

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 04:01:24 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

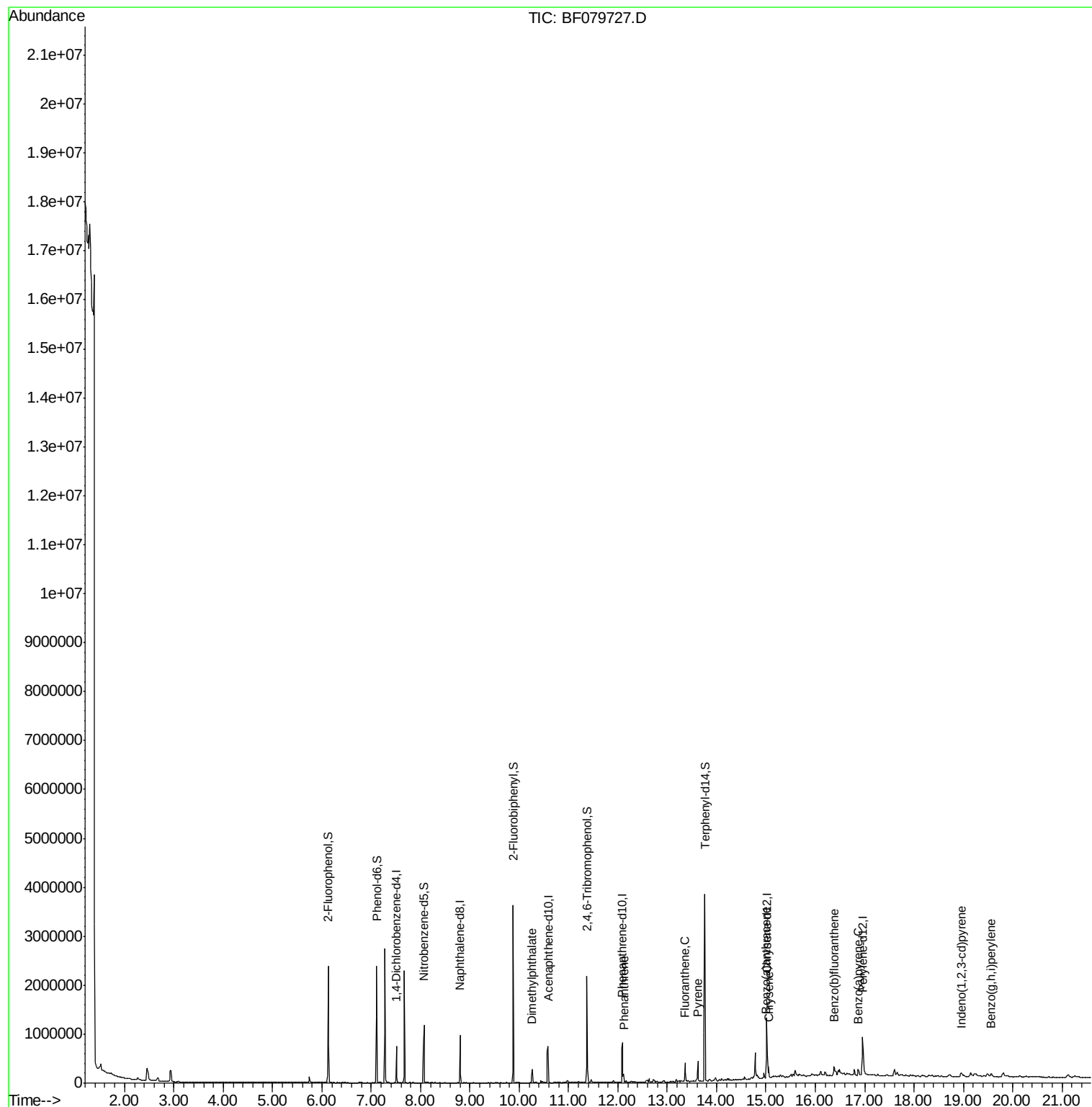
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	102205	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	399346	20.00	ng	0.00
38) Acenaphthene-d10	10.58	164	208989	20.00	ng	0.00
63) Phenanthrene-d10	12.09	188	424258	20.00	ng	0.01
75) Chrysene-d12	15.02	240	465817	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	Qvalue # 98
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	131995m	4.40	ng	
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

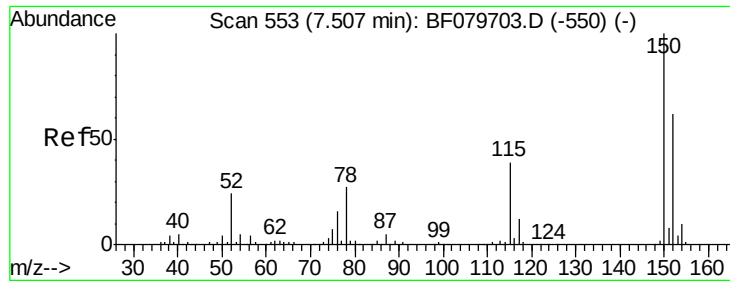
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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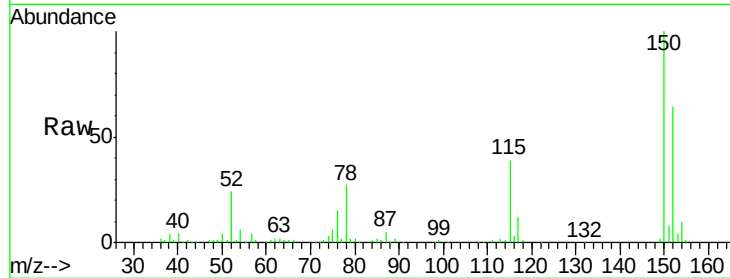


#1

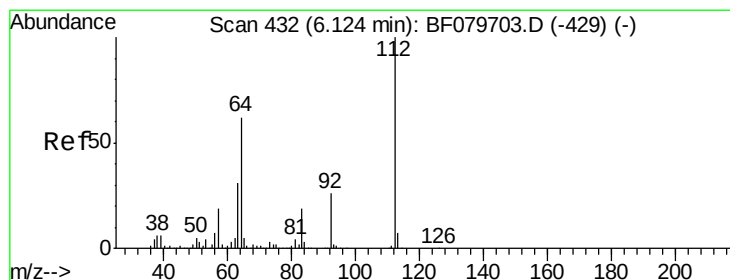
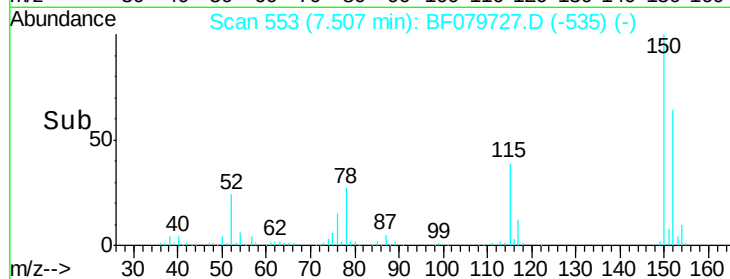
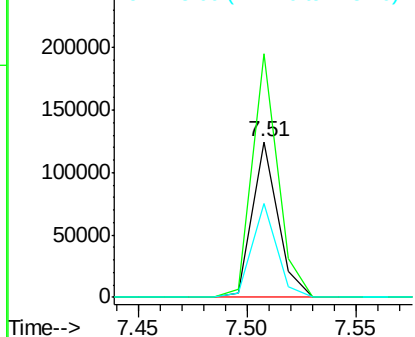
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.51 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF079727.D
Acq: 5 Jun 2015 5:12

