

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
 Data File : BF078637.D
 Acq On : 18 Apr 2015 11:25
 Operator : TP/IZ
 Sample : G1891-14
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-70S

Quant Time: Apr 20 00:58:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	39646	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	158802	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	84274	20.00	ng	0.00
63) Phenanthrene-d10	12.22	188	169417	20.00	ng	0.00
75) Chrysene-d12	15.47	240	187413	20.00	ng	0.01
86) Perylene-d12	17.14	264	195248	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.90	112	288752	120.08	ng	0.00
7) Phenol-d6	6.28	99	367394	121.92	ng	0.00
23) Nitrobenzene-d5	7.38	82	219265	83.69	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	104296	149.22	ng	0.00
44) 2-Fluorobiphenyl	9.61	172	488910	82.93	ng	0.01
78) Terphenyl-d14	14.22	244	624892	75.34	ng	0.01

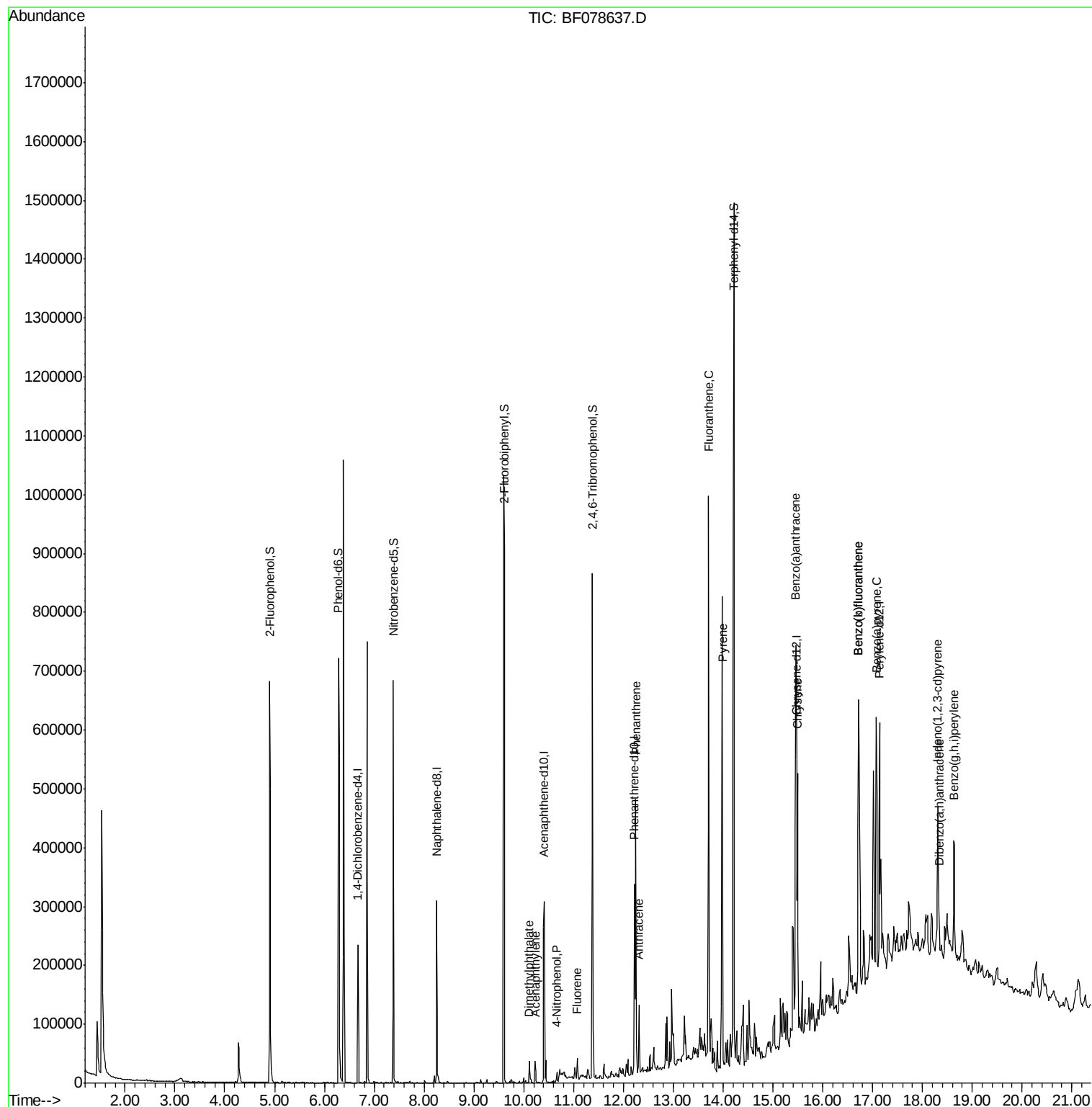
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	10.23	152	20107	2.30	ng	97
49) Dimethylphthalate	10.11	163	21045	3.32	ng	100
55) 4-Nitrophenol	10.66	139	3608	5.96	ng	# 18
57) Fluorene	11.07	166	13972	2.29	ng	99
70) Phenanthrene	12.25	178	188228	19.21	ng	100
71) Anthracene	12.31	178	59252	6.14	ng	98
74) Fluoranthene	13.71	202	424959	41.12	ng	94
77) Pyrene	13.99	202	411455	34.97	ng	98
80) Benzo(a)anthracene	15.46	228	218736	19.62	ng	97
82) Chrysene	15.50	228	198342	18.93	ng	98
85) Indeno(1,2,3-cd)pyrene	18.31	276	152313	12.81	ng	# 86
87) Benzo(b)fluoranthene	16.72	252	378981	31.41	ng	# 95
88) Benzo(k)fluoranthene	16.72	252	380030	35.44	ng	96
89) Benzo(a)pyrene	17.07	252	228980	21.74	ng	# 92
90) Dibenzo(a,h)anthracene	18.33	278	36429	3.46	ng	# 90
91) Benzo(g,h,i)perylene	18.64	276	151184	14.30	ng	# 94

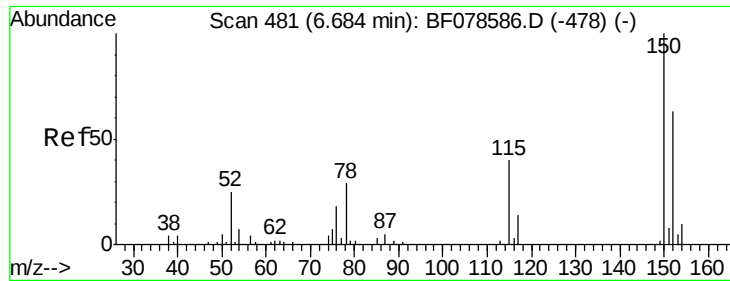
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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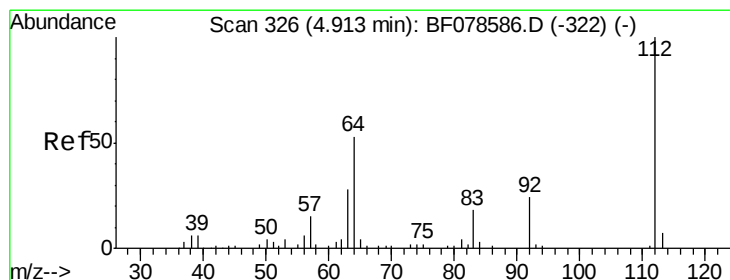
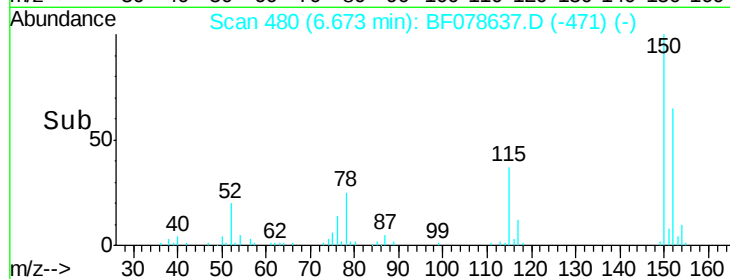
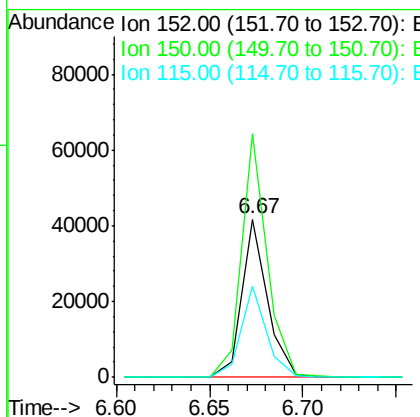
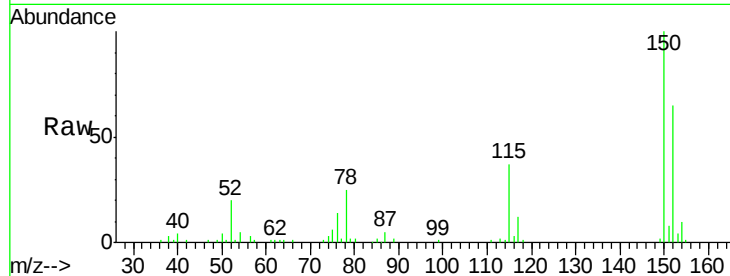




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: BF078637.D
 Acq: 18 Apr 2015 11:25

