

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
 Data File : BF079727.D
 Acq On : 5 Jun 2015 5:12
 Operator : TP/IZ
 Sample : G2474-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-6

Quant Time: Jun 06 03:34:31 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

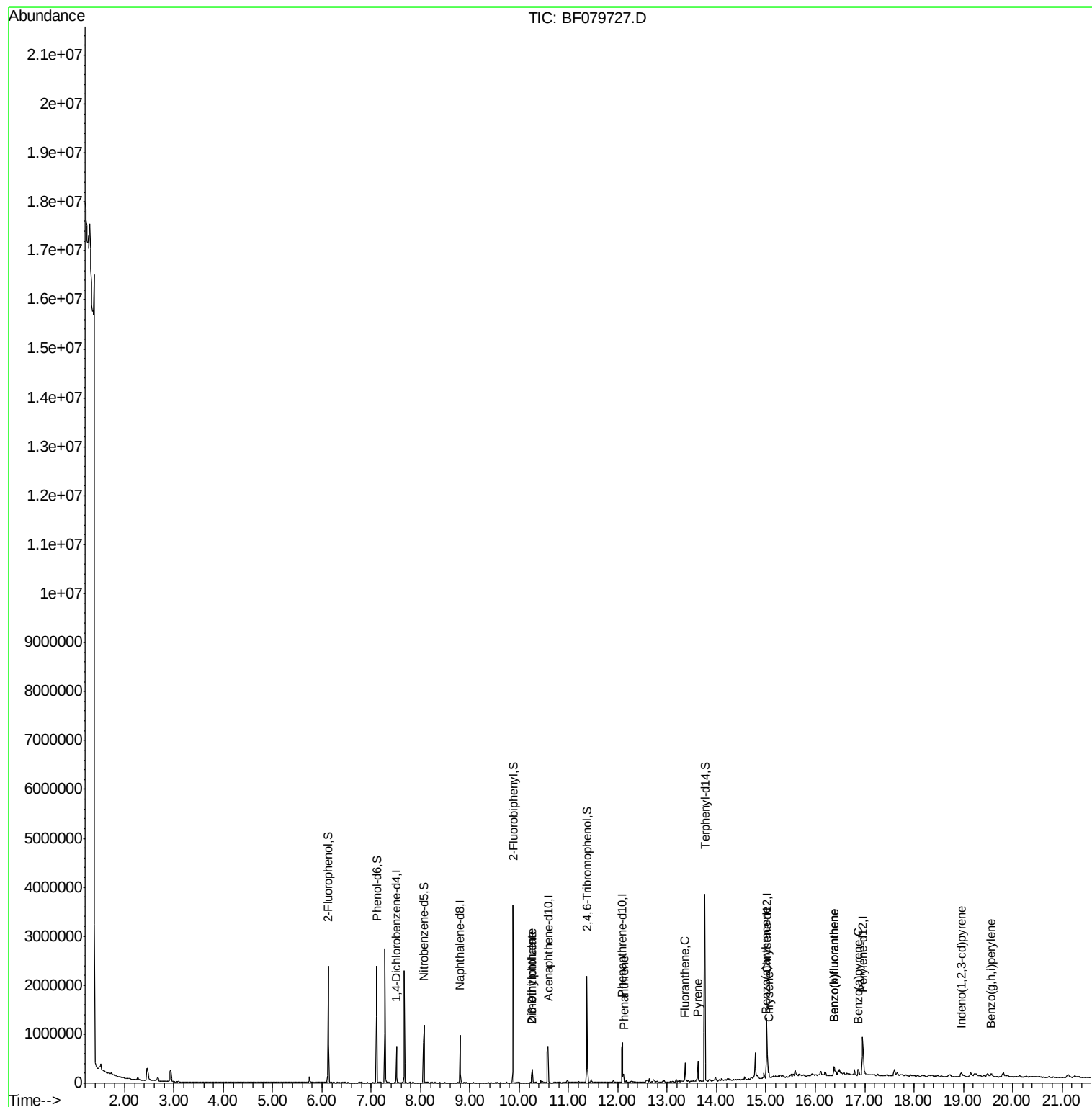
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	102205	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	399346	20.00	ng	0.00
38) Acenaphthene-d10	10.58	164	208989	20.00	ng	0.00
63) Phenanthrene-d10	12.09	188	424258	20.00	ng	0.01
75) Chrysene-d12	15.02	240	465817	20.00	ng	0.03
86) Perylene-d12	16.96	264	464766	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	644318	108.10	ng	0.00
7) Phenol-d6	7.11	99	946945	122.04	ng	0.01
23) Nitrobenzene-d5	8.07	82	470555	71.74	ng	0.00
41) 2,4,6-Tribromophenol	11.37	330	224744	119.75	ng	0.00
44) 2-Fluorobiphenyl	9.87	172	1003260	69.50	ng	0.00
78) Terphenyl-d14	13.76	244	1238658	62.65	ng	0.02
Target Compounds						
49) Dimethylphthalate	10.26	163	134236	8.34	ng	# 98
50) 2,6-Dinitrotoluene	10.26	165	1419	3.49	ng	# 28
70) Phenanthrene	12.11	178	81320	3.30	ng	97
74) Fluoranthene	13.36	202	187123	6.99	ng	95
77) Pyrene	13.62	202	185097	6.39	ng	98
80) Benzo(a)anthracene	15.01	228	103219	3.62	ng	97
82) Chrysene	15.05	228	93993	3.53	ng	98
85) Indeno(1,2,3-cd)pyrene	18.96	276	71749	2.39	ng	94
87) Benzo(b)fluoranthene	16.38	252	182478	6.09	ng	# 95
88) Benzo(k)fluoranthene	16.38	252	182478	6.38	ng	98
89) Benzo(a)pyrene	16.87	252	92640	3.38	ng	# 93
91) Benzo(g,h,i)perylene	19.57	276	70417	2.72	ng	97

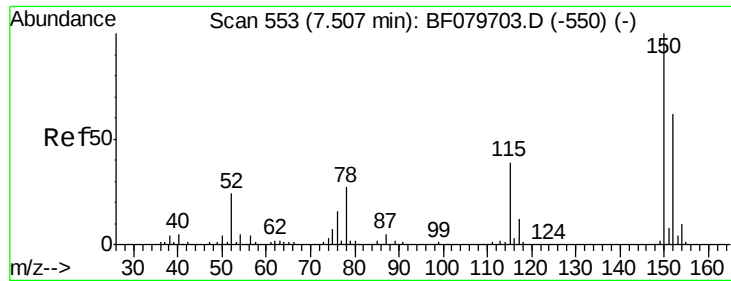
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
Data File : BF079727.D
Acq On : 5 Jun 2015 5:12
Operator : TP/IZ
Sample : G2474-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-6

Quant Time: Jun 06 03:34:31 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

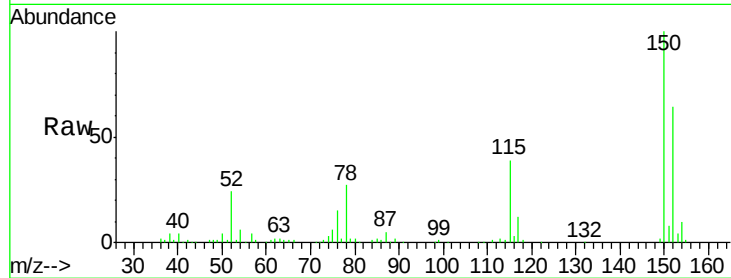




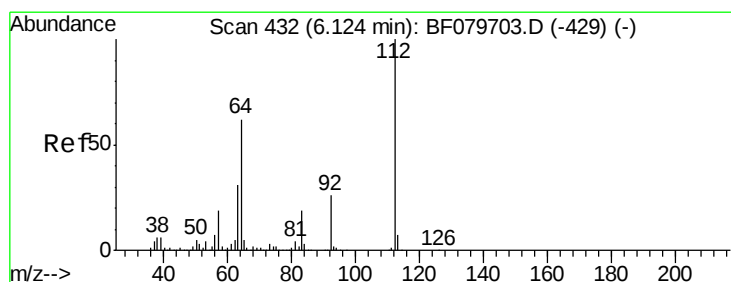
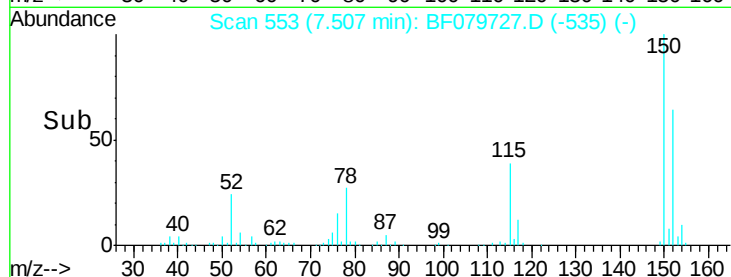
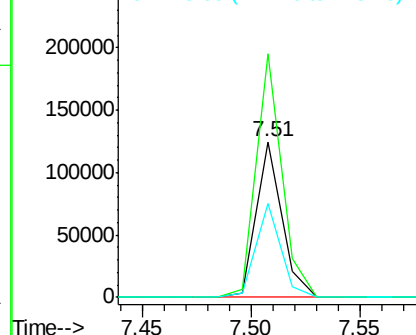
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.51 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF079727.D
 Acq: 5 Jun 2015 5:12

