

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
 Data File : BF079723.D
 Acq On : 5 Jun 2015 3:16
 Operator : TP/IZ
 Sample : G2474-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-2

Quant Time: Jun 06 03:33:19 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

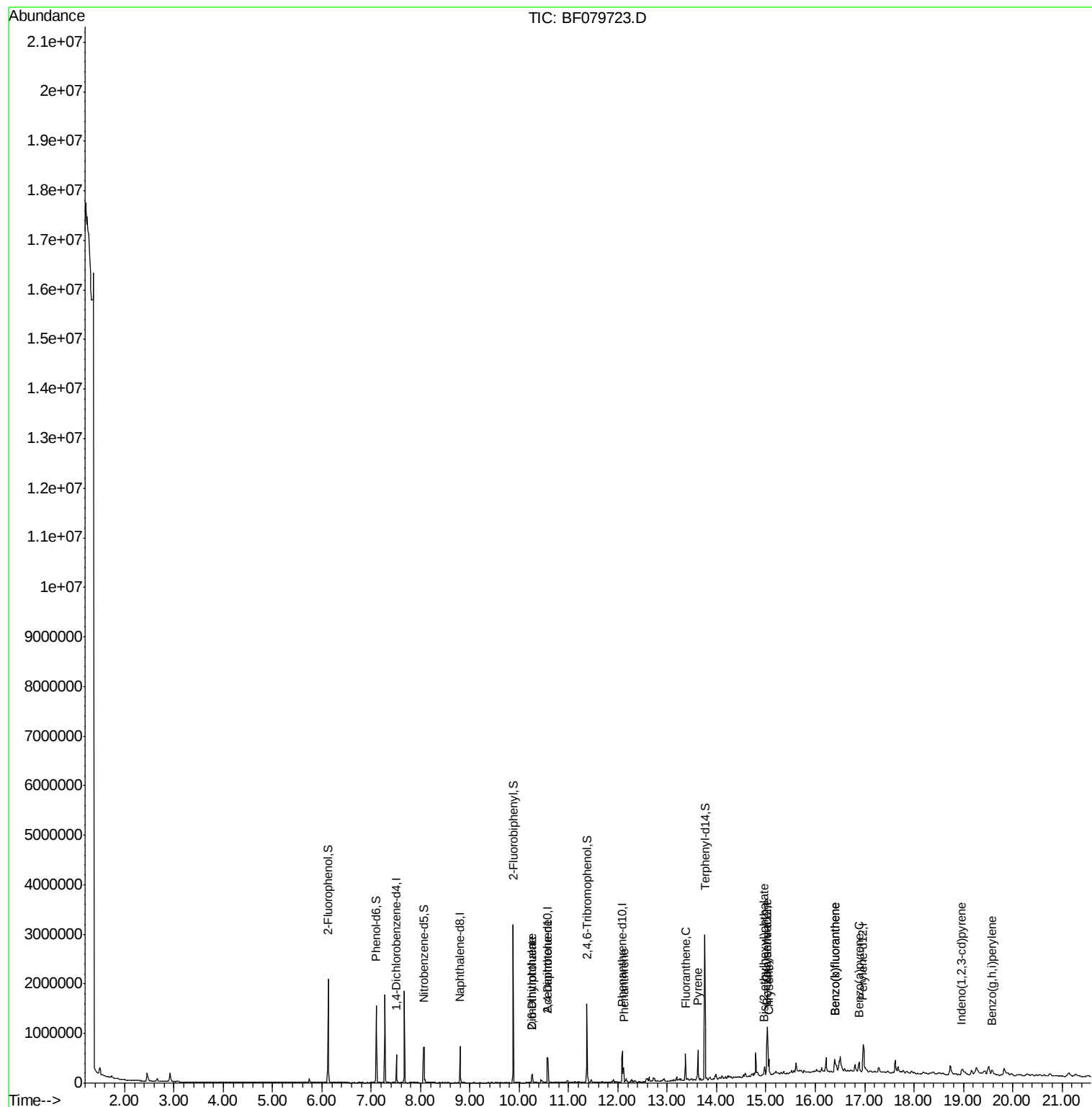
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	76549	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	294549	20.00	ng	0.00
38) Acenaphthene-d10	10.57	164	148385	20.00	ng	-0.01
63) Phenanthrene-d10	12.09	188	312165	20.00	ng	0.01
75) Chrysene-d12	15.03	240	347263	20.00	ng	0.05
86) Perylene-d12	16.97	264	346876	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	498865	111.75	ng	0.00
7) Phenol-d6	7.10	99	646600	111.26	ng	0.00
23) Nitrobenzene-d5	8.07	82	337865	69.84	ng	0.00
41) 2,4,6-Tribromophenol	11.37	330	171757	128.90	ng	0.00
44) 2-Fluorobiphenyl	9.87	172	842270	82.18	ng	0.00
78) Terphenyl-d14	13.76	244	1011629	68.63	ng	0.02
Target Compounds						
49) Dimethylphthalate	10.26	163	86514	7.57	ng	# 98
50) 2,6-Dinitrotoluene	10.26	165	1062	3.51	ng	# 25
56) 2,4-Dinitrotoluene	10.57	165	18870	7.79	ng	# 32
70) Phenanthrene	12.11	178	129520	7.13	ng	98
74) Fluoranthene	13.37	202	268508	13.63	ng	96
77) Pyrene	13.62	202	249855	11.58	ng	98
80) Benzo(a)anthracene	15.02	228	152946	7.20	ng	97
82) Chrysene	15.06	228	134587	6.77	ng	98
83) Bis(2-ethylhexyl)phthalate	14.97	149	56386	4.32	ng	100
85) Indeno(1,2,3-cd)pyrene	18.97	276	100661	4.49	ng	98
87) Benzo(b)fluoranthene	16.40	252	264996	11.84	ng	# 98
88) Benzo(k)fluoranthene	16.40	252	264996	12.41	ng	99
89) Benzo(a)pyrene	16.89	252	128710	6.30	ng	99
91) Benzo(g,h,i)perylene	19.59	276	100458	5.20	ng	98

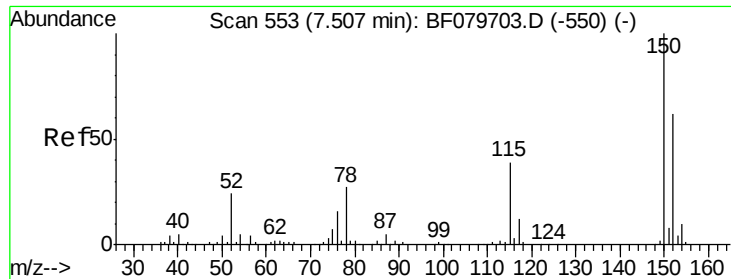
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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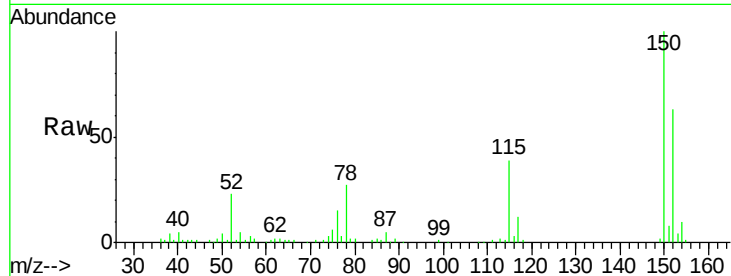




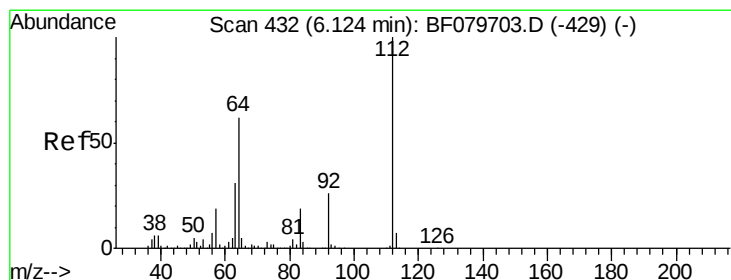
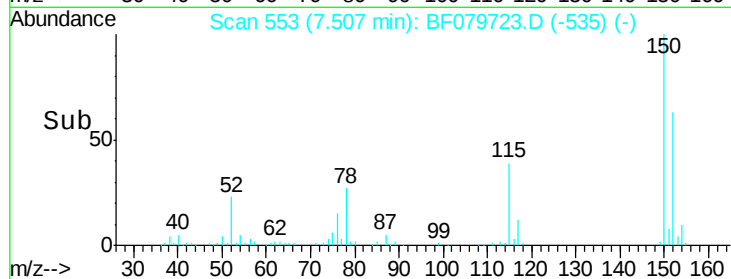
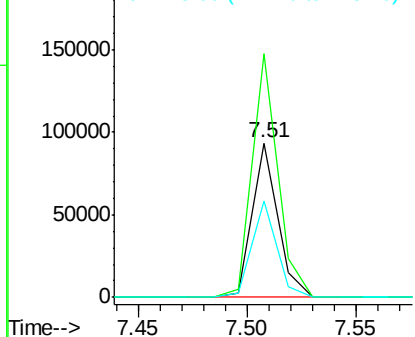
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.51 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

Instrument :
 BNA_F
 ClientSampleId :
 C-2

Tgt Ion:152 Resp: 76549
 Ion Ratio Lower Upper
 152 100
 150 157.7 128.1 192.1
 115 62.1 49.7 74.5

