

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
 Data File : BF079721.D
 Acq On : 5 Jun 2015 2:18
 Operator : TP/IZ
 Sample : G2464-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13S

Quant Time: Jun 06 03:32:38 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 06 03:31:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	76057	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	295594	20.00	ng	0.00
38) Acenaphthene-d10	10.57	164	143499	20.00	ng	-0.01
63) Phenanthrene-d10	12.09	188	298899	20.00	ng	0.01
75) Chrysene-d12	15.03	240	335343	20.00	ng	0.05
86) Perylene-d12	16.98	264	334583	20.00	ng	0.07

System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	480682	108.37	ng	0.00
7) Phenol-d6	7.10	99	599415	103.81	ng	0.00
23) Nitrobenzene-d5	8.06	82	321076	66.13	ng	-0.01
41) 2,4,6-Tribromophenol	11.37	330	149471	115.99	ng	0.00
44) 2-Fluorobiphenyl	9.87	172	810076	81.73	ng	0.00
78) Terphenyl-d14	13.76	244	953212	66.97	ng	0.02

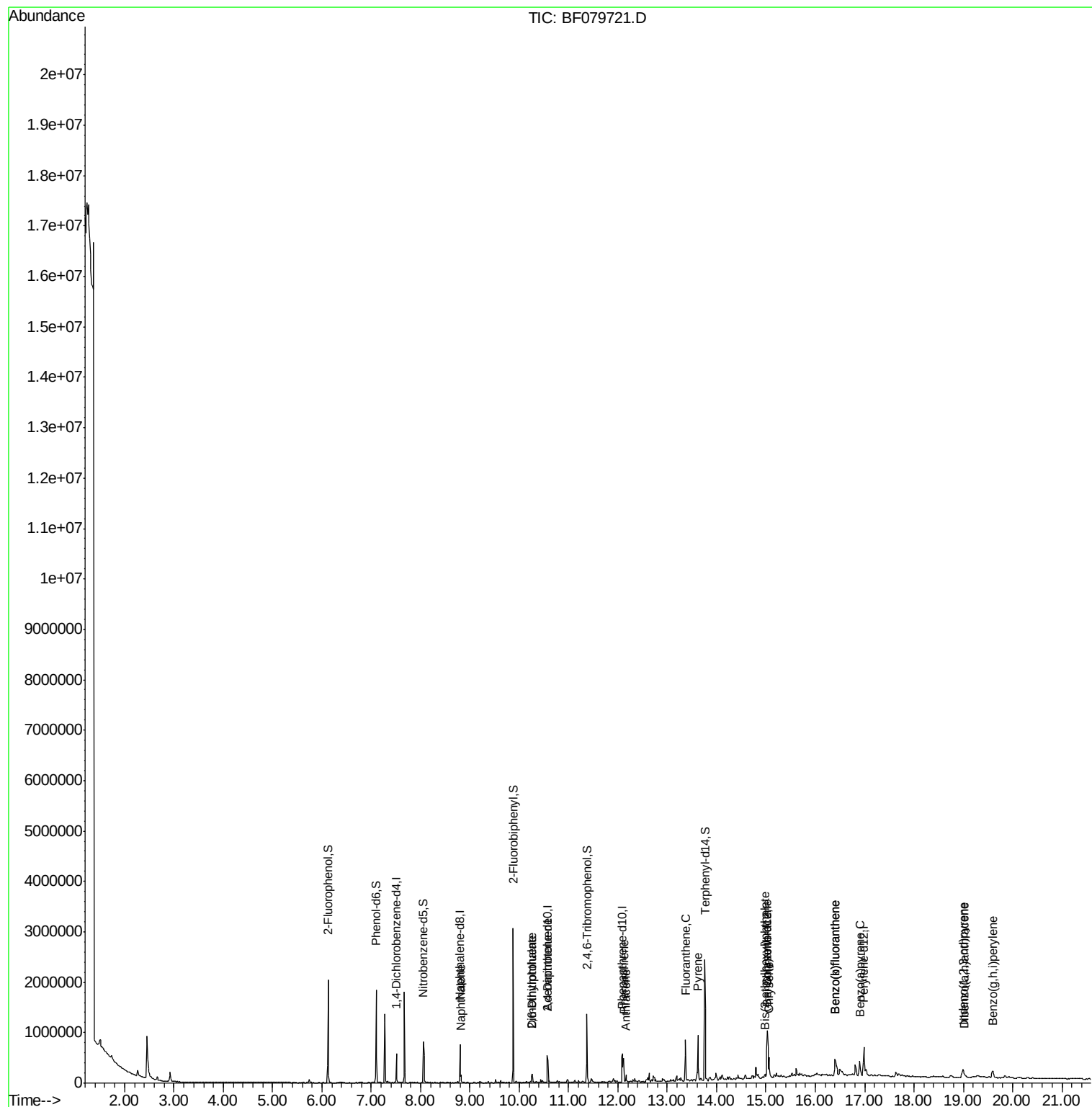
Target Compounds				Qvalue		
31) Naphthalene	8.82	128	60878	3.74	ng	98
49) Dimethylphthalate	10.26	163	82786	7.49	ng	# 98
50) 2,6-Dinitrotoluene	10.26	165	916	3.46	ng	# 17
56) 2,4-Dinitrotoluene	10.57	165	19333	8.25	ng	# 32
70) Phenanthrene	12.11	178	218496	12.57	ng	97
71) Anthracene	12.16	178	59617	3.46	ng	98
74) Fluoranthene	13.37	202	412458	21.87	ng	96
77) Pyrene	13.62	202	387334	18.59	ng	100
80) Benzo(a)anthracene	15.02	228	219789	10.72	ng	98
82) Chrysene	15.06	228	196062	10.22	ng	97
83) Bis(2-ethylhexyl)phthalate	14.98	149	30142	2.39	ng	# 94
85) Indeno(1,2,3-cd)pyrene	18.99	276	157982	7.30	ng	97
87) Benzo(b)fluoranthene	16.40	252	355186	16.46	ng	# 95
88) Benzo(k)fluoranthene	16.40	252	355186	17.25	ng	98
89) Benzo(a)pyrene	16.90	252	200168	10.15	ng	99
90) Dibenzo(a,h)anthracene	19.02	278	58713	3.22	ng	95
91) Benzo(g,h,i)perylene	19.60	276	161521	8.67	ng	98

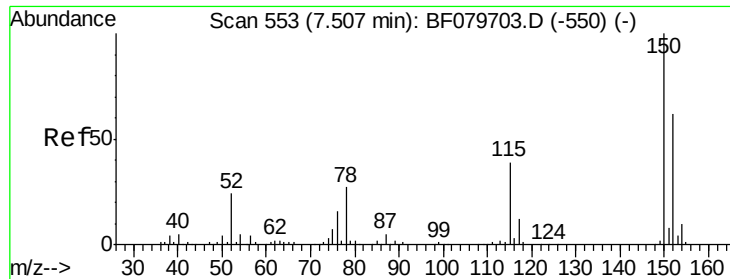
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
Data File : BF079721.D
Acq On : 5 Jun 2015 2:18
Operator : TP/IZ
Sample : G2464-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13S

Quant Time: Jun 06 03:32:38 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 06 03:31:13 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.51 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

Instrument :

BNA_F

ClientSampleId :

SB-13S

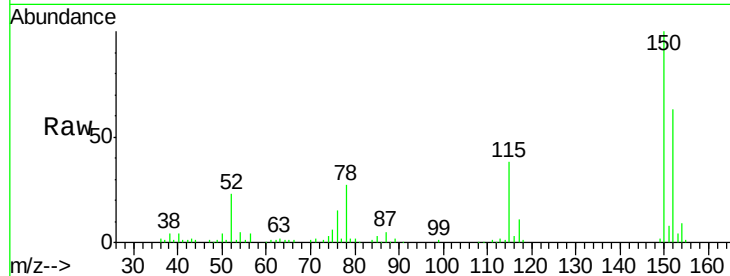
Tgt Ion:152 Resp: 76057

Ion Ratio Lower Upper

152 100

150 159.1 128.1 192.1

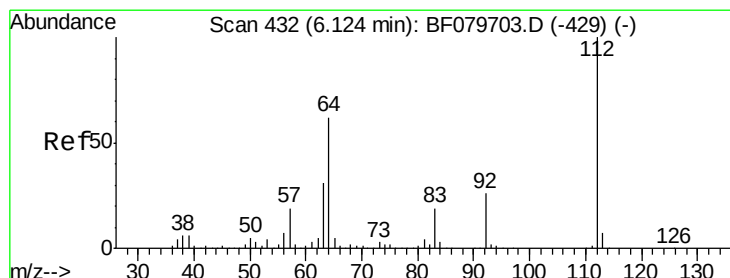
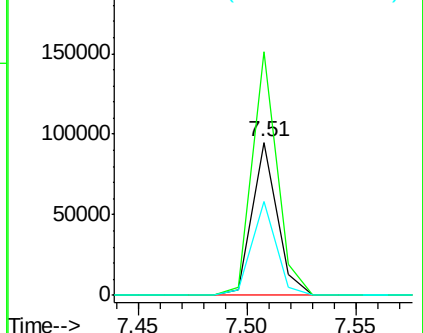
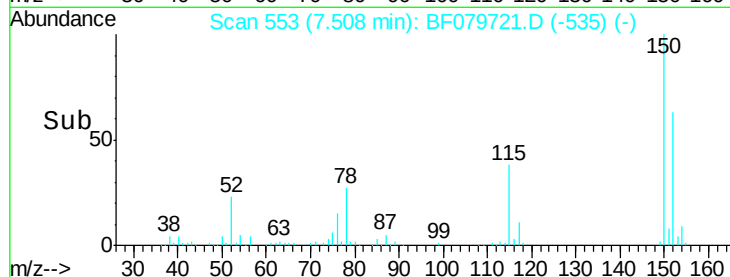
115 61.1 49.7 74.5



