

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
 Data File : BF078639.D
 Acq On : 18 Apr 2015 12:22
 Operator : TP/IZ
 Sample : G1891-10
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-68S

Quant Time: Apr 20 00:59:28 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

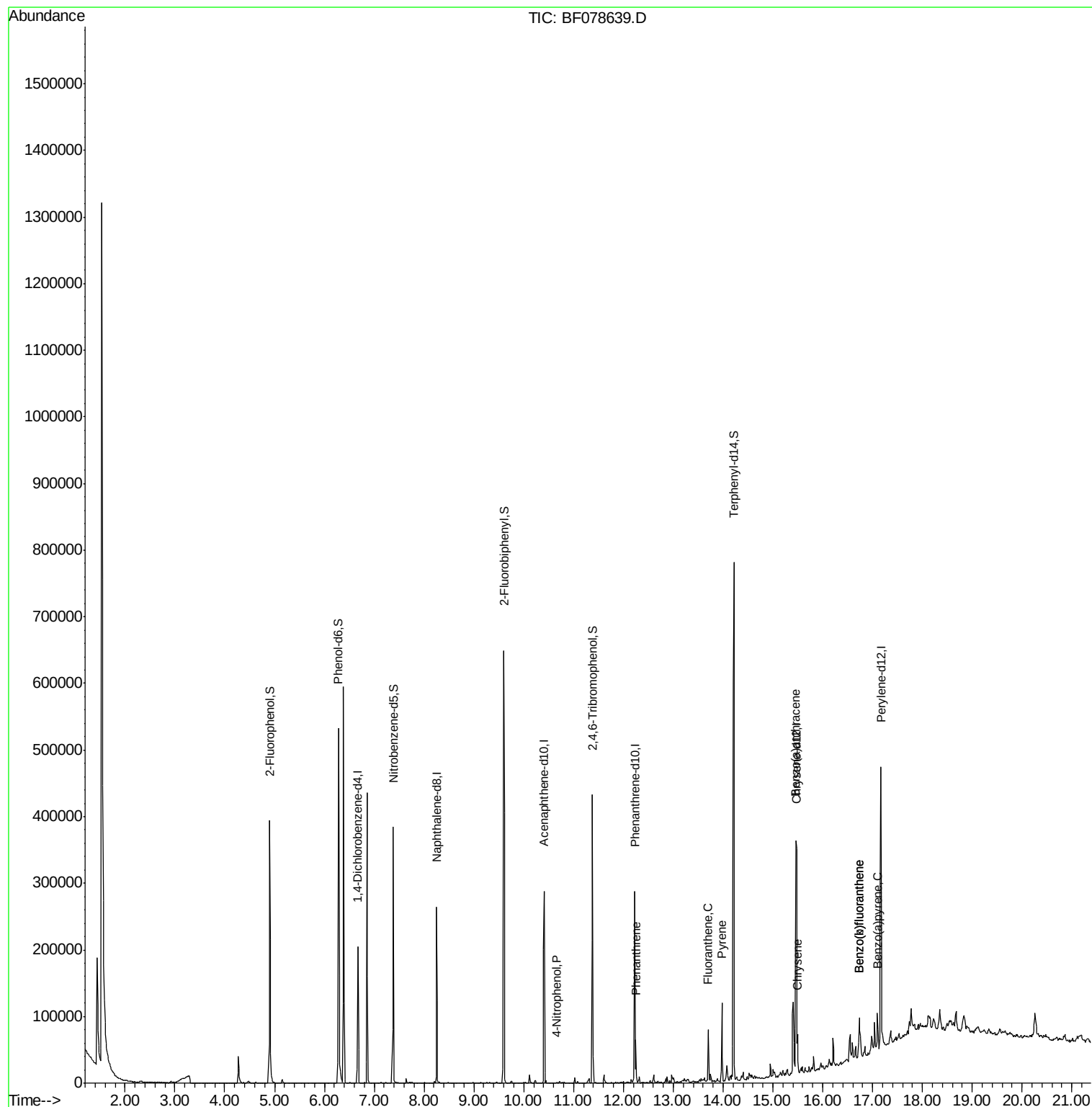
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	34515	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	143143	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	74536	20.00	ng	0.00
63) Phenanthrene-d10	12.23	188	154357	20.00	ng	0.01
75) Chrysene-d12	15.47	240	176425	20.00	ng	0.01
86) Perylene-d12	17.17	264	183081	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	154000	73.57	ng	0.00
7) Phenol-d6	6.28	99	198327	75.60	ng	0.00
23) Nitrobenzene-d5	7.38	82	124459	52.70	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	58616	94.82	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	267000	51.20	ng	0.00
78) Terphenyl-d14	14.22	244	353432	45.27	ng	0.01
Target Compounds						Qvalue
55) 4-Nitrophenol	10.66	139	332	3.10	ng	# 18
70) Phenanthrene	12.25	178	26612	2.98	ng	100
74) Fluoranthene	13.70	202	49411	5.25	ng	99
77) Pyrene	13.98	202	47268	4.27	ng	# 95
80) Benzo(a)anthracene	15.46	228	25655	2.44	ng	96
82) Chrysene	15.50	228	24038	2.44	ng	98
87) Benzo(b)fluoranthene	16.73	252	44312	3.92	ng	# 92
88) Benzo(k)fluoranthene	16.73	252	44526	4.43	ng	97
89) Benzo(a)pyrene	17.10	252	24324	2.46	ng	# 87

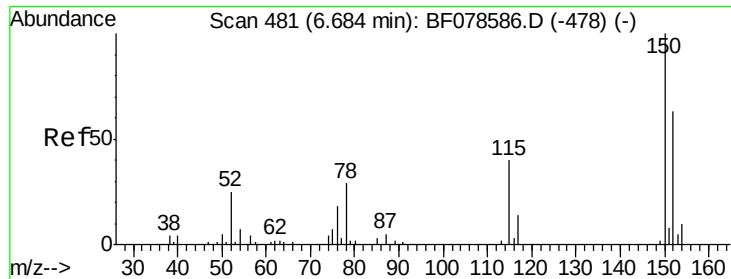
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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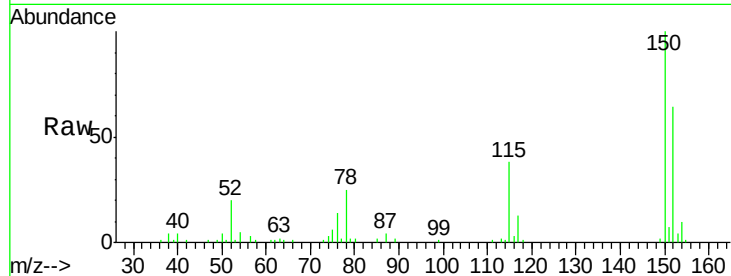




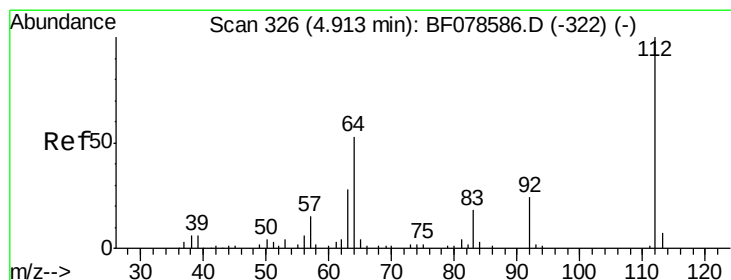
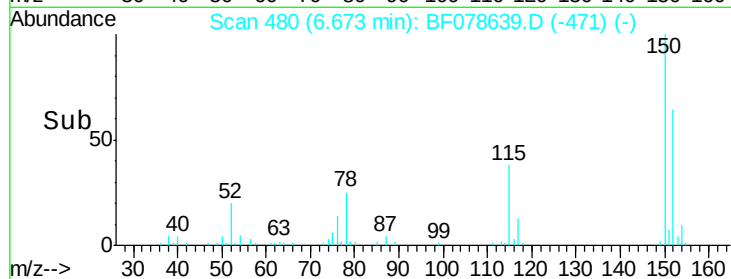
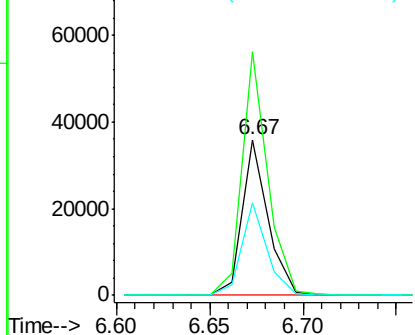
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 480
 Delta R.T. -0.00 min
 Lab File: BF078639.D
 Acq: 18 Apr 2015 12:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-68S