Instrument :
 BNA_F
 ClientSampleId :
 C-6

Tgt Ion:152 Resp: 102205
 Ion Ratio Lower Upper
 152 100
 150 156.7 128.1 192.1
 115 60.4 49.7 74.5

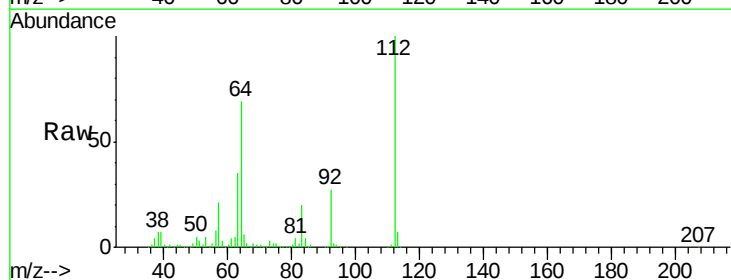


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

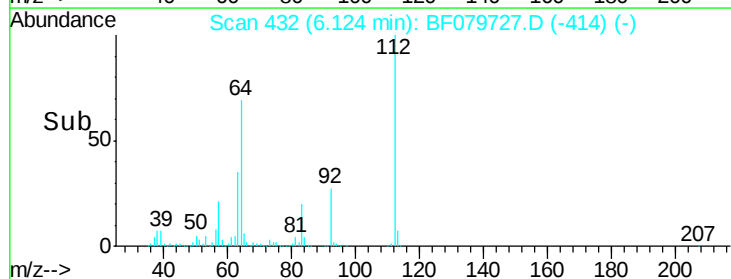
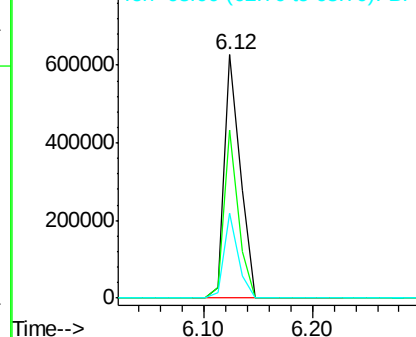


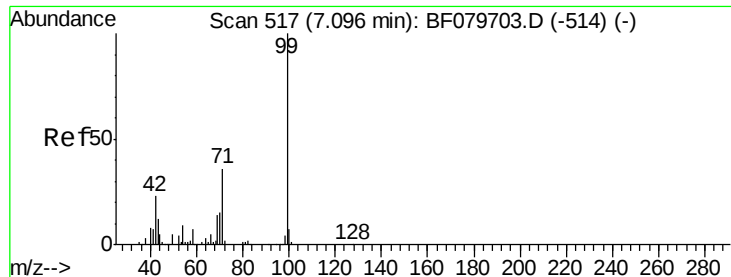
#5
 2-Fluorophenol
 Concen: 108.10 ng
 RT: 6.12 min Scan# 432
 Delta R.T. 0.00 min
 Lab File: BF079727.D
 Acq: 5 Jun 2015 5:12

Tgt Ion:112 Resp: 644318
 Ion Ratio Lower Upper
 112 100
 64 69.3 49.6 74.4
 63 35.0 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: 122.04 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.01 min

Lab File: BF079727.D

Acq: 5 Jun 2015 5:12

Instrument :

BNA_F

ClientSampleId :

C-6

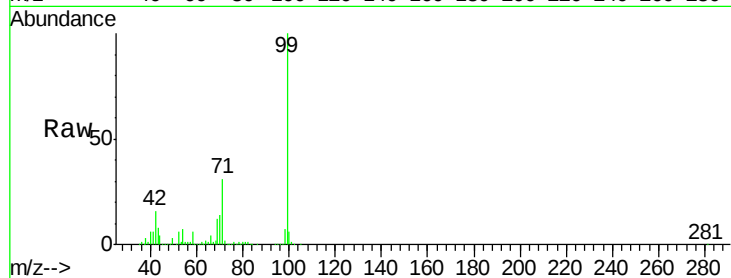
Tgt Ion: 99 Resp: 946945

Ion Ratio Lower Upper

99 100

42 15.8 18.0 27.0#

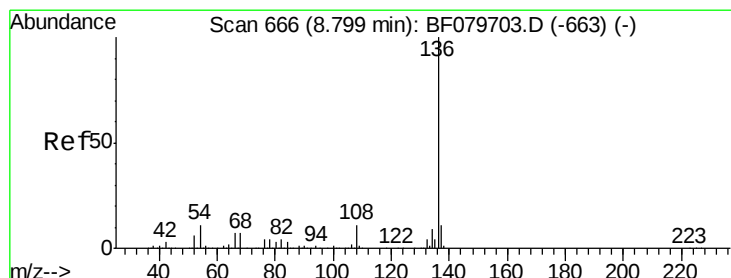
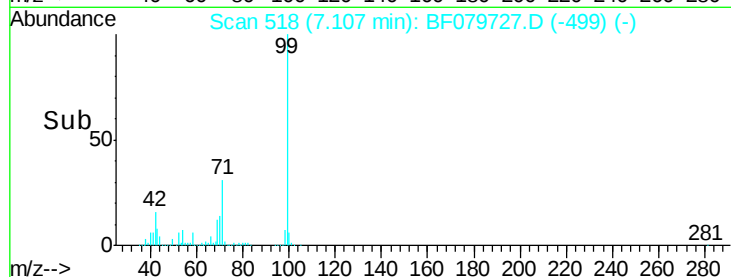
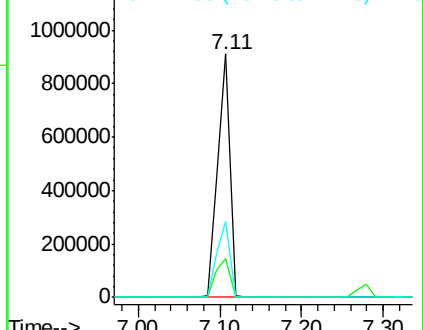
71 31.1 28.4 42.6



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: BF079727.D

Acq: 5 Jun 2015 5:12

Tgt Ion: 136 Resp: 399346

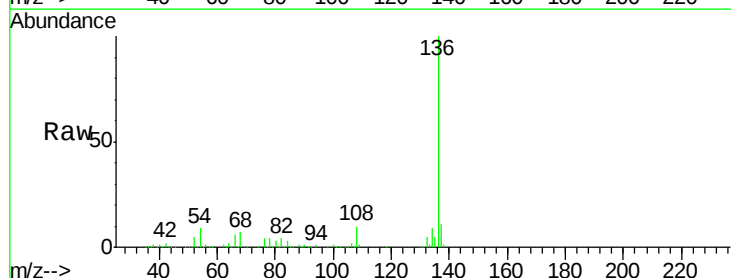
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 9.0 8.7 13.1

68 6.7 5.8 8.8

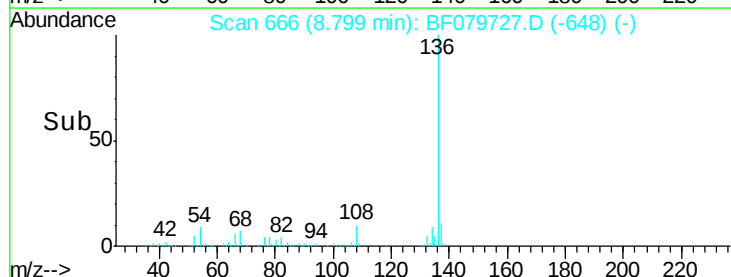
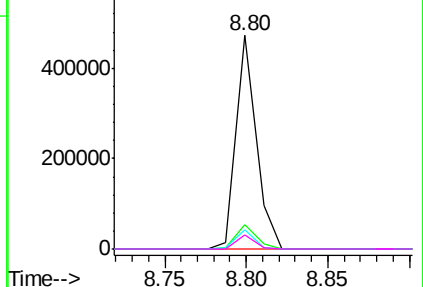


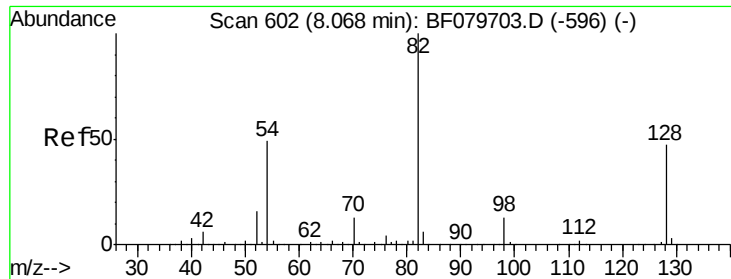
Abundance Ion 136.00 (135.70 to 136.70): E

