

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078968.D
 Acq On : 6 May 2015 18:56
 Operator : TP/IZ
 Sample : G2114-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(0-6)

Quant Time: May 07 01:10:57 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

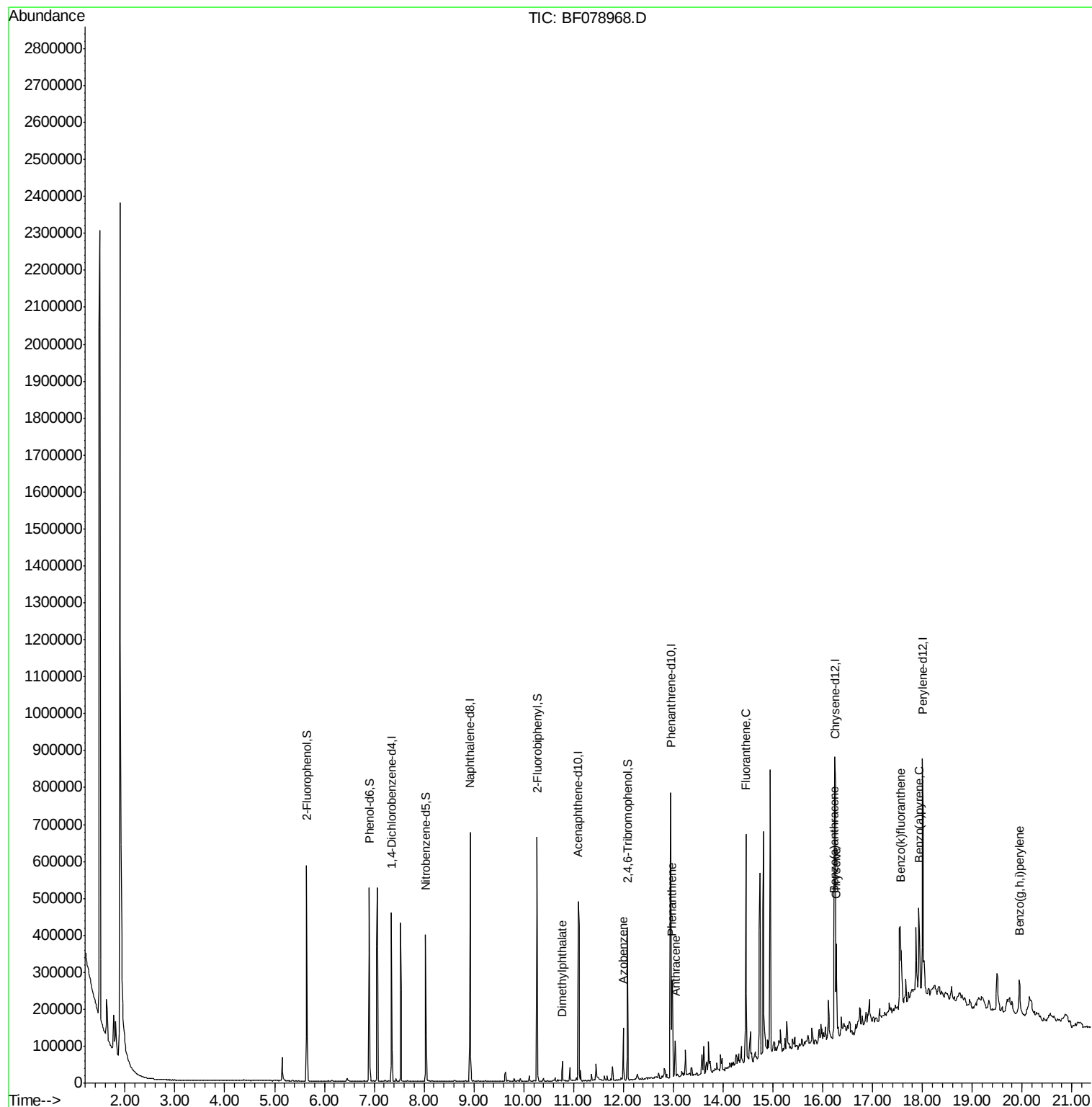
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	65184	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	288747	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	136961	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	276442	20.00	ng	0.00
75) Chrysene-d12	16.25	240	310327	20.00	ng	-0.06
86) Perylene-d12	18.00	264	339131	20.00	ng	-0.23
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	164723	43.50	ng	0.01
7) Phenol-d6	6.90	99	231657	46.28	ng	0.01
23) Nitrobenzene-d5	8.03	82	127702	25.42	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	48577	32.79	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	266515	27.11	ng	0.00
78) Terphenyl-d14	0.00	244	0	0.00	ng	
Target Compounds						
49) Dimethylphthalate	10.78	163	25467	2.53	ng	99
62) Azobenzene	12.00	77	28198	2.87	ng	# 1
70) Phenanthrene	12.98	178	155384	10.05	ng	99
71) Anthracene	13.04	178	40489	2.67	ng	98
74) Fluoranthene	14.46	202	262469	16.29	ng	99
80) Benzo(a)anthracene	16.23	228	130448	7.68	ng	94
82) Chrysene	16.27	228	114298	6.99	ng	97
88) Benzo(k)fluoranthene	17.55	252	206045	11.47	ng	99
89) Benzo(a)pyrene	17.93	252	117882	6.90	ng	# 91
91) Benzo(g,h,i)perylene	19.94	276	74945	4.12	ng	95

(#) = 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: BF078968.D

Acq: 6 May 2015 18:56

Instrument :

BNA_F

ClientSampleId :

GRID-2(0-6)

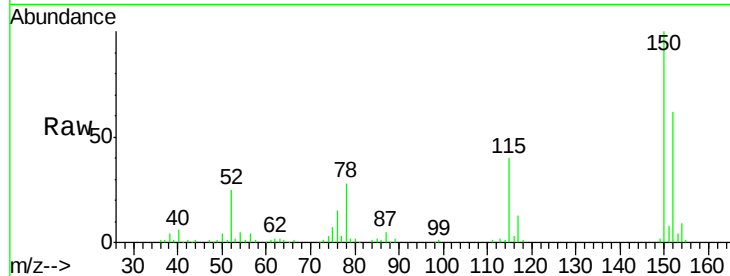
Tgt Ion:152 Resp: 65184

Ion Ratio Lower Upper

152 100

150 160.4 122.0 183.0

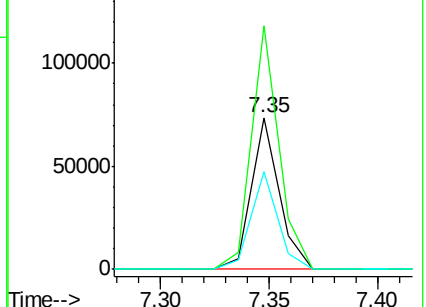
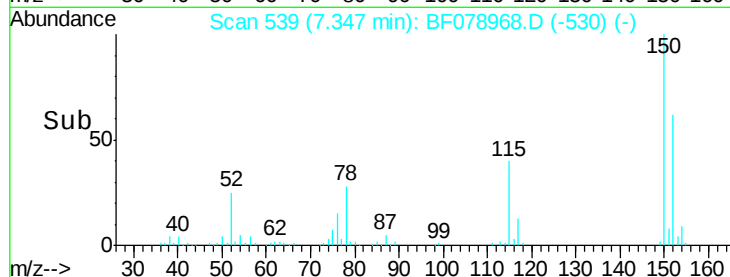
115 64.5 46.3 69.5



