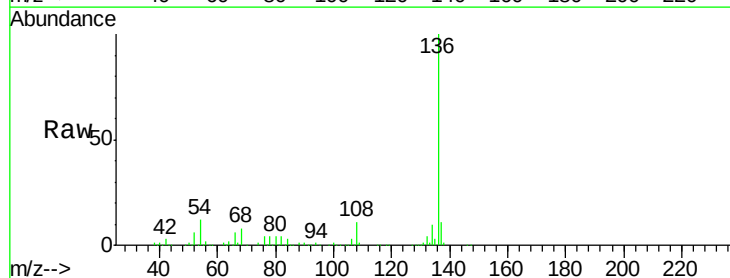
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.6 7.8 11.6

68 7.7 5.7 8.5

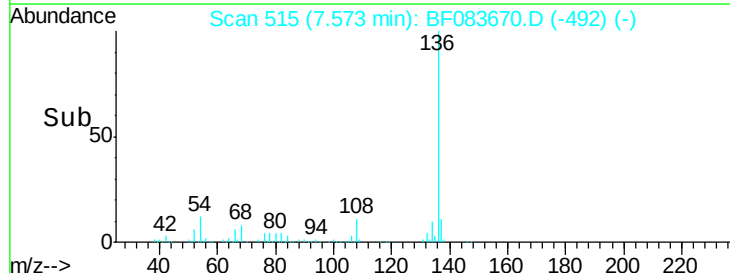
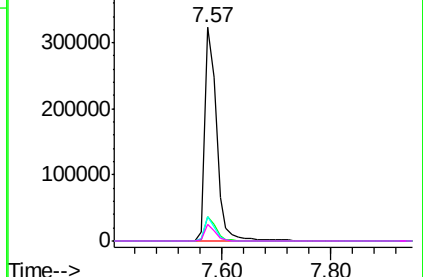


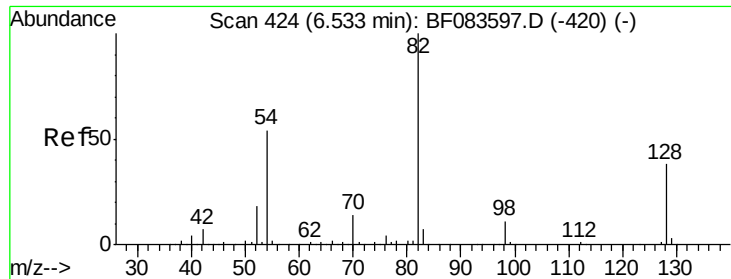
Abundance Ion 136.00 (135.70 to 136.70): E

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

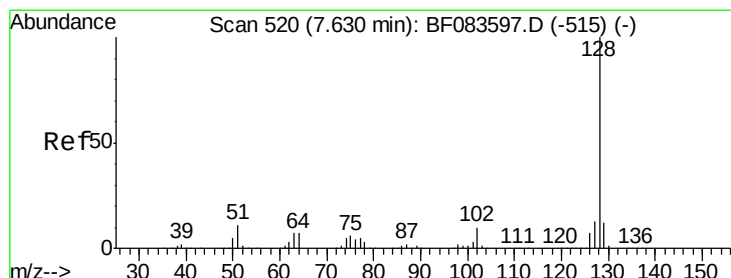
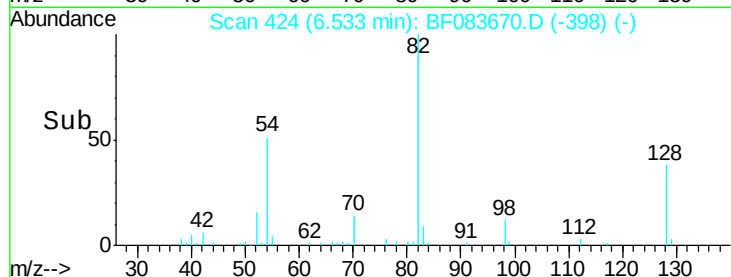
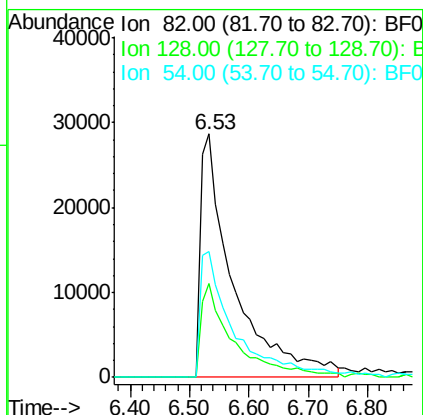
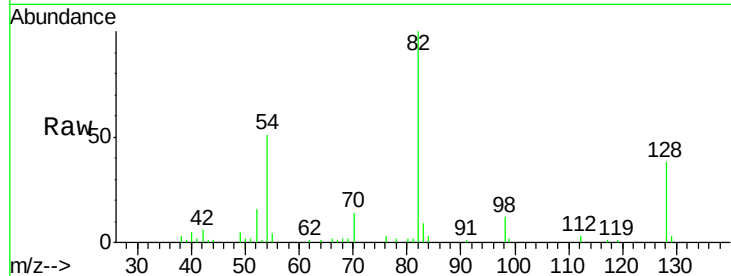




#23
 Nitrobenzene-d5
 Concen: 10.65 ng
 RT: 6.53 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: BF083670.D
 Acq: 10 Dec 2015 7:14

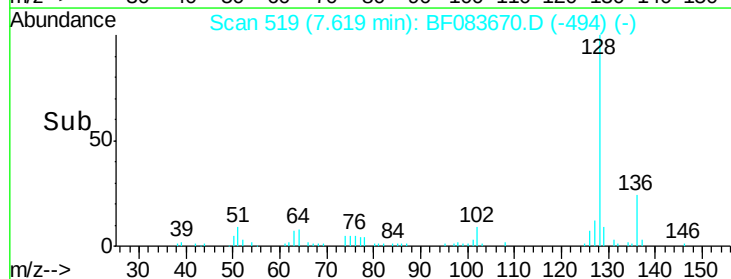
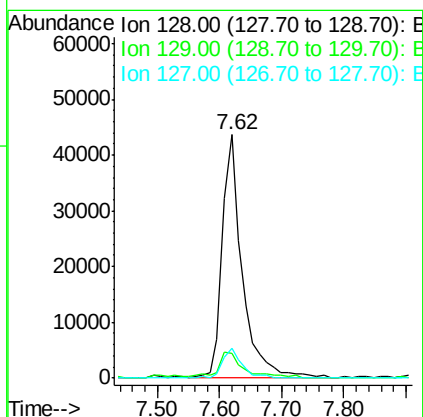
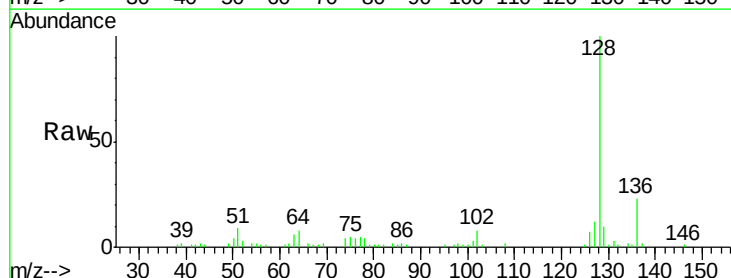
Instrument :
 BNA_F
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 SB-P3WC-01(8-12.5)DL

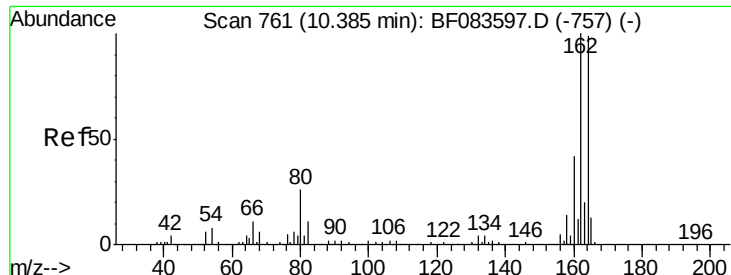
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.3	30.7	46.1
54	51.5	42.5	63.7



#31
 Naphthalene
 Concen: 3.76 ng
 RT: 7.62 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: BF083670.D
 Acq: 10 Dec 2015 7:14

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.6	13.0
127	12.4	10.6	16.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.36 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(8-12.5)DL

