

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
 Data File : BF078690.D
 Acq On : 21 Apr 2015 18:32
 Operator : TP/IZ
 Sample : G1938-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-67AS

Quant Time: Apr 22 02:26:10 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 00:52:13 2015
 Response via : Initial Calibration

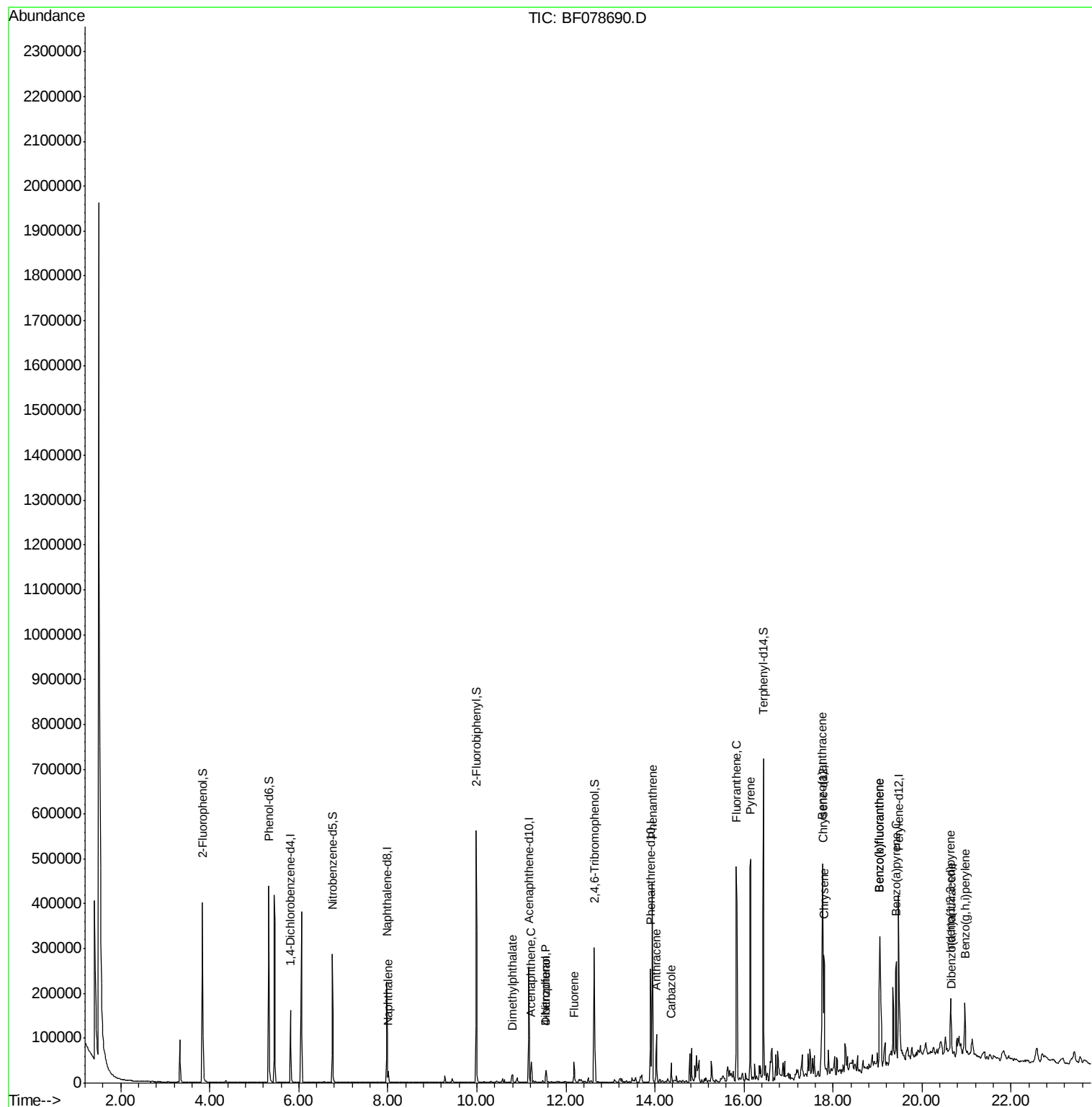
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	33479	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	141033	20.00	ng	-0.01
38) Acenaphthene-d10	11.16	164	71659	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	140372	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	146980	20.00	ng	-0.01
86) Perylene-d12	19.47	264	155244	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.84	112	164346	80.94	ng	0.01
7) Phenol-d6	5.32	99	217850	85.61	ng	0.00
23) Nitrobenzene-d5	6.75	82	125302	53.85	ng	-0.01
41) 2,4,6-Tribromophenol	12.64	330	51691	86.98	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	258662	51.60	ng	-0.01
78) Terphenyl-d14	16.43	244	288180	44.30	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.01	128	17925	2.44	ng	97
49) Dimethylphthalate	10.80	163	12054	2.24	ng	# 97
51) Acenaphthene	11.22	154	14079	3.36	ng	98
54) Dibenzofuran	11.55	168	15472	2.42	ng	97
55) 4-Nitrophenol	11.55	139	5469	8.46	ng	# 18
57) Fluorene	12.18	166	18605	3.58	ng	98
70) Phenanthrene	13.94	178	238938	29.43	ng	100
71) Anthracene	14.03	178	63129	7.89	ng	100
72) Carbazole	14.37	167	24831	3.31	ng	98
74) Fluoranthene	15.83	202	293685	34.30	ng	98
77) Pyrene	16.15	202	270853	29.36	ng	# 94
80) Benzo(a)anthracene	17.76	228	164672	18.83	ng	98
82) Chrysene	17.81	228	122674	14.93	ng	96
85) Indeno(1,2,3-cd)pyrene	20.64	276	71438	7.66	ng	# 83
87) Benzo(b)fluoranthene	19.05	252	216390	22.55	ng	# 95
88) Benzo(k)fluoranthene	19.05	252	217774	25.54	ng	96
89) Benzo(a)pyrene	19.42	252	126720	15.13	ng	97
90) Dibenzo(a,h)anthracene	20.66	278	20173	2.41	ng	# 90
91) Benzo(g,h,i)perylene	20.96	276	71127	8.46	ng	99

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

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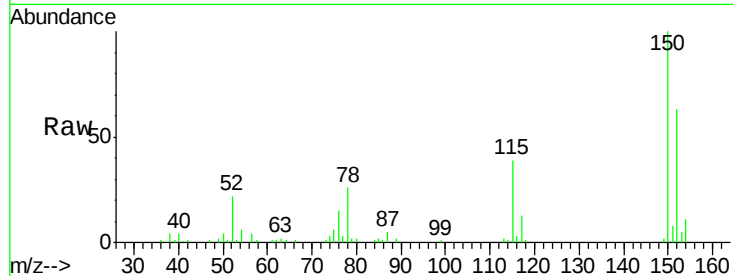




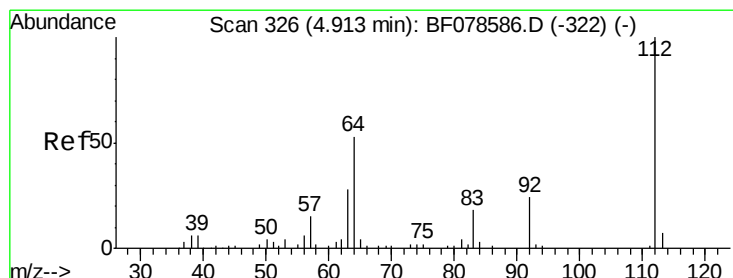
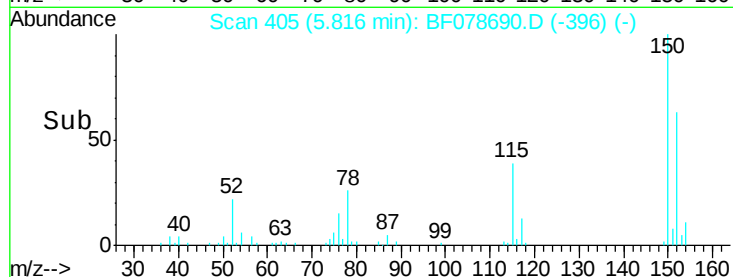
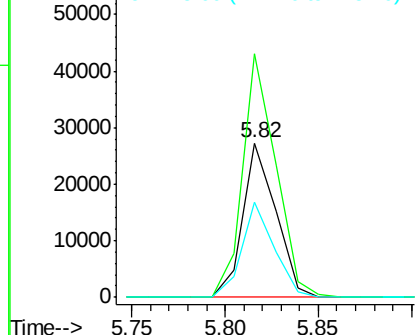
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.82 min Scan# 405
 Delta R.T. -0.00 min
 Lab File: BF078690.D
 Acq: 21 Apr 2015 18:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-67AS

Tgt Ion:152 Resp: 33479
 Ion Ratio Lower Upper
 152 100
 150 157.9 125.9 188.9
 115 61.5 52.7 79.1

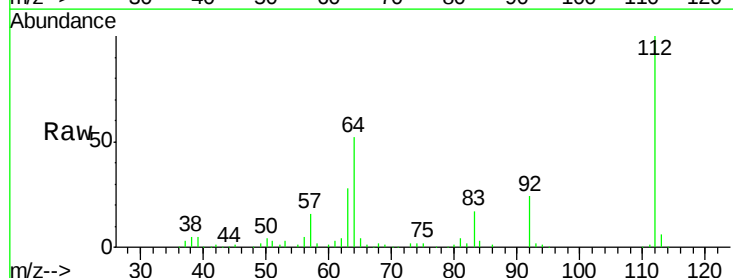


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

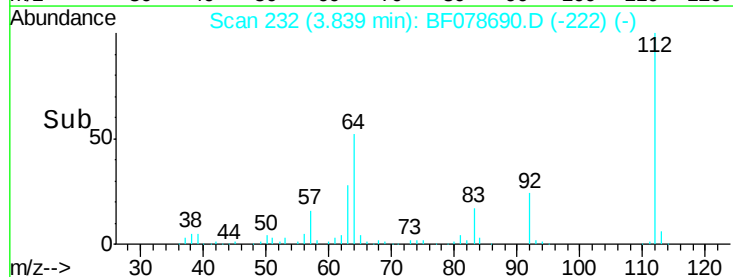
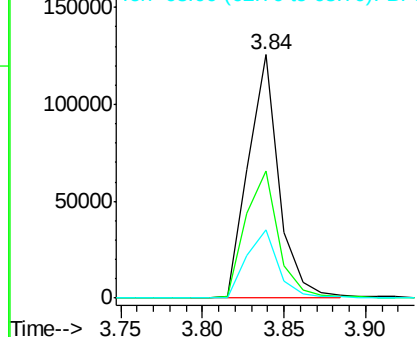