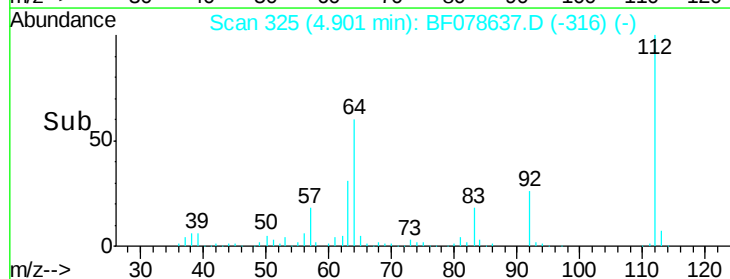
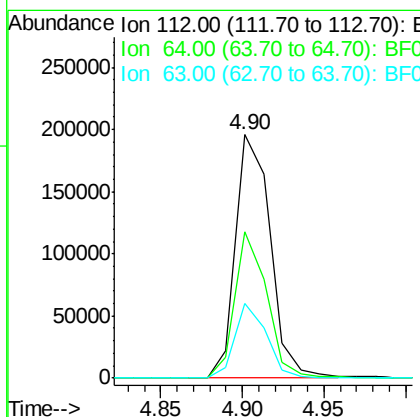
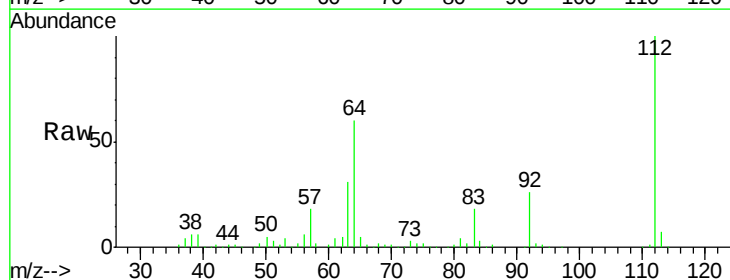
Instrument :
 BNA_F
 ClientSampleId :
 SB-70S

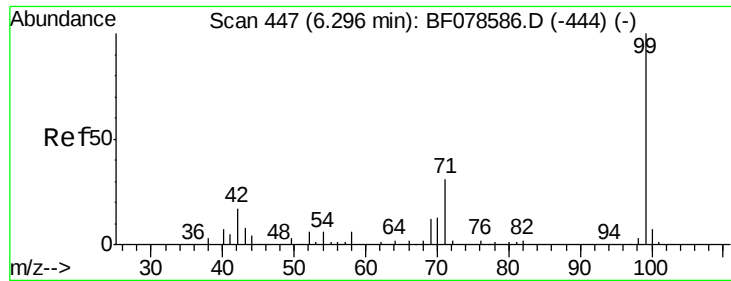
Tgt Ion:152 Resp: 39646
 Ion Ratio Lower Upper
 152 100
 150 154.1 125.9 188.9
 115 57.7 52.7 79.1



#5
 2-Fluorophenol
 Concen: 120.08 ng
 RT: 4.90 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: BF078637.D
 Acq: 18 Apr 2015 11:25

Tgt Ion:112 Resp: 288752
 Ion Ratio Lower Upper
 112 100
 64 60.0 39.9 59.9#
 63 30.8 20.2 30.4#





#7

Phenol-d6

Concen: 121.92 ng

RT: 6.28 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

ClientSampleId :

SB-70S

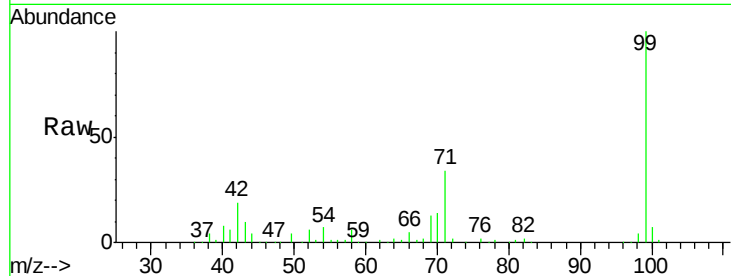
Tgt Ion: 99 Resp: 367394

Ion Ratio Lower Upper

99 100

42 19.2 14.8 22.2

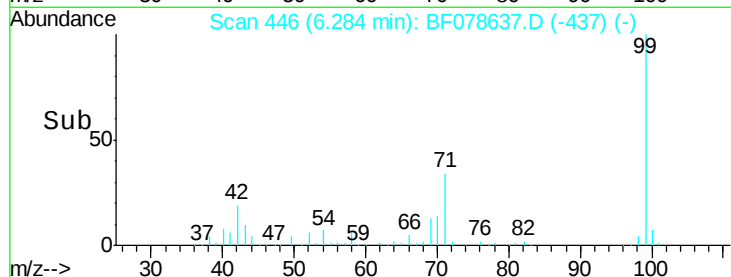
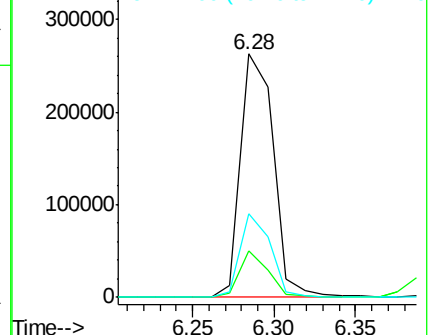
71 34.2 26.6 39.8



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: 8.25 min Scan# 618

Delta R.T. 0.00 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Tgt Ion: 136 Resp: 158802

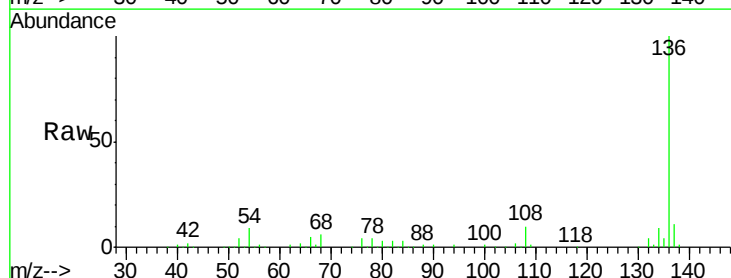
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 8.5 7.0 10.6

68 6.3 5.4 8.2

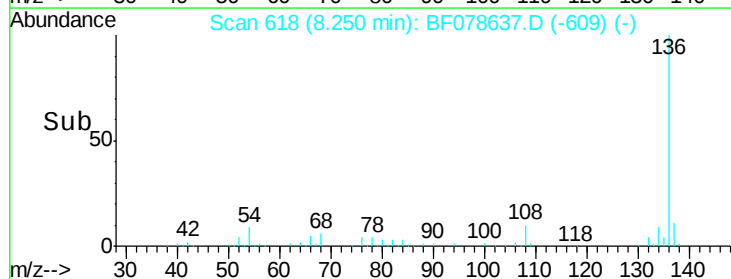
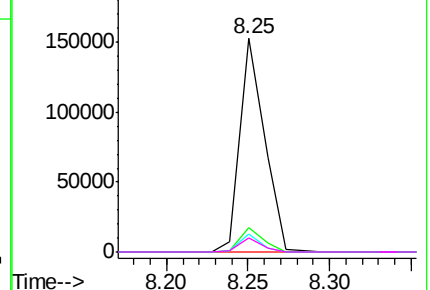


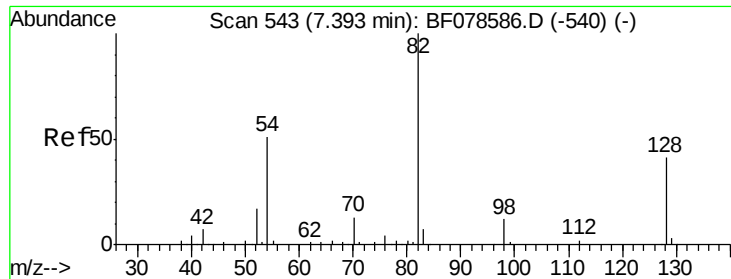
Abundance Ion 136.00 (135.70 to 136.70): E

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

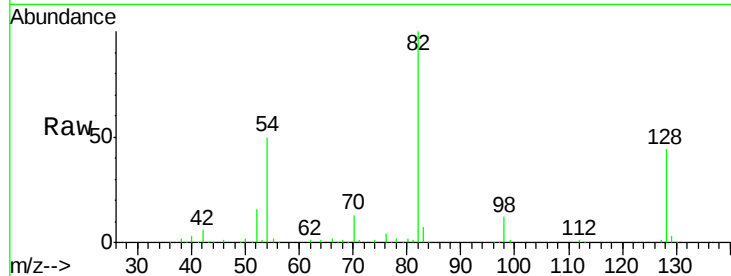




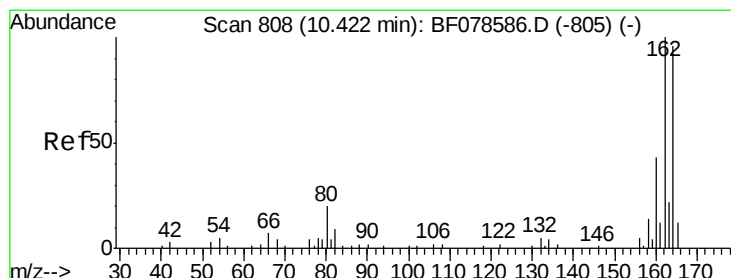
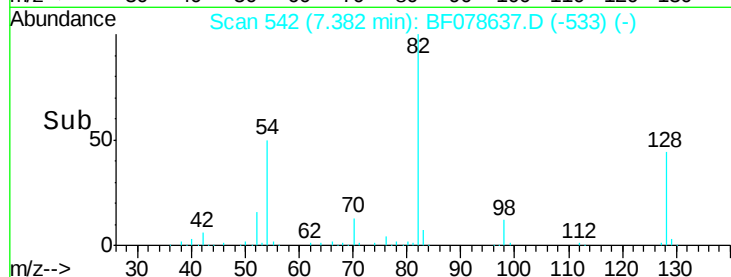
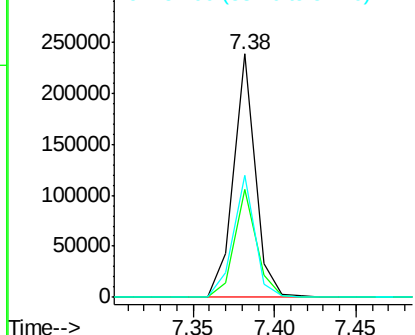
#23
 Nitrobenzene-d5
 Concen: 83.69 ng
 RT: 7.38 min Scan# 542
 Delta R.T. 0.00 min
 Lab File: BF078637.D
 Acq: 18 Apr 2015 11:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-70S

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.1	31.8	47.8
54	50.1	41.5	62.3