Tgt Ion:152 Resp: 34515
 Ion Ratio Lower Upper
 152 100
 150 156.3 125.9 188.9
 115 59.8 52.7 79.1

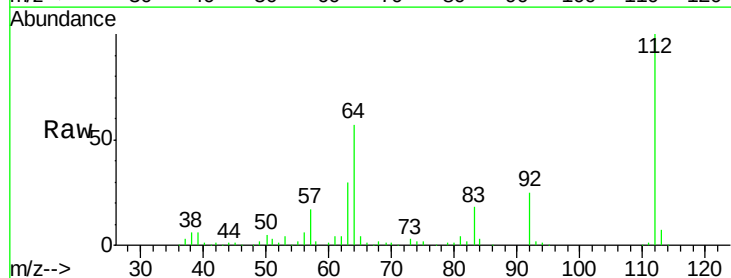


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

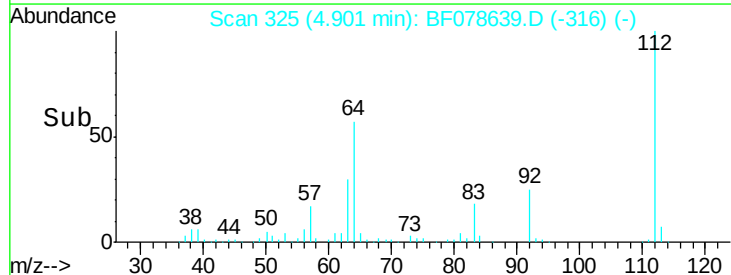
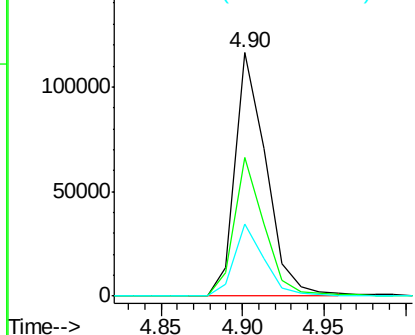


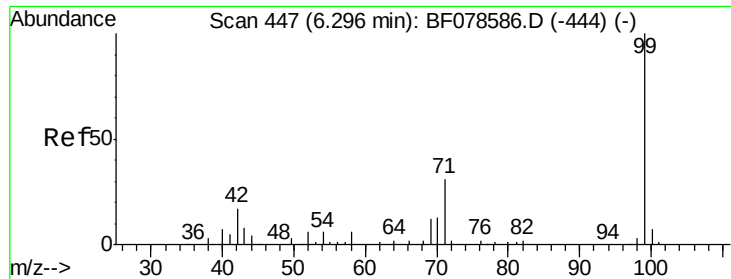
#5
 2-Fluorophenol
 Concen: 73.57 ng
 RT: 4.90 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: BF078639.D
 Acq: 18 Apr 2015 12:22

Tgt Ion:112 Resp: 154000
 Ion Ratio Lower Upper
 112 100
 64 56.9 39.9 59.9
 63 29.6 20.2 30.4



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: 75.60 ng

RT: 6.28 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF078639.D

Acq: 18 Apr 2015 12:22

Instrument :

BNA_F

ClientSampleId :

SB-68S

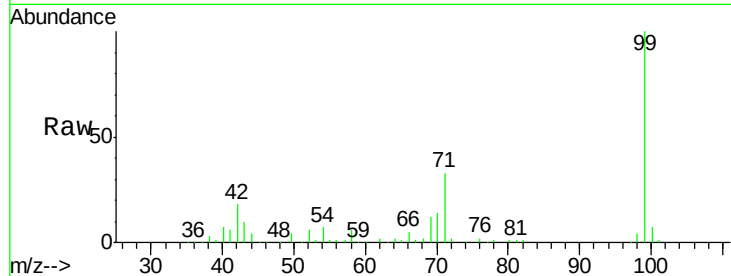
Tgt Ion: 99 Resp: 198327

Ion Ratio Lower Upper

99 100

42 18.2 14.8 22.2

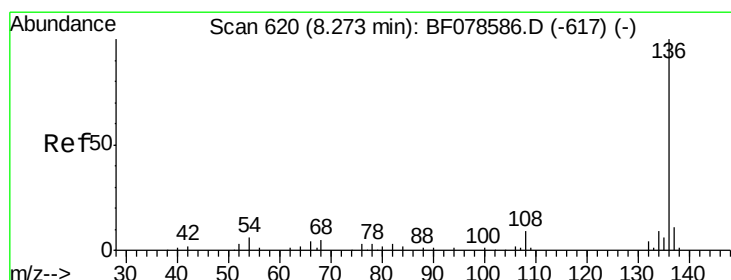
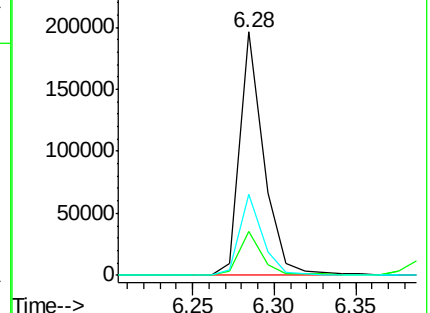
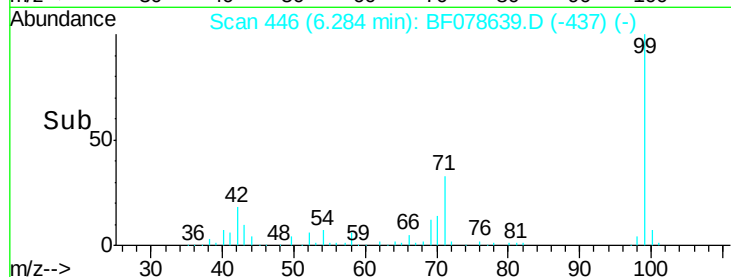
71 33.1 26.6 39.8



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: BF078639.D

Acq: 18 Apr 2015 12:22

Tgt Ion: 136 Resp: 143143

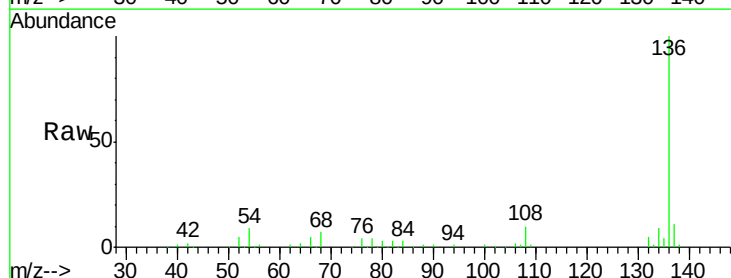
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 8.7 7.0 10.6