#5
 2-Fluorophenol
 Concen: 80.94 ng
 RT: 3.84 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: BF078690.D
 Acq: 21 Apr 2015 18:32

Tgt Ion:112 Resp: 164346
 Ion Ratio Lower Upper
 112 100
 64 52.3 39.9 59.9
 63 27.9 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: 85.61 ng

RT: 5.32 min Scan# 362

Delta R.T. -0.00 min

Lab File: BF078690.D

Acq: 21 Apr 2015 18:32

Instrument :

BNA_F

ClientSampleId :

SB-67AS

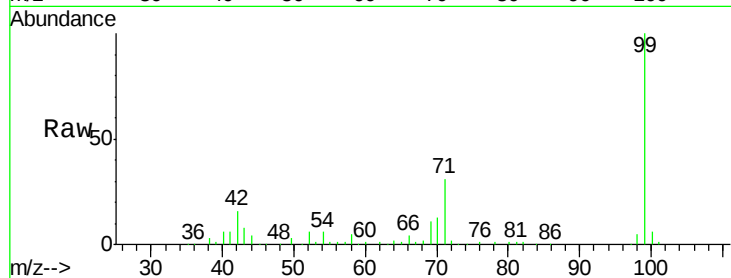
Tgt Ion: 99 Resp: 217850

Ion Ratio Lower Upper

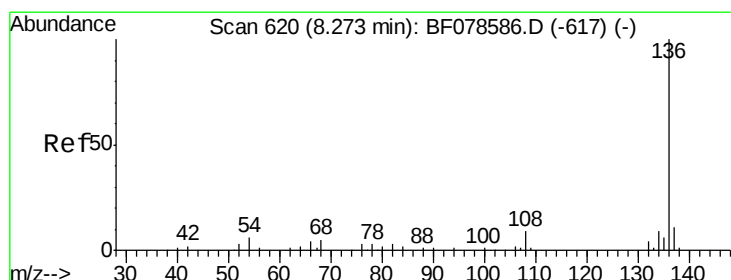
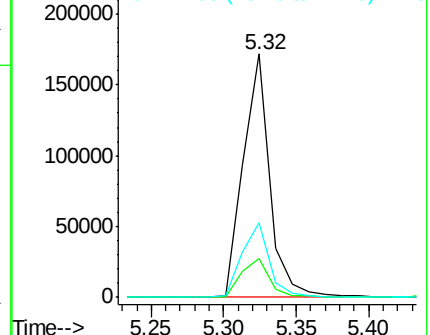
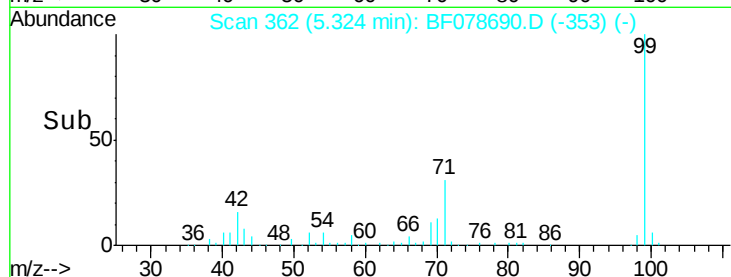
99 100

42 15.8 14.8 22.2

71 30.6 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: 7.98 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF078690.D

Acq: 21 Apr 2015 18:32

Tgt Ion: 136 Resp: 141033

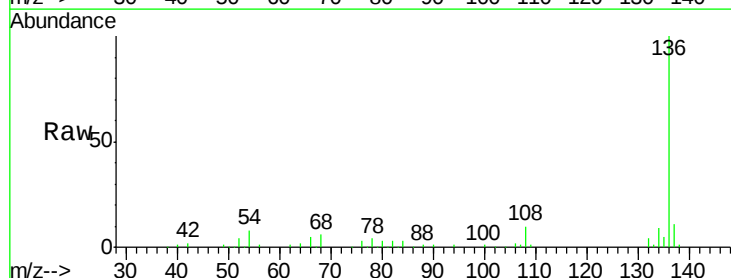
Ion Ratio Lower Upper

136 100

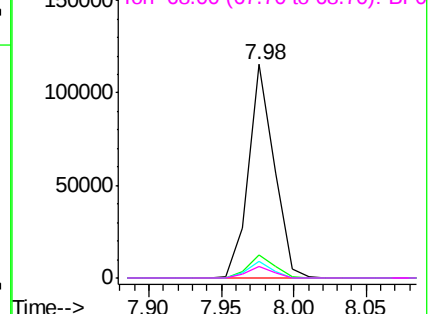
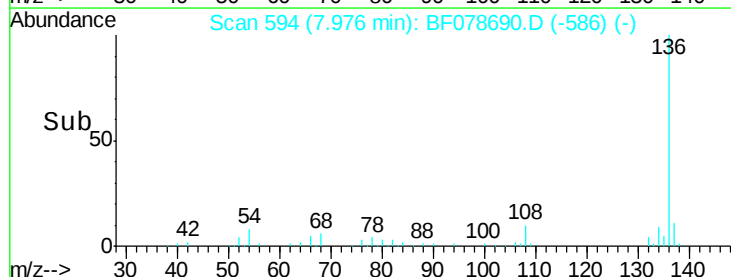
137 10.9 9.0 13.4

54 7.5 7.0 10.6

68 5.6 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: 53.85 ng

RT: 6.75 min Scan# 487

Delta R.T. -0.01 min

Lab File: BF078690.D

Acq: 21 Apr 2015 18:32

Instrument :

BNA_F

ClientSampleId :

SB-67AS

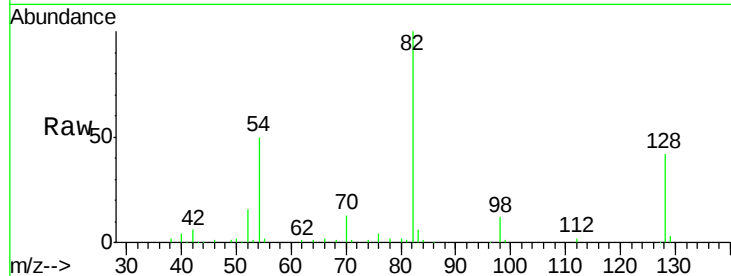
Tgt Ion: 82 Resp: 125302

Ion Ratio Lower Upper

82 100

128 42.4 31.8 47.8

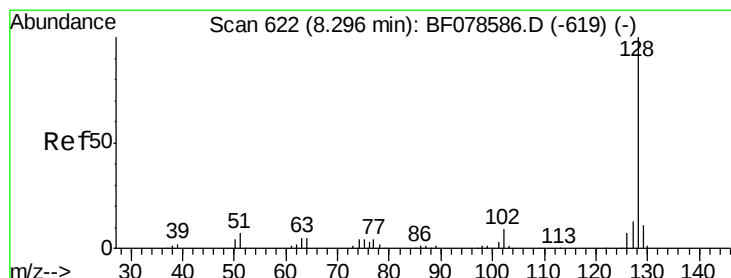
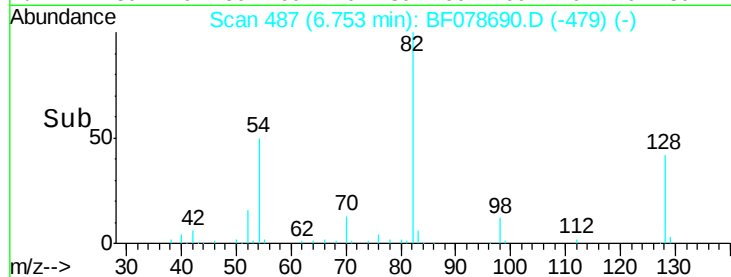
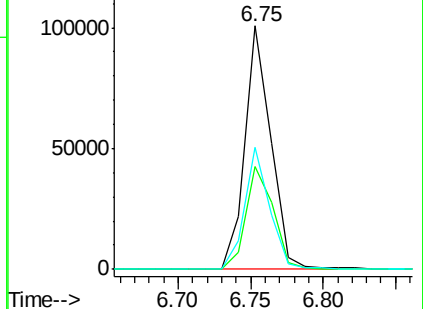
54 50.2 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF078586.D (-540) (-)

Ion 128.00 (127.70 to 128.70): BF078586.D (-540) (-)

Ion 54.00 (53.70 to 54.70): BF078586.D (-540) (-)



#31

Naphthalene

Concen: 2.44 ng

RT: 8.01 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF078690.D

Acq: 21 Apr 2015 18:32

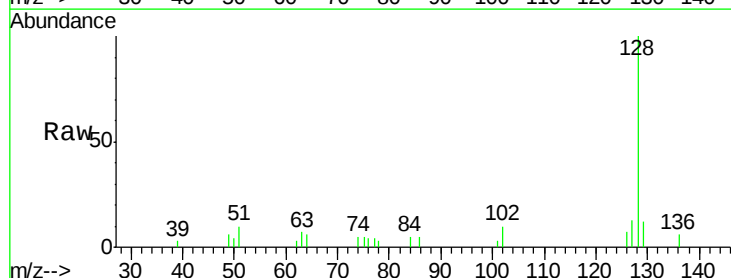
Tgt Ion: 128 Resp: 17925

Ion Ratio Lower Upper

128 100

129 11.9 8.6 12.8

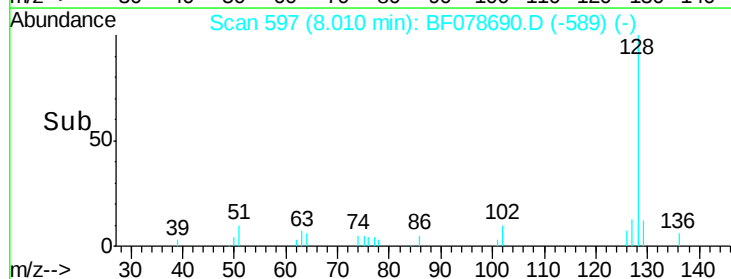
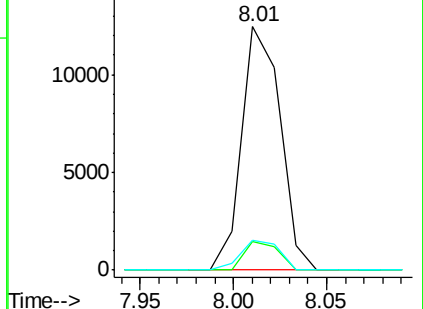
127 12.5 10.7 16.1