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: 108.37 ng

RT: 6.12 min Scan# 432

Delta R.T. 0.00 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

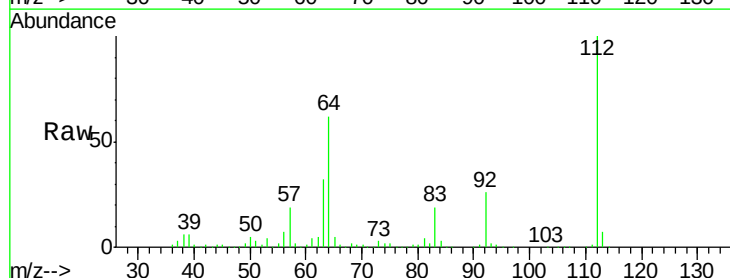
Tgt Ion:112 Resp: 480682

Ion Ratio Lower Upper

112 100

64 62.2 49.6 74.4

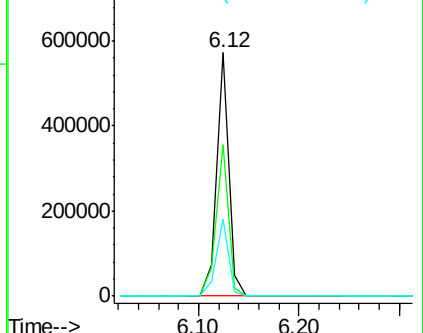
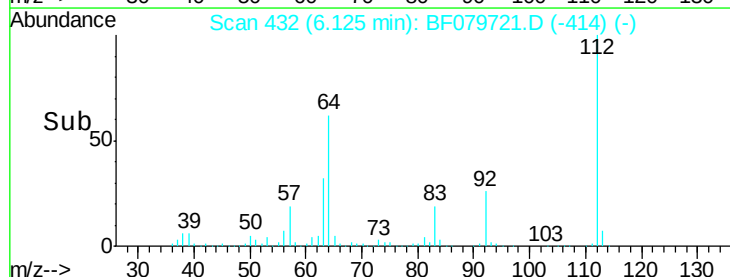
63 32.0 24.9 37.3

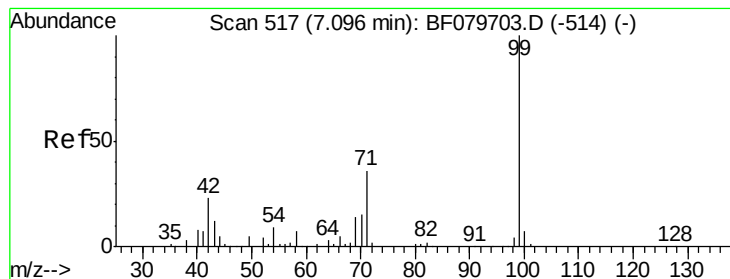


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.81 ng

RT: 7.10 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

Instrument :

BNA_F

ClientSampleId :

SB-13S

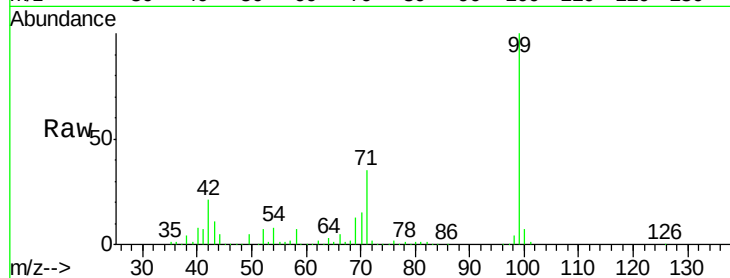
Tgt Ion: 99 Resp: 599415

Ion Ratio Lower Upper

99 100

42 21.5 18.0 27.0

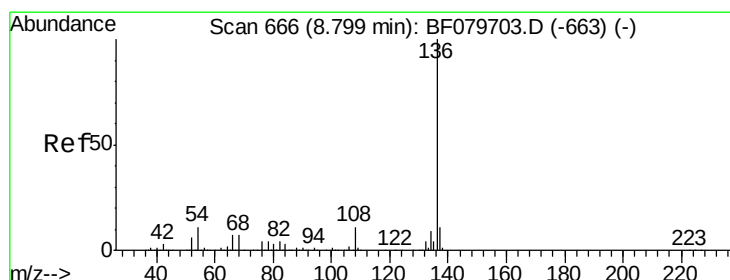
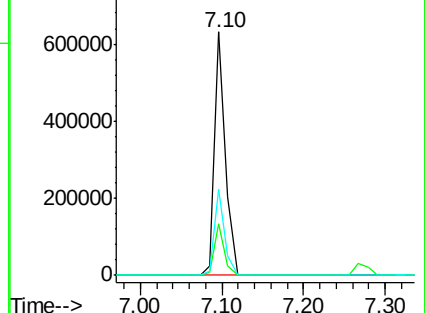
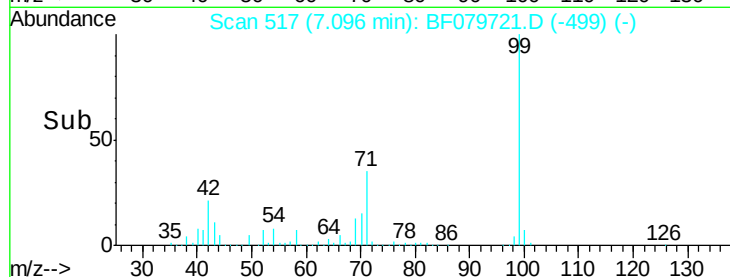
71 35.2 28.4 42.6



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: 8.80 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

Tgt Ion: 136 Resp: 295594

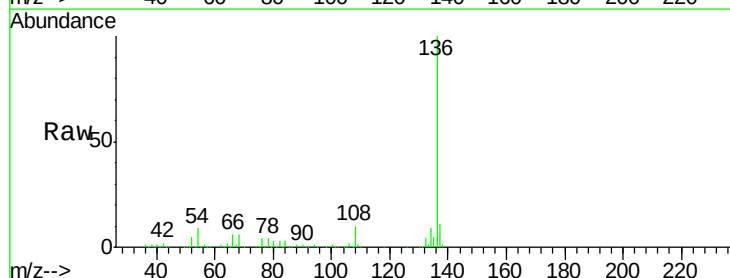
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.1 8.7 13.1

68 6.5 5.8 8.8

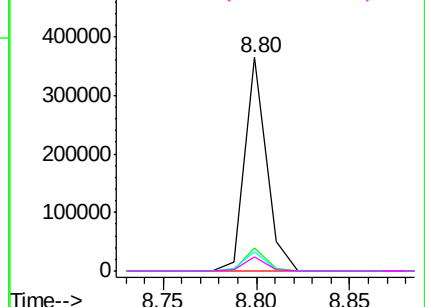
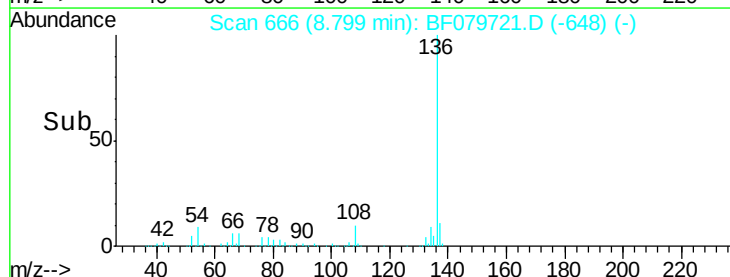


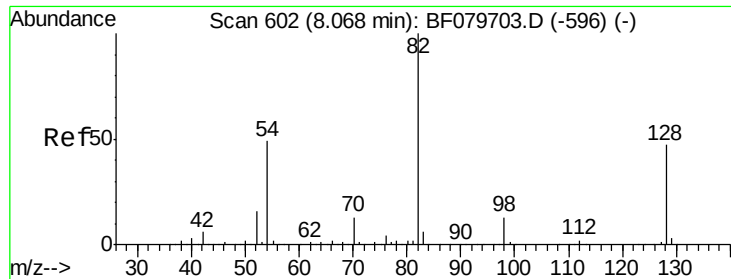
Abundance Ion 136.00 (135.70 to 136.70): E

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

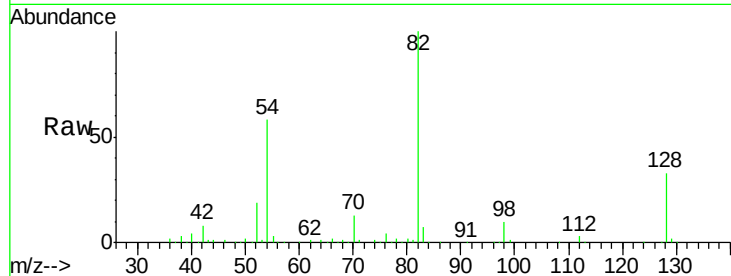




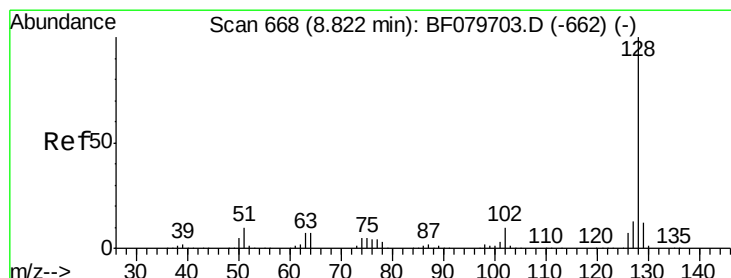
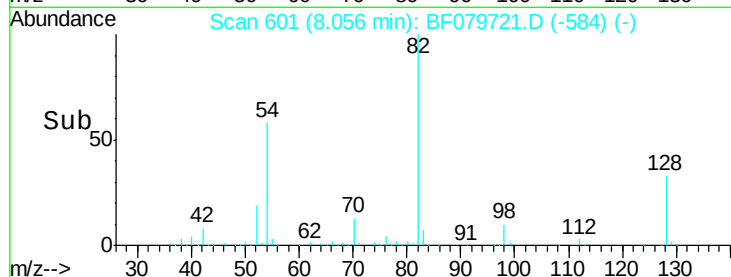
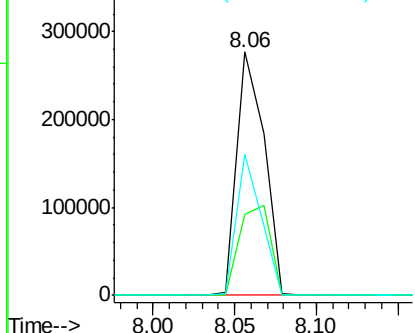
#23
 Nitrobenzene-d5
 Concen: 66.13 ng
 RT: 8.06 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF079721.D
 Acq: 5 Jun 2015 2:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-13S

Tgt Ion: 82 Resp: 321076
 Ion Ratio Lower Upper
 82 100
 128 33.2 37.6 56.4#
 54 57.9 39.4 59.2