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

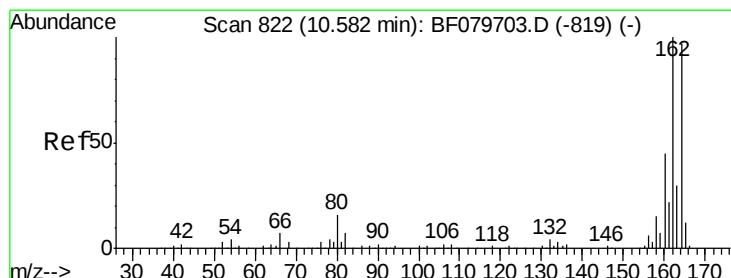
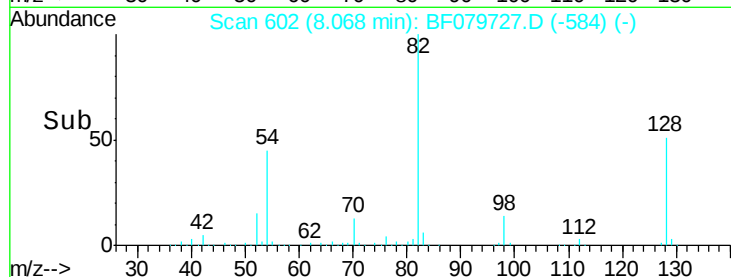
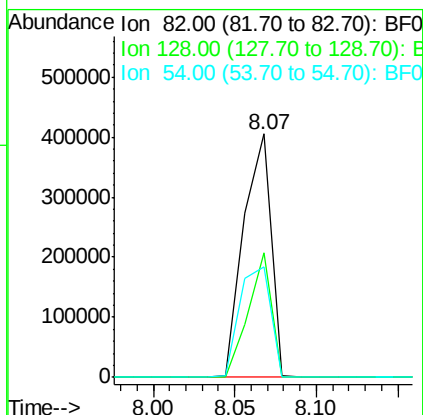
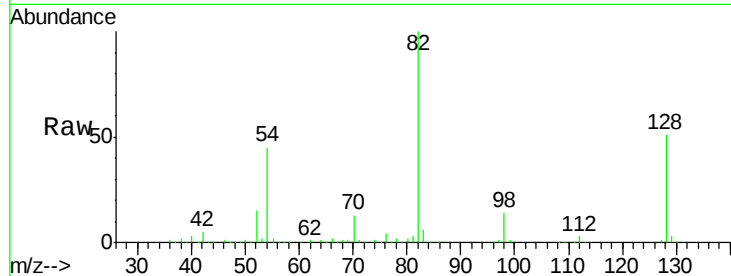




#23
 Nitrobenzene-d5
 Concen: 71.74 ng
 RT: 8.07 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: BF079727.D
 Acq: 5 Jun 2015 5:12

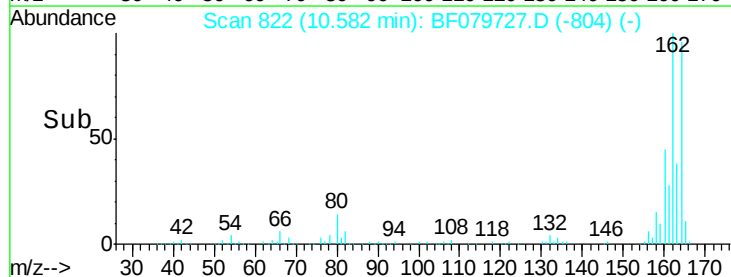
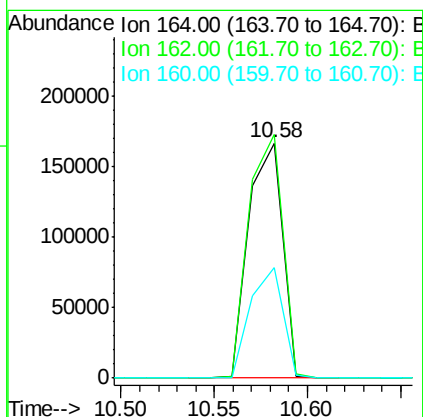
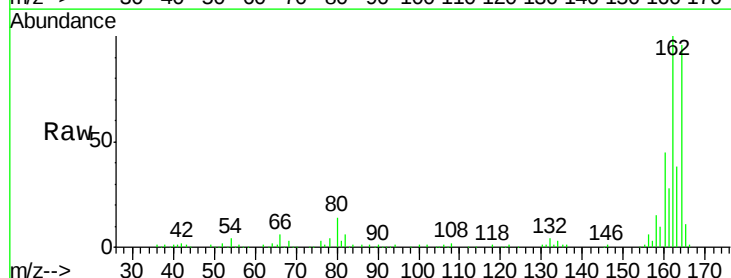
Instrument :
 BNA_F
 ClientSampleId :
 C-6

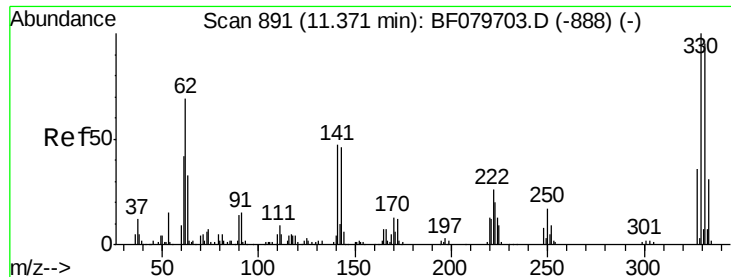
Tgt Ion: 82 Resp: 470555
 Ion Ratio Lower Upper
 82 100
 128 51.0 37.6 56.4
 54 45.2 39.4 59.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.58 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF079727.D
 Acq: 5 Jun 2015 5:12

Tgt Ion: 164 Resp: 208989
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.6 123.8
 160 47.2 36.8 55.2

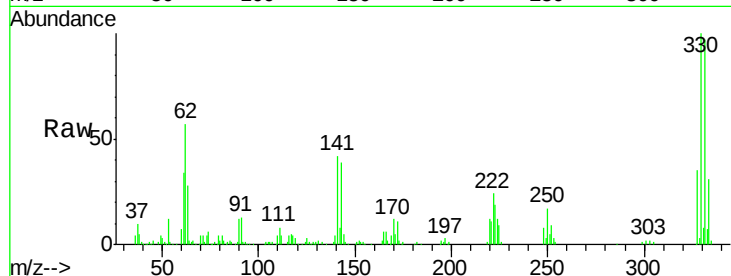




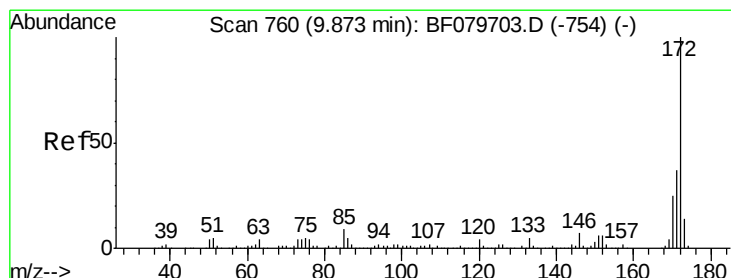
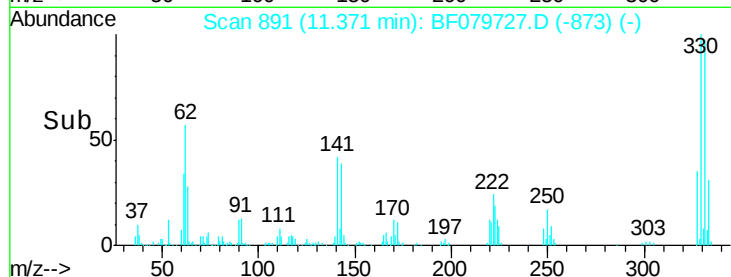
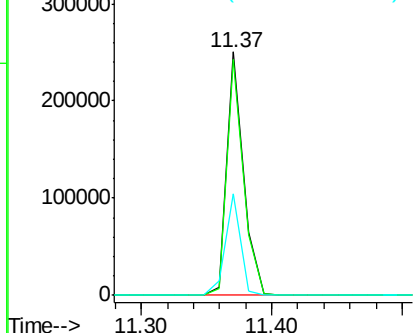
#41
 2,4,6-Tribromophenol
 Concen: 119.75 ng
 RT: 11.37 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF079727.D
 Acq: 5 Jun 2015 5:12

Instrument :
 BNA_F
 ClientSampleId :
 C-6

Tgt Ion:330 Resp: 224744
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.0
 141 38.1 30.2 45.2

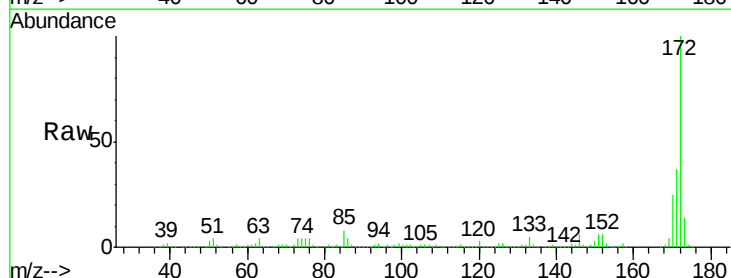


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

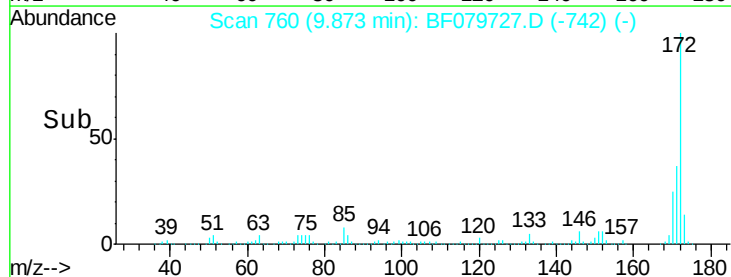
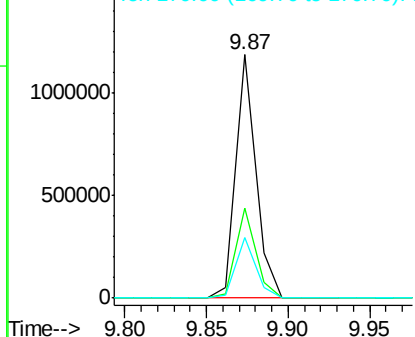