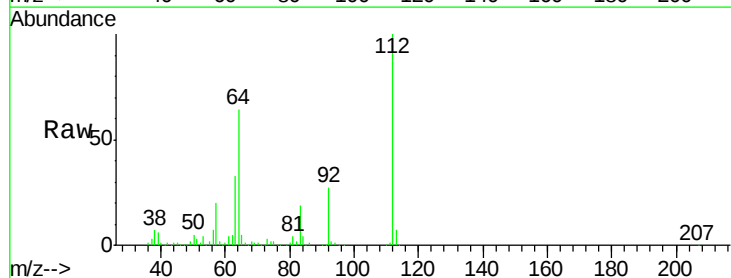


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

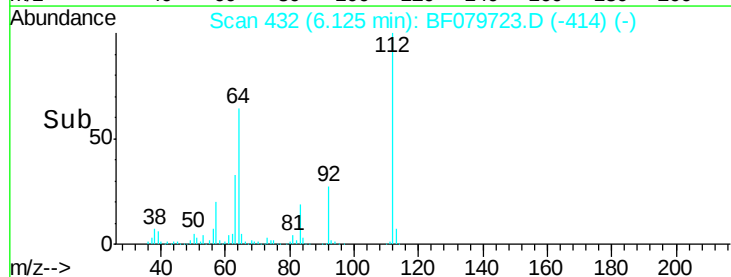
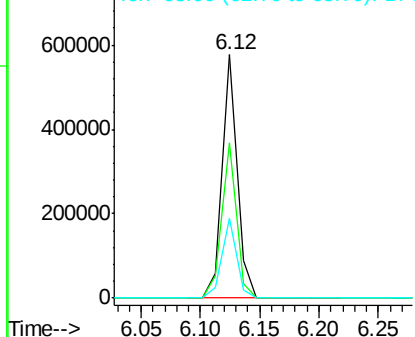


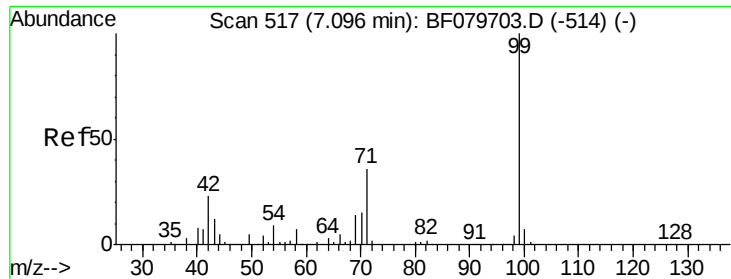
#5
 2-Fluorophenol
 Concen: 111.75 ng
 RT: 6.12 min Scan# 432
 Delta R.T. 0.00 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

Tgt Ion:112 Resp: 498865
 Ion Ratio Lower Upper
 112 100
 64 63.9 49.6 74.4
 63 32.7 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: 111.26 ng

RT: 7.10 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF079723.D

Acq: 5 Jun 2015 3:16

Instrument :

BNA_F

ClientSampleId :

C-2

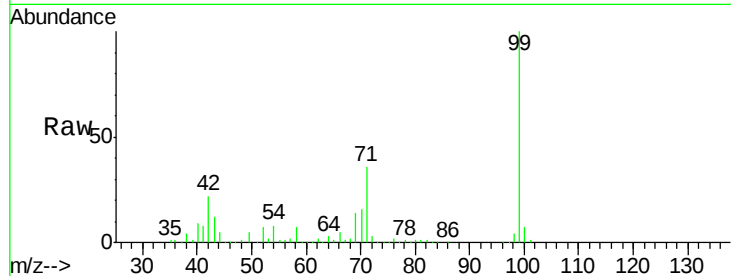
Tgt Ion: 99 Resp: 646600

Ion Ratio Lower Upper

99 100

42 22.0 18.0 27.0

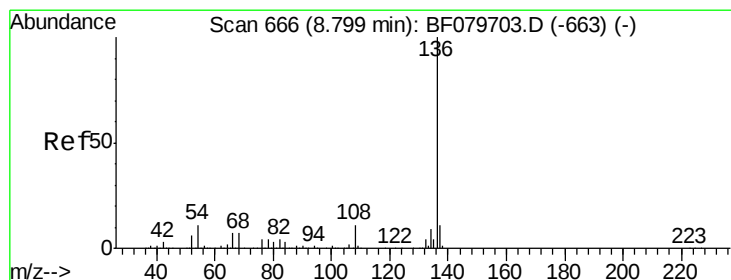
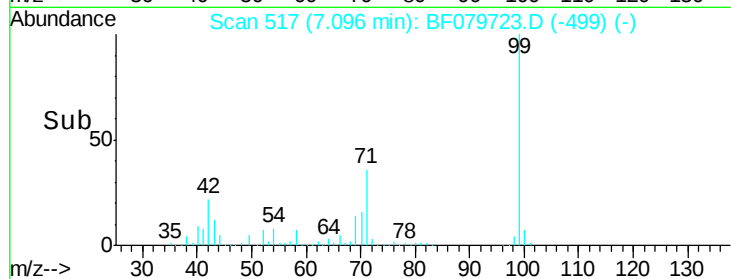
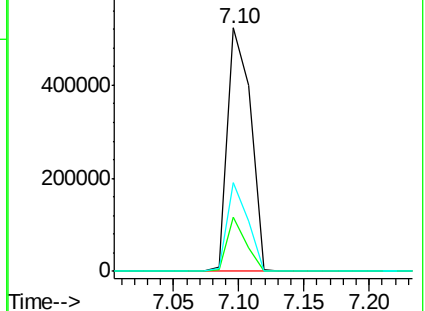
71 36.4 28.4 42.6



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: BF079723.D

Acq: 5 Jun 2015 3:16

Tgt Ion: 136 Resp: 294549

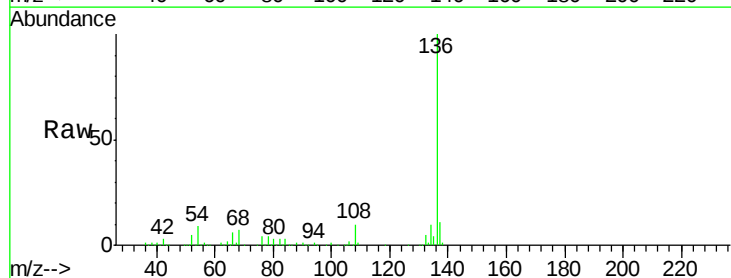
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.1 8.7 13.1

68 6.9 5.8 8.8

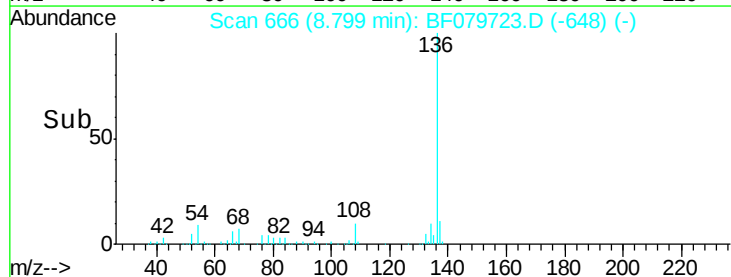
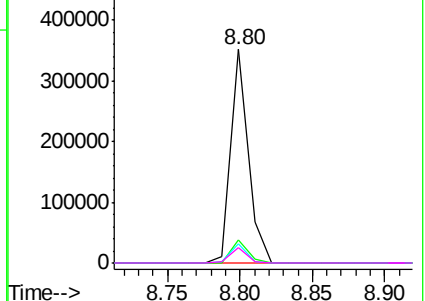


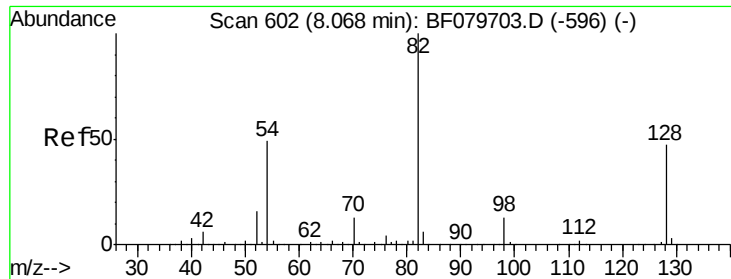
Abundance Ion 136.00 (135.70 to 136.70): E

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

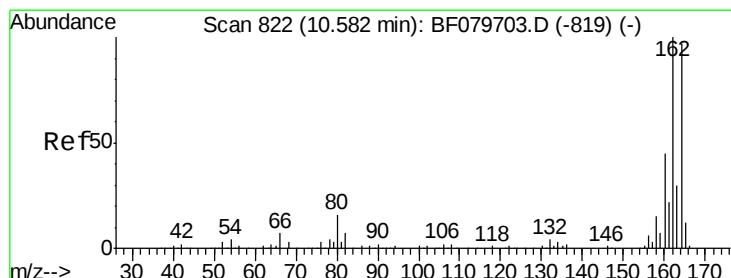
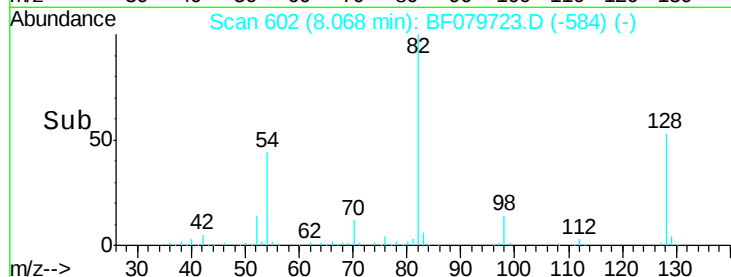
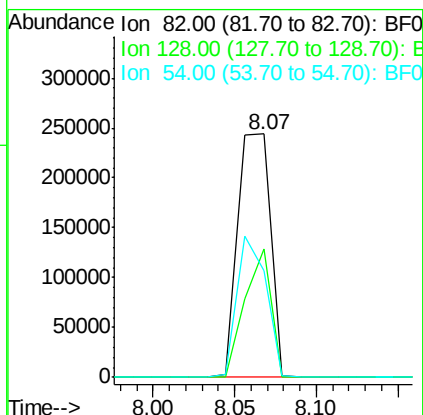
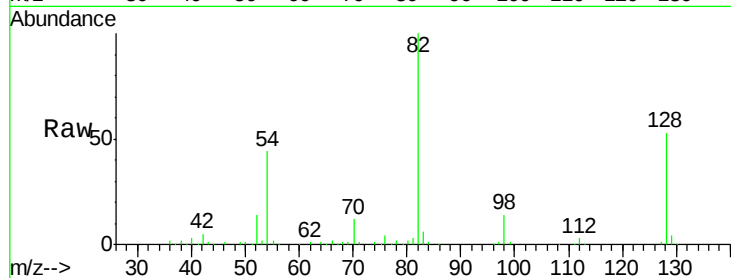