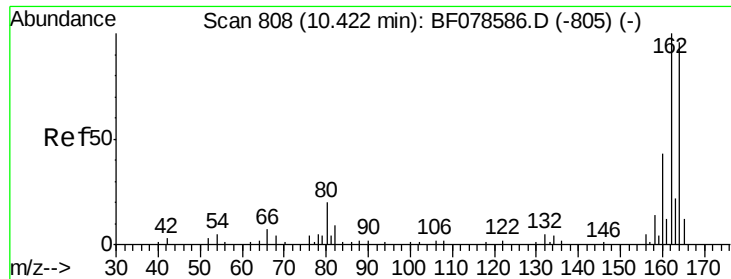


Abundance Ion 128.00 (127.70 to 128.70): BF078586.D (-619) (-)

Ion 129.00 (128.70 to 129.70): BF078586.D (-619) (-)

Ion 127.00 (126.70 to 127.70): BF078586.D (-619) (-)

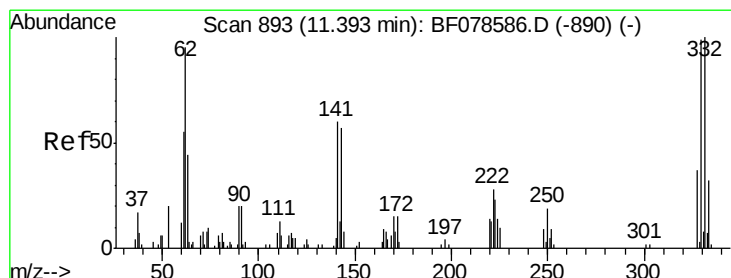
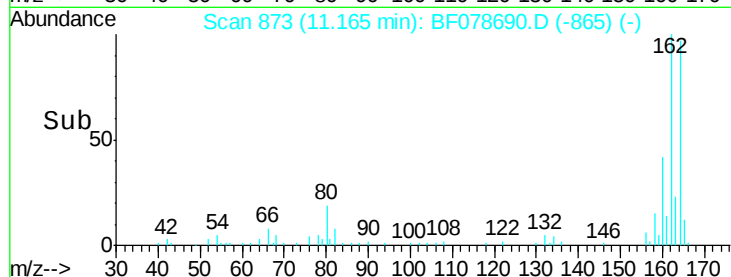
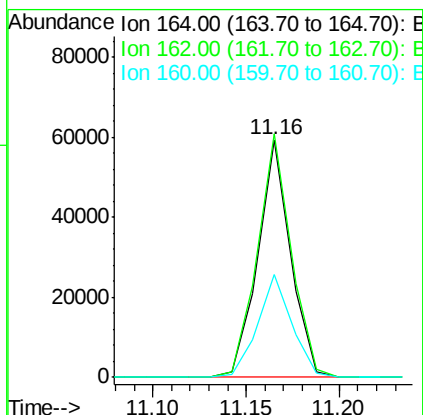
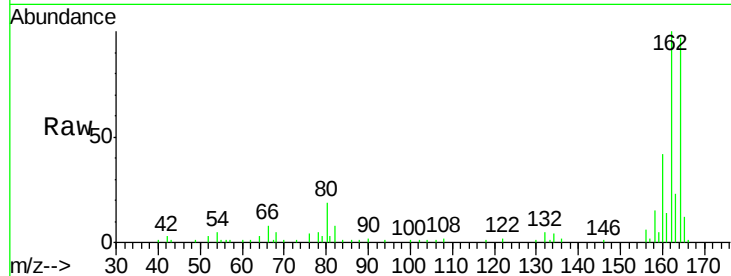




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF078690.D
 Acq: 21 Apr 2015 18:32

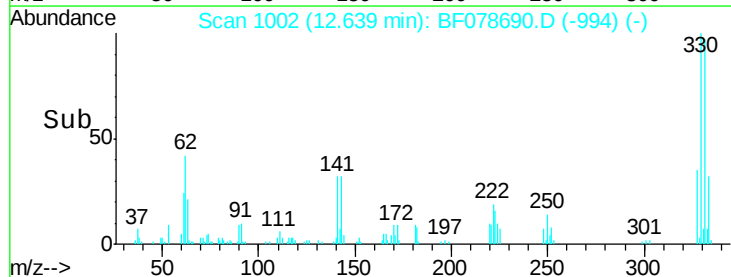
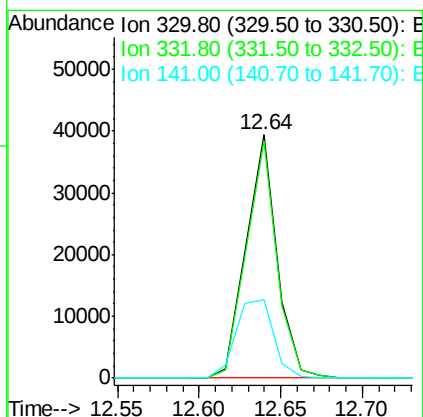
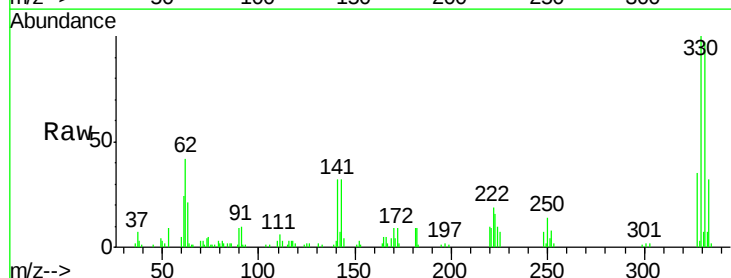
Instrument :
 BNA_F
 ClientSampleId :
 SB-67AS

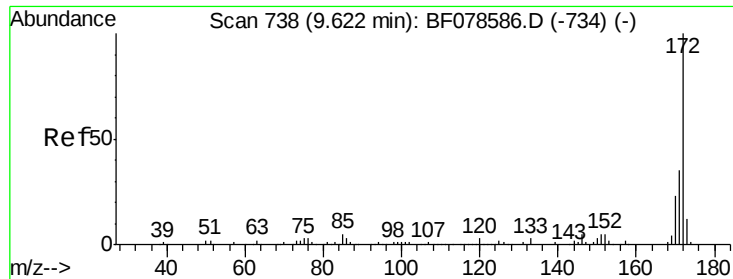
Tgt Ion:164 Resp: 71659
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.2 123.2
 160 43.2 34.7 52.1



#41
 2,4,6-Tribromophenol
 Concen: 86.98 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF078690.D
 Acq: 21 Apr 2015 18:32

Tgt Ion:330 Resp: 51691
 Ion Ratio Lower Upper
 330 100
 332 96.6 78.6 117.8
 141 39.2 31.2 46.8

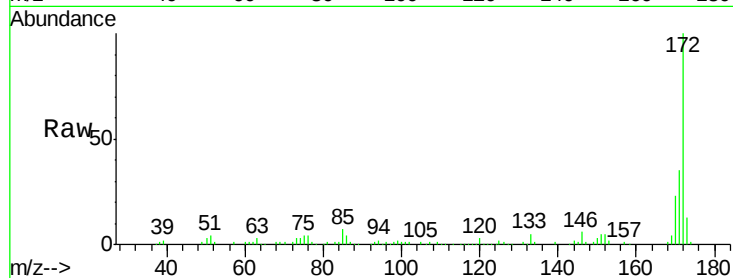




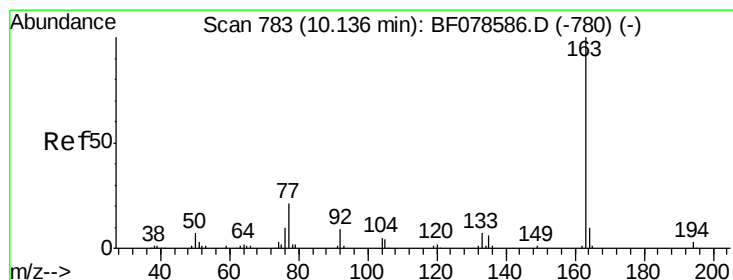
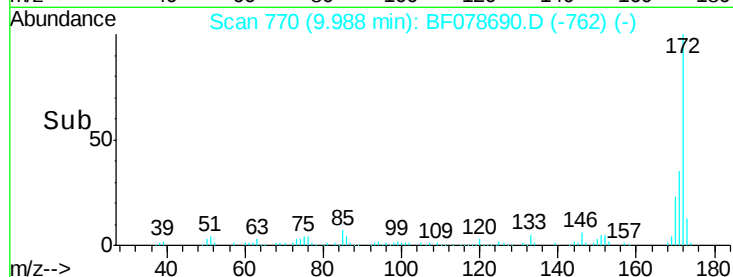
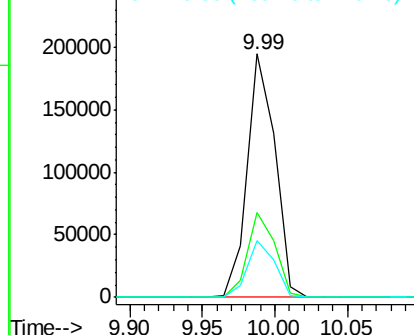
#44
2-Fluorobiphenyl
Concen: 51.60 ng
RT: 9.99 min Scan# 770
Delta R.T. -0.01 min
Lab File: BF078690.D
Acq: 21 Apr 2015 18:32

Instrument :
BNA_F
ClientSampleId :
SB-67AS

Tgt Ion:172 Resp: 258662
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.5 18.5 27.7