68 6.5 5.4 8.2

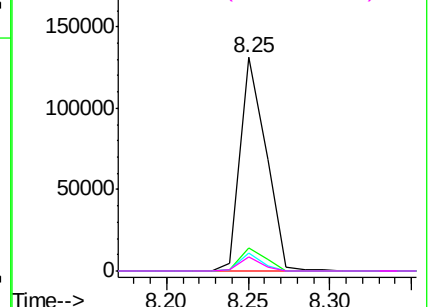
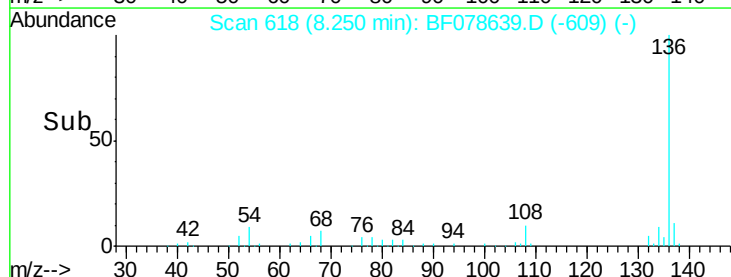


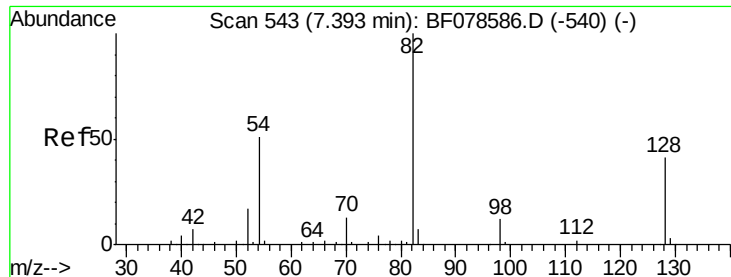
Abundance Ion 136.00 (135.70 to 136.70): E

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

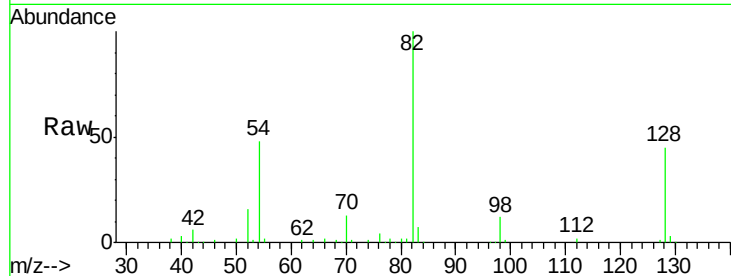




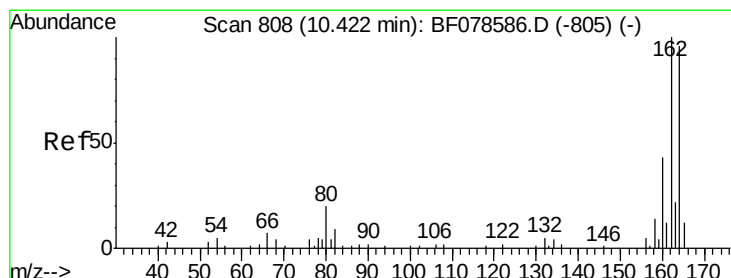
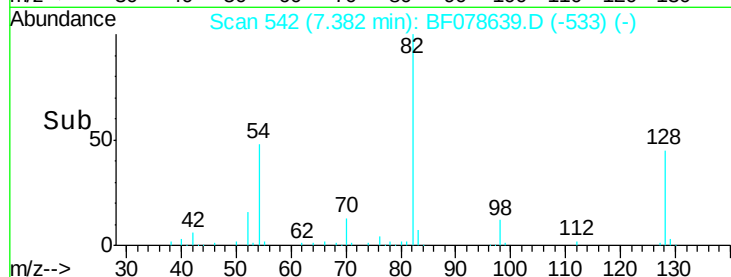
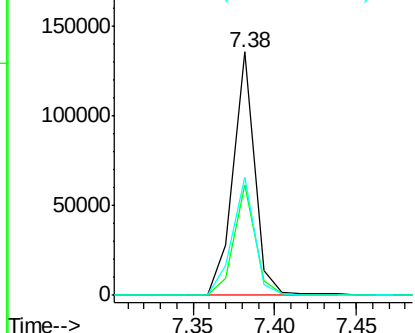
#23
 Nitrobenzene-d5
 Concen: 52.70 ng
 RT: 7.38 min Scan# 542
 Delta R.T. -0.00 min
 Lab File: BF078639.D
 Acq: 18 Apr 2015 12:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-68S

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.2	31.8	47.8
54	48.3	41.5	62.3

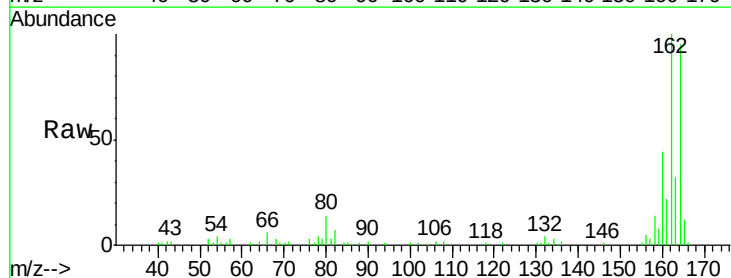


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

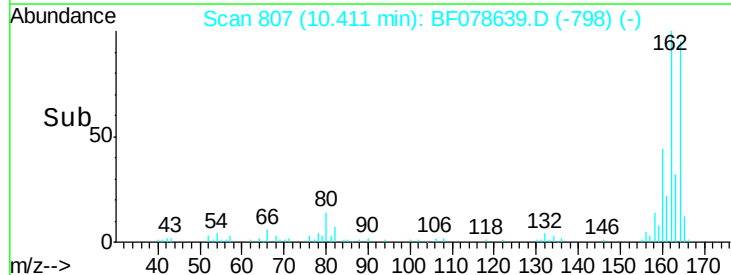
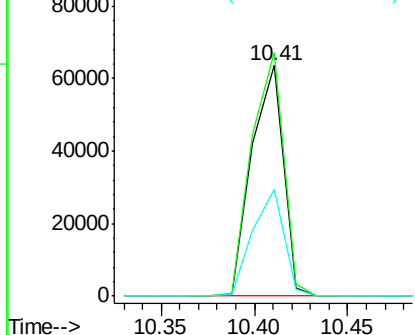


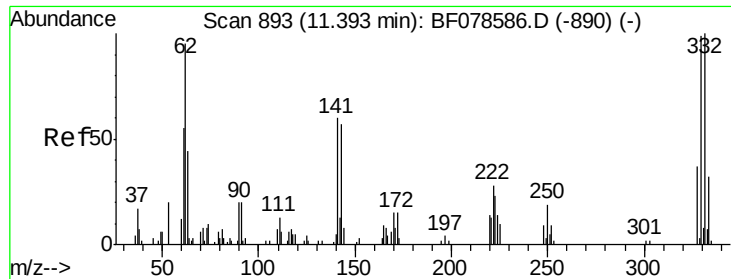
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.41 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF078639.D
 Acq: 18 Apr 2015 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.2	123.2
160	46.0	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

