

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
 Data File : BF078689.D
 Acq On : 21 Apr 2015 18:01
 Operator : TP/IZ
 Sample : G1943-04RE 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1RE

Quant Time: Apr 22 02:25:55 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	28641	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	123681	20.00	ng	-0.01
38) Acenaphthene-d10	11.16	164	64515	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	123587	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	132178	20.00	ng	-0.01
86) Perylene-d12	19.49	264	129900	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	3.85	112	7185	4.14	ng	0.02
7) Phenol-d6	5.34	99	9520	4.37	ng	0.01
23) Nitrobenzene-d5	6.75	82	5521	2.71	ng	-0.01
41) 2,4,6-Tribromophenol	12.64	330	2293	4.29	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	14425	3.20	ng	-0.01
78) Terphenyl-d14	16.43	244	16830	2.88	ng	0.00

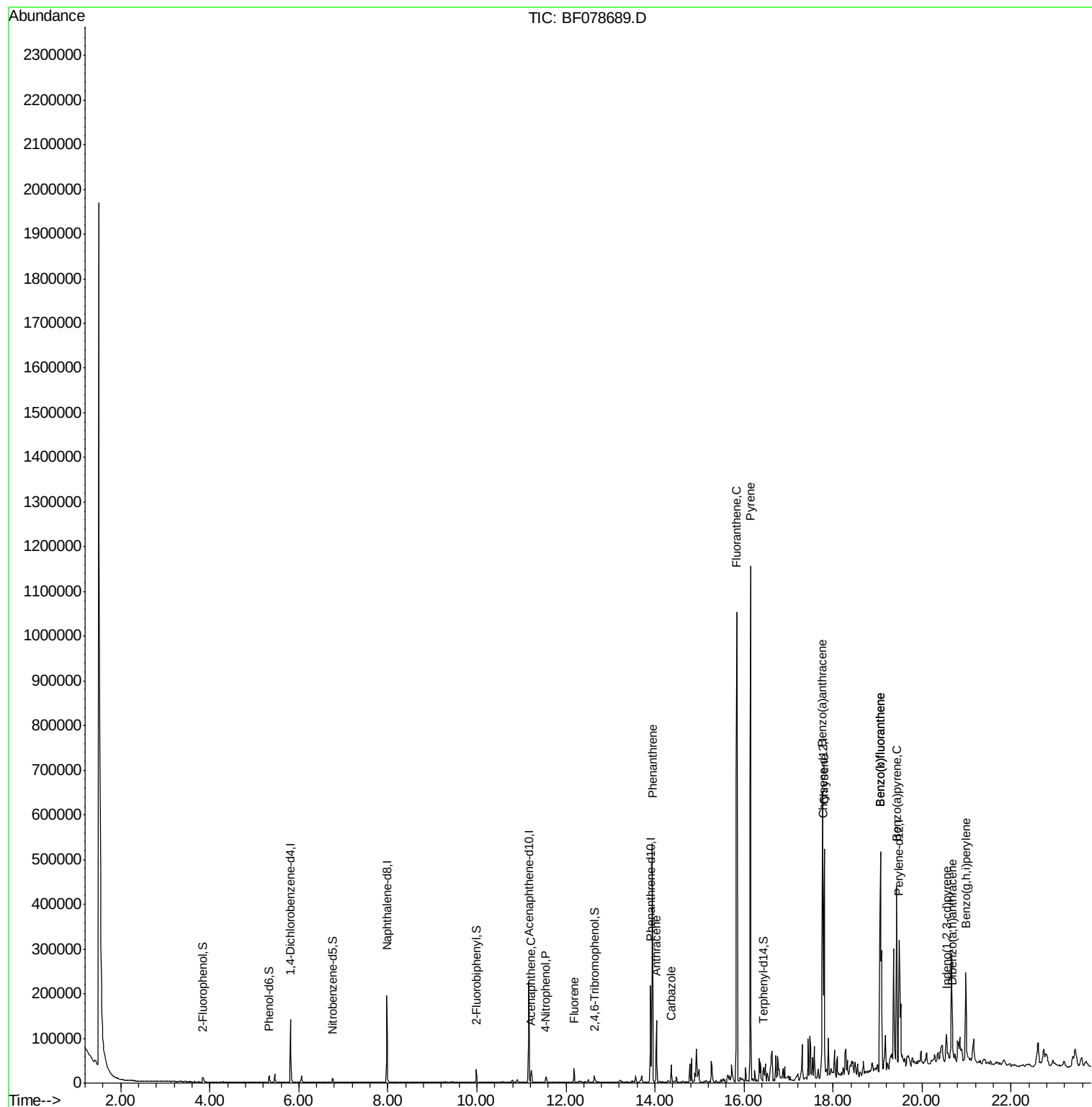
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) Acenaphthene	11.22	154	8407	2.23	ng	97
55) 4-Nitrophenol	11.55	139	2849	6.06	ng	# 18
57) Fluorene	12.18	166	13728	2.94	ng	99
70) Phenanthrene	13.94	178	293781	41.09	ng	100
71) Anthracene	14.03	178	79593	11.30	ng	99
72) Carbazole	14.37	167	24504	3.71	ng	98
74) Fluoranthene	15.84	202	577070	76.54	ng	93
77) Pyrene	16.15	202	530898	63.98	ng	# 94
80) Benzo(a)anthracene	17.76	228	286635	36.45	ng	99
82) Chrysene	17.81	228	216413	29.29	ng	98
85) Indeno(1,2,3-cd)pyrene	20.55	276	30993	3.70	ng	96
87) Benzo(b)fluoranthene	19.06	252	396270	49.36	ng	# 96
88) Benzo(k)fluoranthene	19.06	252	396637	55.59	ng	# 96
89) Benzo(a)pyrene	19.43	252	207430	29.61	ng	97
90) Dibenzo(a,h)anthracene	20.69	278	32262	4.60	ng	# 91
91) Benzo(g,h,i)perylene	20.98	276	132850	18.89	ng	96

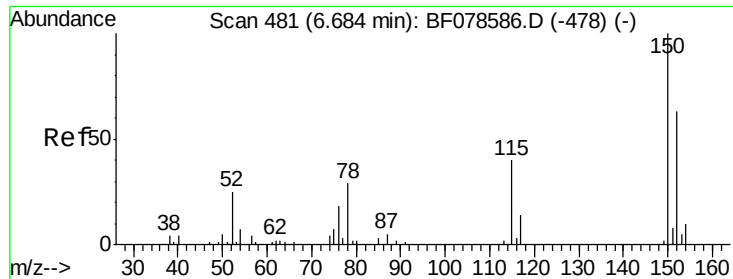
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
Data File : BF078689.D
Acq On : 21 Apr 2015 18:01
Operator : TP/IZ
Sample : G1943-04RE 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-B-1RE

Quant Time: Apr 22 02:25:55 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.82 min Scan# 405

Delta R.T. -0.00 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Instrument :

BNA_F

ClientSampleId :

SP-B-1RE

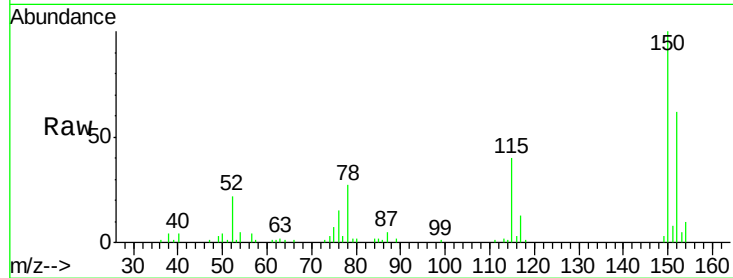
Tgt Ion:152 Resp: 28641

Ion Ratio Lower Upper

152 100

150 160.1 125.9 188.9

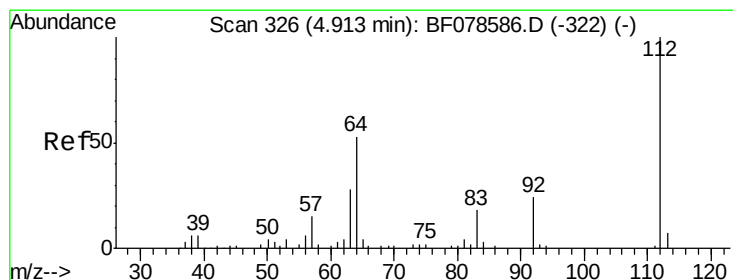
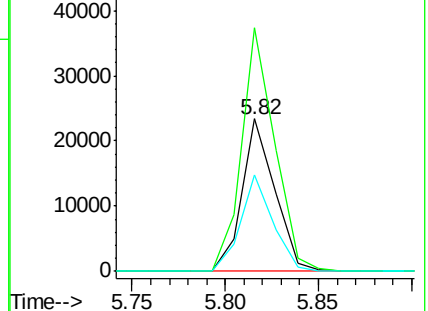
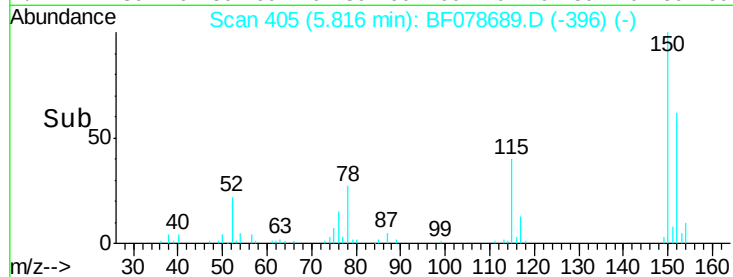
115 63.7 52.7 79.1



