

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
 Data File : BF079728.D
 Acq On : 5 Jun 2015 5:41
 Operator : TP/IZ
 Sample : G2474-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-7

Quant Time: Jun 06 03:34:48 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

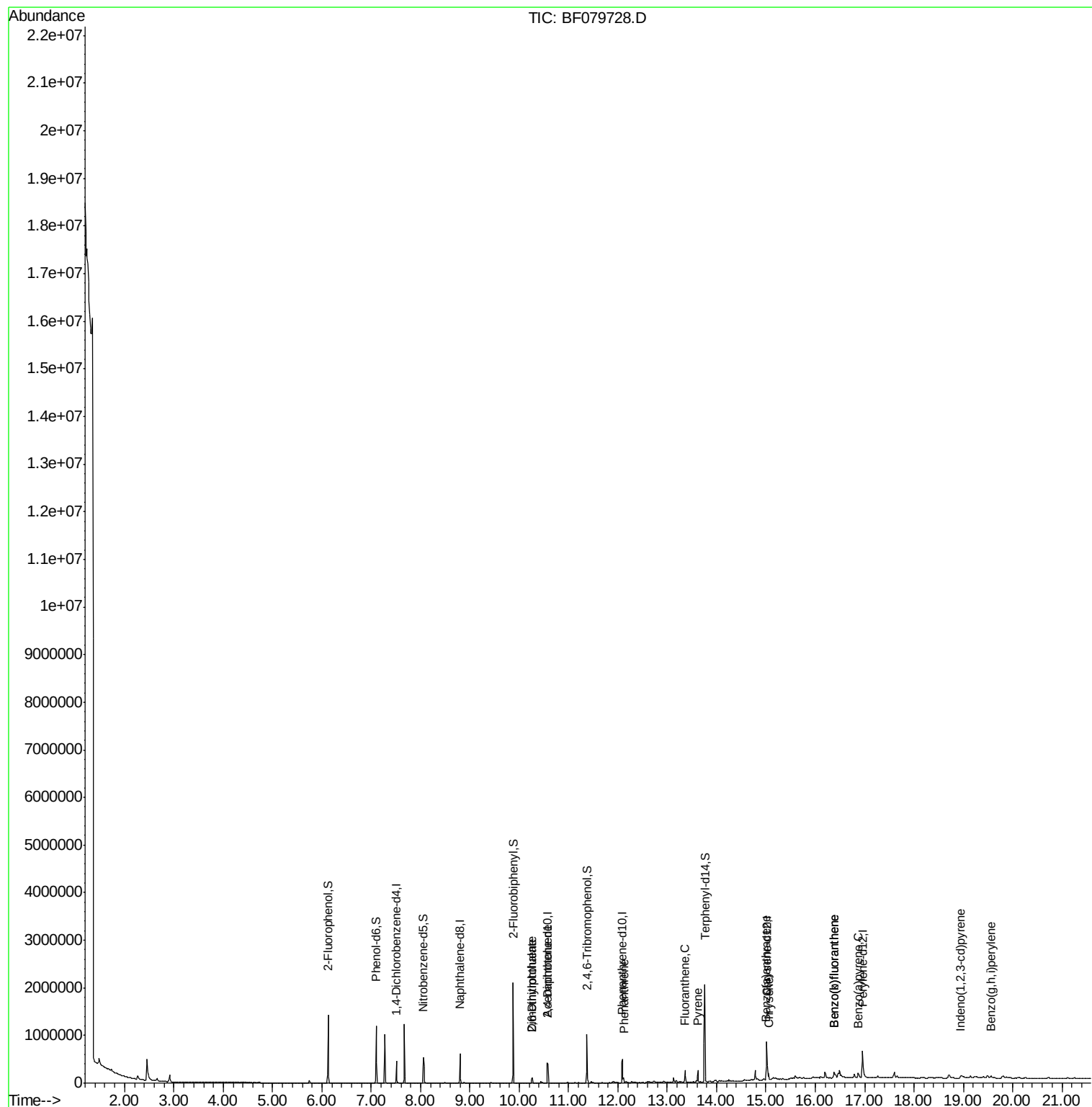
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	63113	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	244634	20.00	ng	0.00
38) Acenaphthene-d10	10.57	164	123074	20.00	ng	-0.01
63) Phenanthrene-d10	12.09	188	263547	20.00	ng	0.01
75) Chrysene-d12	15.02	240	300864	20.00	ng	0.03
86) Perylene-d12	16.96	264	307750	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	337335	91.65	ng	0.00
7) Phenol-d6	7.10	99	408804	85.32	ng	0.00
23) Nitrobenzene-d5	8.06	82	211004	52.52	ng	-0.01
41) 2,4,6-Tribromophenol	11.37	330	113621	102.81	ng	0.00
44) 2-Fluorobiphenyl	9.87	172	579403	68.16	ng	0.00
78) Terphenyl-d14	13.76	244	723002	56.62	ng	0.02
Target Compounds						Qvalue
49) Dimethylphthalate	10.26	163	61342	6.47	ng	98
50) 2,6-Dinitrotoluene	10.26	165	506	3.32	ng	# 41
56) 2,4-Dinitrotoluene	10.57	165	15225	7.58	ng	# 32
70) Phenanthrene	12.11	178	47859	3.12	ng	96
74) Fluoranthene	13.36	202	122815	7.39	ng	96
77) Pyrene	13.62	202	115216	6.16	ng	97
80) Benzo(a)anthracene	15.01	228	63094	3.43	ng	97
82) Chrysene	15.05	228	59731	3.47	ng	99
85) Indeno(1,2,3-cd)pyrene	18.95	276	48393	2.49	ng	# 93
87) Benzo(b)fluoranthene	16.38	252	120290	6.06	ng	# 97
88) Benzo(k)fluoranthene	16.38	252	120199	6.35	ng	99
89) Benzo(a)pyrene	16.87	252	60405	3.33	ng	# 95
91) Benzo(g,h,i)perylene	19.57	276	50736	2.96	ng	96