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: 43.50 ng

RT: 5.64 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF078968.D

Acq: 6 May 2015 18:56

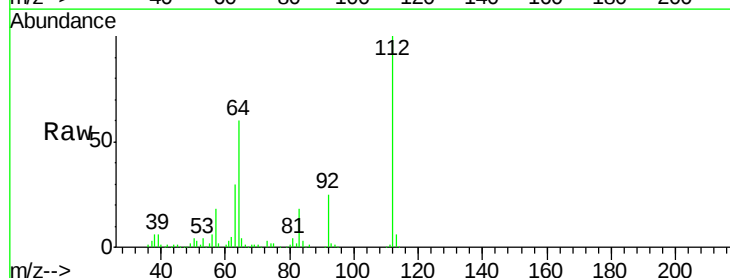
Tgt Ion:112 Resp: 164723

Ion Ratio Lower Upper

112 100

64 59.6 53.5 80.3

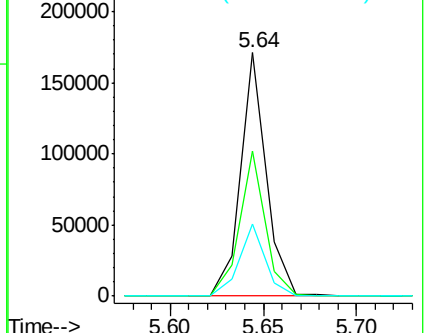
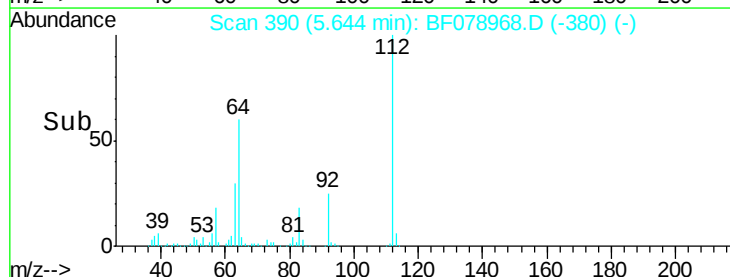
63 29.6 27.5 41.3



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: 46.28 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF078968.D

Acq: 6 May 2015 18:56

Instrument :

BNA_F

ClientSampleId :

GRID-2(0-6)

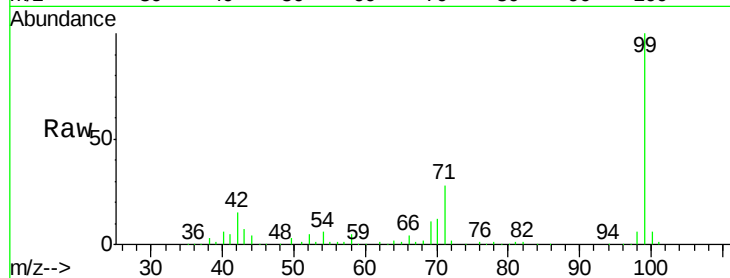
Tgt Ion: 99 Resp: 231657

Ion Ratio Lower Upper

99 100

42 14.5 12.8 19.2

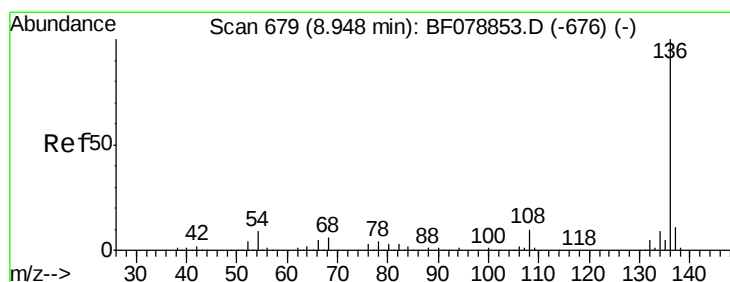
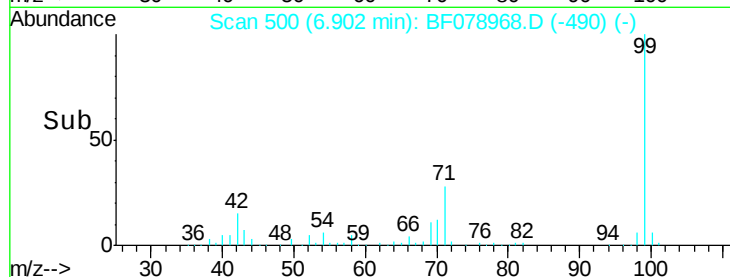
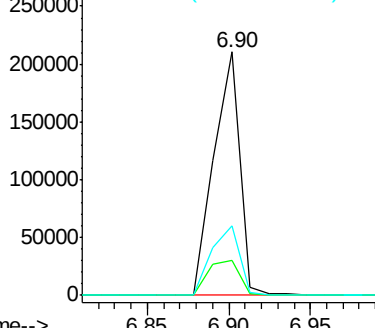
71 28.4 23.4 35.2



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: 8.92 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF078968.D

Acq: 6 May 2015 18:56

Tgt Ion: 136 Resp: 288747

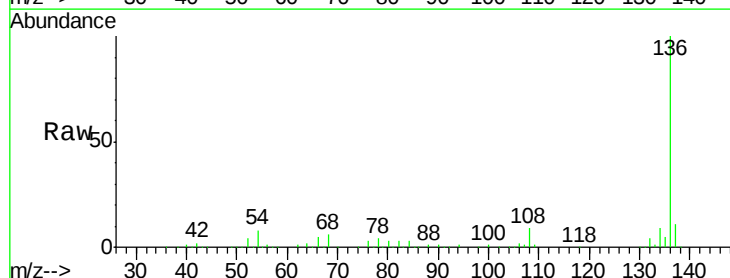
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.8 5.8 8.8

68 5.7 4.2 6.4

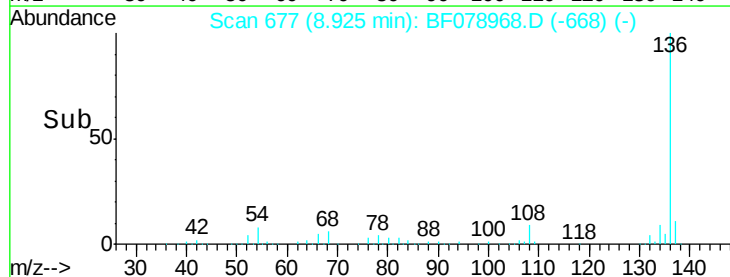
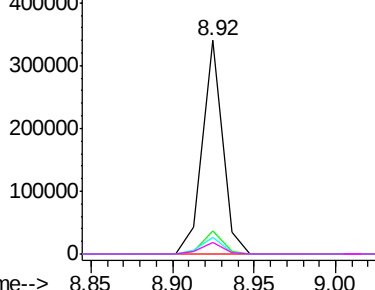