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: 4.14 ng

RT: 3.85 min Scan# 233

Delta R.T. 0.02 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

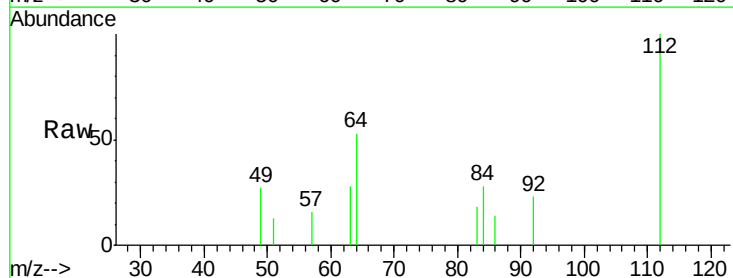
Tgt Ion:112 Resp: 7185

Ion Ratio Lower Upper

112 100

64 52.8 39.9 59.9

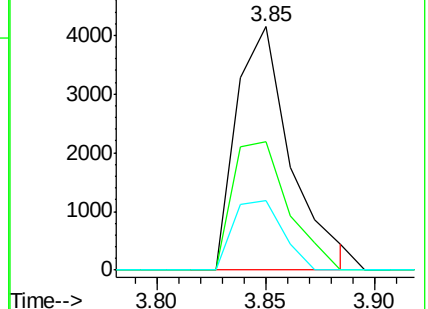
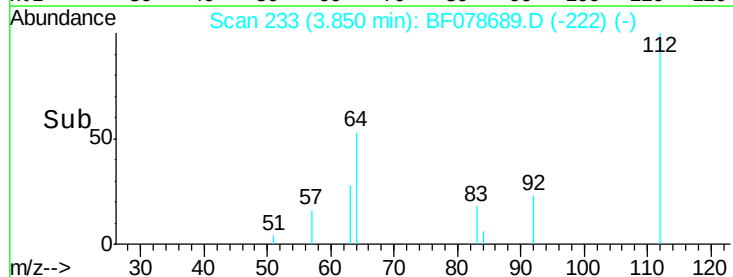
63 28.4 20.2 30.4

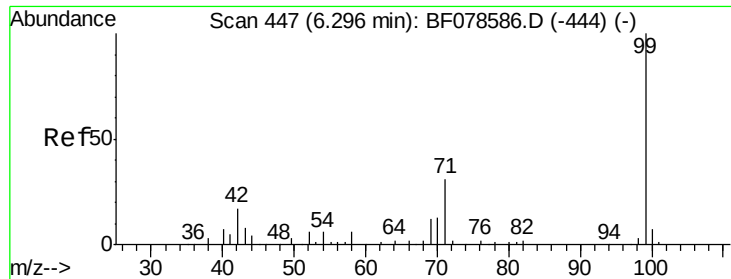


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 4.37 ng

RT: 5.34 min Scan# 363

Delta R.T. 0.01 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Instrument :

BNA_F

ClientSampleId :

SP-B-1RE

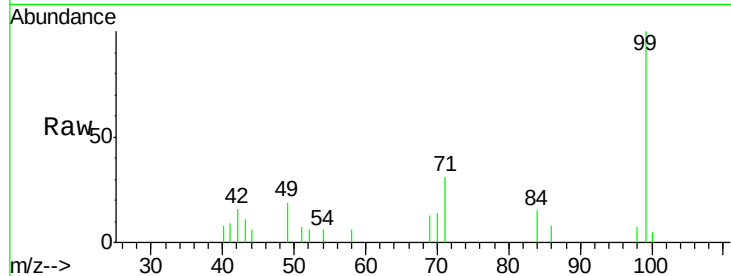
Tgt Ion: 99 Resp: 9520

Ion Ratio Lower Upper

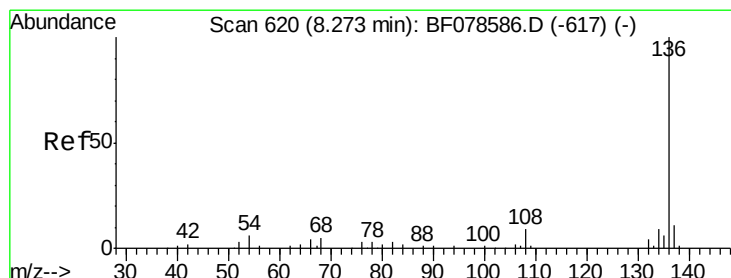
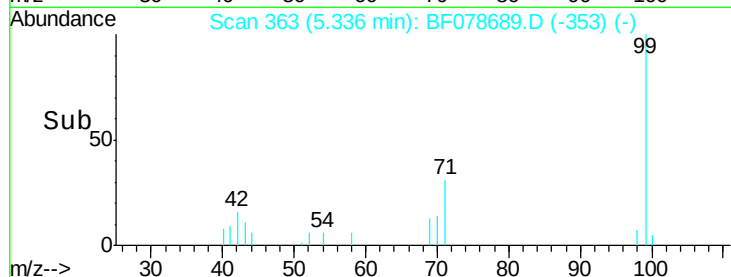
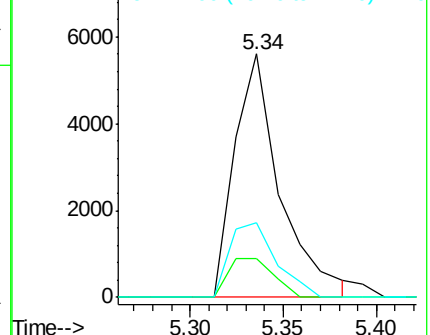
99 100

42 16.0 14.8 22.2

71 30.7 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: BF078689.D

Acq: 21 Apr 2015 18:01

Tgt Ion: 136 Resp: 123681

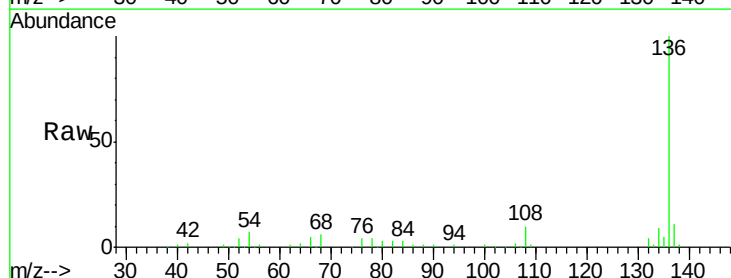
Ion Ratio Lower Upper

136 100

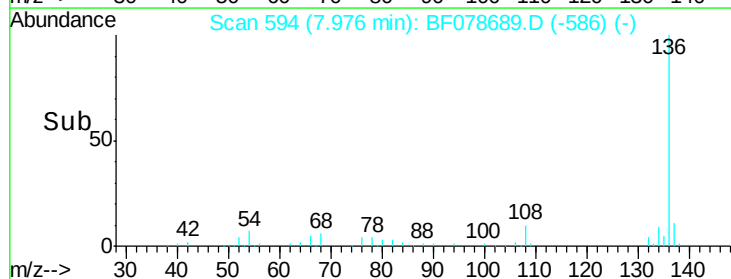
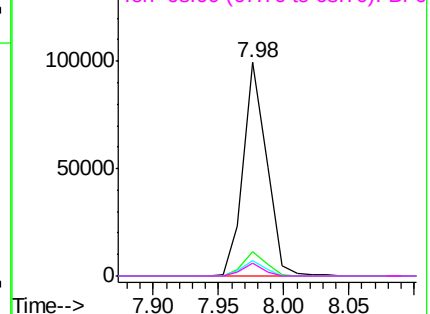
137 11.3 9.0 13.4

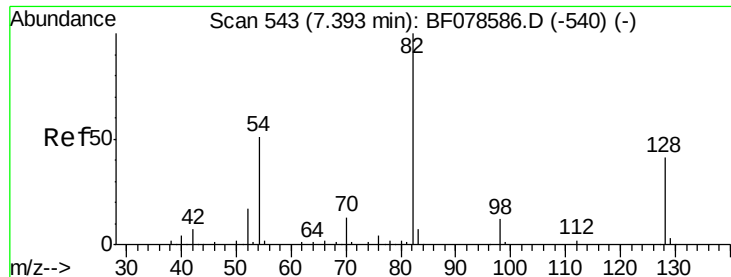
54 7.4 7.0 10.6

68 6.1 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

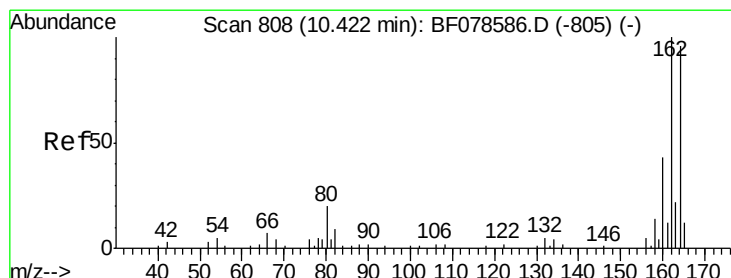
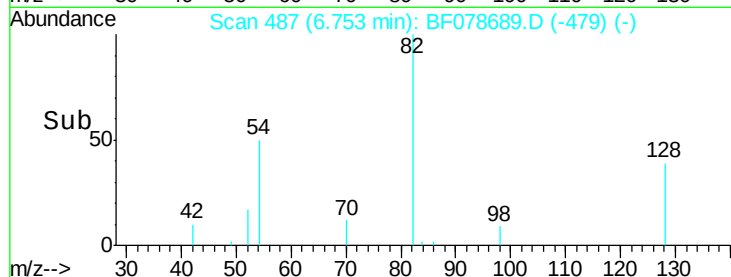
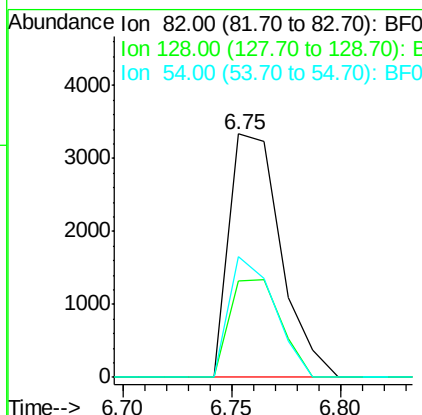
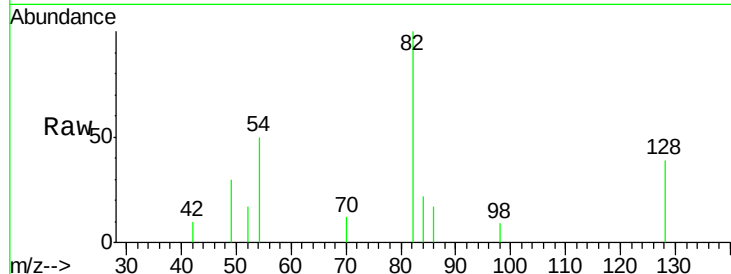




#23
 Nitrobenzene-d5
 Concen: 2.71 ng
 RT: 6.75 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