#23
 Nitrobenzene-d5
 Concen: 69.84 ng
 RT: 8.07 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

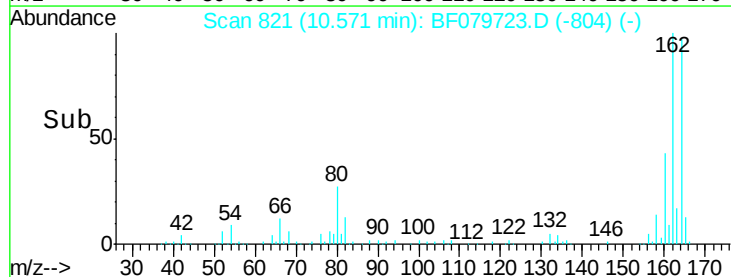
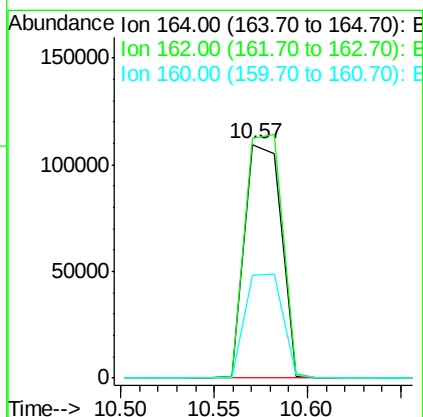
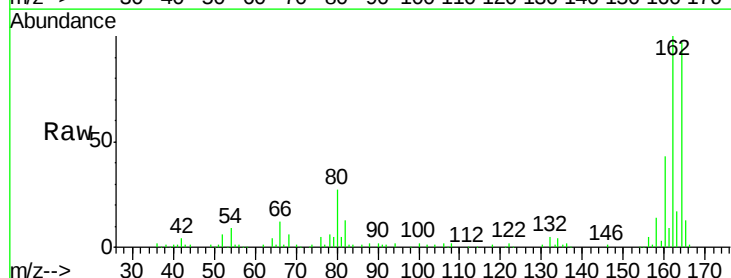
Instrument :
 BNA_F
 ClientSampleId :
 C-2

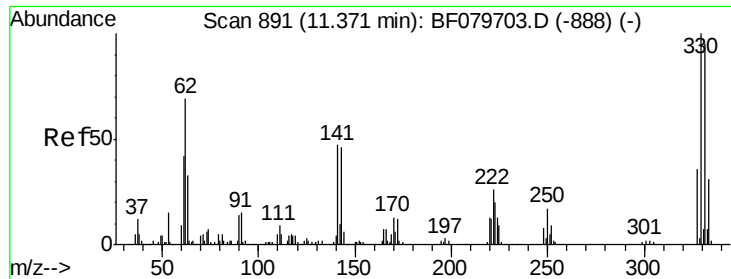
Tgt Ion: 82 Resp: 337865
 Ion Ratio Lower Upper
 82 100
 128 52.8 37.6 56.4
 54 43.8 39.4 59.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.57 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

Tgt Ion: 164 Resp: 148385
 Ion Ratio Lower Upper
 164 100
 162 102.7 82.6 123.8
 160 44.0 36.8 55.2

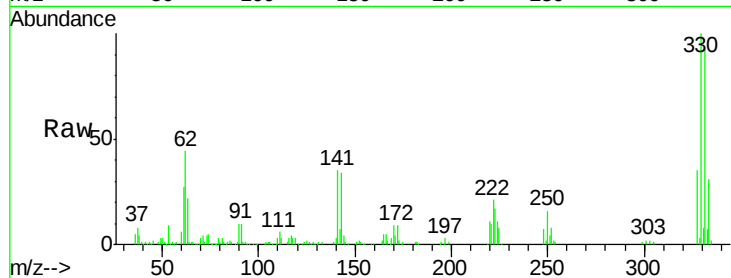




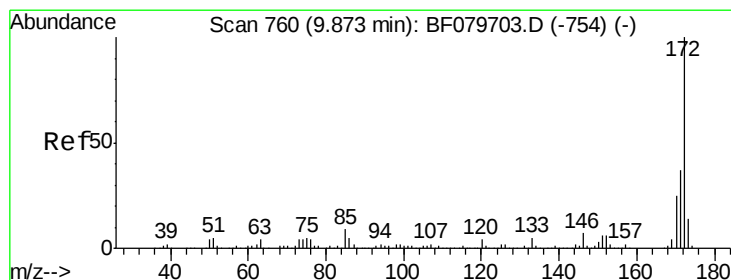
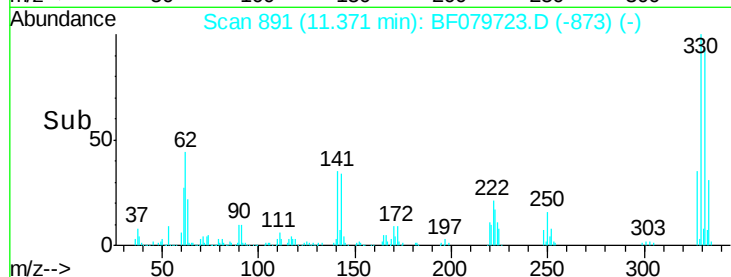
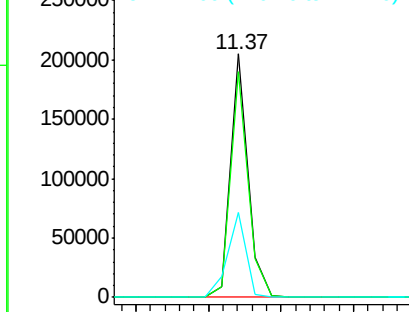
#41
 2,4,6-Tribromophenol
 Concen: 128.90 ng
 RT: 11.37 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

Instrument :
 BNA_F
 ClientSampled :
 C-2

Tgt Ion:330 Resp: 171757
 Ion Ratio Lower Upper
 330 100
 332 93.6 77.4 116.0
 141 37.0 30.2 45.2

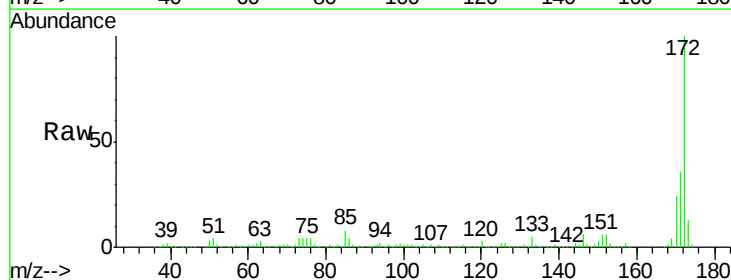


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

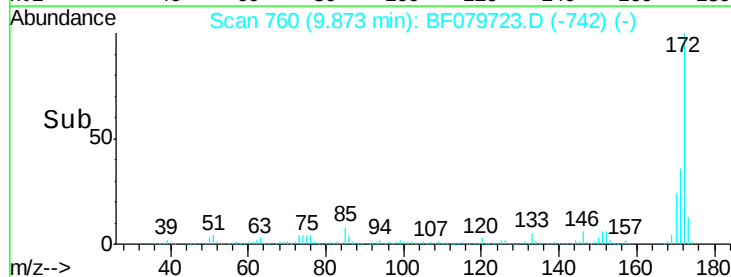
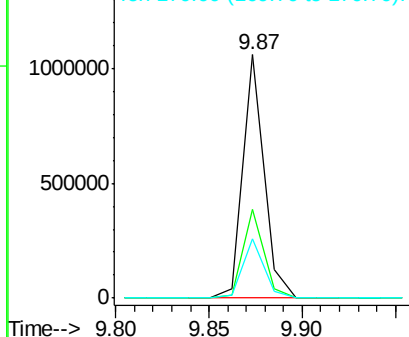


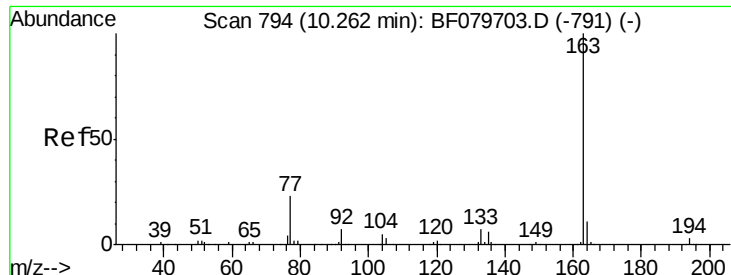
#44
 2-Fluorobiphenyl
 Concen: 82.18 ng
 RT: 9.87 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

Tgt Ion:172 Resp: 842270
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.3 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: 7.57 ng

RT: 10.26 min Scan# 794

Delta R.T. 0.00 min

Lab File: BF079723.D

Acq: 5 Jun 2015 3:16

Instrument :

BNA_F

ClientSampleId :

