

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078970.D
 Acq On : 6 May 2015 19:53
 Operator : TP/IZ
 Sample : G2114-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(0-6)

Quant Time: May 07 01:11:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

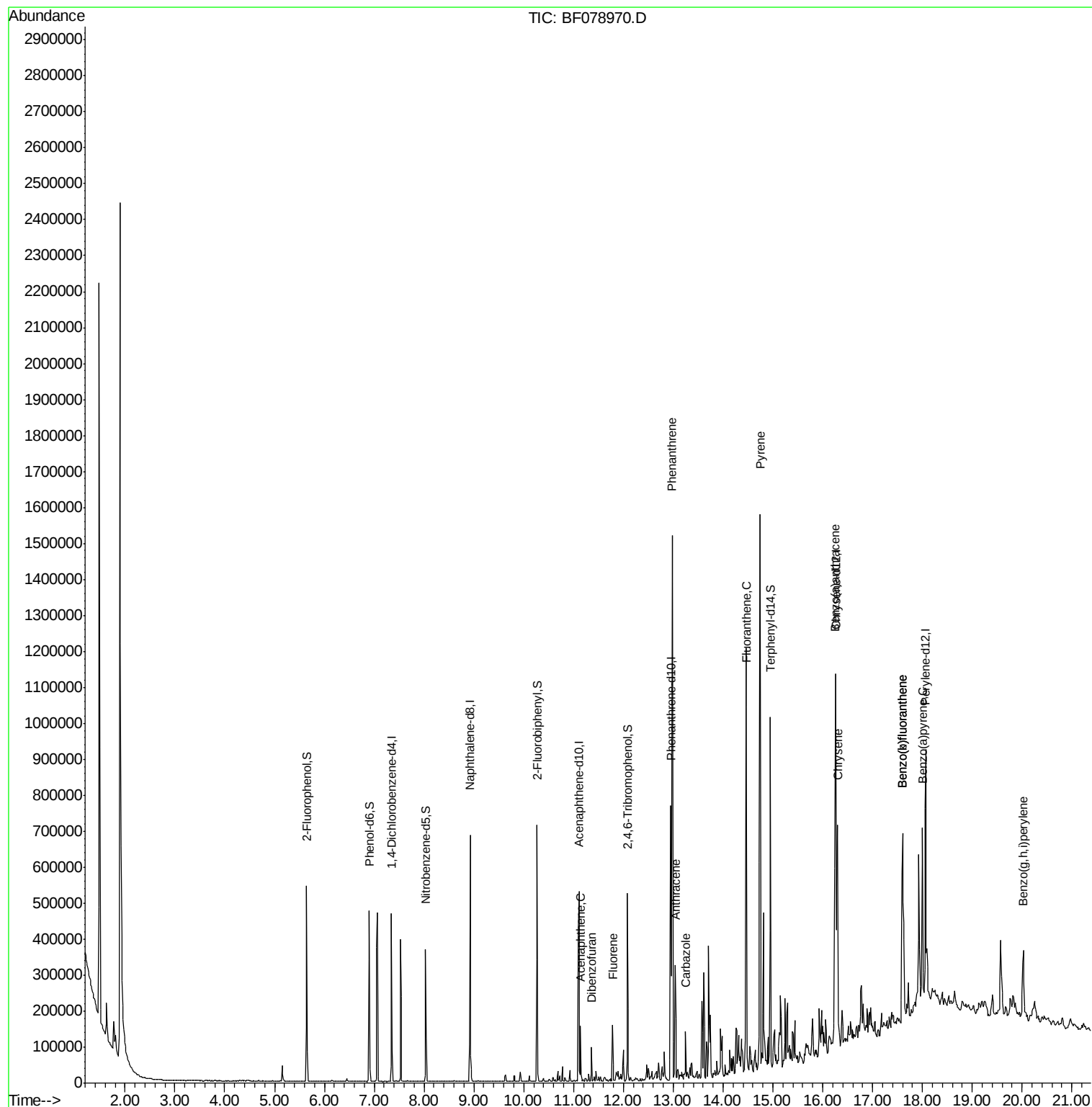
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	66819	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	295512	20.00	ng	0.00
38) Acenaphthene-d10	11.11	164	144430	20.00	ng	0.01
63) Phenanthrene-d10	12.95	188	299833	20.00	ng	0.00
75) Chrysene-d12	16.26	240	336143	20.00	ng	-0.05
86) Perylene-d12	18.07	264	374991	20.00	ng	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	156474	40.31	ng	0.01
7) Phenol-d6	6.90	99	216150	42.13	ng	0.01
23) Nitrobenzene-d5	8.03	82	121462	23.62	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	62793	40.19	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	254216	24.52	ng	0.00
78) Terphenyl-d14	14.95	244	321275	22.88	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	11.14	154	32528	3.71	ng	98
54) Dibenzofuran	11.36	168	32815	2.59	ng	96
57) Fluorene	11.78	166	45643	4.39	ng	97
70) Phenanthrene	12.98	178	603465	35.98	ng	100
71) Anthracene	13.04	178	149039	9.06	ng	99
72) Carbazole	13.25	167	41445	2.64	ng	98
74) Fluoranthene	14.47	202	684637	39.17	ng	92
77) Pyrene	14.74	202	654201	33.77	ng	98
80) Benzo(a)anthracene	16.25	228	380488	20.67	ng	100
82) Chrysene	16.30	228	276336	15.61	ng	98
87) Benzo(b)fluoranthene	17.60	252	404678	19.72	ng	99
88) Benzo(k)fluoranthene	17.60	252	478207	24.07	ng	99
89) Benzo(a)pyrene	18.00	252	267560	14.16	ng	98
91) Benzo(g,h,i)perylene	20.02	276	156223	7.76	ng	99

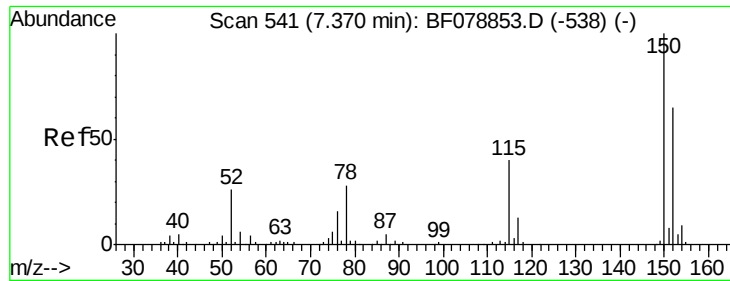
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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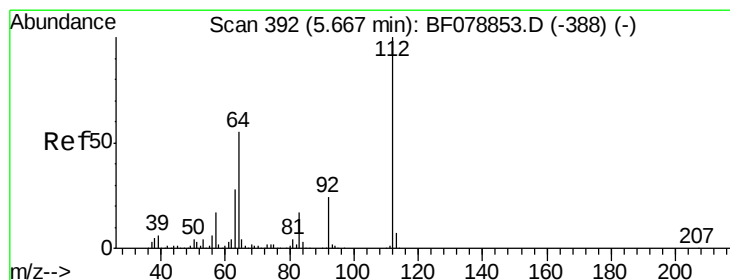
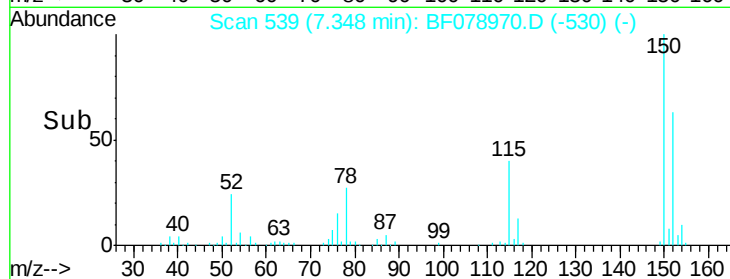
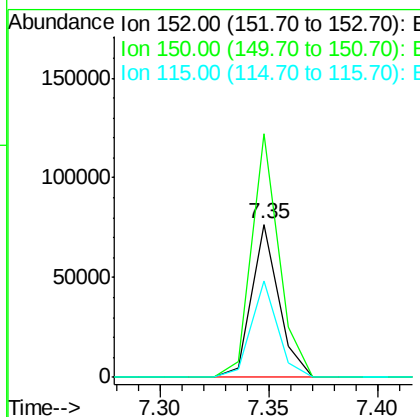
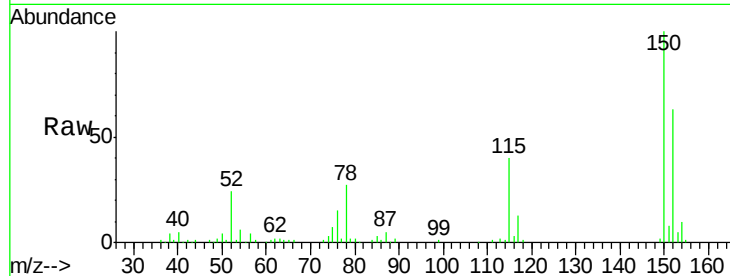