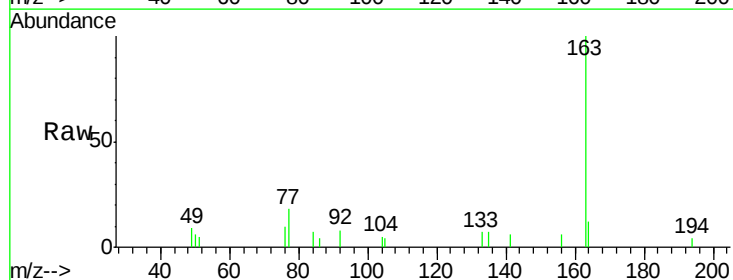


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

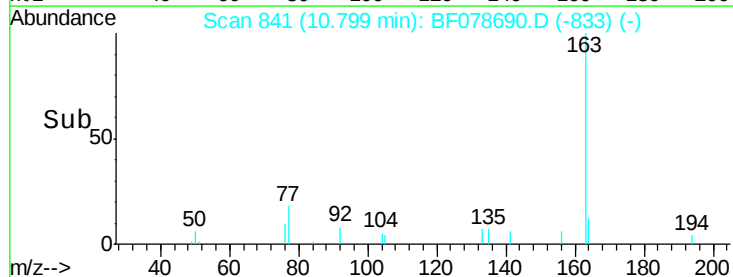
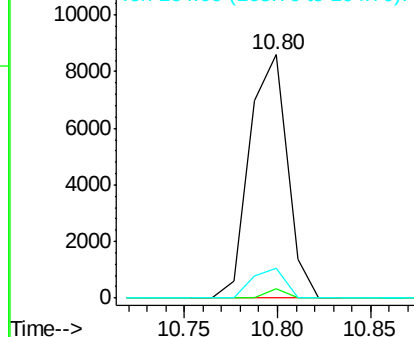


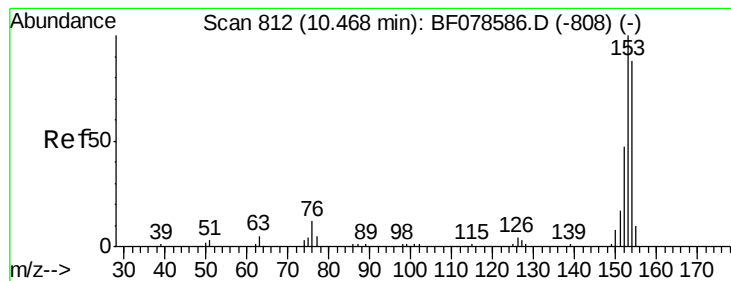
#49
Dimethylphthalate
Concen: 2.24 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF078690.D
Acq: 21 Apr 2015 18:32

Tgt Ion:163 Resp: 12054
Ion Ratio Lower Upper
163 100
194 3.6 2.3 3.5#
164 12.2 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





#51

Acenaphthene

Concen: 3.36 ng

RT: 11.22 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF078690.D

Acq: 21 Apr 2015 18:32

Instrument :

BNA_F

ClientSampleId :

SB-67AS

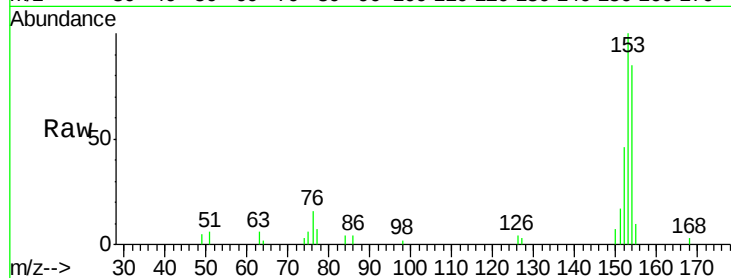
Tgt Ion:154 Resp: 14079

Ion Ratio Lower Upper

154 100

153 117.3 91.4 137.2

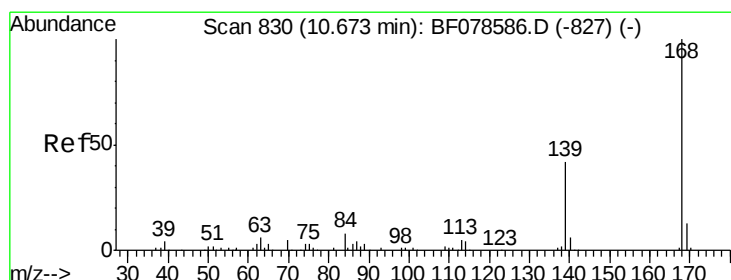
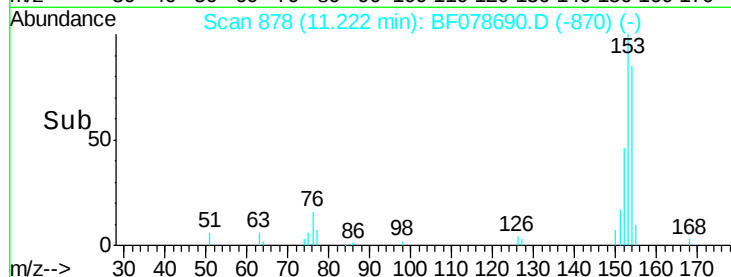
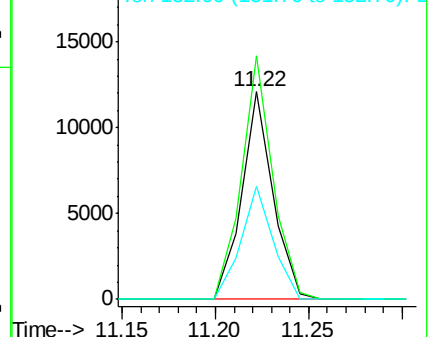
152 54.5 43.0 64.6



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: 2.42 ng

RT: 11.55 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF078690.D

Acq: 21 Apr 2015 18:32

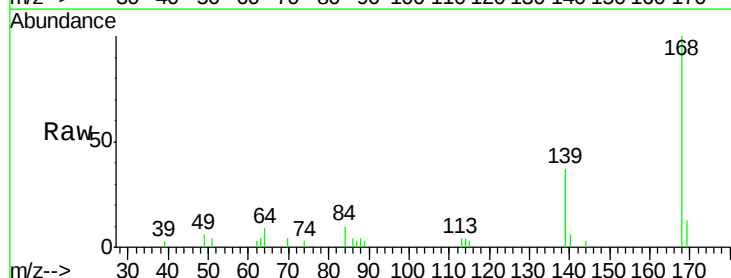
Tgt Ion:168 Resp: 15472

Ion Ratio Lower Upper

168 100

139 36.9 31.0 46.4

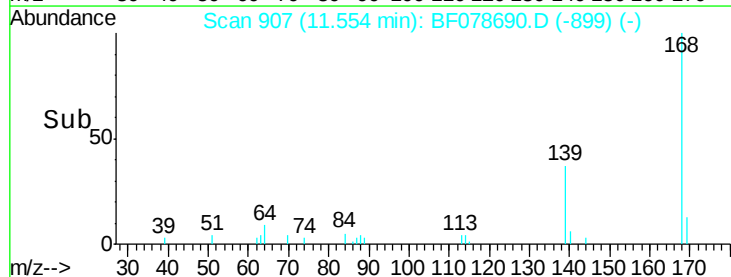
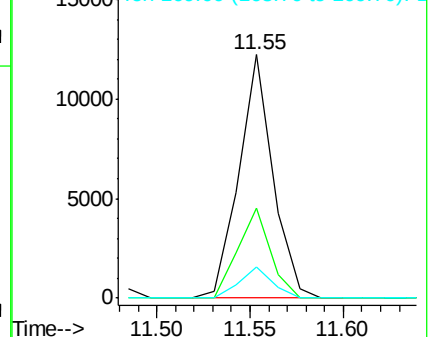
169 12.8 10.7 16.1

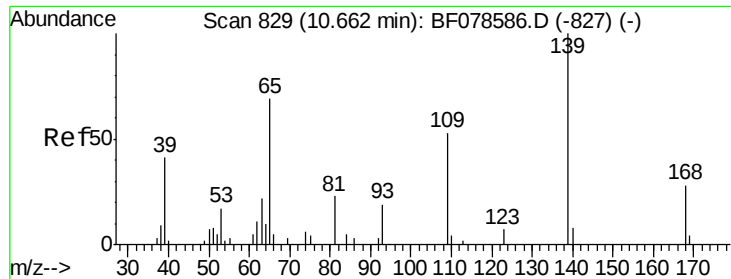


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

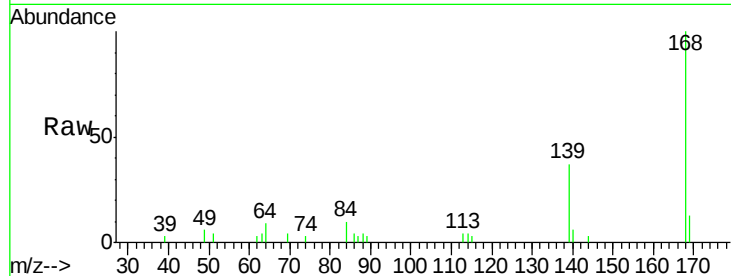




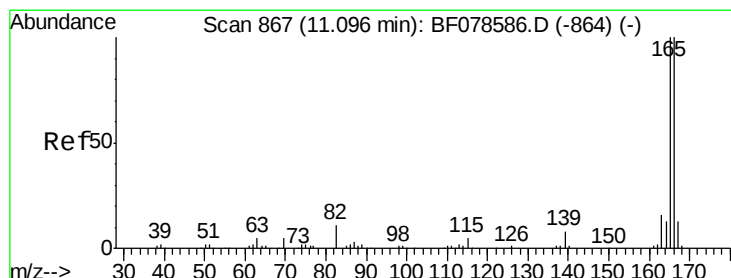
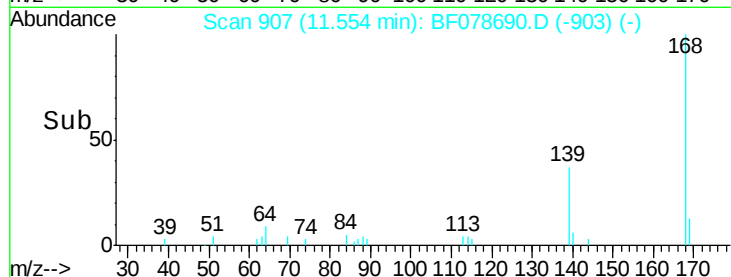
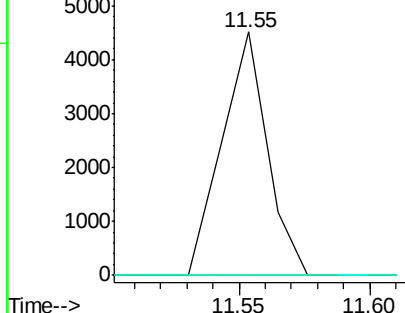
#55
4-Nitrophenol
Concen: 8.46 ng
RT: 11.55 min Scan# 907
Delta R.T. -0.06 min
Lab File: BF078690.D
Acq: 21 Apr 2015 18:32

