

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
 Data File : BF079725.D
 Acq On : 5 Jun 2015 4:14
 Operator : TP/IZ
 Sample : G2474-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-5

Quant Time: Jun 06 03:33:55 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

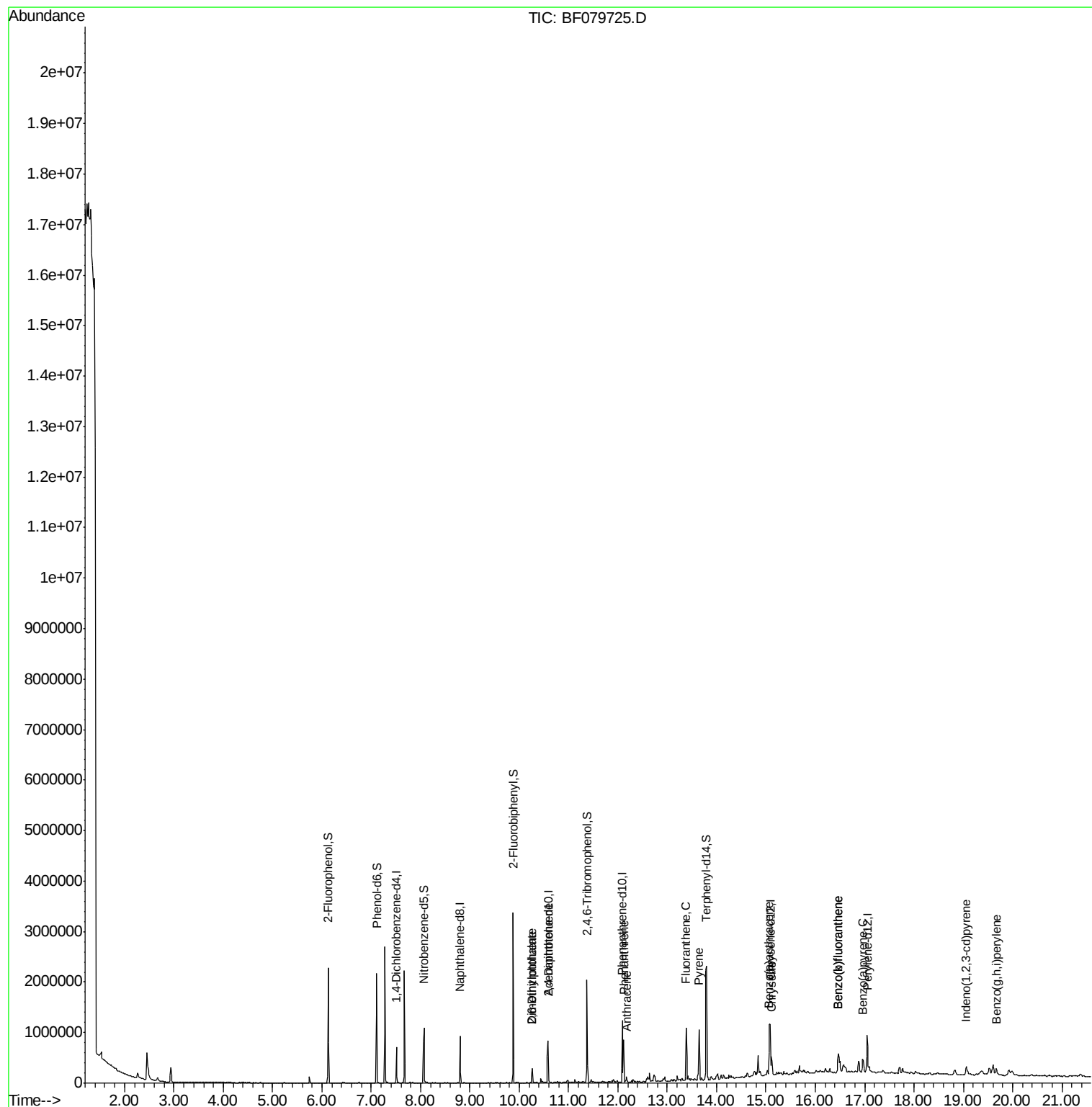
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	98875	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	387007	20.00	ng	0.00
38) Acenaphthene-d10	10.58	164	201882	20.00	ng	0.00
63) Phenanthrene-d10	12.09	188	432065	20.00	ng	0.01
75) Chrysene-d12	15.09	240	449674	20.00	ng	0.10
86) Perylene-d12	17.05	264	447935	20.00	ng	0.14
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	625110	108.41	ng	0.00
7) Phenol-d6	7.11	99	892990	118.96	ng	0.01
23) Nitrobenzene-d5	8.07	82	447320	70.37	ng	0.00
41) 2,4,6-Tribromophenol	11.37	330	213657	117.85	ng	0.00
44) 2-Fluorobiphenyl	9.87	172	923111	66.20	ng	0.00
78) Terphenyl-d14	13.79	244	1120739	58.72	ng	0.06
Target Compounds						Qvalue
49) Dimethylphthalate	10.26	163	124088	7.98	ng	97
50) 2,6-Dinitrotoluene	10.26	165	1296	3.47	ng	# 23
56) 2,4-Dinitrotoluene	10.58	165	25600	7.77	ng	# 33
70) Phenanthrene	12.11	178	293738	11.69	ng	98
71) Anthracene	12.17	178	53459	2.15	ng	98
74) Fluoranthene	13.38	202	481943	17.68	ng	96
77) Pyrene	13.65	202	423721	15.16	ng	98
80) Benzo(a)anthracene	15.06	228	213516	7.77	ng	99
82) Chrysene	15.11	228	218471	8.49	ng	97
85) Indeno(1,2,3-cd)pyrene	19.06	276	140484	4.84	ng	95
87) Benzo(b)fluoranthene	16.47	252	380530	13.17	ng	# 98
88) Benzo(k)fluoranthene	16.47	252	380530	13.80	ng	99
89) Benzo(a)pyrene	16.97	252	186658	7.07	ng	98
91) Benzo(g,h,i)perylene	19.67	276	134441	5.39	ng	99

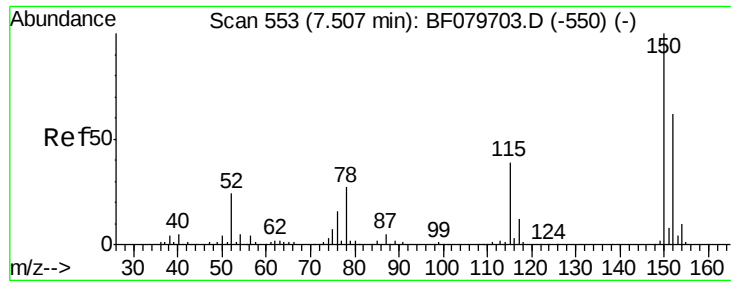
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 06 03:31:13 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.51 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF079725.D

Acq: 5 Jun 2015 4:14

Instrument :

BNA_F

ClientSampleId :

C-5

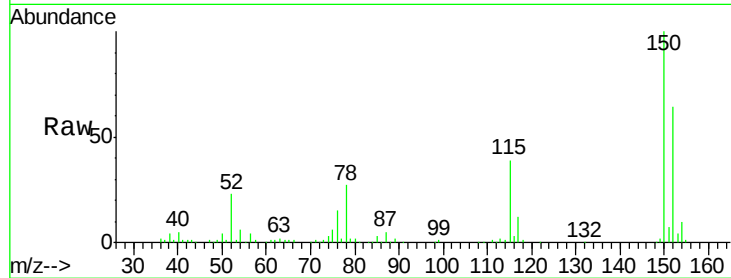
Tgt Ion:152 Resp: 98875

Ion Ratio Lower Upper

152 100

150 155.4 128.1 192.1

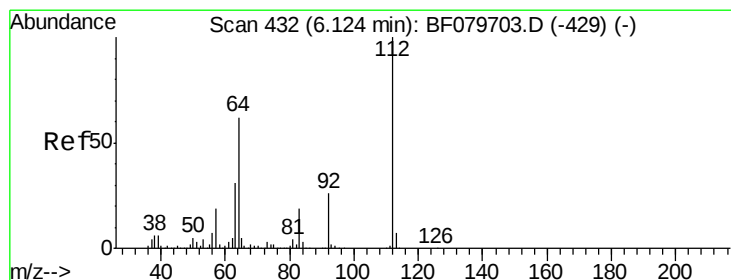
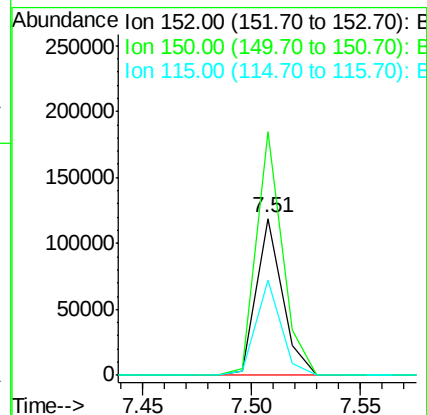
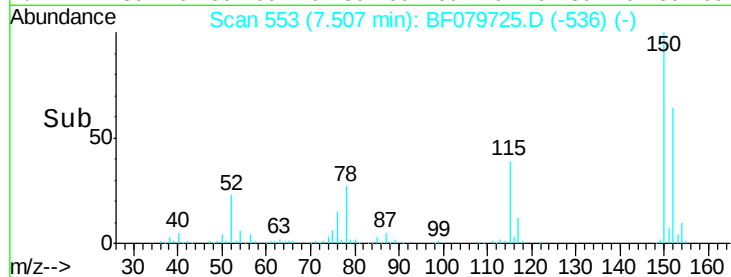
115 60.8 49.7 74.5