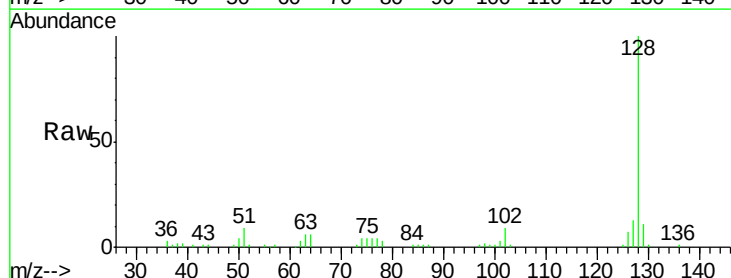


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

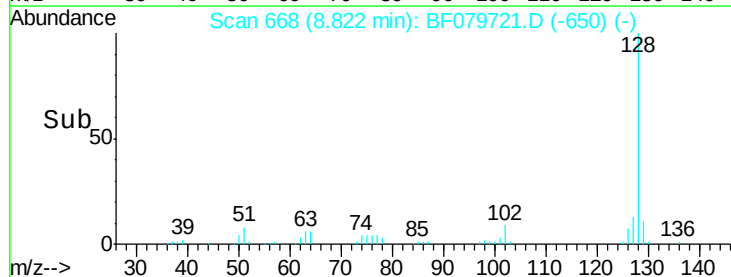
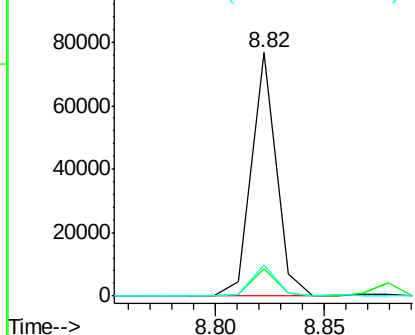


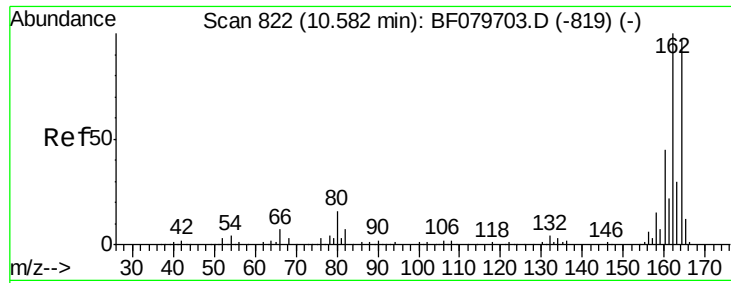
#31
 Naphthalene
 Concen: 3.74 ng
 RT: 8.82 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: BF079721.D
 Acq: 5 Jun 2015 2:18

Tgt Ion: 128 Resp: 60878
 Ion Ratio Lower Upper
 128 100
 129 11.3 9.4 14.2
 127 12.6 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

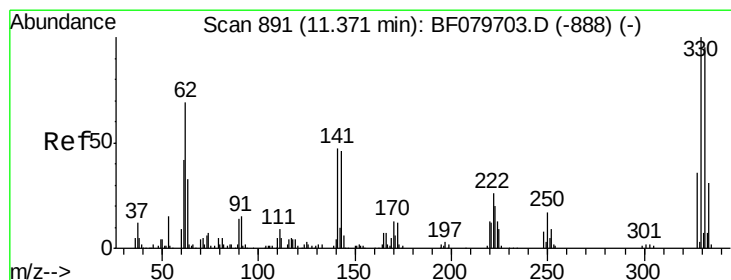
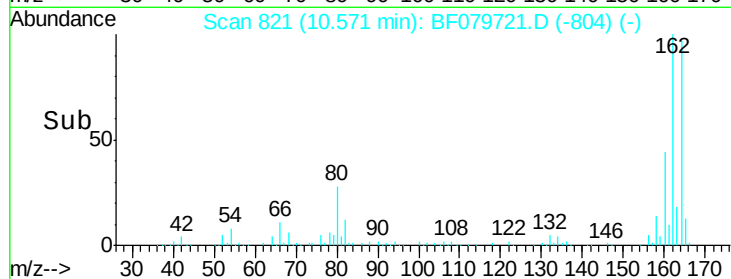
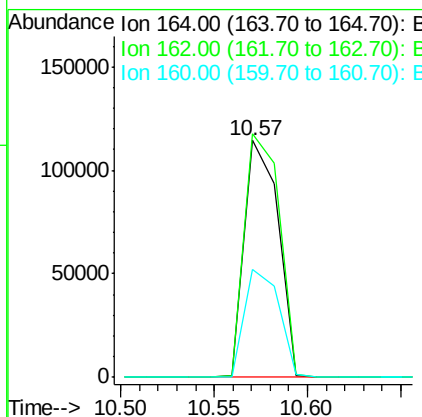
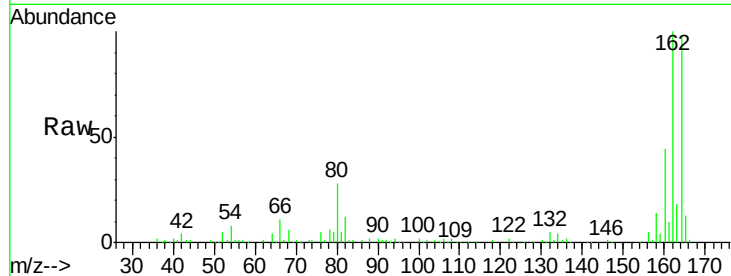




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.57 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF079721.D
 Acq: 5 Jun 2015 2:18

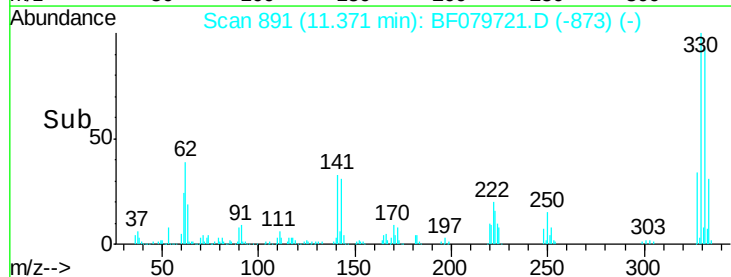
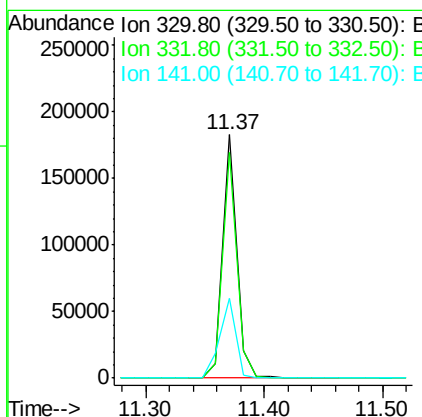
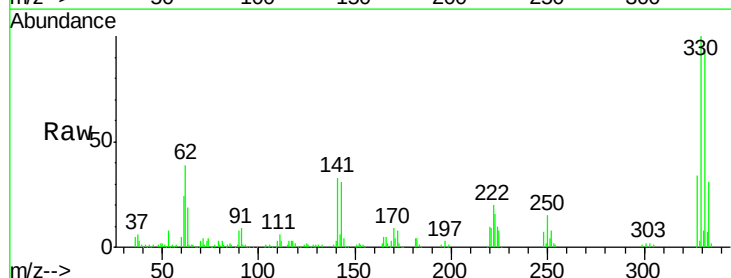
Instrument :
 BNA_F
 ClientSampled :
 SB-13S

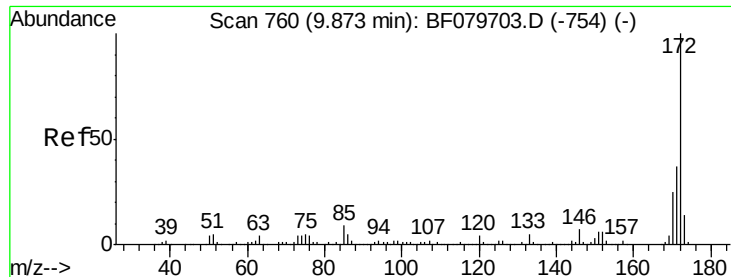
Tgt Ion:164 Resp: 143499
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.6 123.8
 160 45.4 36.8 55.2



#41
 2,4,6-Tribromophenol
 Concen: 115.99 ng
 RT: 11.37 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF079721.D
 Acq: 5 Jun 2015 2:18

Tgt Ion:330 Resp: 149471
 Ion Ratio Lower Upper
 330 100
 332 93.9 77.4 116.0
 141 36.9 30.2 45.2

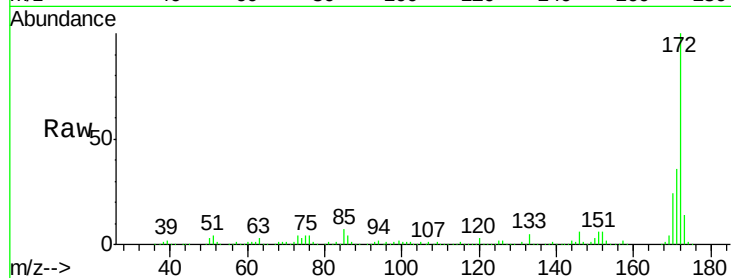




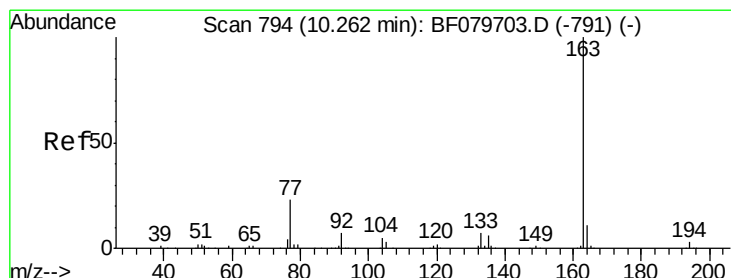
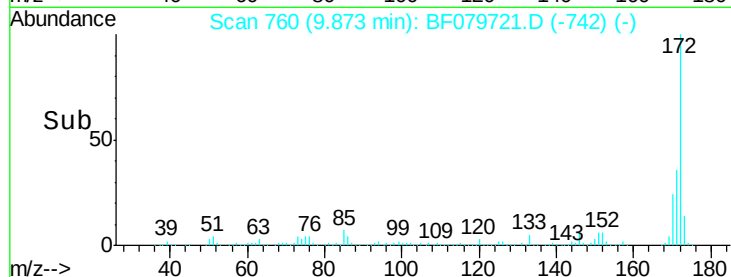
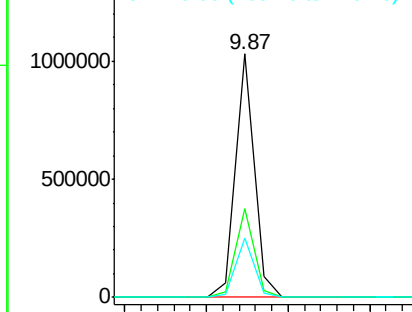
#44
2-Fluorobiphenyl
Concen: 81.73 ng
RT: 9.87 min Scan# 760
Delta R.T. 0.00 min
Lab File: BF079721.D
Acq: 5 Jun 2015 2:18

Instrument :
BNA_F
ClientSampleId :
SB-13S

Tgt Ion:172 Resp: 810076
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 24.2 19.7 29.5