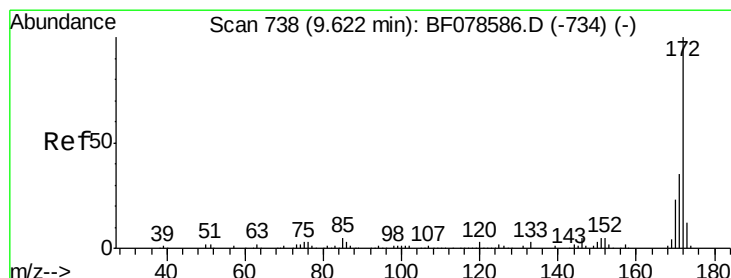
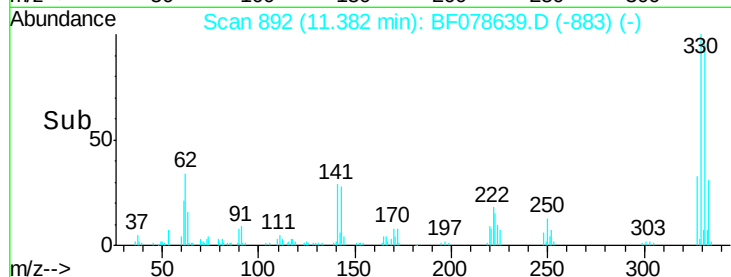
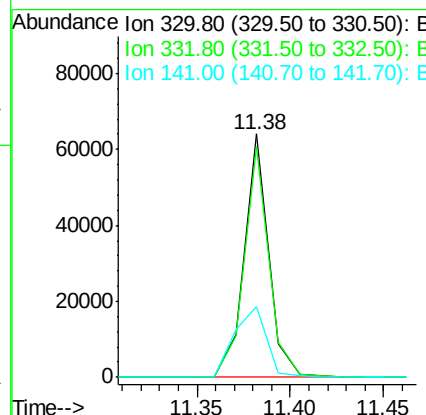
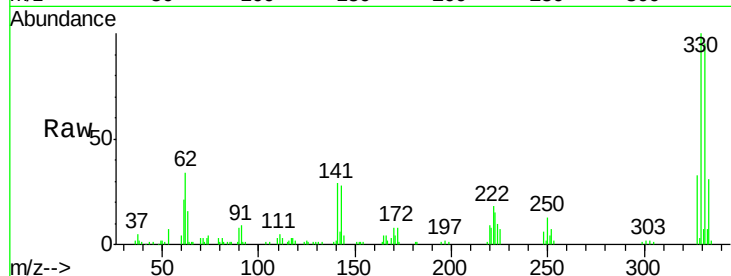




#41
 2,4,6-Tribromophenol
 Concen: 94.82 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: BF078639.D
 Acq: 18 Apr 2015 12:22

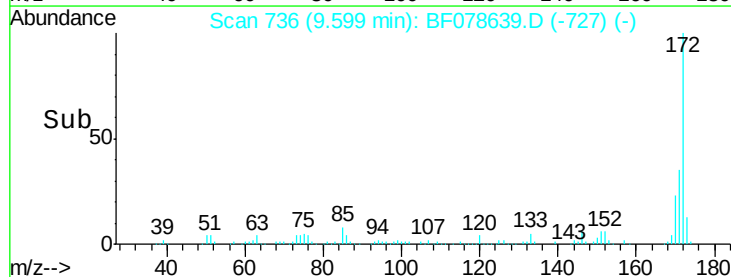
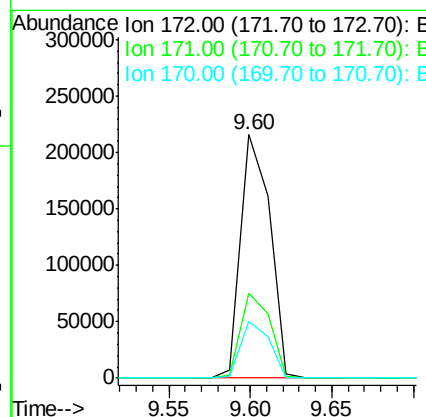
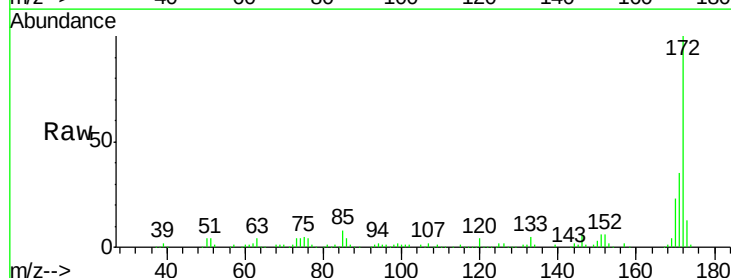
Instrument :
 BNA_F
 ClientSampleId :
 SB-68S

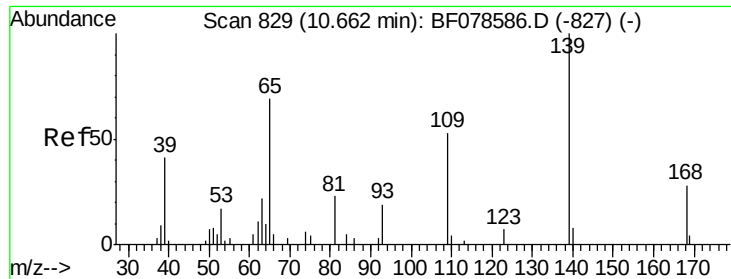
Tgt Ion:330 Resp: 58616
 Ion Ratio Lower Upper
 330 100
 332 96.3 78.6 117.8
 141 38.2 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 51.20 ng
 RT: 9.60 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BF078639.D
 Acq: 18 Apr 2015 12:22

Tgt Ion:172 Resp: 267000
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.6 42.8
 170 23.2 18.5 27.7





#55

4-Nitrophenol

Concen: 3.10 ng

RT: 10.66 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF078639.D

Acq: 18 Apr 2015 12:22

Instrument :

BNA_F

ClientSampleId :

SB-68S

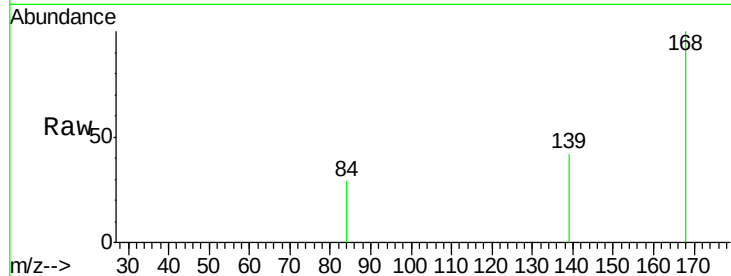
Tgt Ion:139 Resp: 332

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

10.66

600

500

400

300

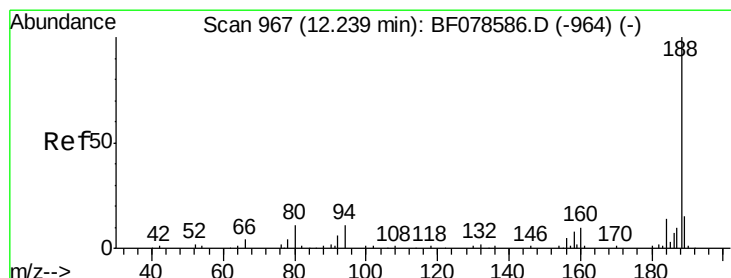
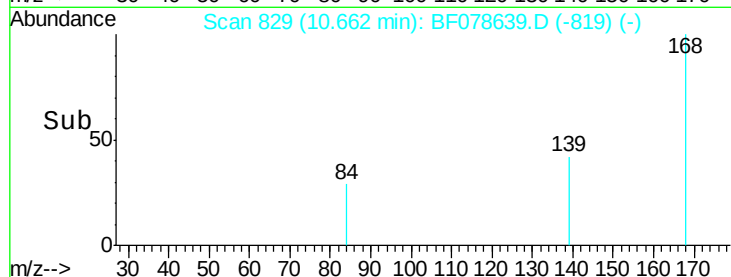
200