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

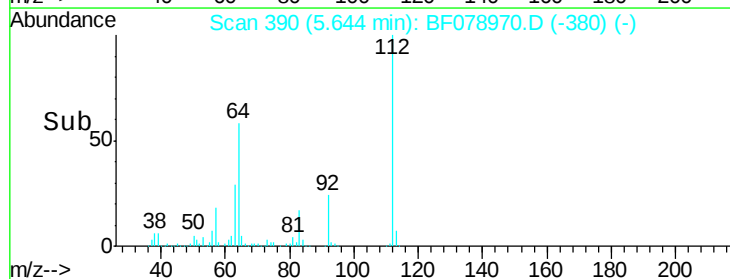
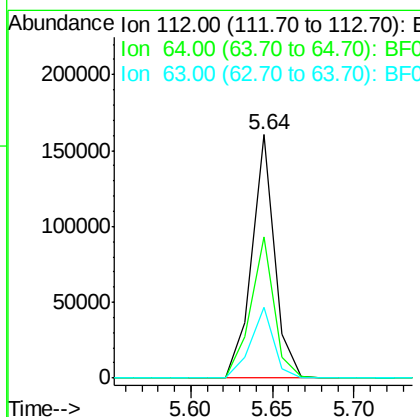
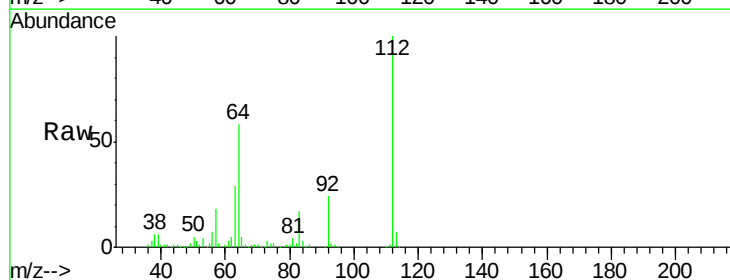
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 BNA_F
 ClientSampleId :
 GRID-1(0-6)

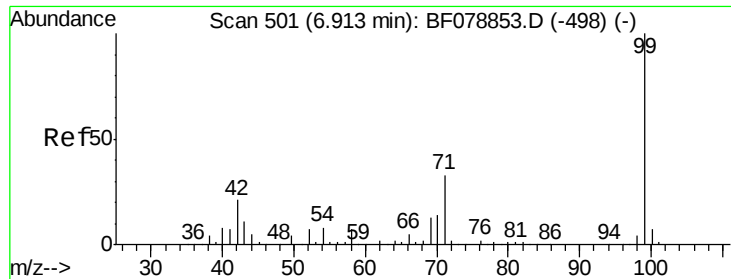
Tgt Ion:152 Resp: 66819
 Ion Ratio Lower Upper
 152 100
 150 158.9 122.0 183.0
 115 62.8 46.3 69.5



#5
 2-Fluorophenol
 Concen: 40.31 ng
 RT: 5.64 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Tgt Ion:112 Resp: 156474
 Ion Ratio Lower Upper
 112 100
 64 58.2 53.5 80.3
 63 29.2 27.5 41.3





#7

Phenol-d6

Concen: 42.13 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Instrument :

BNA_F

ClientSampleId :

GRID-1(0-6)

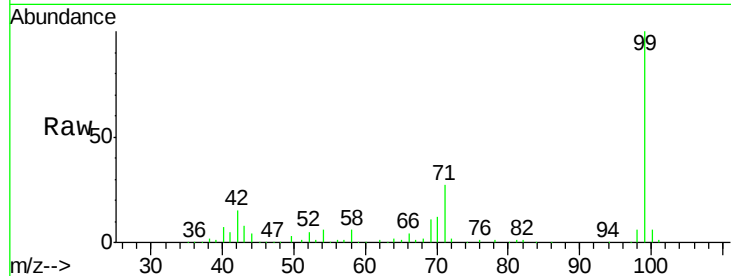
Tgt Ion: 99 Resp: 216150

Ion Ratio Lower Upper

99 100

42 15.0 12.8 19.2

71 27.4 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)

6.90

250000

200000

150000

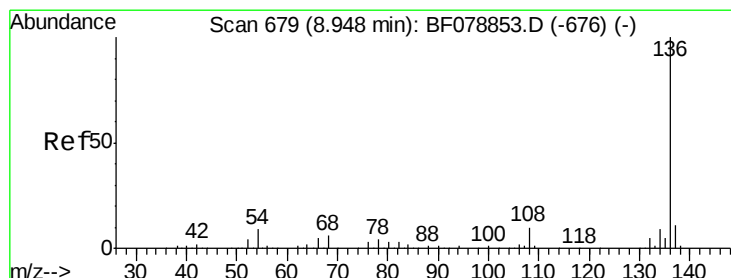
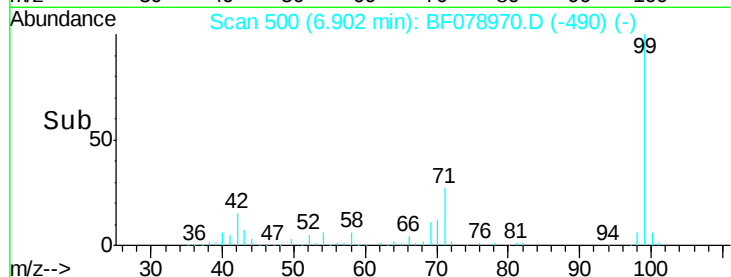
100000

50000

0

6.85 6.90 6.95

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Tgt Ion: 136 Resp: 295512

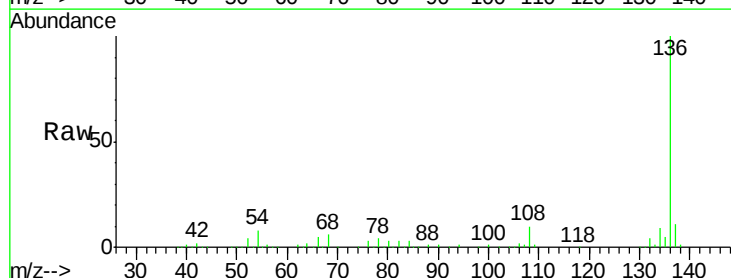
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 7.5 5.8 8.8

68 5.7 4.2 6.4



Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

Ion 137.00 (136.70 to 137.70): BF078853.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-676) (-)

Ion 68.00 (67.70 to 68.70): BF078853.D (-676) (-)

8.92

500000

400000

300000

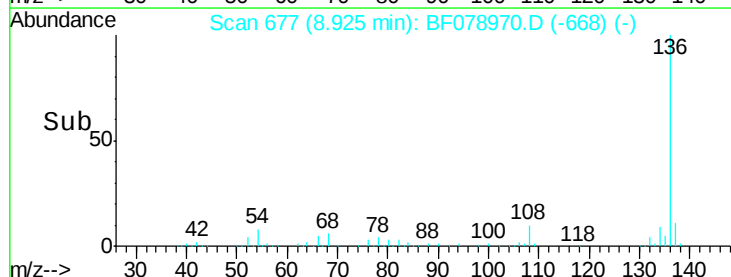
200000

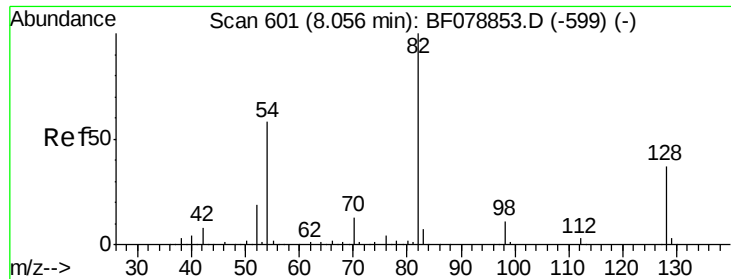
100000

0

8.85 8.90 8.95 9.00

Time-->

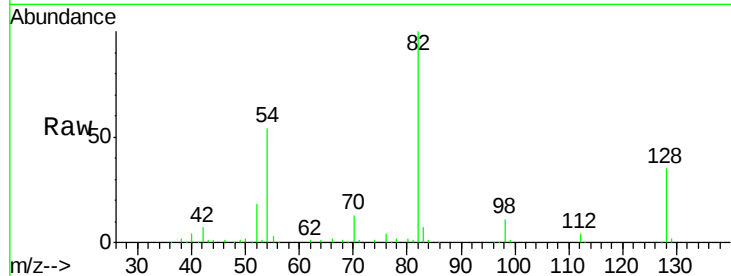




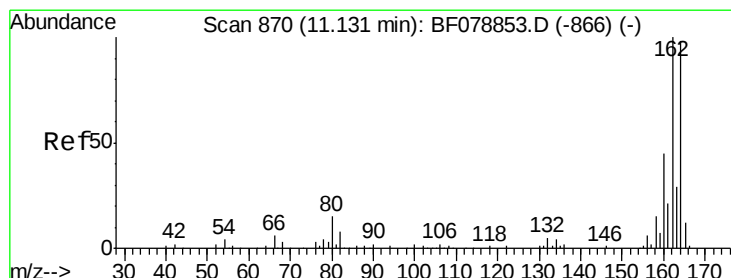
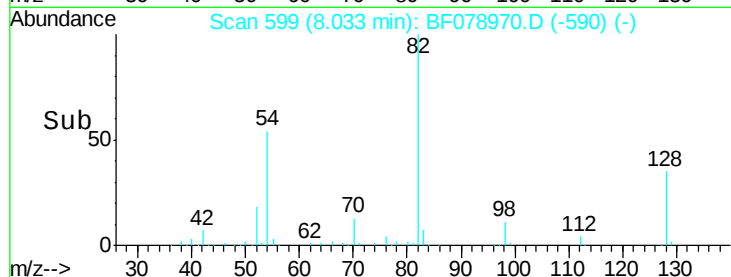
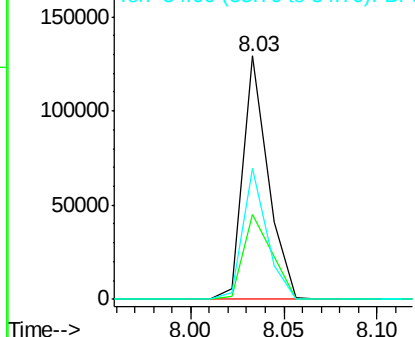
#23
 Nitrobenzene-d5
 Concen: 23.62 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(0-6)