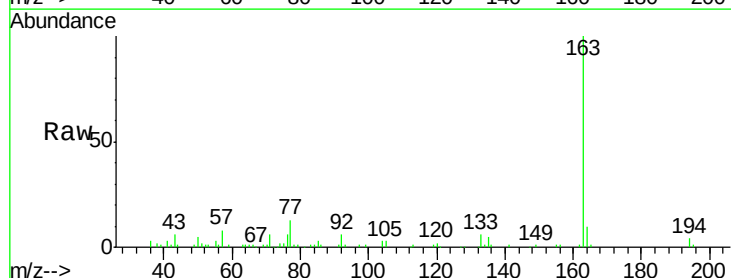


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

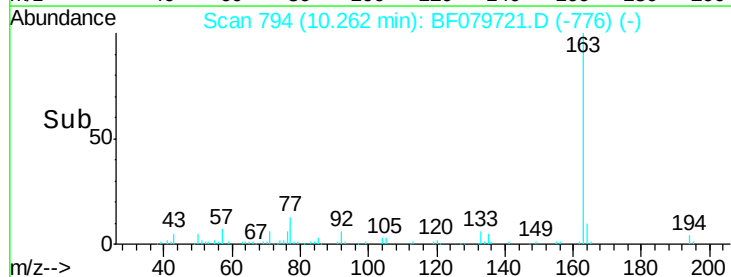
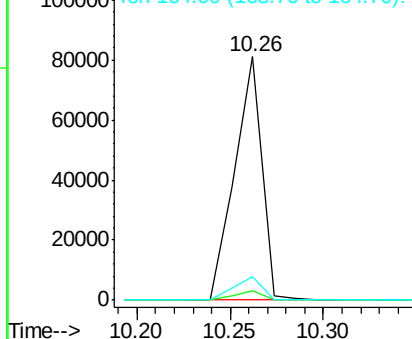


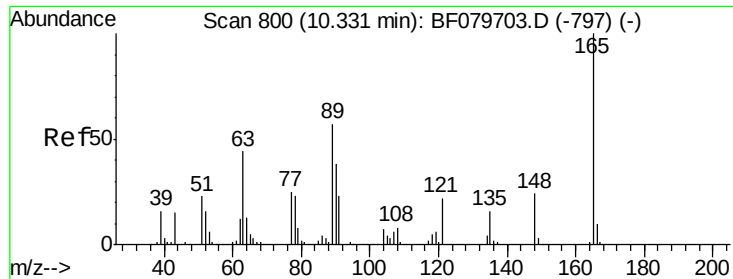
#49
Dimethylphthalate
Concen: 7.49 ng
RT: 10.26 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF079721.D
Acq: 5 Jun 2015 2:18

Tgt Ion:163 Resp: 82786
Ion Ratio Lower Upper
163 100
194 3.9 2.6 3.8#
164 9.8 8.5 12.7



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

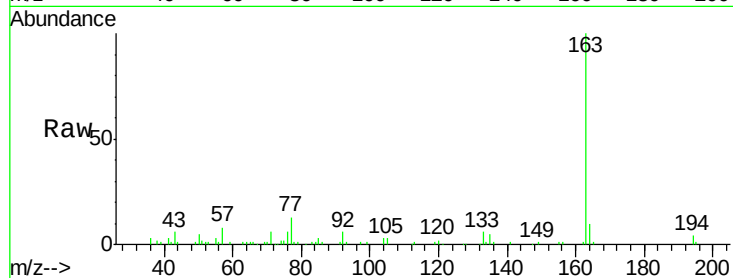




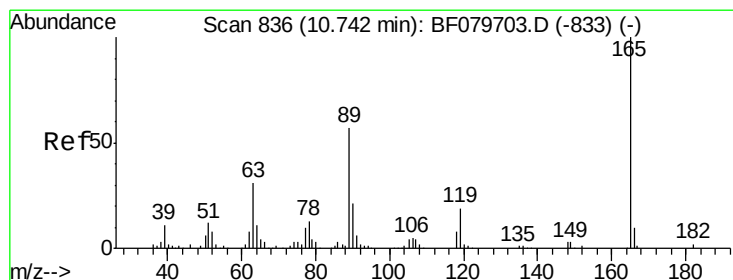
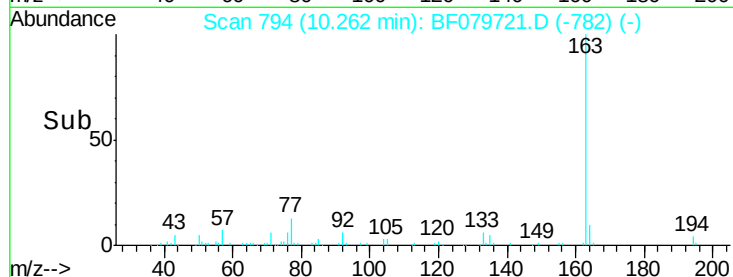
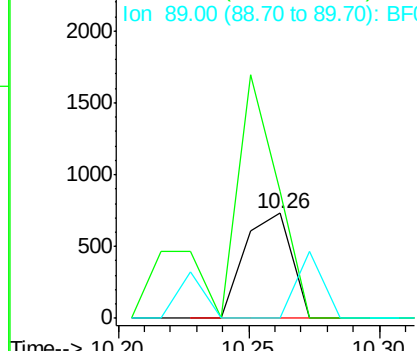
#50
2,6-Dinitrotoluene
Concen: 3.46 ng
RT: 10.26 min Scan# 794
Delta R.T. -0.07 min
Lab File: BF079721.D
Acq: 5 Jun 2015 2:18

Instrument :
BNA_F
ClientSampleId :
SB-13S

Tgt Ion:165 Resp: 916
Ion Ratio Lower Upper
165 100
63 121.8 45.2 67.8#
89 0.0 45.9 68.9#

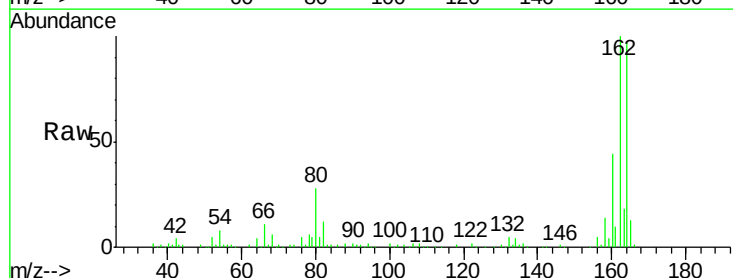


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

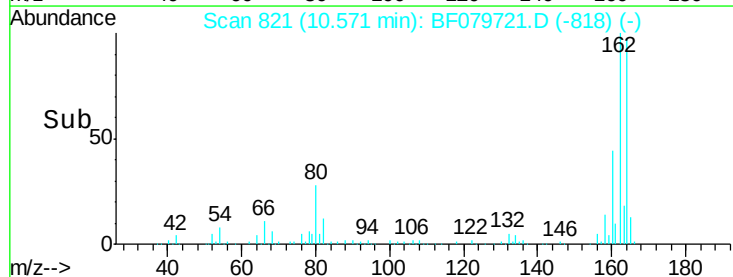
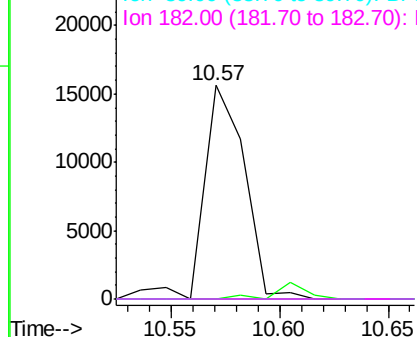


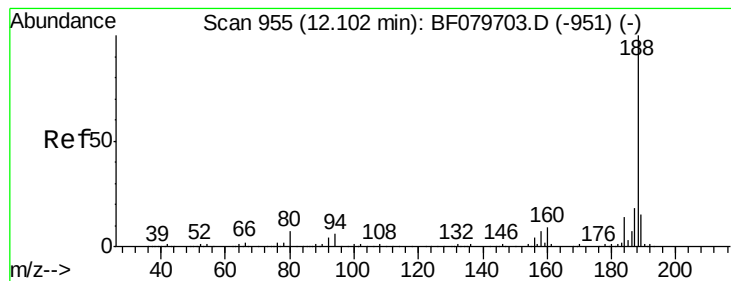
#56
2,4-Dinitrotoluene
Concen: 8.25 ng
RT: 10.57 min Scan# 821
Delta R.T. -0.17 min
Lab File: BF079721.D
Acq: 5 Jun 2015 2:18

Tgt Ion:165 Resp: 19333
Ion Ratio Lower Upper
165 100
63 0.0 24.7 37.1#
89 0.0 45.7 68.5#
182 0.0 1.8 2.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.09 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

Instrument :

BNA_F

ClientSampleId :

SB-13S

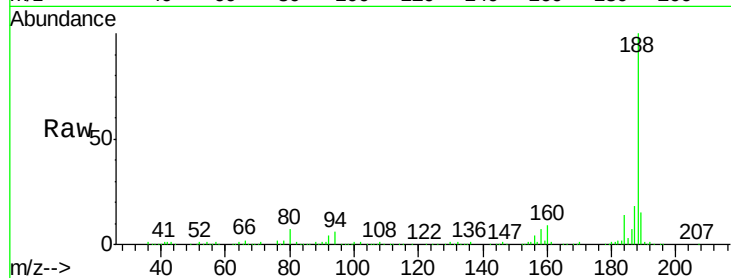
Tgt Ion:188 Resp: 298899

Ion Ratio Lower Upper

188 100

94 6.2 5.0 7.4

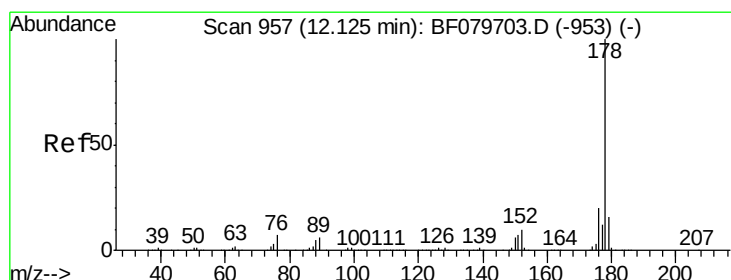
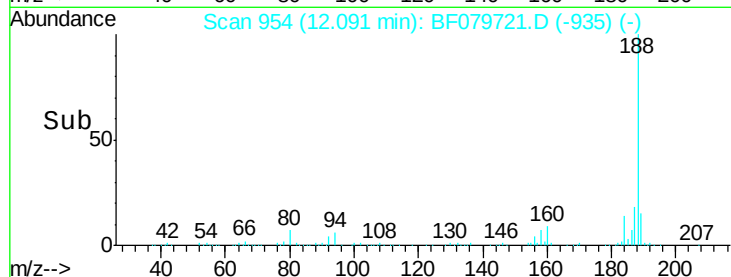
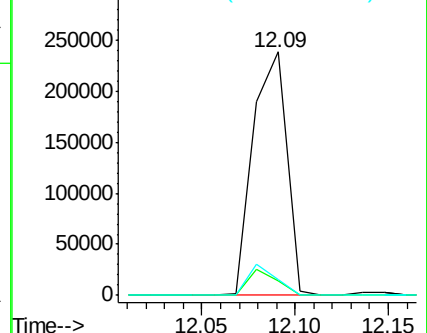
80 6.5 5.3 7.9