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: 108.41 ng

RT: 6.12 min Scan# 432

Delta R.T. 0.00 min

Lab File: BF079725.D

Acq: 5 Jun 2015 4:14

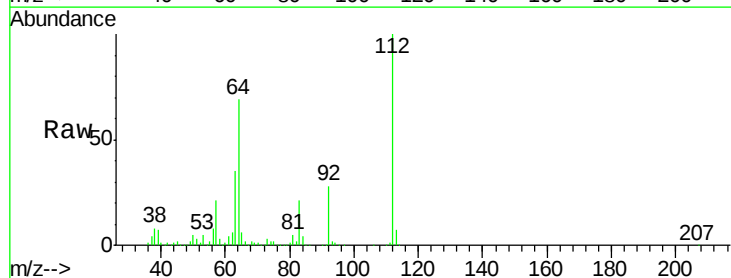
Tgt Ion:112 Resp: 625110

Ion Ratio Lower Upper

112 100

64 69.5 49.6 74.4

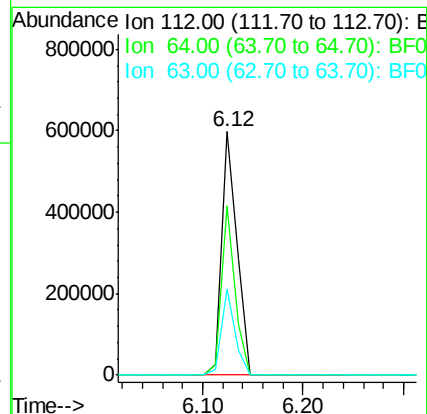
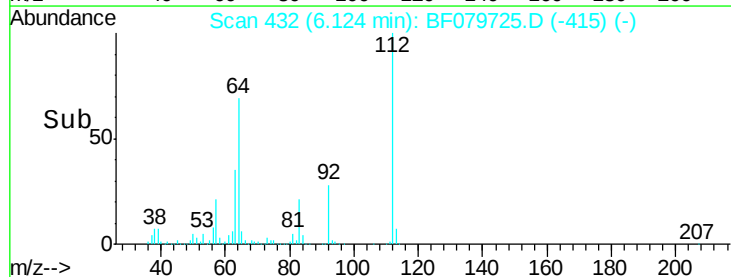
63 35.4 24.9 37.3

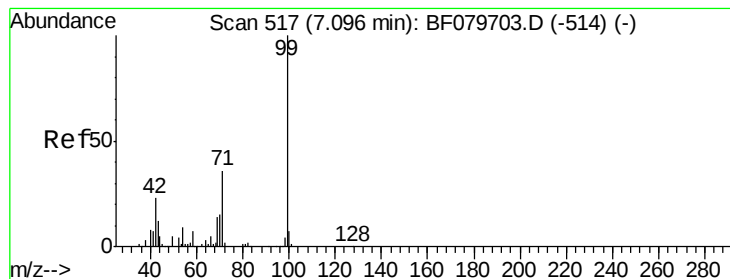


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.96 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.01 min

Lab File: BF079725.D

Acq: 5 Jun 2015 4:14

Instrument :

BNA_F

ClientSampleId :

C-5

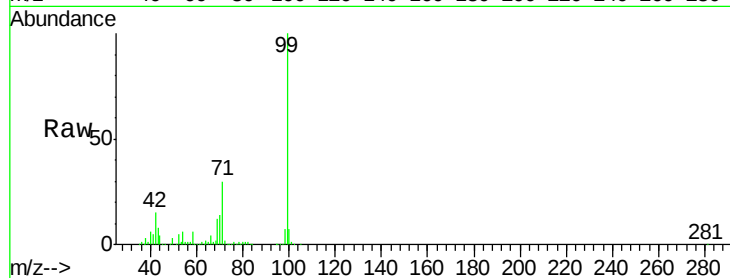
Tgt Ion: 99 Resp: 892990

Ion Ratio Lower Upper

99 100

42 15.3 18.0 27.0#

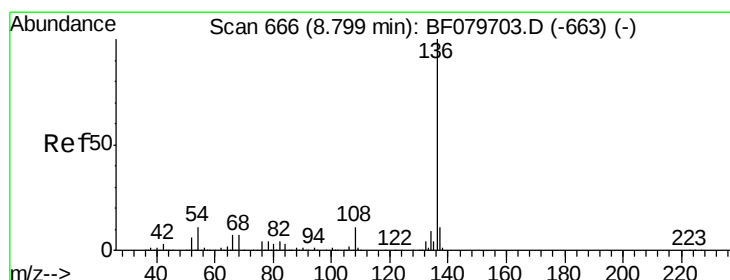
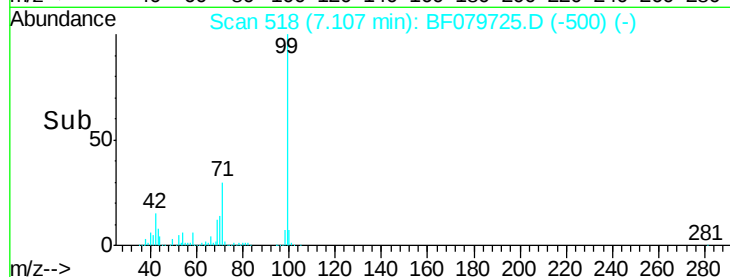
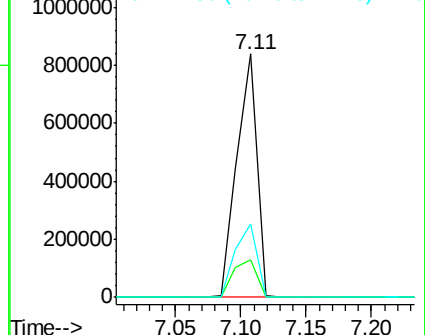
71 29.9 28.4 42.6



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: BF079725.D

Acq: 5 Jun 2015 4:14

Tgt Ion: 136 Resp: 387007

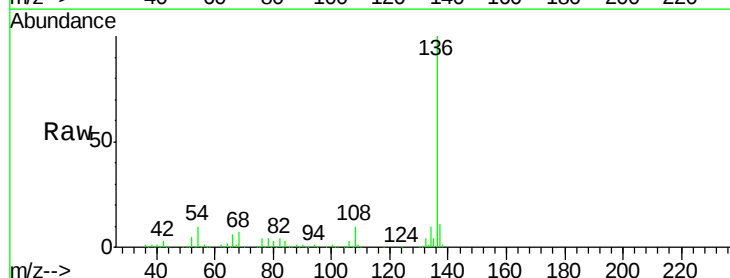
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 9.5 8.7 13.1

68 7.2 5.8 8.8

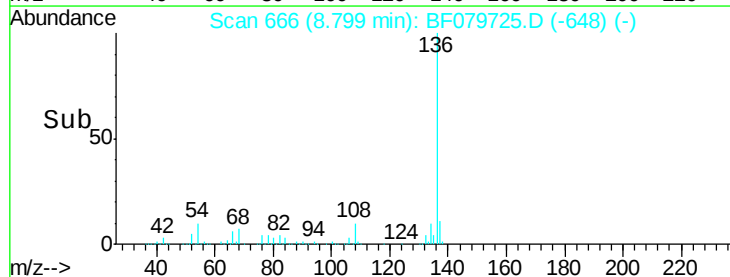
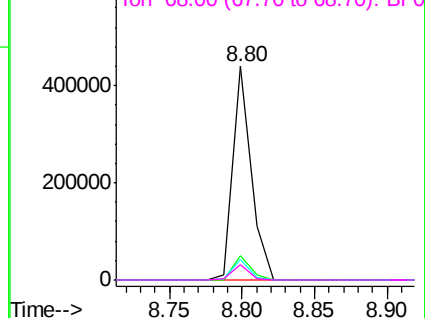


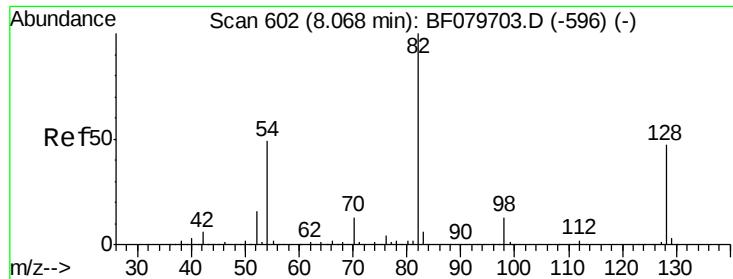
Abundance Ion 136.00 (135.70 to 136.70): E

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

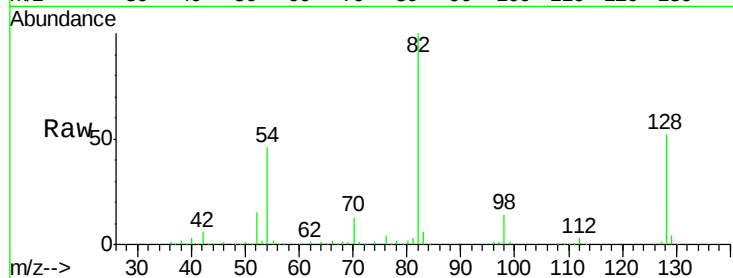




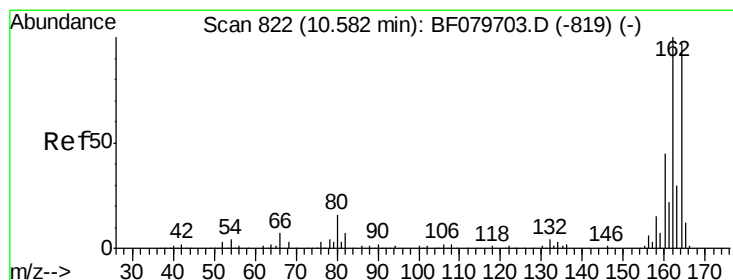
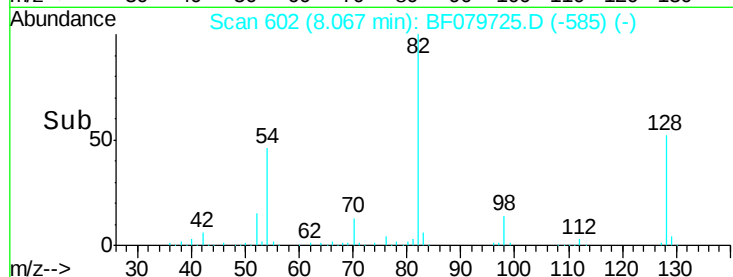
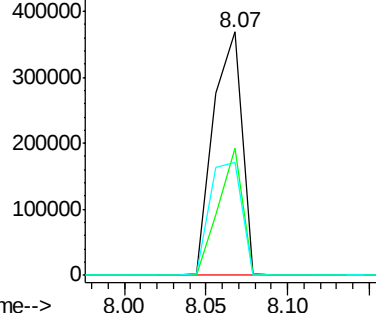
#23
 Nitrobenzene-d5
 Concen: 70.37 ng
 RT: 8.07 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: BF079725.D
 Acq: 5 Jun 2015 4:14