Instrument :
BNA_F
ClientSampleId :
SB-67AS

Tgt Ion:139 Resp: 5469
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#

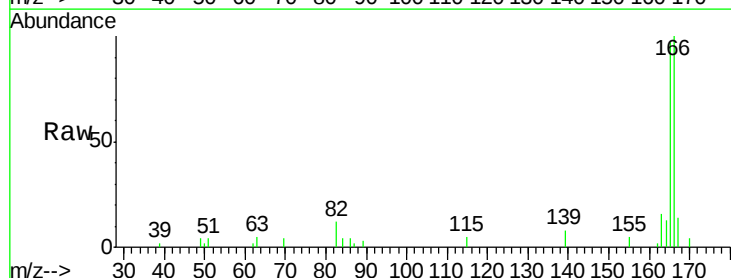


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

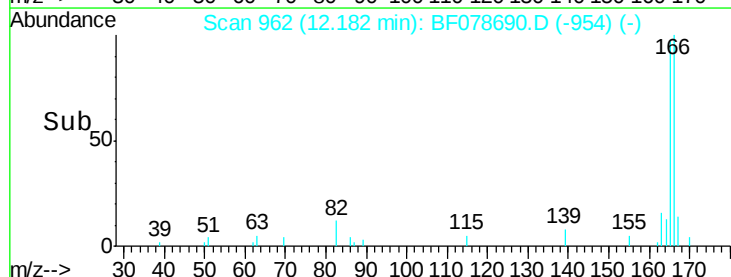
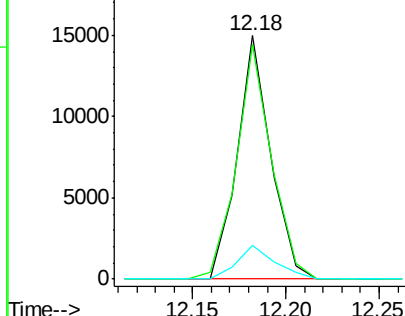


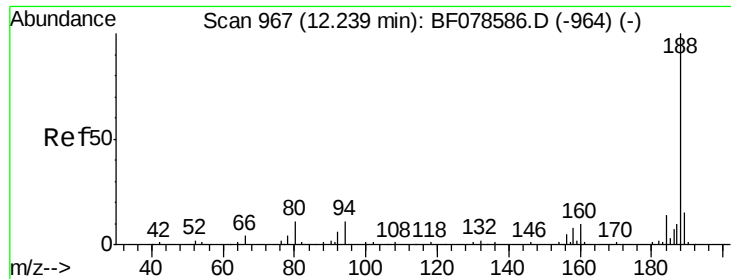
#57
Fluorene
Concen: 3.58 ng
RT: 12.18 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF078690.D
Acq: 21 Apr 2015 18:32

Tgt Ion:166 Resp: 18605
Ion Ratio Lower Upper
166 100
165 96.5 78.9 118.3
167 13.8 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

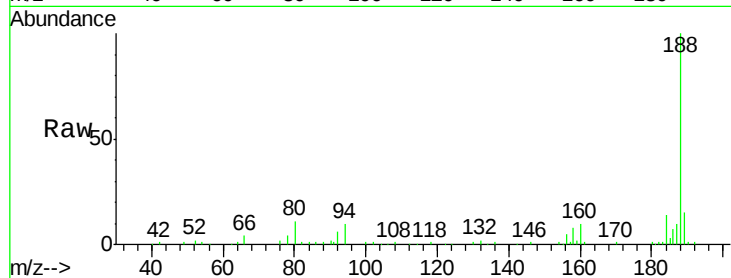




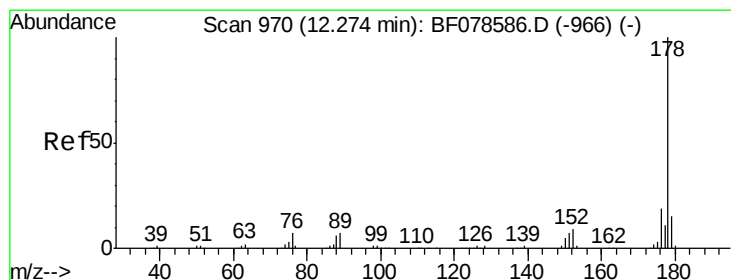
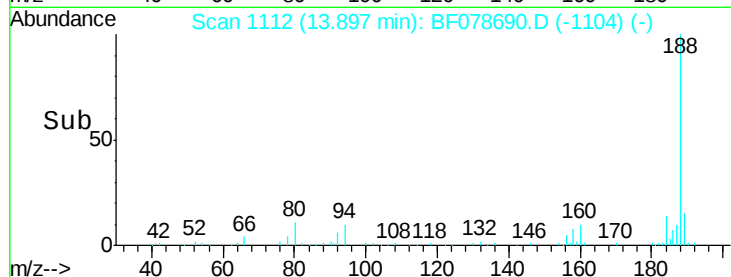
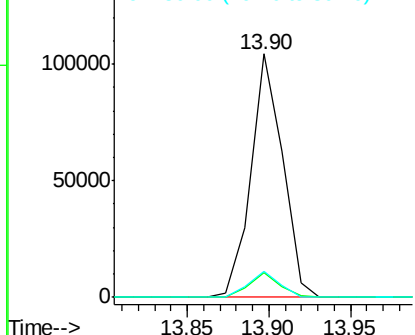
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF078690.D
 Acq: 21 Apr 2015 18:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-67AS

Tgt Ion:188 Resp: 140372
 Ion Ratio Lower Upper
 188 100
 94 10.1 9.0 13.4
 80 10.7 9.5 14.3

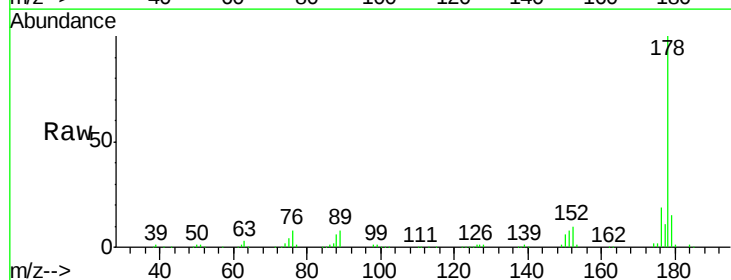


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

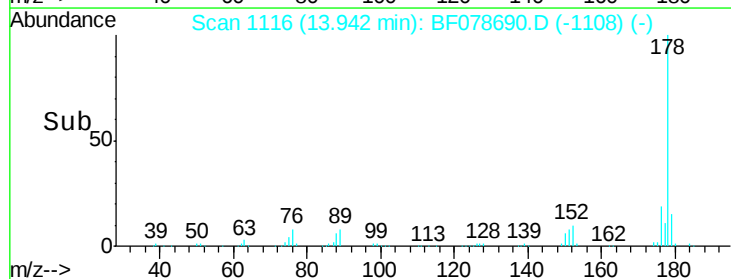
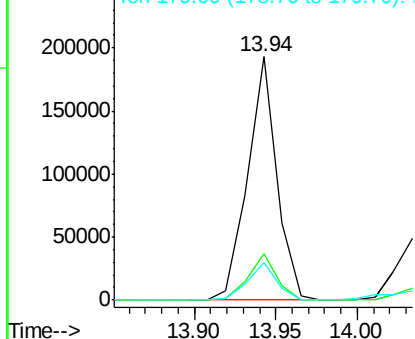


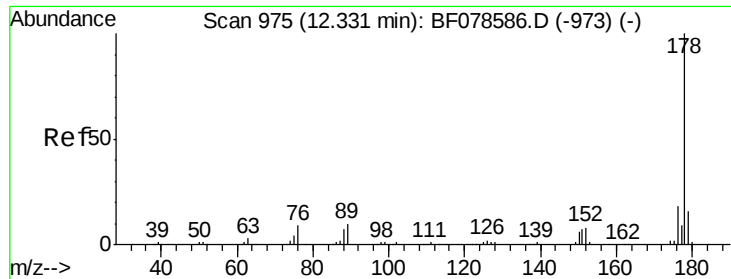
#70
 Phenanthrene
 Concen: 29.43 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BF078690.D
 Acq: 21 Apr 2015 18:32

Tgt Ion:178 Resp: 238938
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.0
 179 15.3 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