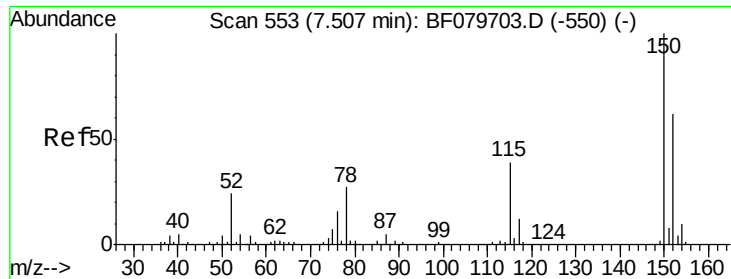
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF079728.D

Acq: 5 Jun 2015 5:41

Instrument :

BNA_F

ClientSampleId :

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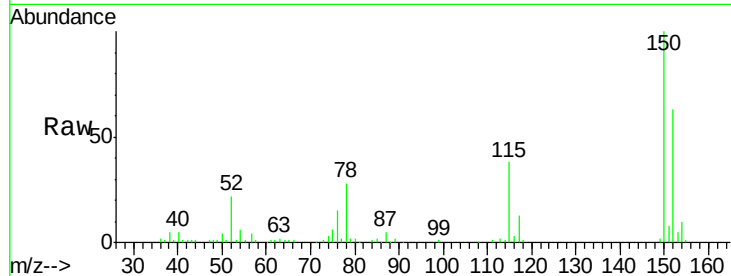
Tgt Ion:152 Resp: 63113