C-2

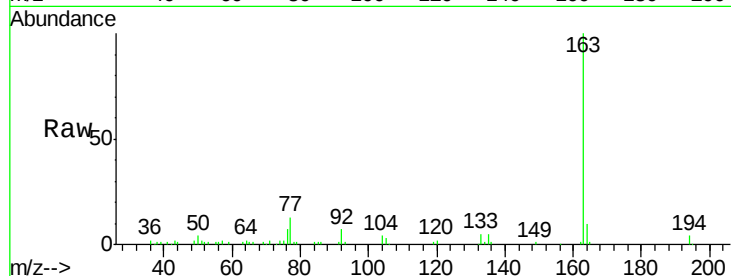
Tgt Ion:163 Resp: 86514

Ion Ratio Lower Upper

163 100

194 3.9 2.6 3.8#

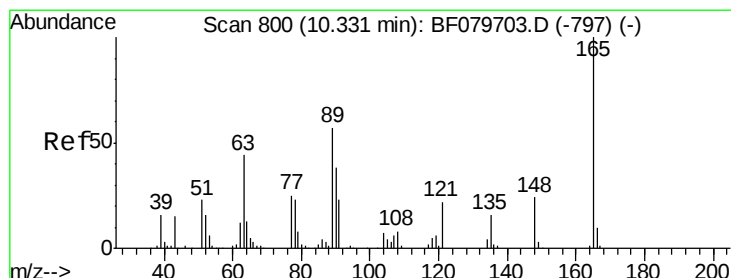
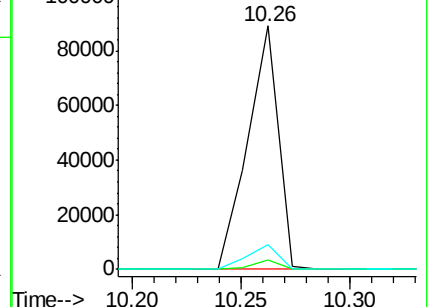
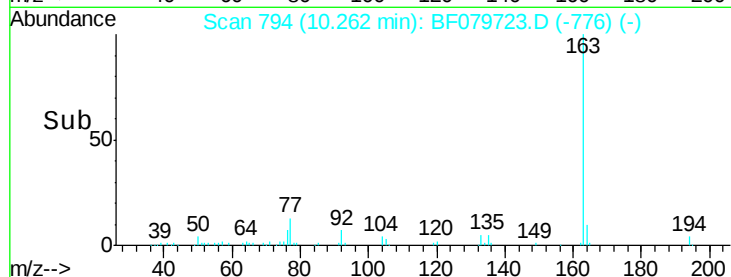
164 10.0 8.5 12.7



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: 3.51 ng

RT: 10.26 min Scan# 794

Delta R.T. -0.07 min

Lab File: BF079723.D

Acq: 5 Jun 2015 3:16

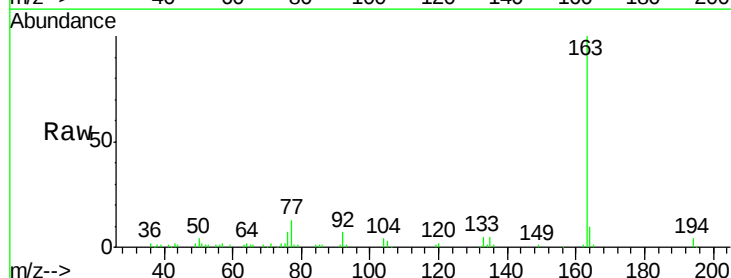
Tgt Ion:165 Resp: 1062

Ion Ratio Lower Upper

165 100

63 108.8 45.2 67.8#

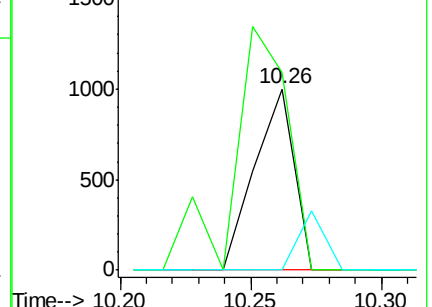
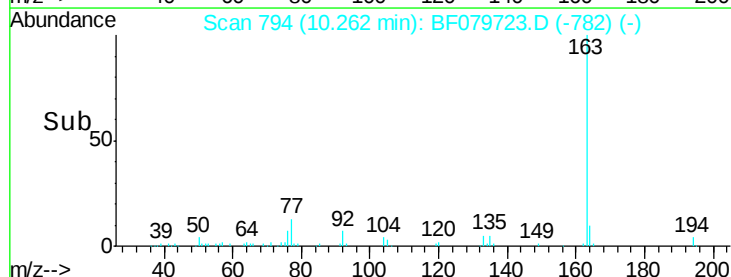
89 0.0 45.9 68.9#

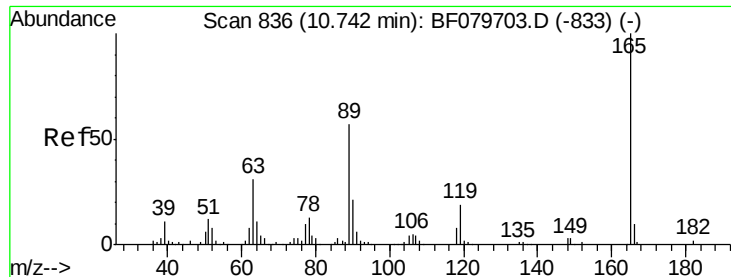


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

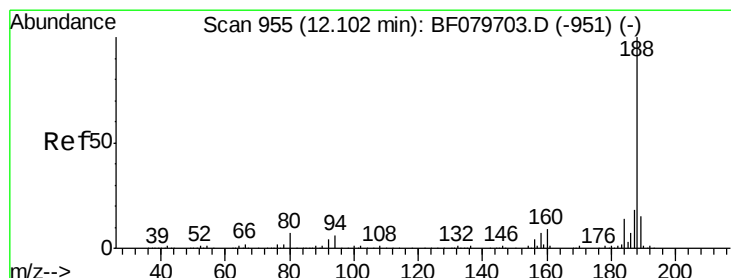
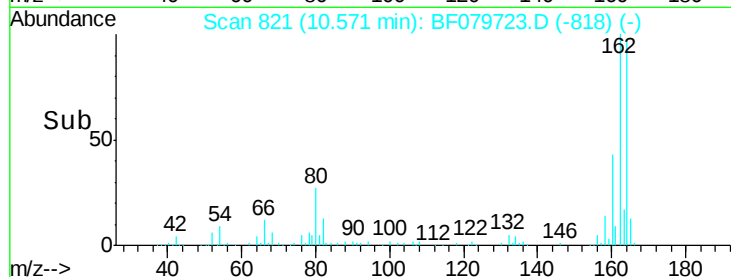
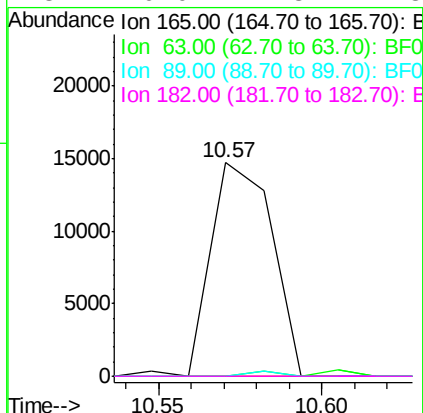
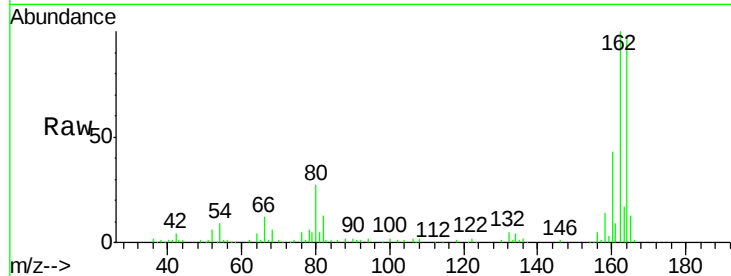




#56
 2,4-Dinitrotoluene
 Concen: 7.79 ng
 RT: 10.57 min Scan# 821
 Delta R.T. -0.17 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

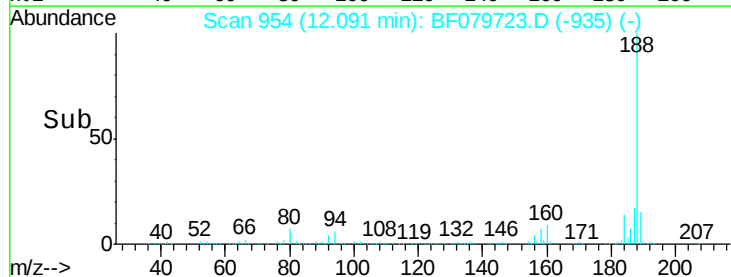
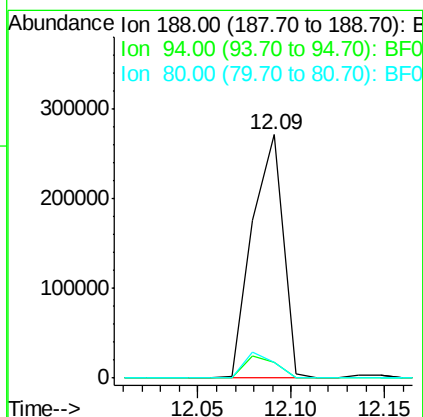
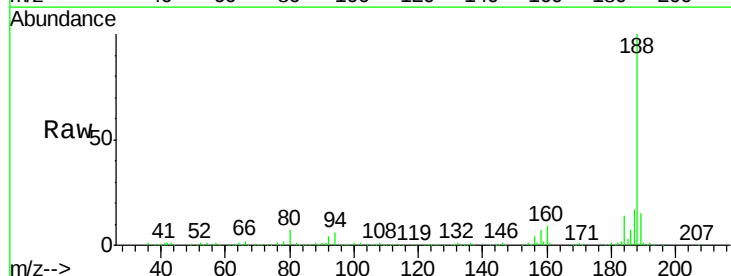
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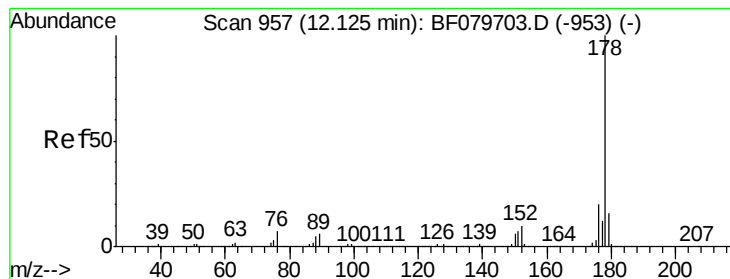
Tgt Ion:165 Resp: 18870
 Ion Ratio Lower Upper
 165 100
 63 0.0 24.7 37.1#
 89 0.0 45.7 68.5#
 182 0.0 1.8 2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.09 min Scan# 954
 Delta R.T. 0.01 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