100

0

10.65

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.23 min Scan# 966

Delta R.T. 0.01 min

Lab File: BF078639.D

Acq: 18 Apr 2015 12:22

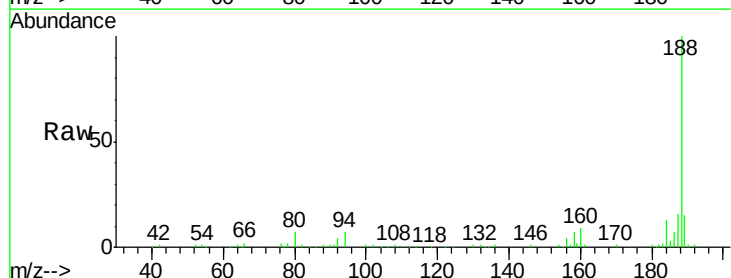
Tgt Ion:188 Resp: 154357

Ion Ratio Lower Upper

188 100

94 6.6 9.0 13.4#

80 7.2 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

12.23

150000

100000

50000

0

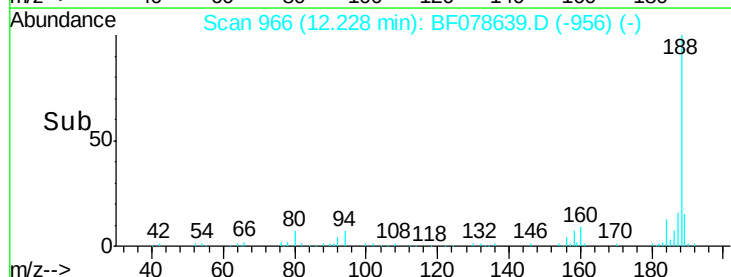
12.15

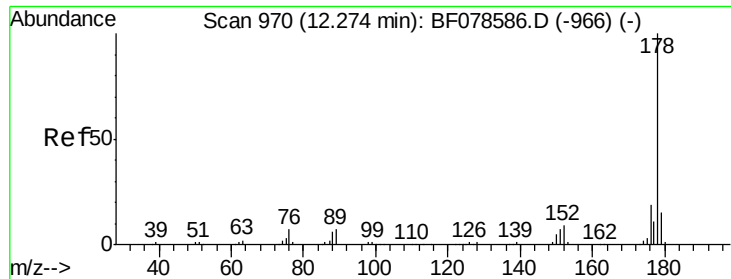
12.20

12.25

12.30

Time-->

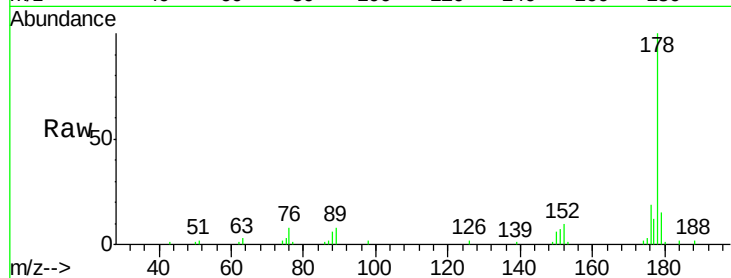




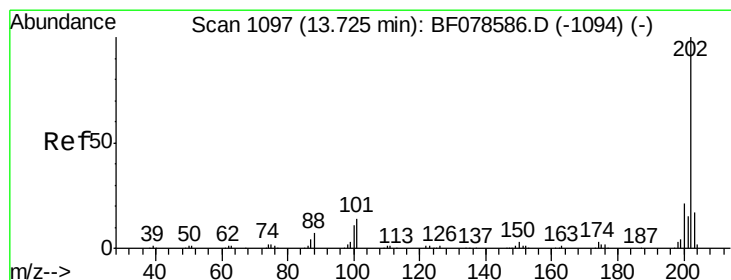
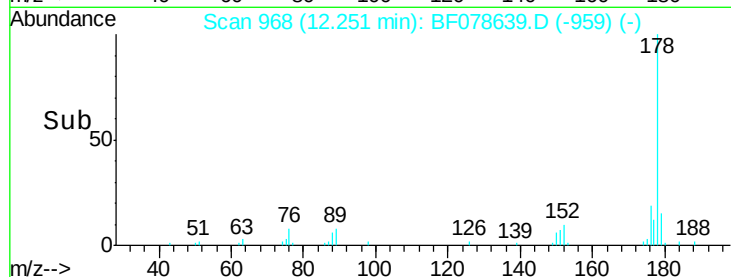
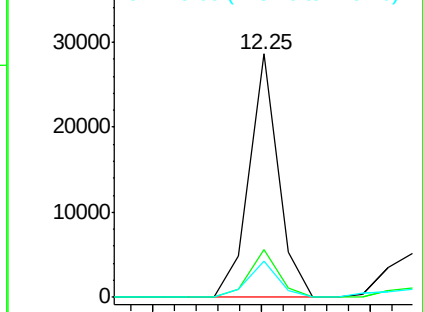
#70
Phenanthrene
Concen: 2.98 ng
RT: 12.25 min Scan# 968
Delta R.T. -0.00 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

Instrument :
BNA_F
ClientSampleId :
SB-68S

Tgt Ion:178 Resp: 26612
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.2 12.2 18.2

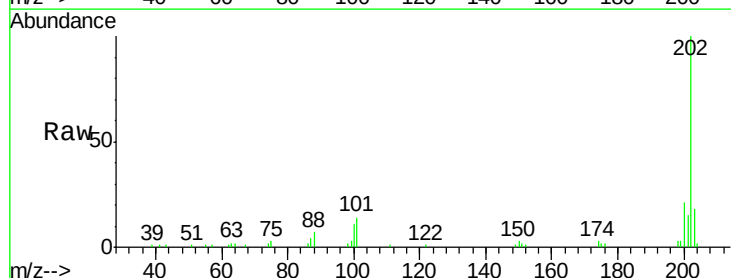


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

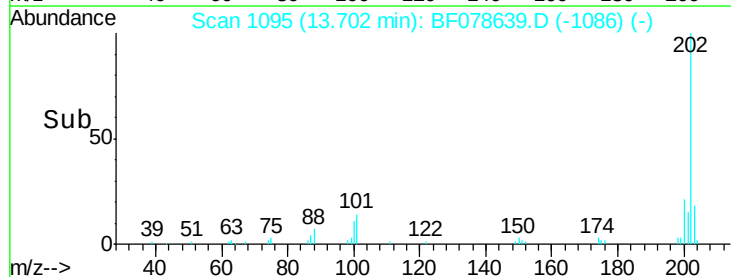
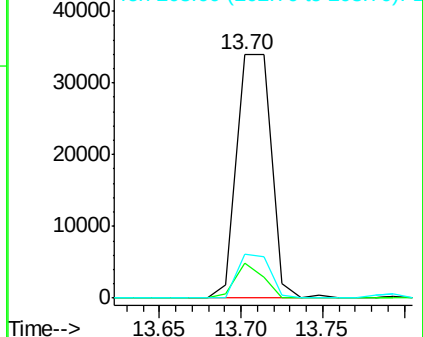


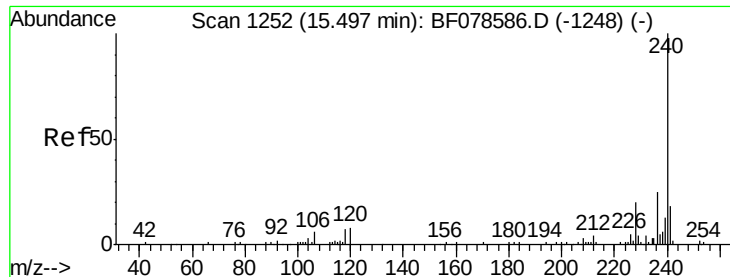
#74
Fluoranthene
Concen: 5.25 ng
RT: 13.70 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

Tgt Ion:202 Resp: 49411
Ion Ratio Lower Upper
202 100
101 14.5 0.0 35.2
203 18.1 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