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: 12.57 ng

RT: 12.11 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

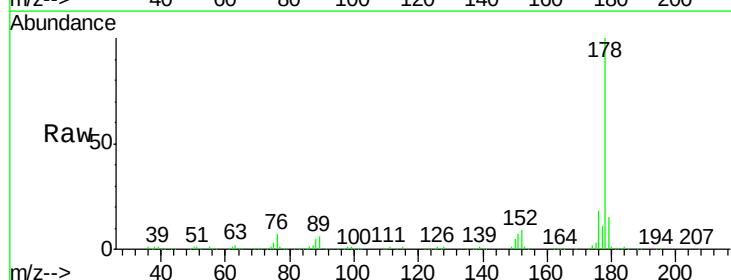
Tgt Ion:178 Resp: 218496

Ion Ratio Lower Upper

178 100

176 18.3 16.2 24.4

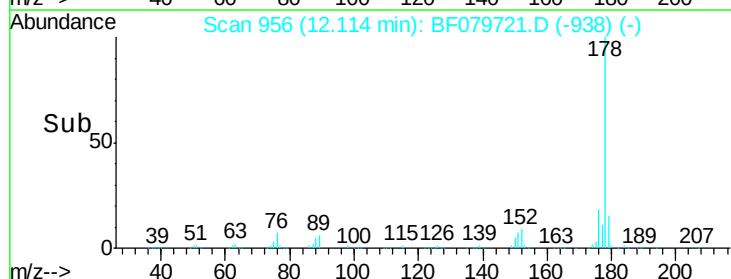
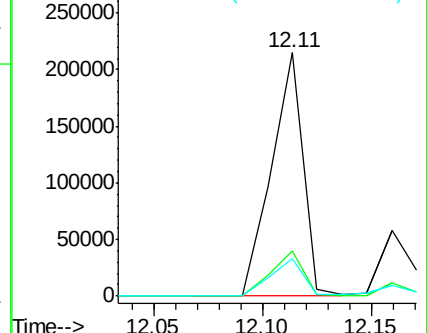
179 15.3 12.6 19.0

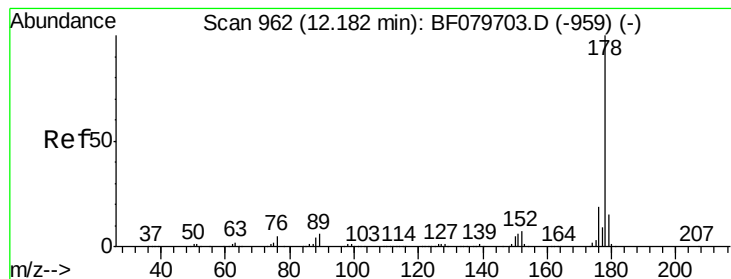


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.46 ng

RT: 12.16 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

Instrument :

BNA_F

ClientSampleId :

SB-13S

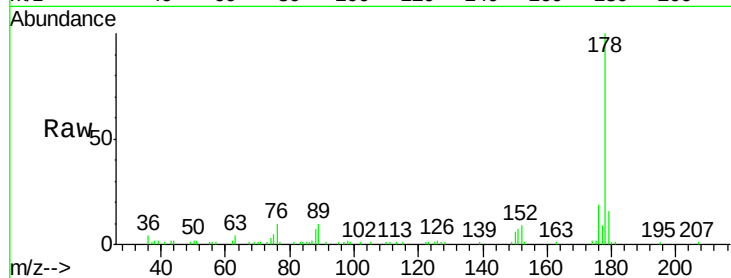
Tgt Ion:178 Resp: 59617

Ion Ratio Lower Upper

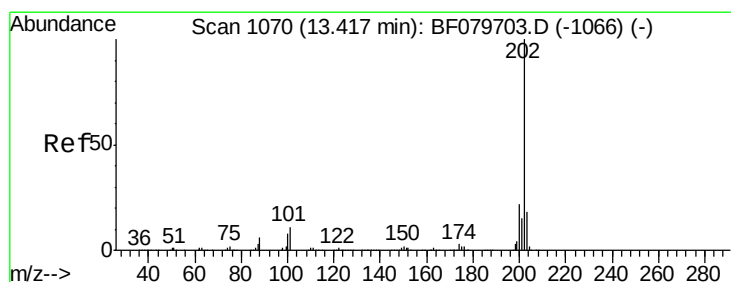
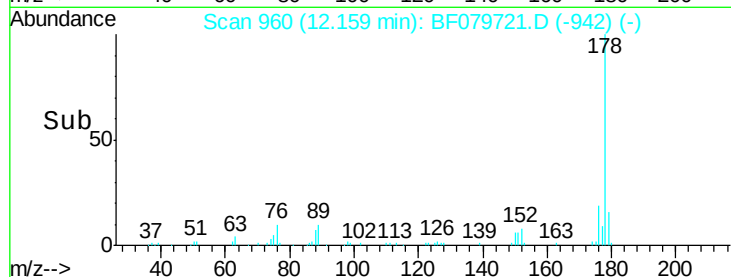
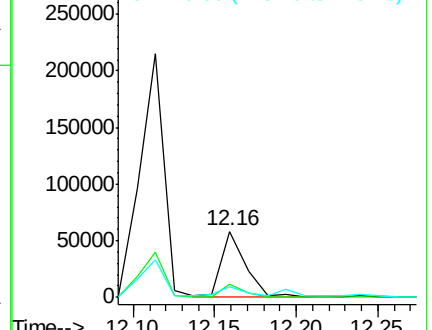
178 100

176 19.3 14.8 22.2

179 15.9 12.2 18.2



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



#74

Fluoranthene

Concen: 21.87 ng

RT: 13.37 min Scan# 1066

Delta R.T. 0.02 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

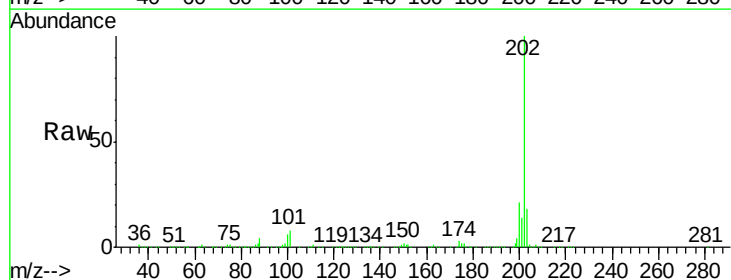
Tgt Ion:202 Resp: 412458

Ion Ratio Lower Upper

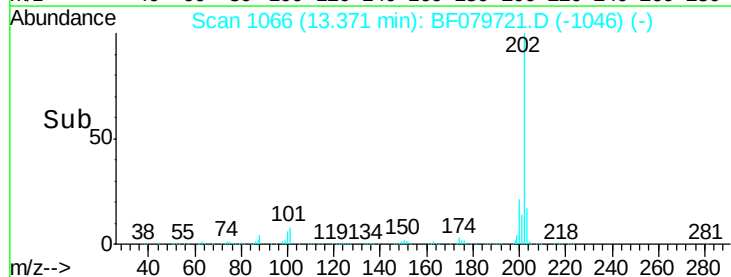
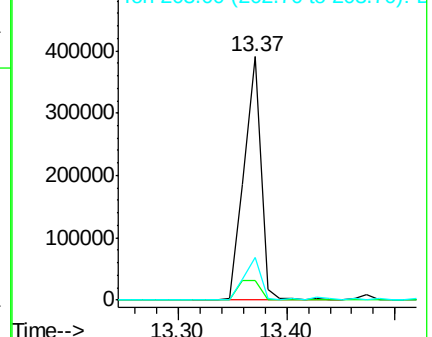
202 100

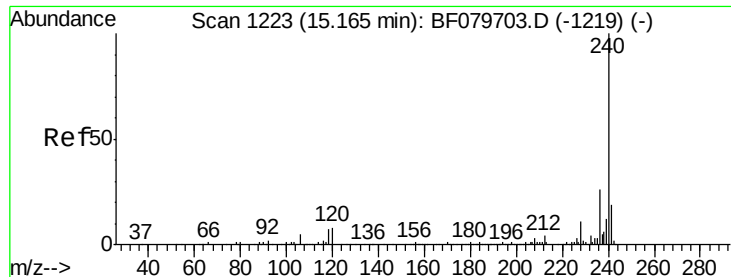
101 8.1 0.0 31.3

203 17.6 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: 15.03 min Scan# 1211

Delta R.T. 0.05 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

Instrument :

BNA_F

ClientSampleId :

SB-13S

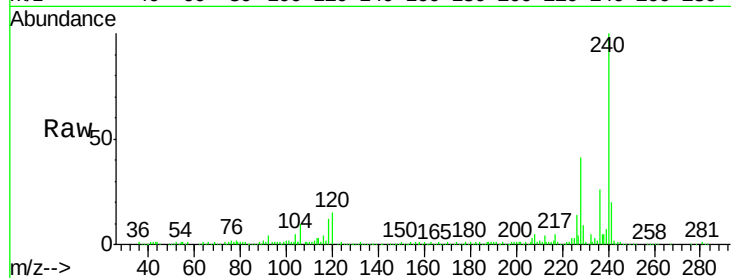
Tgt Ion:240 Resp: 335343

Ion Ratio Lower Upper

240 100

120 14.6 6.2 9.2#

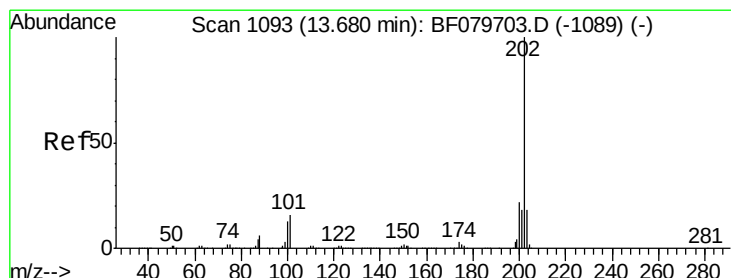
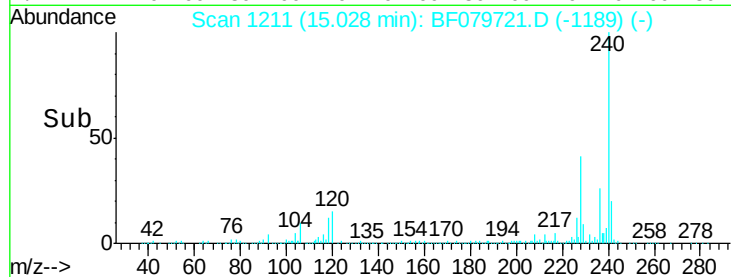
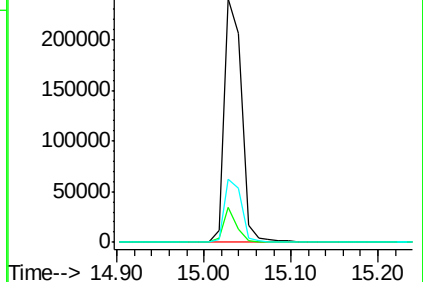
236 25.7 21.0 31.4