Instrument :
 BNA_F
 ClientSampled :
 C-5

Tgt Ion: 82 Resp: 447320
 Ion Ratio Lower Upper
 82 100
 128 52.0 37.6 56.4
 54 46.3 39.4 59.2

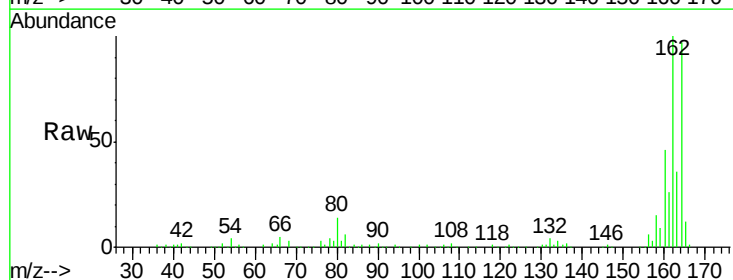


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

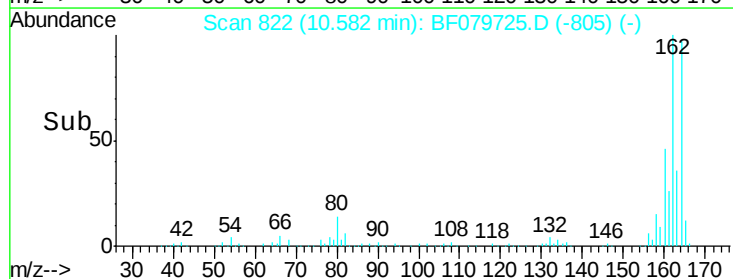
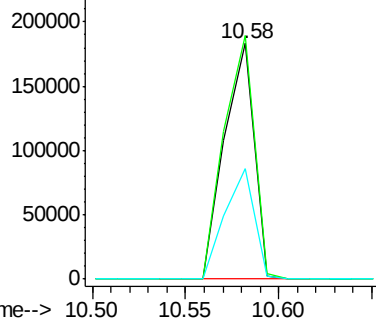


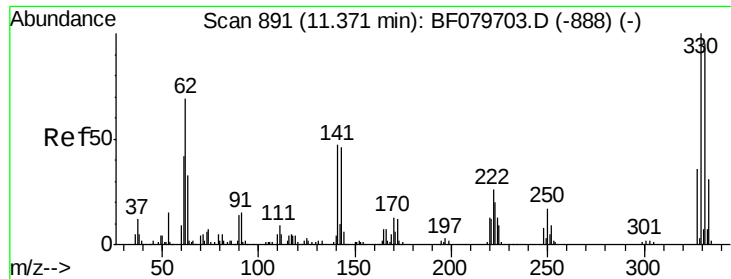
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.58 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF079725.D
 Acq: 5 Jun 2015 4:14

Tgt Ion: 164 Resp: 201882
 Ion Ratio Lower Upper
 164 100
 162 103.2 82.6 123.8
 160 47.1 36.8 55.2



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

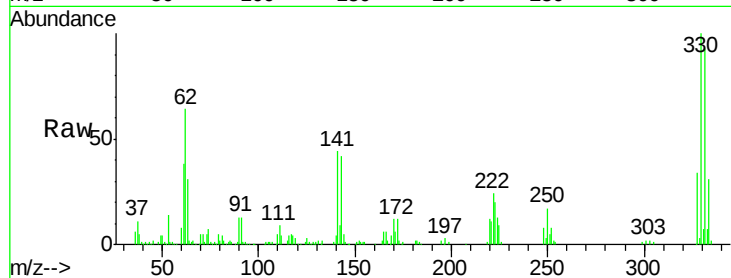




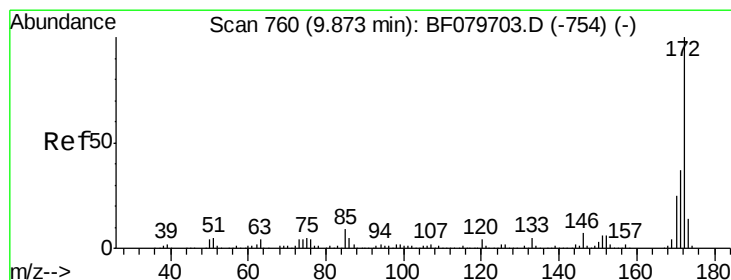
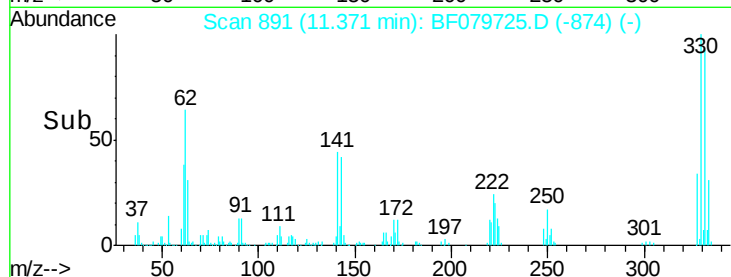
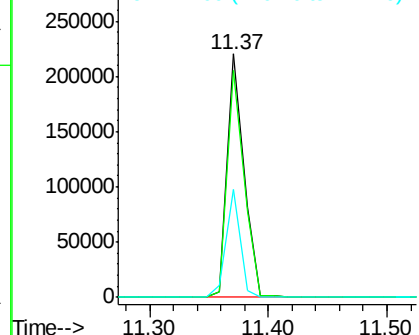
#41
 2,4,6-Tribromophenol
 Concen: 117.85 ng
 RT: 11.37 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF079725.D
 Acq: 5 Jun 2015 4:14

Instrument :
 BNA_F
 ClientSampled :
 C-5

Tgt Ion:330 Resp: 213657
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.4 116.0
 141 37.3 30.2 45.2

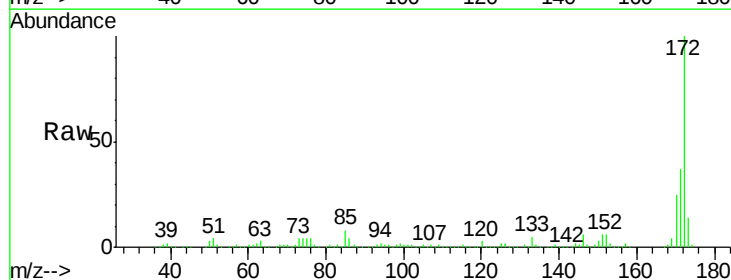


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

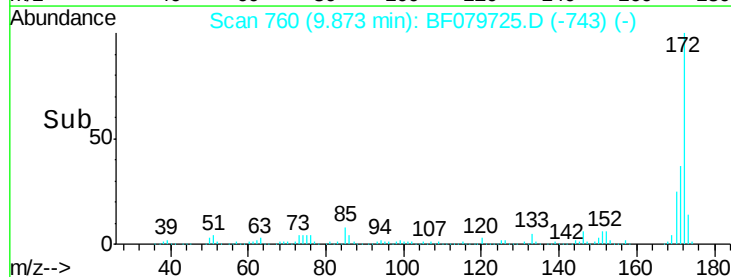
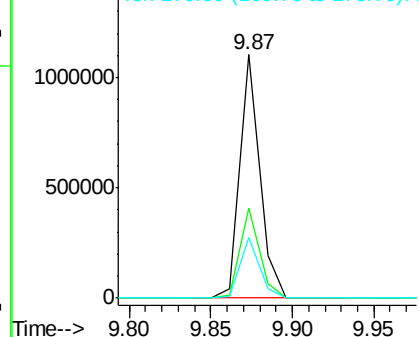


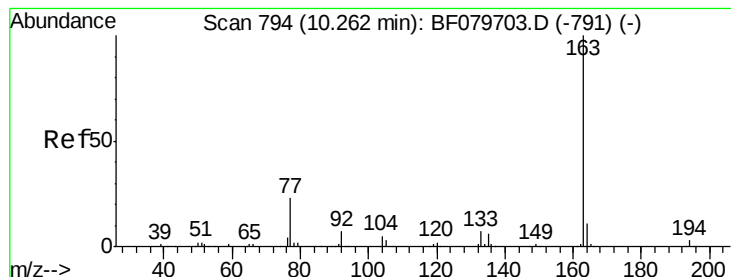
#44
 2-Fluorobiphenyl
 Concen: 66.20 ng
 RT: 9.87 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF079725.D
 Acq: 5 Jun 2015 4:14

Tgt Ion:172 Resp: 923111
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.4 44.0
 170 24.8 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: 7.98 ng

RT: 10.26 min Scan# 794

Delta R.T. 0.00 min

Lab File: BF079725.D

Acq: 5 Jun 2015 4:14

Instrument :

BNA_F

ClientSampleId :