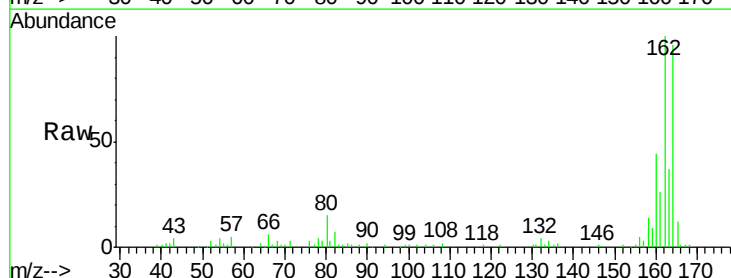


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

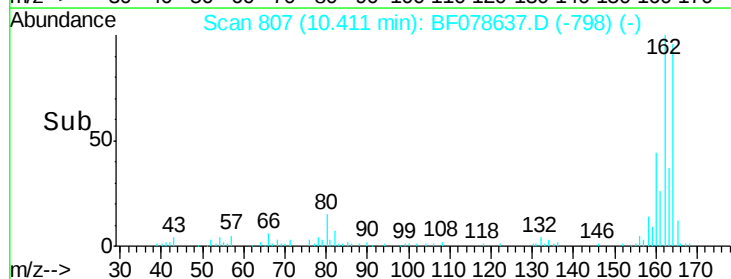
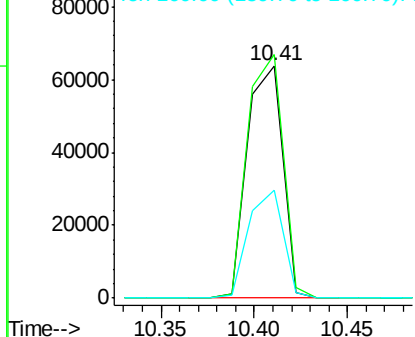


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.41 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: BF078637.D
 Acq: 18 Apr 2015 11:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.2	123.2
160	46.1	34.7	52.1



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

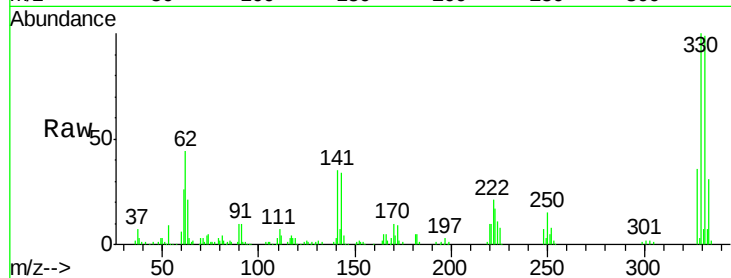




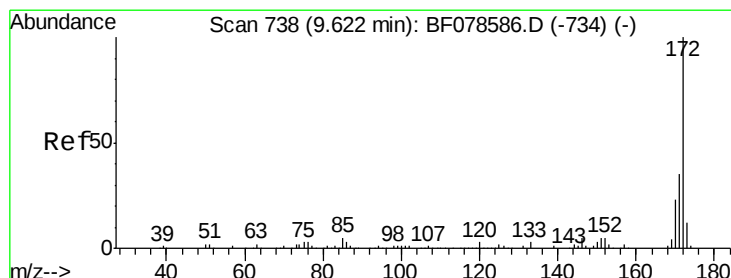
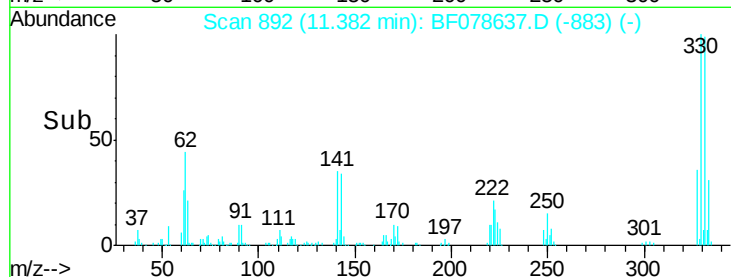
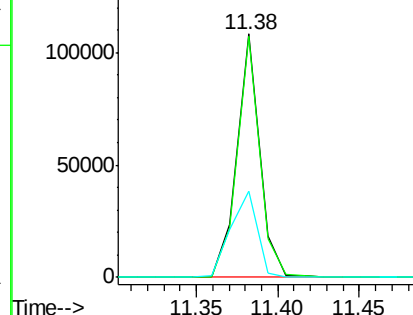
#41
 2,4,6-Tribromophenol
 Concen: 149.22 ng
 RT: 11.38 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: BF078637.D
 Acq: 18 Apr 2015 11:25

Instrument :
 BNA_F
 ClientSampleID :
 SB-70S

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.6	117.8
141	41.3	31.2	46.8

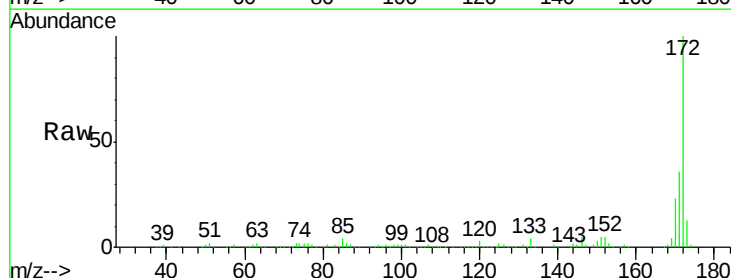


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

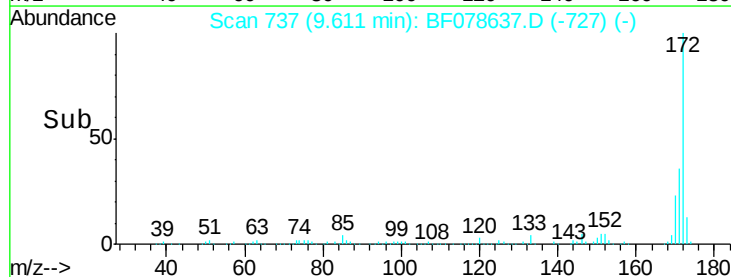
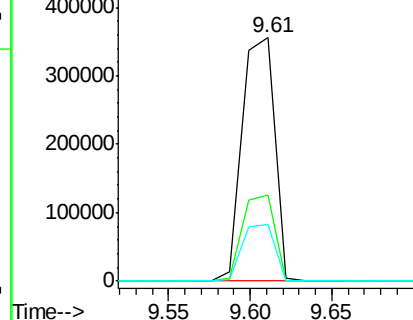


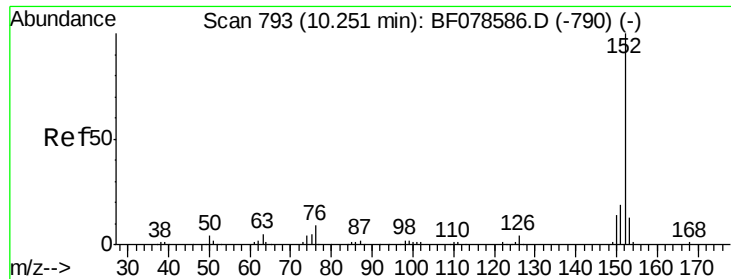
#44
 2-Fluorobiphenyl
 Concen: 82.93 ng
 RT: 9.61 min Scan# 737
 Delta R.T. 0.01 min
 Lab File: BF078637.D
 Acq: 18 Apr 2015 11:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.3	18.5	27.7



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





#48

Acenaphthylene

Concen: 2.30 ng

RT: 10.23 min Scan# 791

Delta R.T. 0.00 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

ClientSampleId :

SB-70S

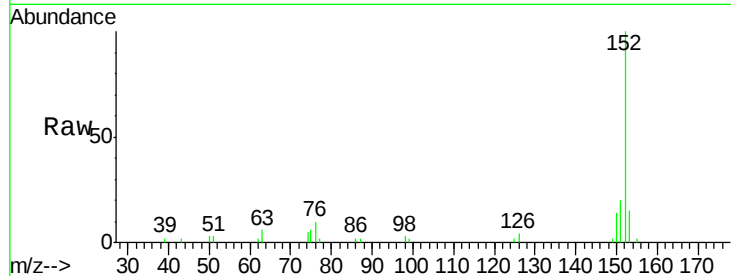
Tgt Ion:152 Resp: 20107

Ion Ratio Lower Upper

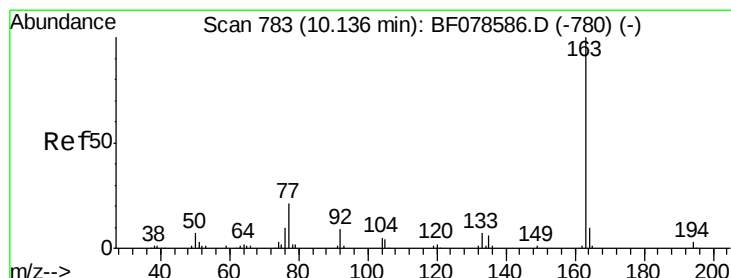
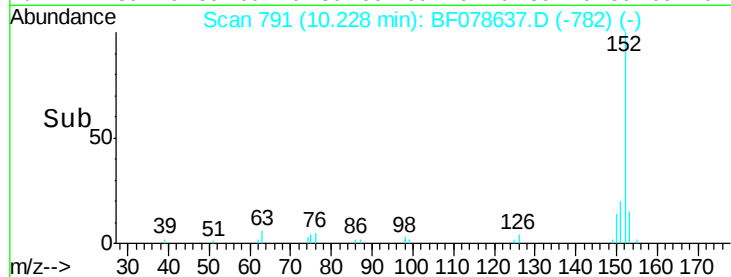
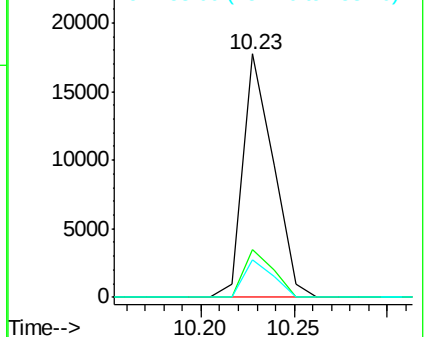
152 100