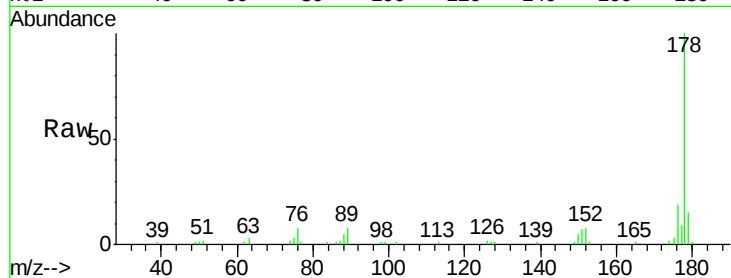




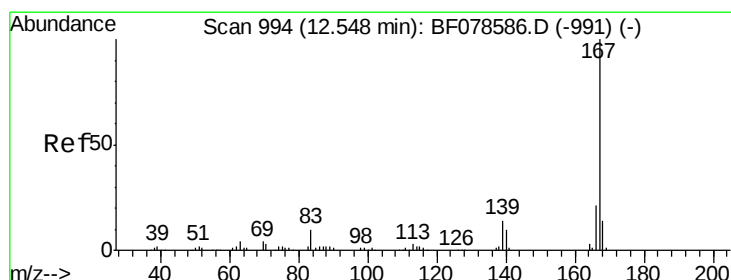
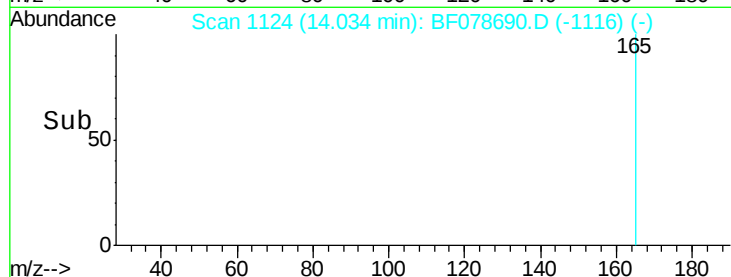
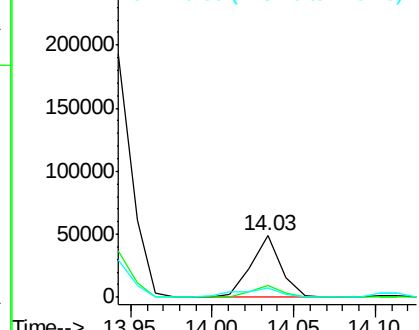
#71
 Anthracene
 Concen: 7.89 ng
 RT: 14.03 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF078690.D
 Acq: 21 Apr 2015 18:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-67AS

Tgt Ion:178 Resp: 63129
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 15.5 12.4 18.6

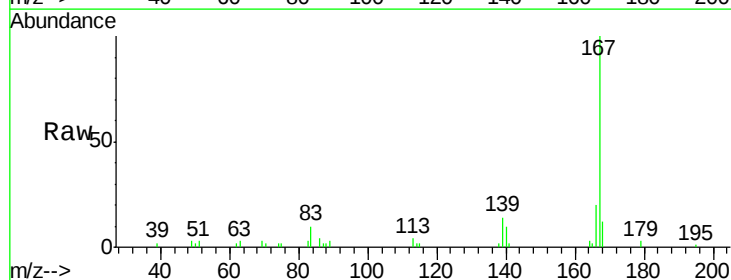


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

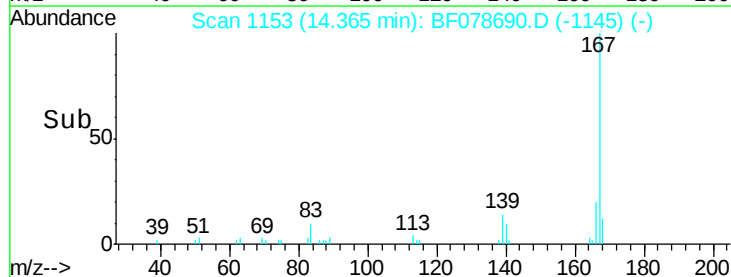
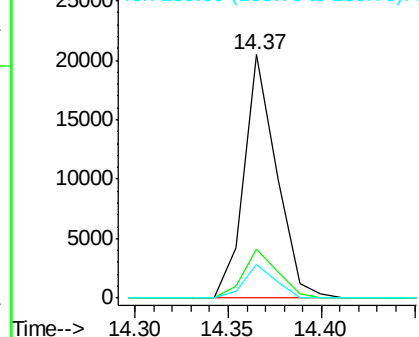


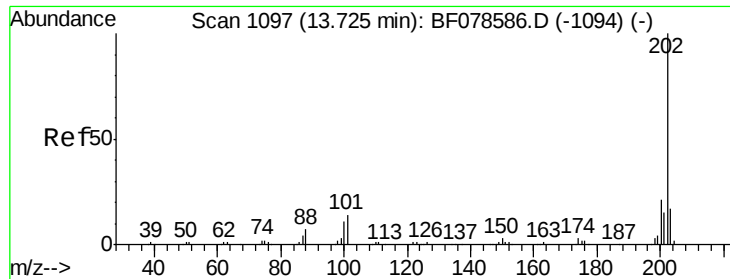
#72
 Carbazole
 Concen: 3.31 ng
 RT: 14.37 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF078690.D
 Acq: 21 Apr 2015 18:32

Tgt Ion:167 Resp: 24831
 Ion Ratio Lower Upper
 167 100
 166 20.2 16.8 25.2
 139 13.8 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

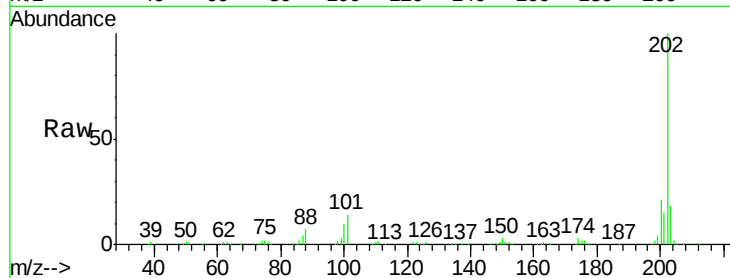




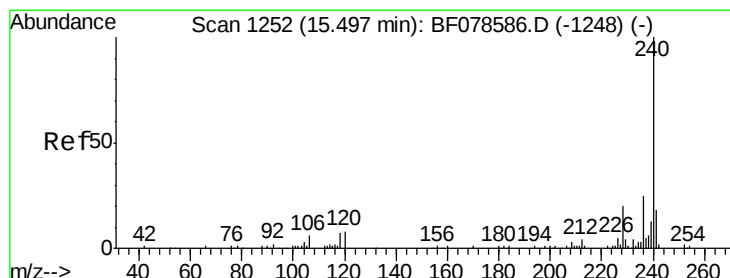
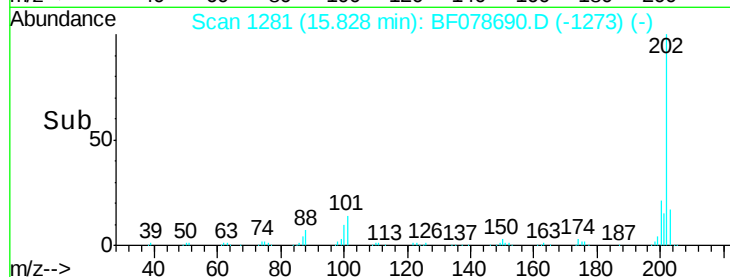
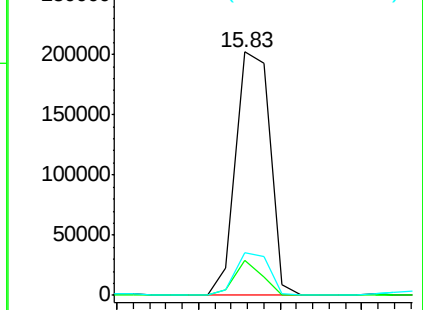
#74
Fluoranthene
Concen: 34.30 ng
RT: 15.83 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF078690.D
Acq: 21 Apr 2015 18:32

Instrument :
BNA_F
ClientSampled :
SB-67AS

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	35.2
203	17.6	0.0	38.5

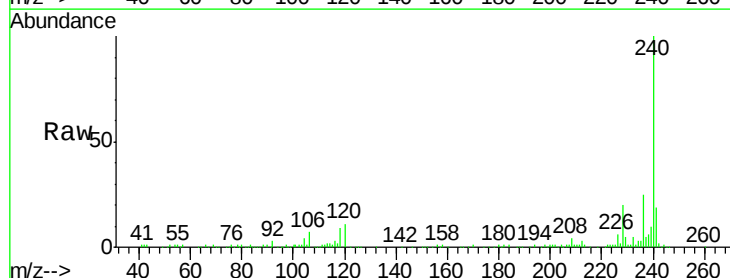


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

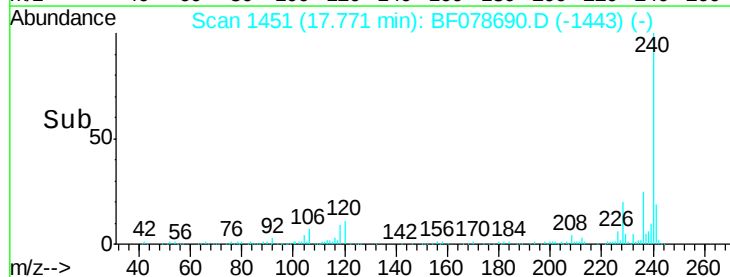
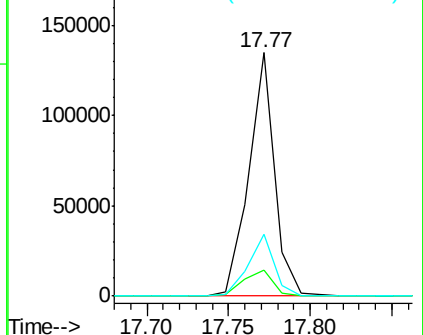


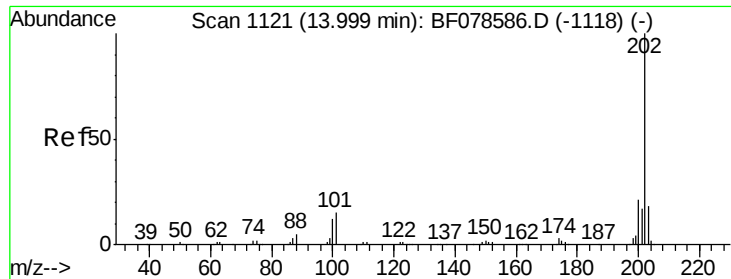
#75
Chrysene-d12
Concen: 20.00 ng
RT: 17.77 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF078690.D
Acq: 21 Apr 2015 18:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.1	10.7#
236	25.3	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