Ion Ratio Lower Upper

152 100

150 158.9 128.1 192.1

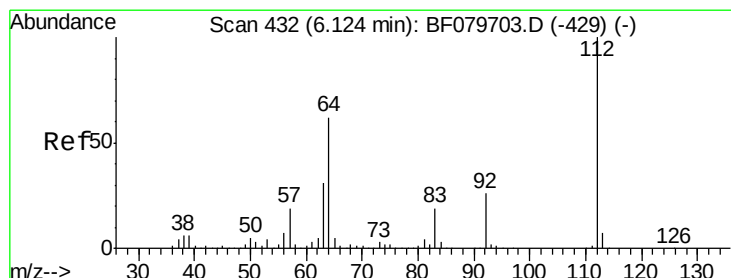
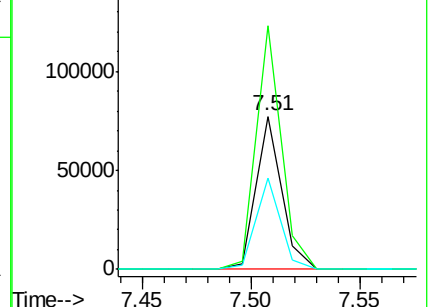
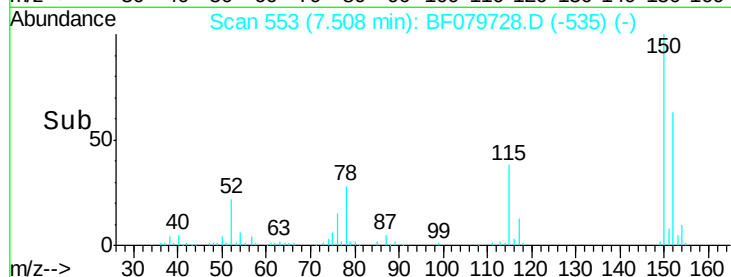
115 59.6 49.7 74.5



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: 91.65 ng

RT: 6.12 min Scan# 432

Delta R.T. 0.00 min

Lab File: BF079728.D

Acq: 5 Jun 2015 5:41

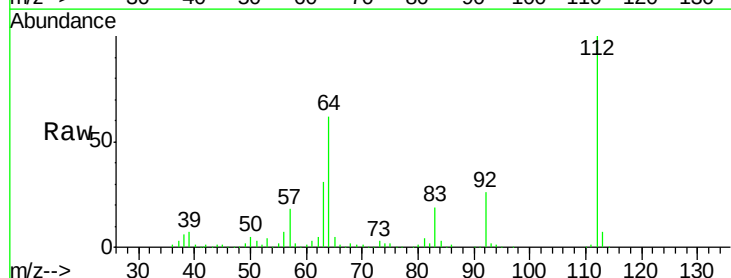
Tgt Ion:112 Resp: 337335

Ion Ratio Lower Upper

112 100

64 61.8 49.6 74.4

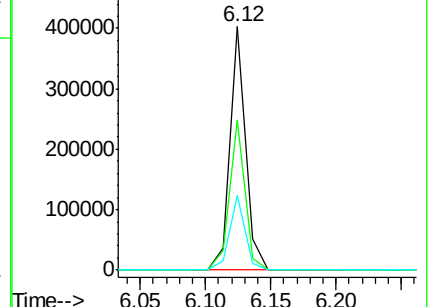
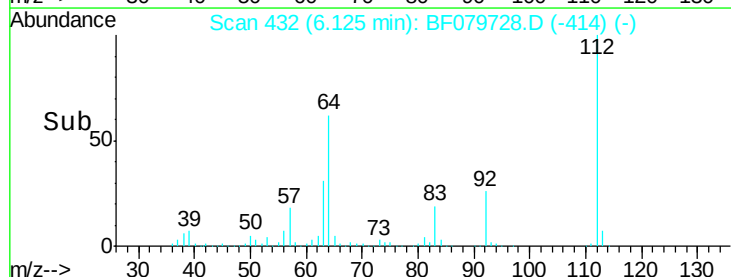
63 30.7 24.9 37.3