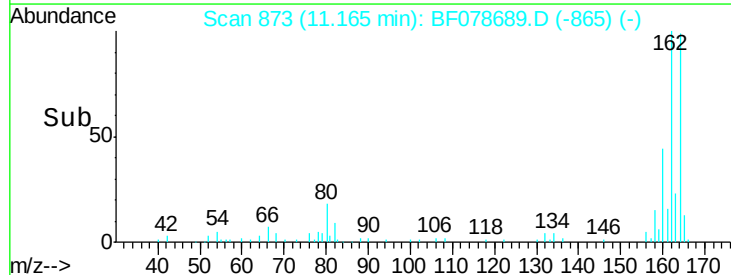
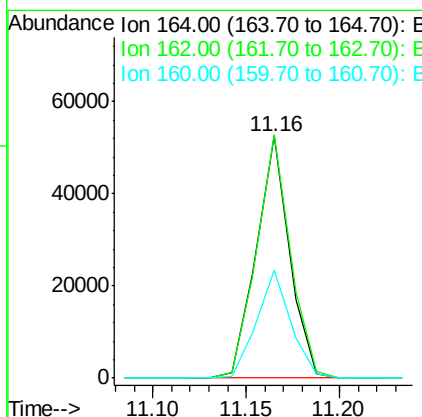
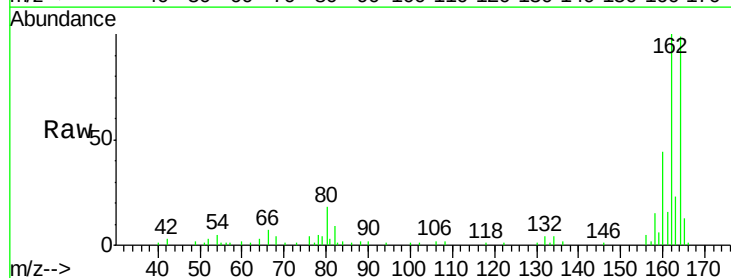
Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1RE

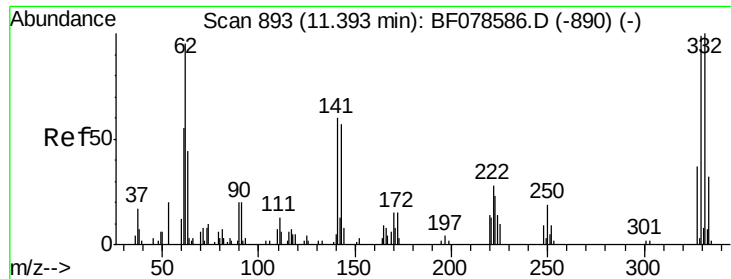
Tgt Ion: 82 Resp: 5521
 Ion Ratio Lower Upper
 82 100
 128 39.4 31.8 47.8
 54 49.6 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Tgt Ion: 164 Resp: 64515
 Ion Ratio Lower Upper
 164 100
 162 100.7 82.2 123.2
 160 44.5 34.7 52.1

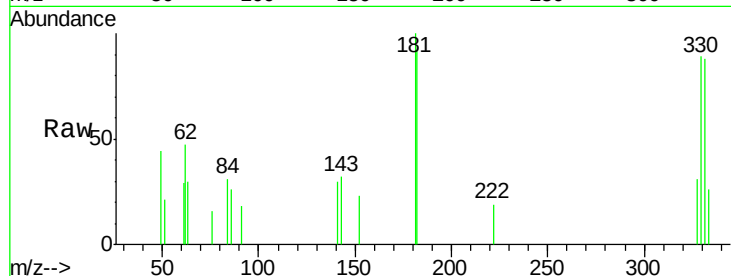




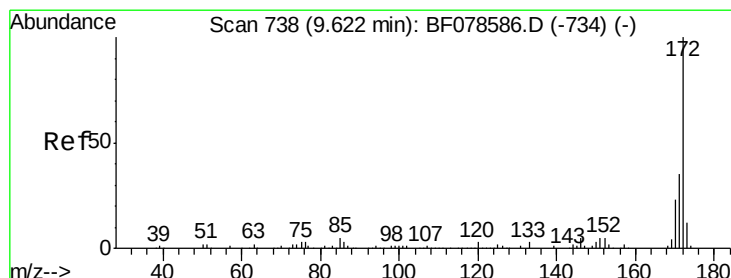
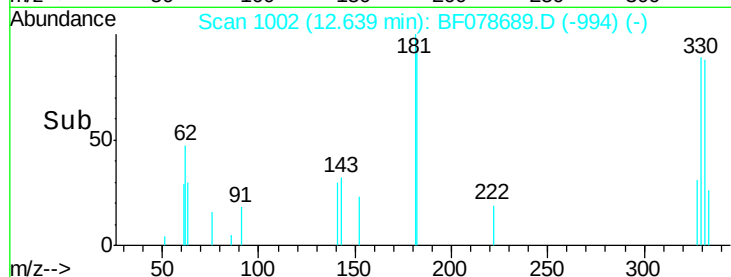
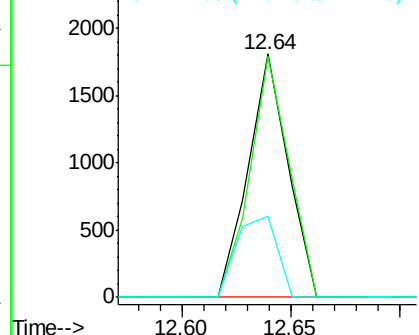
#41
 2,4,6-Tribromophenol
 Concen: 4.29 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1RE

Tgt Ion: 330 Resp: 2293
 Ion Ratio Lower Upper
 330 100
 332 97.1 78.6 117.8
 141 33.9 31.2 46.8

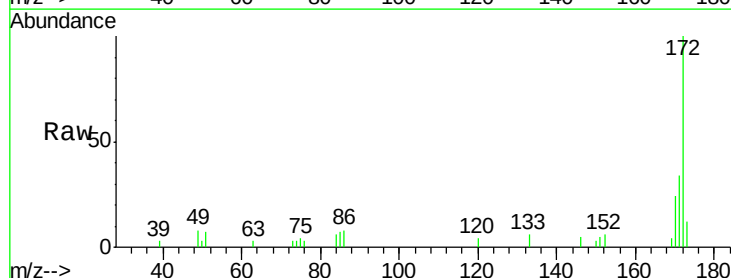


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

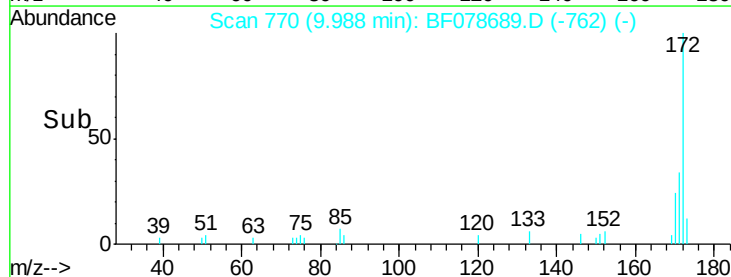
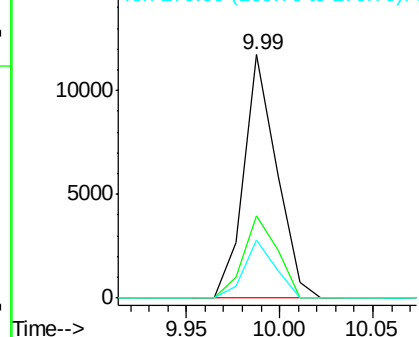


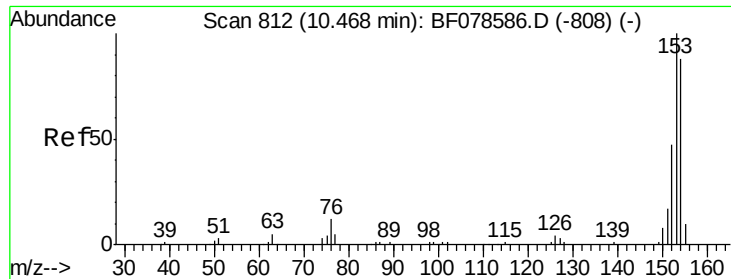
#44
 2-Fluorobiphenyl
 Concen: 3.20 ng
 RT: 9.99 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Tgt Ion: 172 Resp: 14425
 Ion Ratio Lower Upper
 172 100
 171 33.8 28.6 42.8
 170 23.7 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





#51

Acenaphthene

Concen: 2.23 ng

RT: 11.22 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Instrument :

BNA_F

ClientSampleId :

SP-B-1RE

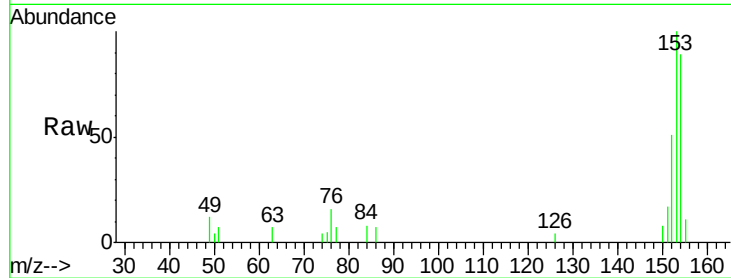
Tgt Ion:154 Resp: 8407

Ion Ratio Lower Upper

154 100

153 112.8 91.4 137.2

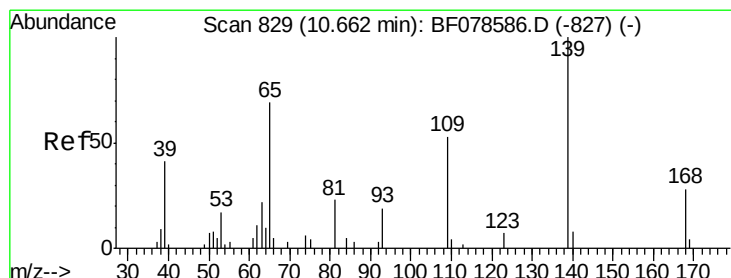
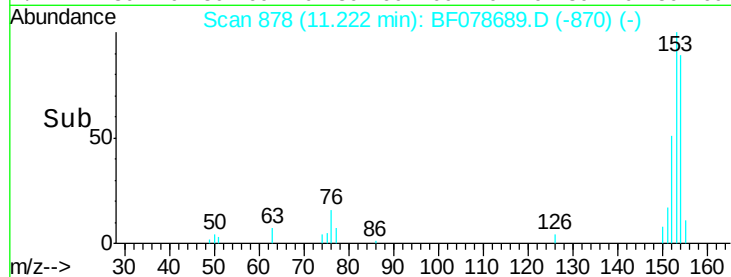
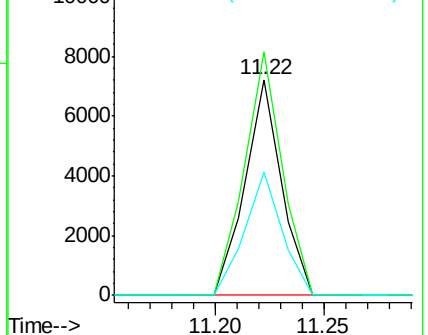
152 57.3 43.0 64.6