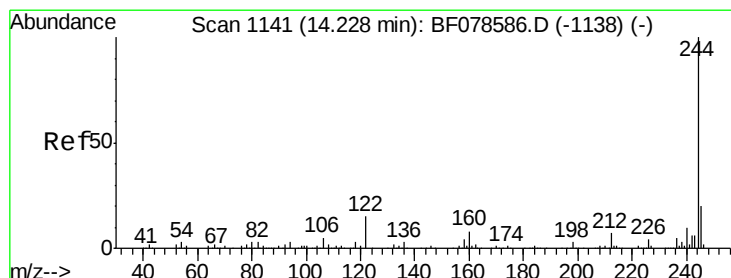
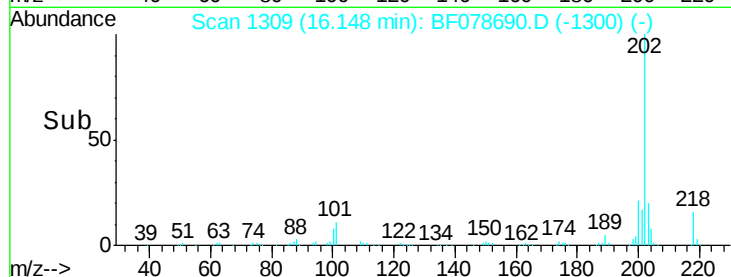
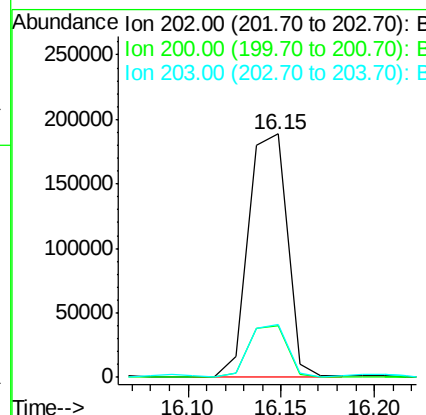
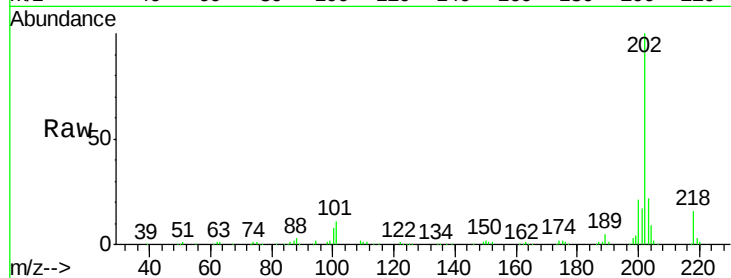




#77
 Pyrene
 Concen: 29.36 ng
 RT: 16.15 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: BF078690.D
 Acq: 21 Apr 2015 18:32

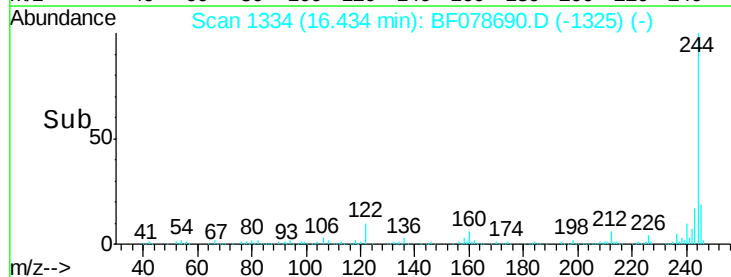
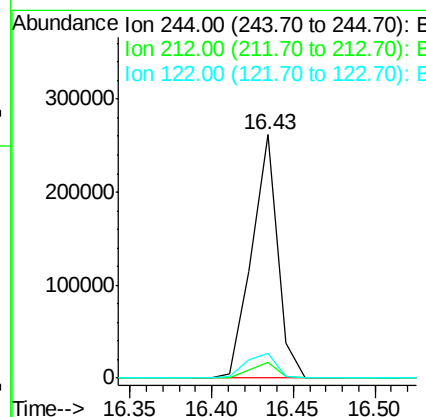
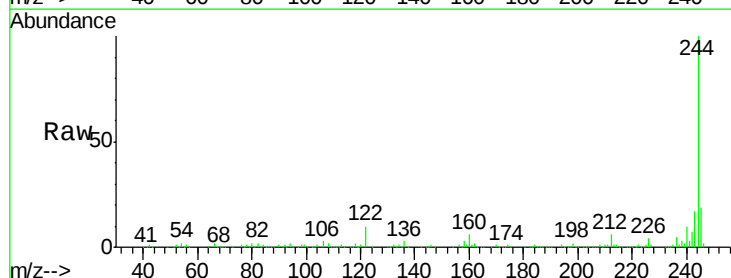
Instrument :
 BNA_F
 ClientSampleId :
 SB-67AS

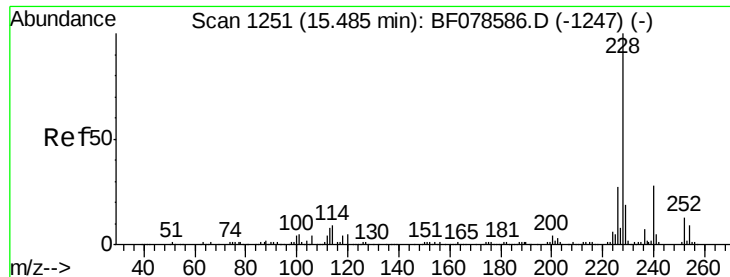
Tgt Ion: 202 Resp: 270853
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.3 24.5
 203 21.8 13.8 20.6#



#78
 Terphenyl-d14
 Concen: 44.30 ng
 RT: 16.43 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF078690.D
 Acq: 21 Apr 2015 18:32

Tgt Ion: 244 Resp: 288180
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 10.2 7.1 10.7





#80

Benzo(a)anthracene

Concen: 18.83 ng

RT: 17.76 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BF078690.D

Acq: 21 Apr 2015 18:32

Instrument :

BNA_F

ClientSampleId :

SB-67AS

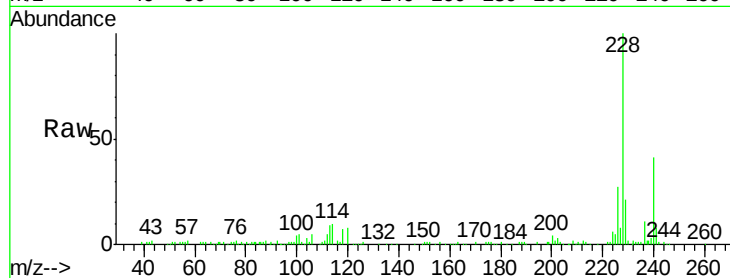
Tgt Ion:228 Resp: 164672

Ion Ratio Lower Upper

228 100

226 26.9 21.3 31.9

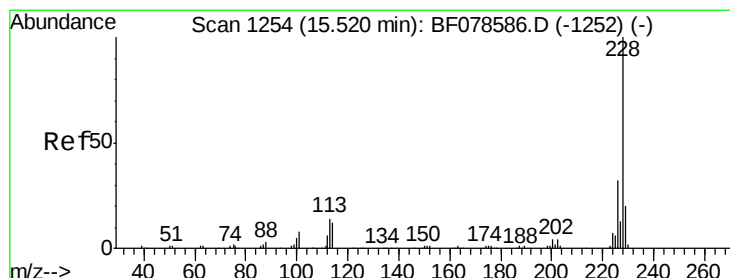
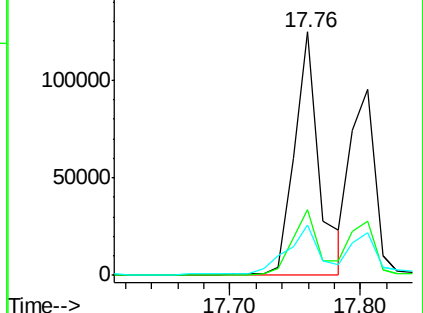
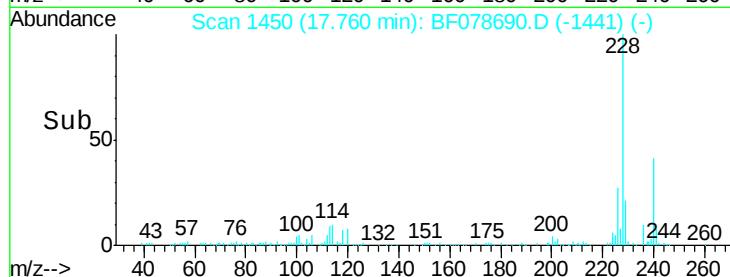
229 20.9 15.4 23.2



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: 14.93 ng

RT: 17.81 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF078690.D

Acq: 21 Apr 2015 18:32

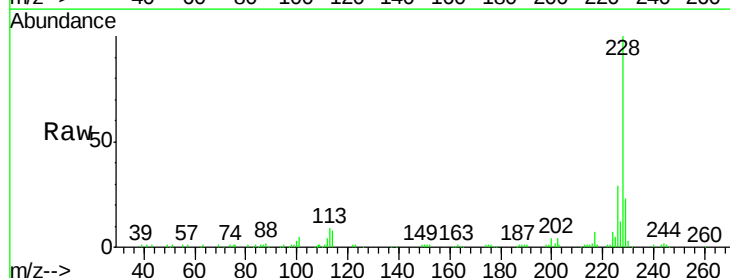
Tgt Ion:228 Resp: 122674

Ion Ratio Lower Upper

228 100

226 29.3 24.2 36.4

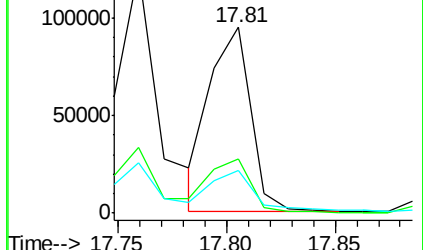
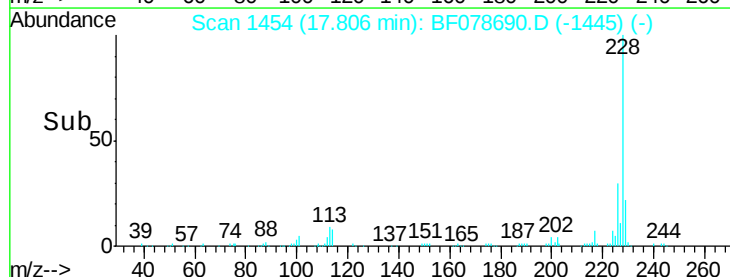
229 22.8 15.8 23.8