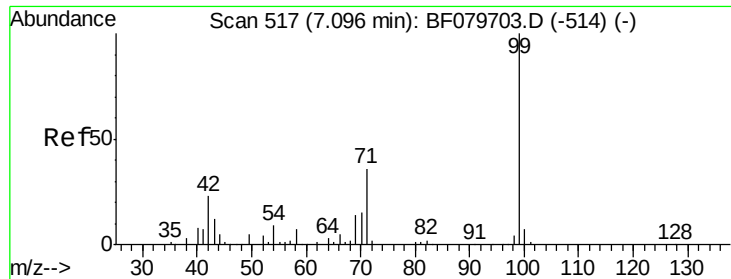


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 85.32 ng

RT: 7.10 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF079728.D

Acq: 5 Jun 2015 5:41

Instrument :

BNA_F

ClientSampleId :

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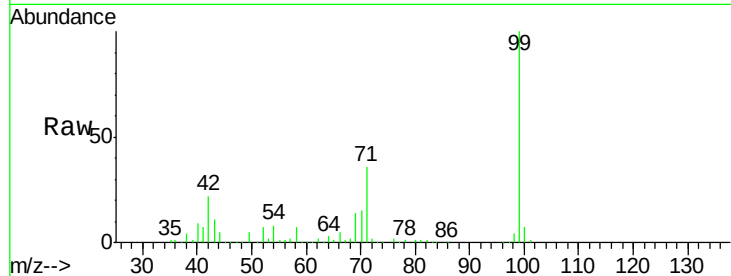
Tgt Ion: 99 Resp: 408804

Ion Ratio Lower Upper

99 100

42 22.4 18.0 27.0

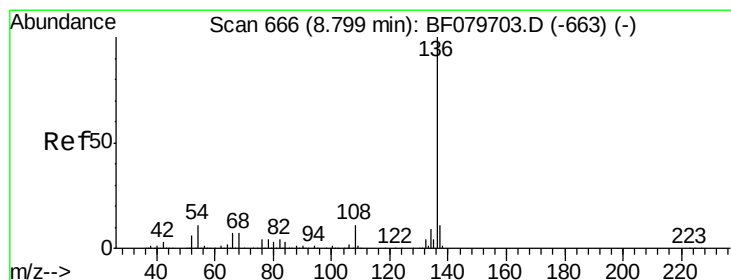
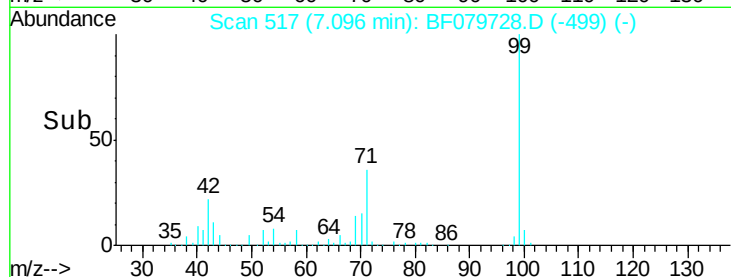
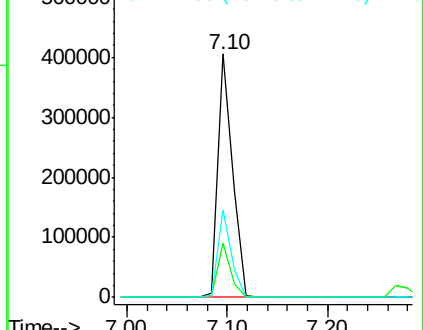
71 35.8 28.4 42.6



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: BF079728.D

Acq: 5 Jun 2015 5:41

Tgt Ion: 136 Resp: 244634

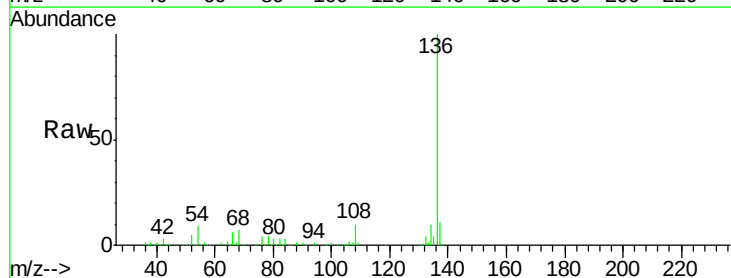
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.2 8.7 13.1