C-5

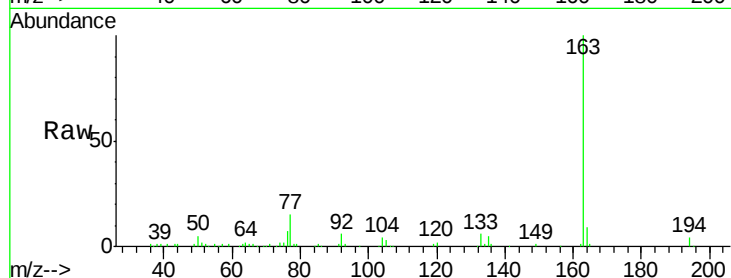
Tgt Ion:163 Resp: 124088

Ion Ratio Lower Upper

163 100

194 3.8 2.6 3.8

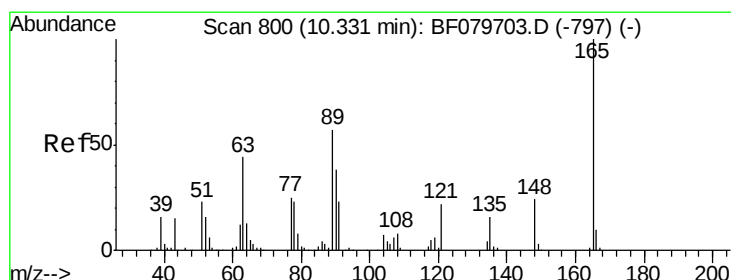
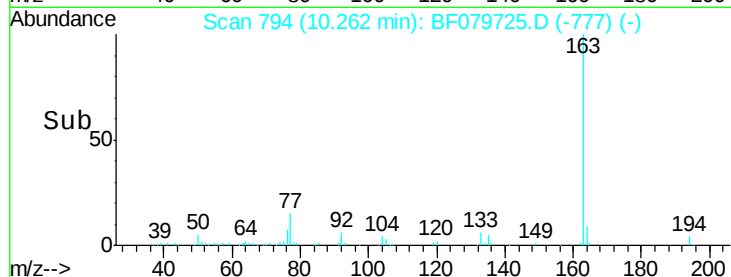
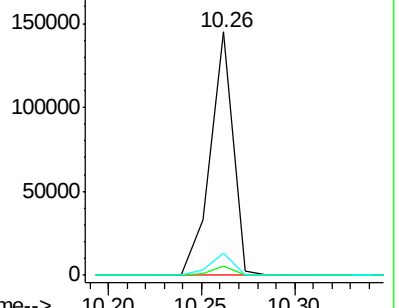
164 9.2 8.5 12.7



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: 3.47 ng

RT: 10.26 min Scan# 794

Delta R.T. -0.07 min

Lab File: BF079725.D

Acq: 5 Jun 2015 4:14

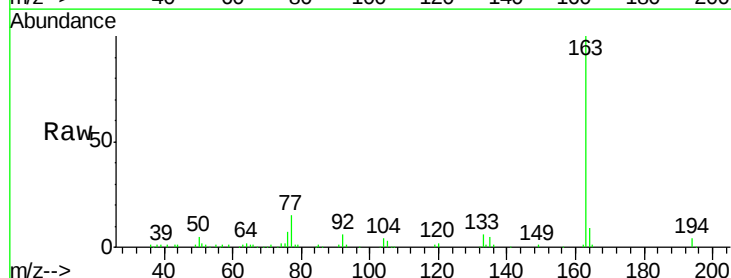
Tgt Ion:165 Resp: 1296

Ion Ratio Lower Upper

165 100

63 112.1 45.2 67.8#

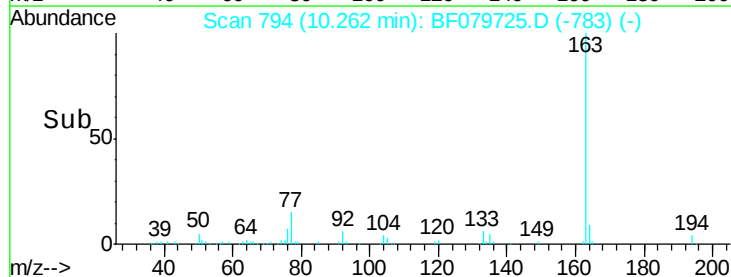
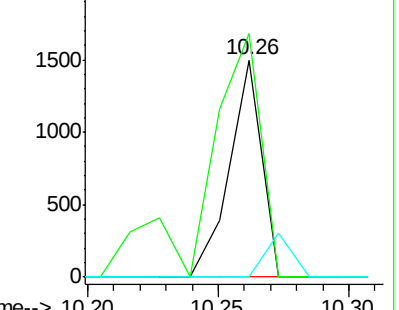
89 0.0 45.9 68.9#

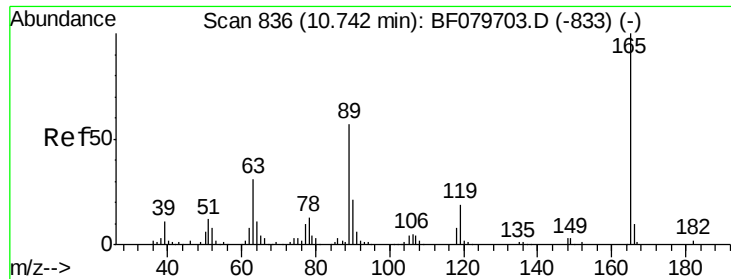


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

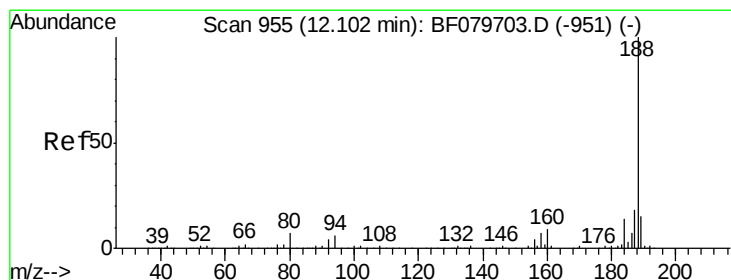
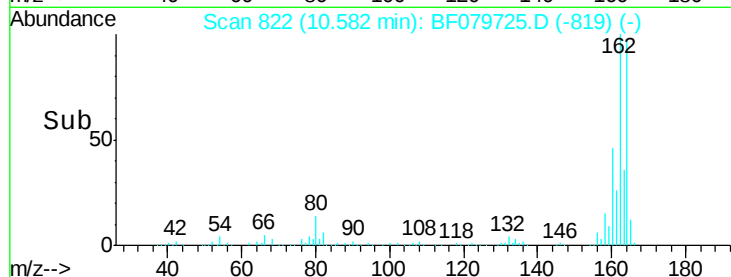
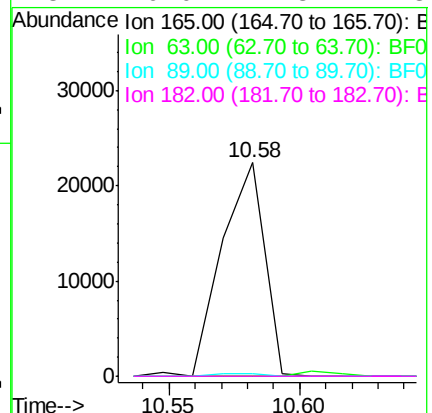
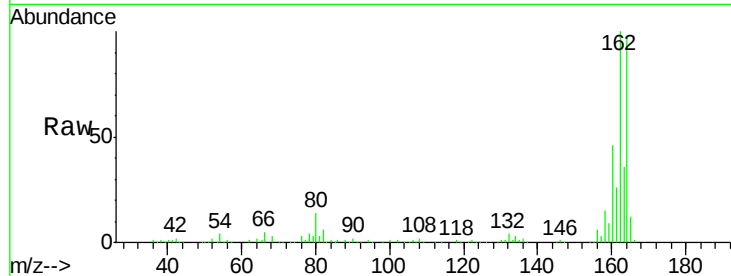




#56
 2,4-Dinitrotoluene
 Concen: 7.77 ng
 RT: 10.58 min Scan# 822
 Delta R.T. -0.16 min
 Lab File: BF079725.D
 Acq: 5 Jun 2015 4:14

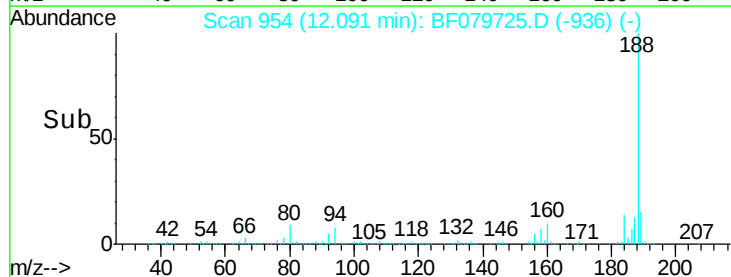
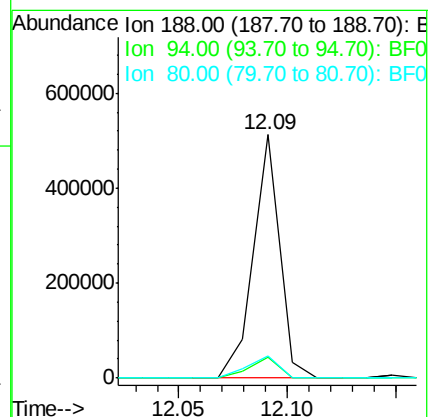
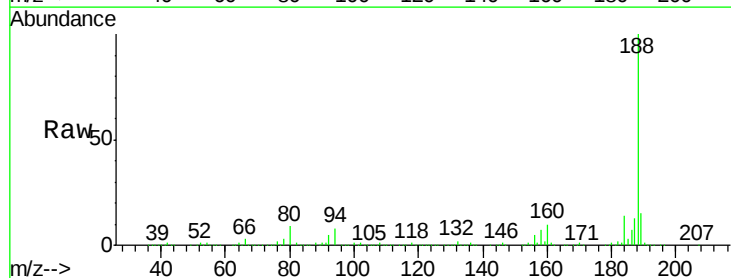
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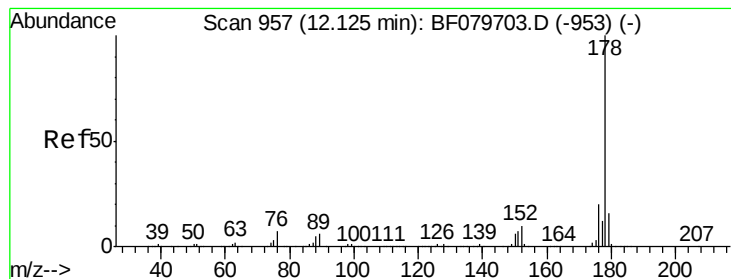
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	24.7	37.1#
89	1.4	45.7	68.5#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.09 min Scan# 954
 Delta R.T. 0.01 min
 Lab File: BF079725.D
 Acq: 5 Jun 2015 4:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	5.0	7.4#
80	9.2	5.3	7.9#