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



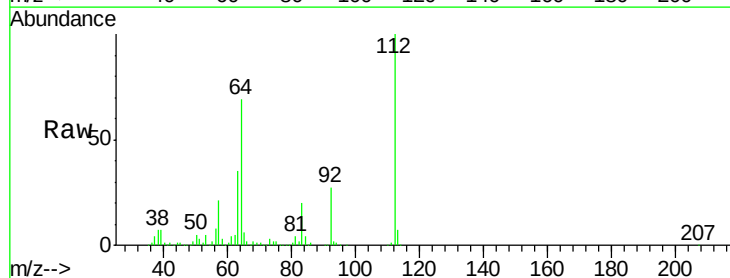
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



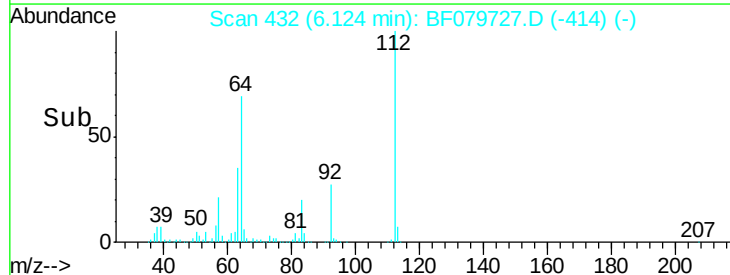
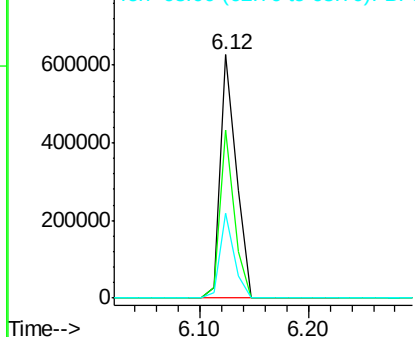
#5

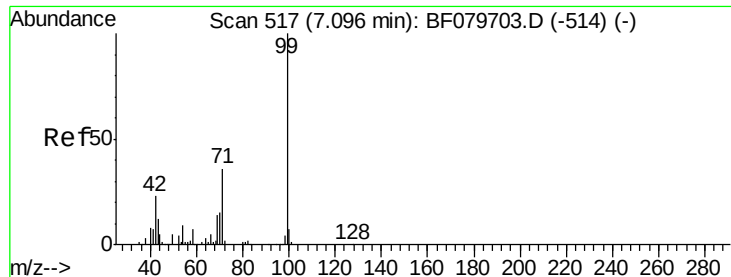
2-Fluorophenol
Concen: 108.10 ng
RT: 6.12 min Scan# 432
Delta R.T. 0.00 min
Lab File: BF079727.D
Acq: 5 Jun 2015 5:12

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

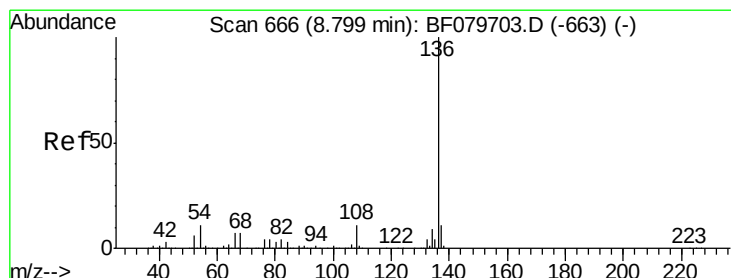
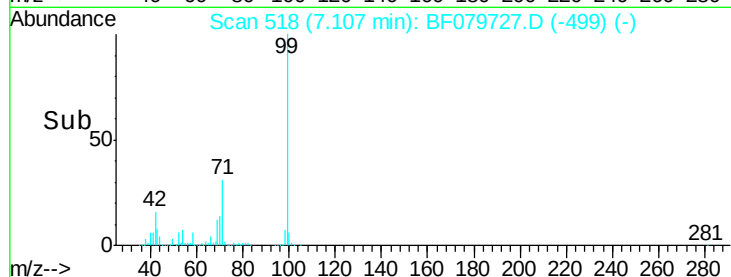
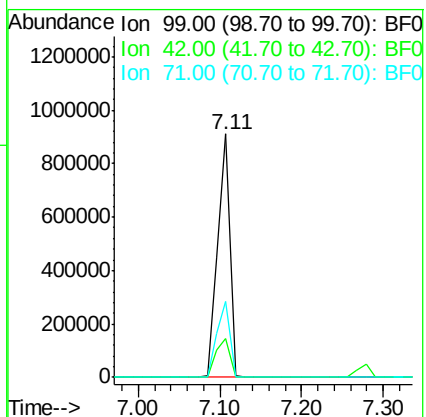
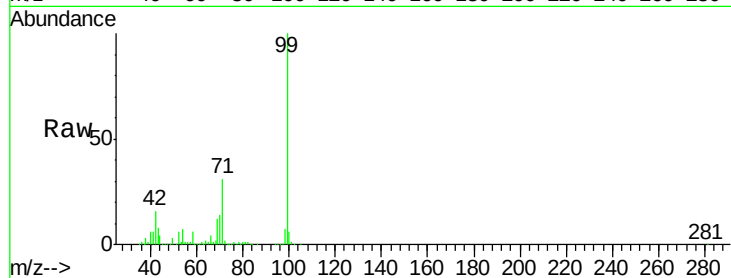
Tgt Ion: 99 Resp: 946945

Ion Ratio Lower Upper

99 100

42 15.8 18.0 27.0#

71 31.1 28.4 42.6



#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

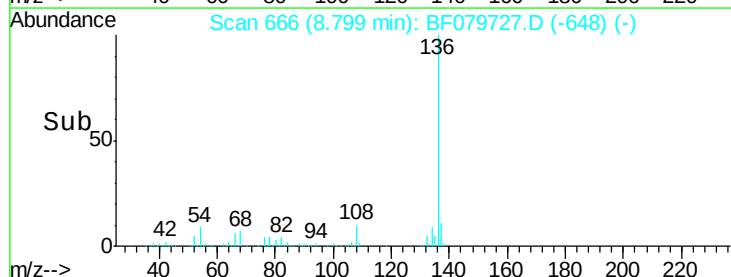
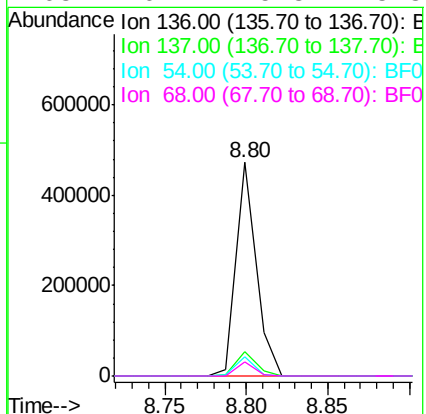
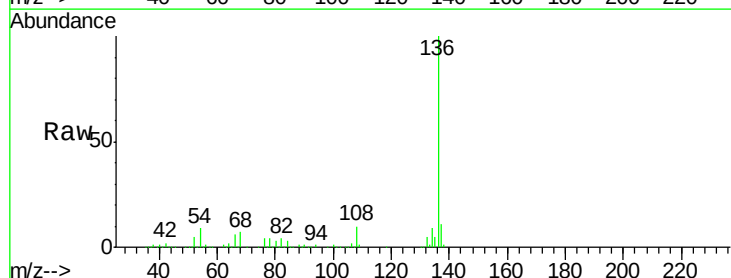
Ion Ratio Lower Upper