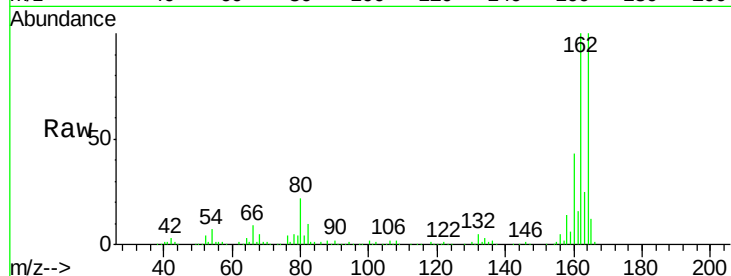
Tgt Ion:164 Resp: 218292

Ion Ratio Lower Upper

164 100

162 100.0 78.8 118.2

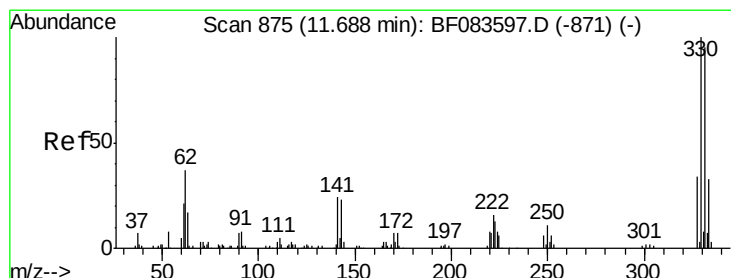
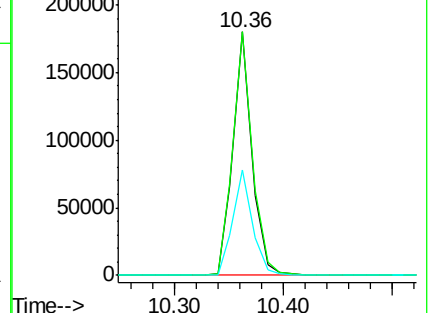
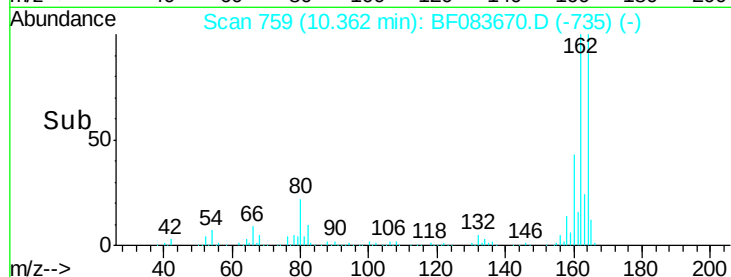
160 43.1 33.4 50.2



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: 10.82 ng

RT: 11.67 min Scan# 873

Delta R.T. -0.02 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

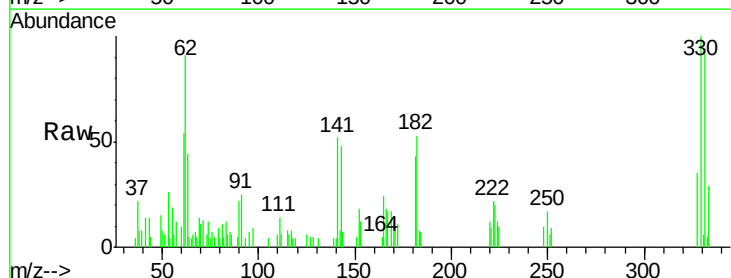
Tgt Ion:330 Resp: 21042

Ion Ratio Lower Upper

330 100

332 97.7 0.0 0.0#

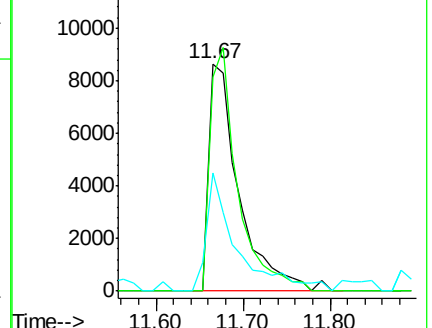
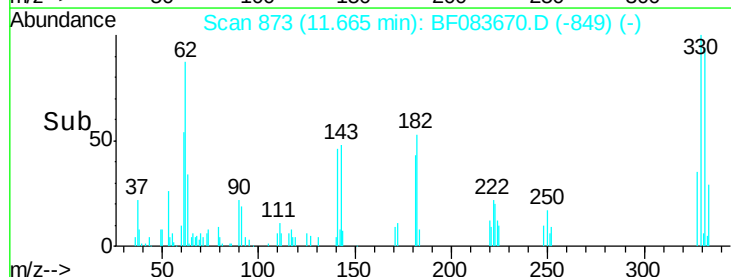
141 51.7 0.0 0.0#

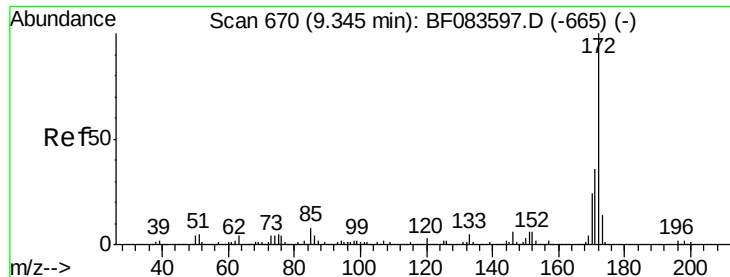


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 12.66 ng

RT: 9.32 min Scan# 668

Delta R.T. -0.02 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

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SB-P3WC-01(8-12.5)DL

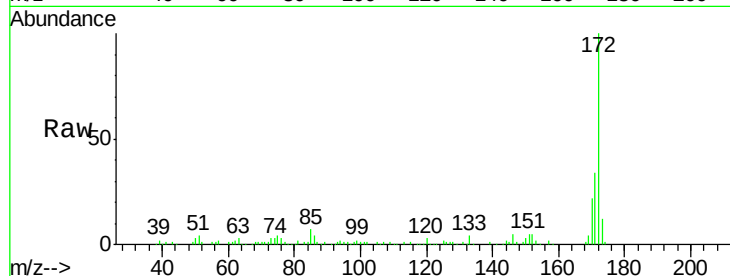
Tgt Ion:172 Resp: 196424

Ion Ratio Lower Upper

172 100

171 34.3 28.6 42.8

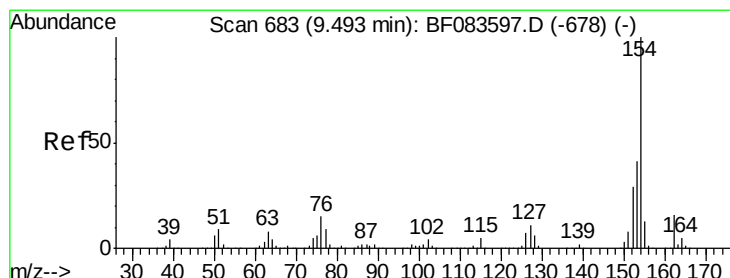
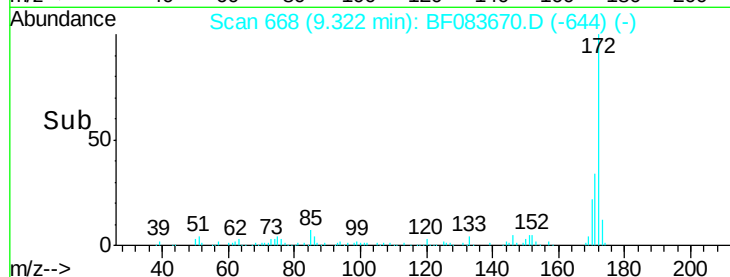
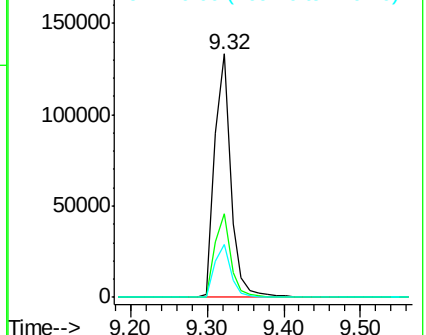
170 21.9 19.4 29.0