Abundance Ion 136.00 (135.70 to 136.70): E

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

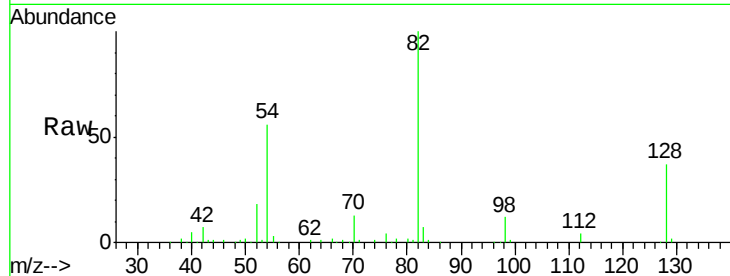




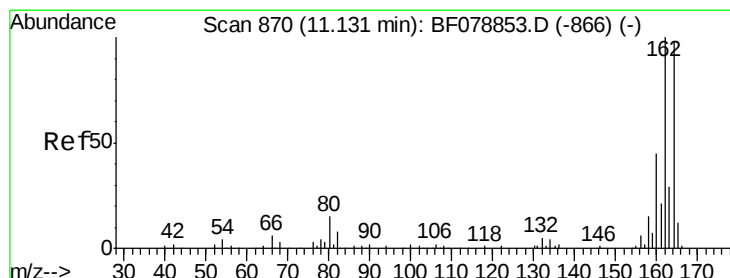
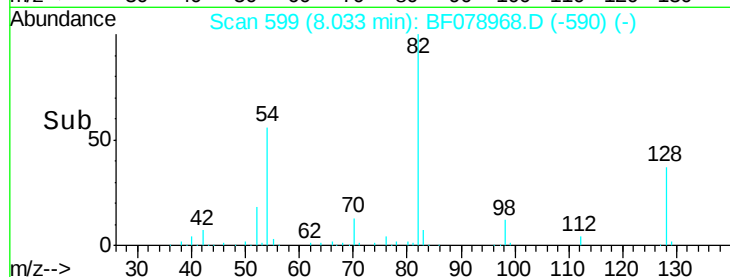
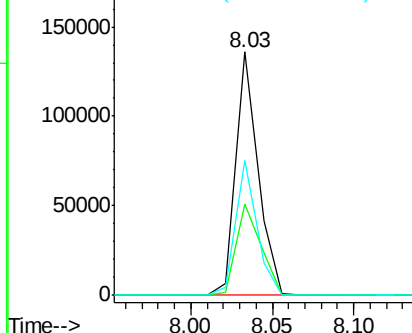
#23
 Nitrobenzene-d5
 Concen: 25.42 ng
 RT: 8.03 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: BF078968.D
 Acq: 6 May 2015 18:56

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(0-6)

Tgt Ion: 82 Resp: 127702
 Ion Ratio Lower Upper
 82 100
 128 37.5 30.0 45.0
 54 55.6 46.4 69.6

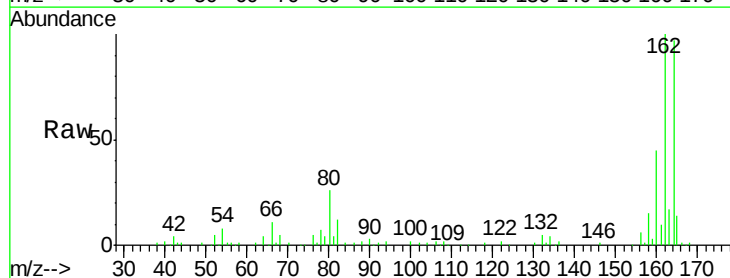


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): B

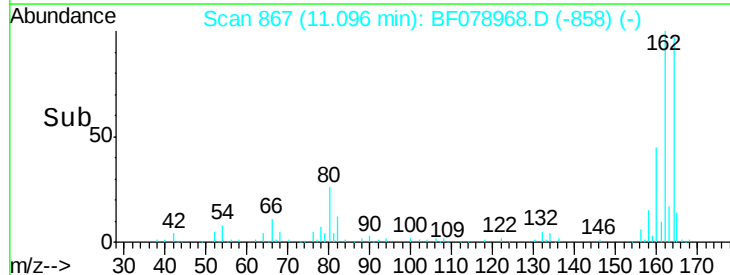
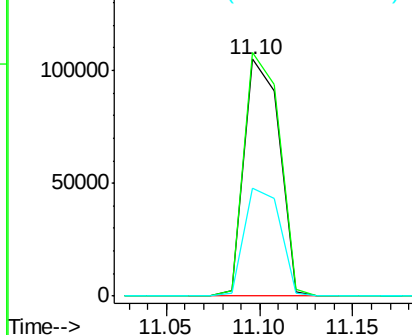


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: BF078968.D
 Acq: 6 May 2015 18:56

Tgt Ion: 164 Resp: 136961
 Ion Ratio Lower Upper
 164 100
 162 102.7 82.7 124.1
 160 45.8 35.8 53.8



Abundance Ion 164.00 (163.70 to 164.70): B
 Ion 162.00 (161.70 to 162.70): B
 Ion 160.00 (159.70 to 160.70): B

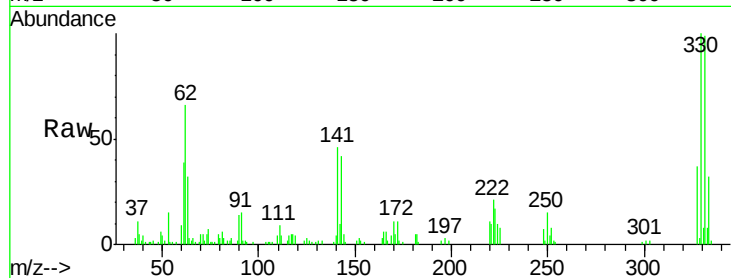




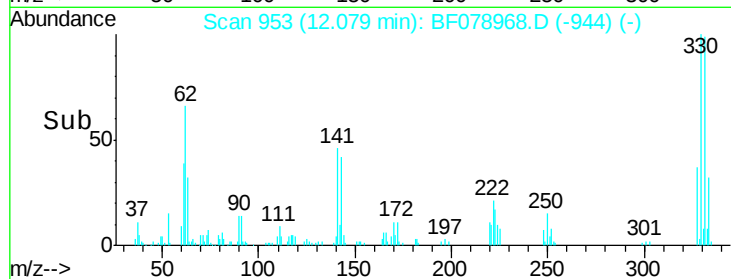
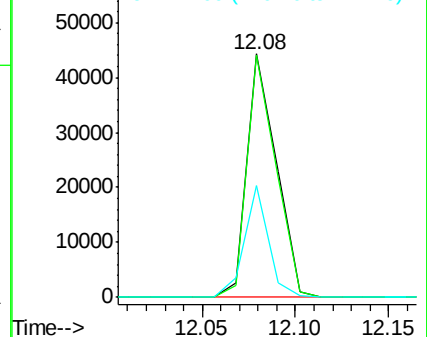
#41
 2,4,6-Tribromophenol
 Concen: 32.79 ng
 RT: 12.08 min Scan# 953
 Delta R.T. -0.00 min
 Lab File: BF078968.D
 Acq: 6 May 2015 18:56

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(0-6)

Tgt Ion:330 Resp: 48577
 Ion Ratio Lower Upper
 330 100
 332 97.2 0.0 0.0#
 141 37.8 0.0 0.0#

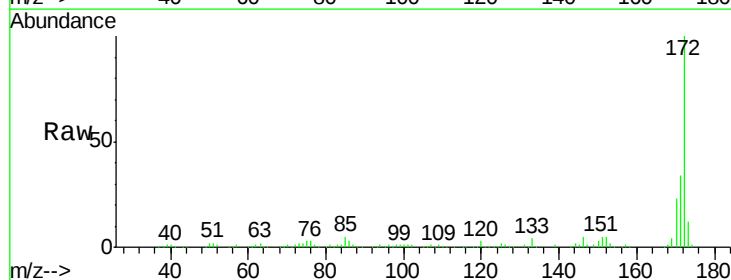


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

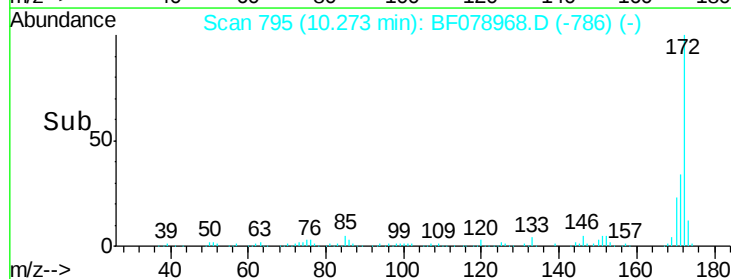
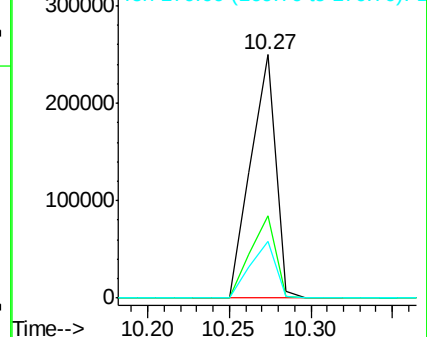