68 6.8 5.8 8.8

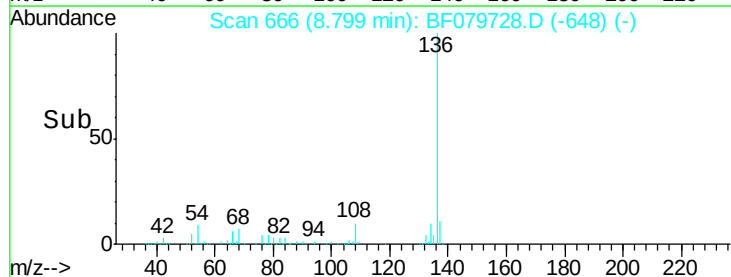
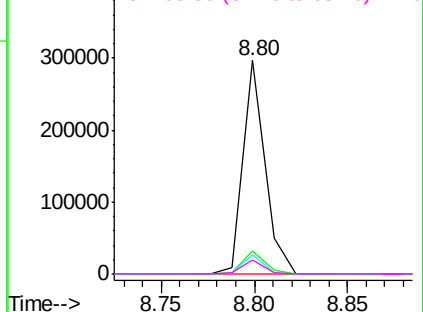


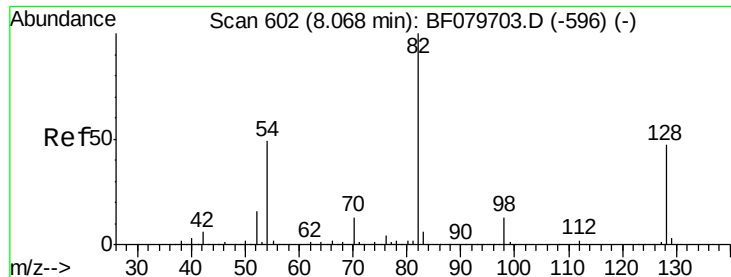
Abundance Ion 136.00 (135.70 to 136.70): E

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

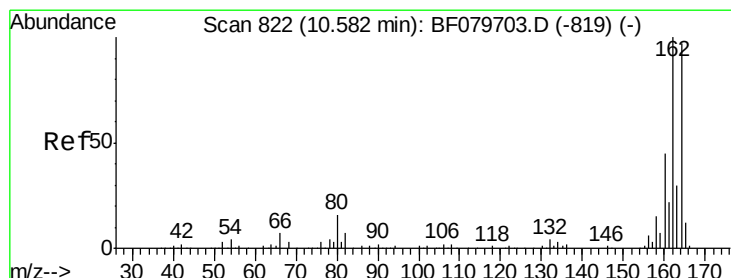
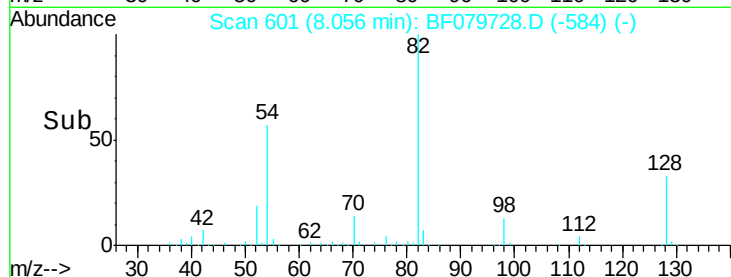
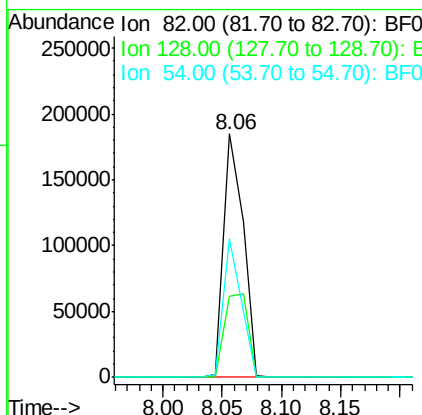
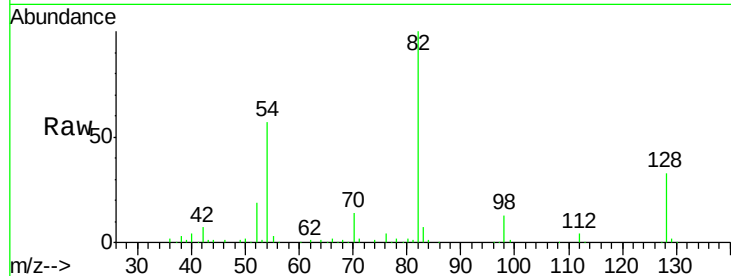