Tgt Ion: 82 Resp: 121462
 Ion Ratio Lower Upper
 82 100
 128 34.8 30.0 45.0
 54 53.9 46.4 69.6

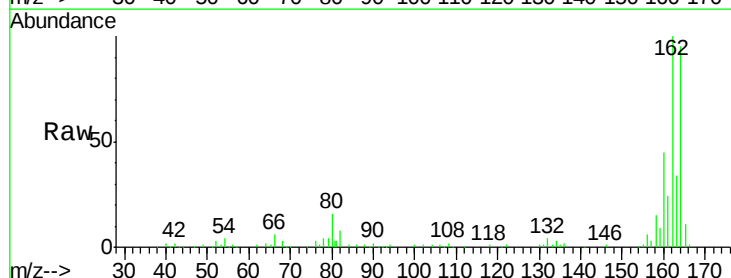


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

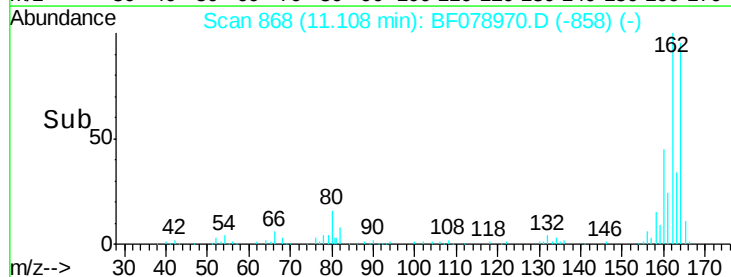
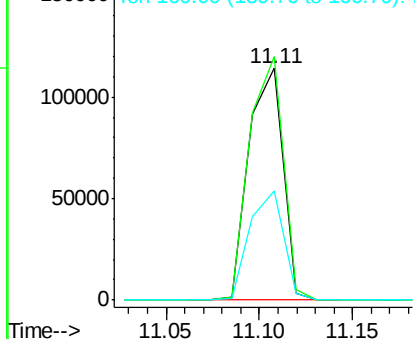


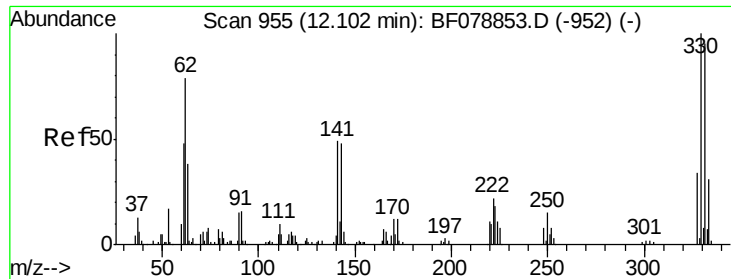
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 868
 Delta R.T. 0.01 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Tgt Ion: 164 Resp: 144430
 Ion Ratio Lower Upper
 164 100
 162 105.0 82.7 124.1
 160 47.2 35.8 53.8



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

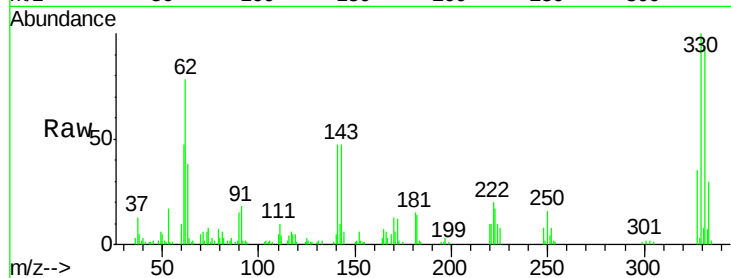




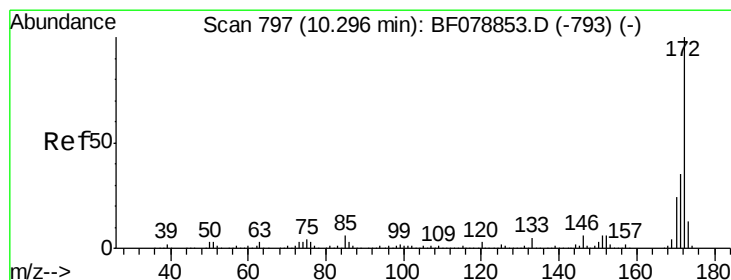
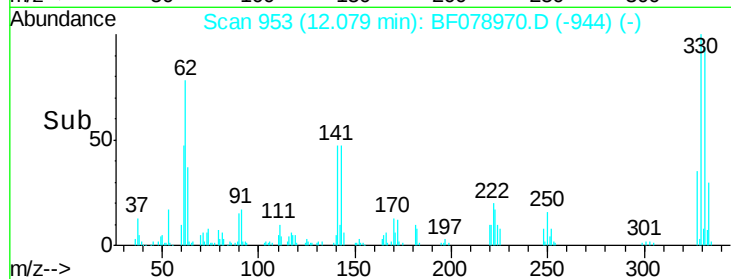
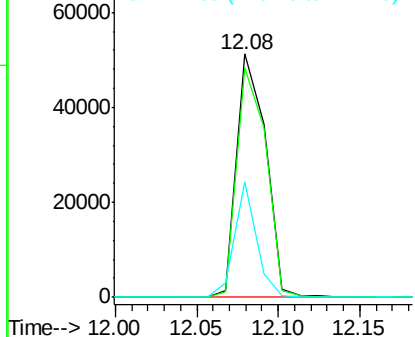
#41
 2,4,6-Tribromophenol
 Concen: 40.19 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(0-6)

Tgt Ion:330 Resp: 62793
 Ion Ratio Lower Upper
 330 100
 332 95.1 0.0 0.0#
 141 35.7 0.0 0.0#

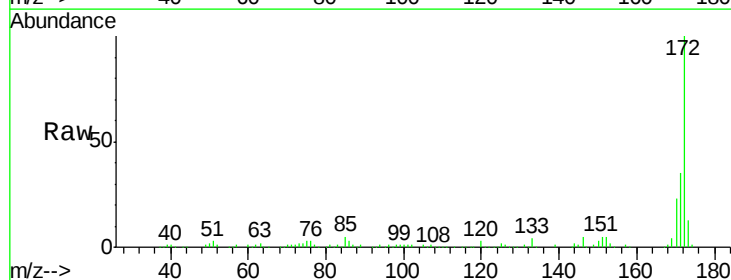


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

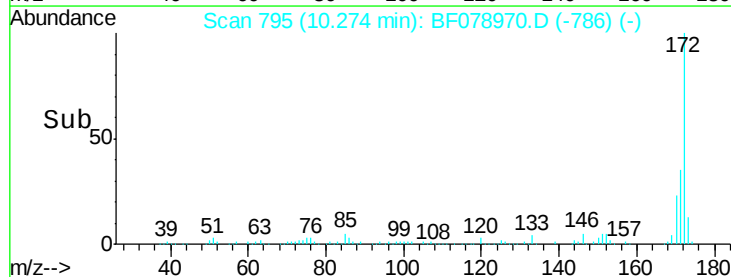
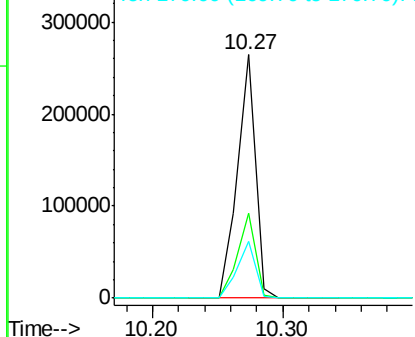


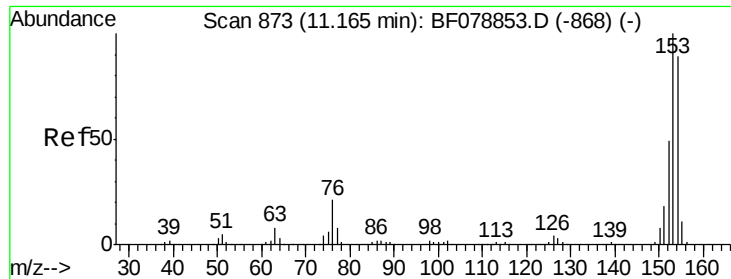
#44
 2-Fluorobiphenyl
 Concen: 24.52 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Tgt Ion:172 Resp: 254216
 Ion Ratio Lower Upper
 172 100
 171 34.8 27.9 41.9
 170 23.1 19.4 29.0



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





#51

Acenaphthene

Concen: 3.71 ng

RT: 11.14 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Instrument :

BNA_F

ClientSampled :

GRID-1(0-6)