#44
 2-Fluorobiphenyl
 Concen: 27.11 ng
 RT: 10.27 min Scan# 795
 Delta R.T. -0.00 min
 Lab File: BF078968.D
 Acq: 6 May 2015 18:56

Tgt Ion:172 Resp: 266515
 Ion Ratio Lower Upper
 172 100
 171 33.8 27.9 41.9
 170 23.4 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





#49

Dimethylphthalate

Concen: 2.53 ng

RT: 10.78 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF078968.D

Acq: 6 May 2015 18:56

Instrument :

BNA_F

ClientSampleId :

GRID-2(0-6)

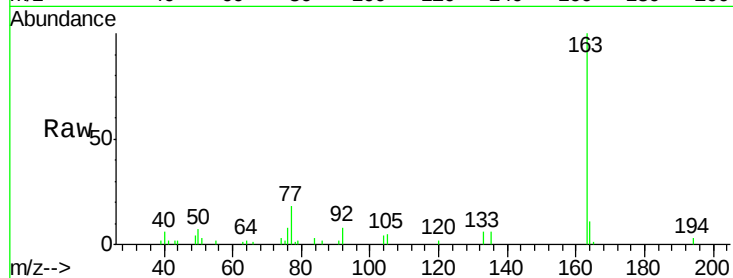
Tgt Ion:163 Resp: 25467

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

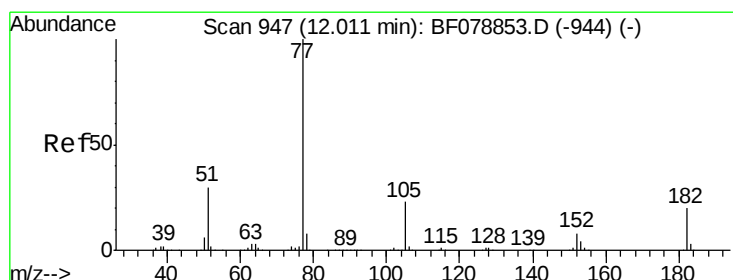
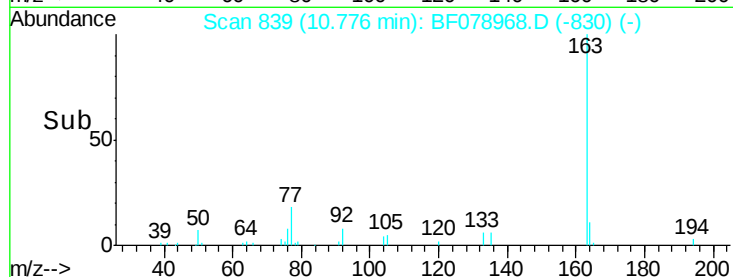
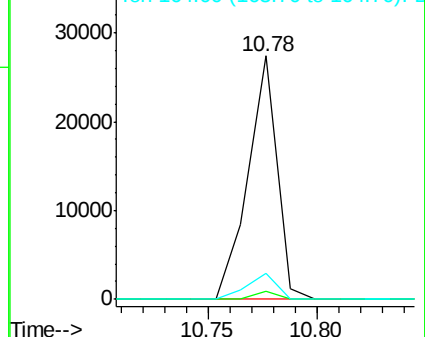
164 10.7 8.1 12.1



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



#62

Azobenzene

Concen: 2.87 ng

RT: 12.00 min Scan# 946

Delta R.T. 0.01 min

Lab File: BF078968.D

Acq: 6 May 2015 18:56

Tgt Ion: 77 Resp: 28198

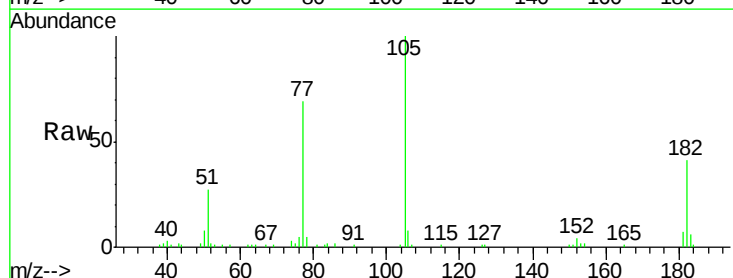
Ion Ratio Lower Upper

77 100

182 59.2 3.8 43.8#

105 145.4 3.9 43.9#

51 39.2 10.8 50.8

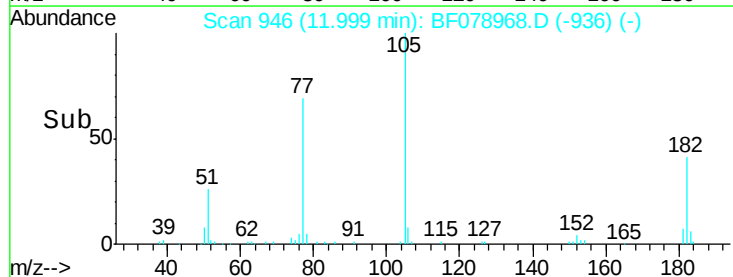
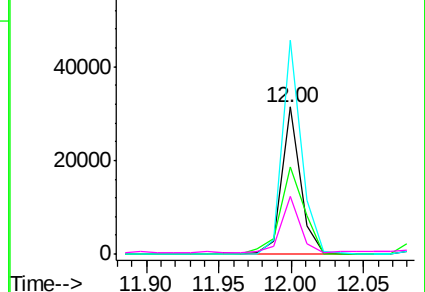