#23
 Nitrobenzene-d5
 Concen: 52.52 ng
 RT: 8.06 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF079728.D
 Acq: 5 Jun 2015 5:41

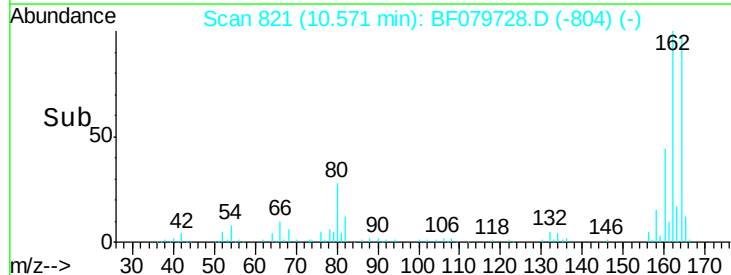
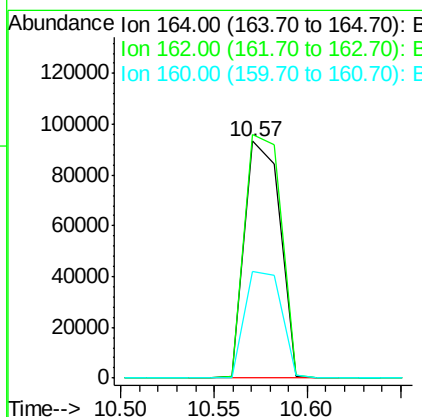
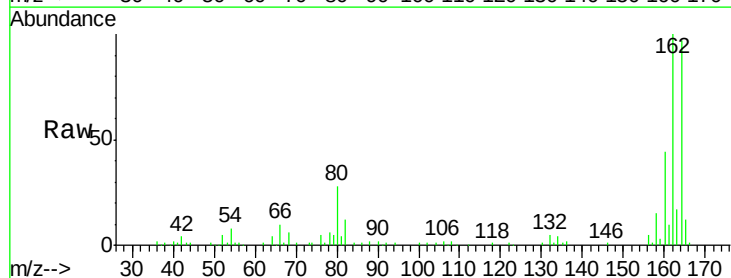
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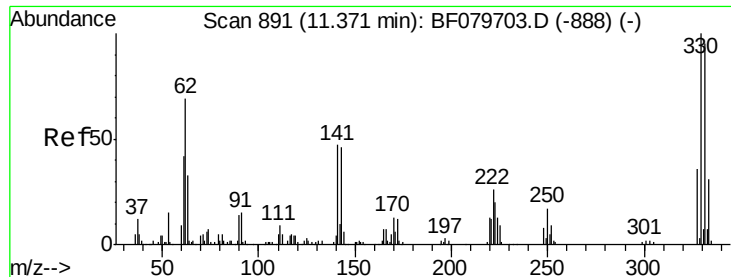
Tgt Ion: 82 Resp: 211004
 Ion Ratio Lower Upper
 82 100
 128 33.3 37.6 56.4#
 54 56.7 39.4 59.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.57 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF079728.D
 Acq: 5 Jun 2015 5:41