Tgt Ion:188 Resp: 312165
 Ion Ratio Lower Upper
 188 100
 94 6.3 5.0 7.4
 80 6.7 5.3 7.9





#70

Phenanthrene

Concen: 7.13 ng

RT: 12.11 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF079723.D

Acq: 5 Jun 2015 3:16

Instrument :

BNA_F

ClientSampleId :

C-2

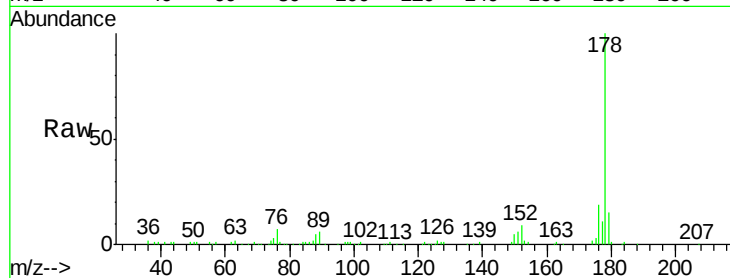
Tgt Ion:178 Resp: 129520

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

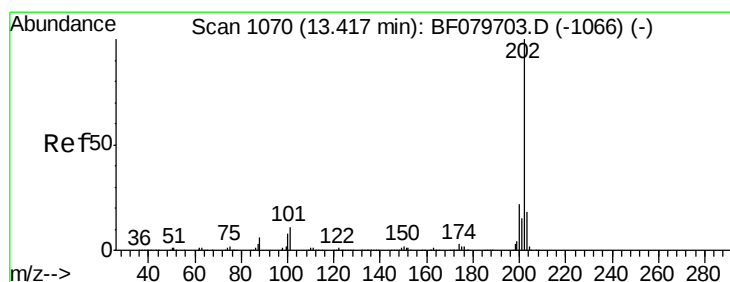
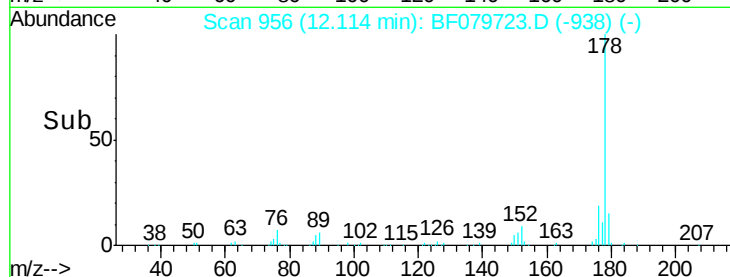
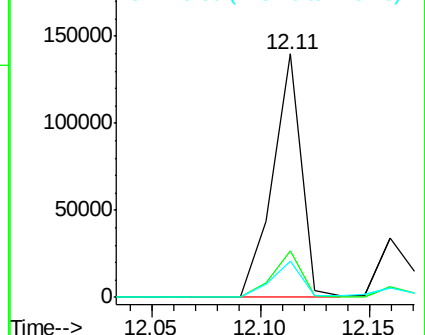
179 15.1 12.6 19.0



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



#74

Fluoranthene

Concen: 13.63 ng

RT: 13.37 min Scan# 1066

Delta R.T. 0.02 min

Lab File: BF079723.D

Acq: 5 Jun 2015 3:16

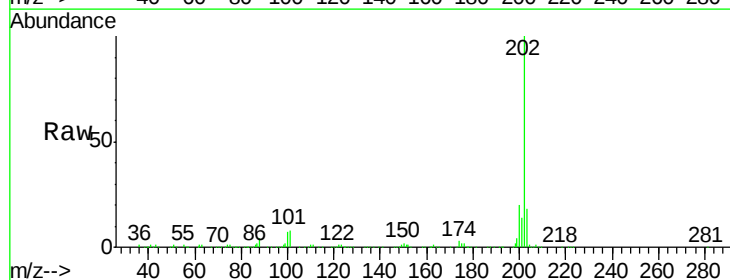
Tgt Ion:202 Resp: 268508

Ion Ratio Lower Upper

202 100

101 7.9 0.0 31.3

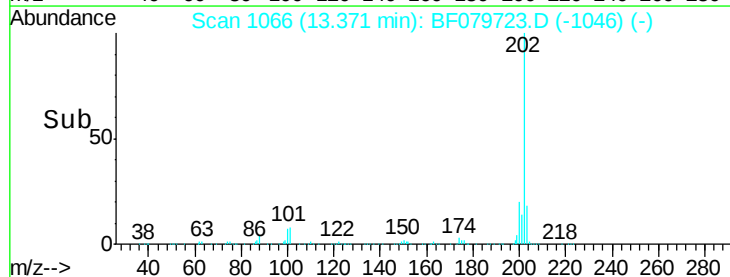
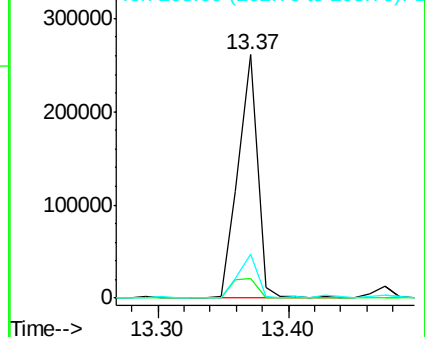
203 17.9 0.0 38.4

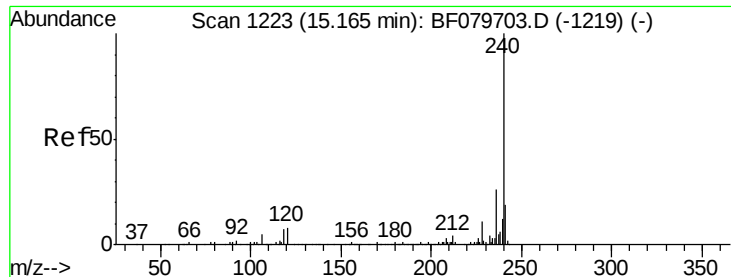


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

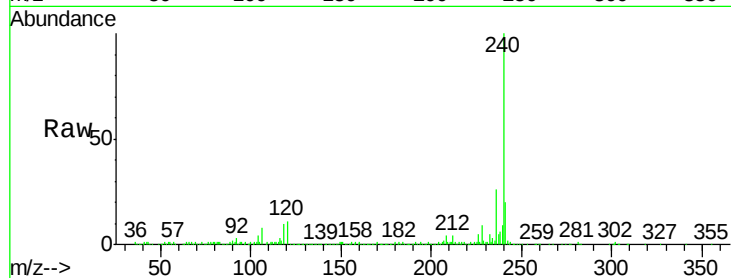




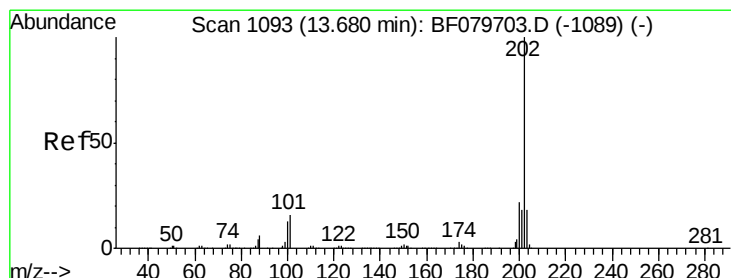
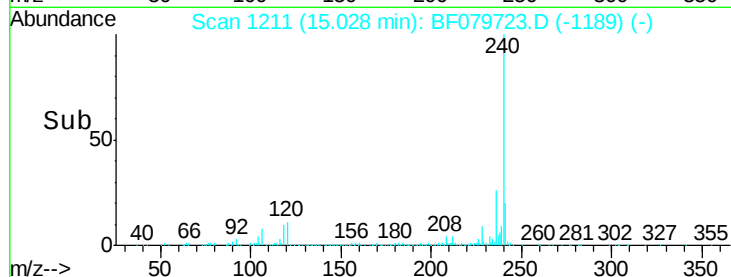
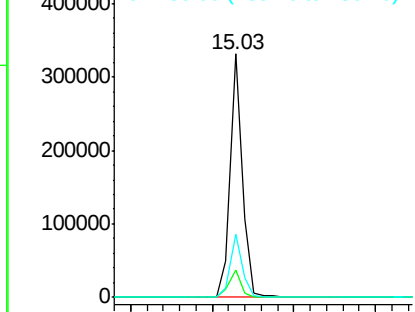
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1211
 Delta R.T. 0.05 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

Instrument :
 BNA_F
 ClientSampleId :
 C-2

Tgt Ion:240 Resp: 347263
 Ion Ratio Lower Upper
 240 100
 120 11.0 6.2 9.2#
 236 25.8 21.0 31.4