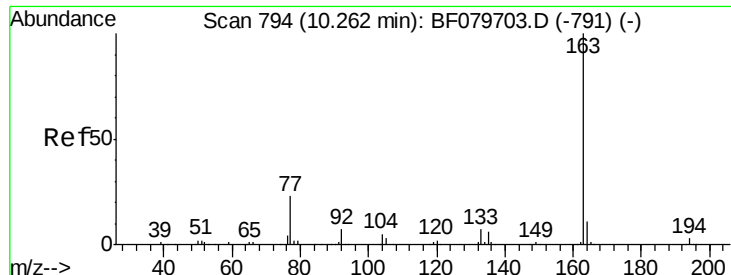
#44
 2-Fluorobiphenyl
 Concen: 69.50 ng
 RT: 9.87 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF079727.D
 Acq: 5 Jun 2015 5:12

Tgt Ion:172 Resp: 1003260
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 24.9 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

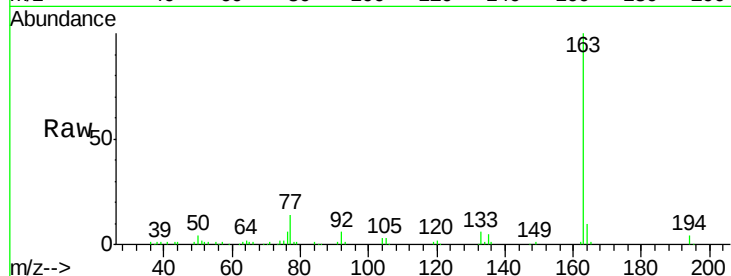




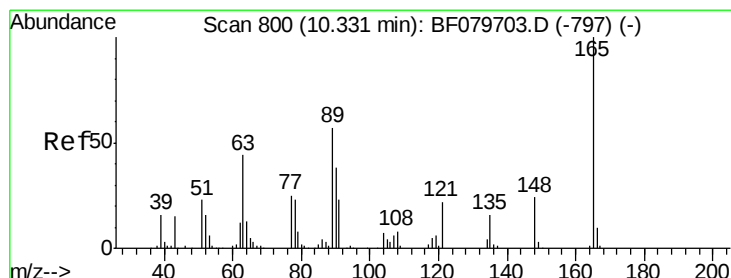
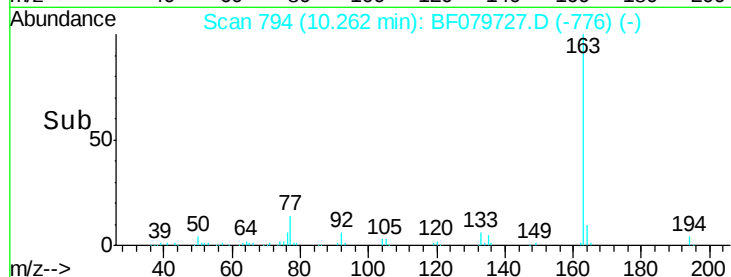
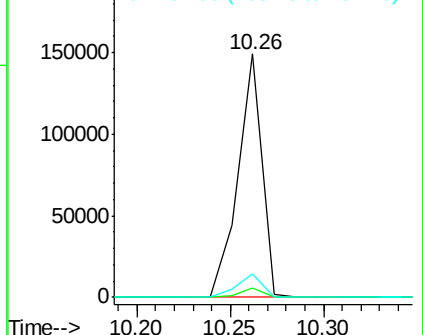
#49
Dimethylphthalate
Concen: 8.34 ng
RT: 10.26 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF079727.D
Acq: 5 Jun 2015 5:12

Instrument :
BNA_F
ClientSampleId :
C-6

Tgt Ion:163 Resp: 134236
Ion Ratio Lower Upper
163 100
194 4.0 2.6 3.8#
164 9.9 8.5 12.7

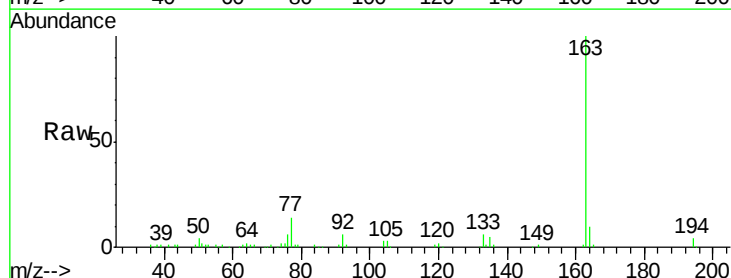


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

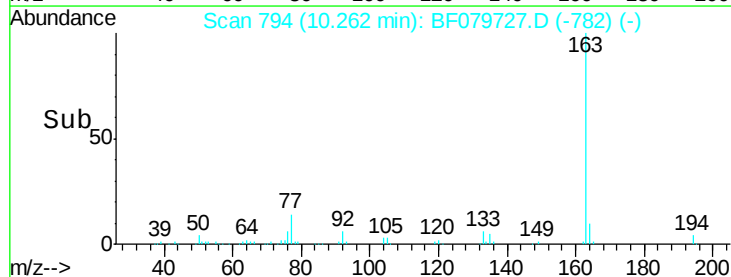
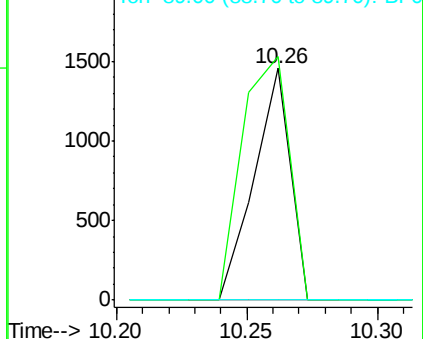


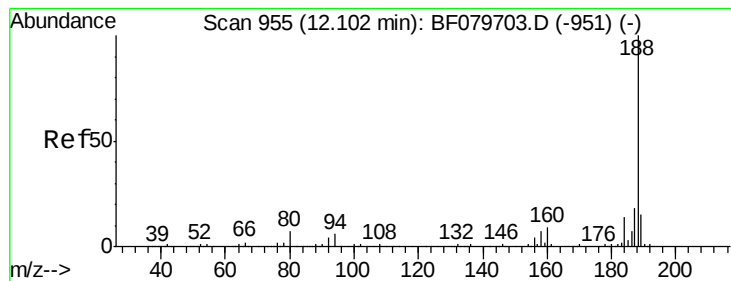
#50
2,6-Dinitrotoluene
Concen: 3.49 ng
RT: 10.26 min Scan# 794
Delta R.T. -0.07 min
Lab File: BF079727.D
Acq: 5 Jun 2015 5:12

Tgt Ion:165 Resp: 1419
Ion Ratio Lower Upper
165 100
63 104.9 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.09 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF079727.D

Acq: 5 Jun 2015 5:12

Instrument :

BNA_F

ClientSampleId :

C-6

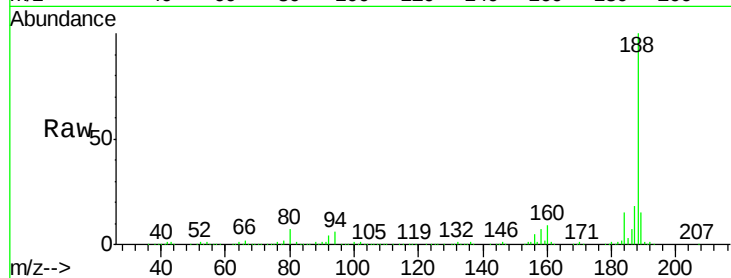
Tgt Ion:188 Resp: 424258

Ion Ratio Lower Upper

188 100

94 6.4 5.0 7.4

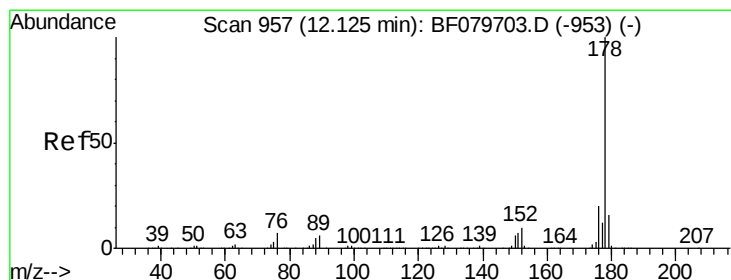
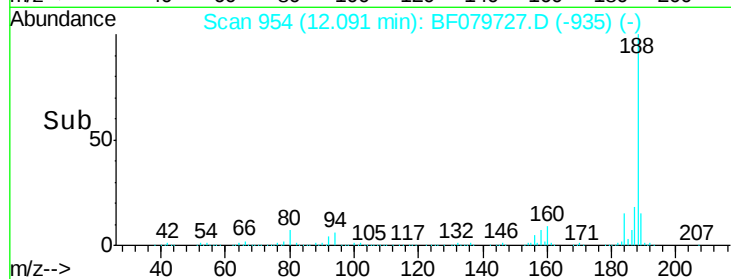
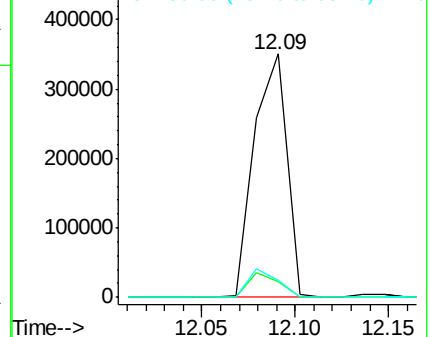
80 6.8 5.3 7.9