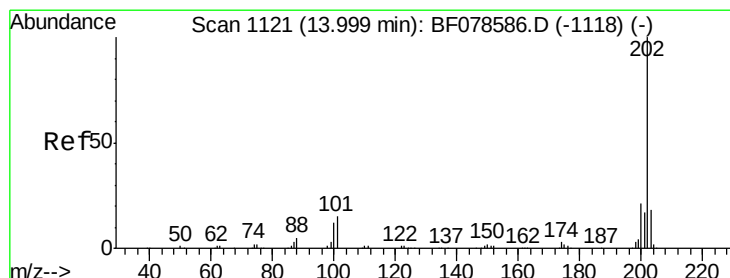
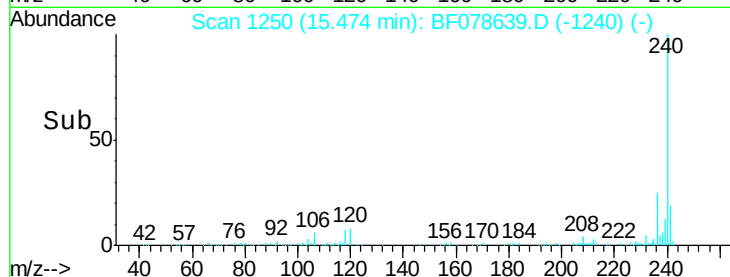
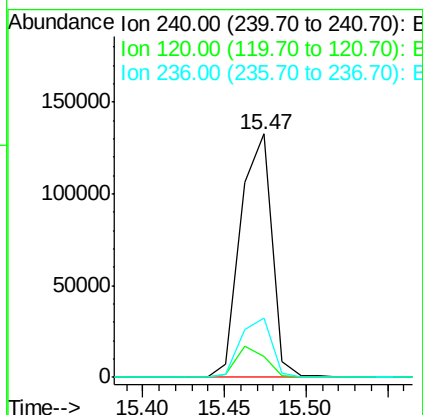
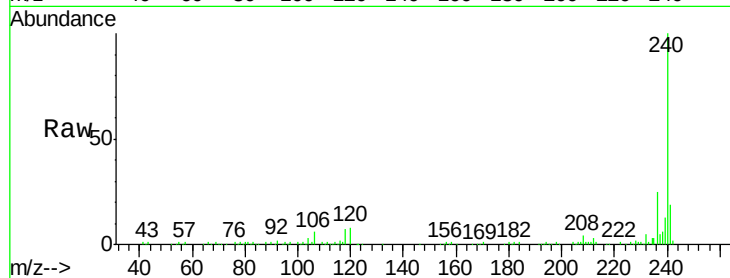




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1250
Delta R.T. 0.01 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

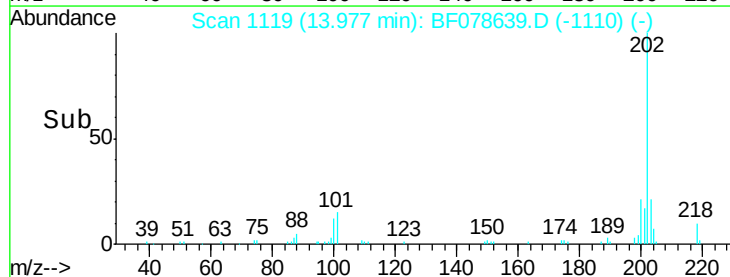
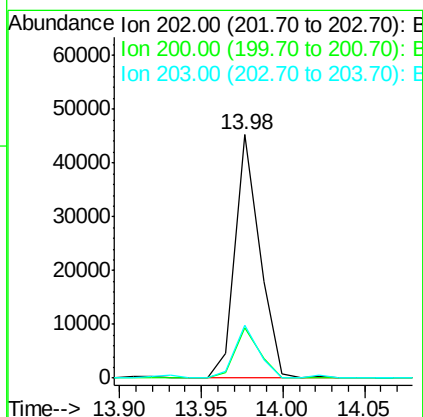
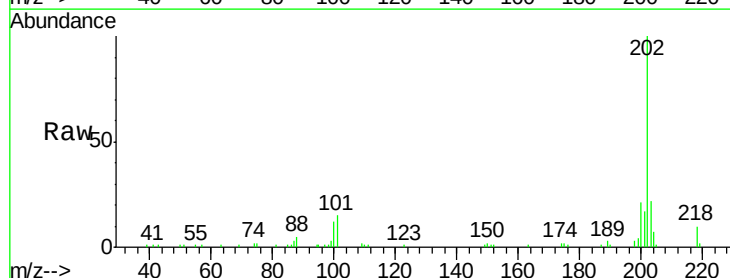
Instrument :
BNA_F
ClientSampleId :
SB-68S

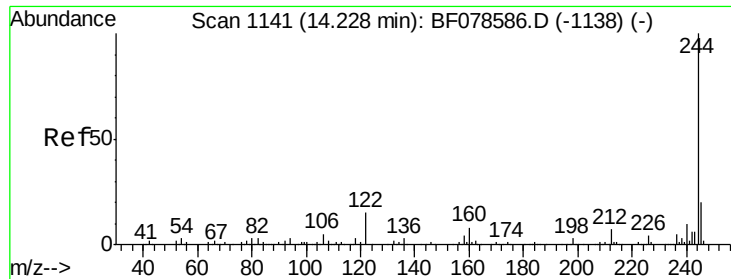
Tgt Ion:240 Resp: 176425
Ion Ratio Lower Upper
240 100
120 8.5 7.1 10.7
236 24.6 21.4 32.2



#77
Pyrene
Concen: 4.27 ng
RT: 13.98 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

Tgt Ion:202 Resp: 47268
Ion Ratio Lower Upper
202 100
200 20.7 16.3 24.5
203 21.8 13.8 20.6#

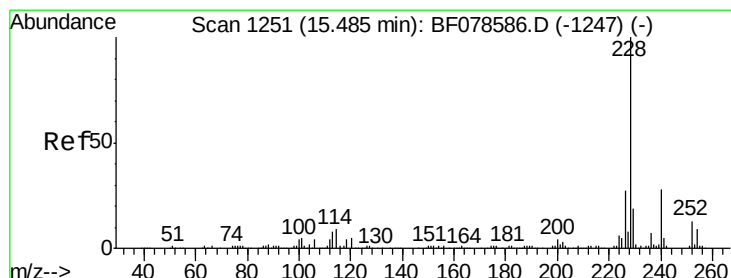
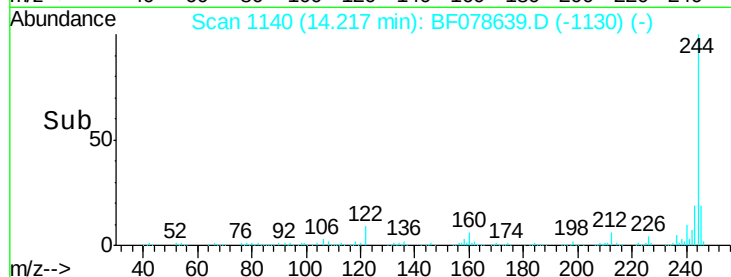
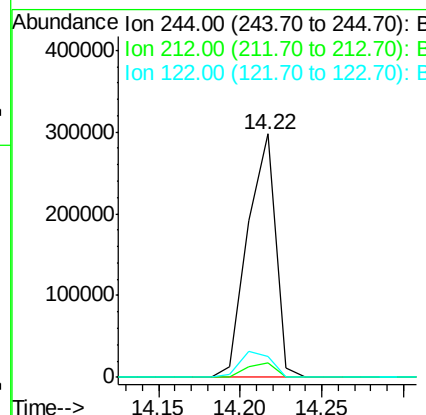
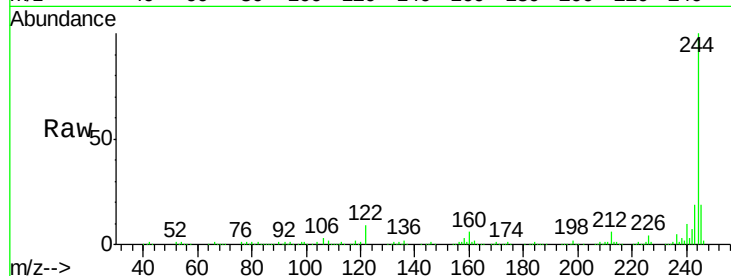