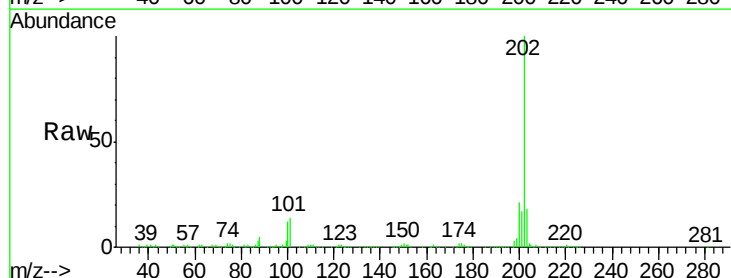


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

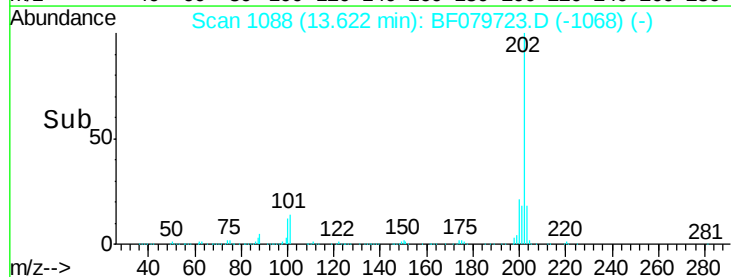
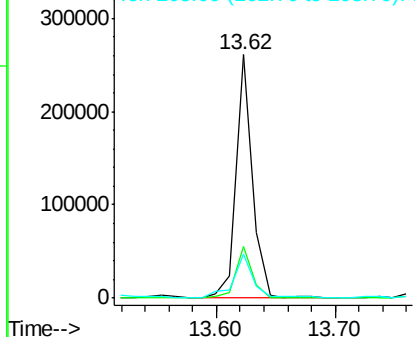


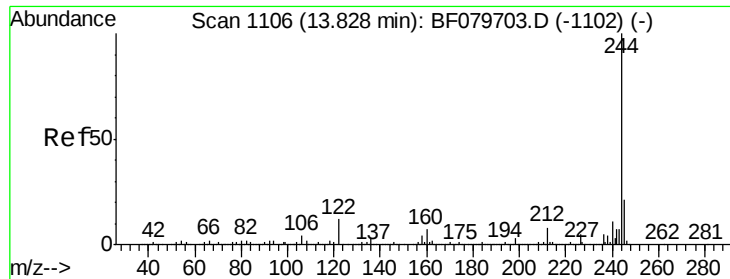
#77
 Pyrene
 Concen: 11.58 ng
 RT: 13.62 min Scan# 1088
 Delta R.T. 0.02 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

Tgt Ion:202 Resp: 249855
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.5 26.3
 203 18.0 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

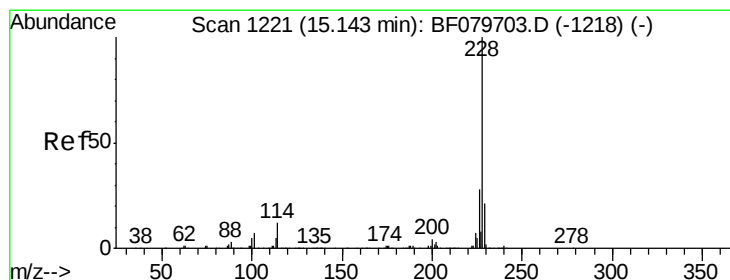
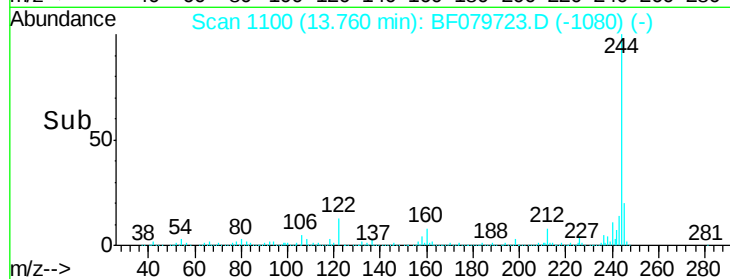
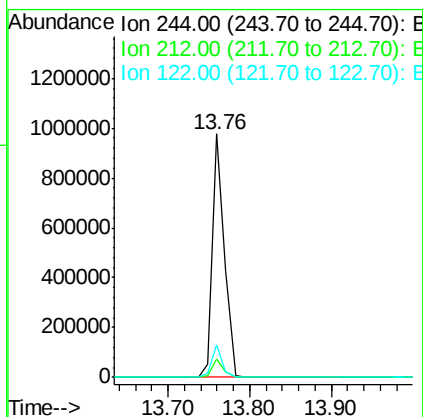
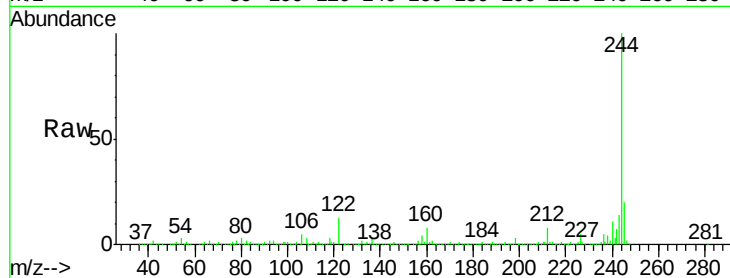




#78
 Terphenyl-d14
 Concen: 68.63 ng
 RT: 13.76 min Scan# 1100
 Delta R.T. 0.02 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

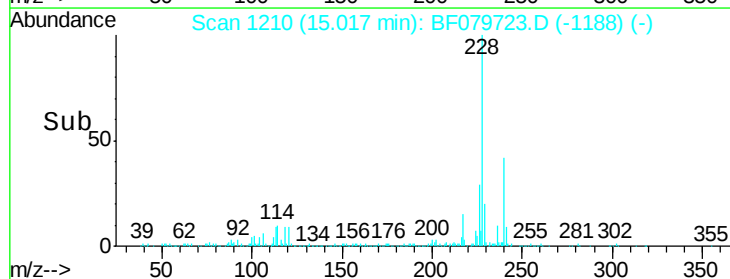
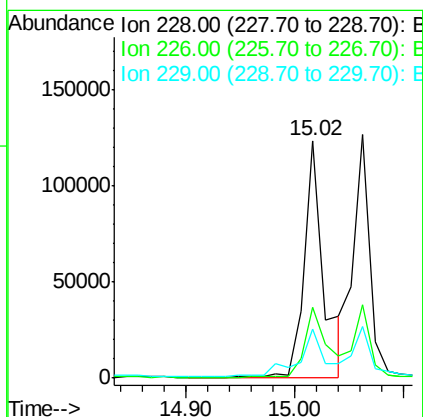
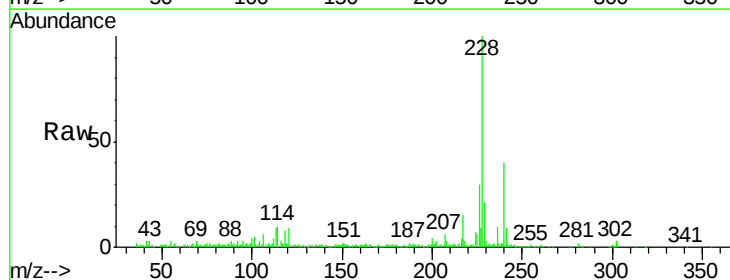
Instrument :
 BNA_F
 ClientSampleId :
 C-2

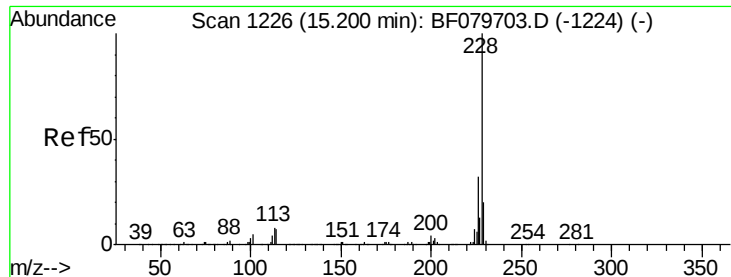
Tgt Ion:244 Resp: 1011629
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 13.3 9.3 13.9



#80
 Benzo(a)anthracene
 Concen: 7.20 ng
 RT: 15.02 min Scan# 1210
 Delta R.T. 0.05 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

Tgt Ion:228 Resp: 152946
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.2 33.4
 229 20.9 16.6 25.0





#82

Chrysene

Concen: 6.77 ng

RT: 15.06 min Scan# 1214

Delta R.T. 0.05 min

Lab File: BF079723.D

Acq: 5 Jun 2015 3:16

Instrument :

BNA_F

ClientSampleId :