#70

Phenanthrene

Concen: 11.69 ng

RT: 12.11 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF079725.D

Acq: 5 Jun 2015 4:14

Instrument :

BNA_F

ClientSampled :

C-5

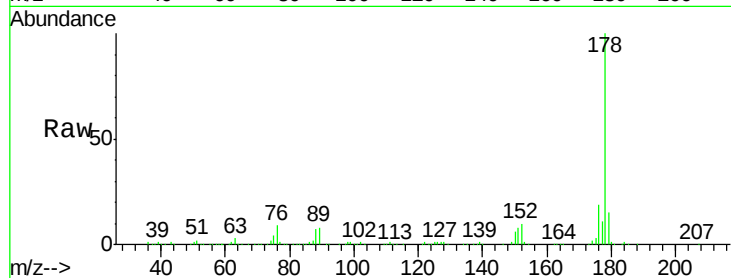
Tgt Ion:178 Resp: 293738

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

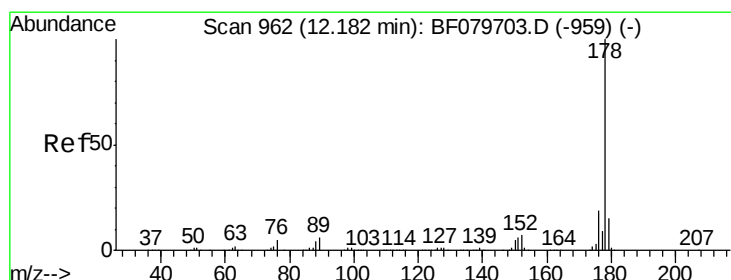
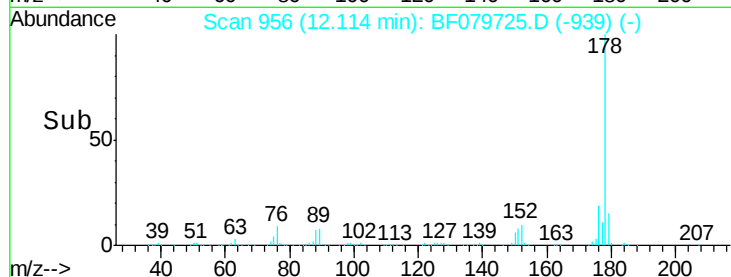
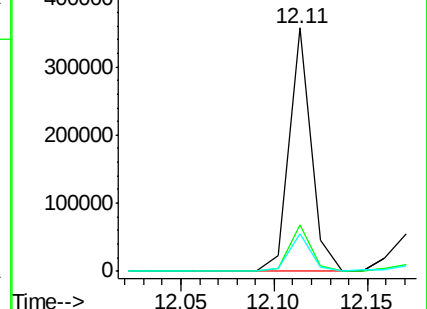
179 15.4 12.6 19.0



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: 2.15 ng

RT: 12.17 min Scan# 961

Delta R.T. 0.01 min

Lab File: BF079725.D

Acq: 5 Jun 2015 4:14

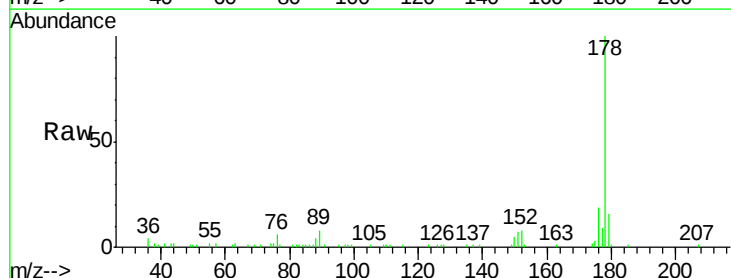
Tgt Ion:178 Resp: 53459

Ion Ratio Lower Upper

178 100

176 19.2 14.8 22.2

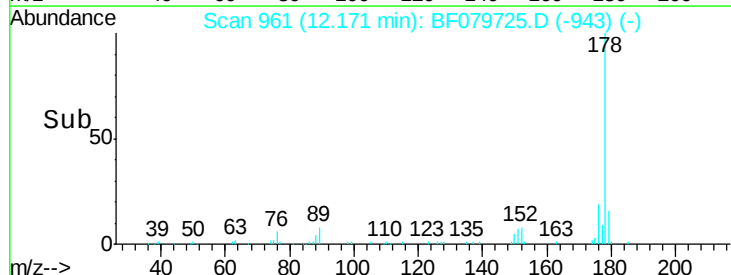
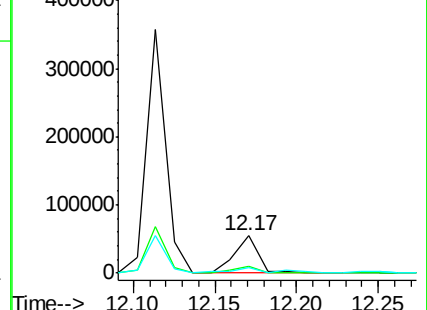
179 16.1 12.2 18.2

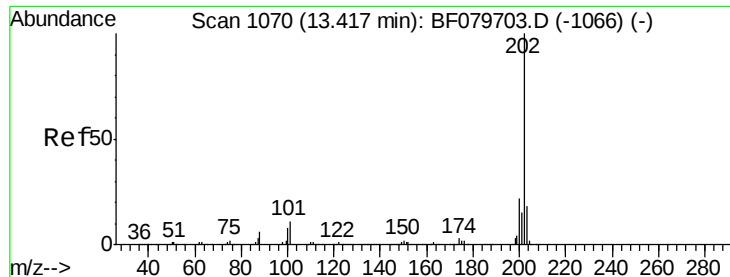


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

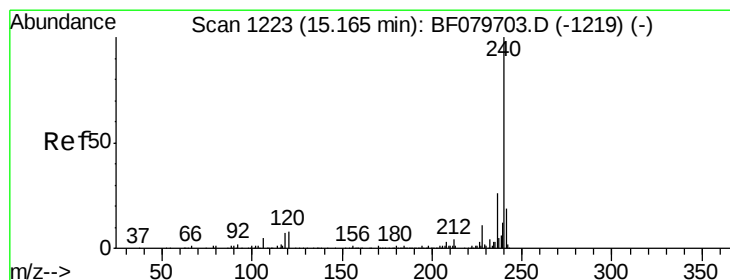
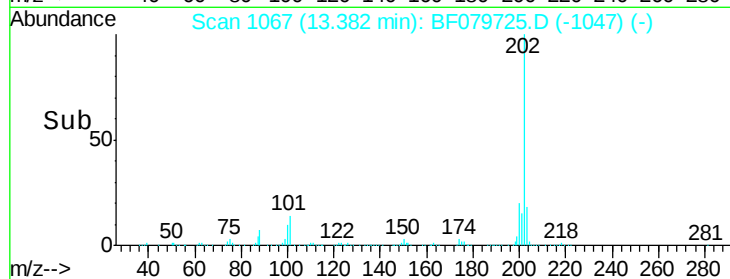
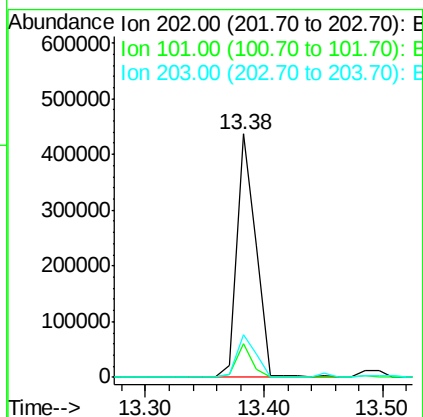
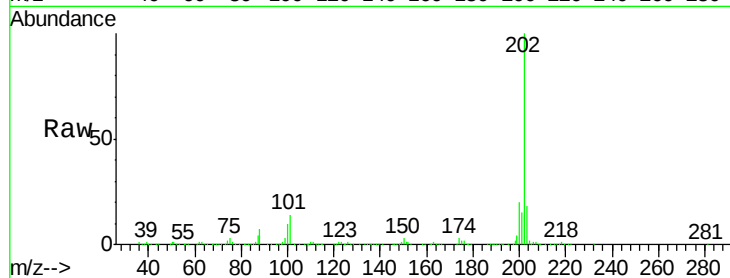




#74
 Fluoranthene
 Concen: 17.68 ng
 RT: 13.38 min Scan# 1067
 Delta R.T. 0.03 min
 Lab File: BF079725.D
 Acq: 5 Jun 2015 4:14