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



#55

4-Nitrophenol

Concen: 6.06 ng

RT: 11.55 min Scan# 907

Delta R.T. -0.06 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

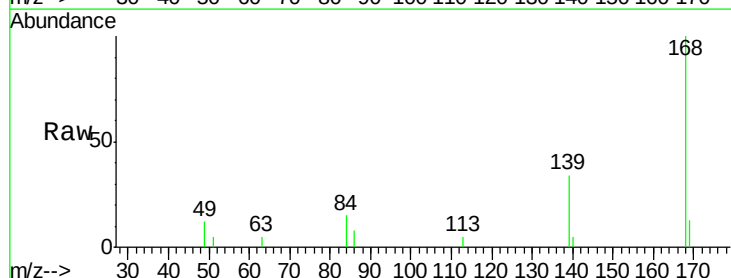
Tgt Ion:139 Resp: 2849

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

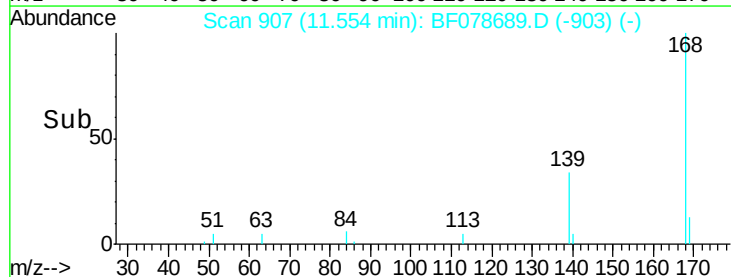
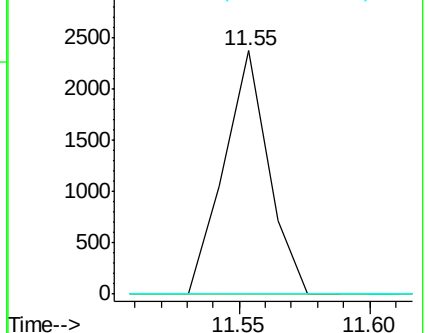
65 0.0 49.9 89.9#

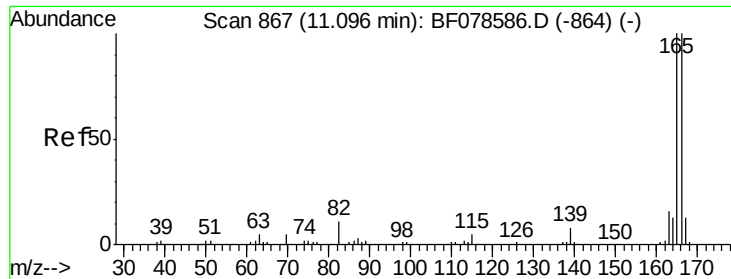


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

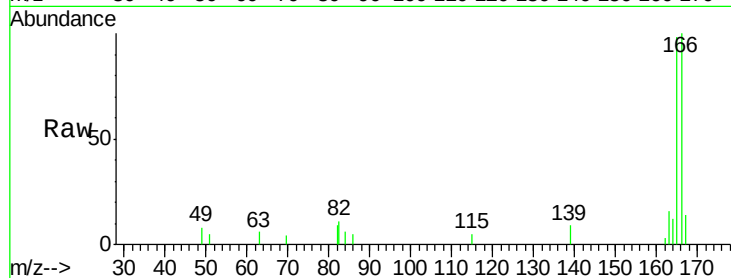




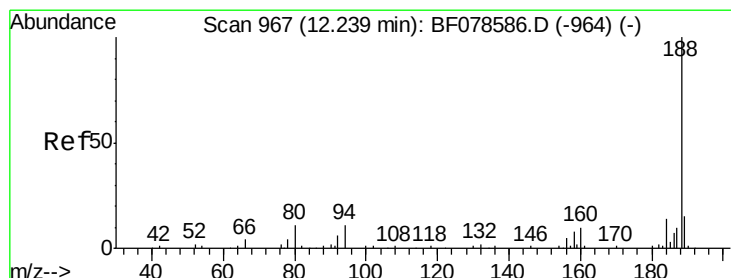
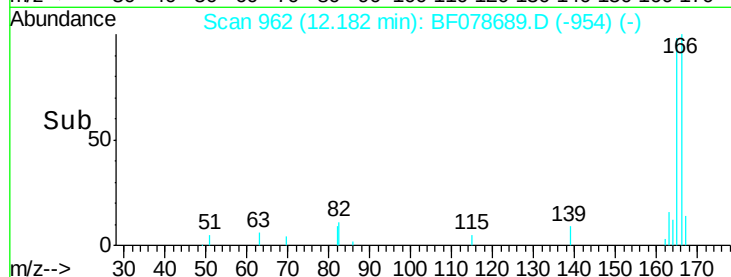
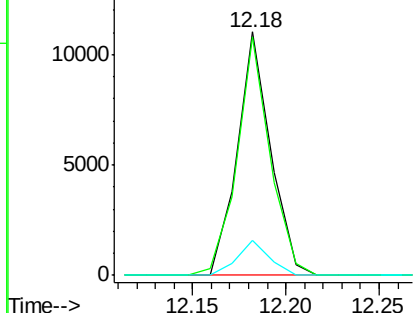
#57
Fluorene
 Concen: 2.94 ng
 RT: 12.18 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1RE

Tgt Ion:166 Resp: 13728
 Ion Ratio Lower Upper
 166 100
 165 97.8 78.9 118.3
 167 14.1 10.7 16.1

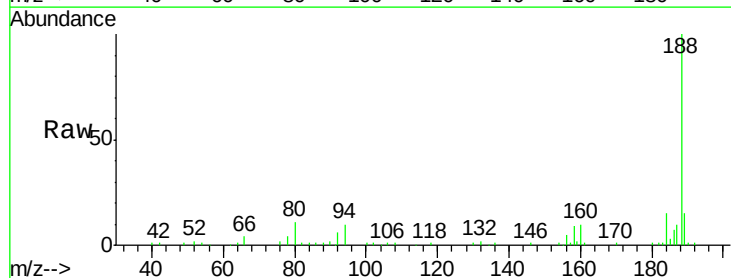


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

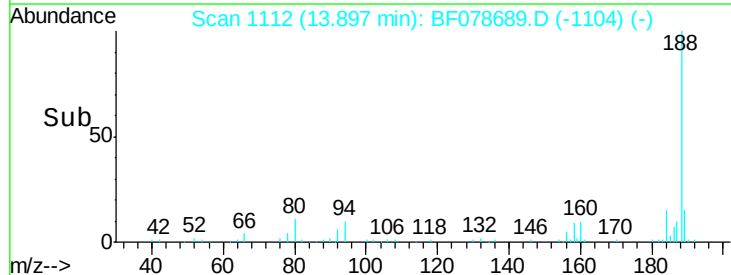
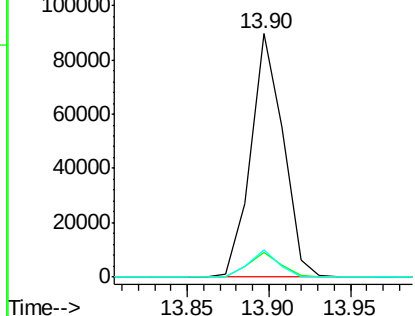


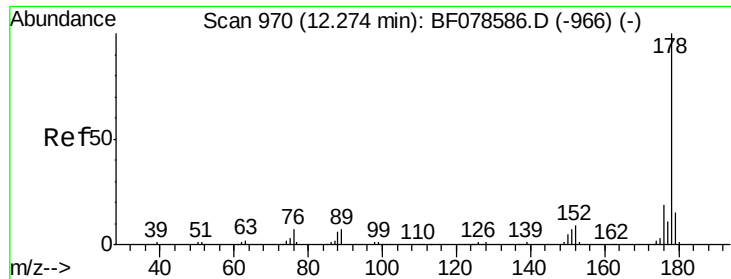
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Tgt Ion:188 Resp: 123587
 Ion Ratio Lower Upper
 188 100
 94 10.2 9.0 13.4
 80 11.0 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

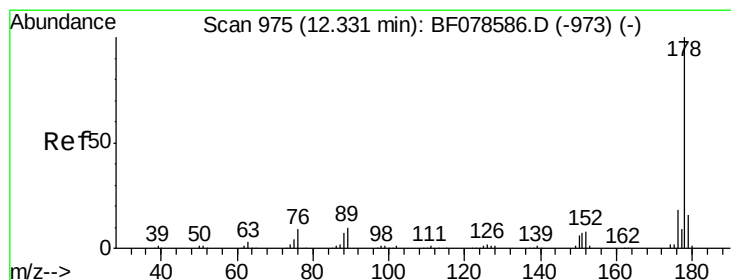
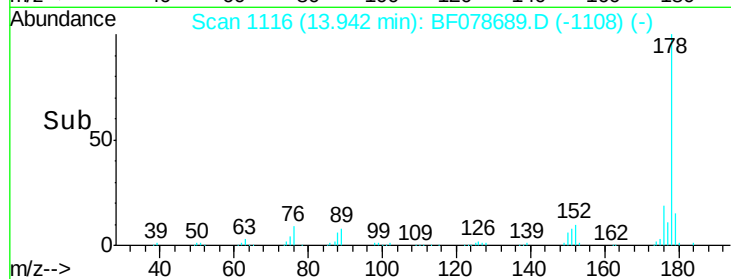
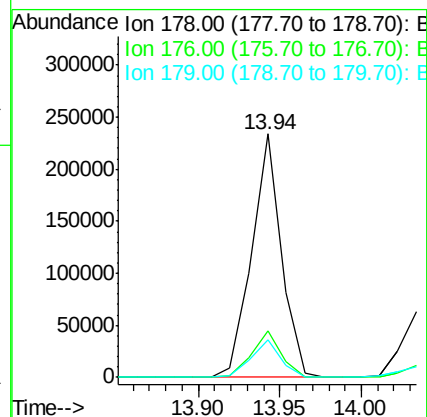
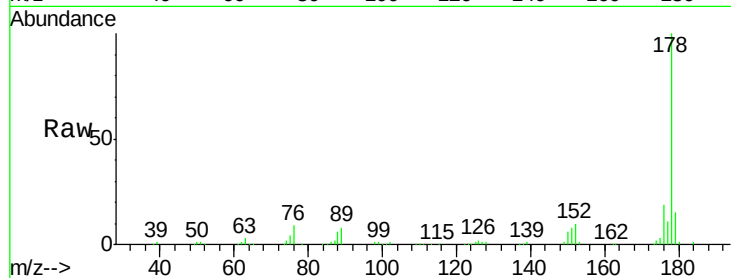