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: 6.08 ng

RT: 9.47 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

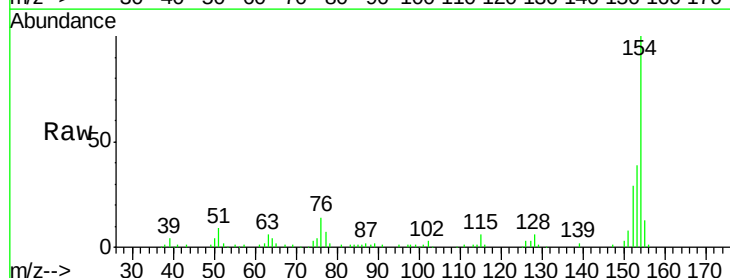
Tgt Ion:154 Resp: 115340

Ion Ratio Lower Upper

154 100

153 39.1 20.2 60.2

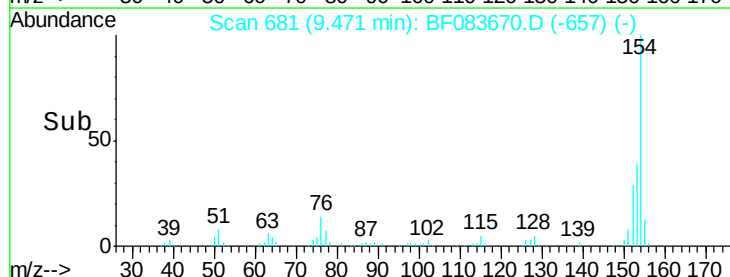
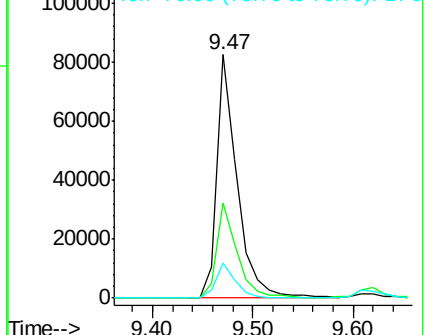
76 14.5 0.0 34.8

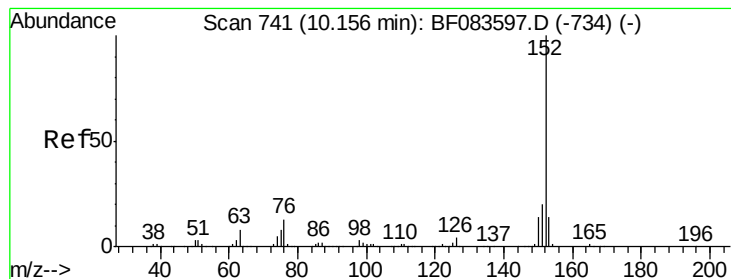


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 2.03 ng

RT: 10.14 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Instrument :

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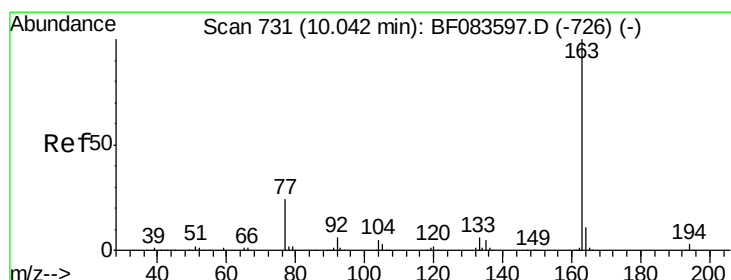
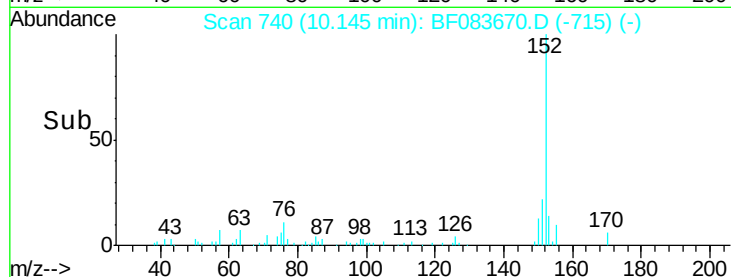
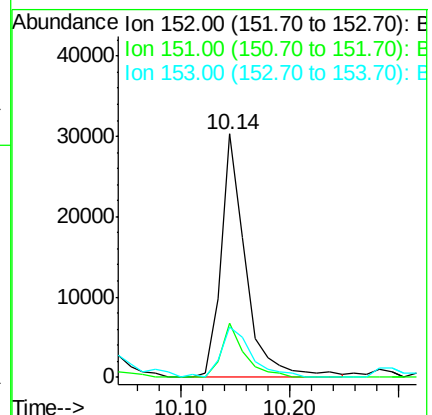
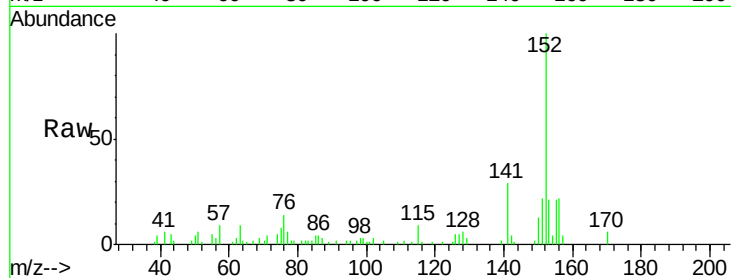
Tgt Ion:152 Resp: 48028

Ion Ratio Lower Upper

152 100

151 22.3 16.3 24.5

153 20.8 10.8 16.2#



#49

Dimethylphthalate

Concen: 2.03 ng

RT: 10.02 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

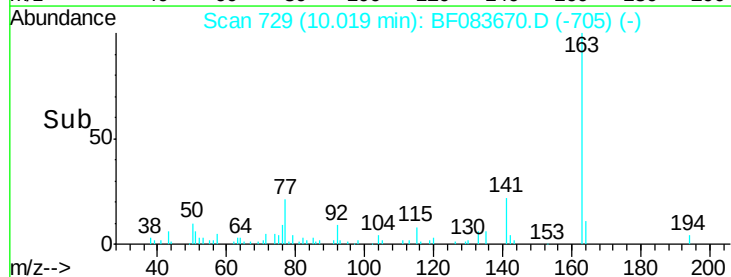
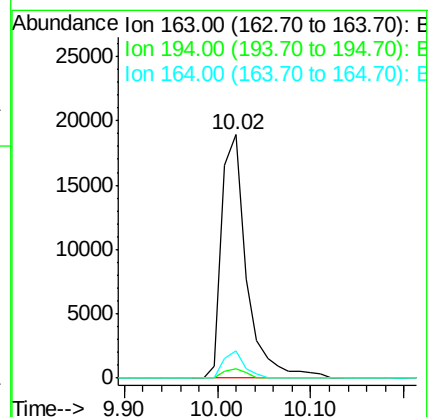
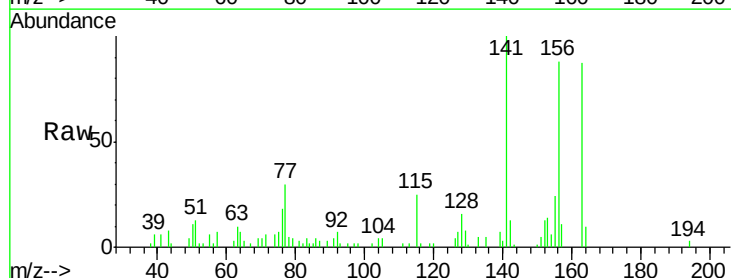
Tgt Ion:163 Resp: 35262

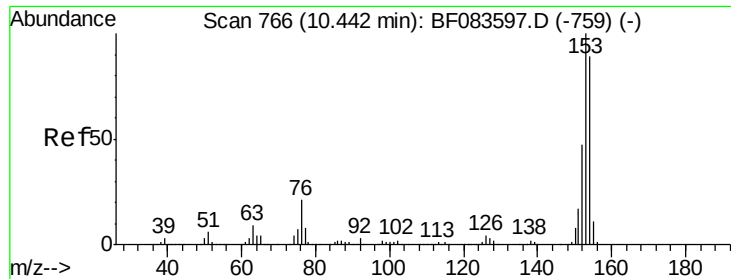
Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