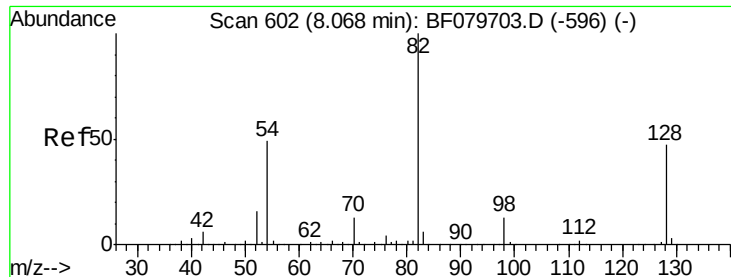
136 100

137 11.2 8.8 13.2

54 9.0 8.7 13.1

68 6.7 5.8 8.8





#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

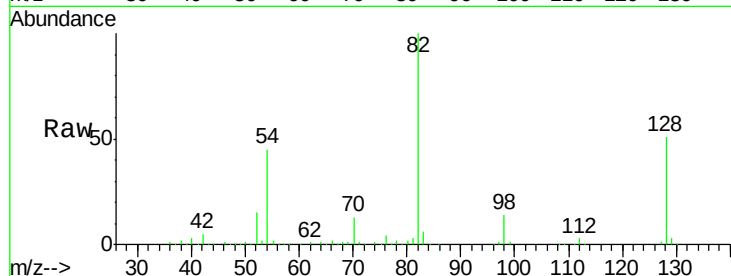
Tgt Ion: 82 Resp: 470555

Ion Ratio Lower Upper

82 100

128 51.0 37.6 56.4

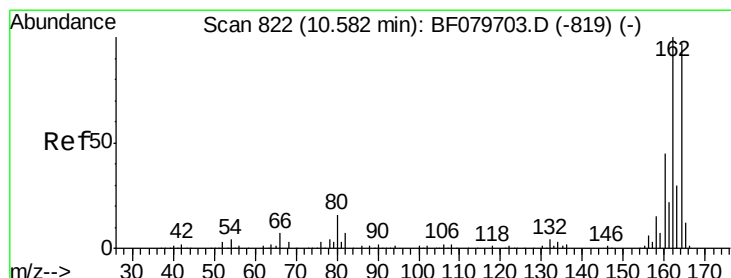
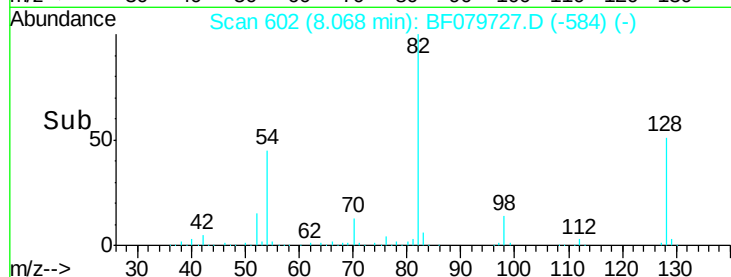
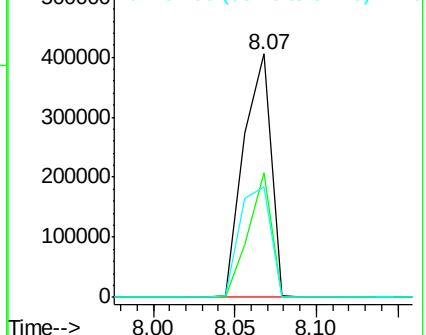
54 45.2 39.4 59.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

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: BF079727.D

Acq: 5 Jun 2015 5:12

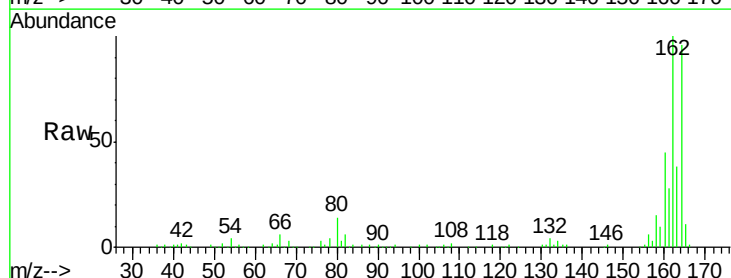
Tgt Ion: 164 Resp: 208989

Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

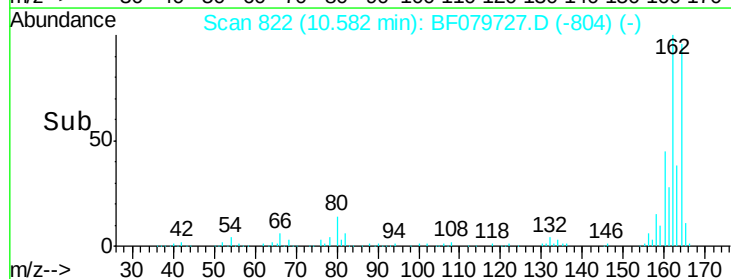
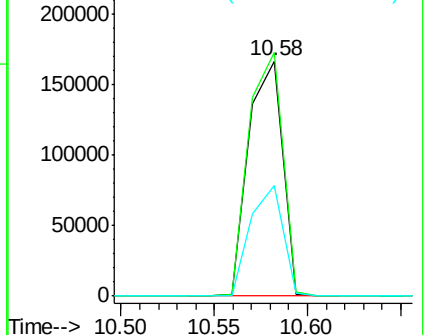
160 47.2 36.8 55.2

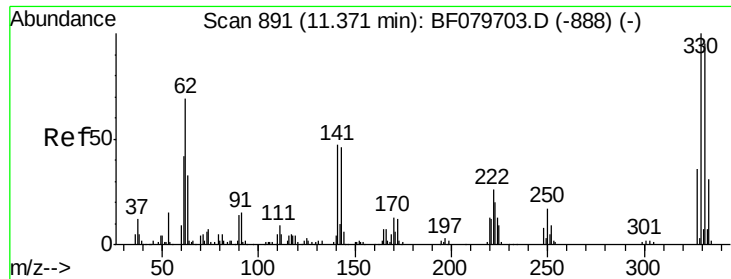


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

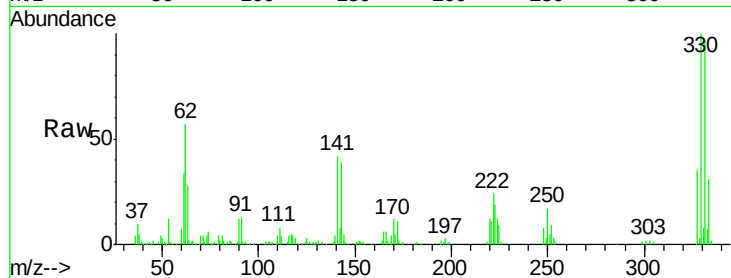




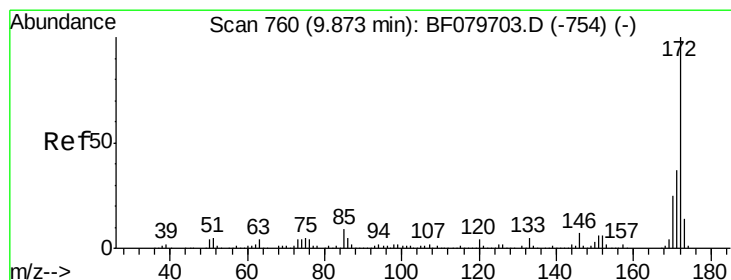
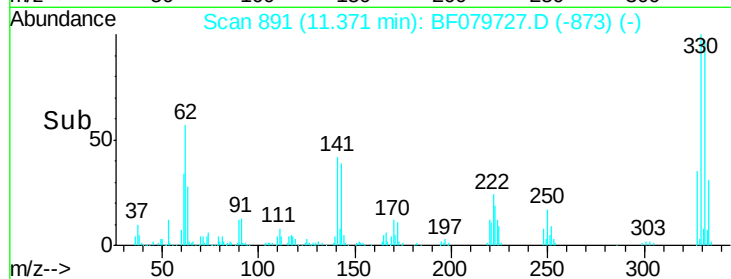
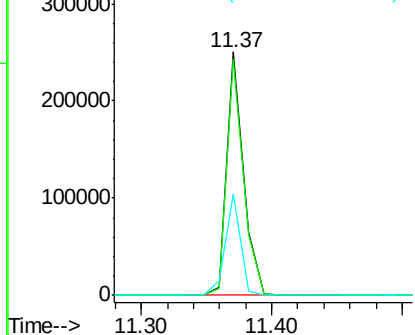
#41
 2,4,6-Tribromophenol
 Concen: 119.75 ng
 RT: 11.37 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF079727.D
 Acq: 5 Jun 2015 5:12