#70
Phenanthrene
Concen: 41.09 ng
RT: 13.94 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF078689.D
Acq: 21 Apr 2015 18:01

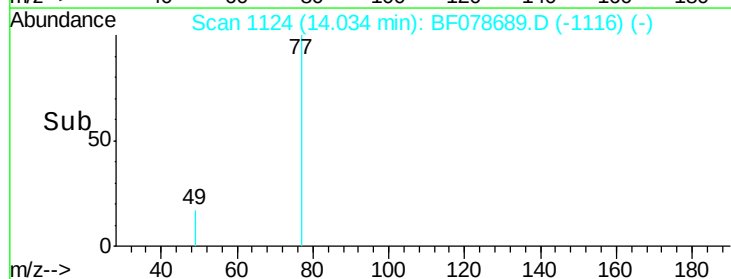
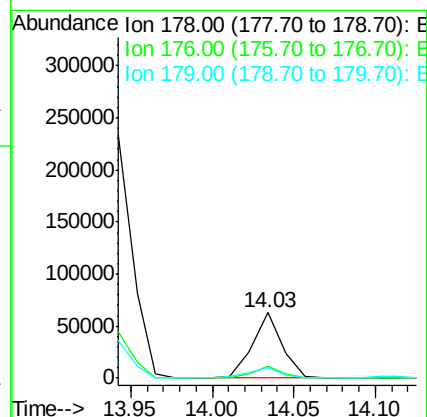
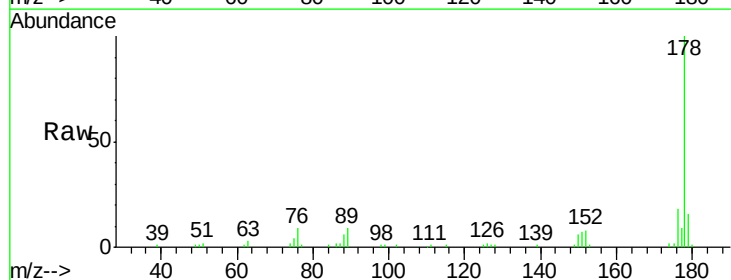
Instrument :
BNA_F
ClientSampleId :
SP-B-1RE

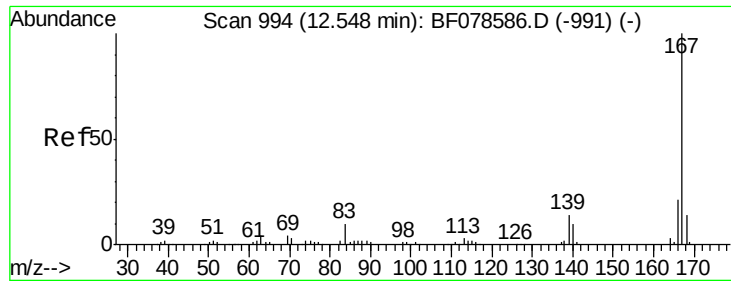
Tgt Ion:178 Resp: 293781
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.3 12.2 18.2



#71
Anthracene
Concen: 11.30 ng
RT: 14.03 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF078689.D
Acq: 21 Apr 2015 18:01

Tgt Ion:178 Resp: 79593
Ion Ratio Lower Upper
178 100
176 17.9 14.8 22.2
179 15.5 12.4 18.6

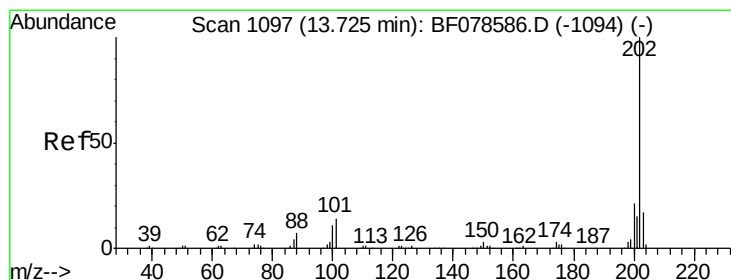
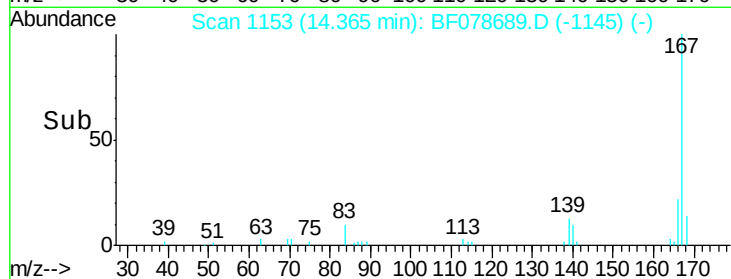
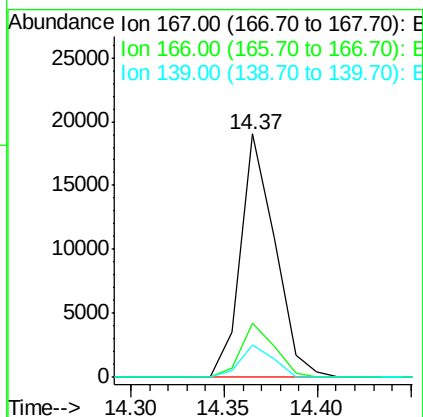
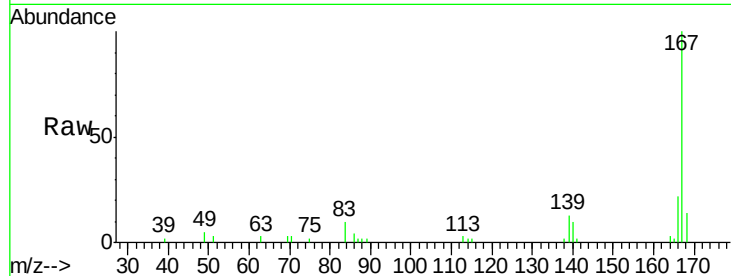




#72
 Carbazole
 Concen: 3.71 ng
 RT: 14.37 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

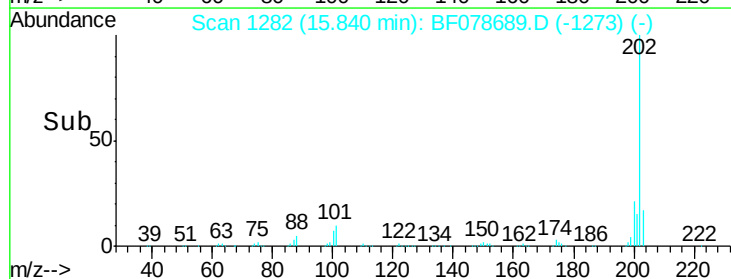
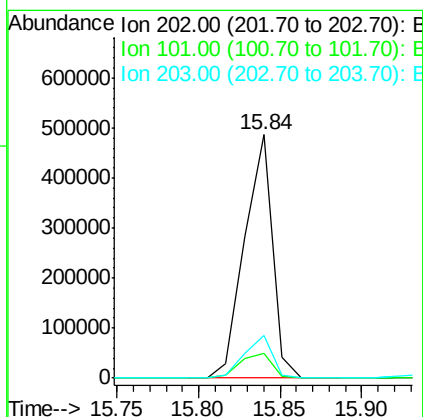
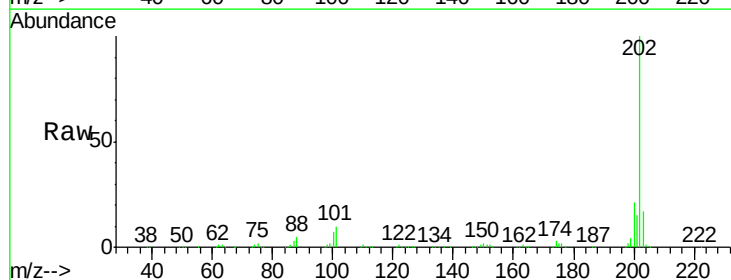
Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1RE

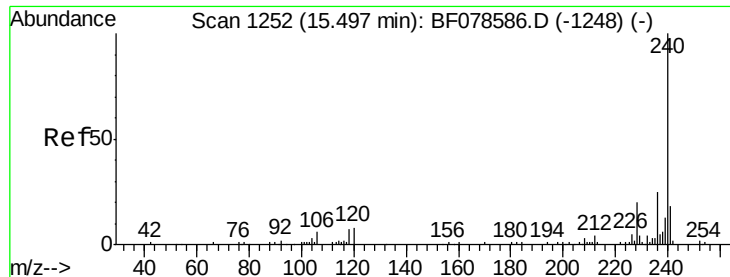
Tgt Ion:167 Resp: 24504
 Ion Ratio Lower Upper
 167 100
 166 22.2 16.8 25.2
 139 13.3 10.0 15.0



#74
 Fluoranthene
 Concen: 76.54 ng
 RT: 15.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Tgt Ion:202 Resp: 577070
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 35.2
 203 17.5 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.77 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Instrument :

BNA_F

ClientSampleId :