#78
 Terphenyl-d14
 Concen: 45.27 ng
 RT: 14.22 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: BF078639.D
 Acq: 18 Apr 2015 12:22

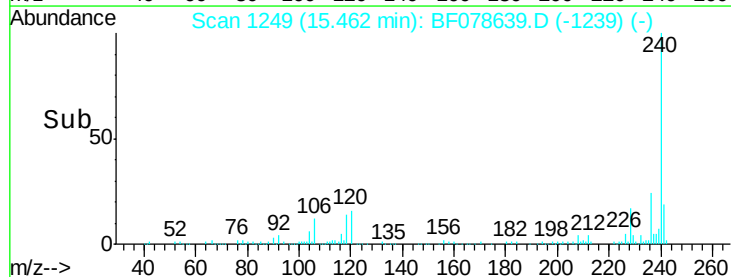
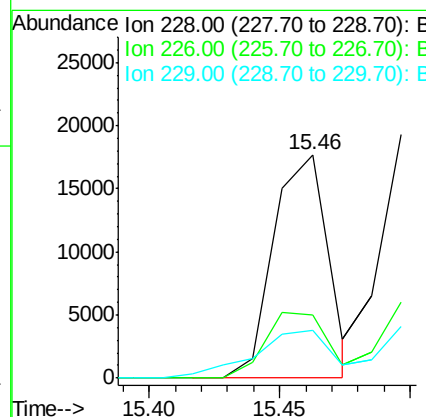
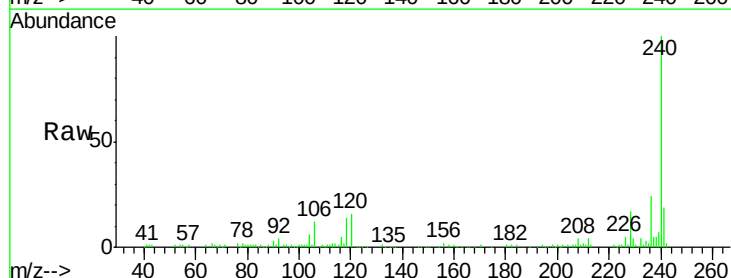
Instrument :
 BNA_F
 ClientSampleId :
 SB-68S

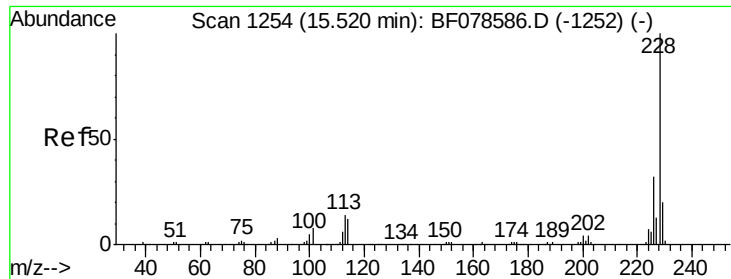
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.0	7.4
122	8.6	7.1	10.7



#80
 Benzo(a)anthracene
 Concen: 2.44 ng
 RT: 15.46 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: BF078639.D
 Acq: 18 Apr 2015 12:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.3	31.9
229	21.2	15.4	23.2





#82

Chrysene

Concen: 2.44 ng

RT: 15.50 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BF078639.D

Acq: 18 Apr 2015 12:22

Instrument :

BNA_F

ClientSampleId :

SB-68S

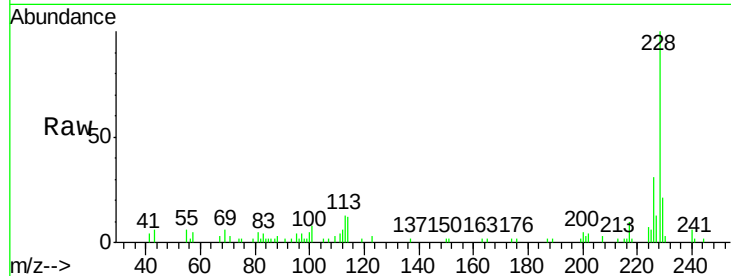
Tgt Ion:228 Resp: 24038

Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.4

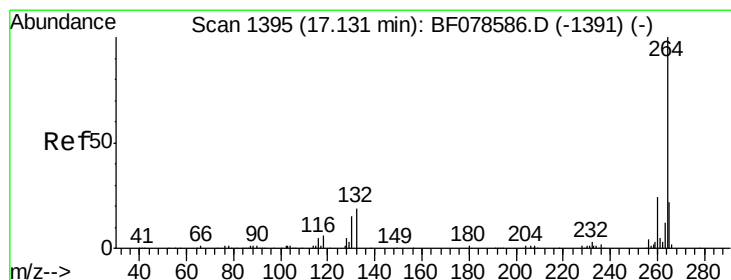
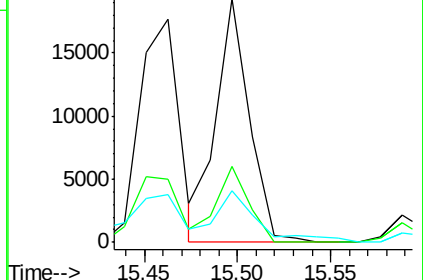
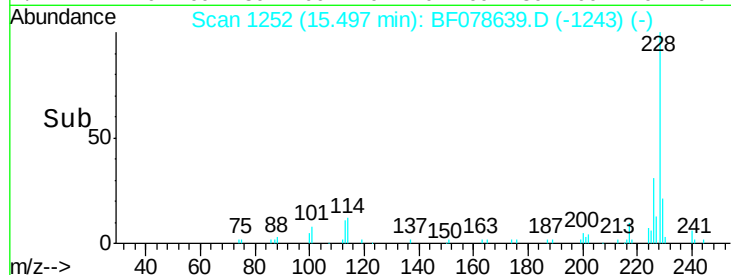
229 21.1 15.8 23.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.17 min Scan# 1398

Delta R.T. 0.01 min

Lab File: BF078639.D

Acq: 18 Apr 2015 12:22

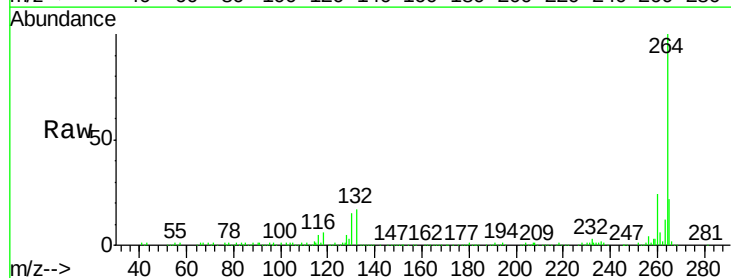
Tgt Ion:264 Resp: 183081

Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

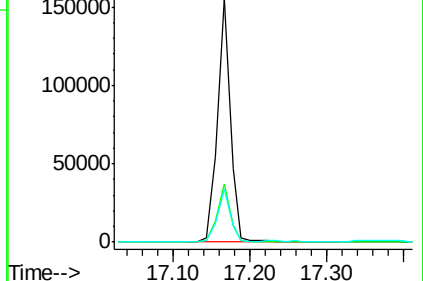
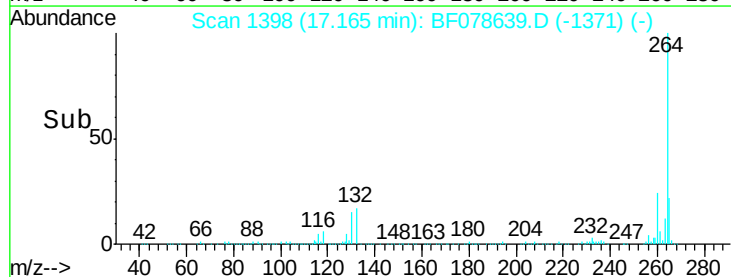
265 21.9 17.0 25.6