164 11.4 8.6 13.0





#51

Acenaphthene

Concen: 22.66 ng

RT: 10.41 min Scan# 763

Delta R.T. -0.03 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(8-12.5)DL

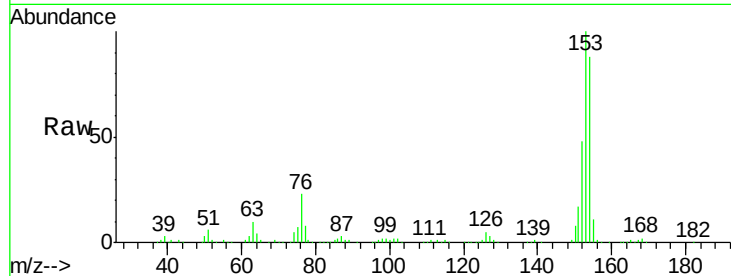
Tgt Ion:154 Resp: 306409

Ion Ratio Lower Upper

154 100

153 113.6 91.4 137.0

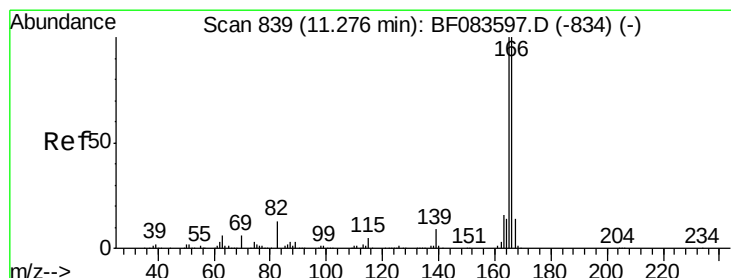
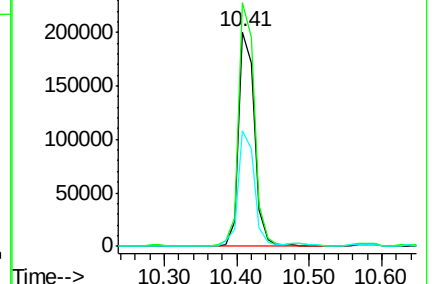
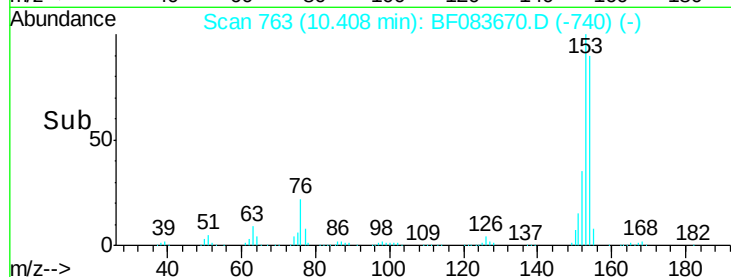
152 54.2 43.4 65.2



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



#57

Fluorene

Concen: 11.42 ng

RT: 11.25 min Scan# 837

Delta R.T. -0.02 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

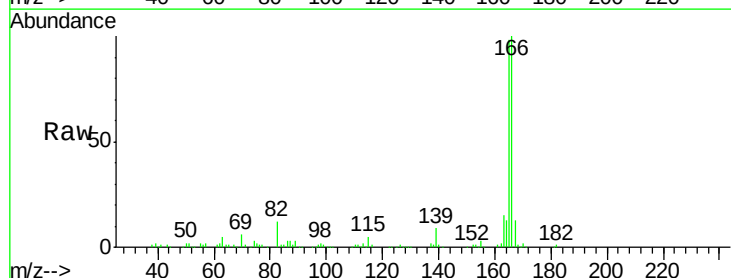
Tgt Ion:166 Resp: 186896

Ion Ratio Lower Upper

166 100

165 98.2 80.0 120.0

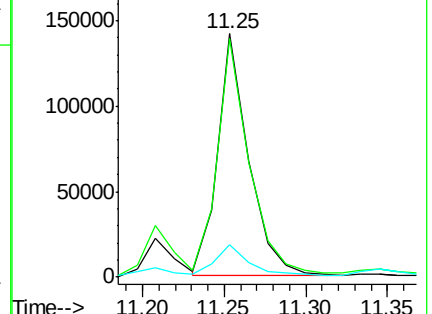
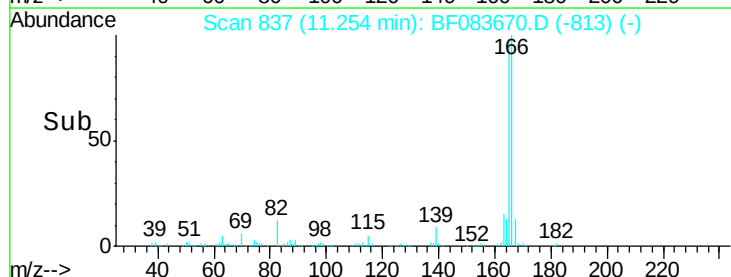
167 13.4 10.6 16.0

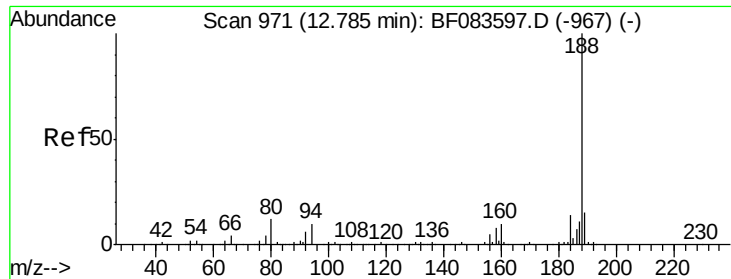


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

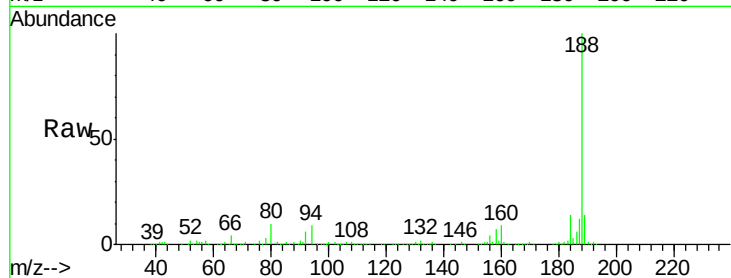




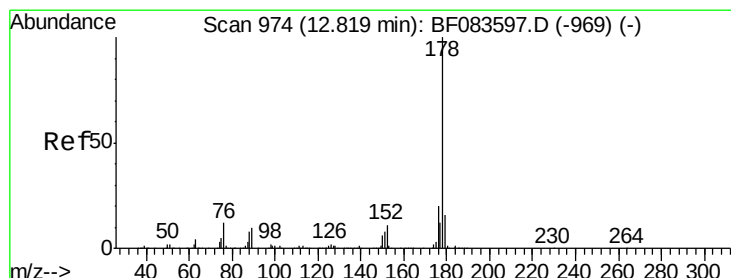
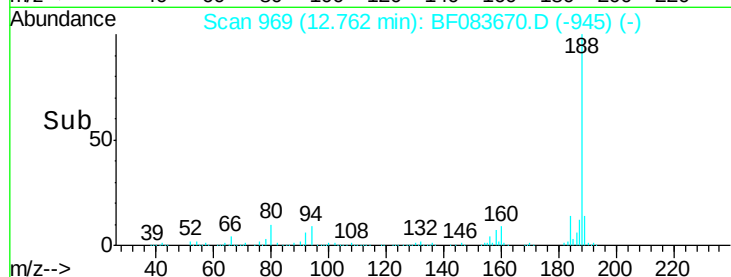
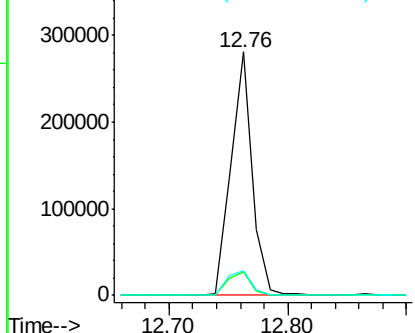
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(8-12.5)DL

Tgt Ion:188 Resp: 347045
Ion Ratio Lower Upper
188 100
94 9.4 9.4 14.2
80 10.3 10.6 16.0#

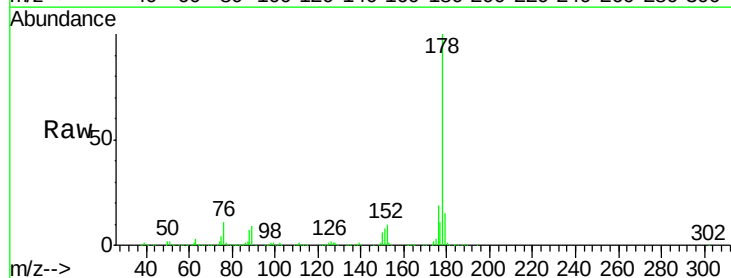


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

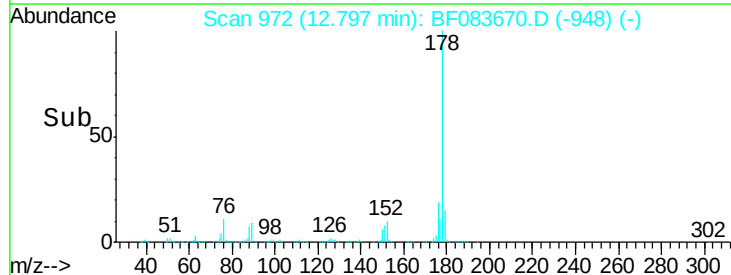
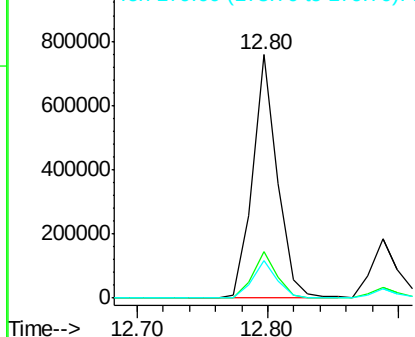