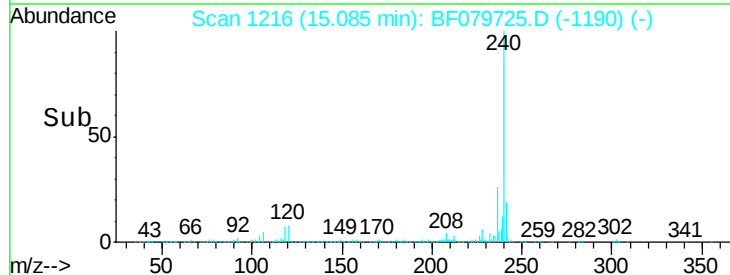
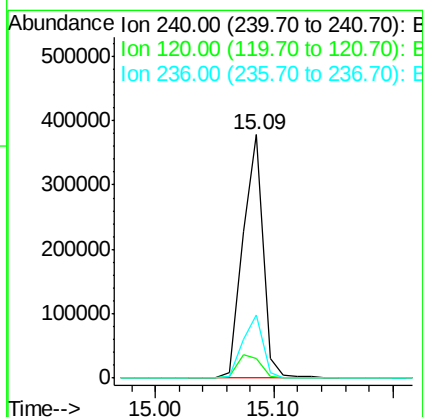
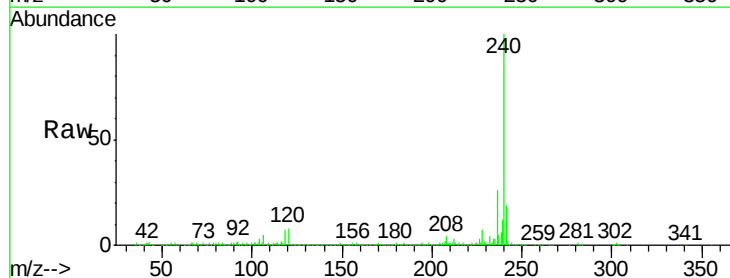
Instrument :
 BNA_F
 ClientSampleID :
 C-5

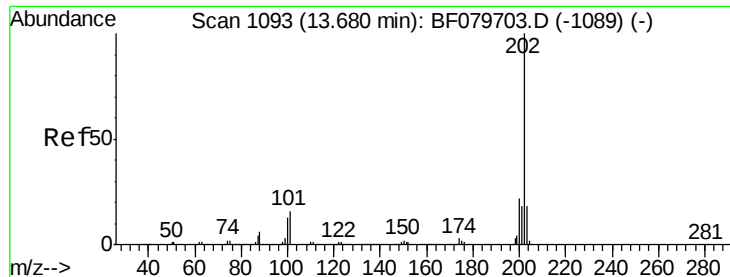
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	31.3
203	17.6	0.0	38.4



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1216
 Delta R.T. 0.10 min
 Lab File: BF079725.D
 Acq: 5 Jun 2015 4:14

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.2	9.2
236	25.8	21.0	31.4

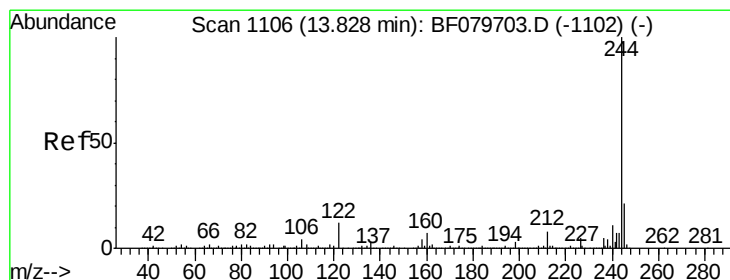
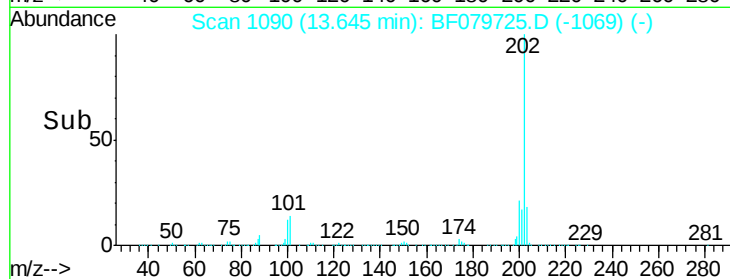
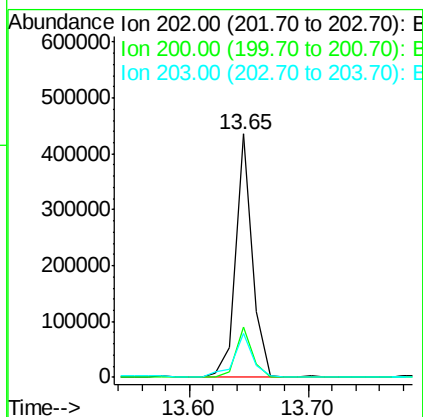
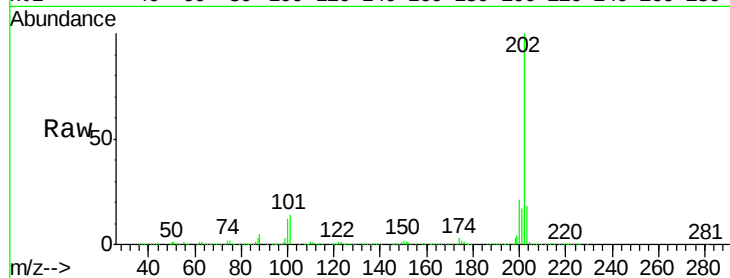




#77
 Pyrene
 Concen: 15.16 ng
 RT: 13.65 min Scan# 1090
 Delta R.T. 0.05 min
 Lab File: BF079725.D
 Acq: 5 Jun 2015 4:14

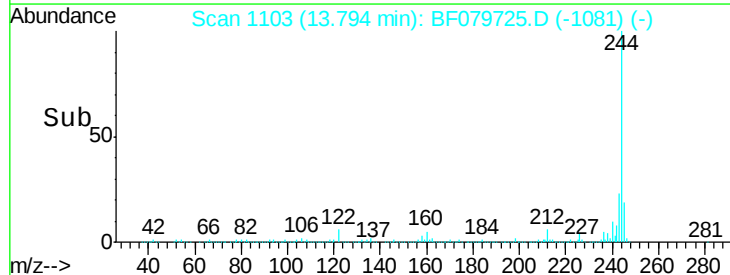
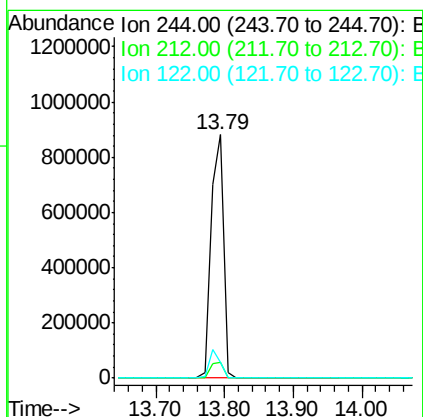
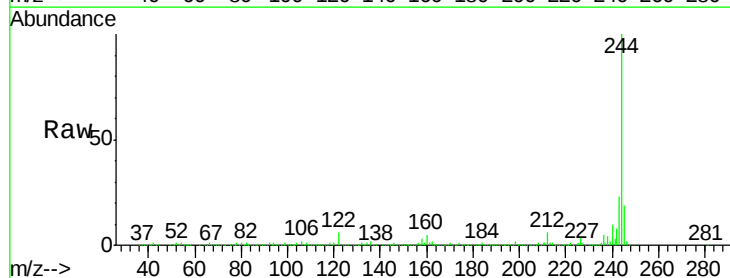
Instrument :
 BNA_F
 ClientSampled :
 C-5

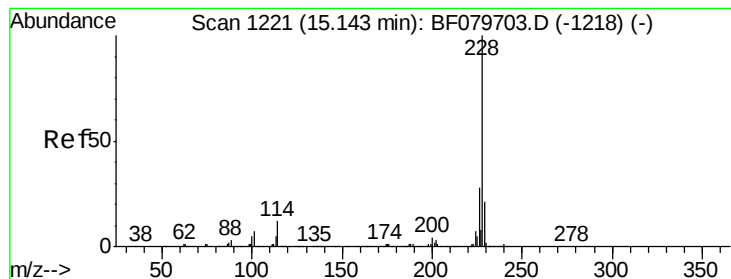
Tgt Ion: 202 Resp: 423721
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.5 26.3
 203 17.9 14.8 22.2



#78
 Terphenyl-d14
 Concen: 58.72 ng
 RT: 13.79 min Scan# 1103
 Delta R.T. 0.06 min
 Lab File: BF079725.D
 Acq: 5 Jun 2015 4:14

Tgt Ion: 244 Resp: 1120739
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.1 9.1
 122 6.3 9.3 13.9#





#80

Benzo(a)anthracene

Concen: 7.77 ng

RT: 15.06 min Scan# 1214

Delta R.T. 0.09 min

Lab File: BF079725.D

Acq: 5 Jun 2015 4:14

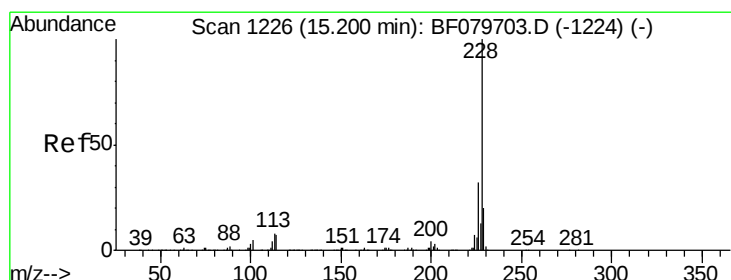
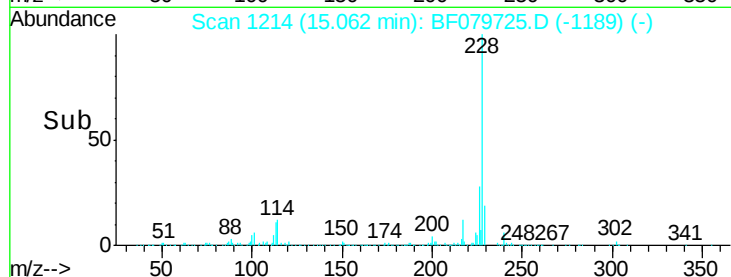
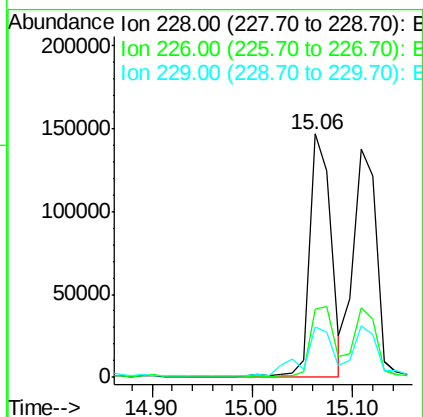
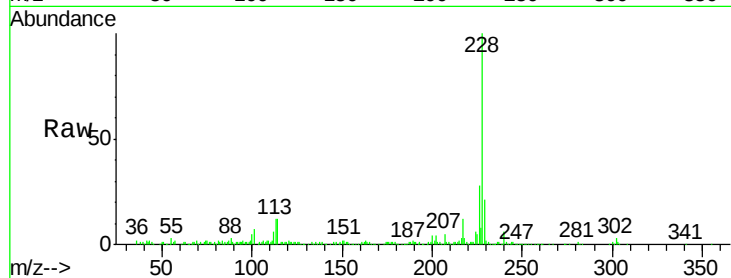
Instrument :