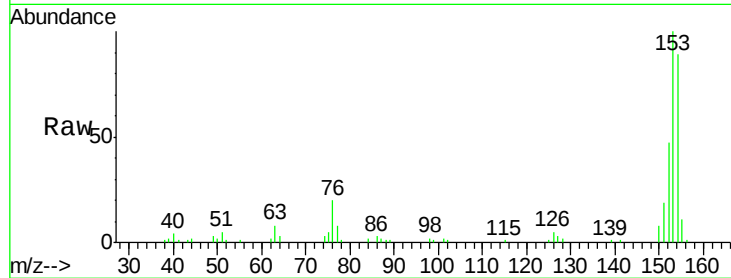
Tgt Ion:154 Resp: 32528

Ion Ratio Lower Upper

154 100

153 112.5 91.5 137.3

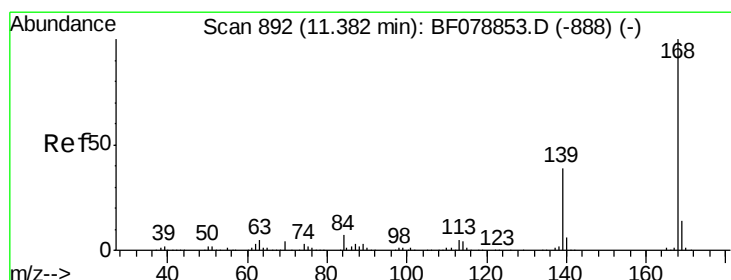
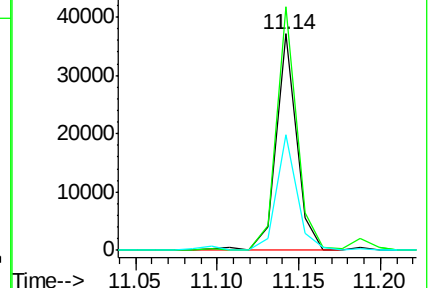
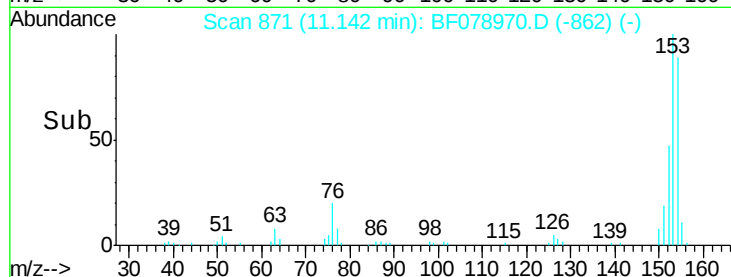
152 53.2 44.2 66.4



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: 2.59 ng

RT: 11.36 min Scan# 890

Delta R.T. 0.00 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

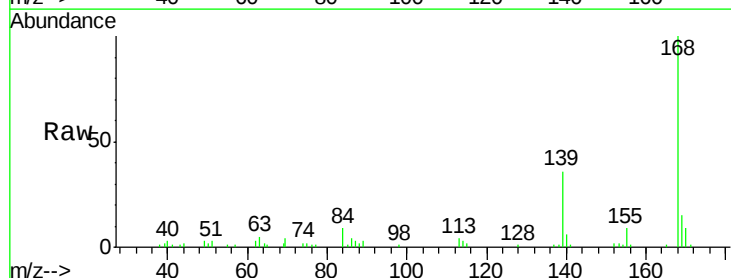
Tgt Ion:168 Resp: 32815

Ion Ratio Lower Upper

168 100

139 36.1 31.0 46.4

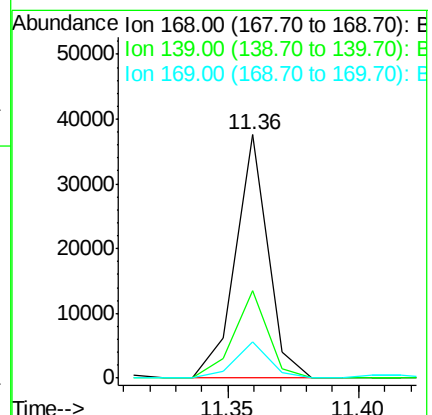
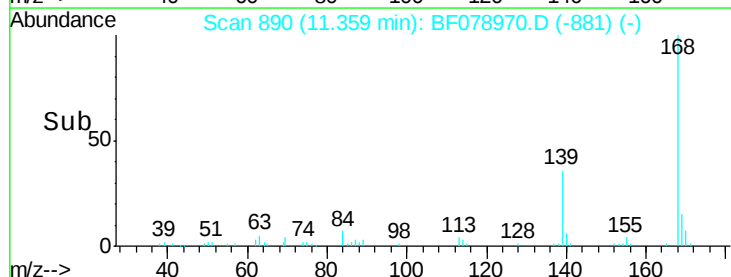
169 14.7 10.6 16.0

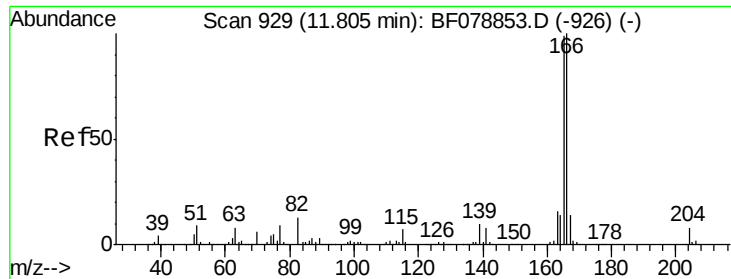


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

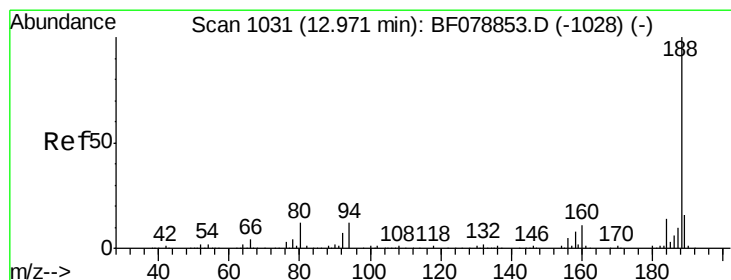
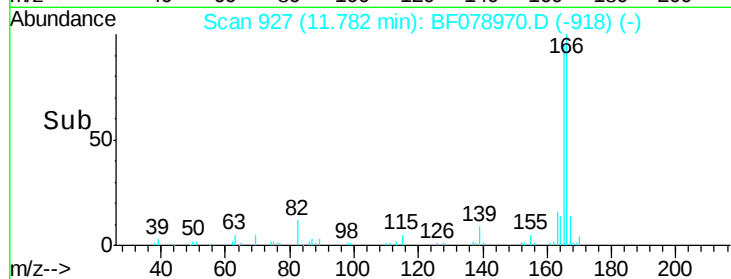
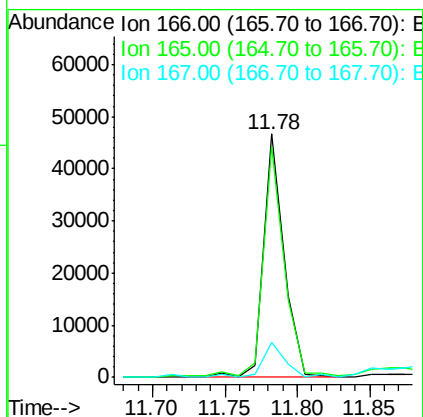
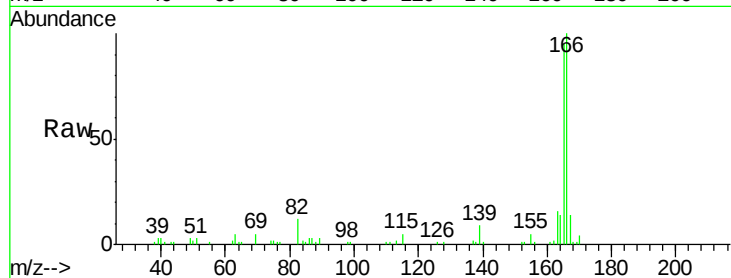




#57
Fluorene
 Concen: 4.39 ng
 RT: 11.78 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

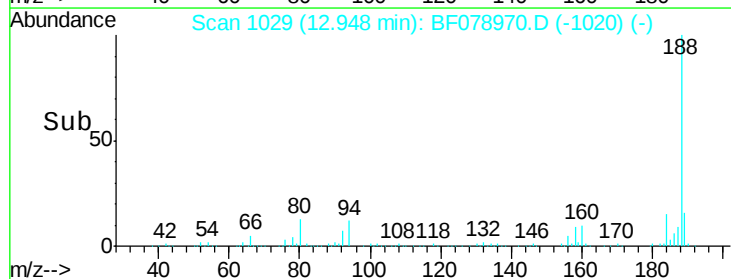
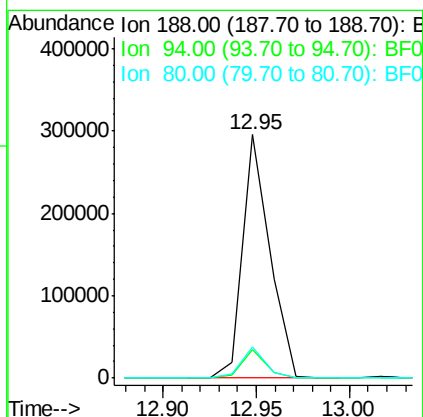
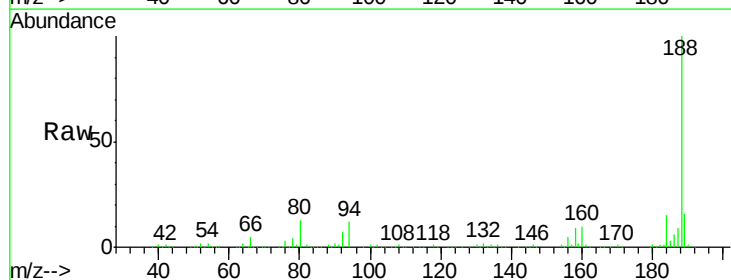
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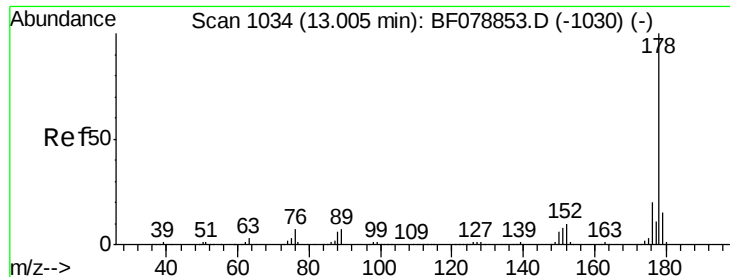
Tgt Ion:166 Resp: 45643
 Ion Ratio Lower Upper
 166 100
 165 95.0 78.5 117.7
 167 14.5 11.0 16.6