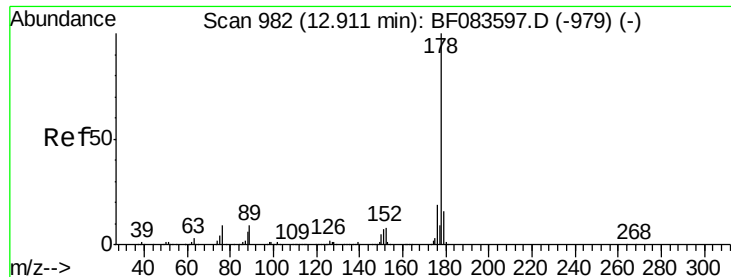
#70
Phenanthrene
Concen: 50.30 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Tgt Ion:178 Resp: 1003035
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.4 12.2 18.4



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

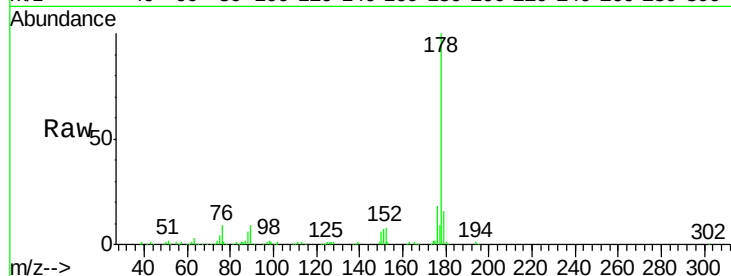




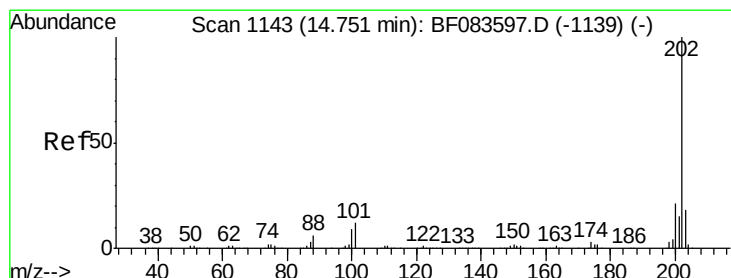
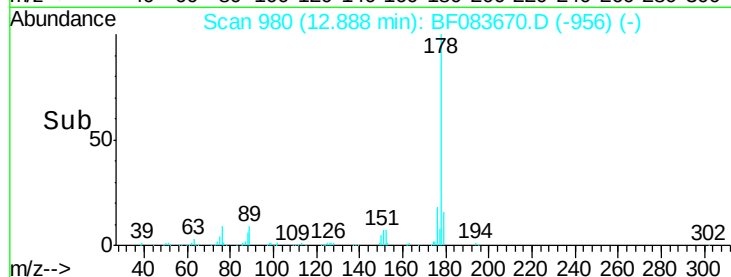
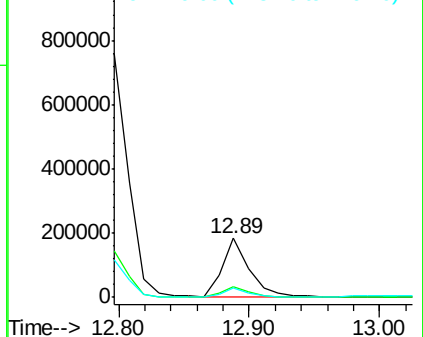
#71
 Anthracene
 Concen: 12.76 ng
 RT: 12.89 min Scan# 980
 Delta R.T. -0.02 min
 Lab File: BF083670.D
 Acq: 10 Dec 2015 7:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-01(8-12.5)DL

Tgt Ion:178 Resp: 263629
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.2 22.8
 179 16.4 12.6 18.8

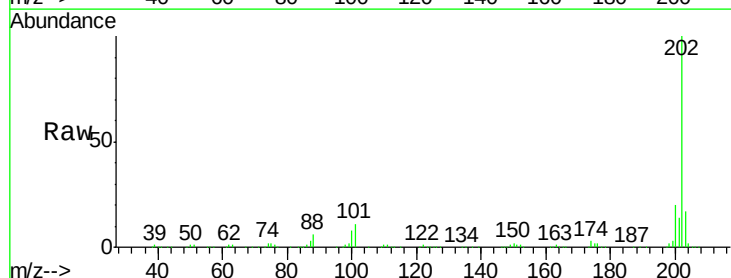


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

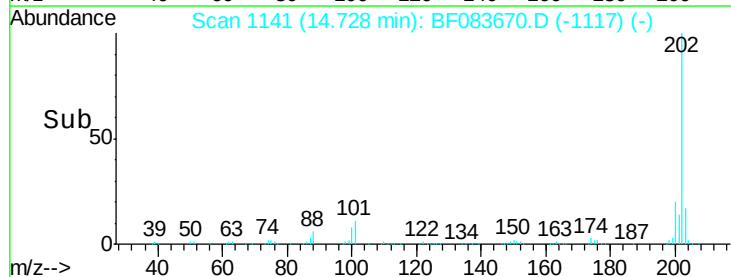
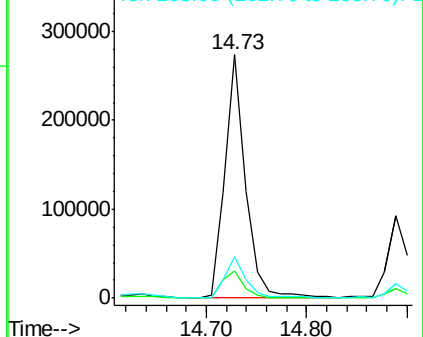


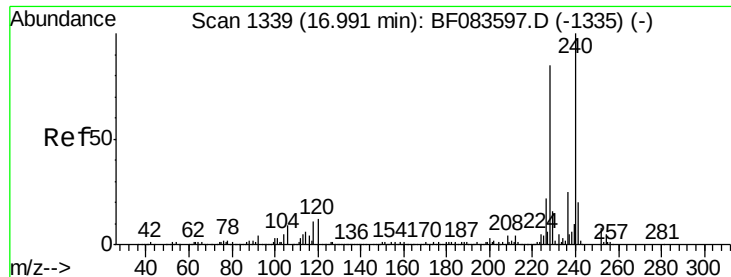
#74
 Fluoranthene
 Concen: 18.92 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF083670.D
 Acq: 10 Dec 2015 7:14

Tgt Ion:202 Resp: 385851
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.5
 203 17.2 0.0 37.6



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: 16.97 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(8-12.5)DL

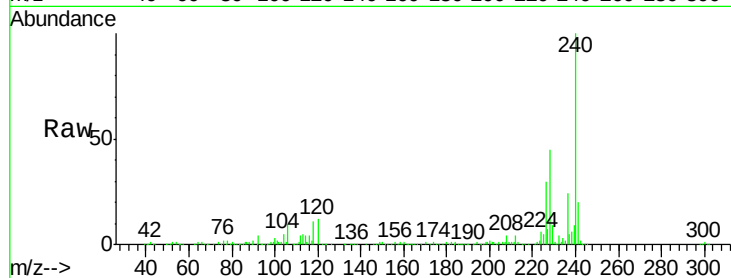
Tgt Ion:240 Resp: 294700

Ion Ratio Lower Upper

240 100

120 12.4 8.1 12.1#

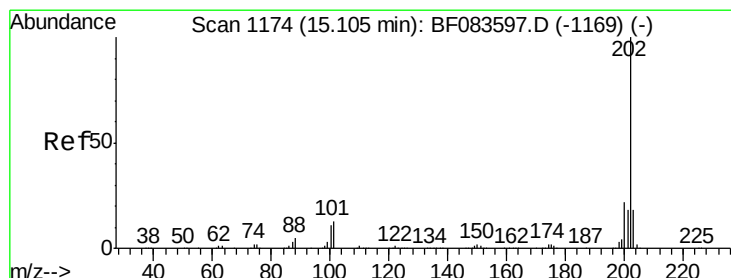
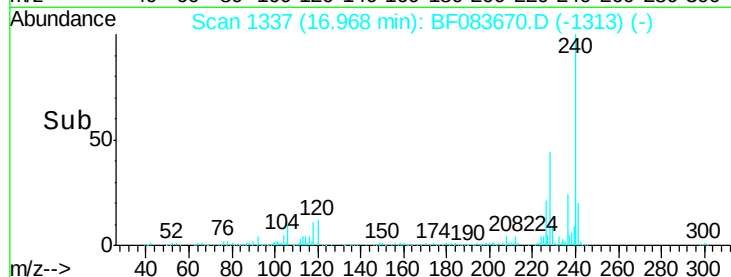
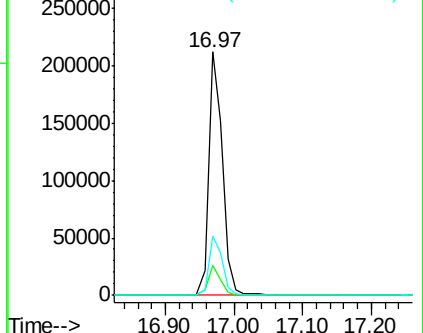
236 24.4 20.8 31.2