SP-B-1RE

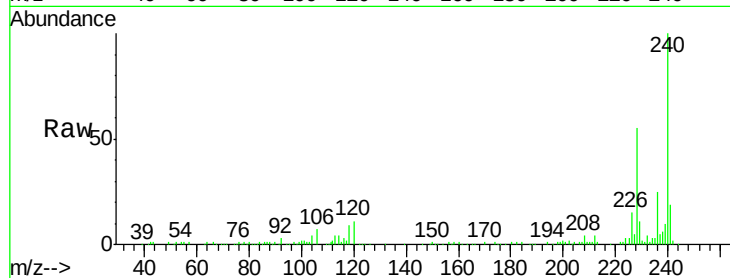
Tgt Ion:240 Resp: 132178

Ion Ratio Lower Upper

240 100

120 11.3 7.1 10.7#

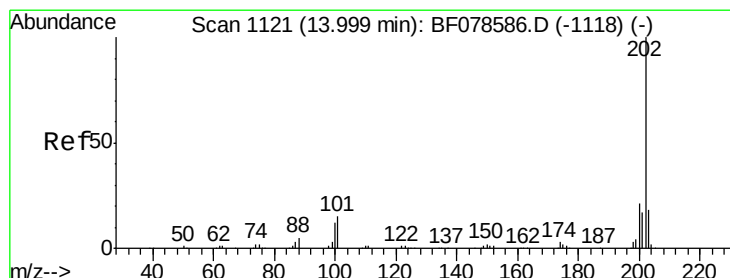
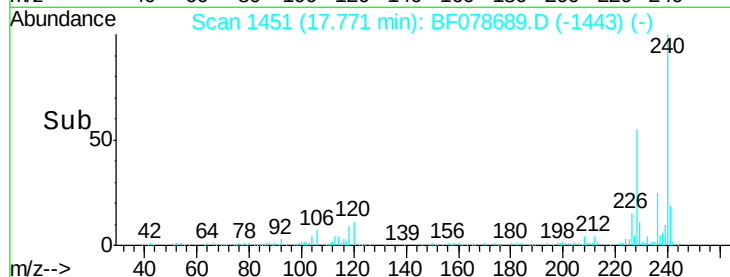
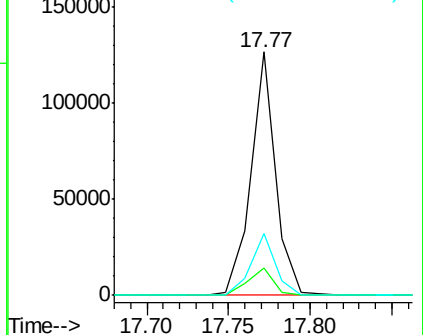
236 25.2 21.4 32.2



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: 63.98 ng

RT: 16.15 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

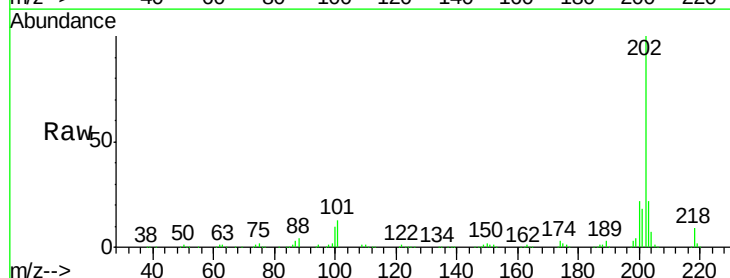
Tgt Ion:202 Resp: 530898

Ion Ratio Lower Upper

202 100

200 21.5 16.3 24.5

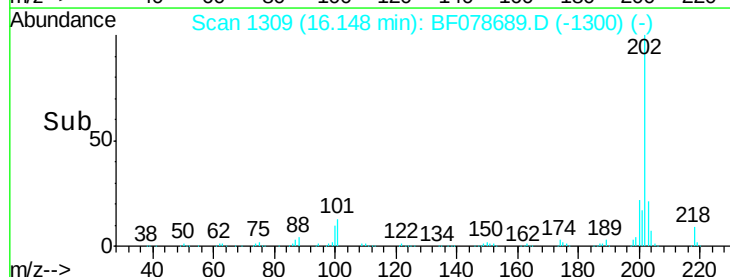
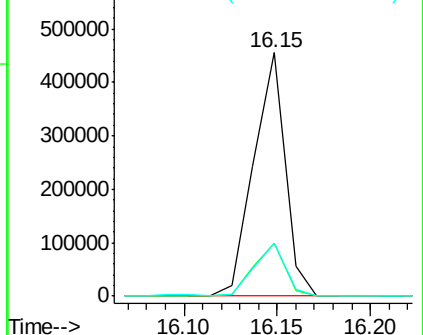
203 21.8 13.8 20.6#

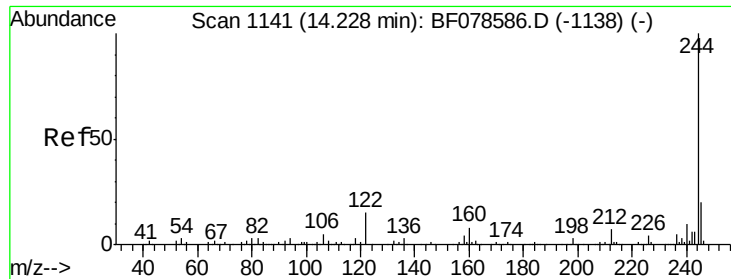


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

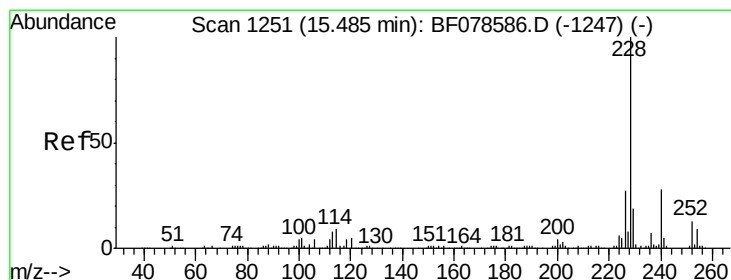
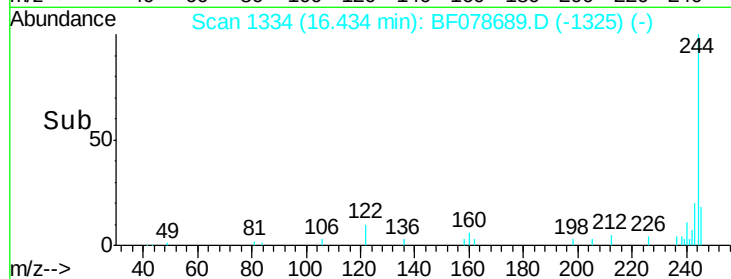
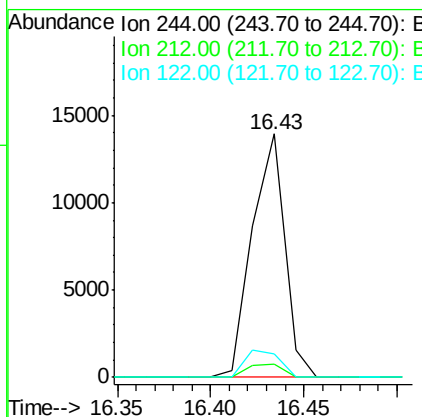
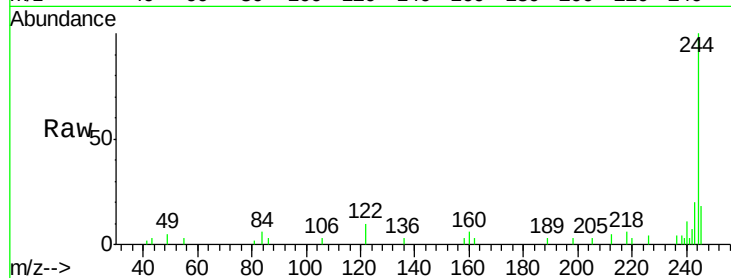




#78
 Terphenyl-d14
 Concen: 2.88 ng
 RT: 16.43 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

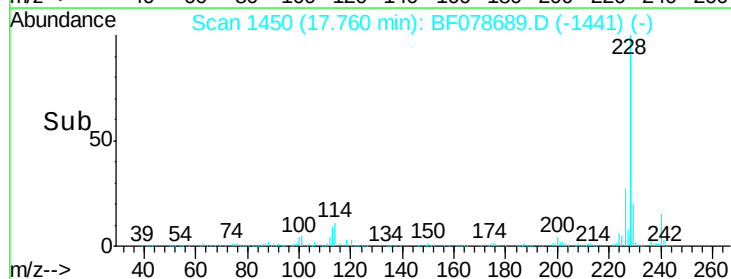
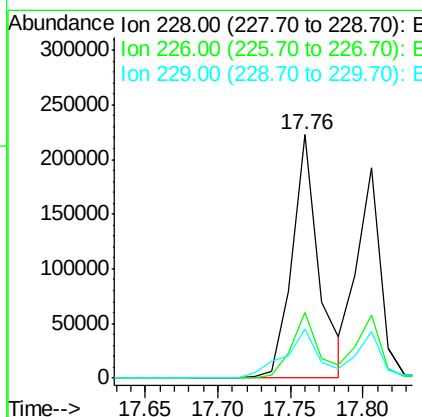
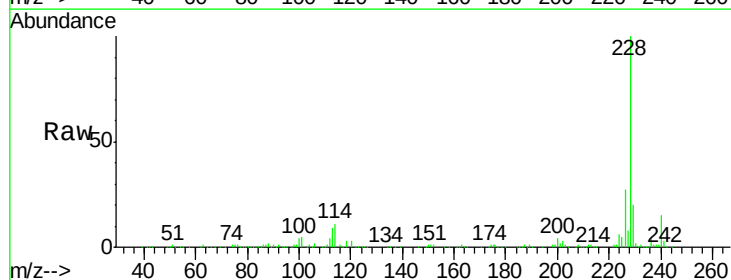
Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1RE

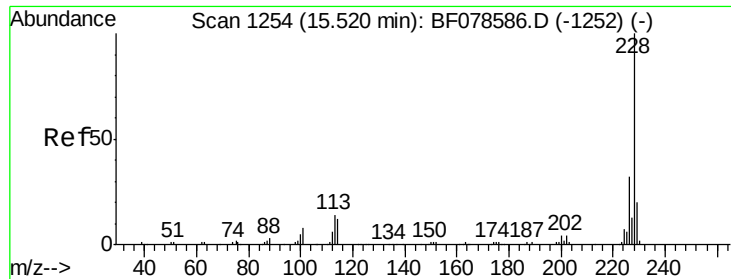
Tgt Ion:244 Resp: 16830
 Ion Ratio Lower Upper
 244 100
 212 5.4 5.0 7.4
 122 9.9 7.1 10.7