151 19.7 15.7 23.5

153 15.2 10.2 15.2



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



#49

Dimethylphthalate

Concen: 3.32 ng

RT: 10.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

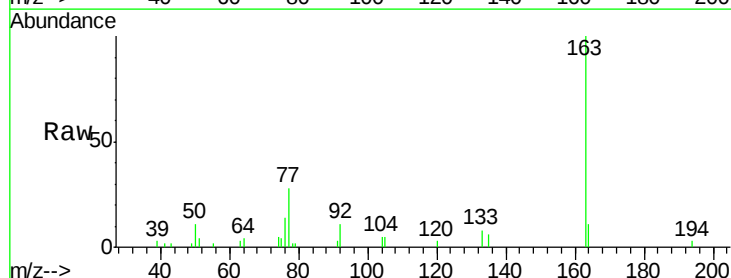
Tgt Ion:163 Resp: 21045

Ion Ratio Lower Upper

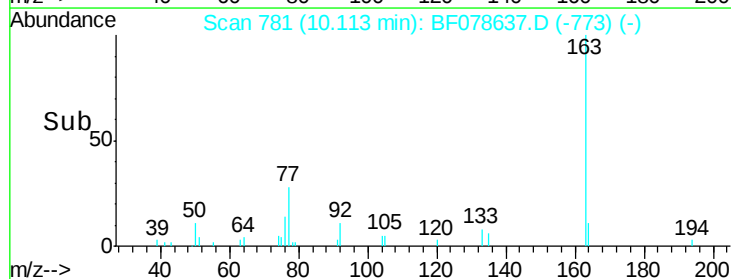
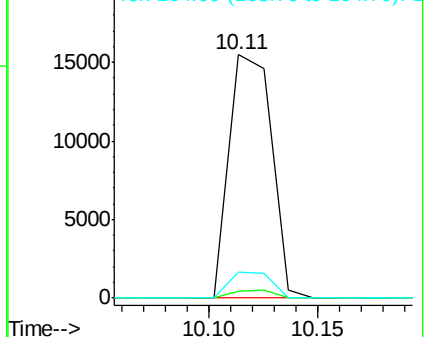
163 100

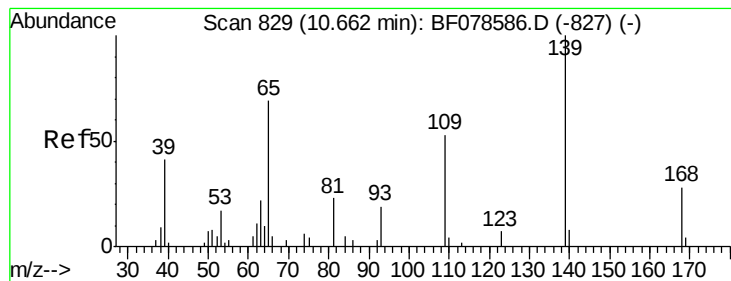
194 3.0 2.3 3.5

164 10.7 8.6 13.0



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





#55

4-Nitrophenol

Concen: 5.96 ng

RT: 10.66 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

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SB-70S

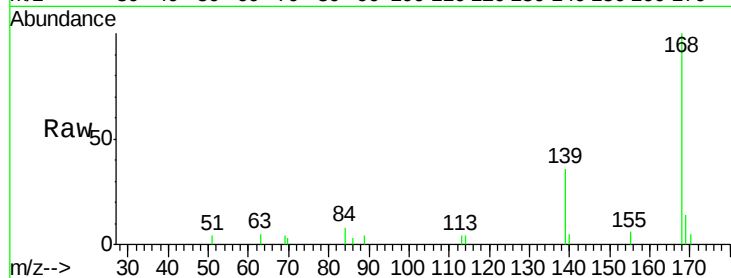
Tgt Ion:139 Resp: 3608

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

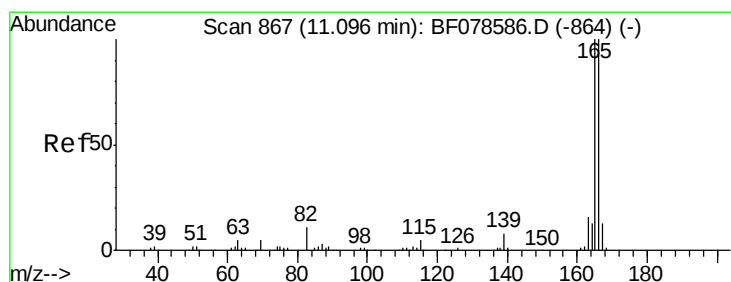
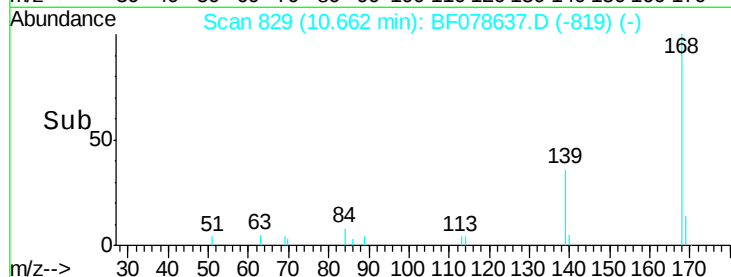
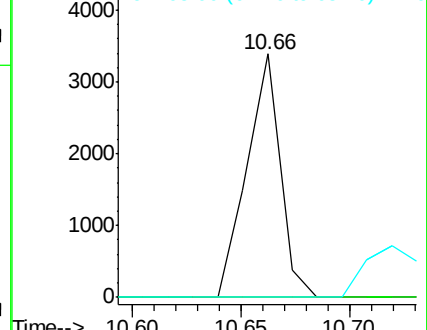
65 0.0 49.9 89.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#57

Fluorene

Concen: 2.29 ng

RT: 11.07 min Scan# 865

Delta R.T. -0.01 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

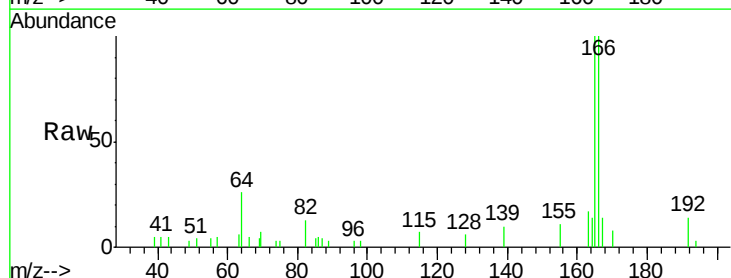
Tgt Ion:166 Resp: 13972

Ion Ratio Lower Upper

166 100

165 99.8 78.9 118.3

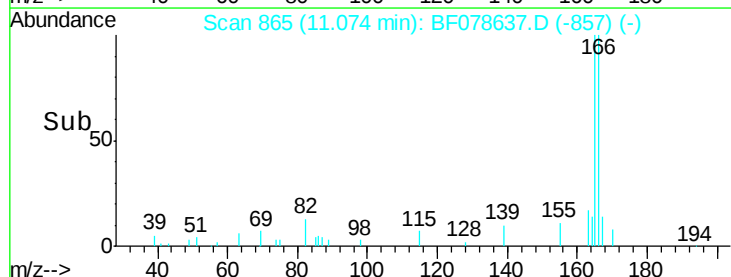
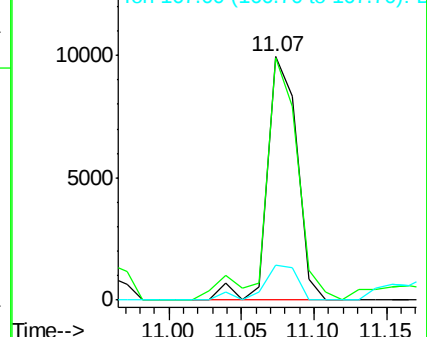
167 14.3 10.7 16.1

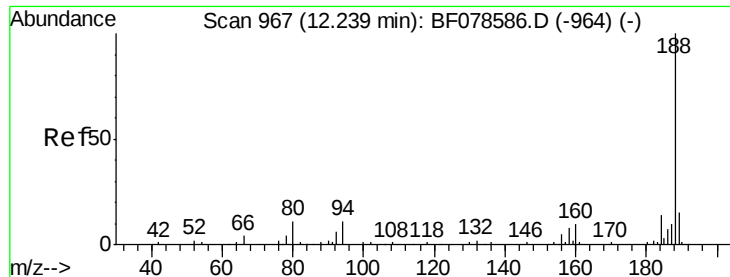


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

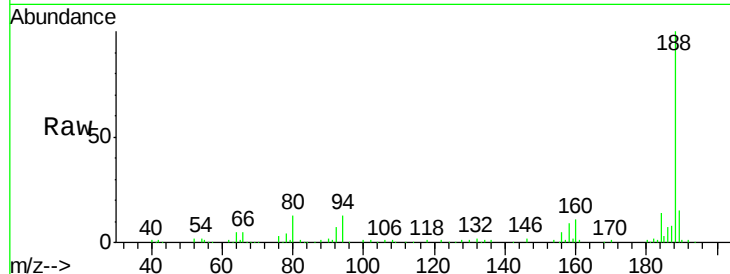




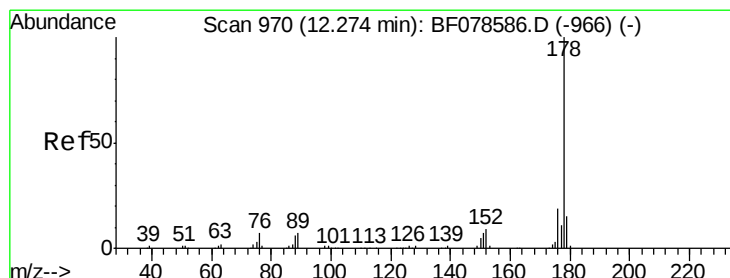
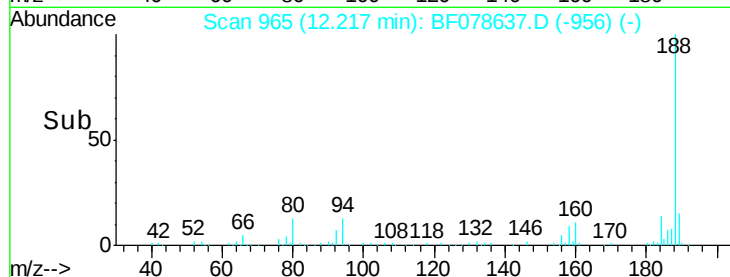
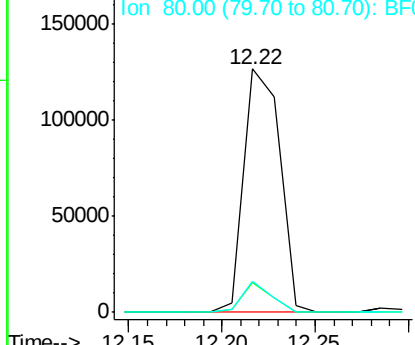
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 965
Delta R.T. 0.00 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