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: 25.45 ng

RT: 15.08 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

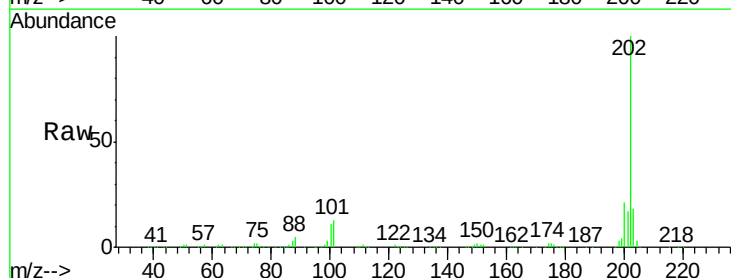
Tgt Ion:202 Resp: 540021

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

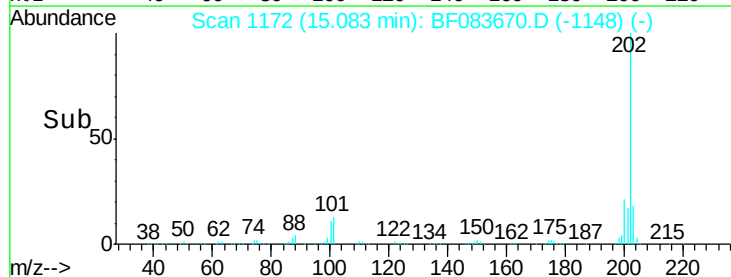
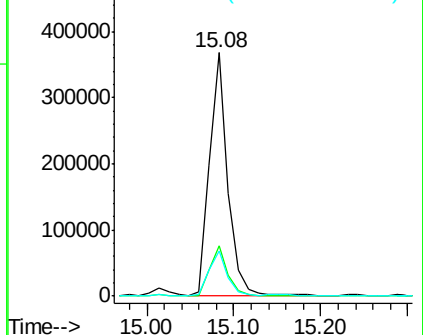
203 18.4 14.3 21.5

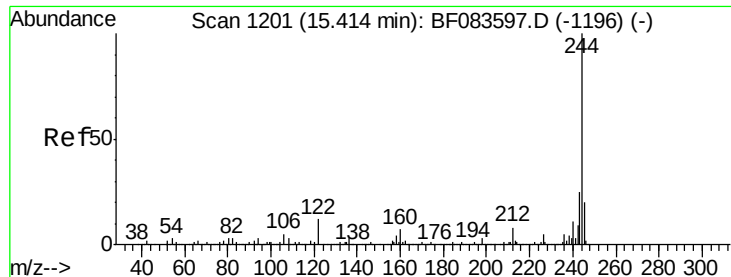


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.58 ng

RT: 15.38 min Scan# 1198

Delta R.T. -0.03 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(8-12.5)DL

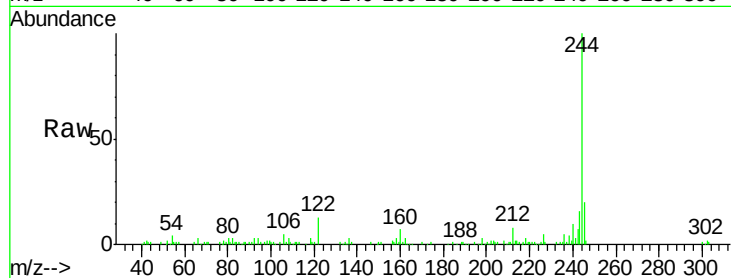
Tgt Ion:244 Resp: 132521

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

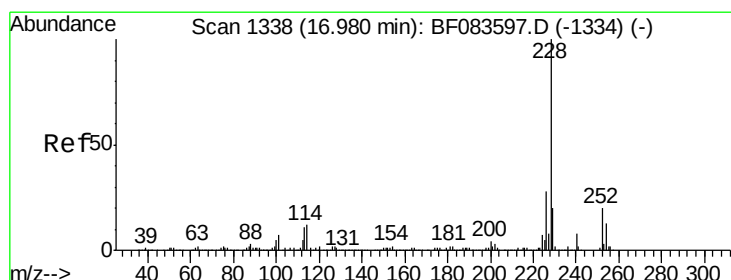
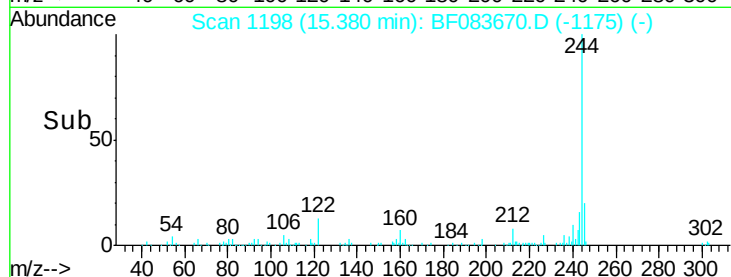
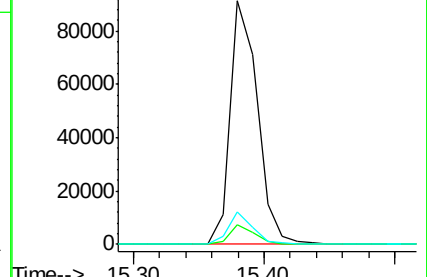
122 13.1 11.0 16.6



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: 7.52 ng

RT: 17.01 min Scan# 1341

Delta R.T. 0.03 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

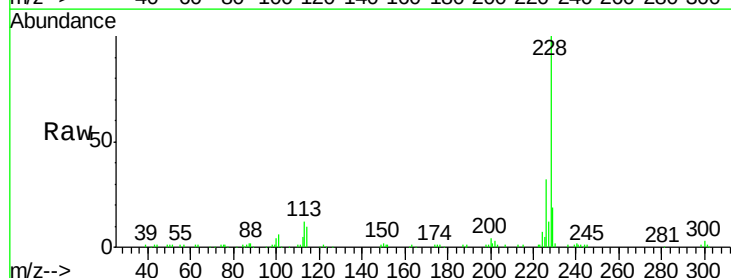
Tgt Ion:228 Resp: 129680

Ion Ratio Lower Upper

228 100

226 31.7 22.3 33.5

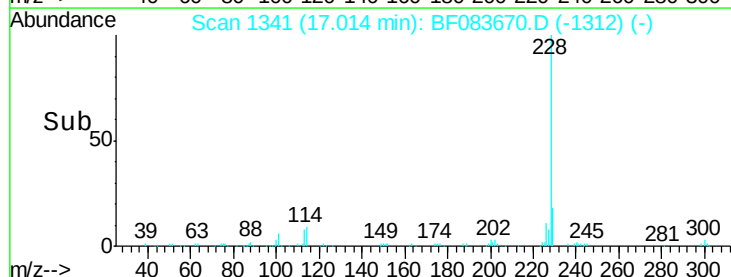
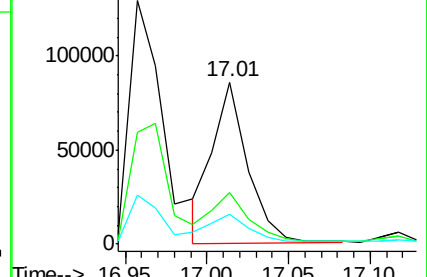
229 18.8 15.7 23.5