#80
 Benzo(a)anthracene
 Concen: 36.45 ng
 RT: 17.76 min Scan# 1450
 Delta R.T. -0.00 min
 Lab File: BF078689.D
 Acq: 21 Apr 2015 18:01

Tgt Ion:228 Resp: 286635
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.3 31.9
 229 20.2 15.4 23.2





#82

Chrysene

Concen: 29.29 ng

RT: 17.81 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Instrument :

BNA_F

ClientSampleId :

SP-B-1RE

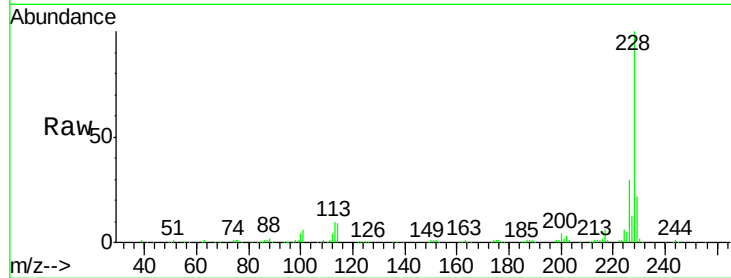
Tgt Ion: 228 Resp: 216413

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.4

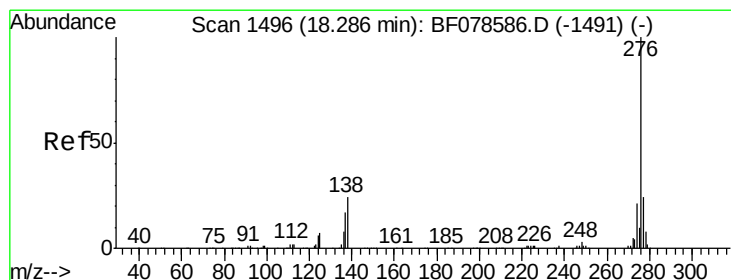
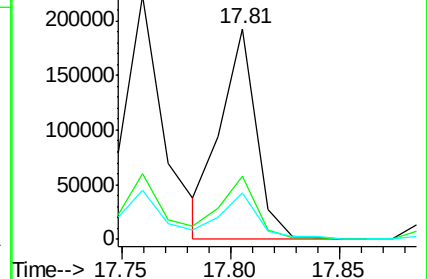
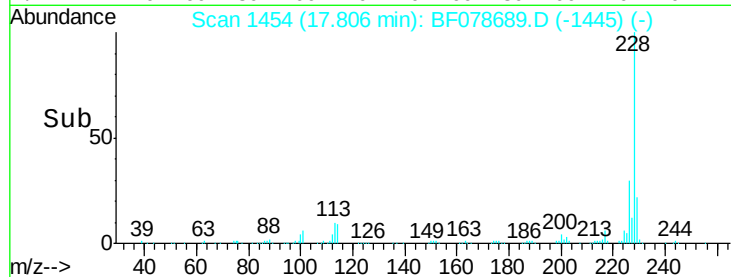
229 21.9 15.8 23.8



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: 3.70 ng

RT: 20.55 min Scan# 1694

Delta R.T. -0.11 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

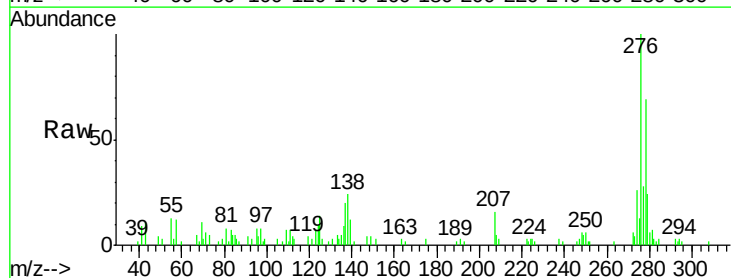
Tgt Ion: 276 Resp: 30993

Ion Ratio Lower Upper

276 100

138 20.4 16.9 25.3

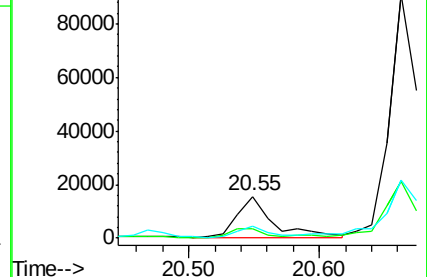
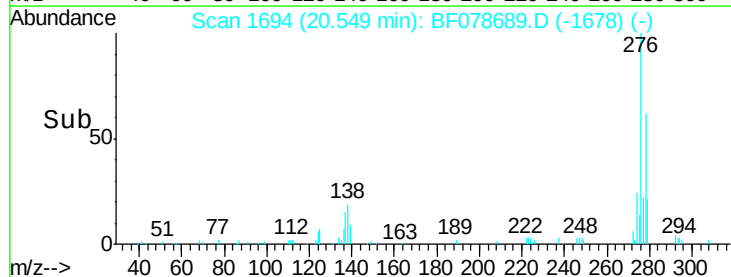
277 22.7 15.8 23.6

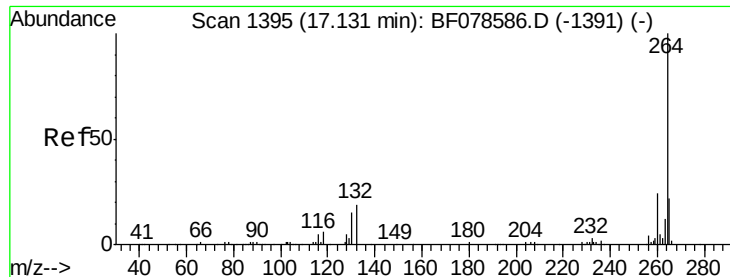


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

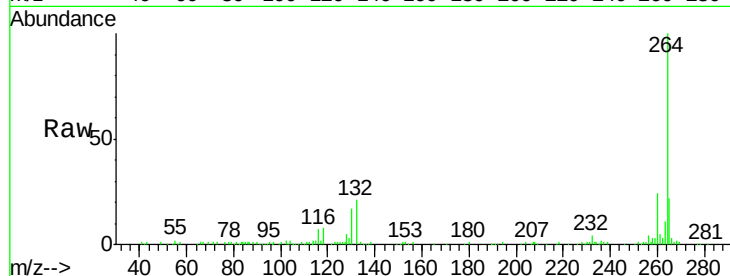




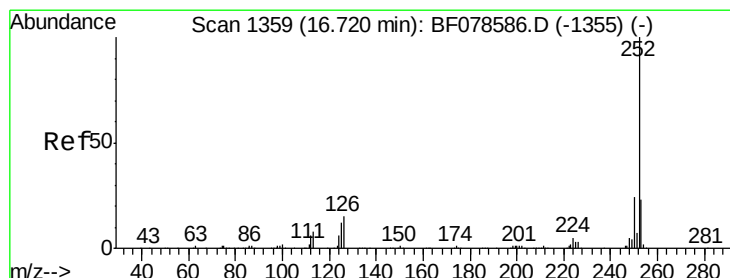
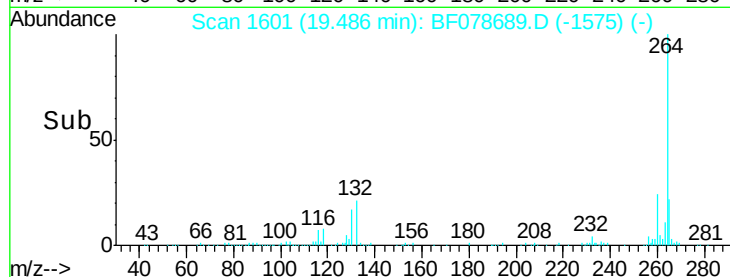
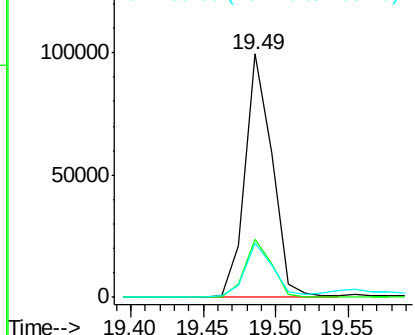
#86
Perylene-d12
Concen: 20.00 ng
RT: 19.49 min Scan# 1601
Delta R.T. -0.00 min
Lab File: BF078689.D
Acq: 21 Apr 2015 18:01

Instrument :
BNA_F
ClientSampleId :
SP-B-1RE

Tgt Ion:264 Resp: 129900
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 22.1 17.0 25.6

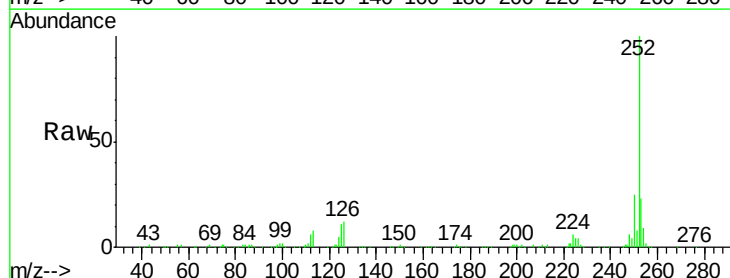


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

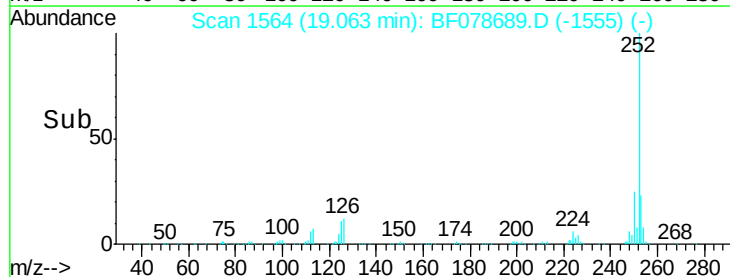
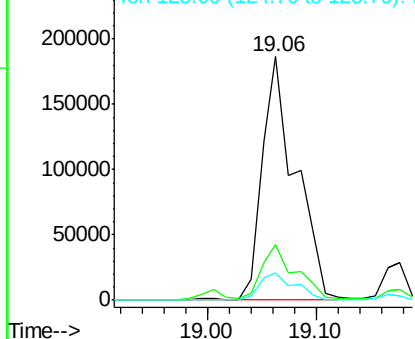