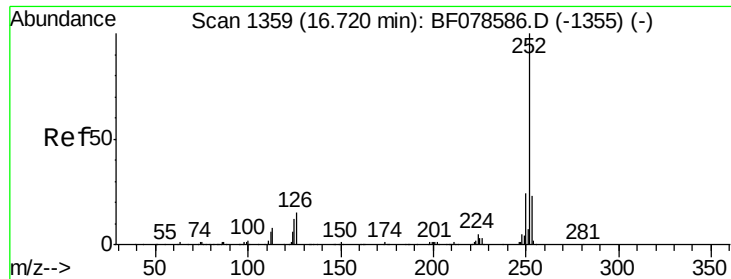


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

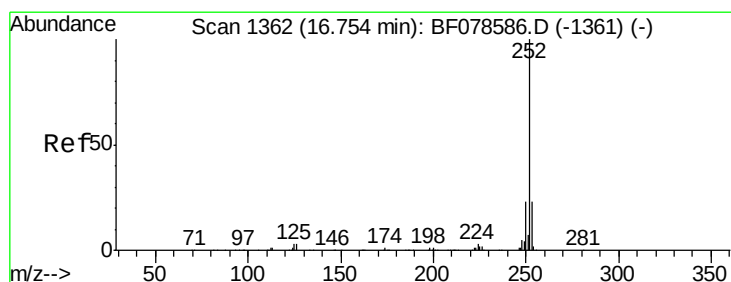
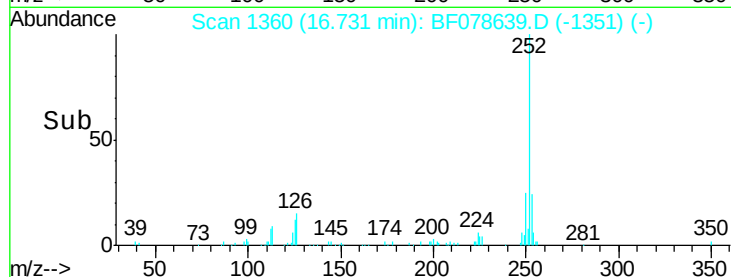
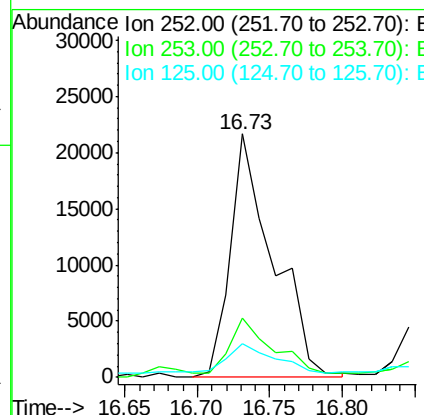
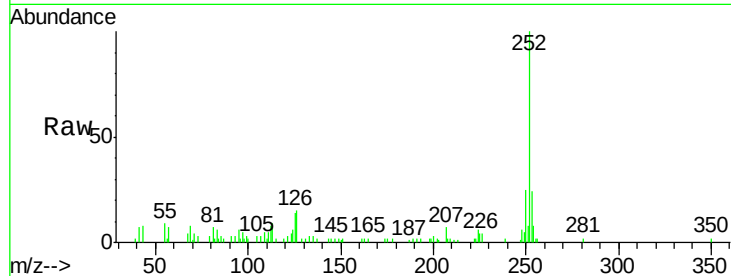




#87
Benzo(b)fluoranthene
Concen: 3.92 ng
RT: 16.73 min Scan# 1360
Delta R.T. -0.00 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

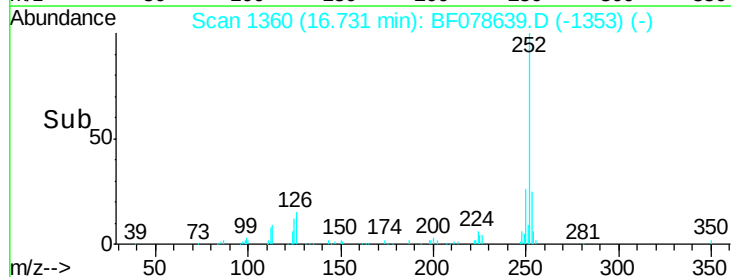
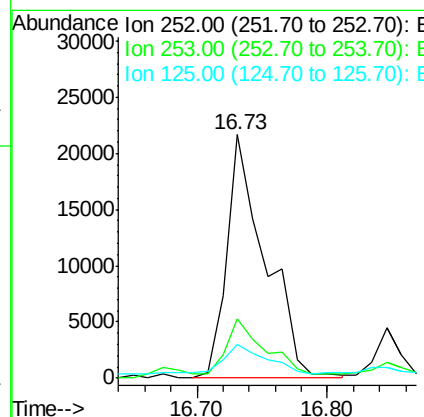
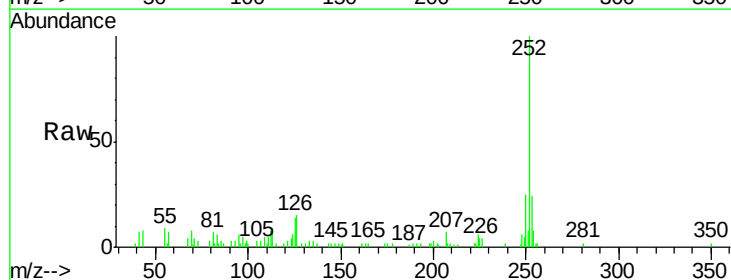
Instrument :
BNA_F
ClientSampleId :
SB-68S

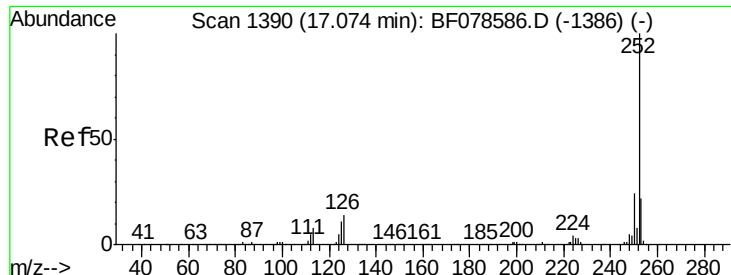
Tgt Ion:252 Resp: 44312
Ion Ratio Lower Upper
252 100
253 24.2 17.2 25.8
125 13.9 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 4.43 ng
RT: 16.73 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF078639.D
Acq: 18 Apr 2015 12:22

Tgt Ion:252 Resp: 44526
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 13.9 11.6 17.4





#89

Benzo(a)pyrene

Concen: 2.46 ng

RT: 17.10 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BF078639.D

Acq: 18 Apr 2015 12:22

Instrument :

BNA_F

ClientSampleId :

SB-68S

Tgt Ion:252 Resp: 24324

Ion Ratio Lower Upper

252 100

253 25.4 16.8 25.2#

125 16.3 7.4 11.0#