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.95 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Tgt Ion:188 Resp: 299833
 Ion Ratio Lower Upper
 188 100
 94 11.8 8.2 12.2
 80 12.8 8.9 13.3

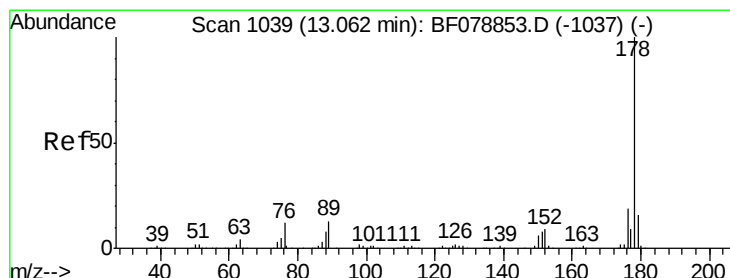
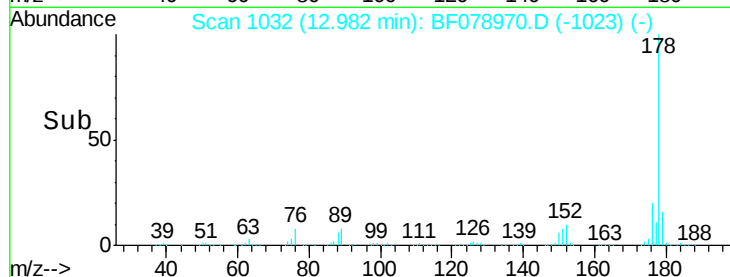
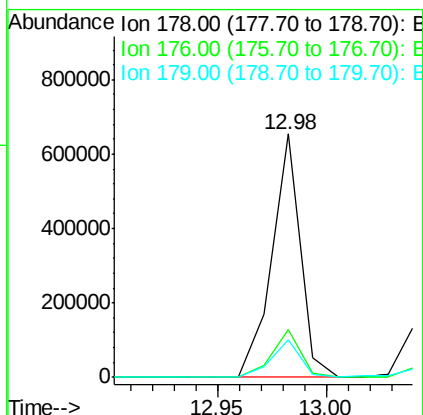
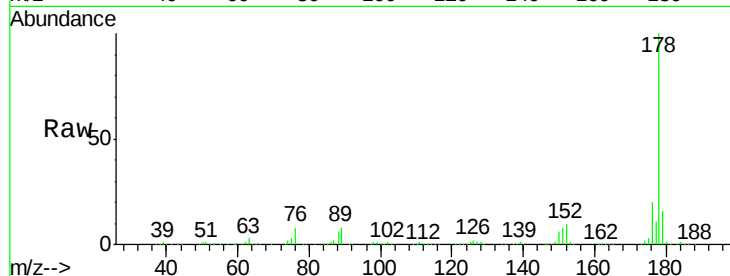




#70
Phenanthrene
Concen: 35.98 ng
RT: 12.98 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

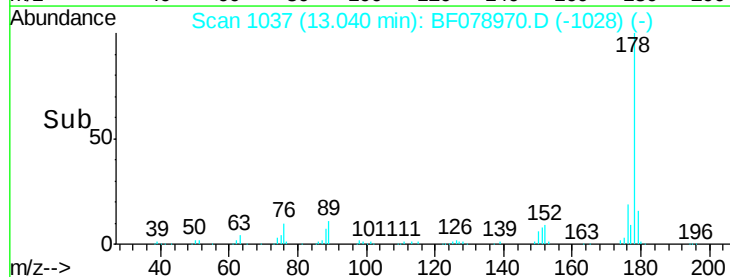
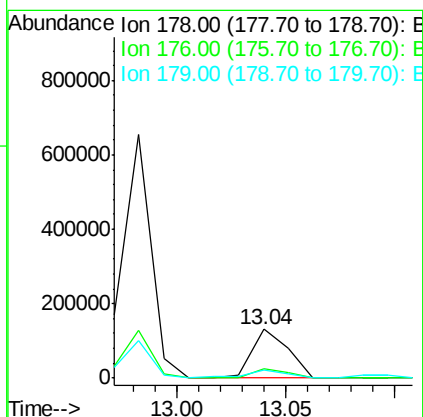
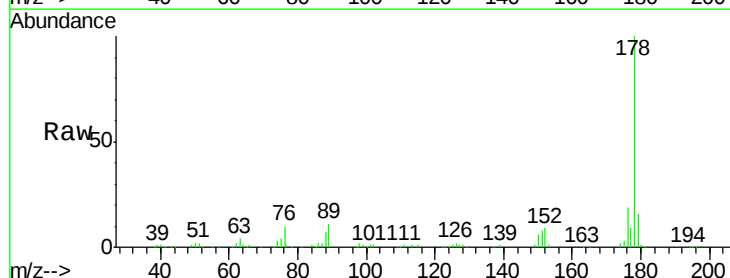
Instrument :
BNA_F
ClientSampleId :
GRID-1(0-6)

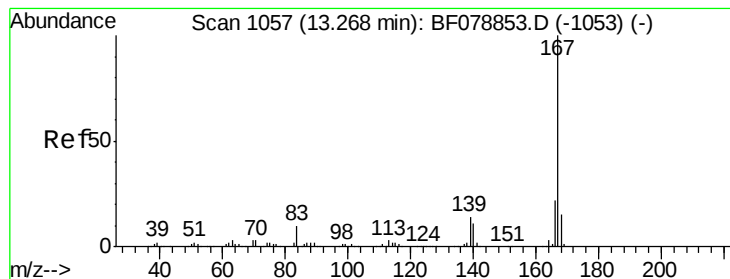
Tgt Ion:178 Resp: 603465
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.6 12.5 18.7



#71
Anthracene
Concen: 9.06 ng
RT: 13.04 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

Tgt Ion:178 Resp: 149039
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.6 12.7 19.1





#72

Carbazole

Concen: 2.64 ng

RT: 13.25 min Scan# 1055

Delta R.T. 0.00 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Instrument :

BNA_F

ClientSampleId :

GRID-1(0-6)

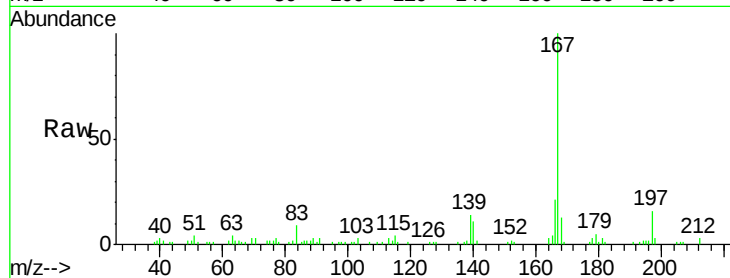
Tgt Ion:167 Resp: 41445

Ion Ratio Lower Upper

167 100

166 20.9 17.8 26.8

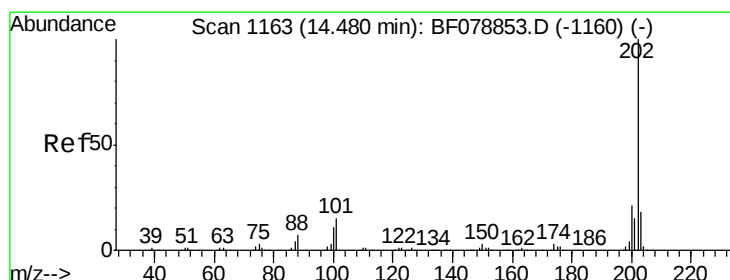
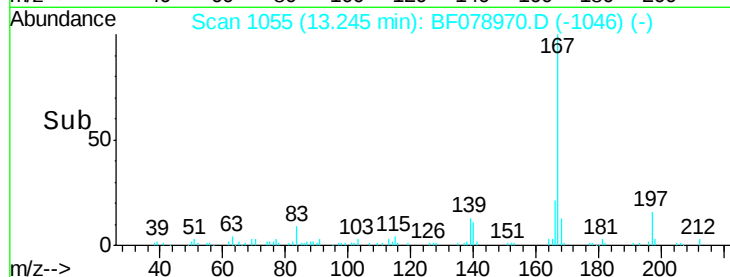
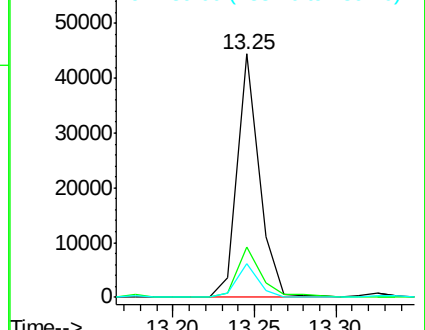
139 14.0 10.6 16.0