C-2

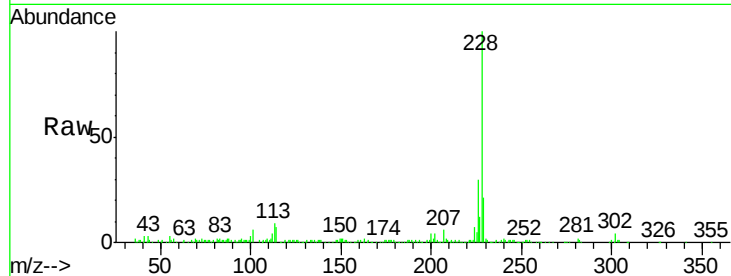
Tgt Ion:228 Resp: 134587

Ion Ratio Lower Upper

228 100

226 29.9 25.2 37.8

229 21.2 16.2 24.4

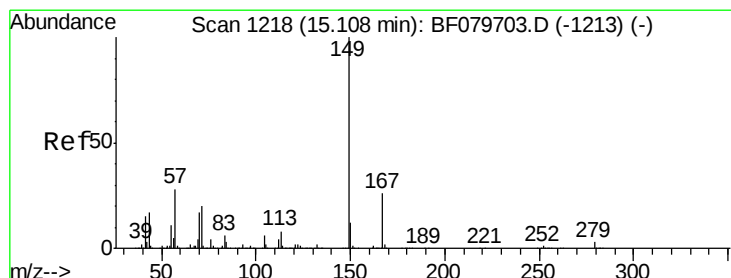
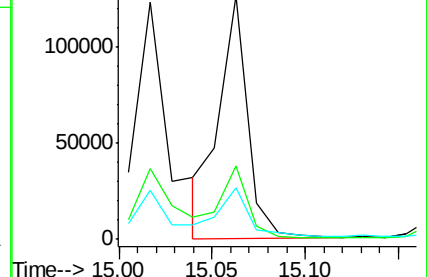
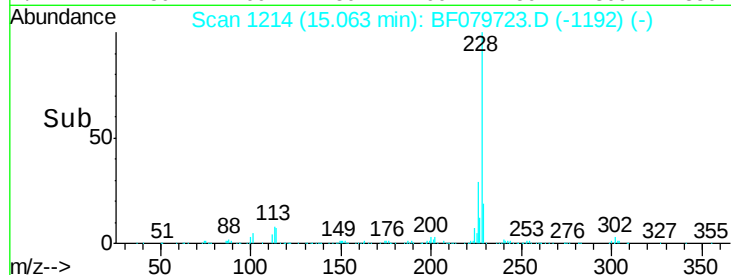


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

15.06



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.32 ng

RT: 14.97 min Scan# 1206

Delta R.T. 0.05 min

Lab File: BF079723.D

Acq: 5 Jun 2015 3:16

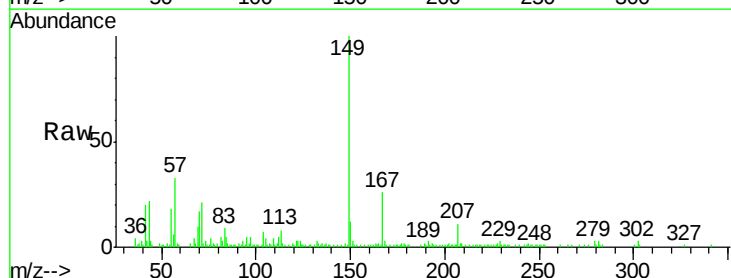
Tgt Ion:149 Resp: 56386

Ion Ratio Lower Upper

149 100

167 26.1 20.9 31.3

279 2.9 2.2 3.2

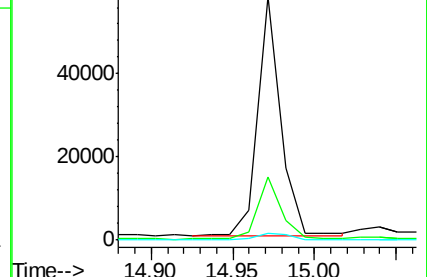
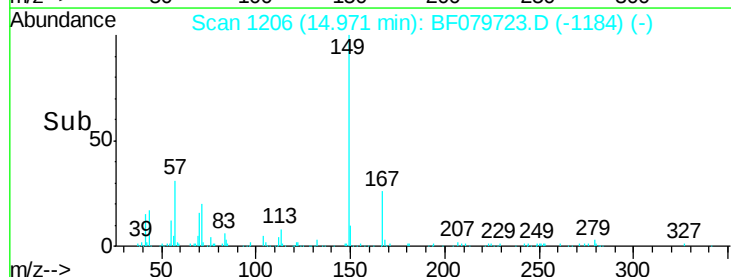


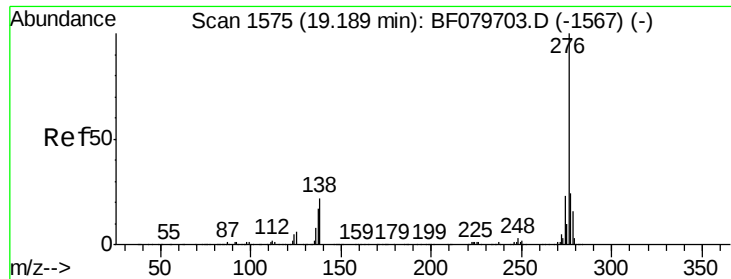
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

14.97

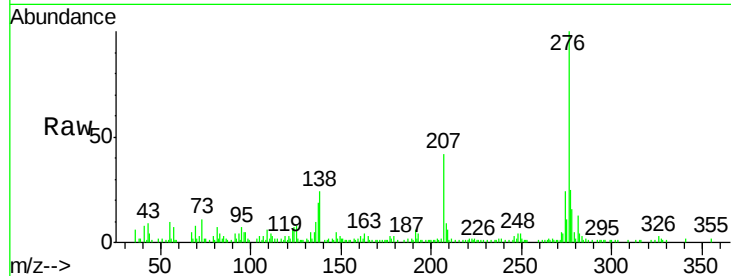




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.49 ng
 RT: 18.97 min Scan# 1556
 Delta R.T. 0.05 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

Instrument :
 BNA_F
 ClientSampleId :
 C-2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	20.8	31.2
277	23.5	20.0	30.0

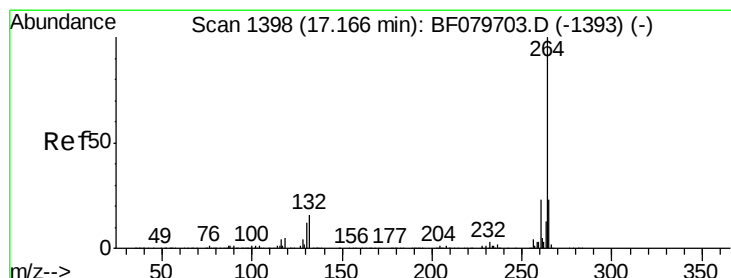
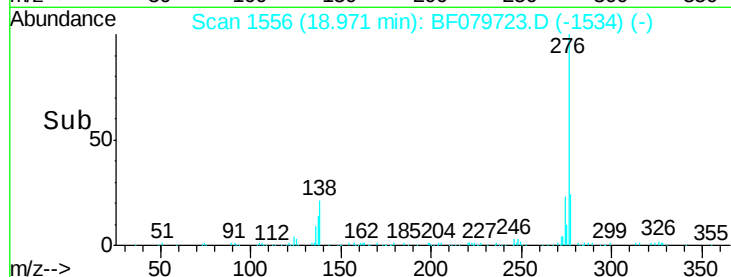
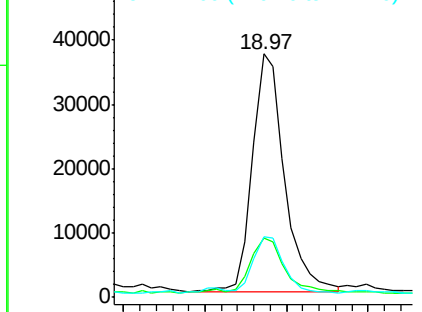


Abundance

Ion 276.00 (275.70 to 276.70): E

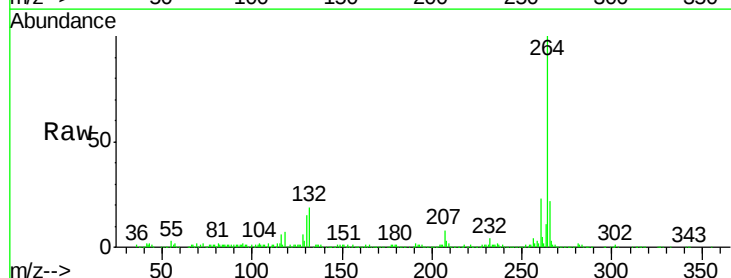
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.97 min Scan# 1381
 Delta R.T. 0.06 min
 Lab File: BF079723.D
 Acq: 5 Jun 2015 3:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	22.4	18.2	27.4

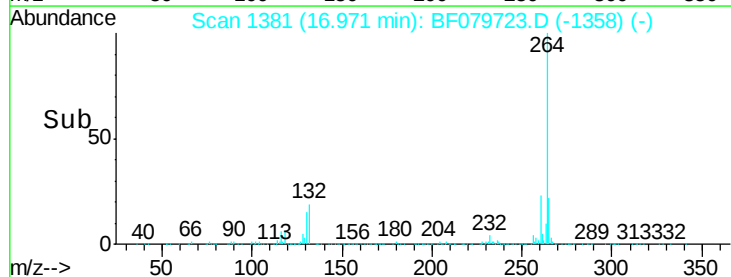
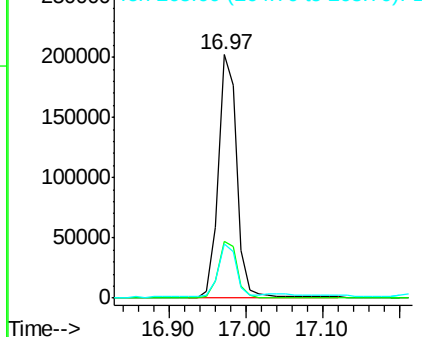