Instrument :
BNA_F
ClientSampleId :
SB-70S

Tgt Ion:188 Resp: 169417
Ion Ratio Lower Upper
188 100
94 12.5 9.0 13.4
80 13.0 9.5 14.3

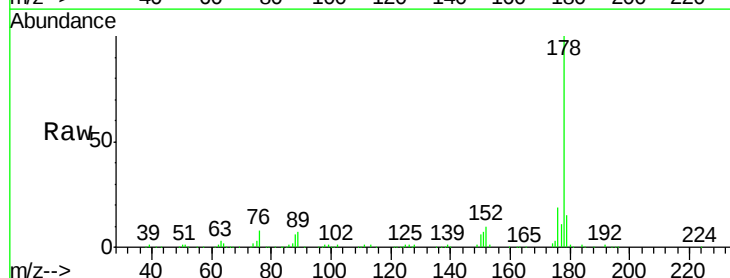


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

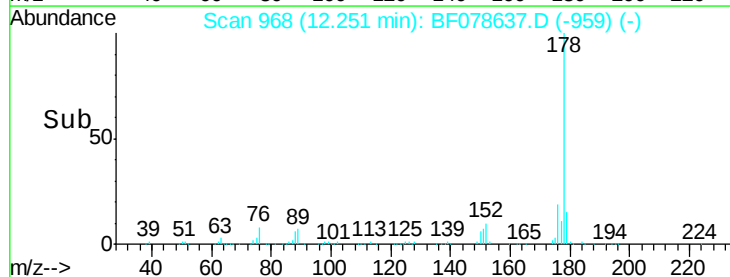
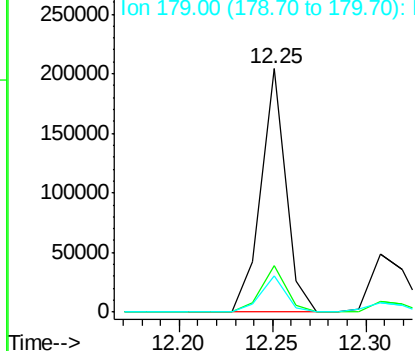


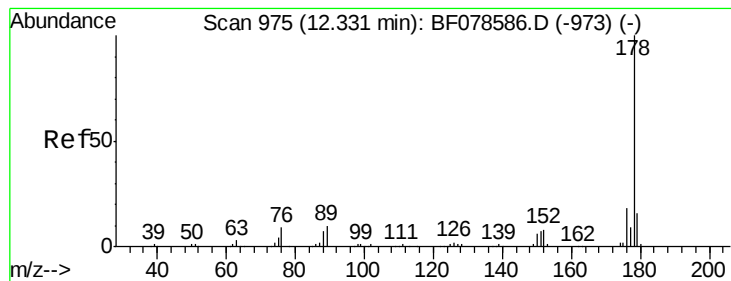
#70
Phenanthrene
Concen: 19.21 ng
RT: 12.25 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

Tgt Ion:178 Resp: 188228
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.0 12.2 18.2



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





#71

Anthracene

Concen: 6.14 ng

RT: 12.31 min Scan# 973

Delta R.T. 0.00 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

ClientSampleId :

SB-70S

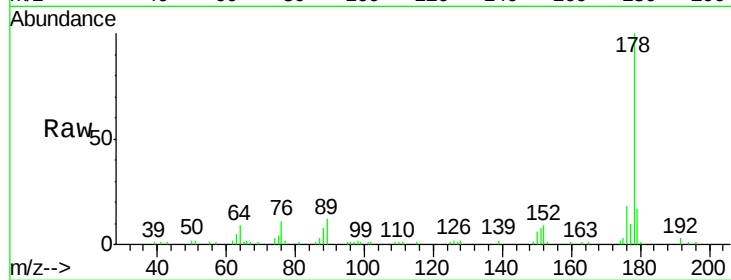
Tgt Ion:178 Resp: 59252

Ion Ratio Lower Upper

178 100

176 17.9 14.8 22.2

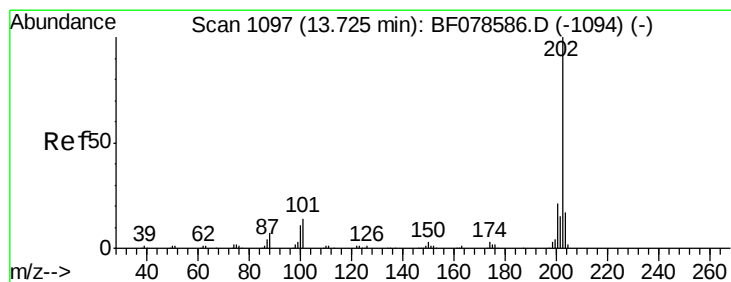
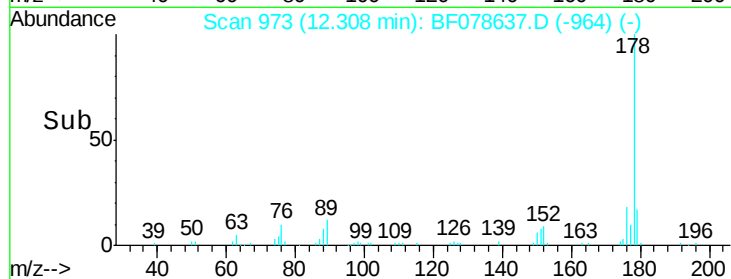
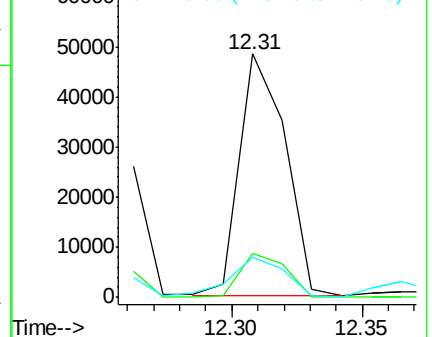
179 16.7 12.4 18.6



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



#74

Fluoranthene

Concen: 41.12 ng

RT: 13.71 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

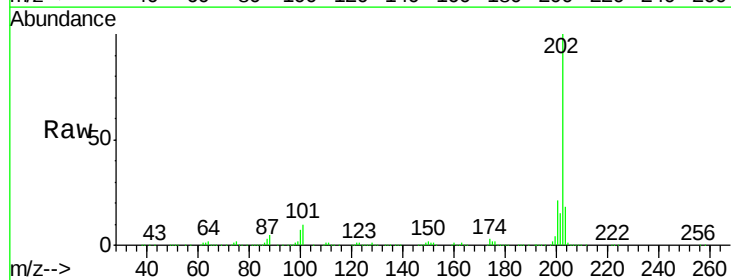
Tgt Ion:202 Resp: 424959

Ion Ratio Lower Upper

202 100

101 10.3 0.0 35.2

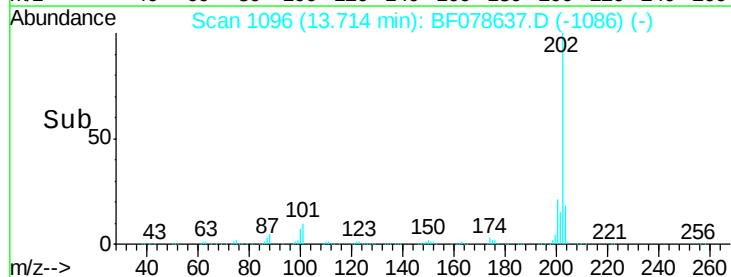
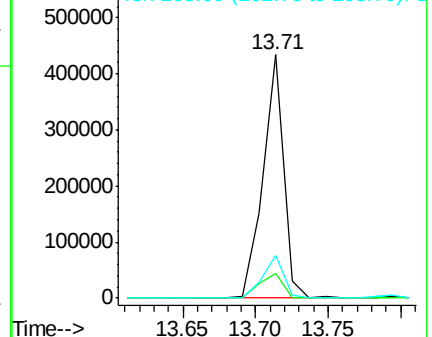
203 17.7 0.0 38.5

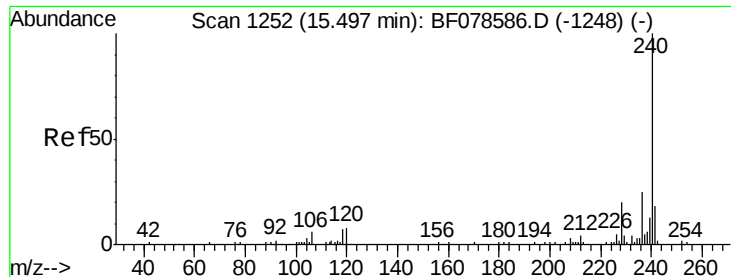


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.47 min Scan# 1250

Delta R.T. 0.01 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

ClientSampleId :