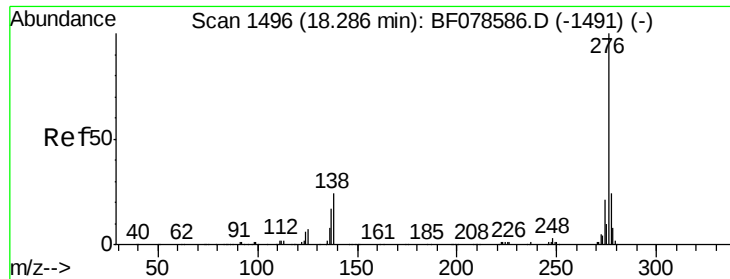


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

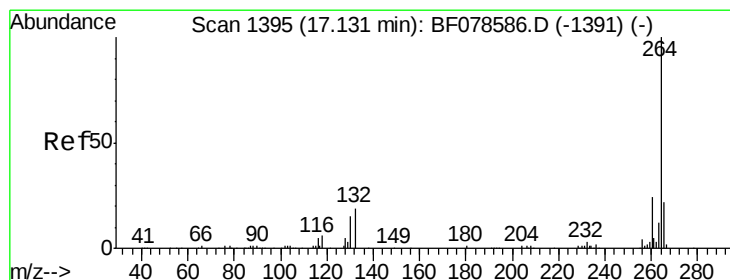
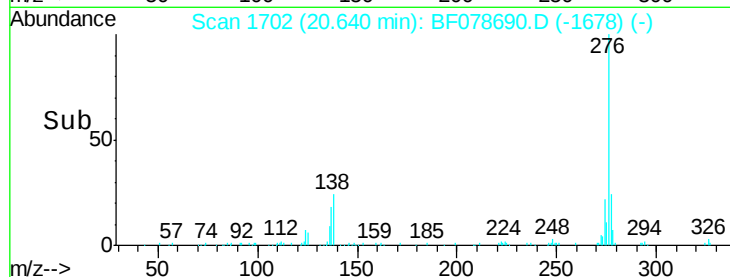
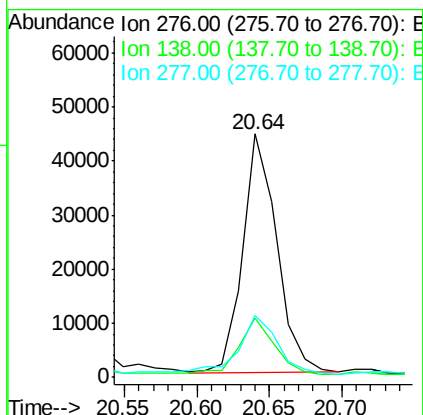
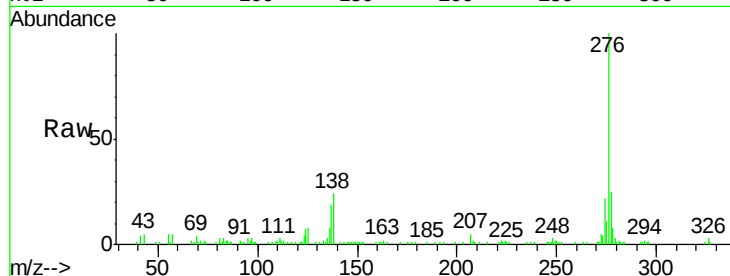




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.66 ng
 RT: 20.64 min Scan# 1702
 Delta R.T. -0.02 min
 Lab File: BF078690.D
 Acq: 21 Apr 2015 18:32

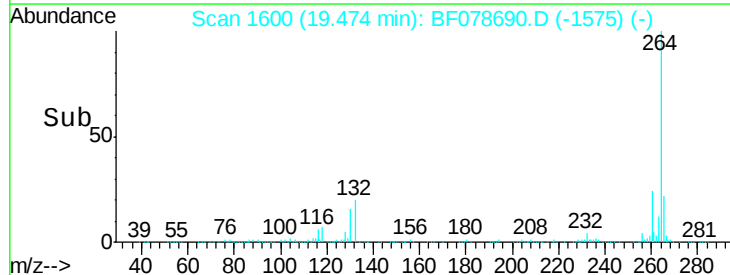
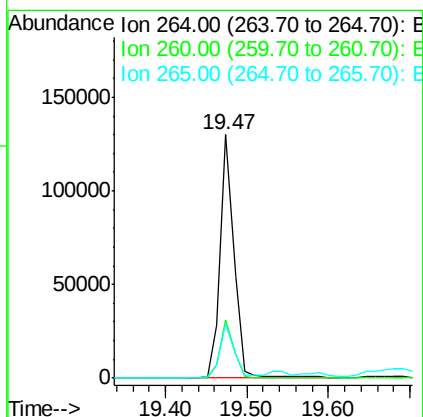
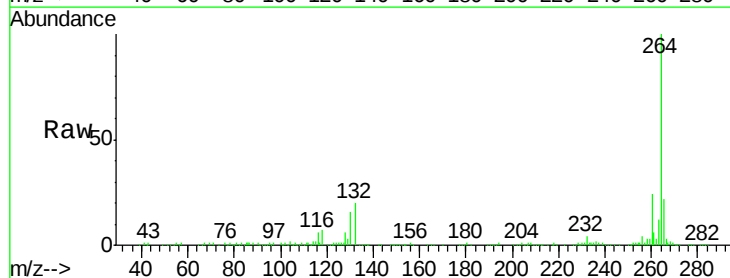
Instrument :
 BNA_F
 ClientSampleId :
 SB-67AS

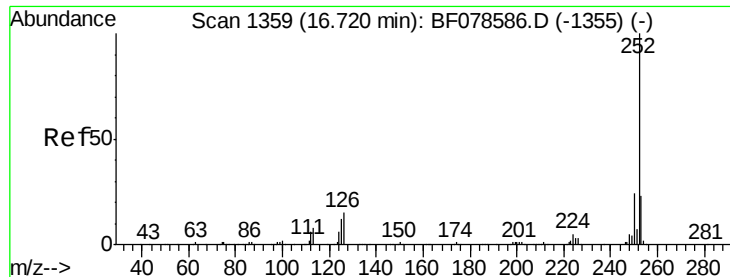
Tgt Ion: 276 Resp: 71438
 Ion Ratio Lower Upper
 276 100
 138 27.2 16.9 25.3#
 277 29.1 15.8 23.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.47 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF078690.D
 Acq: 21 Apr 2015 18:32

Tgt Ion: 264 Resp: 155244
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.6 27.8
 265 22.5 17.0 25.6





#87

Benzo(b)fluoranthene

Concen: 22.55 ng

RT: 19.05 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF078690.D

Acq: 21 Apr 2015 18:32

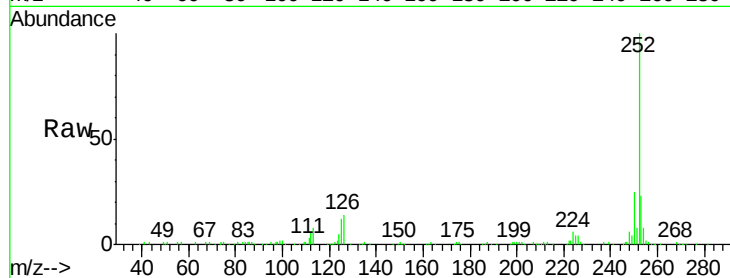
Instrument :

BNA_F

ClientSampleId :

SB-67AS

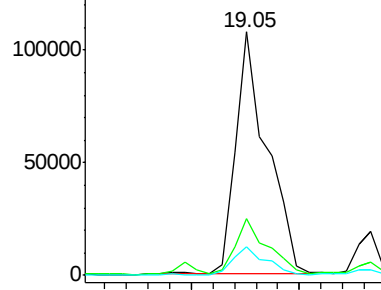
Tgt Ion:	252	Resp:	216390
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.2	25.8
125	11.8	7.0	10.4#



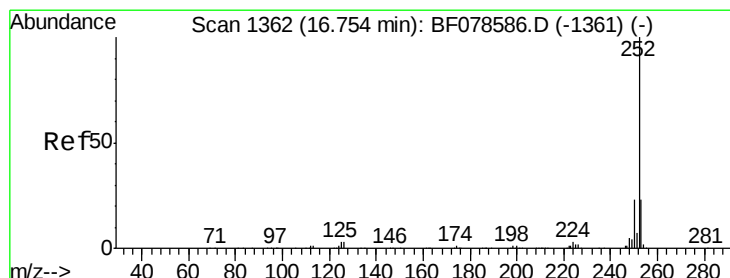
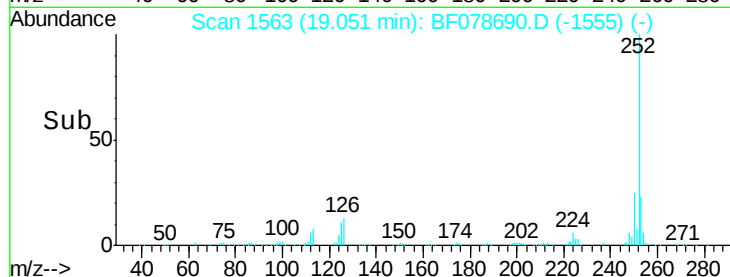
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#88

Benzo(k)fluoranthene

Concen: 25.54 ng

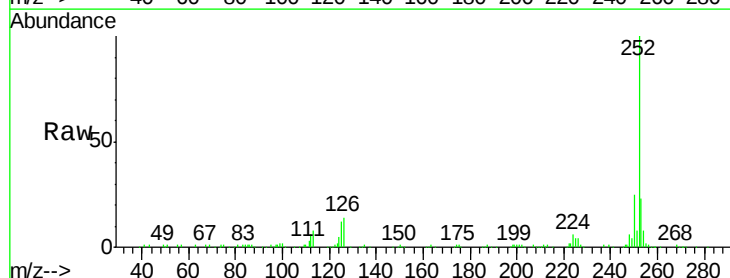
RT: 19.05 min Scan# 1563

Delta R.T. -0.05 min

Lab File: BF078690.D

Acq: 21 Apr 2015 18:32

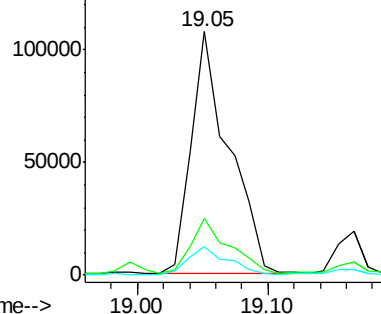
Tgt Ion:	252	Resp:	217774
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	11.8	11.6	17.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->