BNA_F

ClientSampleId :

C-5

Tgt Ion:	228	Resp:	213516
Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.4
229	20.6	16.6	25.0



#82

Chrysene

Concen: 8.49 ng

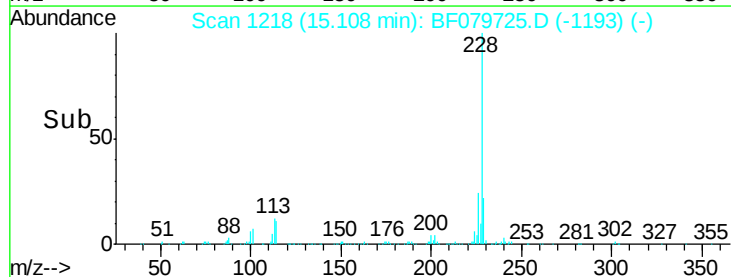
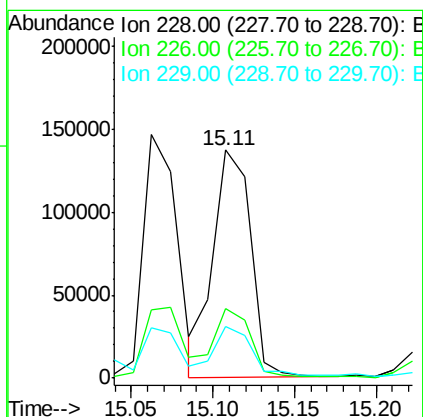
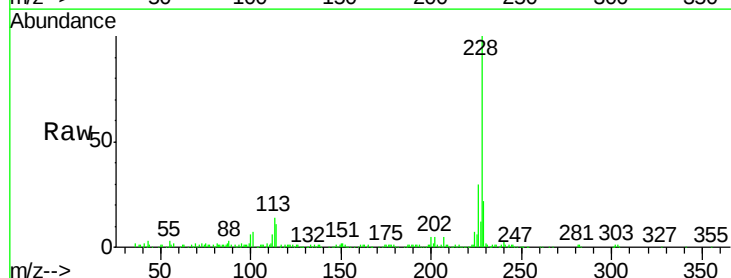
RT: 15.11 min Scan# 1218

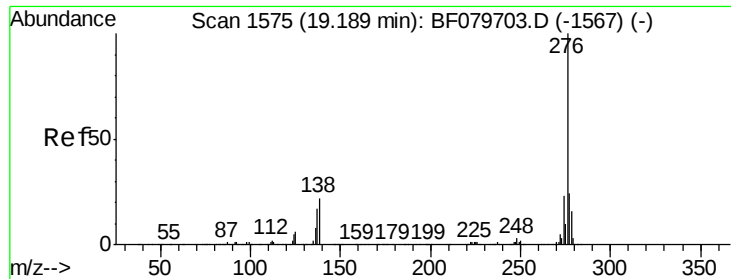
Delta R.T. 0.09 min

Lab File: BF079725.D

Acq: 5 Jun 2015 4:14

Tgt Ion:	228	Resp:	218471
Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.2	37.8
229	22.4	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.84 ng

RT: 19.06 min Scan# 1564

Delta R.T. 0.14 min

Lab File: BF079725.D

Acq: 5 Jun 2015 4:14

Instrument :

BNA_F

ClientSampleId :

C-5

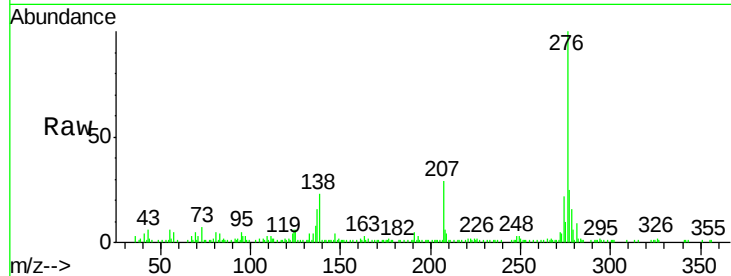
Tgt Ion:276 Resp: 140484

Ion Ratio Lower Upper

276 100

138 23.4 20.8 31.2

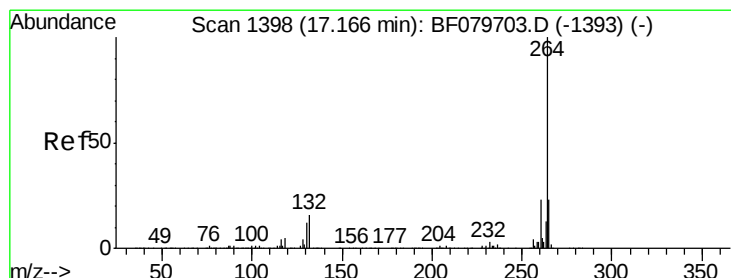
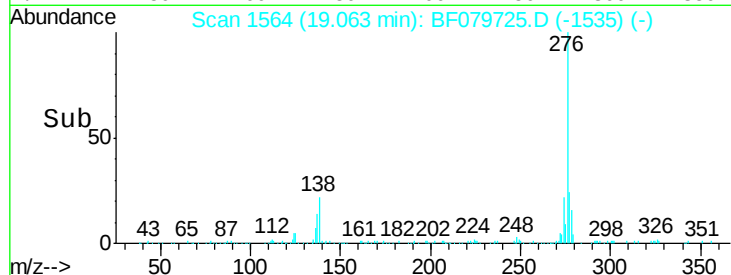
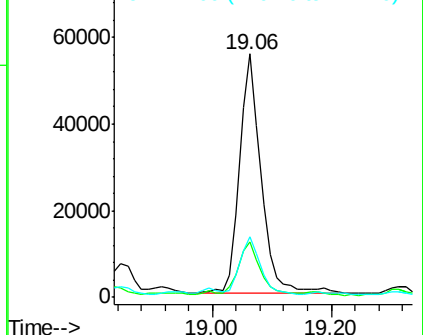
277 22.6 20.0 30.0



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: 17.05 min Scan# 1388

Delta R.T. 0.14 min

Lab File: BF079725.D

Acq: 5 Jun 2015 4:14

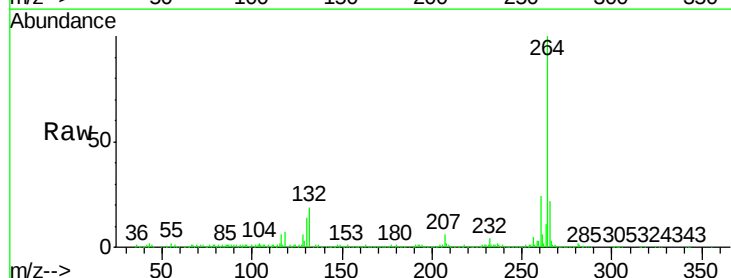
Tgt Ion:264 Resp: 447935

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

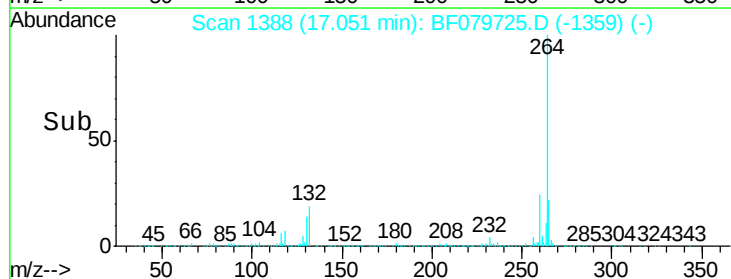
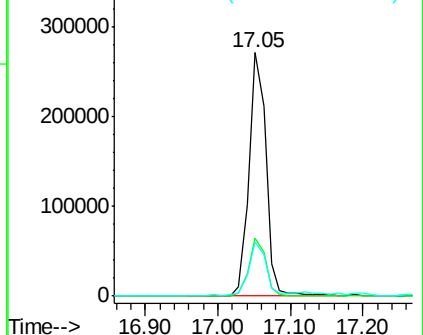
265 22.2 18.2 27.4