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

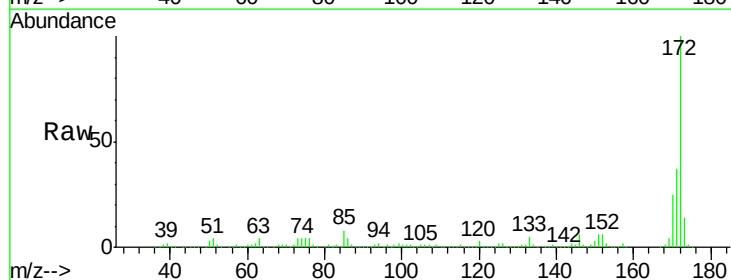


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

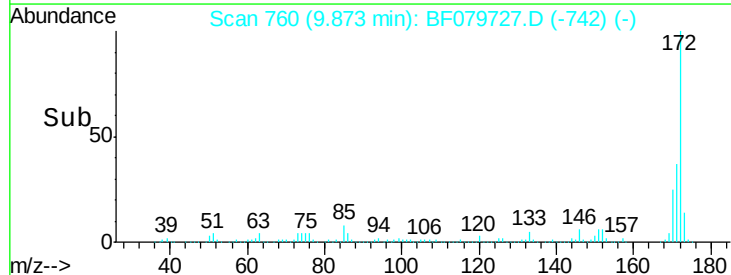
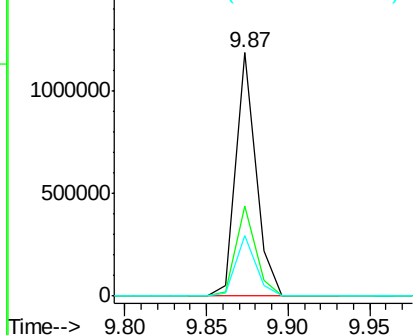


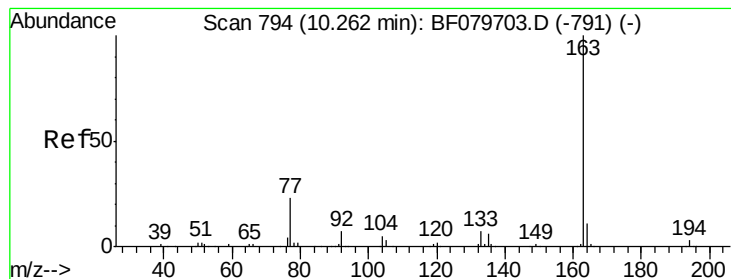
#44
 2-Fluorobiphenyl
 Concen: 69.50 ng
 RT: 9.87 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF079727.D
 Acq: 5 Jun 2015 5:12

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 :

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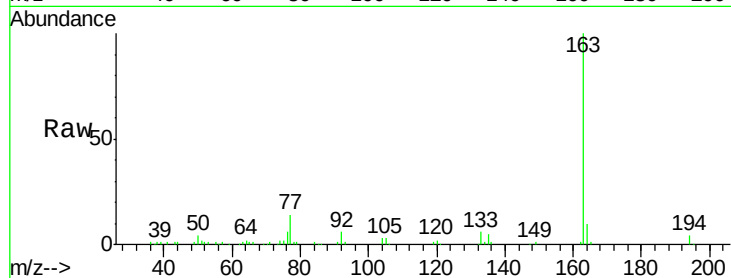
Tgt Ion:163 Resp: 134236

Ion Ratio Lower Upper

163 100

194 4.0 2.6 3.8#

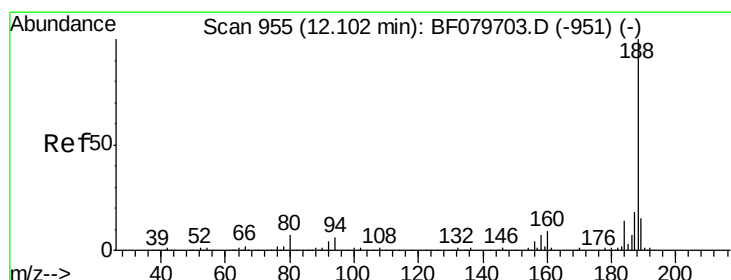
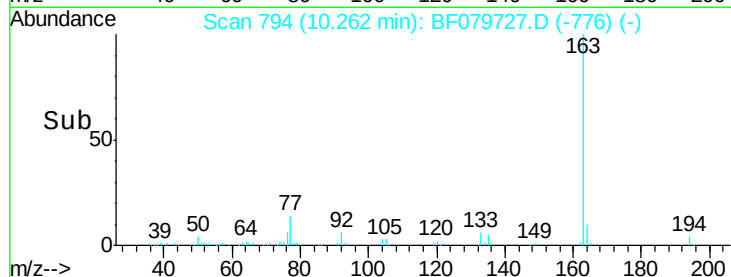
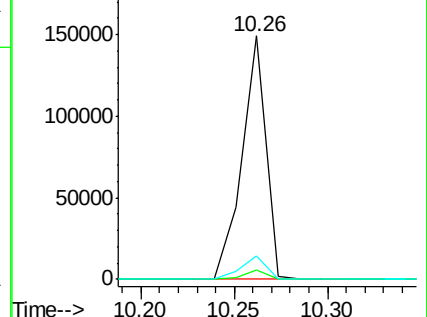
164 9.9 8.5 12.7



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



#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

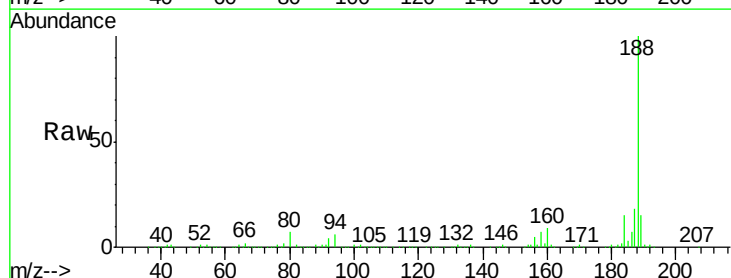
Tgt Ion:188 Resp: 424258

Ion Ratio Lower Upper

188 100

94 6.4 5.0 7.4

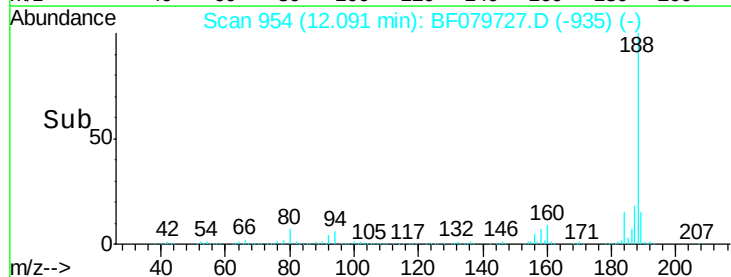
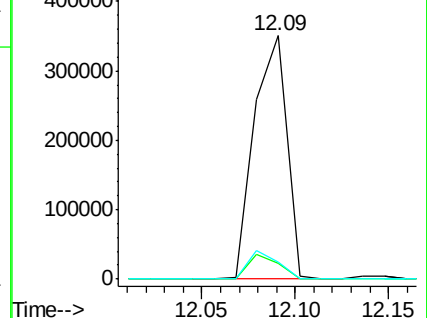
80 6.8 5.3 7.9