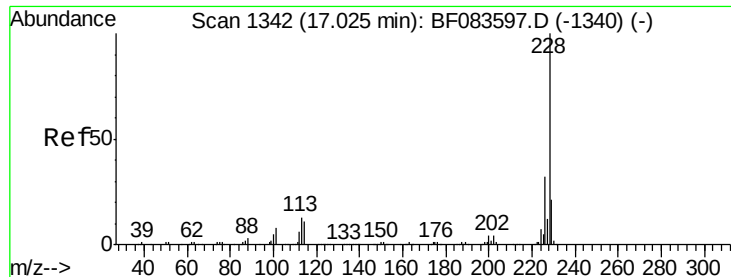


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.50 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(8-12.5)DL

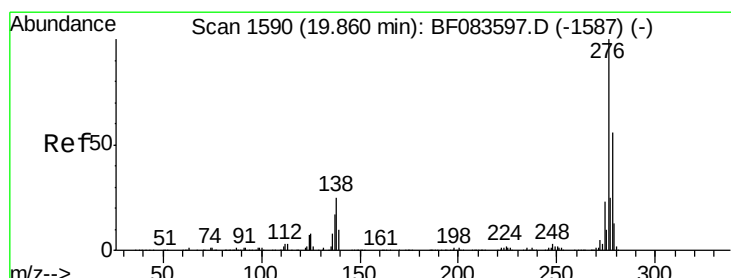
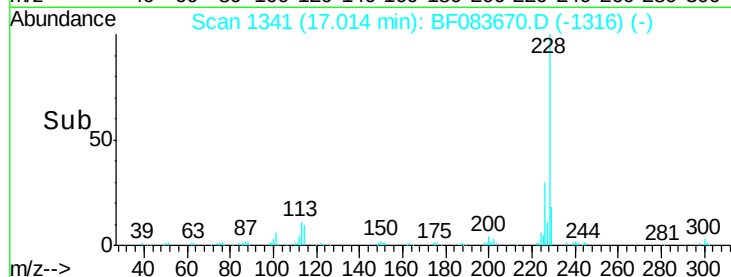
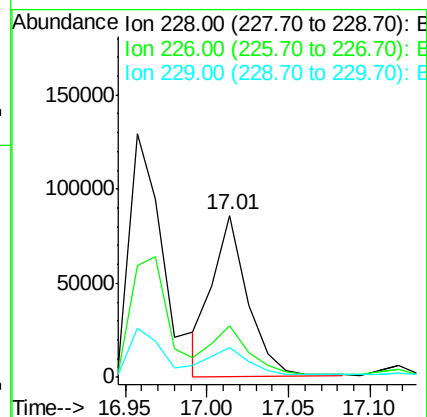
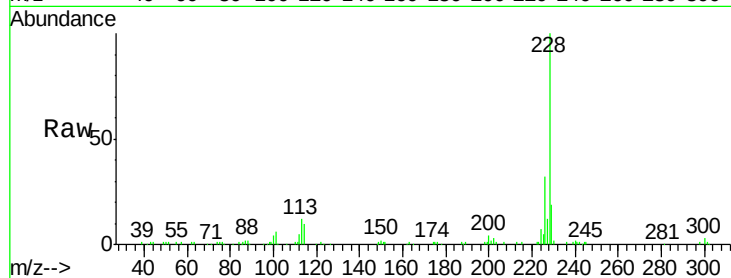
Tgt Ion:228 Resp: 129680

Ion Ratio Lower Upper

228 100

226 31.7 24.7 37.1

229 18.8 16.3 24.5



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.32 ng

RT: 19.89 min Scan# 1593

Delta R.T. 0.03 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

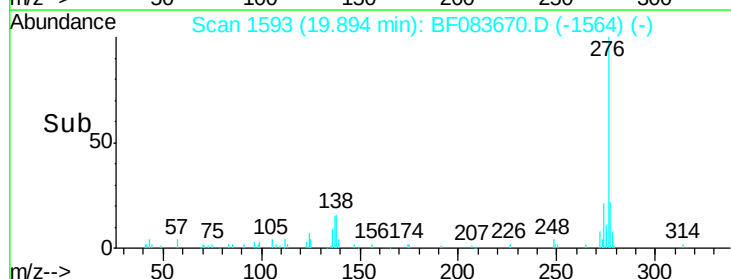
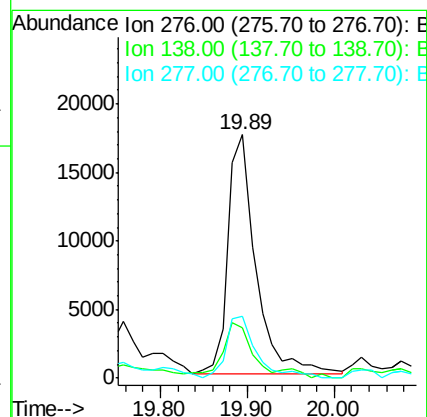
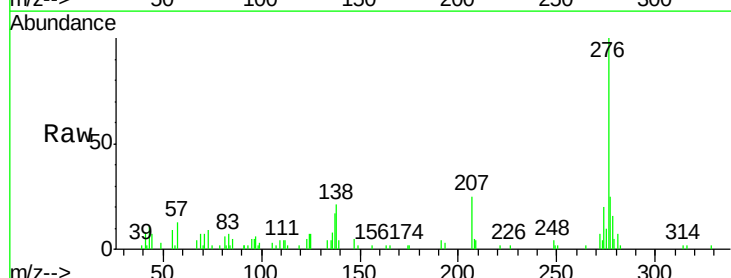
Tgt Ion:276 Resp: 38762

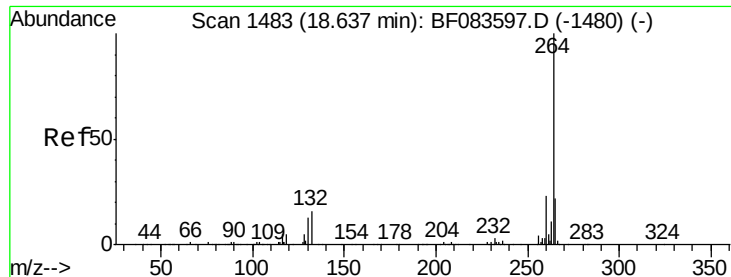
Ion Ratio Lower Upper

276 100

138 28.3 0.0 0.0#

277 28.7 0.0 0.0#

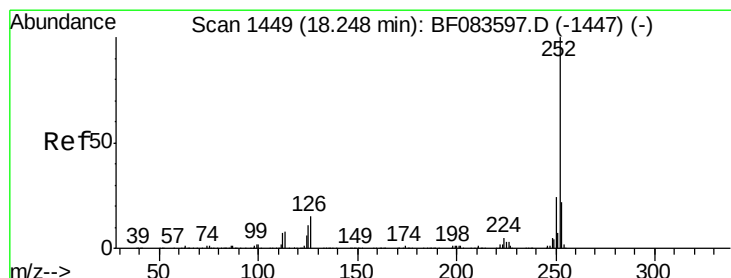
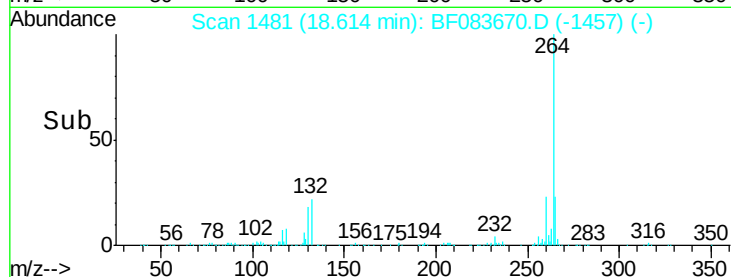
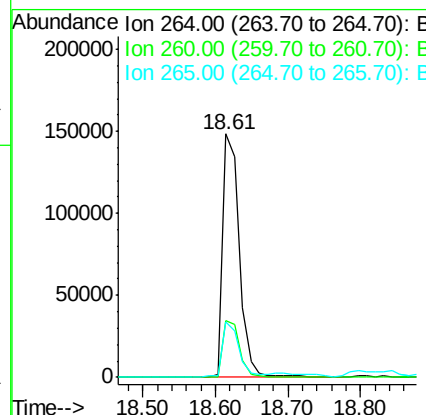
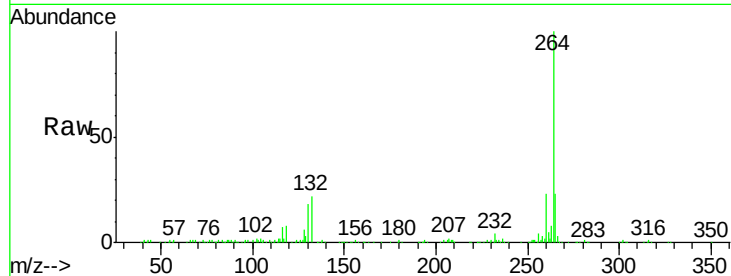