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: 39.17 ng

RT: 14.47 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

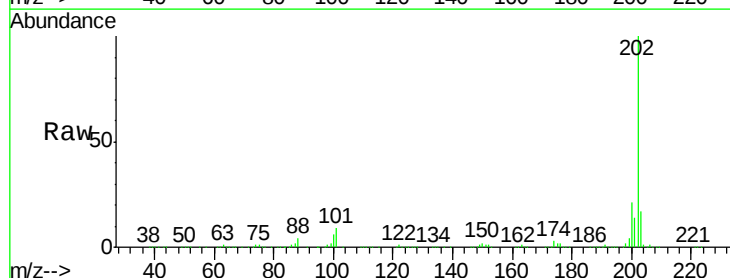
Tgt Ion:202 Resp: 684637

Ion Ratio Lower Upper

202 100

101 8.6 0.0 34.6

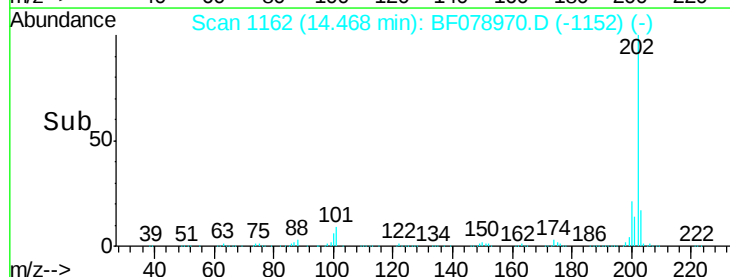
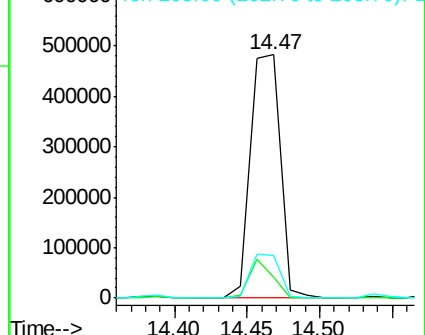
203 17.3 0.0 38.4

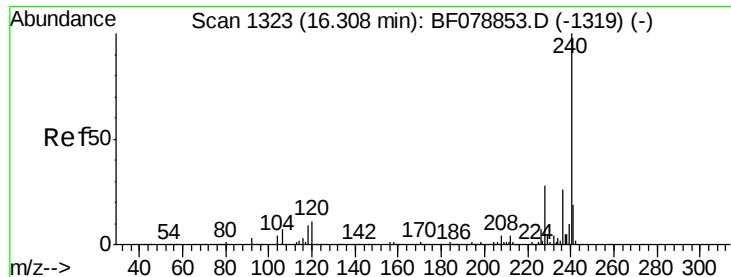


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.26 min Scan# 1319

Delta R.T. -0.05 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Instrument :

BNA_F

ClientSampleId :

GRID-1(0-6)

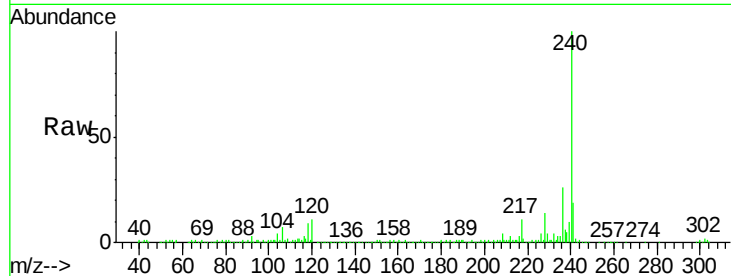
Tgt Ion:240 Resp: 336143

Ion Ratio Lower Upper

240 100

120 11.0 9.7 14.5

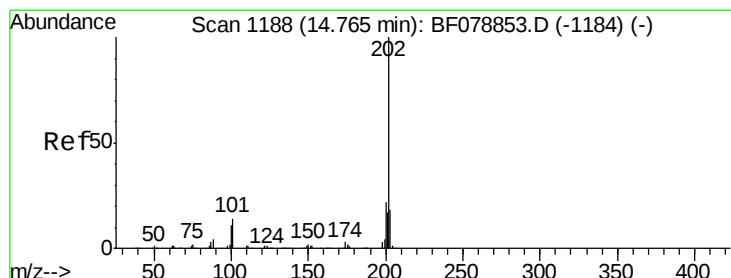
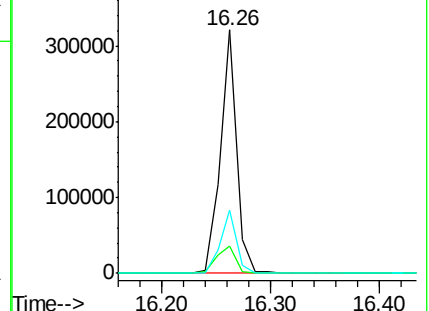
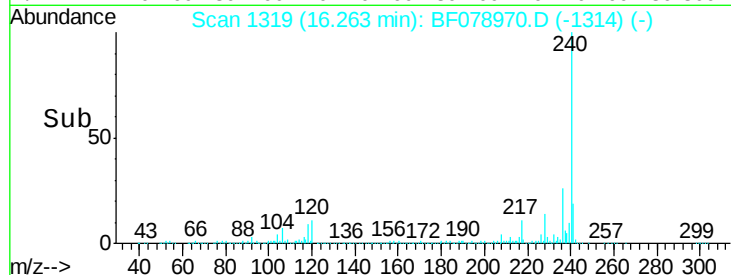
236 26.0 20.2 30.4



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: 33.77 ng

RT: 14.74 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

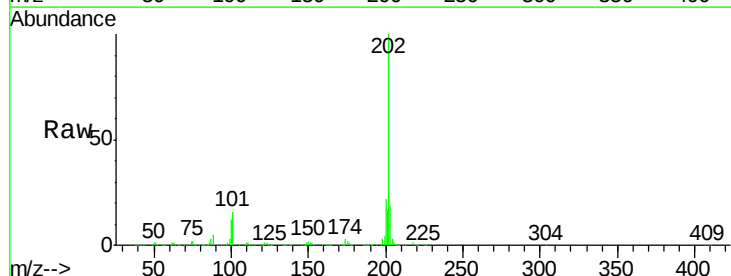
Tgt Ion:202 Resp: 654201

Ion Ratio Lower Upper

202 100

200 21.6 17.5 26.3

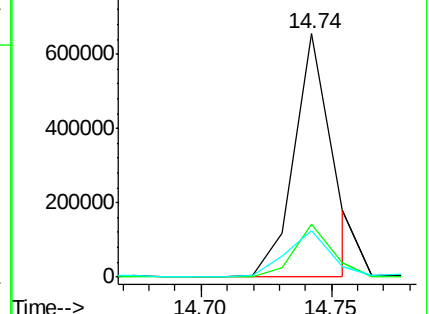
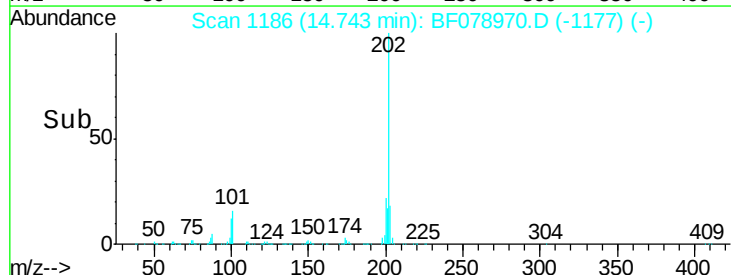
203 19.1 13.9 20.9

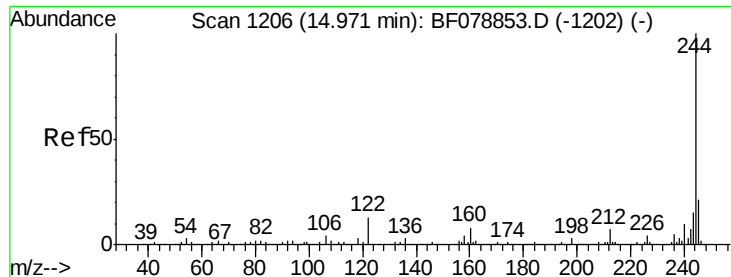


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

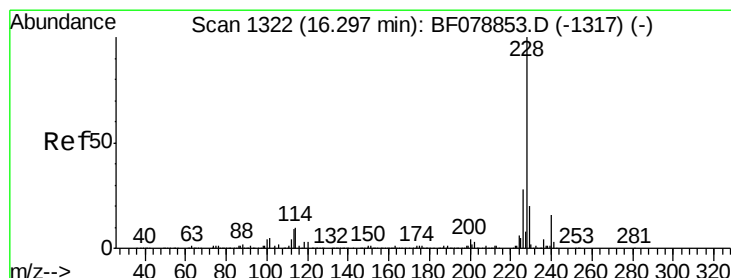
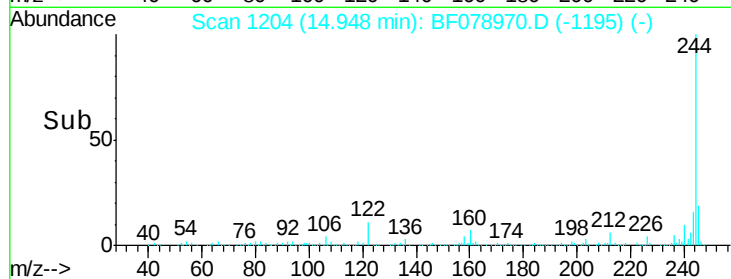
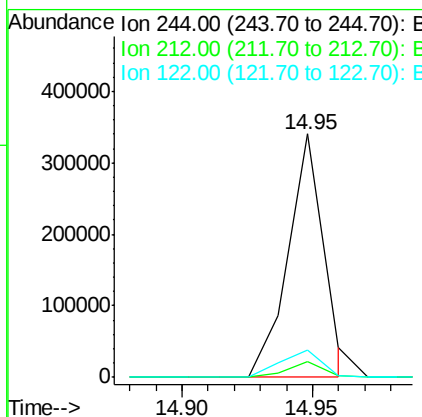
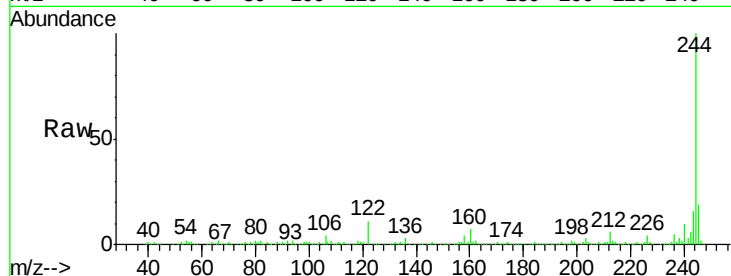