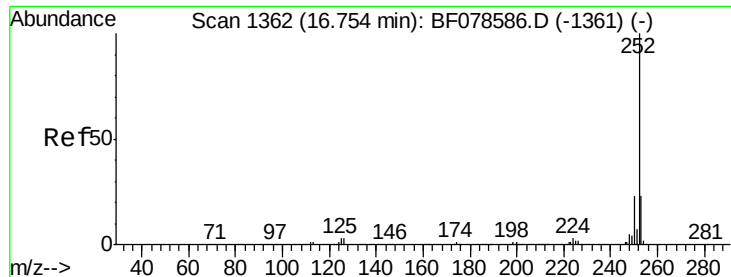
#87
Benzo(b)fluoranthene
Concen: 49.36 ng
RT: 19.06 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BF078689.D
Acq: 21 Apr 2015 18:01

Tgt Ion:252 Resp: 396270
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 11.3 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





#88

Benzo(k)fluoranthene

Concen: 55.59 ng

RT: 19.06 min Scan# 1564

Delta R.T. -0.03 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

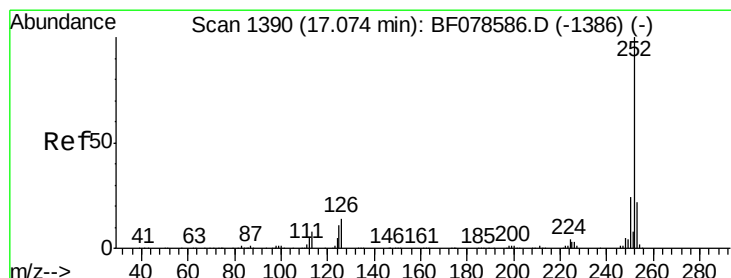
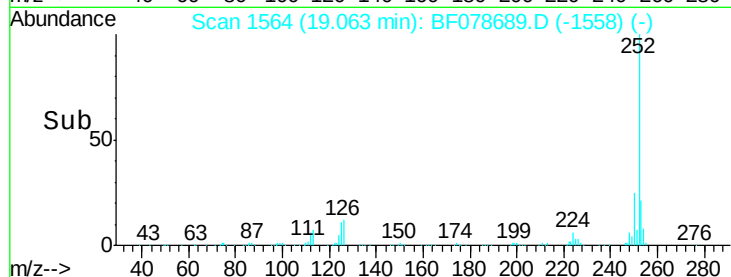
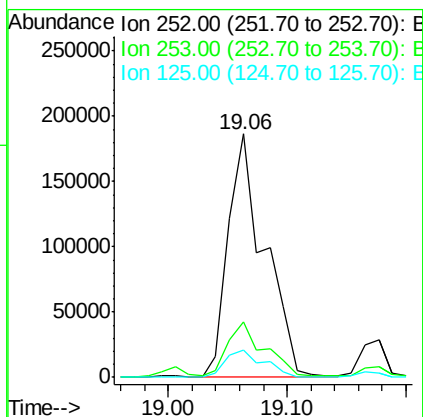
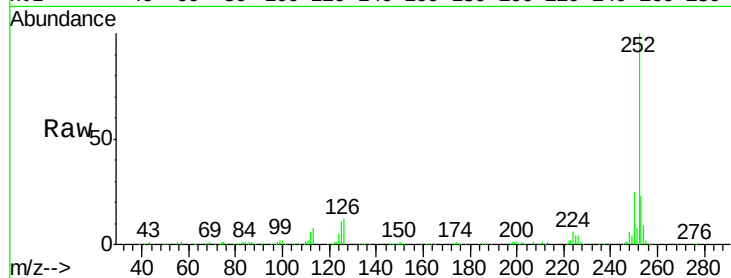
Instrument :

BNA_F

ClientSampleId :

SP-B-1RE

Tgt Ion:	252	Resp:	396637
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	11.3	11.6	17.4#



#89

Benzo(a)pyrene

Concen: 29.61 ng

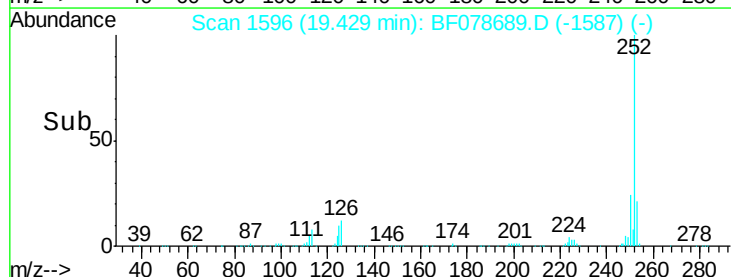
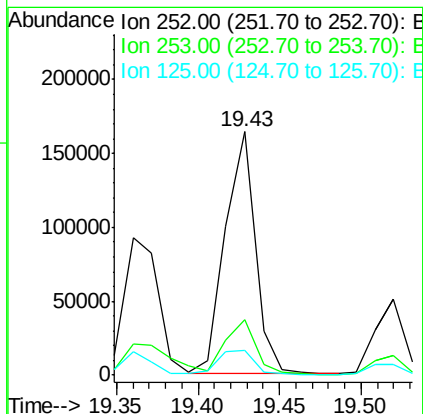
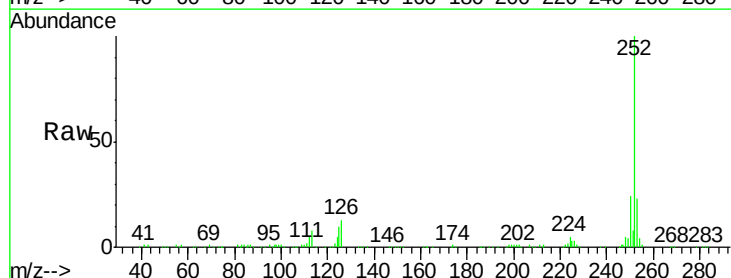
RT: 19.43 min Scan# 1596

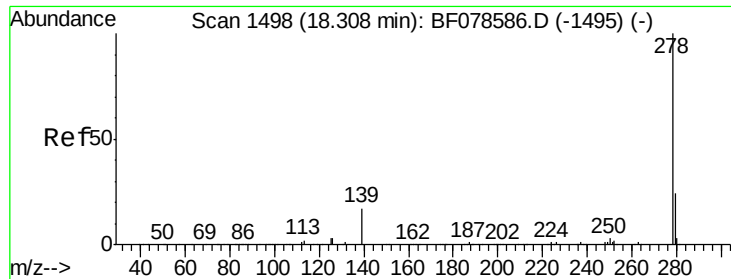
Delta R.T. -0.00 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Tgt Ion:	252	Resp:	207430
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.8	25.2
125	10.1	7.4	11.0





#90

Dibenzo(a,h)anthracene

Concen: 4.60 ng

RT: 20.69 min Scan# 1706

Delta R.T. -0.00 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

Instrument :

BNA_F

ClientSampleId :

SP-B-1RE

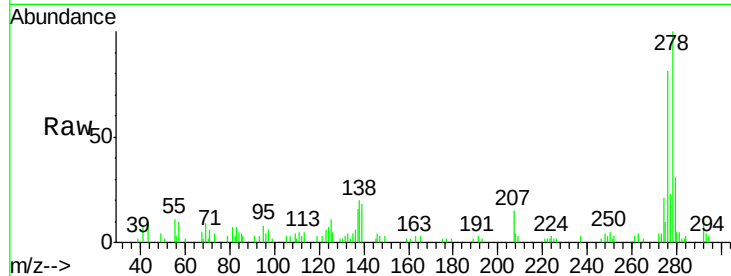
Tgt Ion: 278 Resp: 32262

Ion Ratio Lower Upper

278 100

139 18.3 13.6 20.4

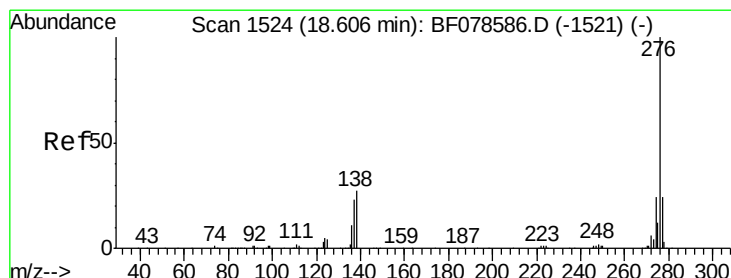
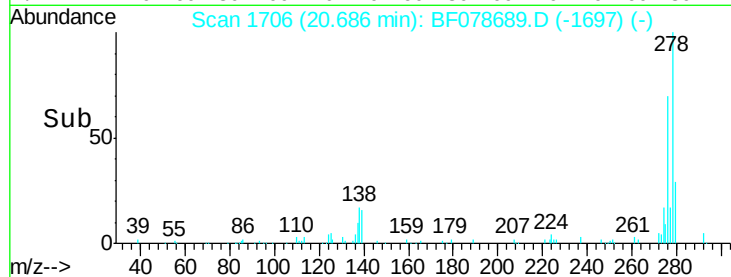
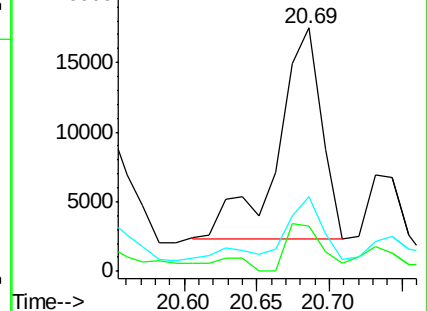
279 30.6 19.0 28.6#



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: 18.89 ng

RT: 20.98 min Scan# 1732

Delta R.T. -0.00 min

Lab File: BF078689.D

Acq: 21 Apr 2015 18:01

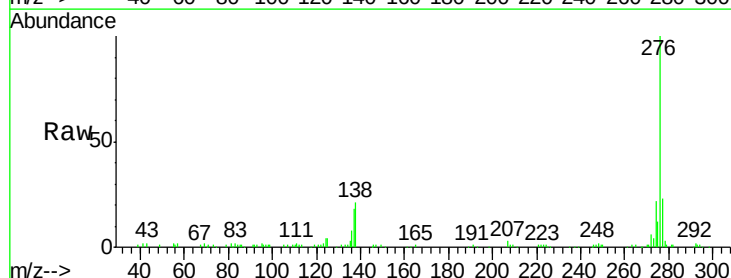
Tgt Ion: 276 Resp: 132850

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.4

138 21.0 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