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.61 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

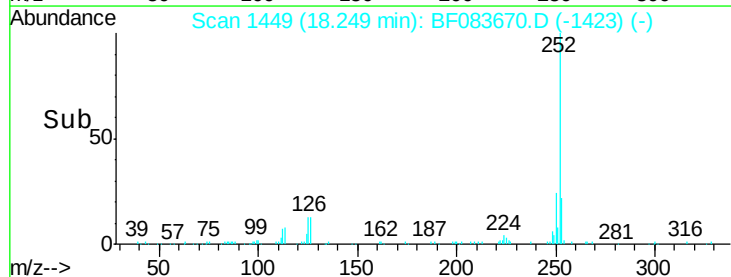
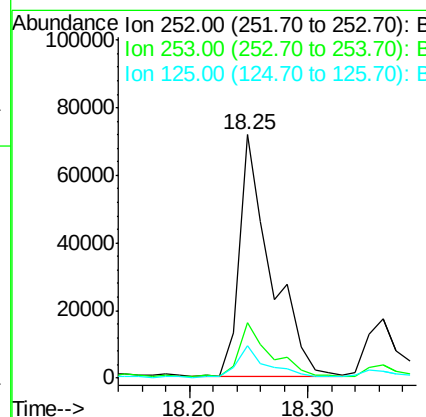
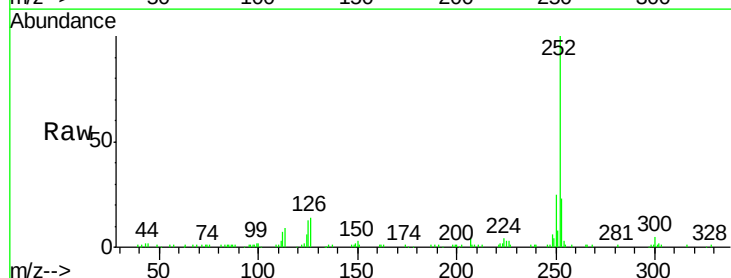
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(8-12.5)DL

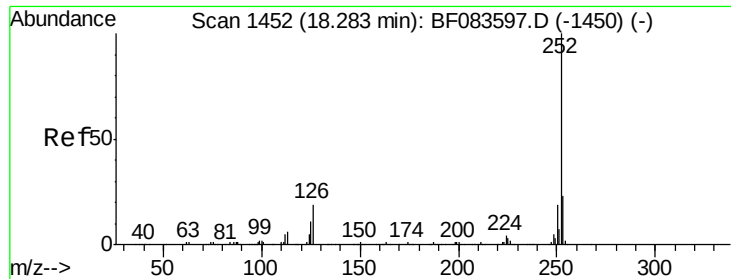
Tgt Ion: 264 Resp: 237833
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.0
265 22.5 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 9.75 ng
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Tgt Ion: 252 Resp: 132035
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.4
125 13.3 8.2 12.4#

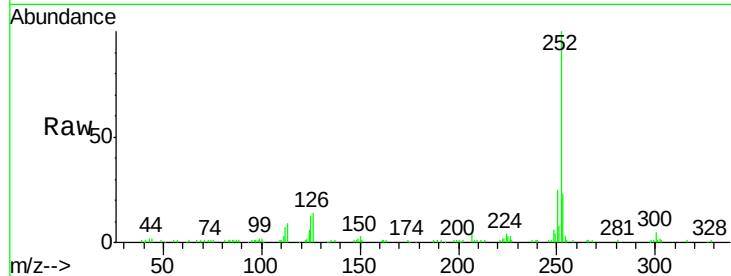




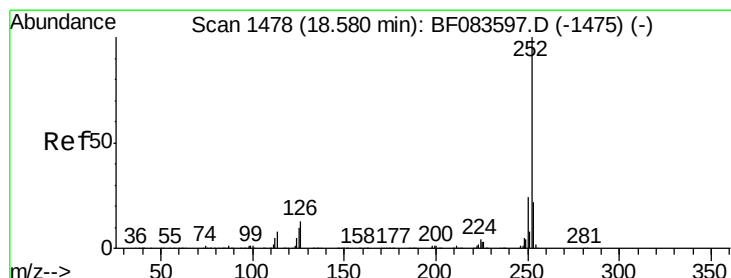
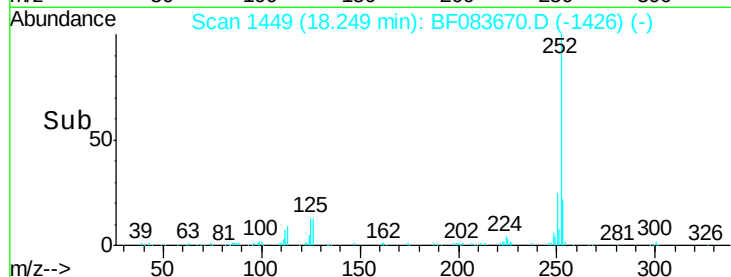
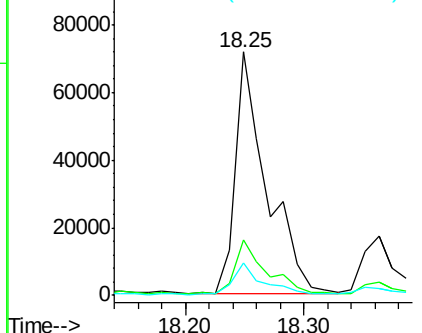
#88
Benzo(k)fluoranthene
Concen: 8.85 ng
RT: 18.25 min Scan# 1449
Delta R.T. -0.03 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(8-12.5)DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.6	27.8
125	13.3	11.5	17.3

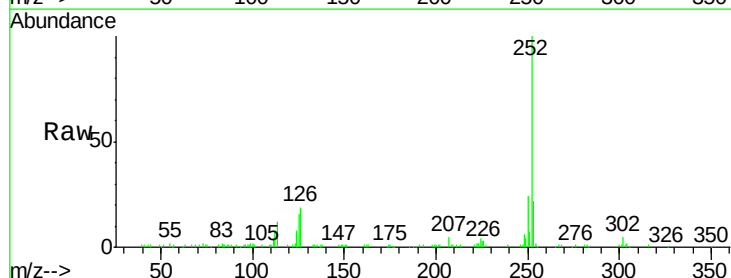


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

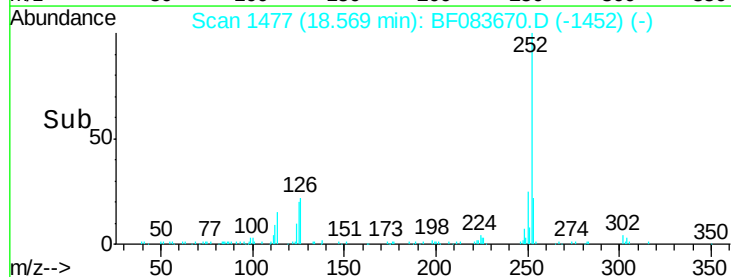
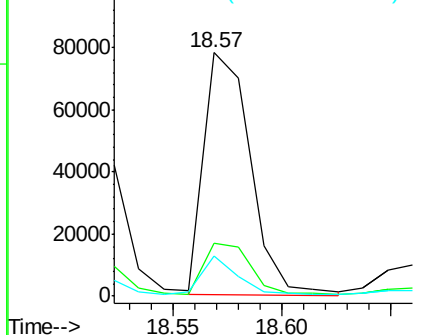


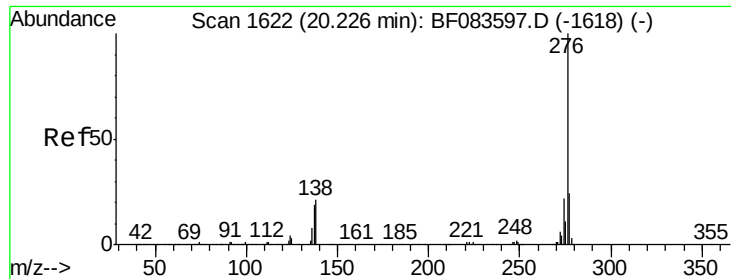
#89
Benzo(a)pyrene
Concen: 8.78 ng
RT: 18.57 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	16.4	11.0	16.6



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





#91
 Benzo(g,h,i)perylene
 Concen: 4.64 ng
 RT: 20.25 min Scan# 1624
 Delta R.T. 0.02 min
 Lab File: BF083670.D
 Acq: 10 Dec 2015 7:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-01(8-12.5)DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	22.5	19.5	29.3