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

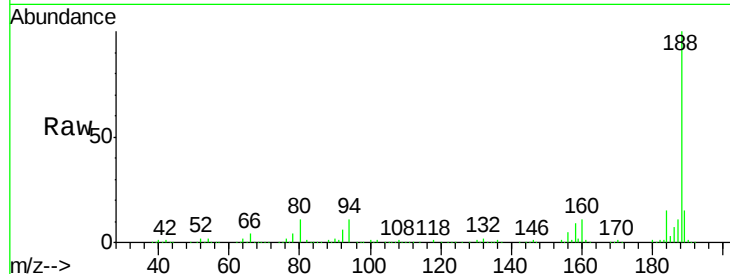




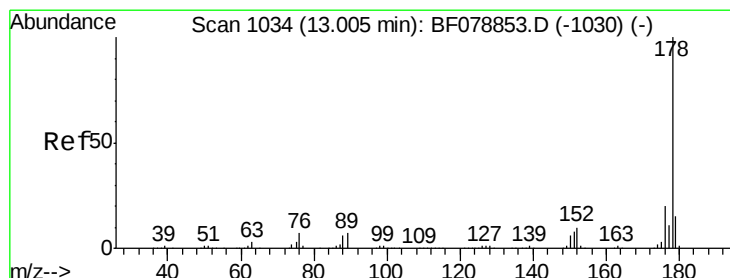
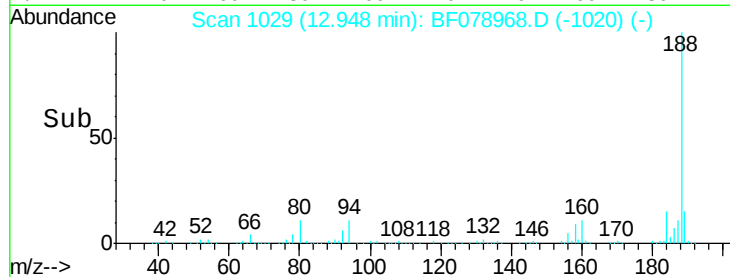
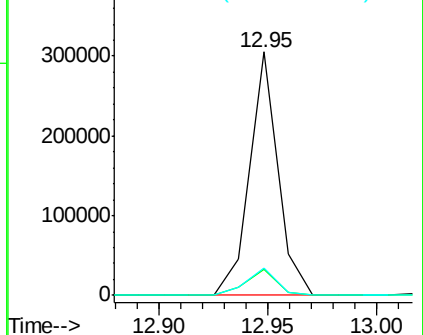
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF078968.D
Acq: 6 May 2015 18:56

Instrument :
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ClientSampleId :
GRID-2(0-6)

Tgt Ion:188 Resp: 276442
Ion Ratio Lower Upper
188 100
94 10.8 8.2 12.2
80 11.3 8.9 13.3

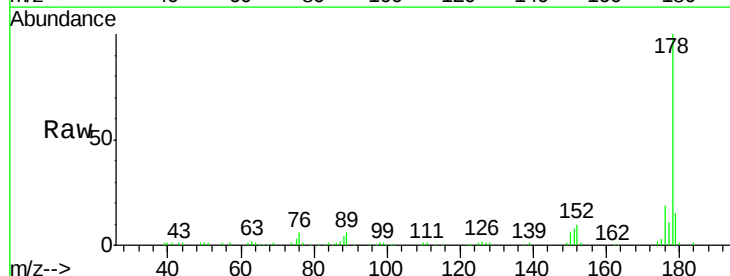


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

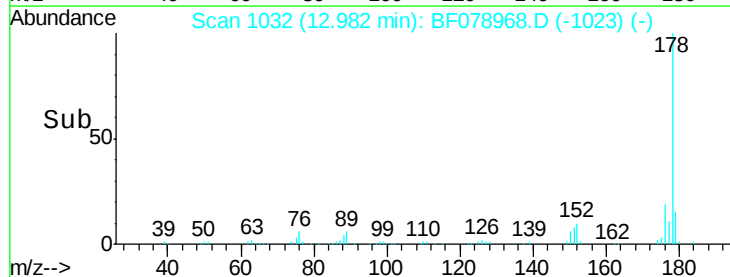
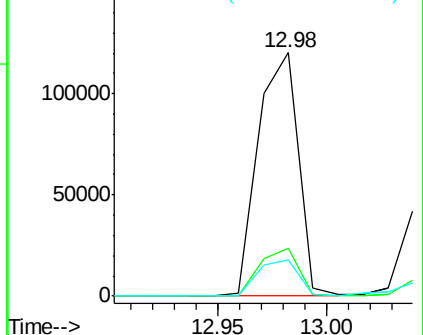


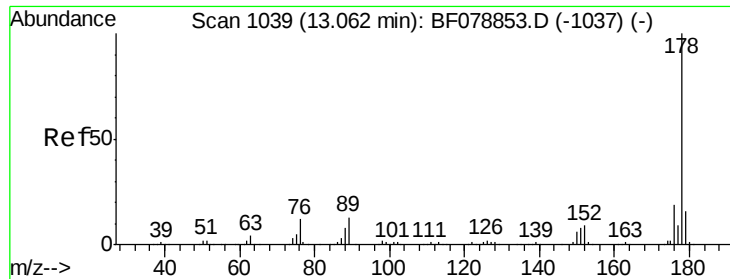
#70
Phenanthrene
Concen: 10.05 ng
RT: 12.98 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078968.D
Acq: 6 May 2015 18:56

Tgt Ion:178 Resp: 155384
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 14.7 12.5 18.7



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

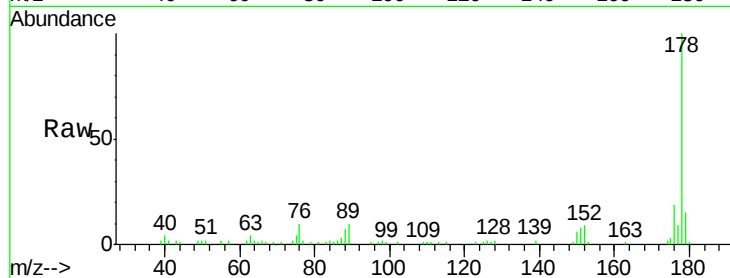




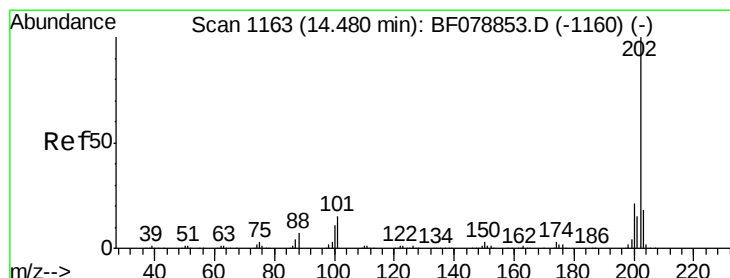
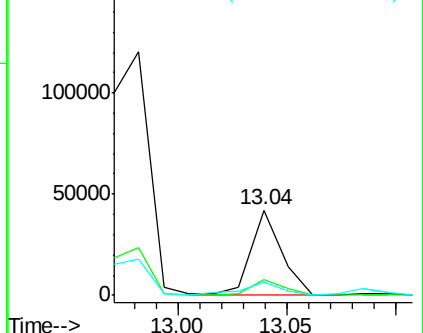
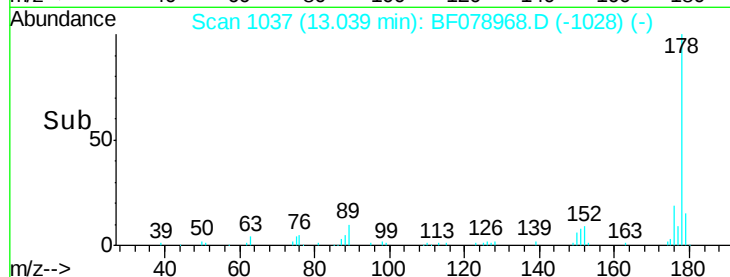
#71
 Anthracene
 Concen: 2.67 ng
 RT: 13.04 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BF078968.D
 Acq: 6 May 2015 18:56

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(0-6)

Tgt Ion:178 Resp: 40489
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.5 23.3
 179 14.8 12.7 19.1