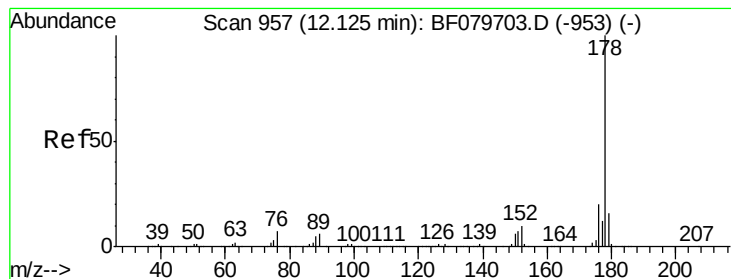


Abundance Ion 188.00 (187.70 to 188.70): E

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

Instrument :

BNA_F

ClientSampleId :

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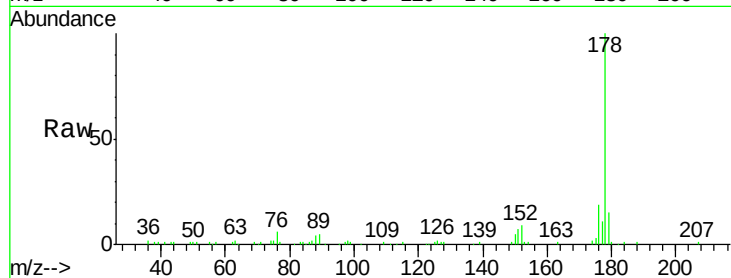
Tgt Ion:178 Resp: 81320

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.4

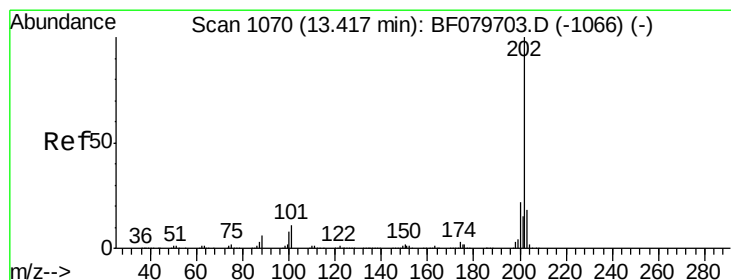
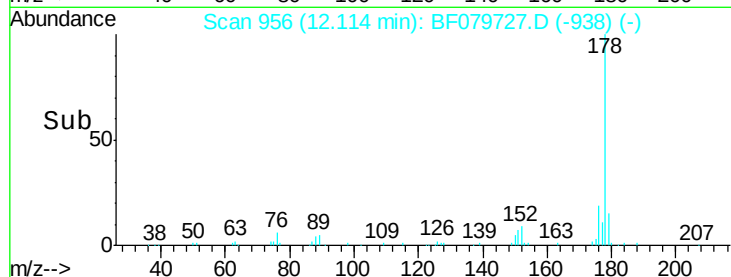
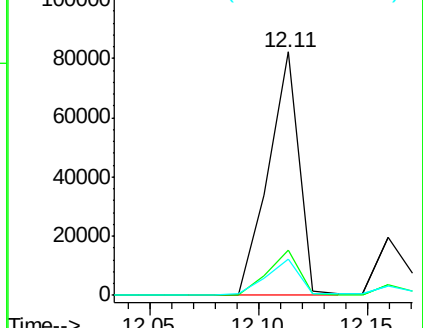
179 14.7 12.6 19.0



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

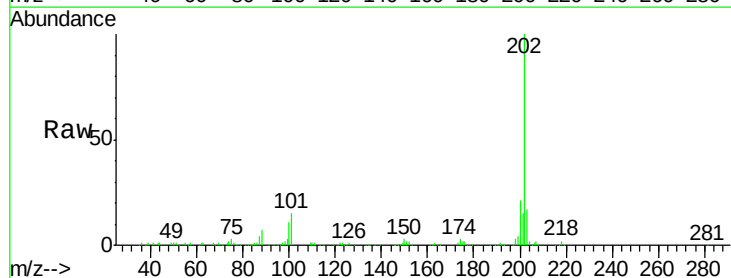
Tgt Ion:202 Resp: 187123

Ion Ratio Lower Upper

202 100

101 15.0 0.0 31.3

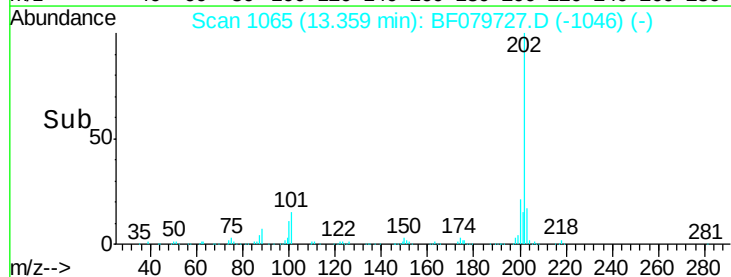
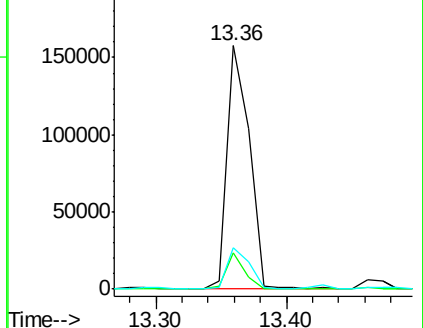
203 17.2 0.0 38.4

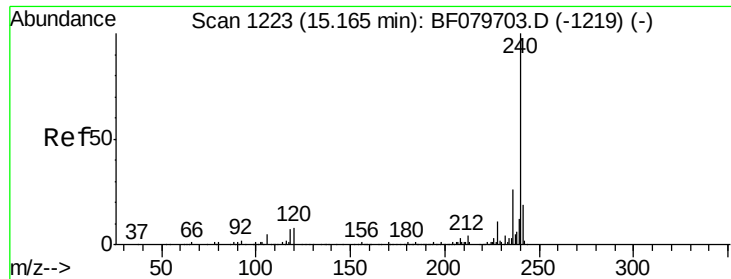


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

BNA_F

ClientSampleId :

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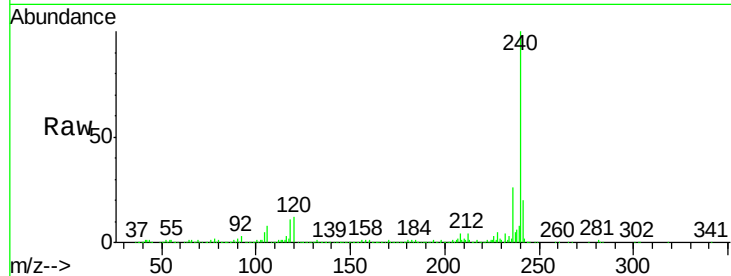
Tgt Ion:240 Resp: 465817

Ion Ratio Lower Upper

240 100

120 12.4 6.2 9.2#

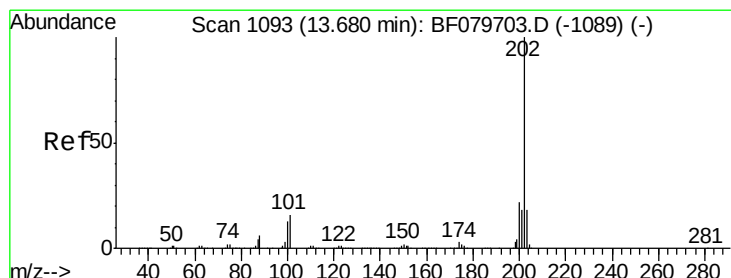
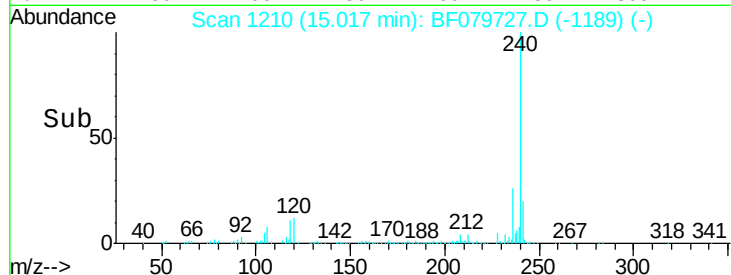
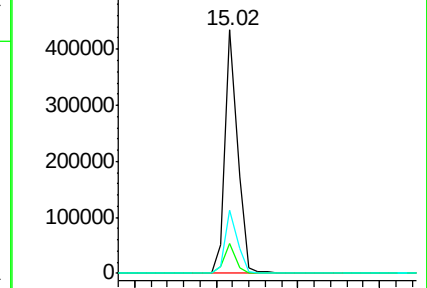
236 25.9 21.0 31.4