SB-70S

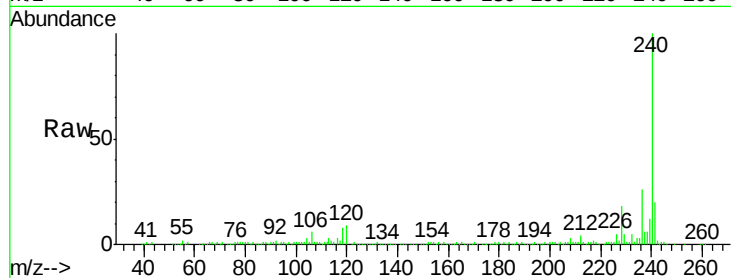
Tgt Ion:240 Resp: 187413

Ion Ratio Lower Upper

240 100

120 8.6 7.1 10.7

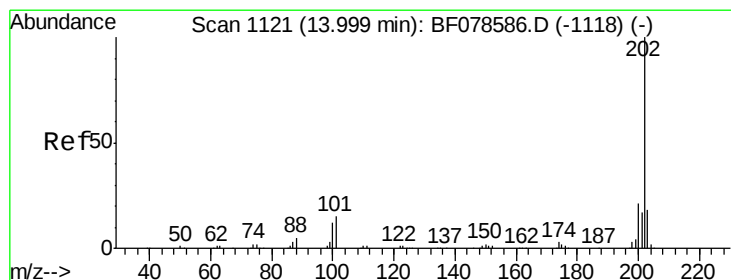
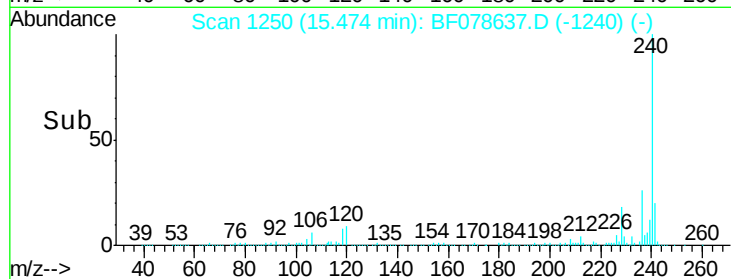
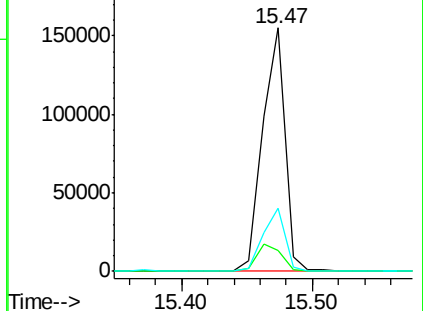
236 26.0 21.4 32.2



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: 34.97 ng

RT: 13.99 min Scan# 1120

Delta R.T. 0.01 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

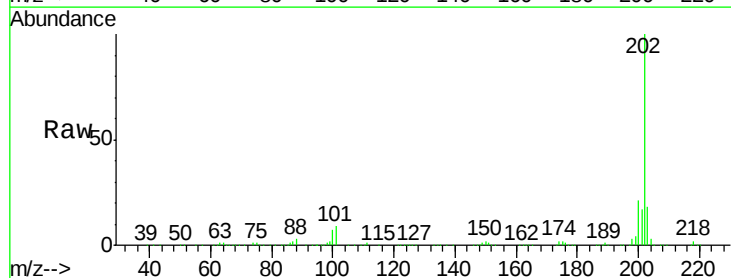
Tgt Ion:202 Resp: 411455

Ion Ratio Lower Upper

202 100

200 21.0 16.3 24.5

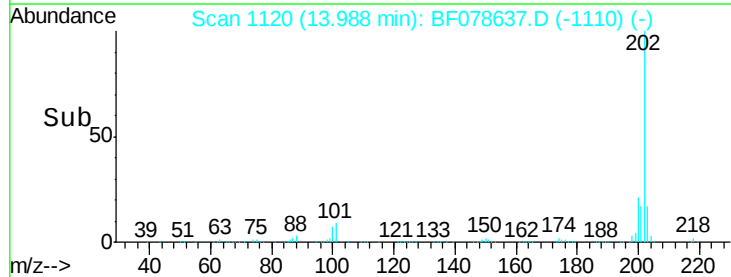
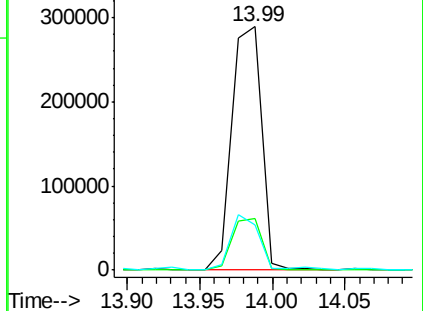
203 18.3 13.8 20.6

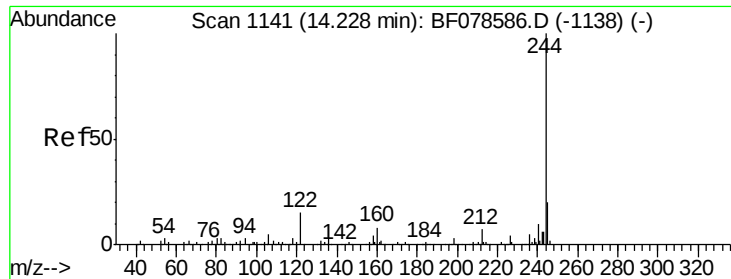


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.34 ng

RT: 14.22 min Scan# 1140

Delta R.T. 0.01 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

ClientSampleId :

SB-70S

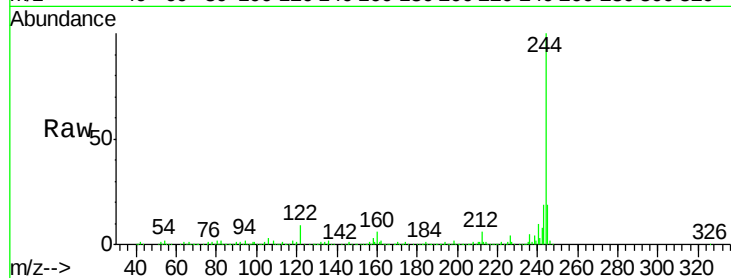
Tgt Ion:244 Resp: 624892

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

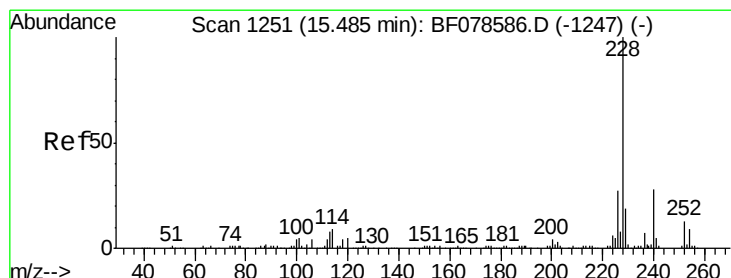
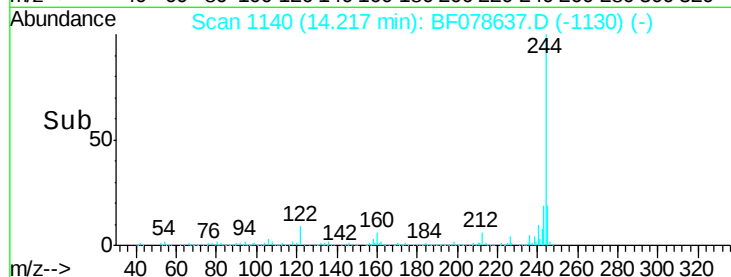
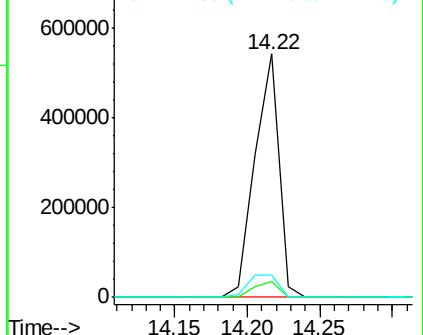
122 9.3 7.1 10.7



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: 19.62 ng

RT: 15.46 min Scan# 1249

Delta R.T. 0.01 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

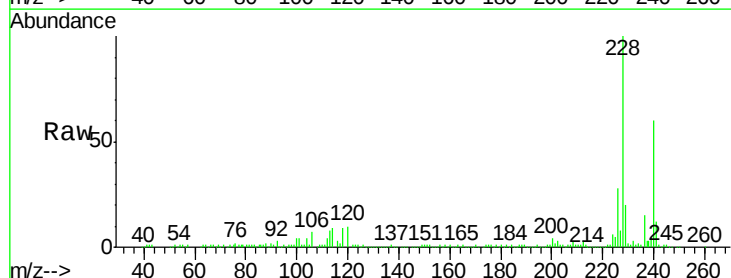
Tgt Ion:228 Resp: 218736

Ion Ratio Lower Upper

228 100

226 28.2 21.3 31.9

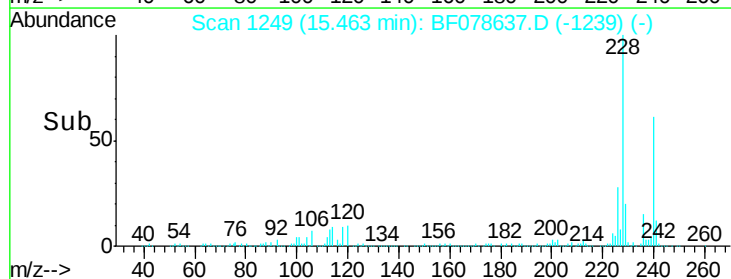
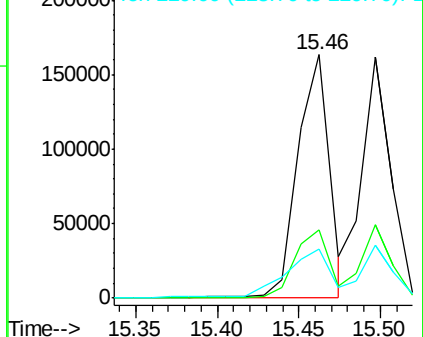
229 20.3 15.4 23.2

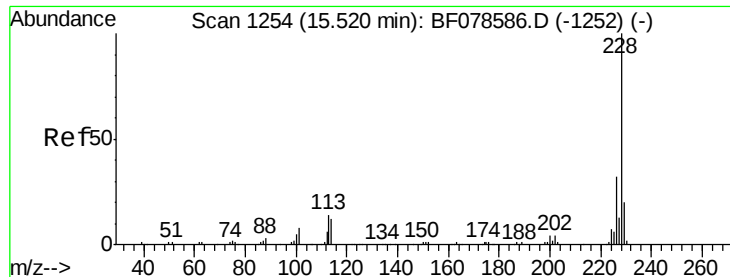


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 18.93 ng

RT: 15.50 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

ClientSampleId :