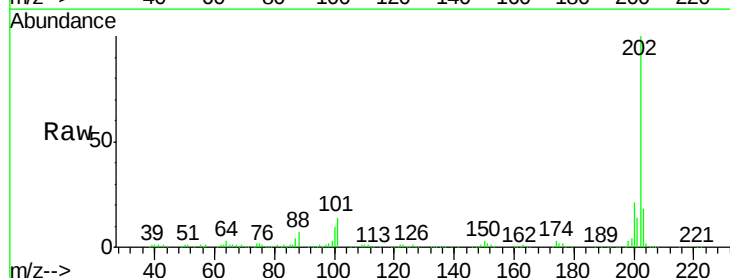


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

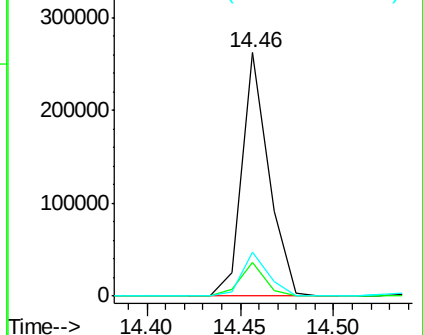
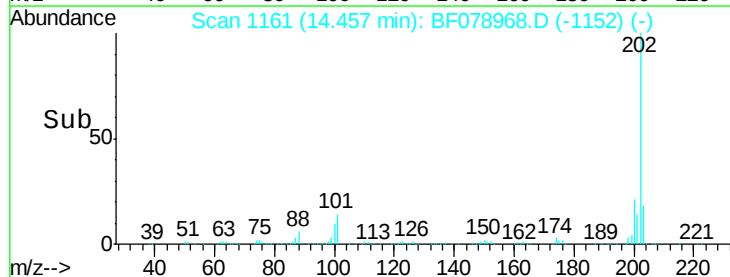


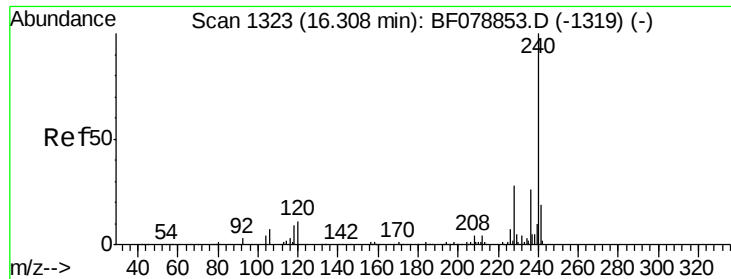
#74
 Fluoranthene
 Concen: 16.29 ng
 RT: 14.46 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: BF078968.D
 Acq: 6 May 2015 18:56

Tgt Ion:202 Resp: 262469
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 34.6
 203 18.0 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: 16.25 min Scan# 1318

Delta R.T. -0.06 min

Lab File: BF078968.D

Acq: 6 May 2015 18:56

Instrument :

BNA_F

ClientSampleId :

GRID-2(0-6)

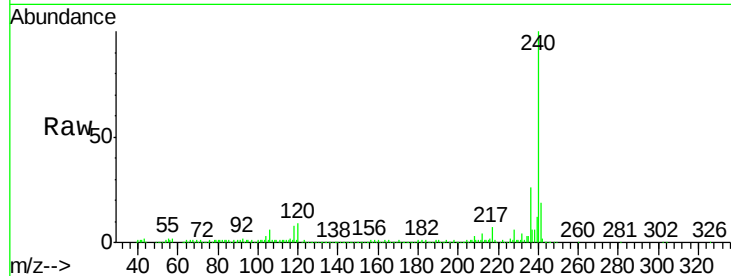
Tgt Ion: 240 Resp: 310327

Ion Ratio Lower Upper

240 100

120 8.8 9.7 14.5#

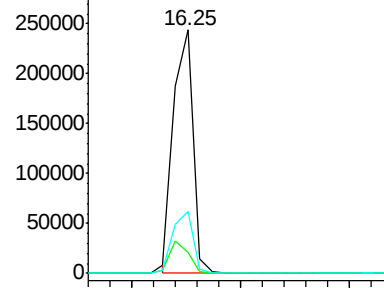
236 25.5 20.2 30.4



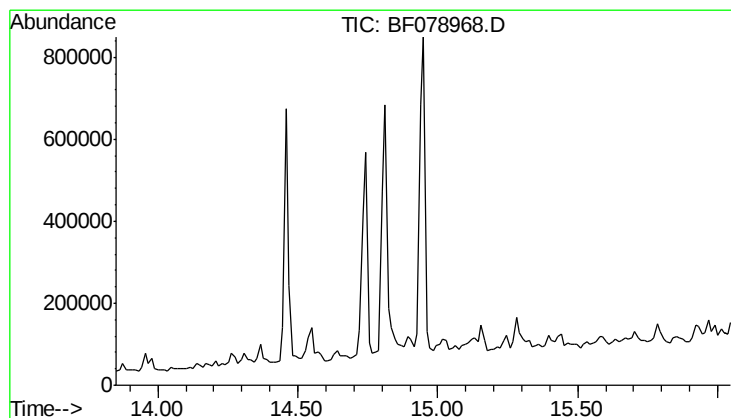
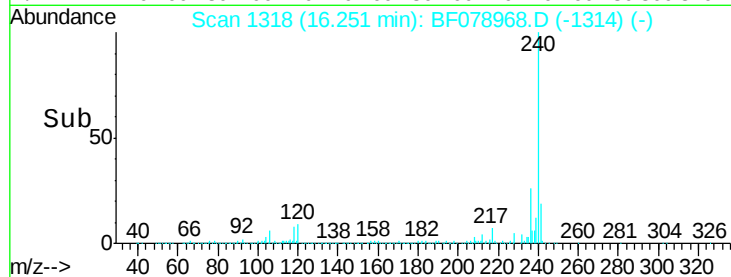
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 0.00 ng

Expected RT: 14.95 min

Lab File: BF078968.D

Acq: 6 May 2015 18:56

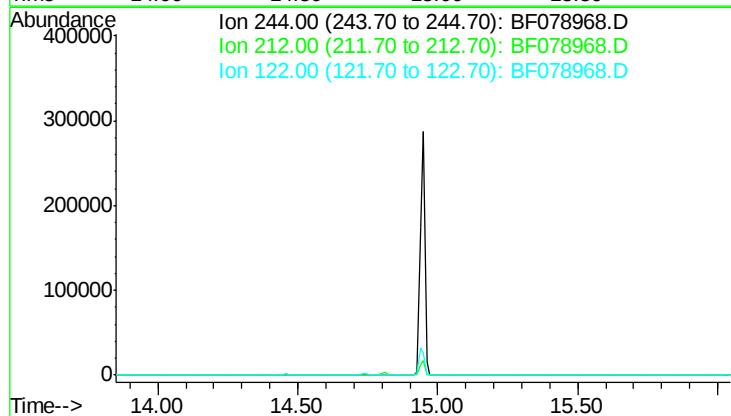
Tgt Ion: 244

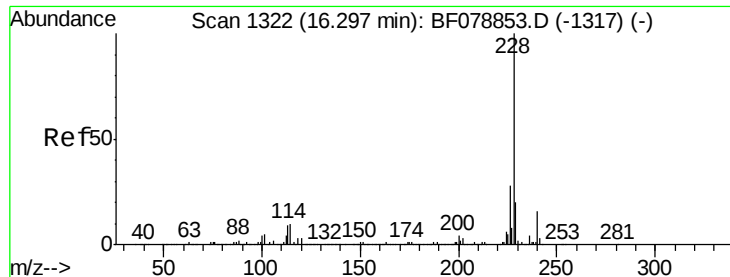
Sig Exp Ratio

244 100

212 7.0

122 12.9





#80

Benzo(a)anthracene

Concen: 7.68 ng

RT: 16.23 min Scan# 1316

Delta R.T. -0.06 min

Lab File: BF078968.D

Acq: 6 May 2015 18:56

Instrument :

BNA_F

ClientSampleId :

GRID-2(0-6)