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

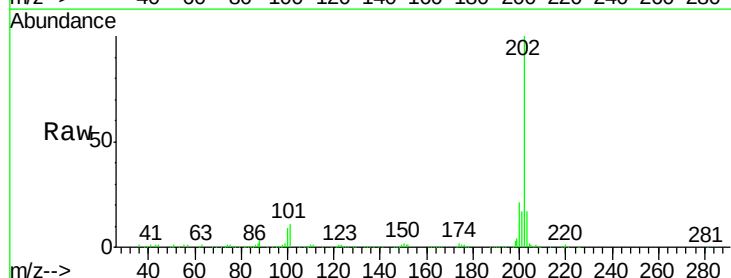
Tgt Ion:202 Resp: 185097

Ion Ratio Lower Upper

202 100

200 21.1 17.5 26.3

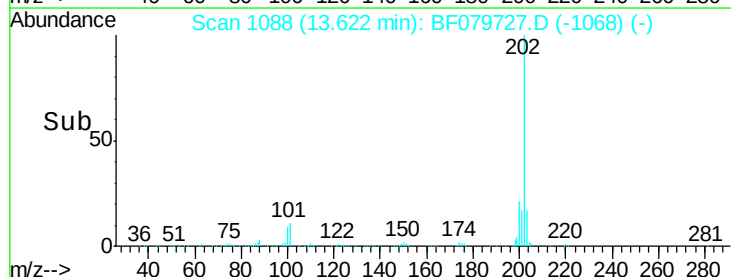
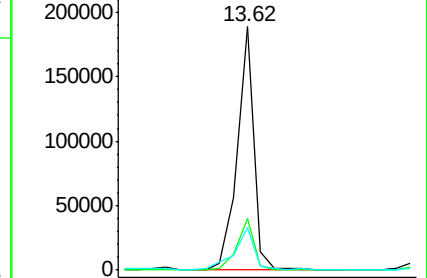
203 17.3 14.8 22.2

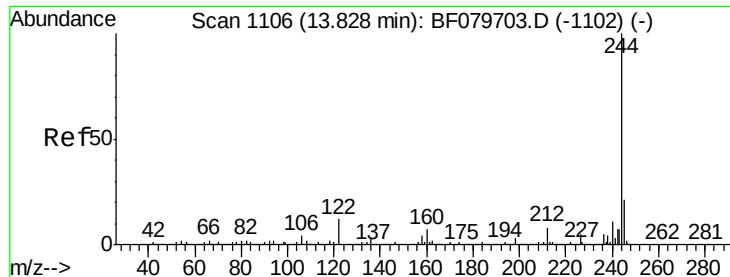


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 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

Instrument :

BNA_F

ClientSampleId :

C-6

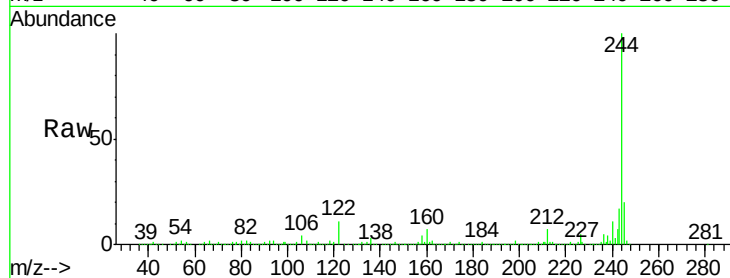
Tgt Ion:244 Resp: 1238658

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

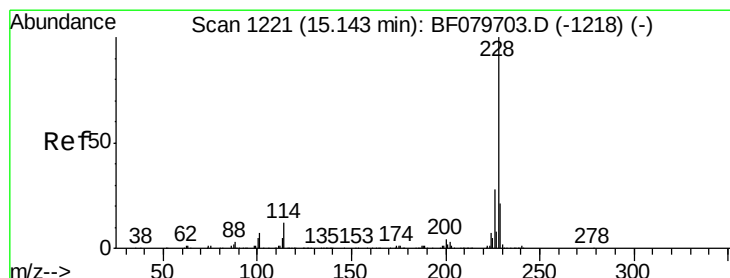
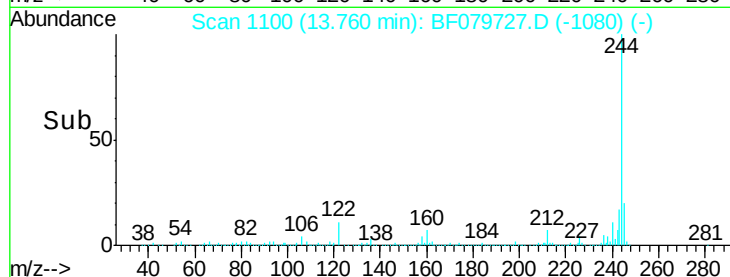
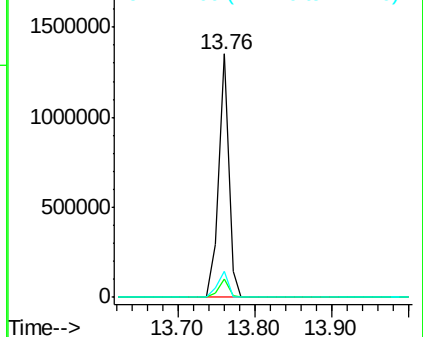
122 10.8 9.3 13.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#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

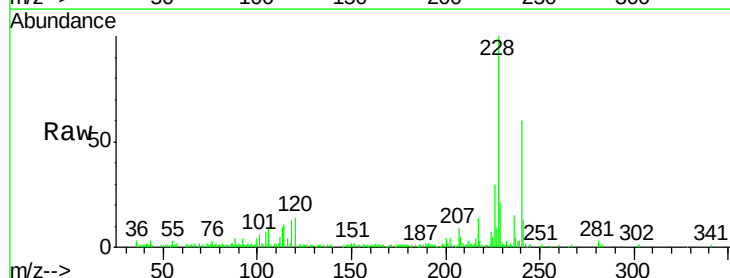
Tgt Ion:228 Resp: 103219

Ion Ratio Lower Upper

228 100

226 29.9 22.2 33.4

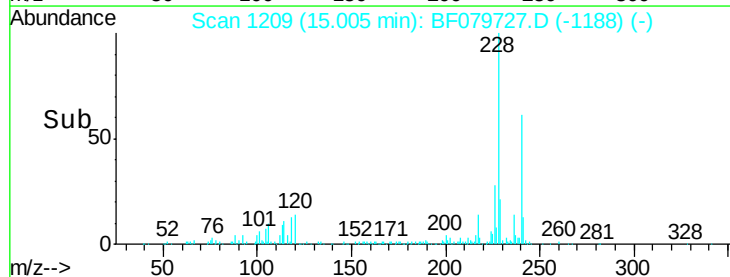
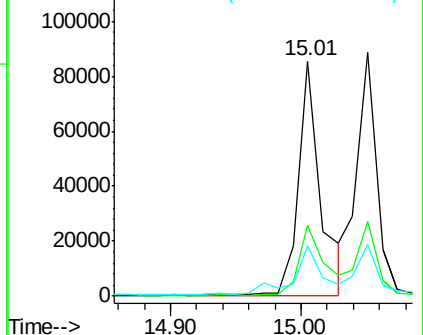
229 21.2 16.6 25.0