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: 18.59 ng

RT: 13.62 min Scan# 1088

Delta R.T. 0.02 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

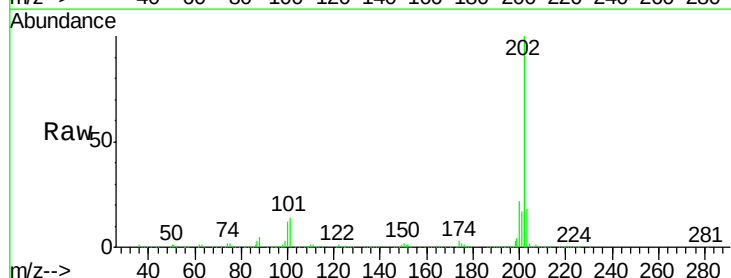
Tgt Ion:202 Resp: 387334

Ion Ratio Lower Upper

202 100

200 22.0 17.5 26.3

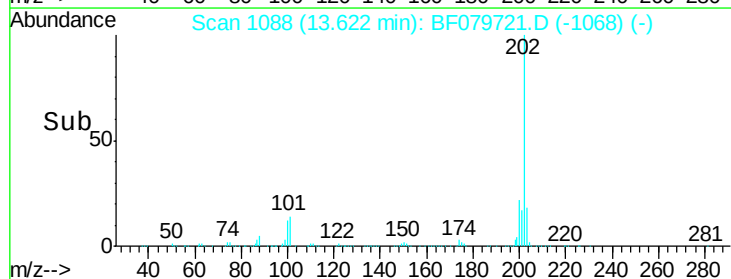
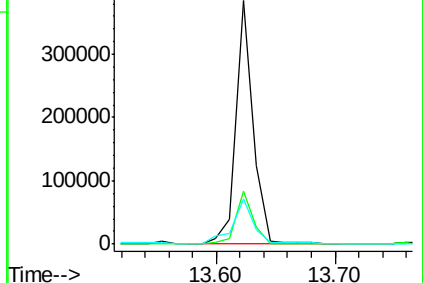
203 18.4 14.8 22.2

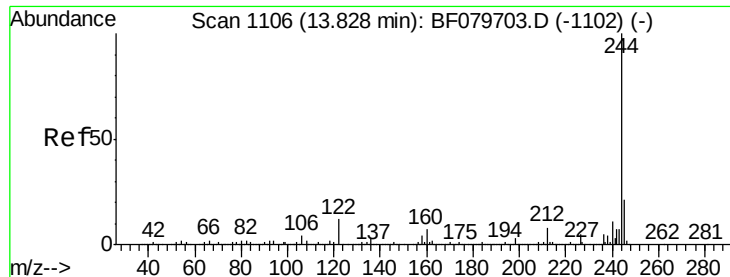


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

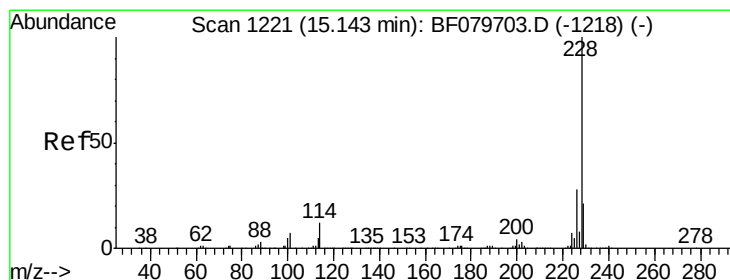
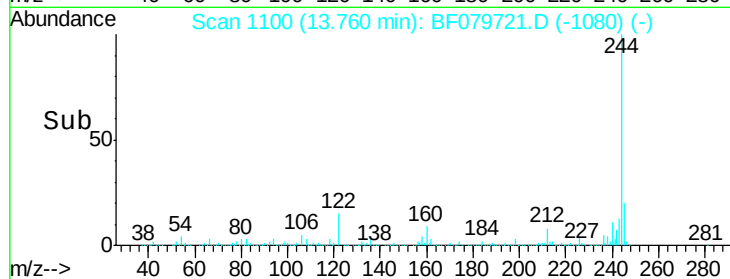
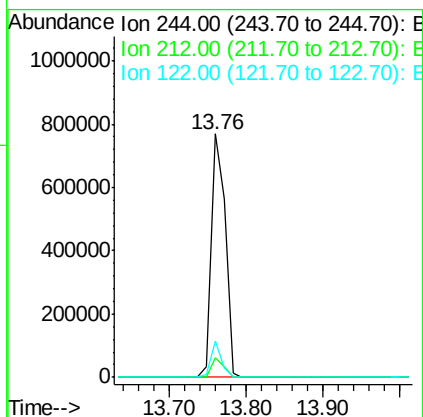
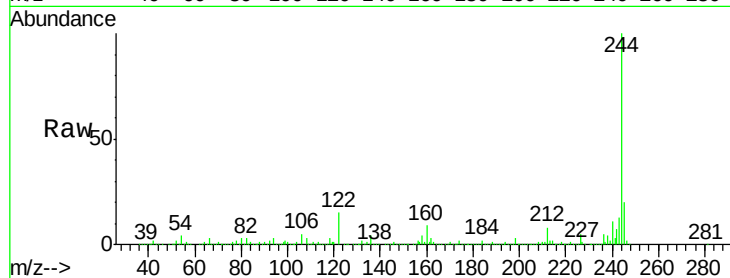




#78
 Terphenyl-d14
 Concen: 66.97 ng
 RT: 13.76 min Scan# 1100
 Delta R.T. 0.02 min
 Lab File: BF079721.D
 Acq: 5 Jun 2015 2:18

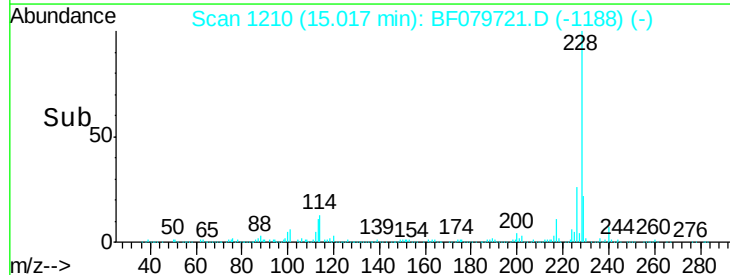
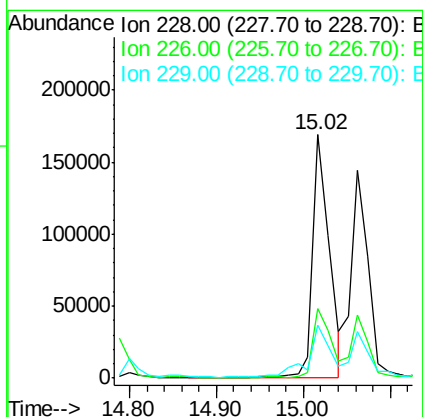
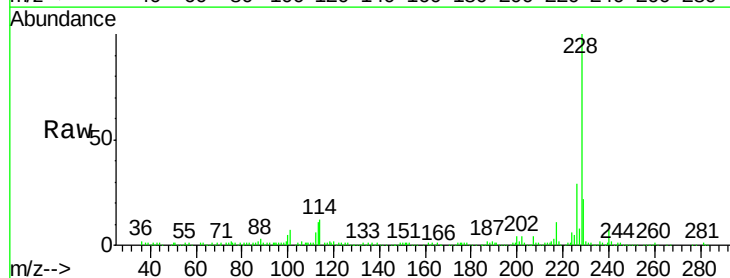
Instrument :
 BNA_F
 ClientSampled :
 SB-13S

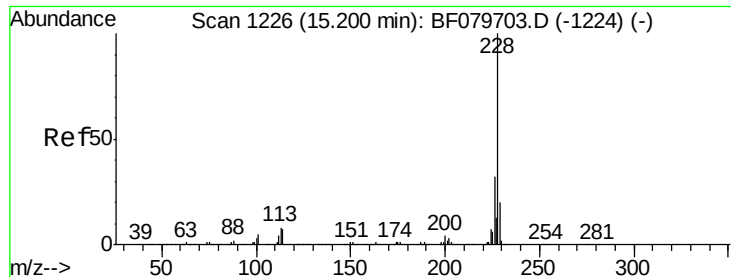
Tgt Ion:244 Resp: 953212
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 14.7 9.3 13.9#



#80
 Benzo(a)anthracene
 Concen: 10.72 ng
 RT: 15.02 min Scan# 1210
 Delta R.T. 0.05 min
 Lab File: BF079721.D
 Acq: 5 Jun 2015 2:18

Tgt Ion:228 Resp: 219789
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.2 33.4
 229 21.9 16.6 25.0





#82

Chrysene

Concen: 10.22 ng

RT: 15.06 min Scan# 1214

Delta R.T. 0.05 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

Instrument :

BNA_F

ClientSampleId :

SB-13S

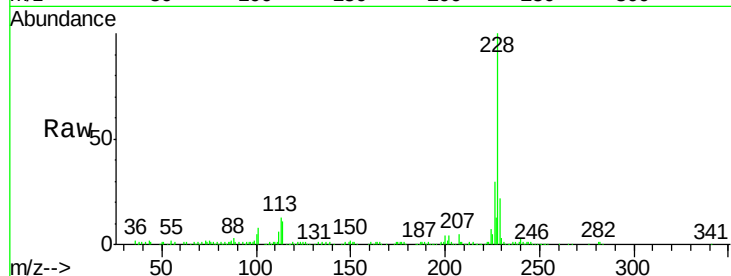
Tgt Ion:228 Resp: 196062

Ion Ratio Lower Upper

228 100

226 30.4 25.2 37.8

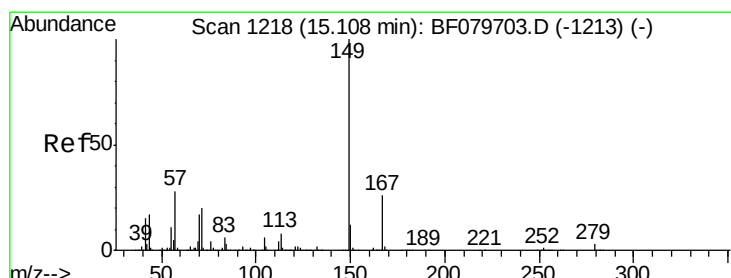
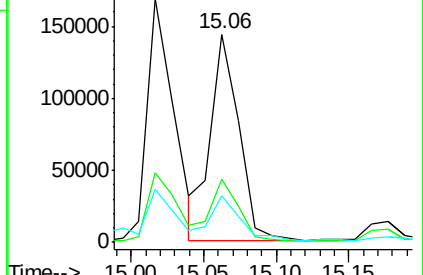
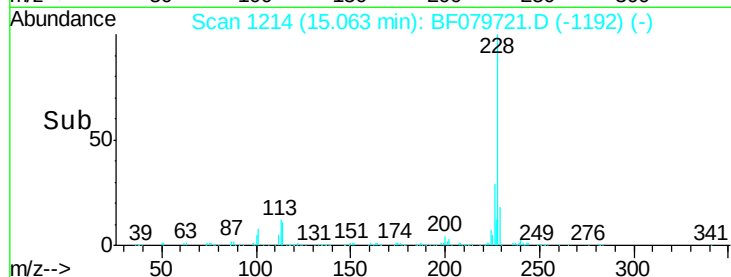
229 22.5 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.39 ng