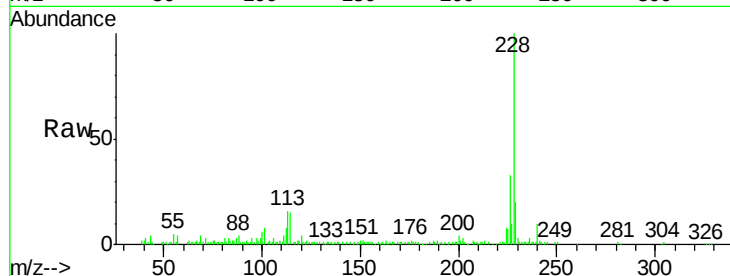
Tgt Ion:228 Resp: 130448

Ion Ratio Lower Upper

228 100

226 33.4 22.6 33.8

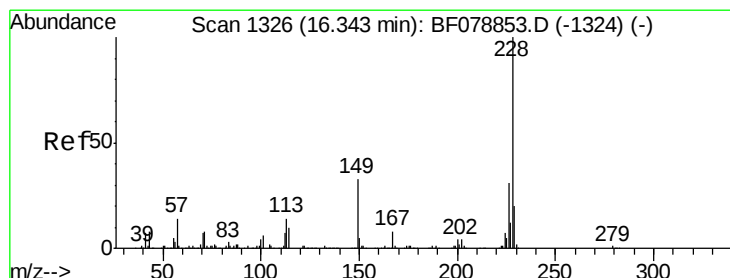
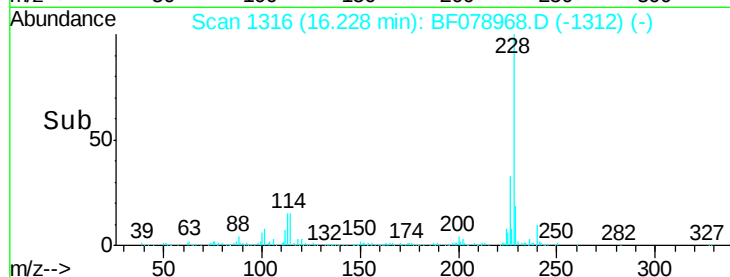
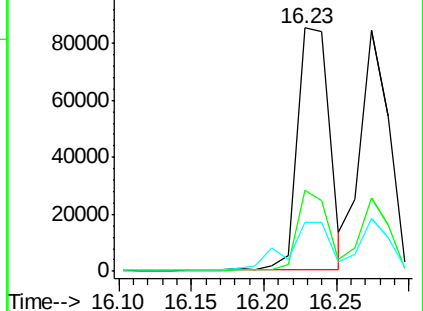
229 20.2 15.9 23.9



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: 6.99 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.07 min

Lab File: BF078968.D

Acq: 6 May 2015 18:56

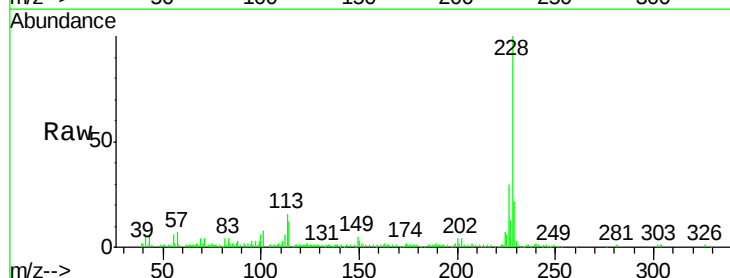
Tgt Ion:228 Resp: 114298

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

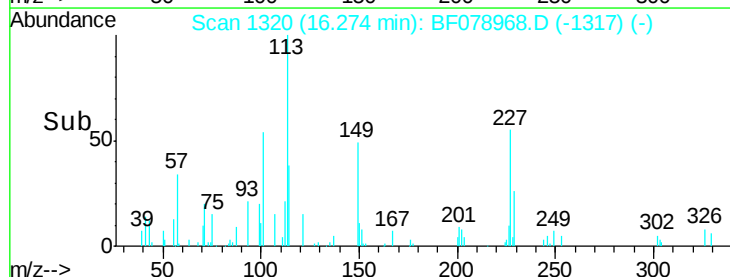
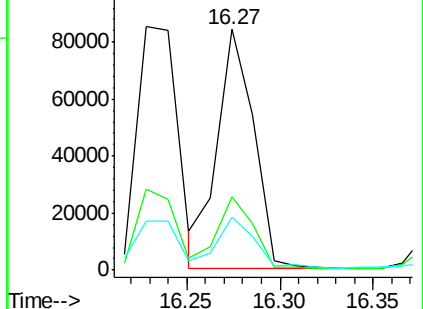
229 22.2 16.0 24.0

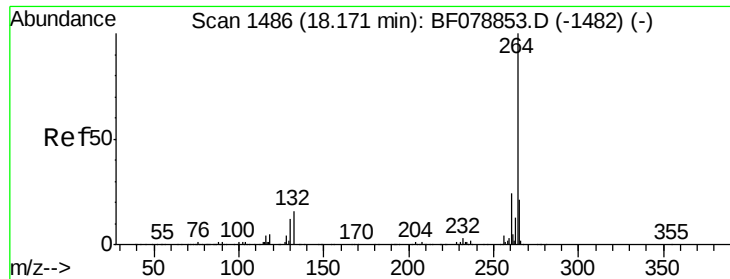


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



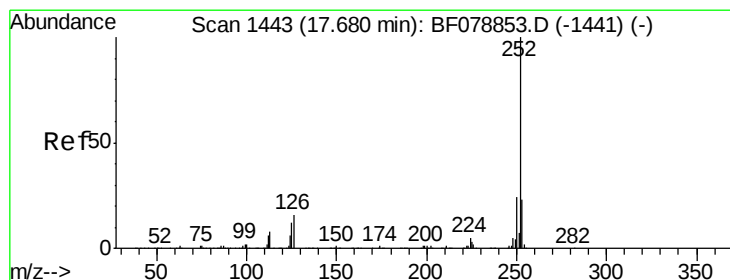
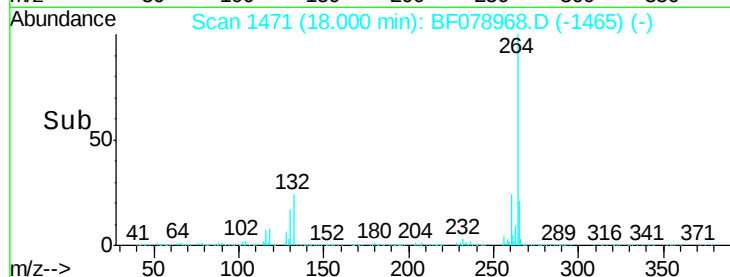
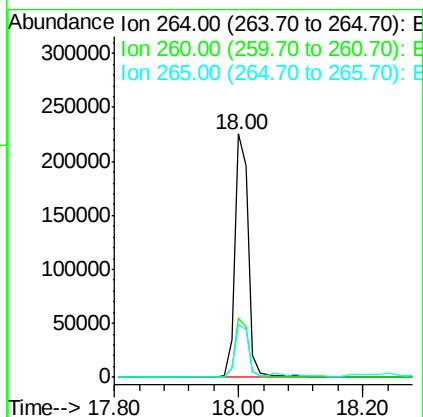
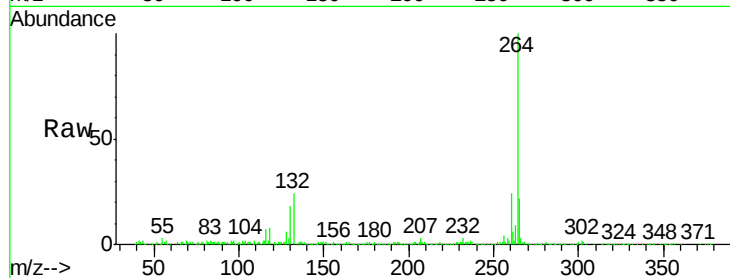