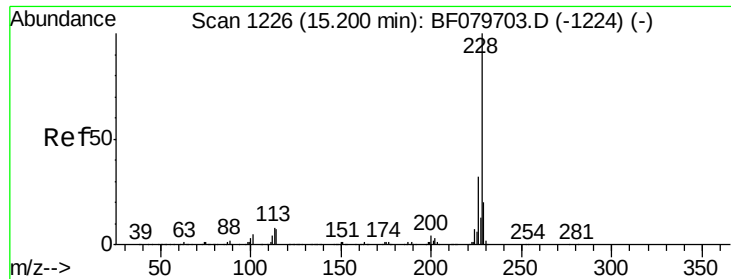


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 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

Instrument :

BNA_F

ClientSampleId :

C-6

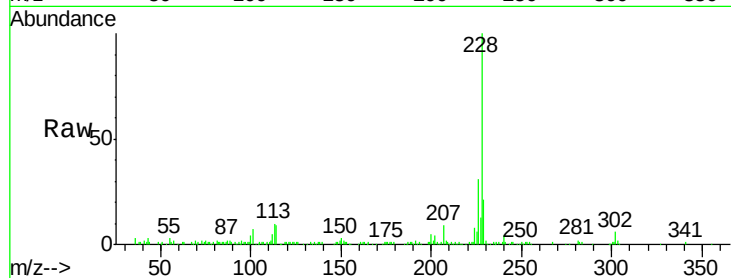
Tgt Ion:228 Resp: 93993

Ion Ratio Lower Upper

228 100

226 30.7 25.2 37.8

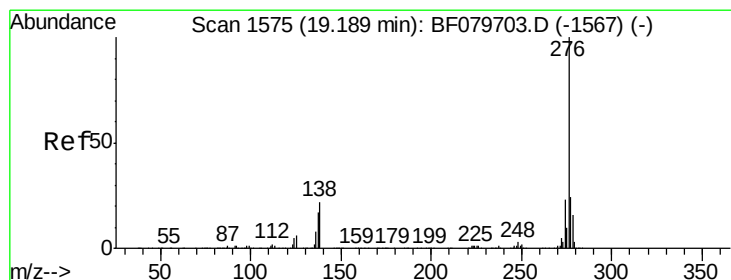
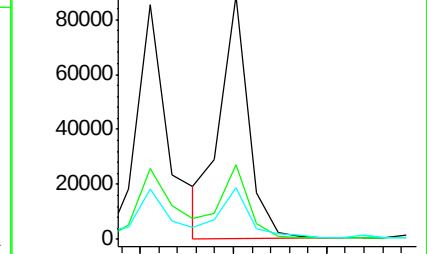
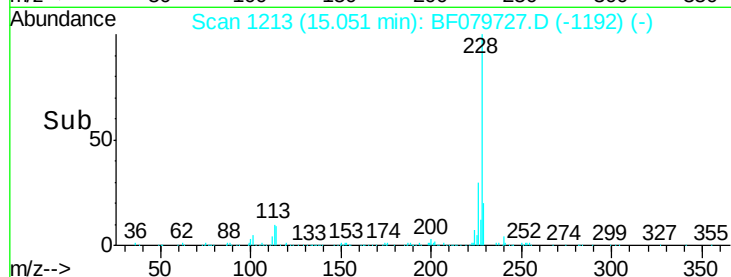
229 21.2 16.2 24.4



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



#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

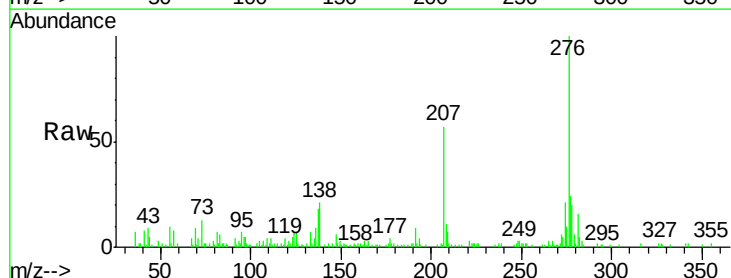
Tgt Ion:276 Resp: 71749

Ion Ratio Lower Upper

276 100

138 21.5 20.8 31.2

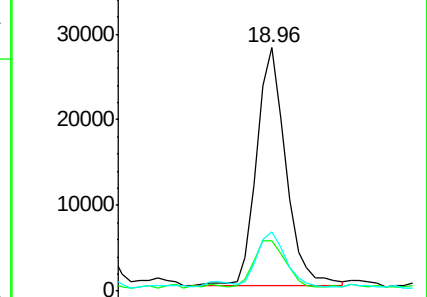
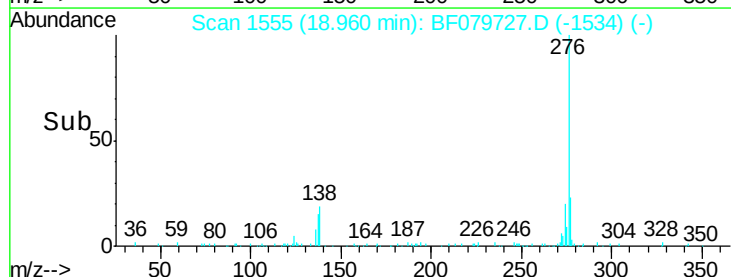
277 23.2 20.0 30.0

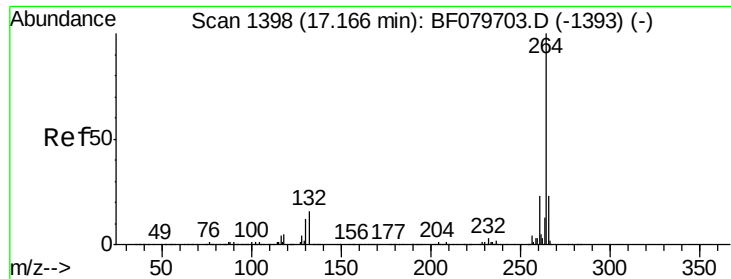


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



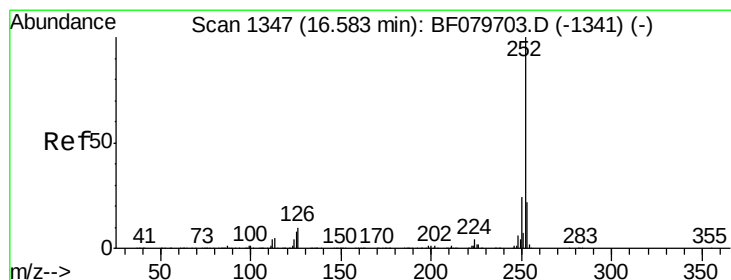
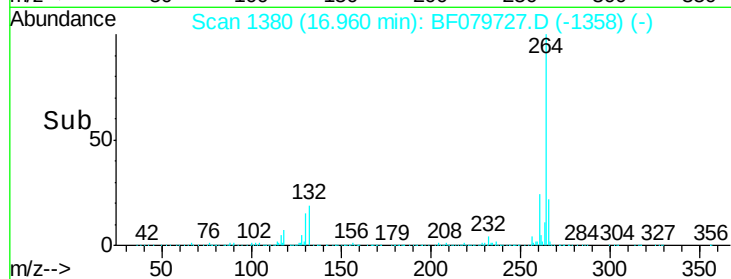
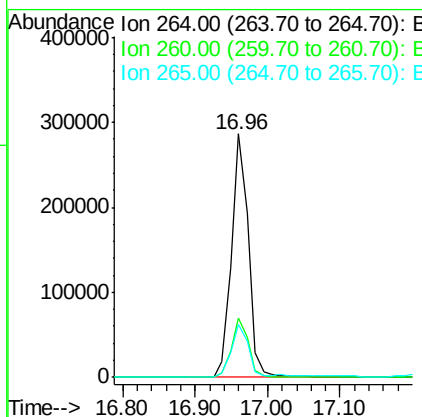
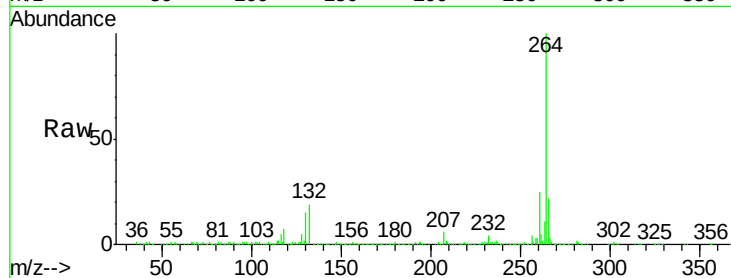