RT: 14.98 min Scan# 1207

Delta R.T. 0.06 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

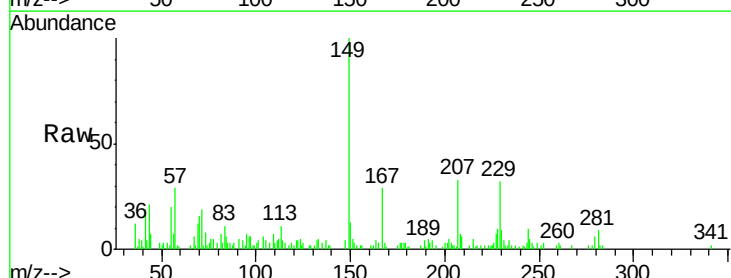
Tgt Ion:149 Resp: 30142

Ion Ratio Lower Upper

149 100

167 28.9 20.9 31.3

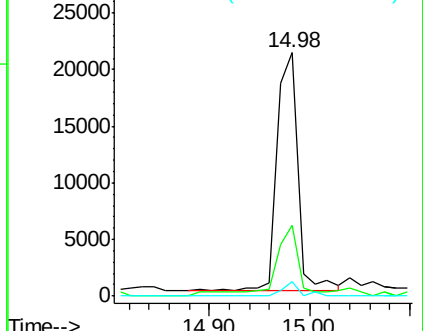
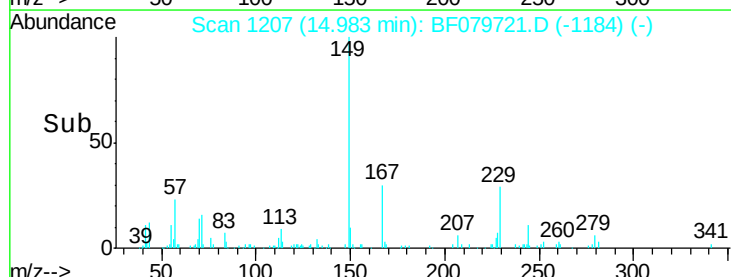
279 6.0 2.2 3.2#

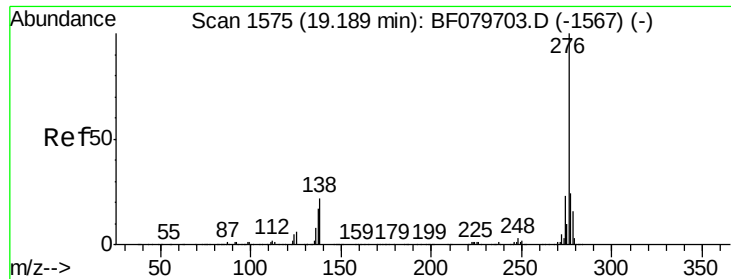


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.30 ng

RT: 18.99 min Scan# 1558

Delta R.T. 0.07 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

Instrument :

BNA_F

ClientSampleId :

SB-13S

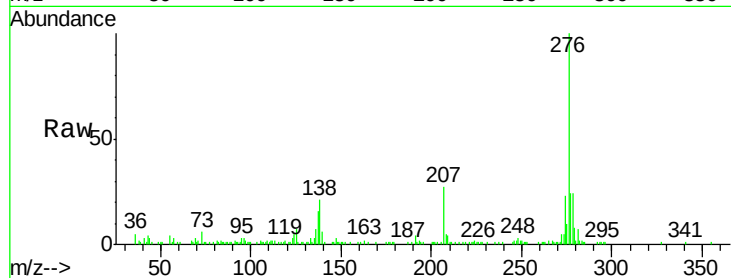
Tgt Ion:276 Resp: 157982

Ion Ratio Lower Upper

276 100

138 25.2 20.8 31.2

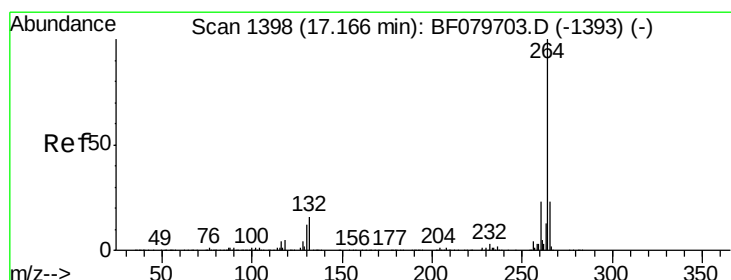
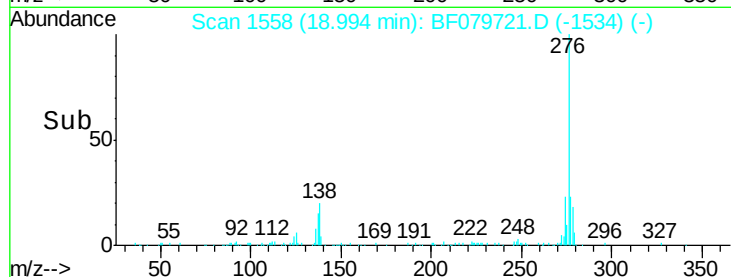
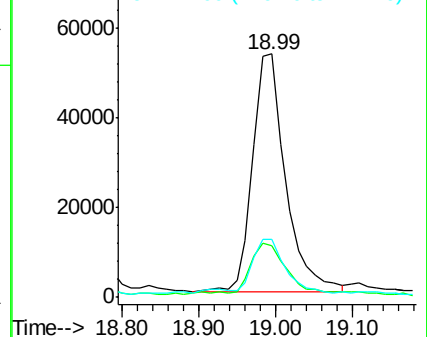
277 22.3 20.0 30.0



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: 16.98 min Scan# 1382

Delta R.T. 0.07 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

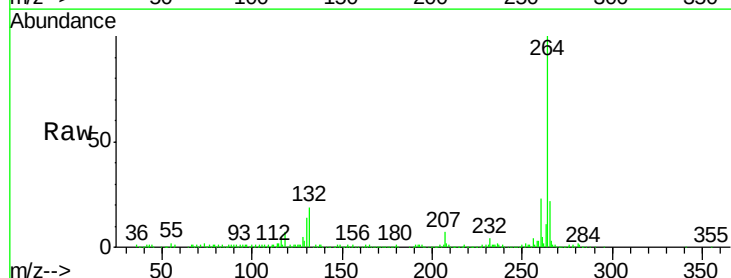
Tgt Ion:264 Resp: 334583

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

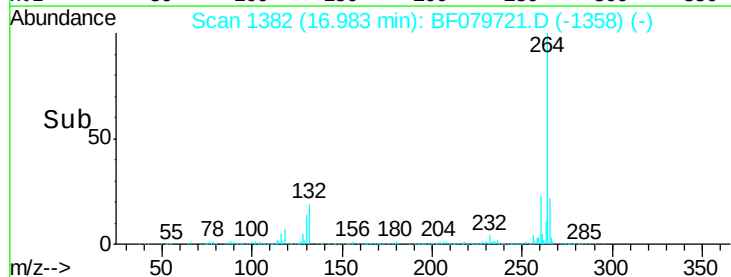
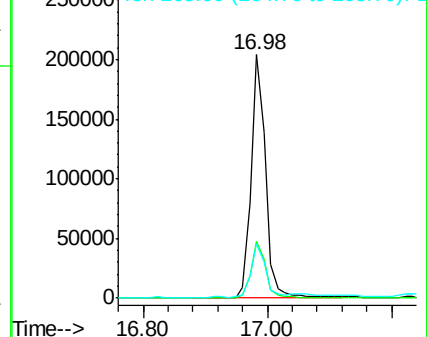
265 22.3 18.2 27.4

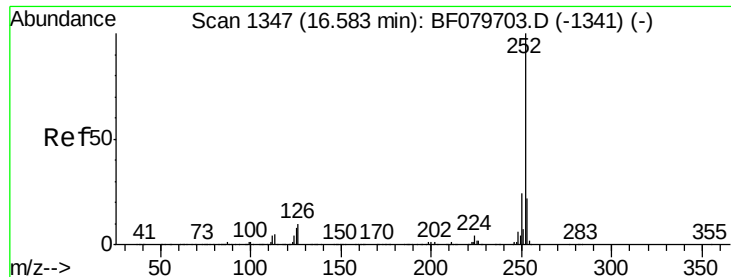


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

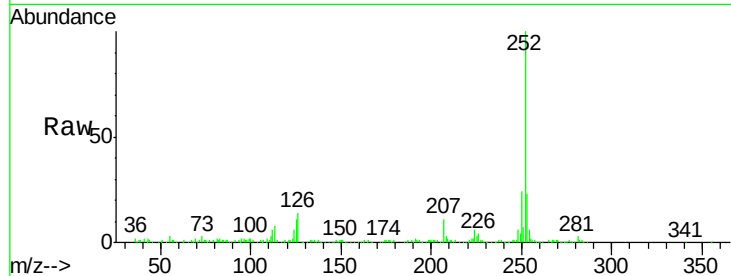




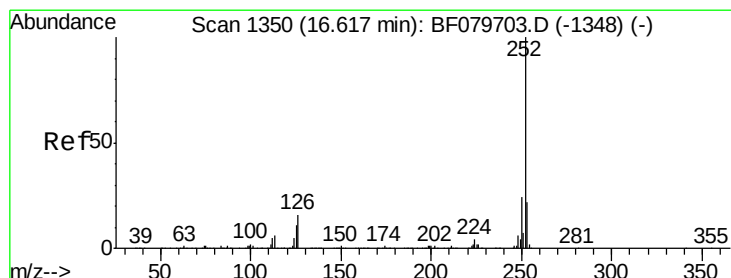
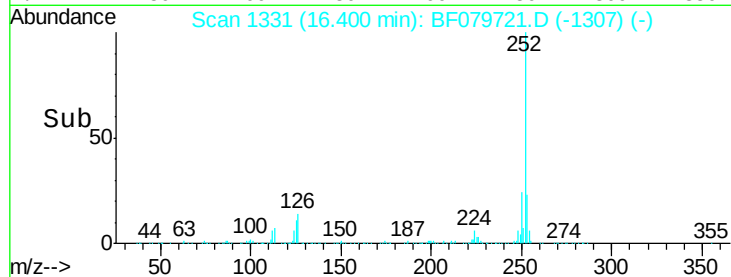
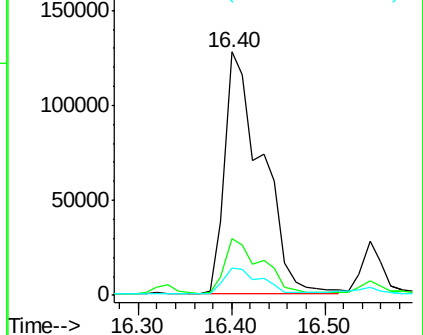
#87
Benzo(b)fluoranthene
Concen: 16.46 ng
RT: 16.40 min Scan# 1331
Delta R.T. 0.07 min
Lab File: BF079721.D
Acq: 5 Jun 2015 2:18