#86
Perylene-d12
Concen: 20.00 ng
RT: 18.00 min Scan# 1471
Delta R.T. -0.23 min
Lab File: BF078968.D
Acq: 6 May 2015 18:56

Instrument :
BNA_F
ClientSampleId :
GRID-2(0-6)

Tgt Ion: 264 Resp: 339131

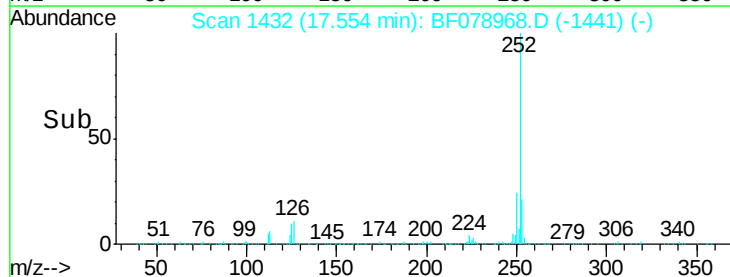
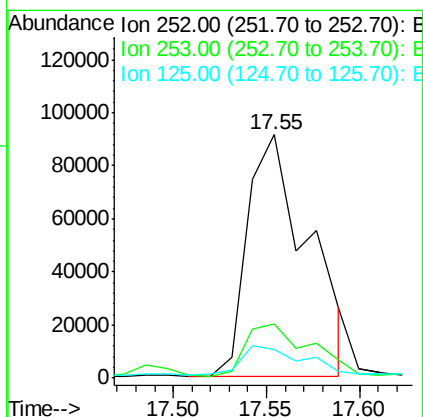
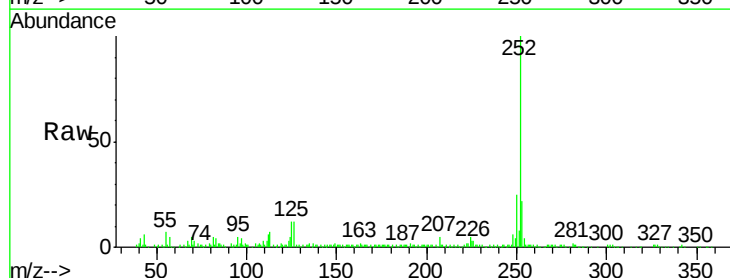
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	21.6	18.3	27.5

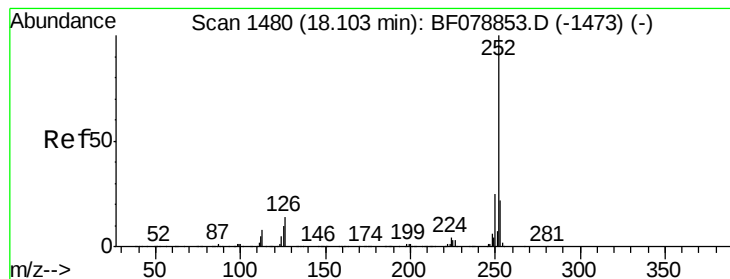


#88
Benzo(k)fluoranthene
Concen: 11.47 ng
RT: 17.55 min Scan# 1432
Delta R.T. -0.21 min
Lab File: BF078968.D
Acq: 6 May 2015 18:56

Tgt Ion: 252 Resp: 206045

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.9	10.0	15.0





#89

Benzo(a)pyrene

Concen: 6.90 ng

RT: 17.93 min Scan# 1465

Delta R.T. -0.22 min

Lab File: BF078968.D

Acq: 6 May 2015 18:56

Instrument :

BNA_F

ClientSampleId :

GRID-2(0-6)

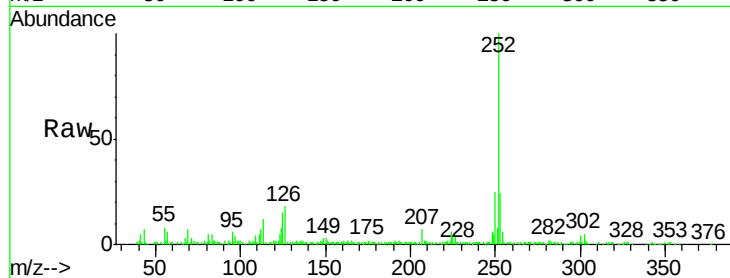
Tgt Ion:252 Resp: 117882

Ion Ratio Lower Upper

252 100

253 24.4 17.3 25.9

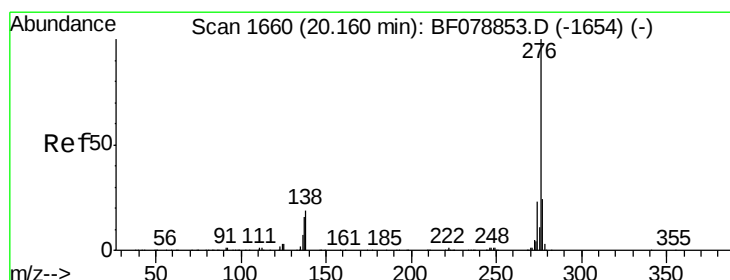
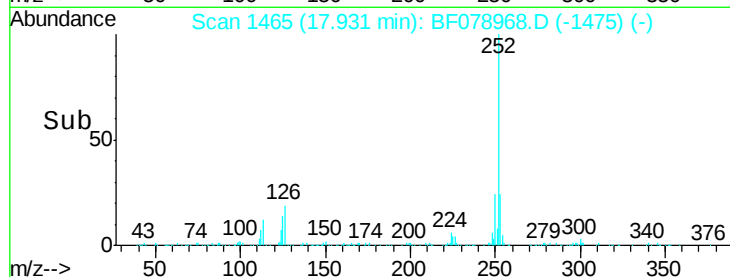
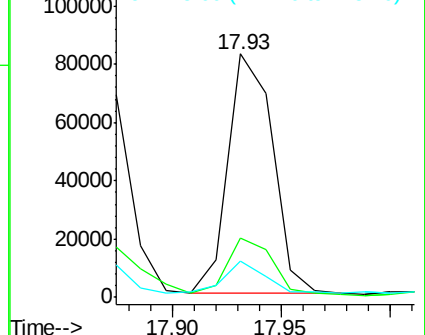
125 15.2 7.0 10.6#



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: 4.12 ng

RT: 19.94 min Scan# 1641

Delta R.T. -0.26 min

Lab File: BF078968.D

Acq: 6 May 2015 18:56

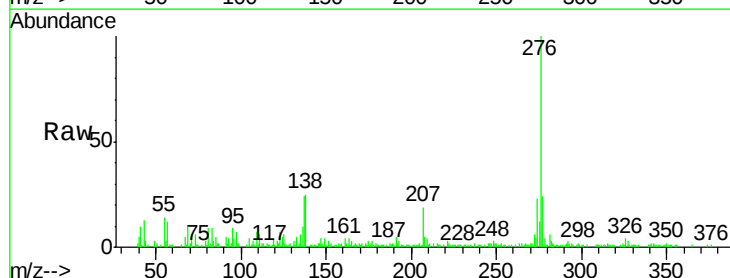
Tgt Ion:276 Resp: 74945

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 25.3 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