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: 3.30 ng

RT: 12.11 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF079727.D

Acq: 5 Jun 2015 5:12

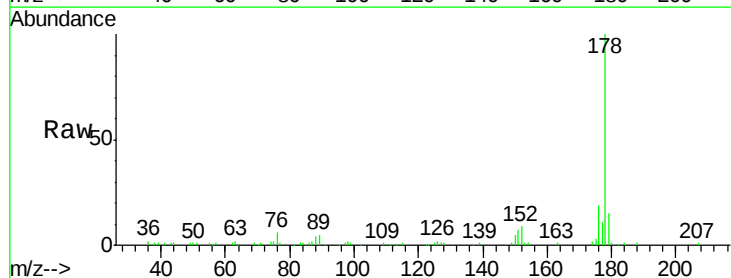
Tgt Ion:178 Resp: 81320

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.4

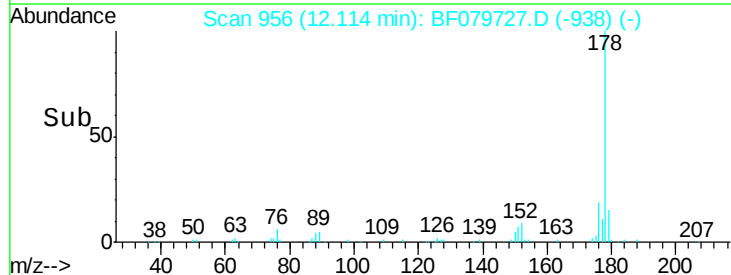
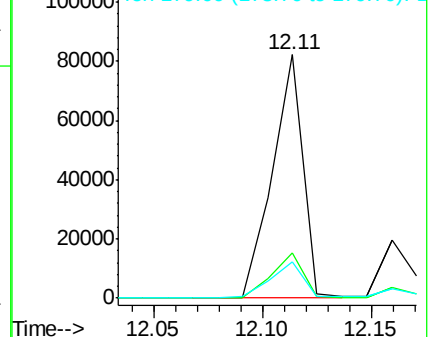
179 14.7 12.6 19.0

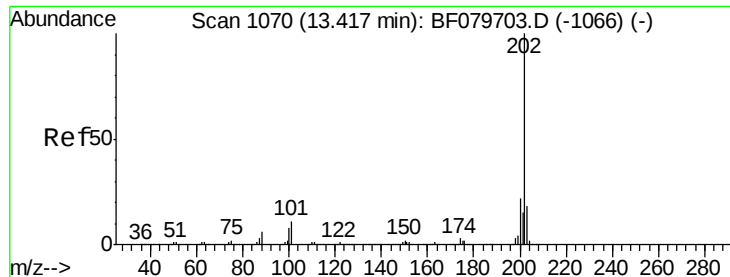


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.99 ng

RT: 13.36 min Scan# 1065

Delta R.T. 0.01 min

Lab File: BF079727.D

Acq: 5 Jun 2015 5:12

Instrument :

BNA_F

ClientSampleId :

C-6

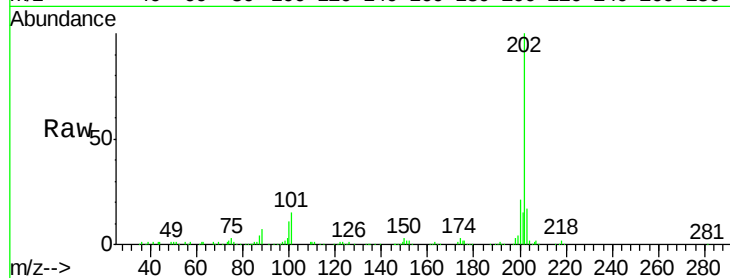
Tgt Ion:202 Resp: 187123

Ion Ratio Lower Upper

202 100

101 15.0 0.0 31.3

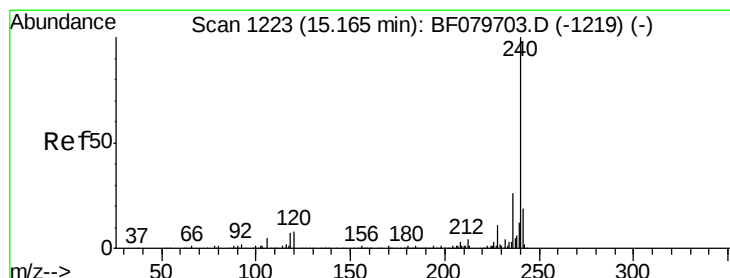
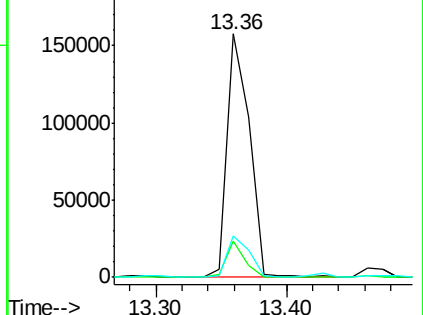
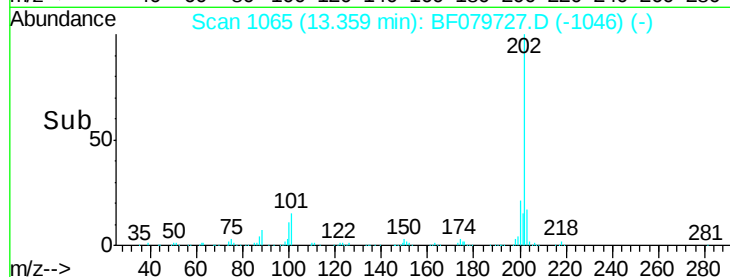
203 17.2 0.0 38.4



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: 15.02 min Scan# 1210

Delta R.T. 0.03 min

Lab File: BF079727.D

Acq: 5 Jun 2015 5:12

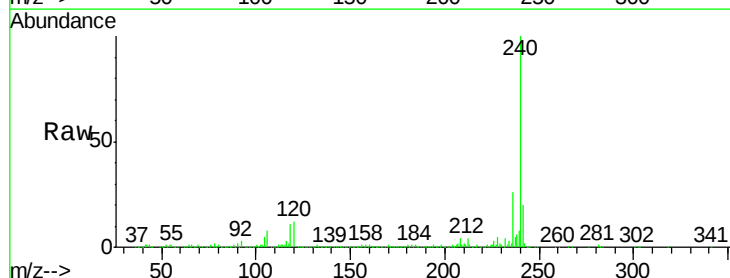
Tgt Ion:240 Resp: 465817

Ion Ratio Lower Upper

240 100

120 12.4 6.2 9.2#

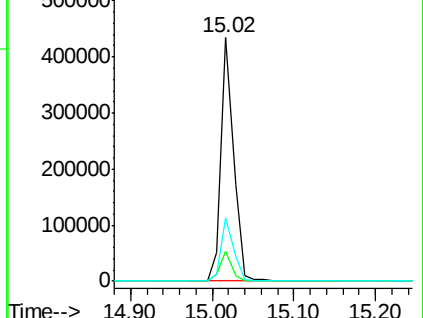
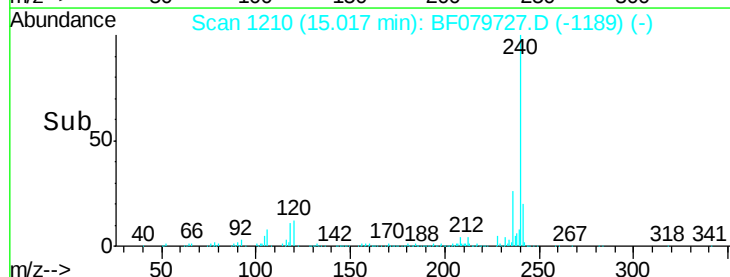
236 25.9 21.0 31.4