Instrument :
BNA_F
ClientSampleId :
SB-13S

Tgt Ion:252 Resp: 355186
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 11.3 6.5 9.7#

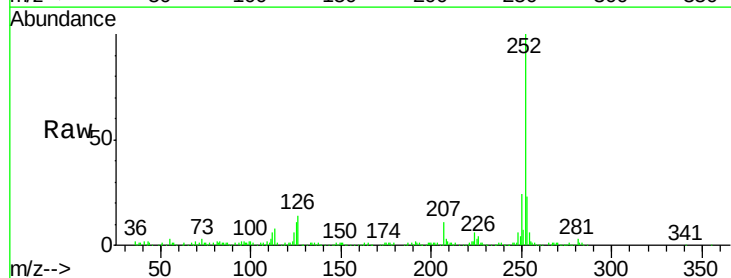


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

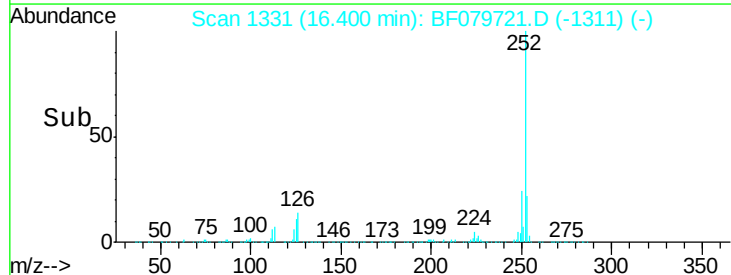
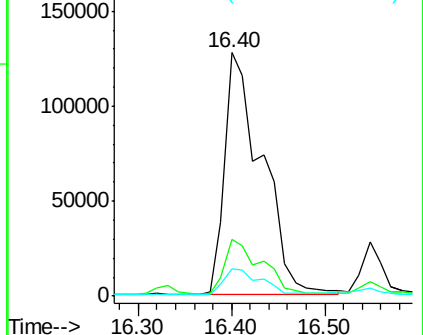


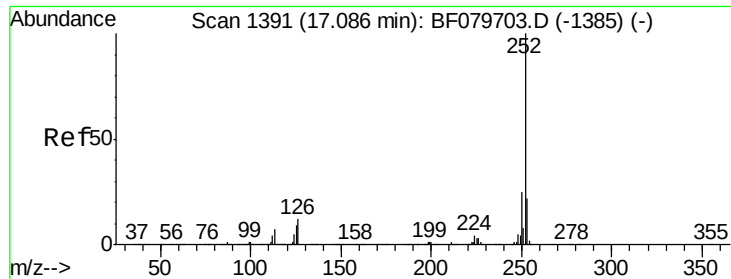
#88
Benzo(k)fluoranthene
Concen: 17.25 ng
RT: 16.40 min Scan# 1331
Delta R.T. 0.02 min
Lab File: BF079721.D
Acq: 5 Jun 2015 2:18

Tgt Ion:252 Resp: 355186
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 11.3 8.4 12.6



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





#89

Benzo(a)pyrene

Concen: 10.15 ng

RT: 16.90 min Scan# 1375

Delta R.T. 0.07 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

Instrument :

BNA_F

ClientSampleId :

SB-13S

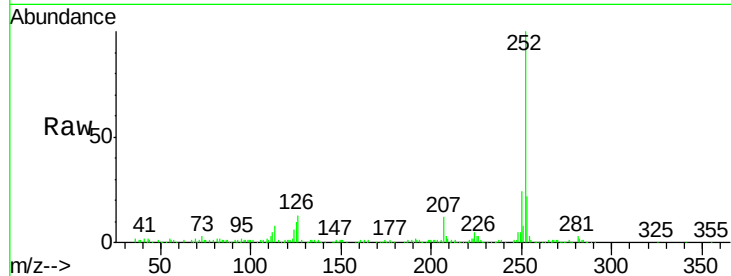
Tgt Ion:252 Resp: 200168

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

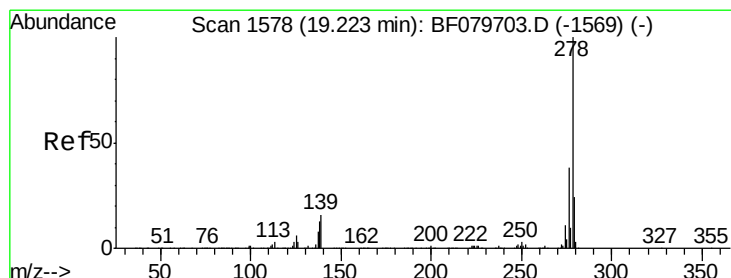
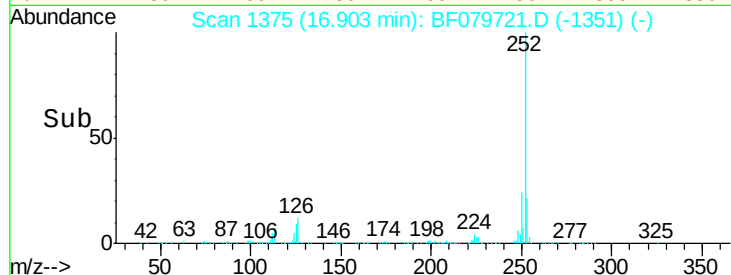
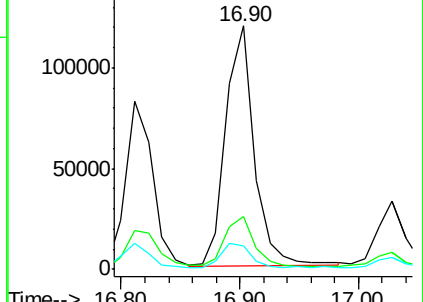
125 9.8 7.4 11.0



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



#90

Dibenzo(a,h)anthracene

Concen: 3.22 ng

RT: 19.02 min Scan# 1560

Delta R.T. 0.07 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

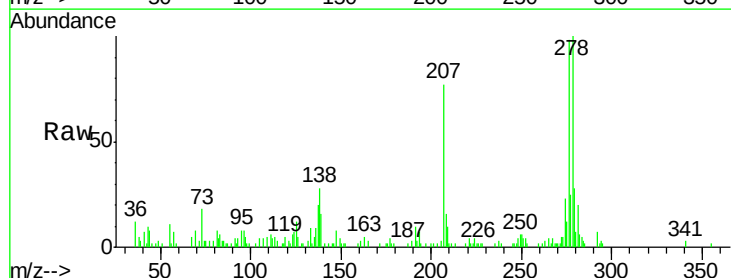
Tgt Ion:278 Resp: 58713

Ion Ratio Lower Upper

278 100

139 16.0 12.7 19.1

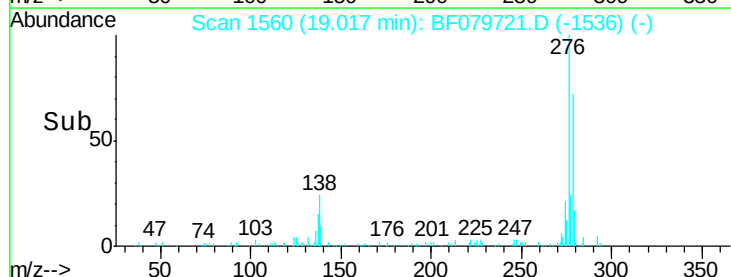
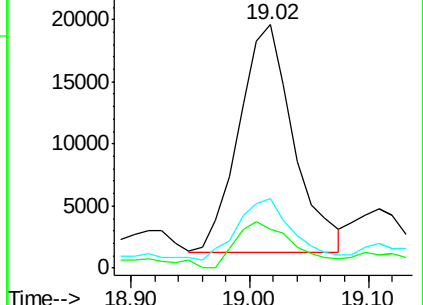
279 28.4 19.4 29.2

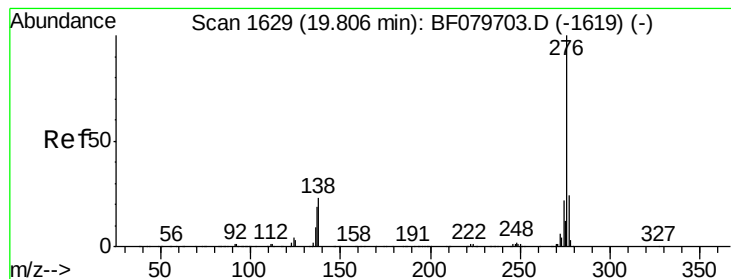


Abundance Ion 278.00 (277.70 to 278.70): E

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: 8.67 ng

RT: 19.60 min Scan# 1611

Delta R.T. 0.07 min

Lab File: BF079721.D

Acq: 5 Jun 2015 2:18

Instrument :

BNA_F

ClientSampleId :

SB-13S

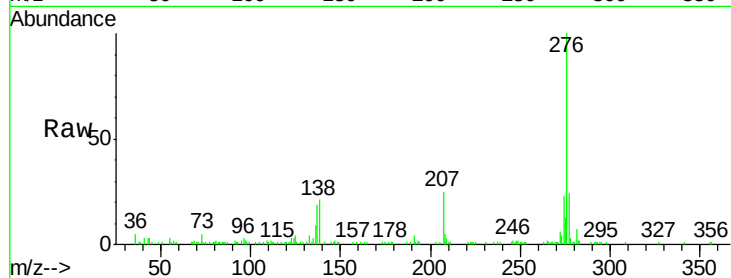
Tgt Ion: 276 Resp: 161521

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 21.3 18.2 27.2



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