#78
 Terphenyl-d14
 Concen: 22.88 ng
 RT: 14.95 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

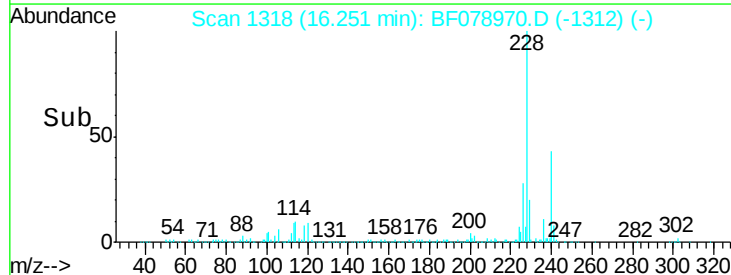
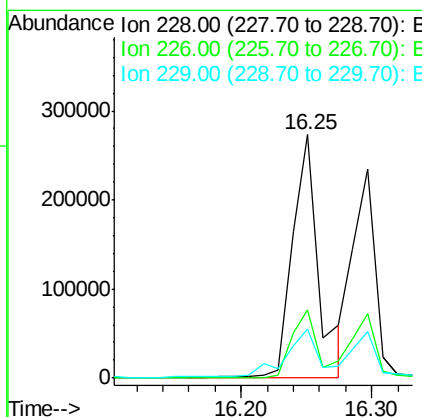
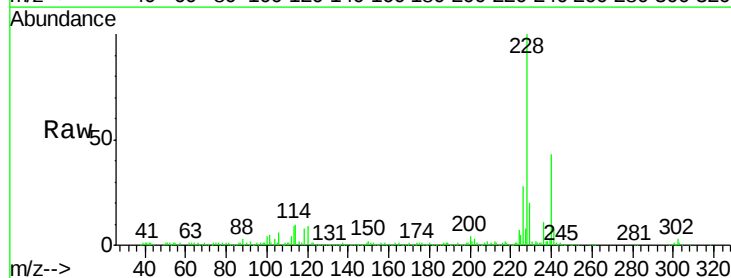
Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(0-6)

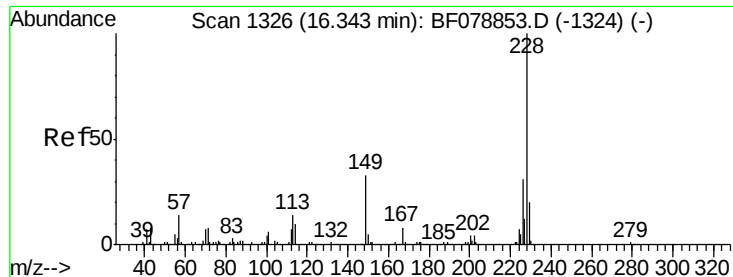
Tgt Ion:244 Resp: 321275
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.6 8.4
 122 11.4 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 20.67 ng
 RT: 16.25 min Scan# 1318
 Delta R.T. -0.03 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Tgt Ion:228 Resp: 380488
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.6 33.8
 229 20.3 15.9 23.9

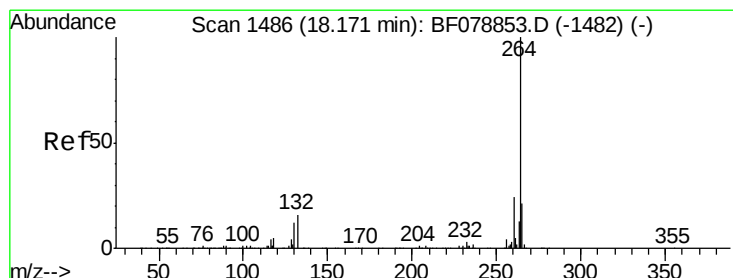
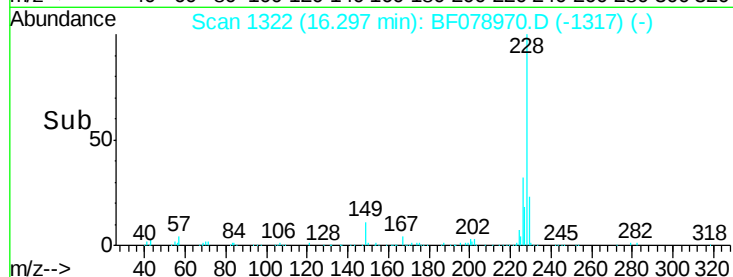
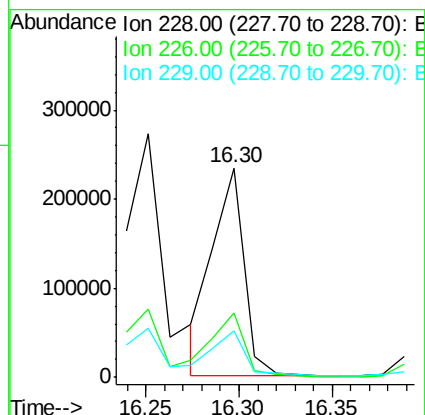
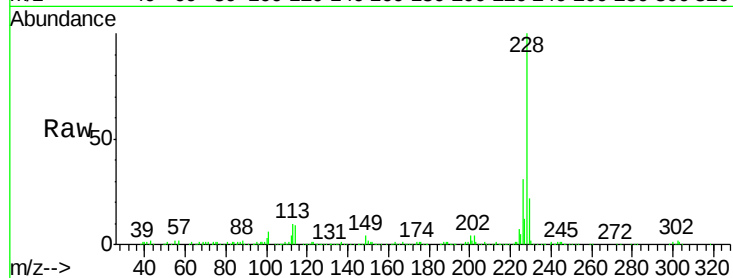




#82
Chrysene
 Concen: 15.61 ng
 RT: 16.30 min Scan# 1322
 Delta R.T. -0.05 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

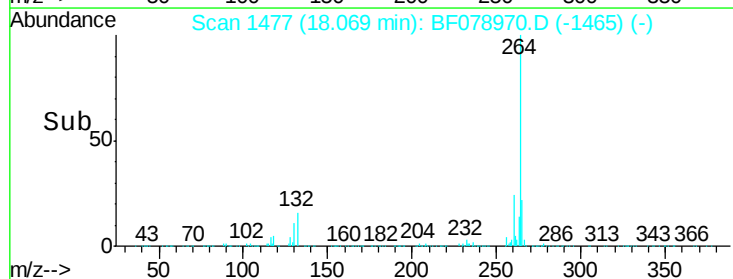
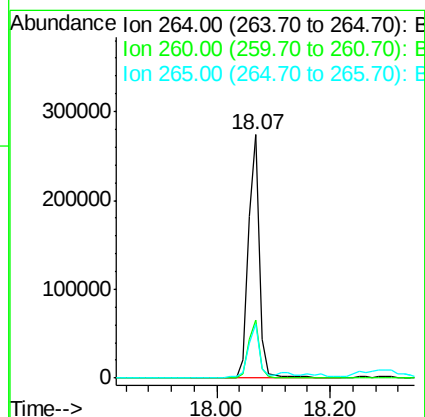
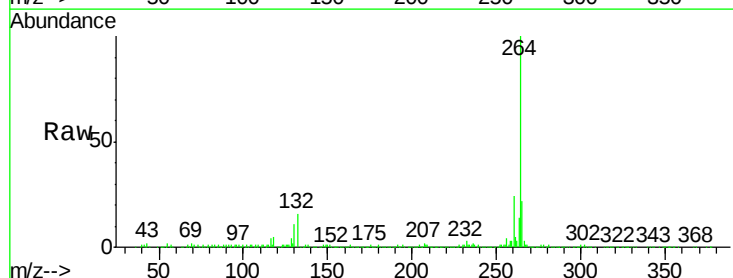
Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(0-6)

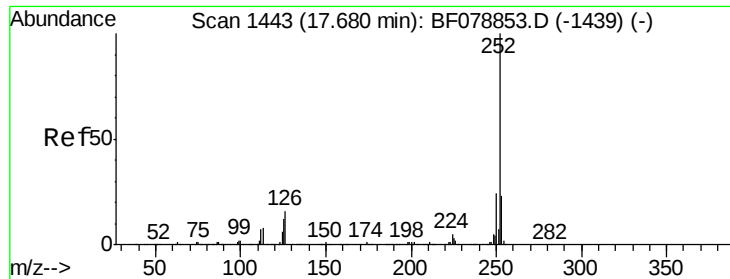
Tgt Ion:	228	Resp:	276336
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	22.0	16.0	24.0



#86
Perylene-d12
 Concen: 20.00 ng
 RT: 18.07 min Scan# 1477
 Delta R.T. -0.16 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Tgt Ion:	264	Resp:	374991
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	22.4	18.3	27.5