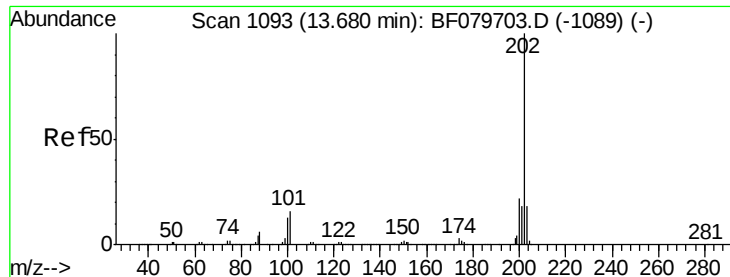


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

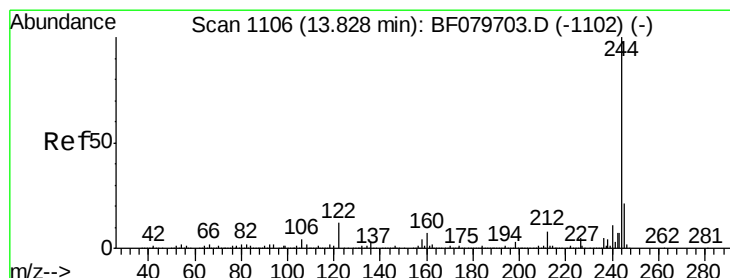
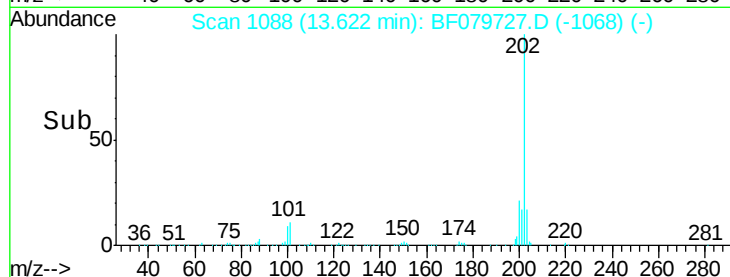
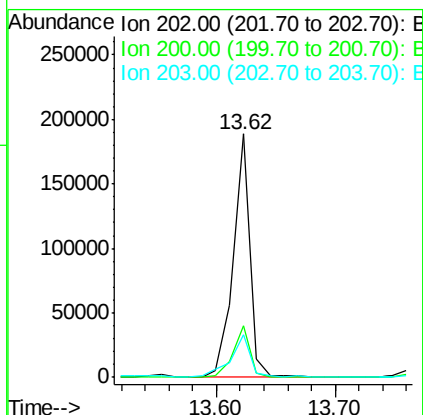
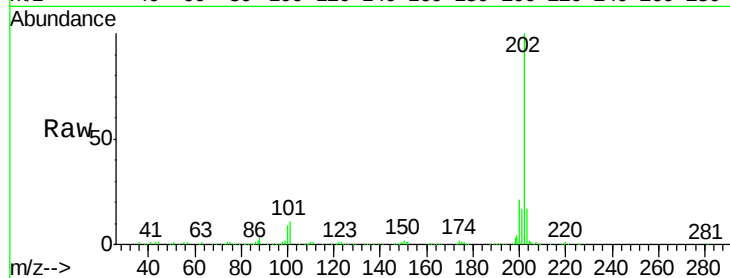




#77
 Pyrene
 Concen: 6.39 ng
 RT: 13.62 min Scan# 1088
 Delta R.T. 0.02 min
 Lab File: BF079727.D
 Acq: 5 Jun 2015 5:12

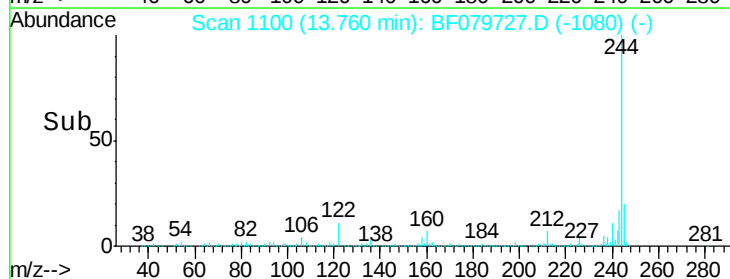
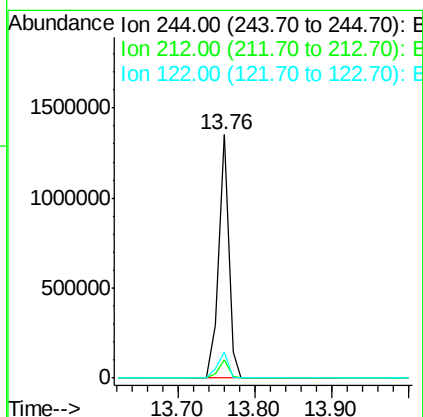
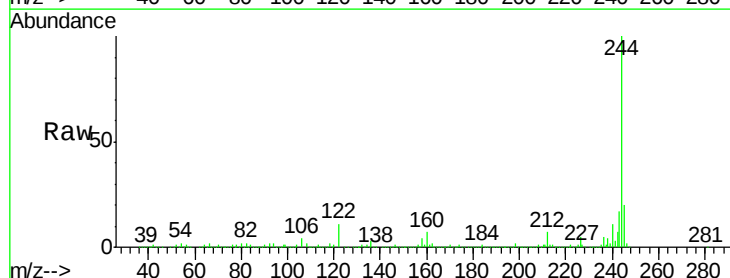
Instrument :
 BNA_F
 ClientSampleId :
 C-6

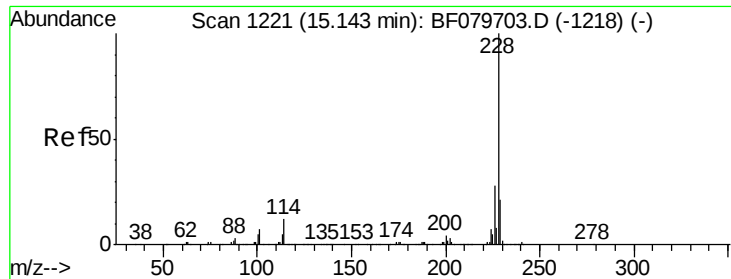
Tgt Ion: 202 Resp: 185097
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.5 26.3
 203 17.3 14.8 22.2



#78
 Terphenyl-d14
 Concen: 62.65 ng
 RT: 13.76 min Scan# 1100
 Delta R.T. 0.02 min
 Lab File: BF079727.D
 Acq: 5 Jun 2015 5:12

Tgt Ion: 244 Resp: 1238658
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 10.8 9.3 13.9

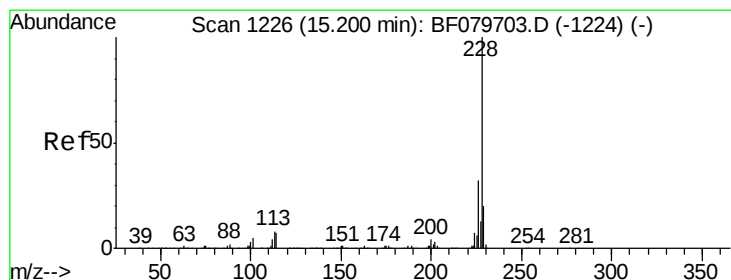
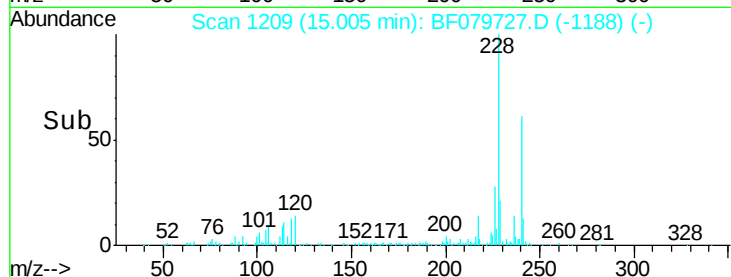
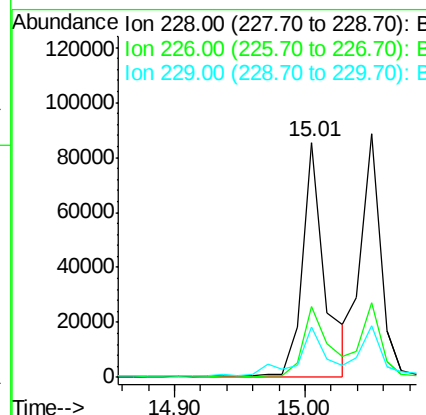
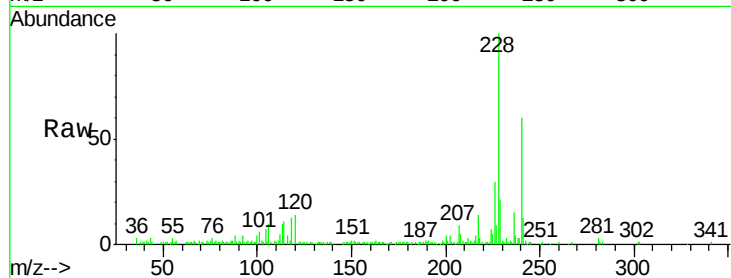




#80
Benzo(a)anthracene
Concen: 3.62 ng
RT: 15.01 min Scan# 1209
Delta R.T. 0.03 min
Lab File: BF079727.D
Acq: 5 Jun 2015 5:12