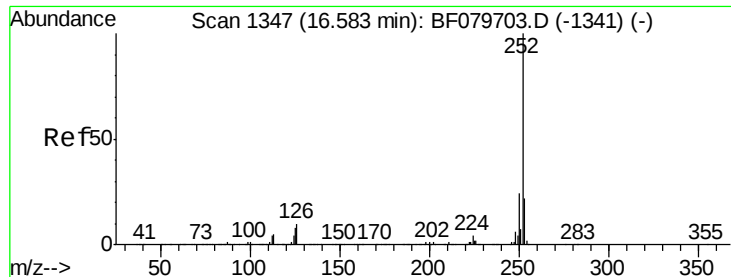
Abundance

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

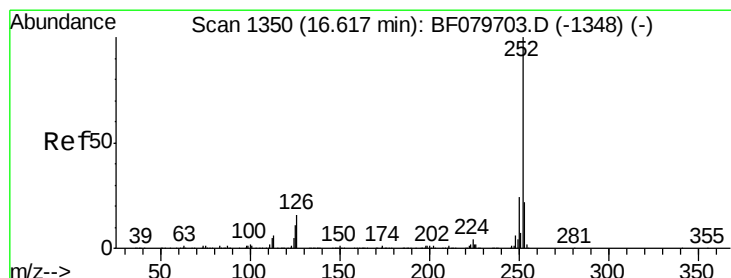
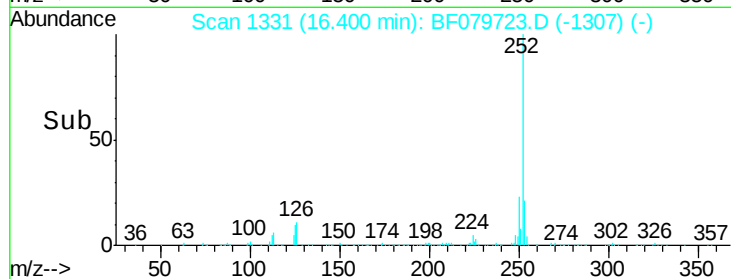
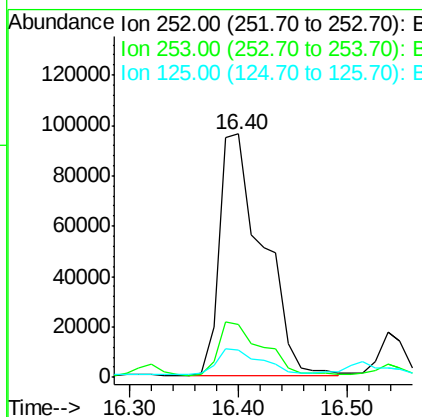
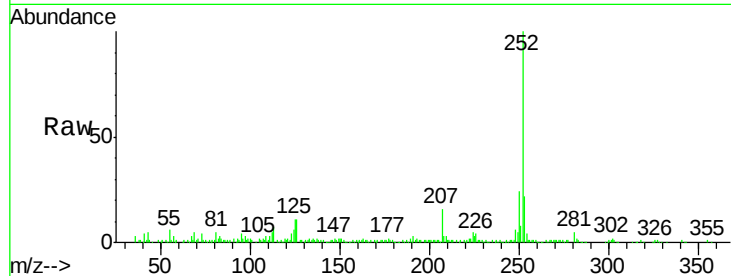




#87
Benzo(b)fluoranthene
Concen: 11.84 ng
RT: 16.40 min Scan# 1331
Delta R.T. 0.07 min
Lab File: BF079723.D
Acq: 5 Jun 2015 3:16

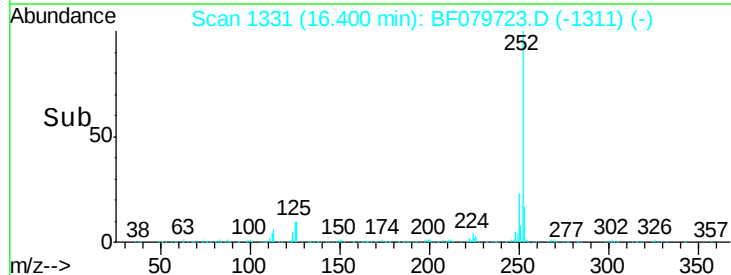
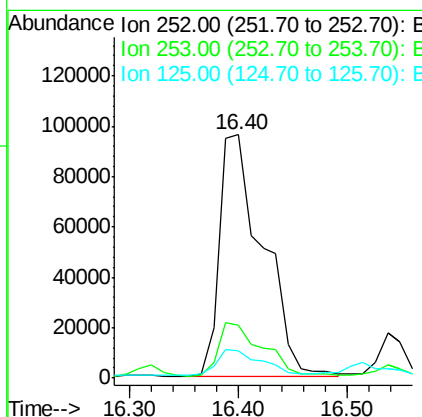
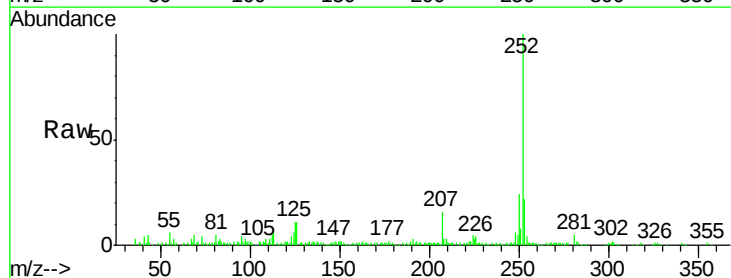
Instrument :
BNA_F
ClientSampleId :
C-2

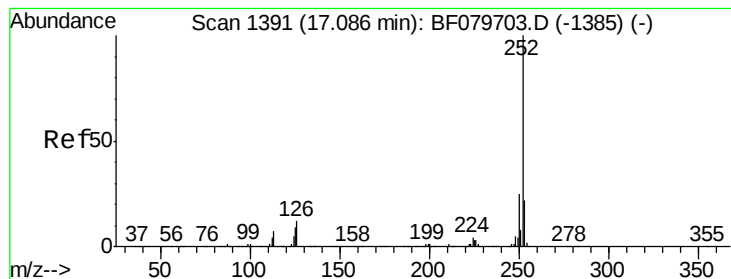
Tgt Ion:252 Resp: 264996
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 11.0 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 12.41 ng
RT: 16.40 min Scan# 1331
Delta R.T. 0.02 min
Lab File: BF079723.D
Acq: 5 Jun 2015 3:16

Tgt Ion:252 Resp: 264996
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 11.0 8.4 12.6





#89

Benzo(a)pyrene

Concen: 6.30 ng

RT: 16.89 min Scan# 1374

Delta R.T. 0.06 min

Lab File: BF079723.D

Acq: 5 Jun 2015 3:16

Instrument :

BNA_F

ClientSampleId :

C-2

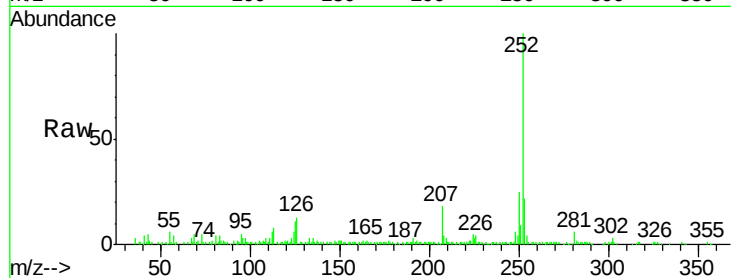
Tgt Ion:252 Resp: 128710

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

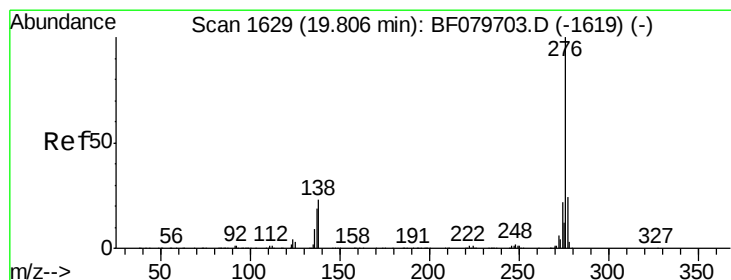
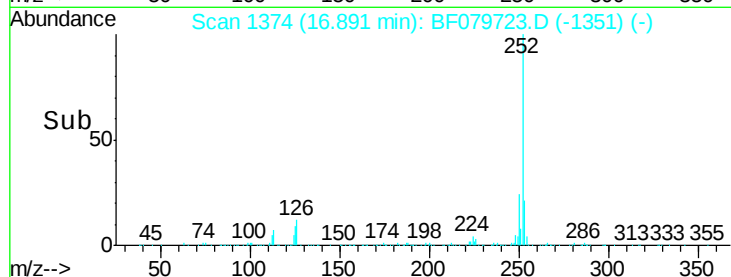
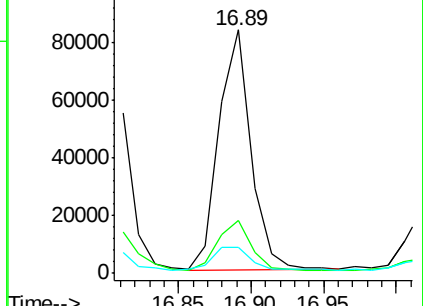
125 10.6 7.4 11.0



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: 5.20 ng

RT: 19.59 min Scan# 1610

Delta R.T. 0.06 min

Lab File: BF079723.D

Acq: 5 Jun 2015 3:16

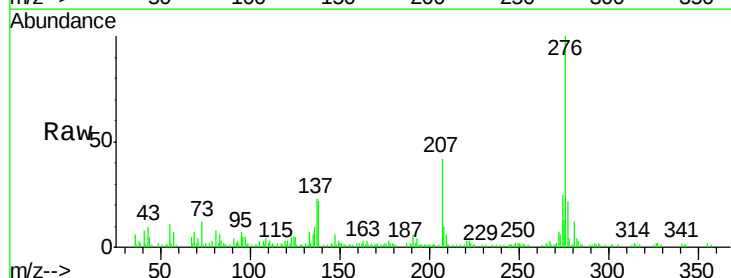
Tgt Ion:276 Resp: 100458

Ion Ratio Lower Upper

276 100

277 22.3 18.8 28.2

138 21.6 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