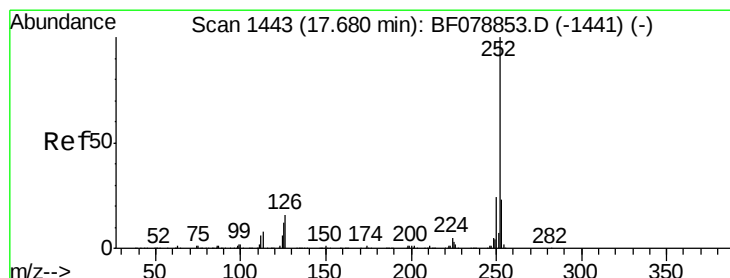
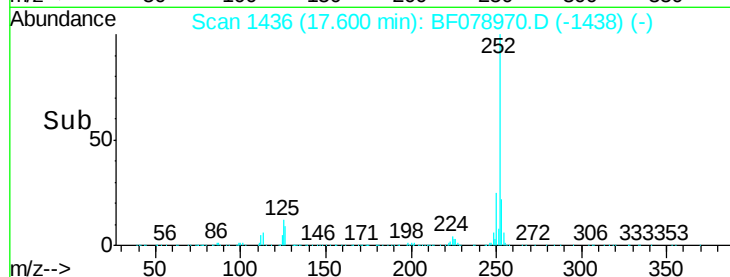
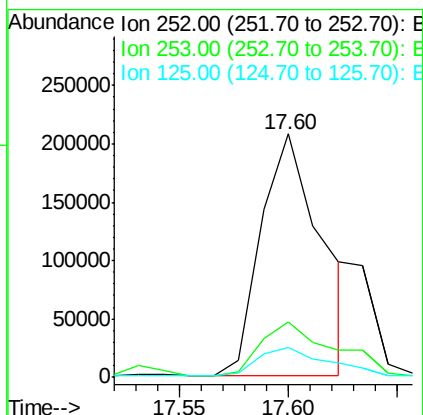
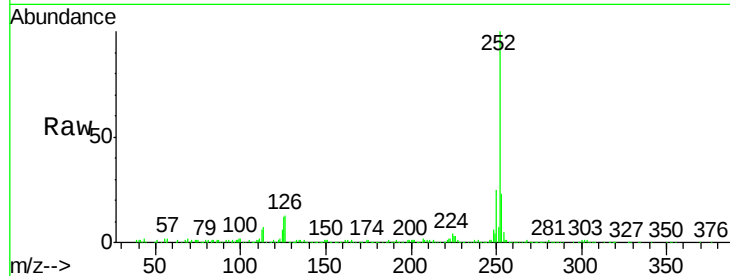




#87
Benzo(b)fluoranthene
Concen: 19.72 ng
RT: 17.60 min Scan# 1436
Delta R.T. -0.13 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

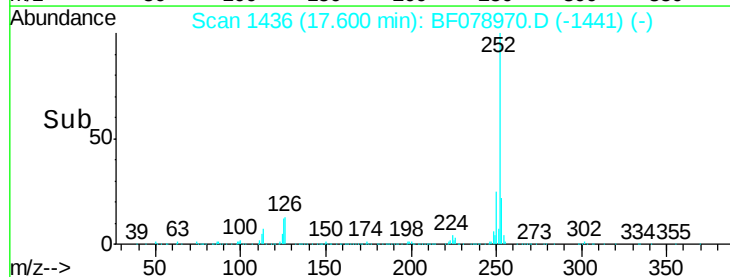
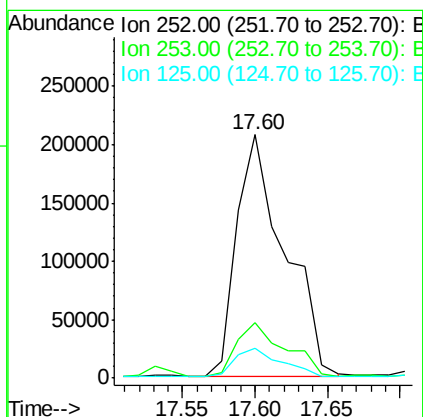
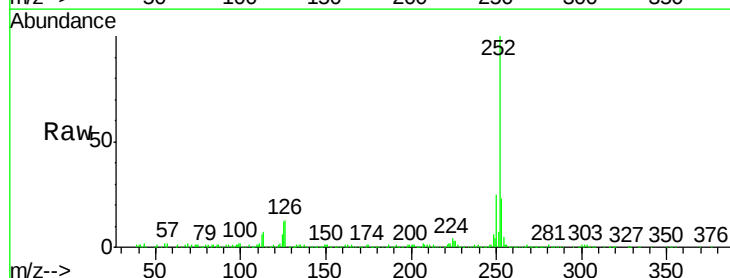
Instrument :
BNA_F
ClientSampleId :
GRID-1(0-6)

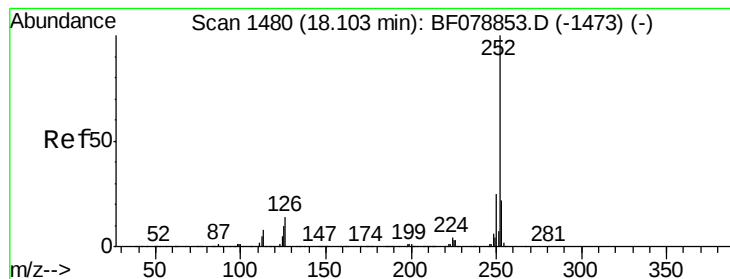
Tgt Ion:252 Resp: 404678
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.1 9.5 14.3



#88
Benzo(k)fluoranthene
Concen: 24.07 ng
RT: 17.60 min Scan# 1436
Delta R.T. -0.16 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

Tgt Ion:252 Resp: 478207
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 12.1 10.0 15.0





#89

Benzo(a)pyrene

Concen: 14.16 ng

RT: 18.00 min Scan# 1471

Delta R.T. -0.15 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Instrument :

BNA_F

ClientSampled :

GRID-1(0-6)

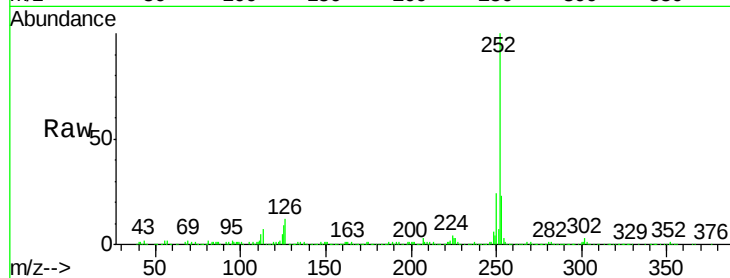
Tgt Ion:252 Resp: 267560

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

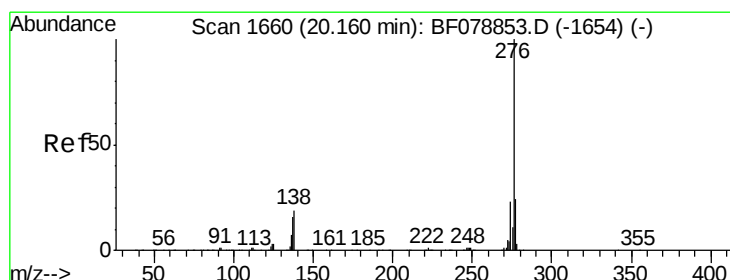
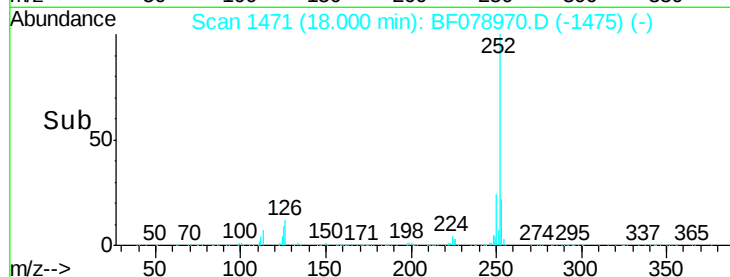
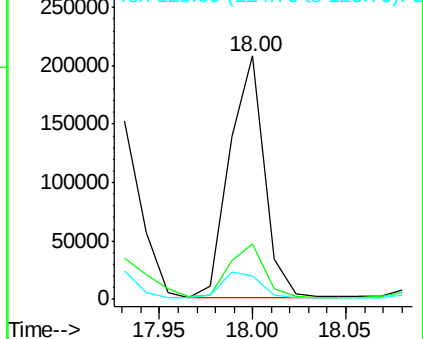
125 9.4 7.0 10.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 7.76 ng

RT: 20.02 min Scan# 1648

Delta R.T. -0.18 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

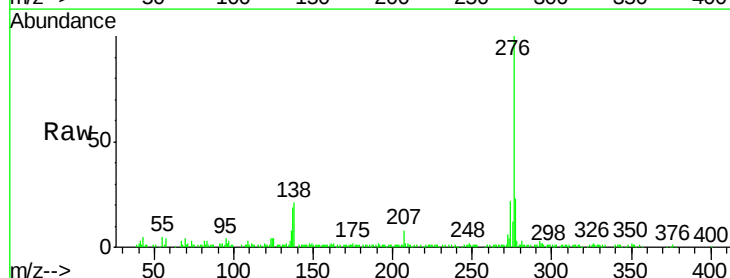
Tgt Ion:276 Resp: 156223

Ion Ratio Lower Upper

276 100

277 22.6 18.6 28.0

138 21.2 17.4 26.0



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