SB-70S

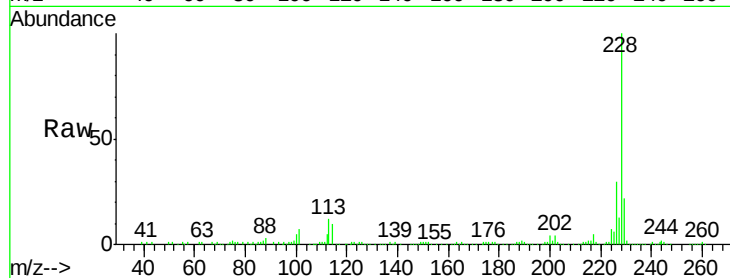
Tgt Ion:228 Resp: 198342

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

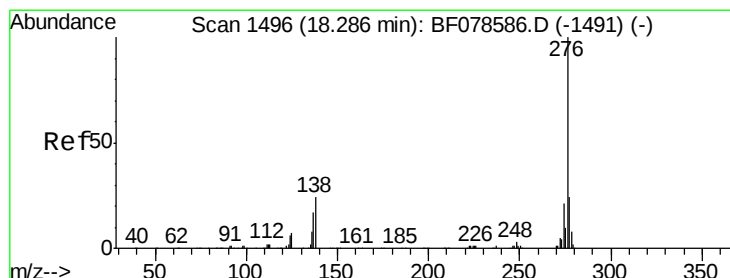
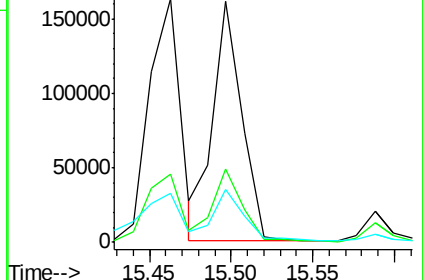
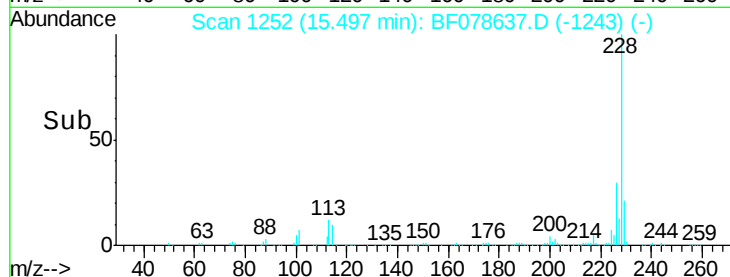
229 21.8 15.8 23.8



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: 12.81 ng

RT: 18.31 min Scan# 1498

Delta R.T. -0.03 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

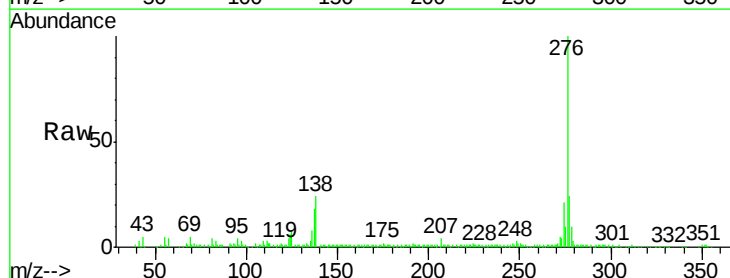
Tgt Ion:276 Resp: 152313

Ion Ratio Lower Upper

276 100

138 25.7 16.9 25.3#

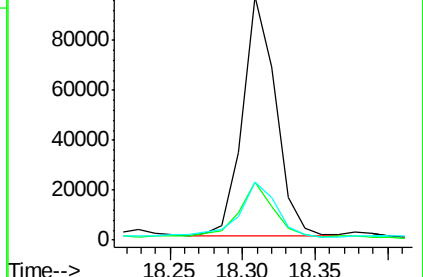
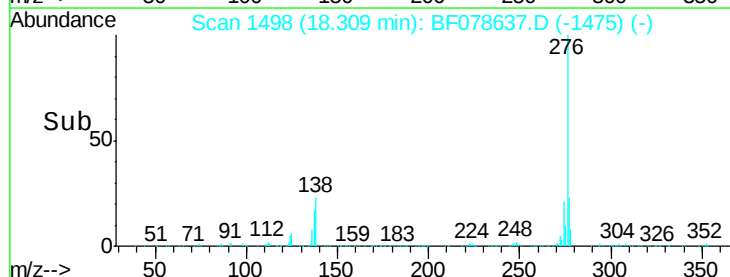
277 28.1 15.8 23.6#

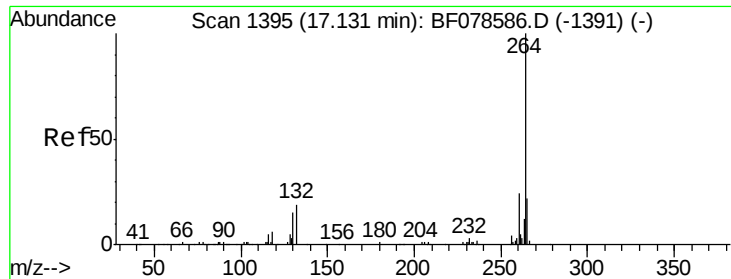


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

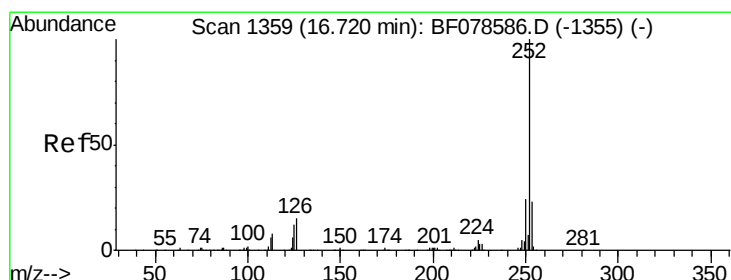
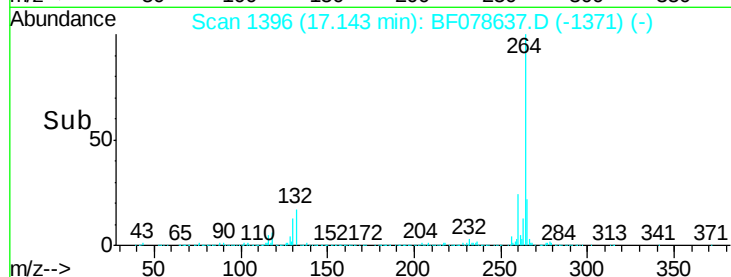
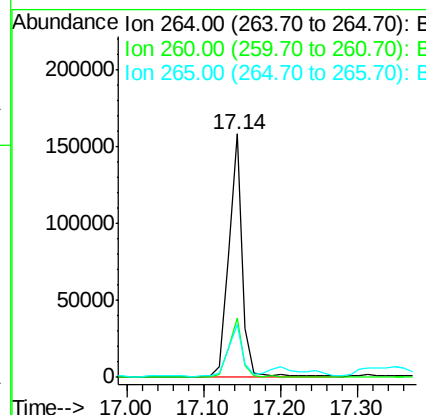
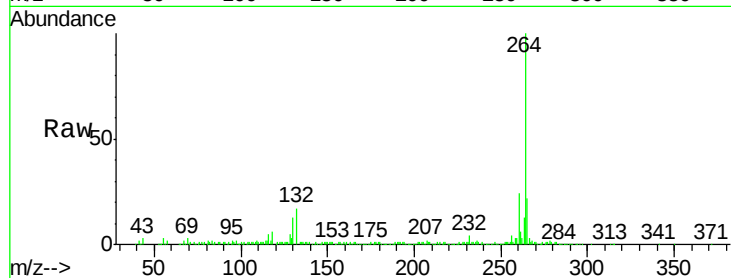




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.14 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

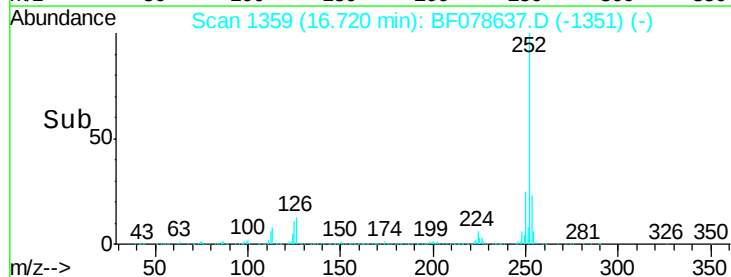
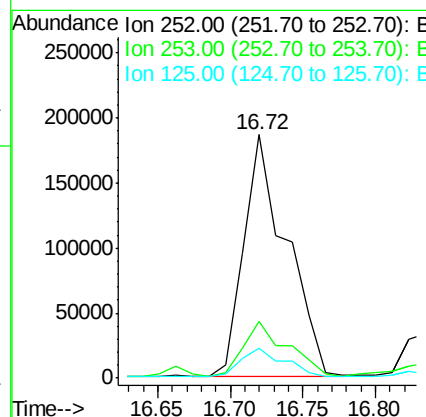
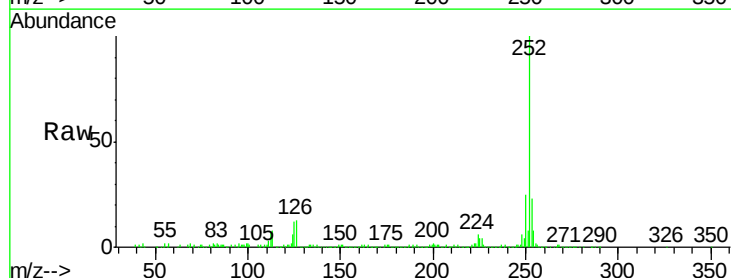
Instrument :
BNA_F
ClientSampleId :
SB-70S