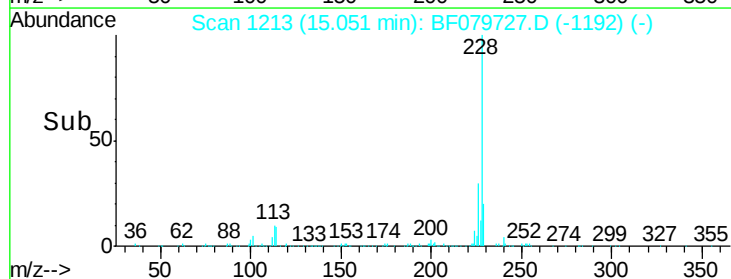
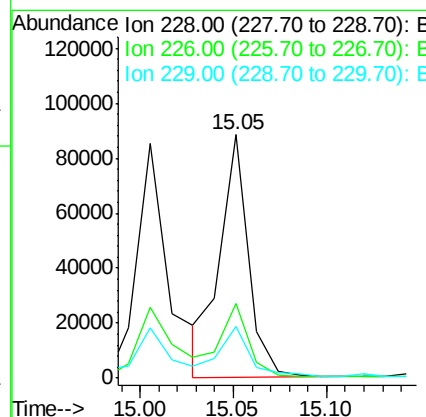
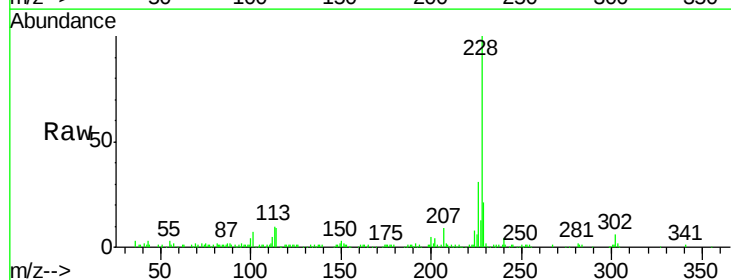
Instrument :
BNA_F
ClientSampleId :
C-6

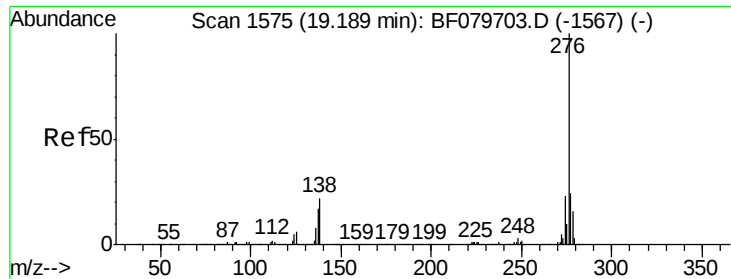
Tgt Ion:228 Resp: 103219
Ion Ratio Lower Upper
228 100
226 29.9 22.2 33.4
229 21.2 16.6 25.0



#82
Chrysene
Concen: 3.53 ng
RT: 15.05 min Scan# 1213
Delta R.T. 0.03 min
Lab File: BF079727.D
Acq: 5 Jun 2015 5:12

Tgt Ion:228 Resp: 93993
Ion Ratio Lower Upper
228 100
226 30.7 25.2 37.8
229 21.2 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.39 ng

RT: 18.96 min Scan# 1555

Delta R.T. 0.03 min

Lab File: BF079727.D

Acq: 5 Jun 2015 5:12

Instrument :

BNA_F

ClientSampleId :

C-6

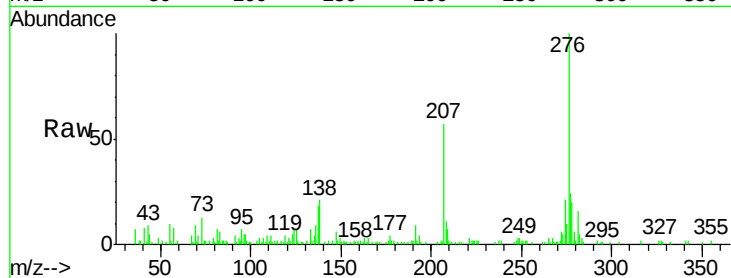
Tgt Ion:276 Resp: 71749

Ion Ratio Lower Upper

276 100

138 21.5 20.8 31.2

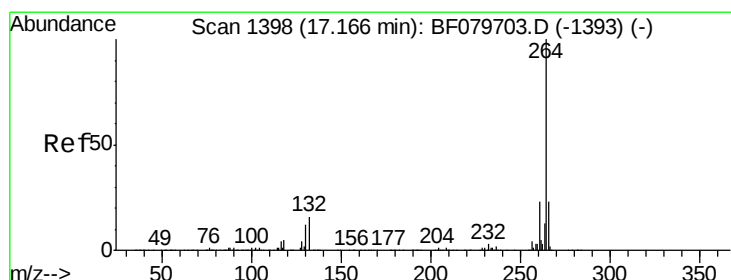
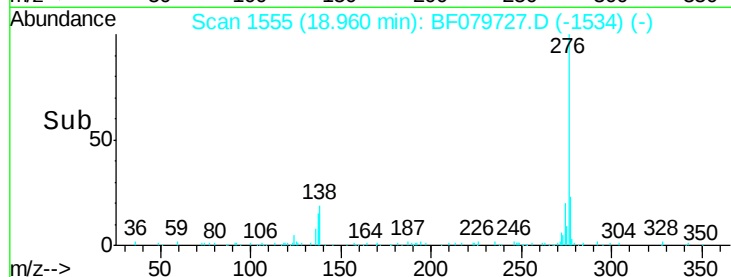
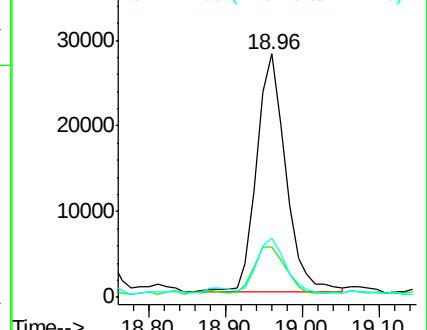
277 23.2 20.0 30.0



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: 16.96 min Scan# 1380

Delta R.T. 0.05 min

Lab File: BF079727.D

Acq: 5 Jun 2015 5:12

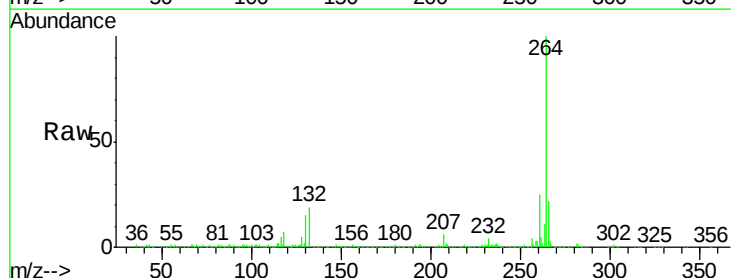
Tgt Ion:264 Resp: 464766

Ion Ratio Lower Upper

264 100

260 24.5 18.6 27.8

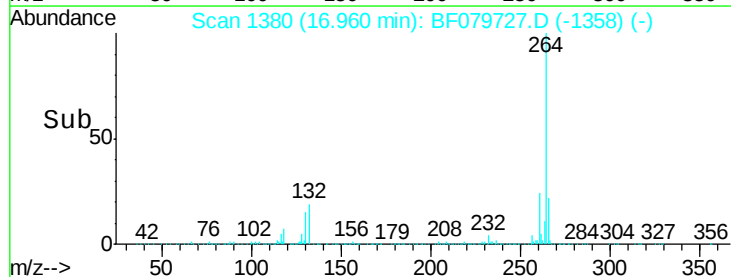
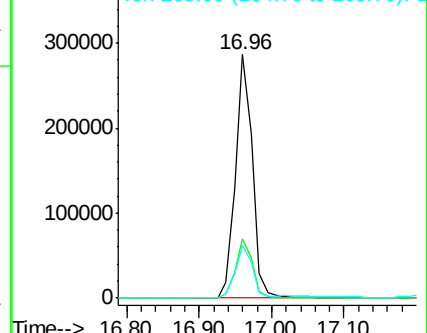
265 21.9 18.2 27.4