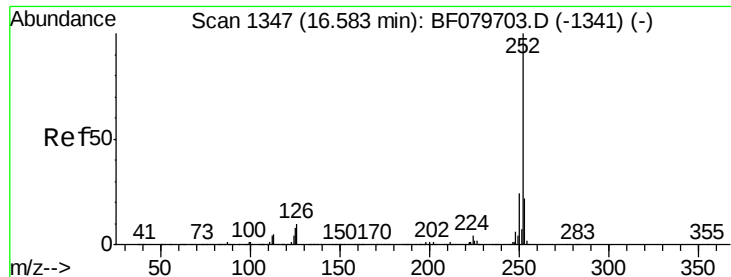


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

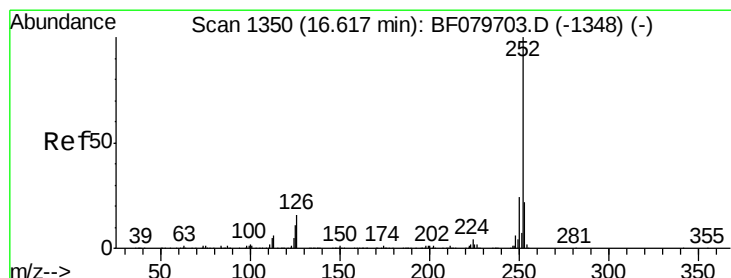
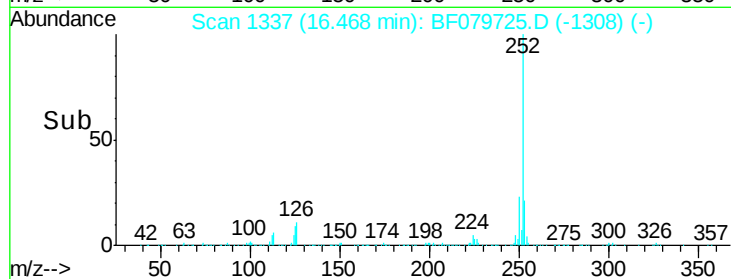
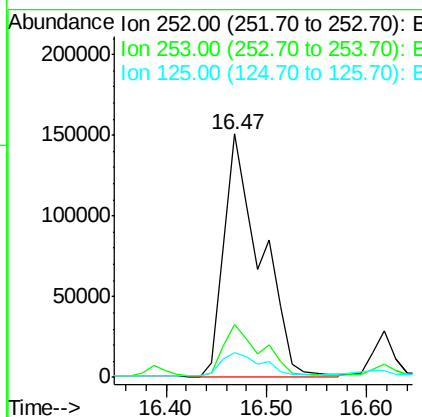
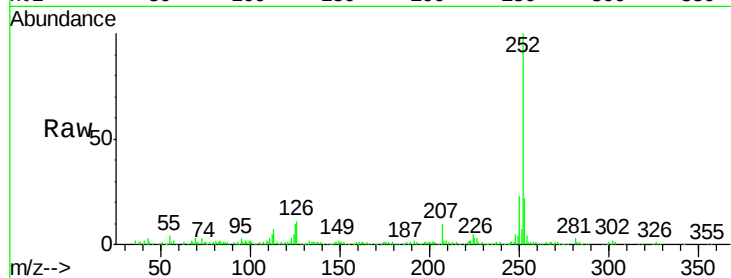




#87
Benzo(b)fluoranthene
Concen: 13.17 ng
RT: 16.47 min Scan# 1337
Delta R.T. 0.14 min
Lab File: BF079725.D
Acq: 5 Jun 2015 4:14

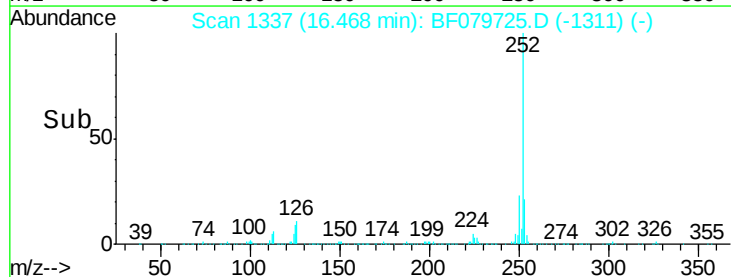
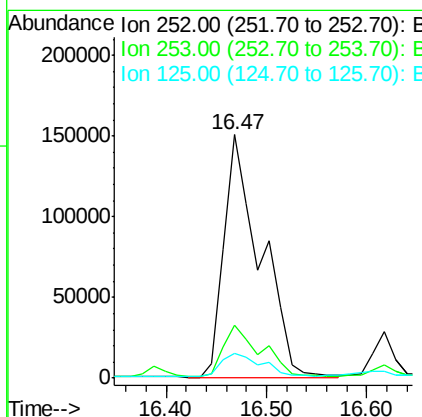
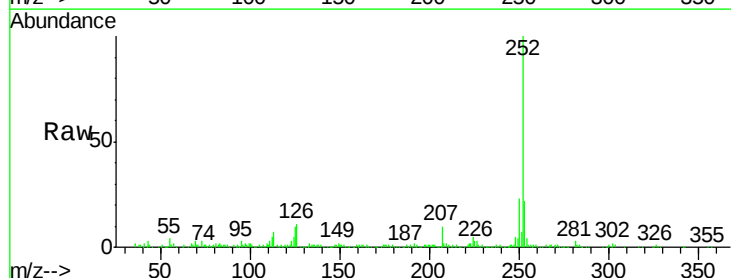
Instrument :
BNA_F
ClientSampleId :
C-5

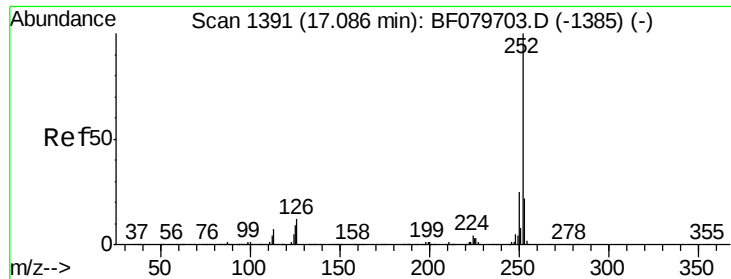
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	10.0	6.5	9.7#



#88
Benzo(k)fluoranthene
Concen: 13.80 ng
RT: 16.47 min Scan# 1337
Delta R.T. 0.09 min
Lab File: BF079725.D
Acq: 5 Jun 2015 4:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	10.0	8.4	12.6





#89

Benzo(a)pyrene

Concen: 7.07 ng

RT: 16.97 min Scan# 1381

Delta R.T. 0.14 min

Lab File: BF079725.D

Acq: 5 Jun 2015 4:14

Instrument :

BNA_F

ClientSampled :

C-5

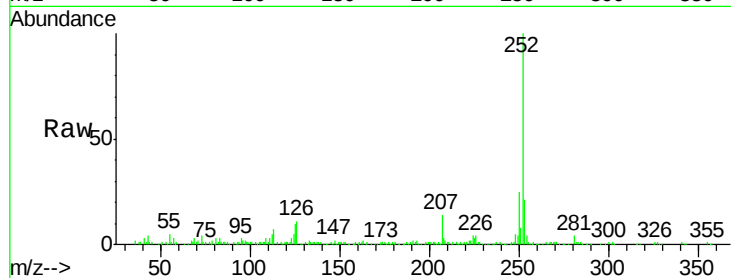
Tgt Ion:252 Resp: 186658

Ion Ratio Lower Upper

252 100

253 21.1 17.6 26.4

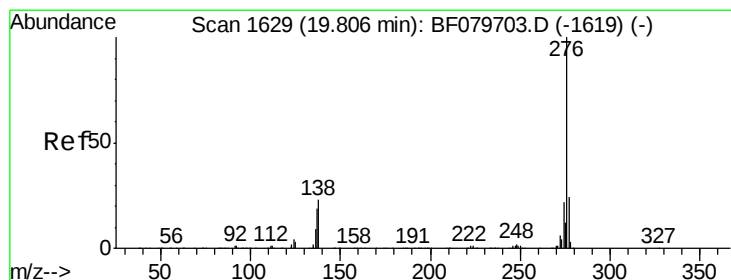
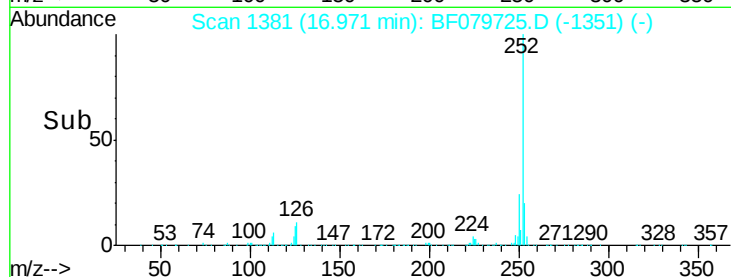
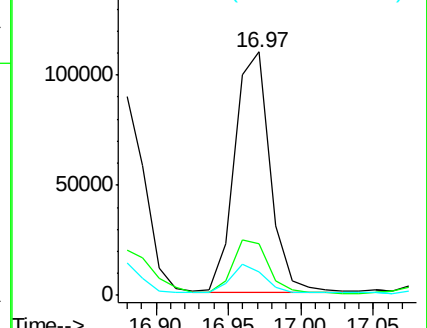
125 9.7 7.4 11.0



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



#91

Benzo(g,h,i)perylene

Concen: 5.39 ng

RT: 19.67 min Scan# 1617

Delta R.T. 0.14 min

Lab File: BF079725.D

Acq: 5 Jun 2015 4:14

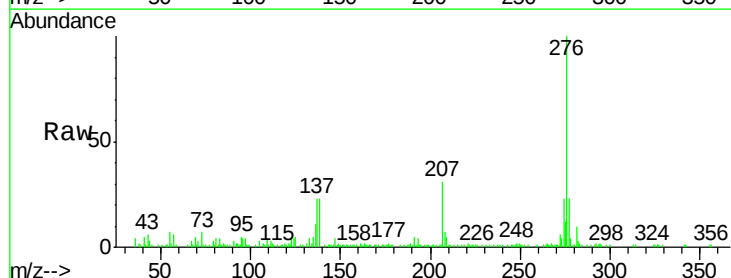
Tgt Ion:276 Resp: 134441

Ion Ratio Lower Upper

276 100

277 22.8 18.8 28.2

138 23.3 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