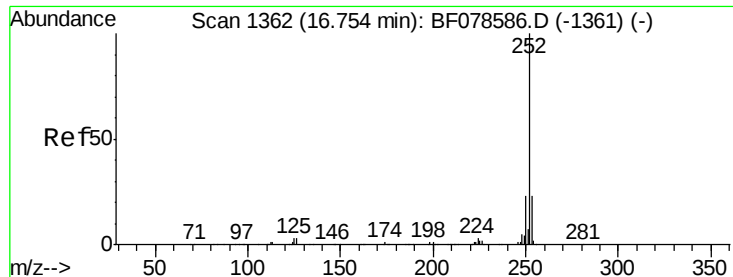
Tgt Ion:264 Resp: 195248
Ion Ratio Lower Upper
264 100
260 24.2 18.6 27.8
265 22.0 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 31.41 ng
RT: 16.72 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

Tgt Ion:252 Resp: 378981
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 12.0 7.0 10.4#

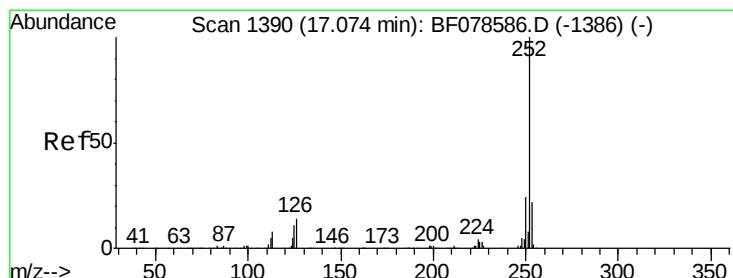
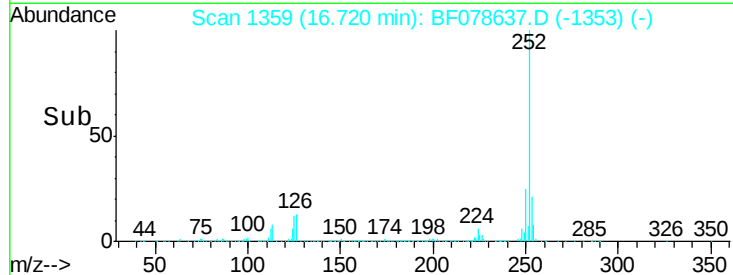
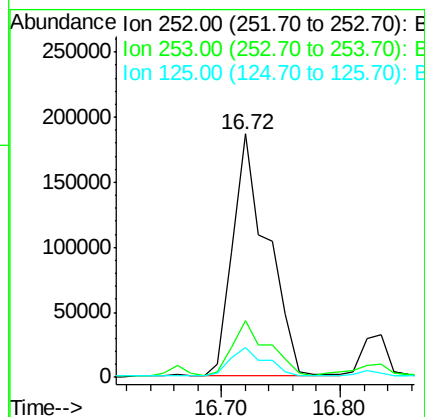
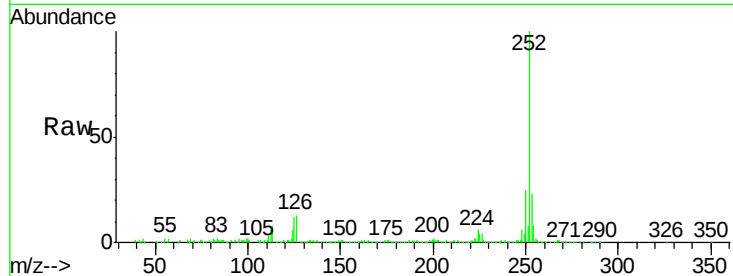




#88
Benzo(k)fluoranthene
Concen: 35.44 ng
RT: 16.72 min Scan# 1359
Delta R.T. -0.03 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

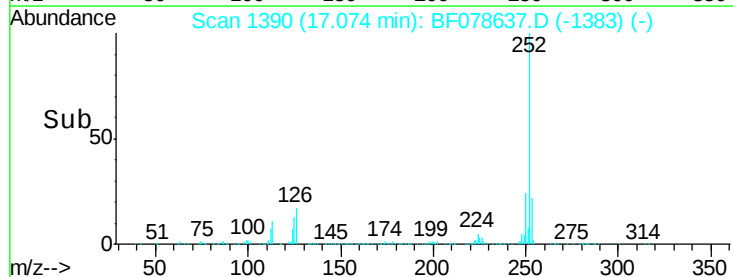
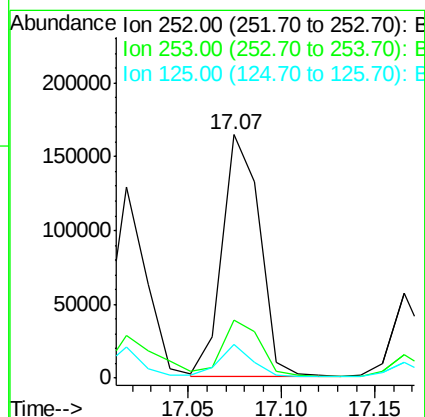
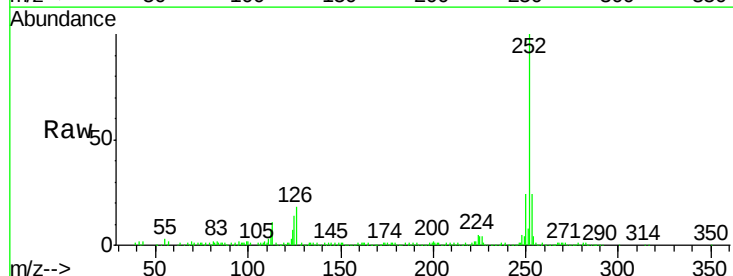
Instrument :
BNA_F
ClientSampleId :
SB-70S

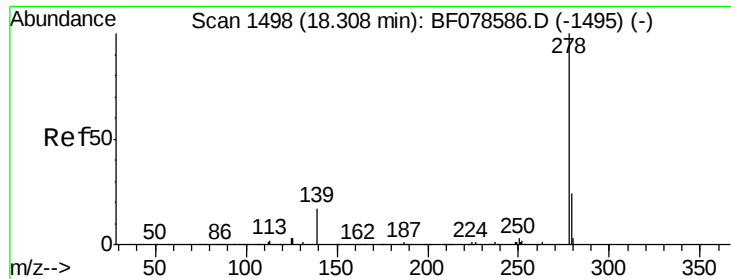
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	12.0	11.6	17.4



#89
Benzo(a)pyrene
Concen: 21.74 ng
RT: 17.07 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	16.8	25.2
125	13.8	7.4	11.0





#90

Dibenzo(a,h)anthracene

Concen: 3.46 ng

RT: 18.33 min Scan# 1500

Delta R.T. -0.03 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

ClientSampleId :

SB-70S

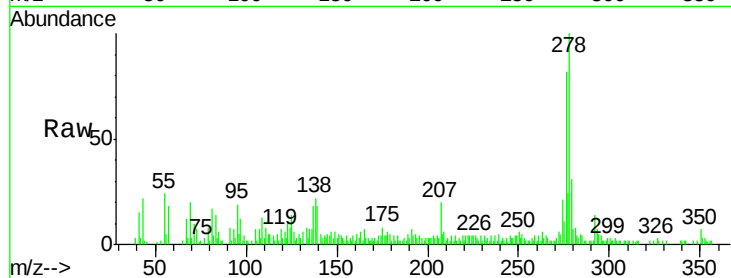
Tgt Ion: 278 Resp: 36429

Ion Ratio Lower Upper

278 100

139 18.0 13.6 20.4

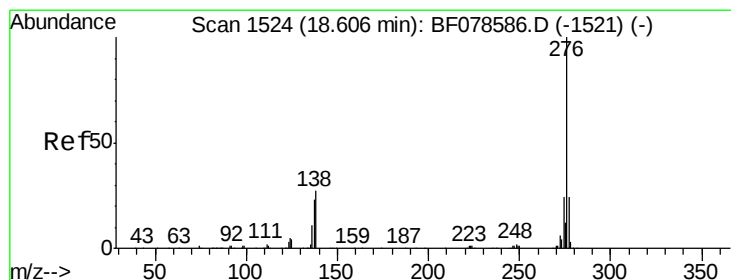
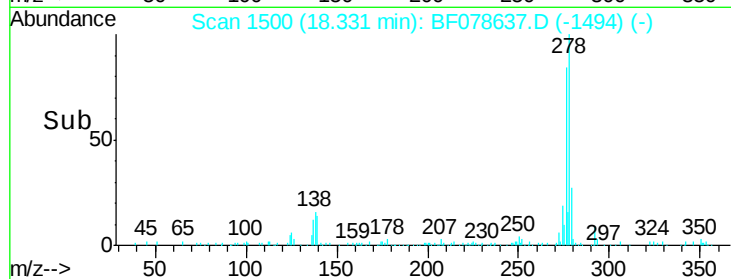
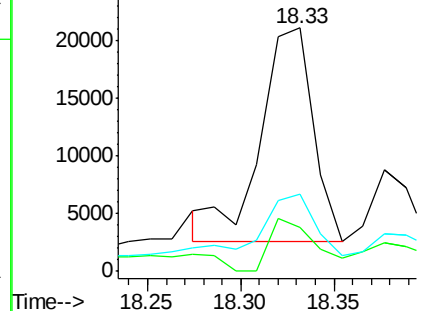
279 31.5 19.0 28.6#



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: 14.30 ng

RT: 18.64 min Scan# 1527

Delta R.T. -0.02 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

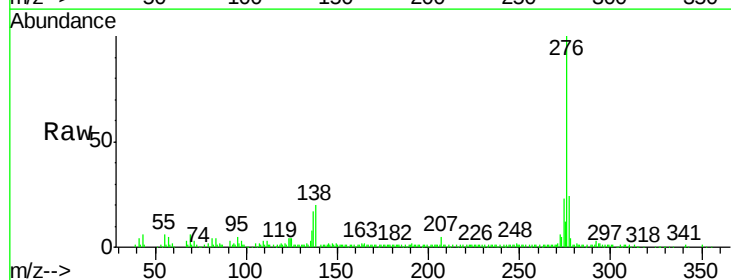
Tgt Ion: 276 Resp: 151184

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 19.6 19.9 29.9#



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