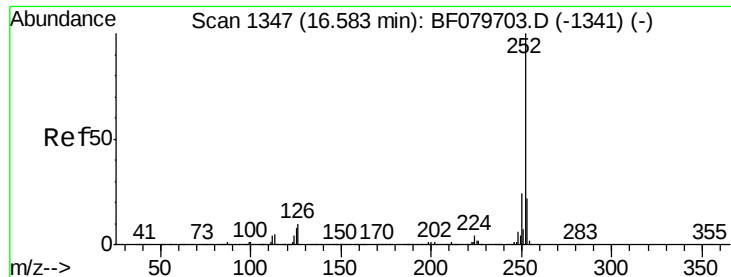


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

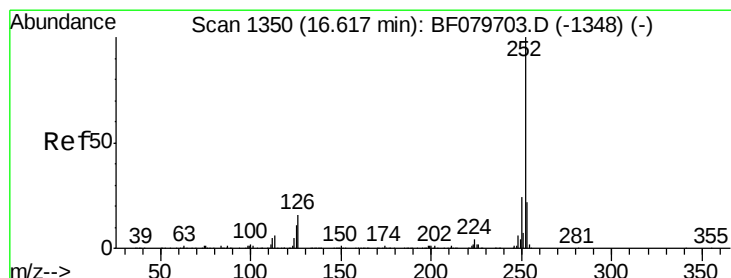
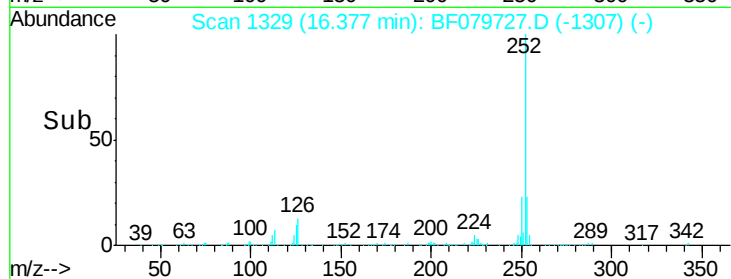
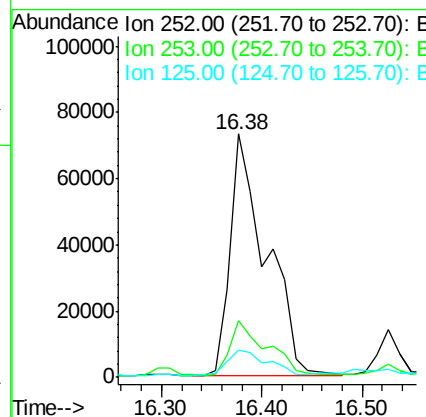
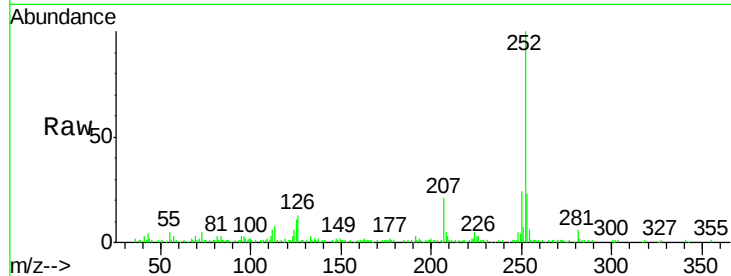




#87
Benzo(b)fluoranthene
Concen: 6.09 ng
RT: 16.38 min Scan# 1329
Delta R.T. 0.05 min
Lab File: BF079727.D
Acq: 5 Jun 2015 5:12

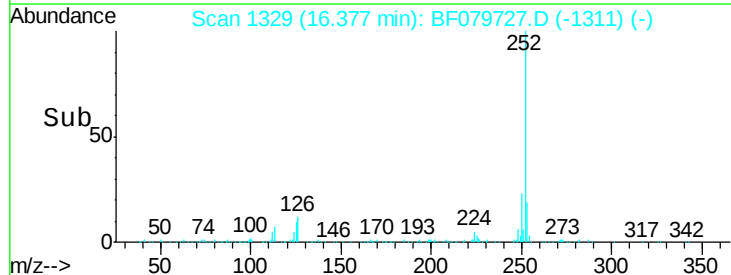
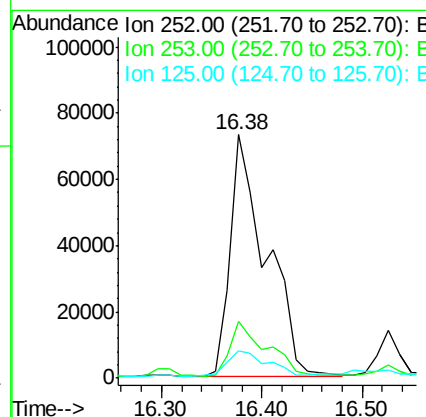
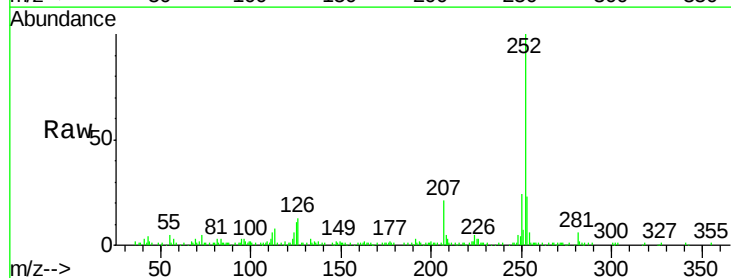
Instrument :
BNA_F
ClientSampleId :
C-6

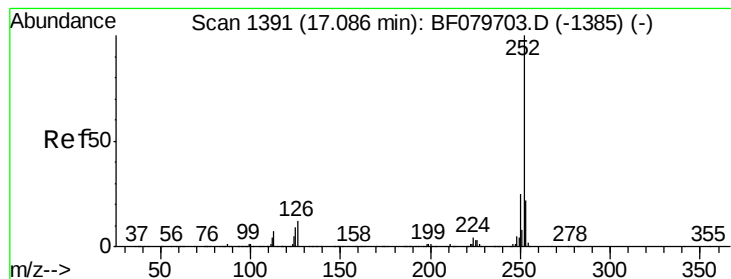
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	11.0	6.5	9.7#



#88
Benzo(k)fluoranthene
Concen: 6.38 ng
RT: 16.38 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BF079727.D
Acq: 5 Jun 2015 5:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	11.0	8.4	12.6





#89

Benzo(a)pyrene

Concen: 3.38 ng

RT: 16.87 min Scan# 1372

Delta R.T. 0.03 min

Lab File: BF079727.D

Acq: 5 Jun 2015 5:12

Instrument :

BNA_F

ClientSampleId :

C-6

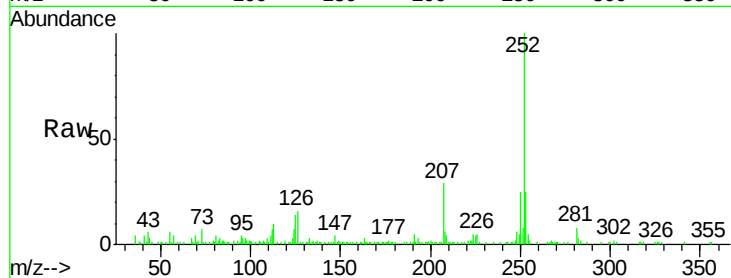
Tgt Ion:252 Resp: 92640

Ion Ratio Lower Upper

252 100

253 24.5 17.6 26.4

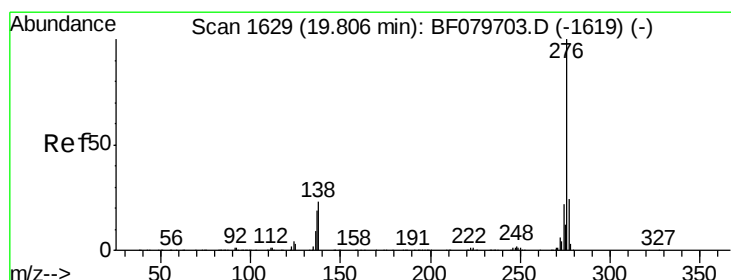
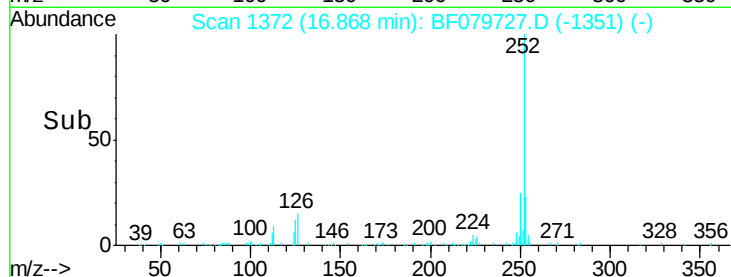
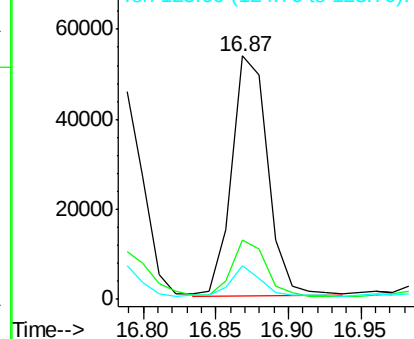
125 13.8 7.4 11.0#



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



#91

Benzo(g,h,i)perylene

Concen: 2.72 ng

RT: 19.57 min Scan# 1608

Delta R.T. 0.03 min

Lab File: BF079727.D

Acq: 5 Jun 2015 5:12

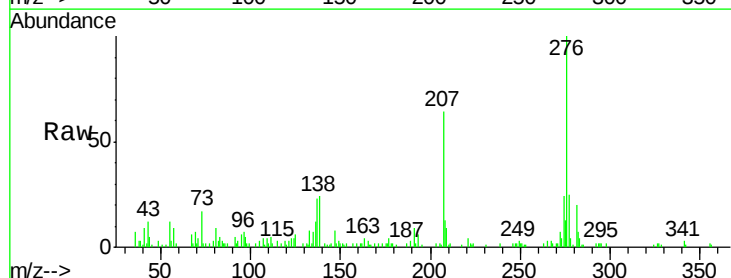
Tgt Ion:276 Resp: 70417

Ion Ratio Lower Upper

276 100

277 24.9 18.8 28.2

138 24.3 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