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.96 min Scan# 1380
Delta R.T. 0.05 min
Lab File: BF079727.D
Acq: 5 Jun 2015 5:12

Instrument :
BNA_F
ClientSampleId :
C-6

Tgt Ion: 264 Resp: 464766

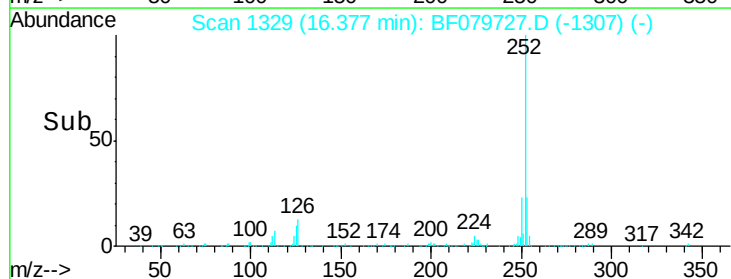
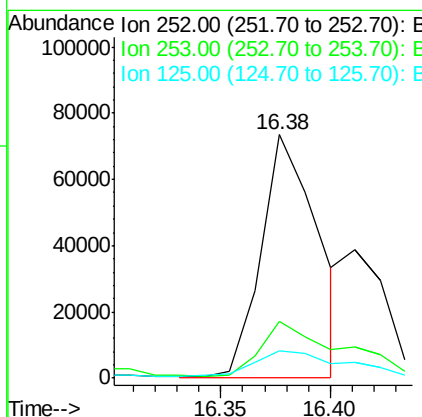
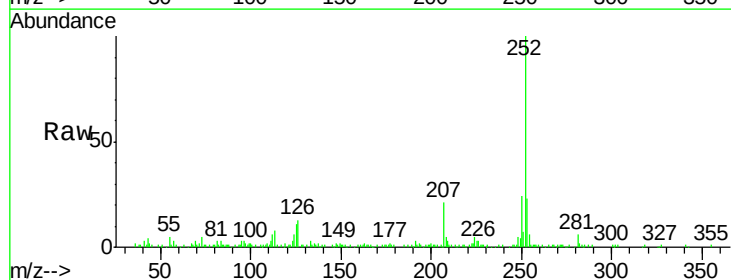
Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.6	27.8
265	21.9	18.2	27.4

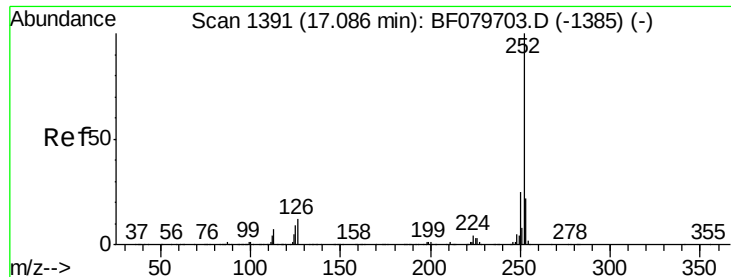


#87
Benzo(b)fluoranthene
Concen: 4.40 ng m
RT: 16.38 min Scan# 1329
Delta R.T. 0.05 min
Lab File: BF079727.D
Acq: 5 Jun 2015 5:12

Tgt Ion: 252 Resp: 131995

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





#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

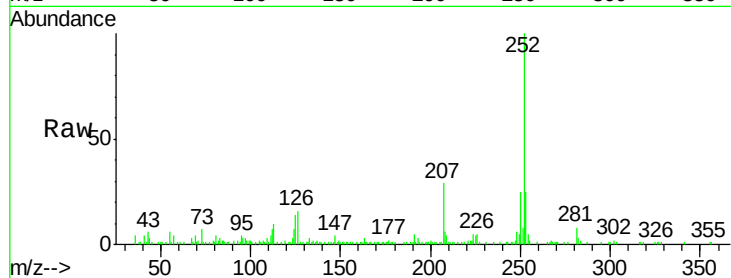
Tgt Ion:252 Resp: 92640

Ion Ratio Lower Upper

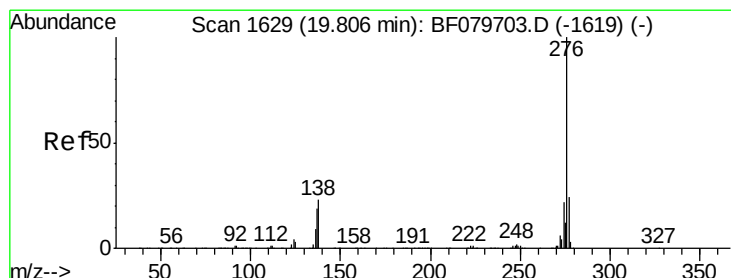
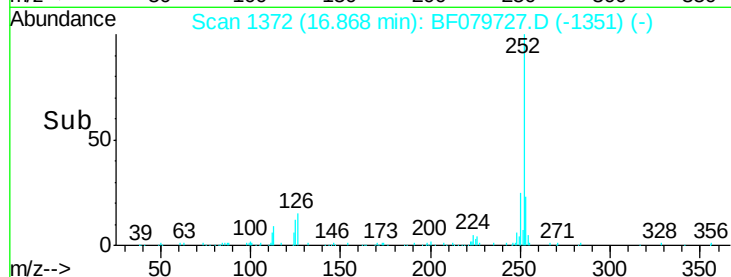
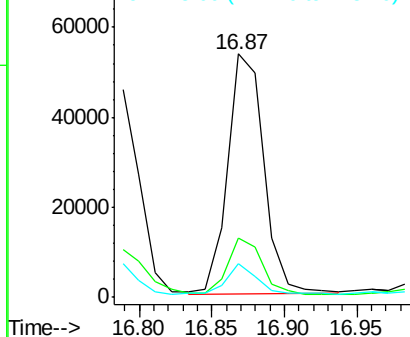
252 100

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

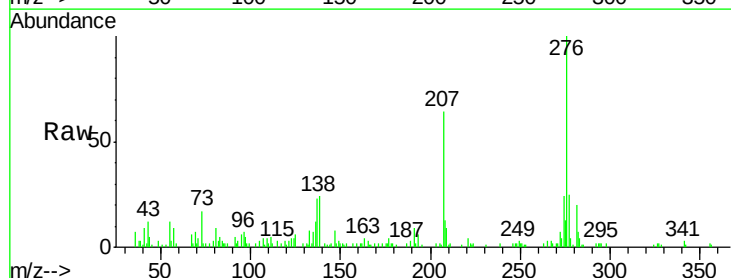
Tgt Ion:276 Resp: 70417

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