Tgt Ion: 164 Resp: 123074
 Ion Ratio Lower Upper
 164 100
 162 102.8 82.6 123.8
 160 45.0 36.8 55.2

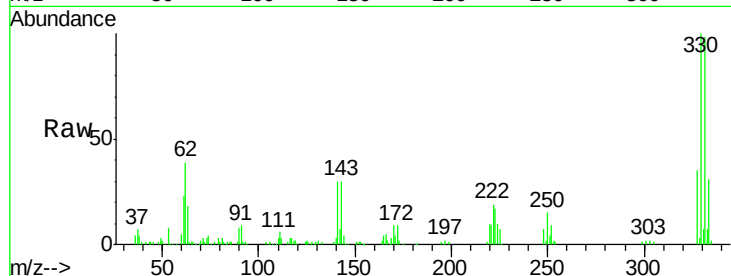




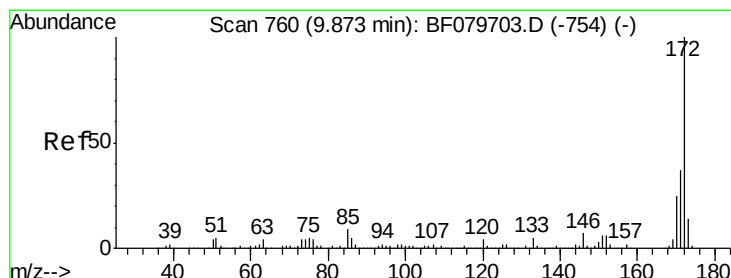
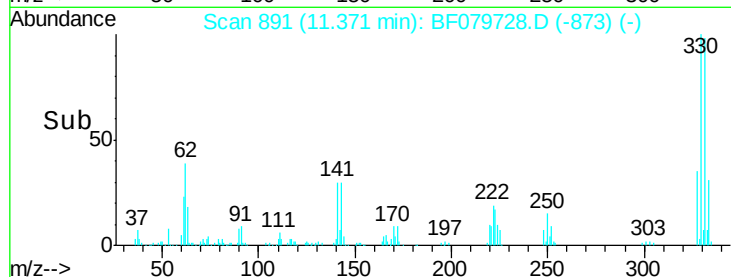
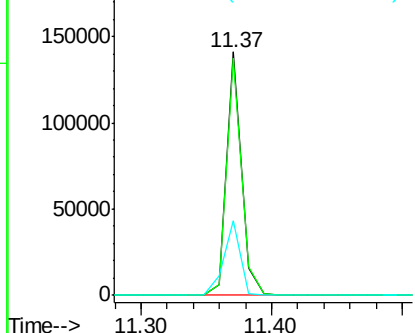
#41
 2,4,6-Tribromophenol
 Concen: 102.81 ng
 RT: 11.37 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF079728.D
 Acq: 5 Jun 2015 5:41

Instrument :
 BNA_F
 ClientSampleId :
 C-7

Tgt Ion:330 Resp: 113621
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.4 116.0
 141 33.9 30.2 45.2

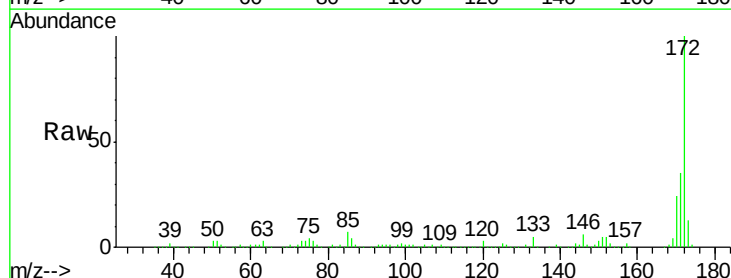


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

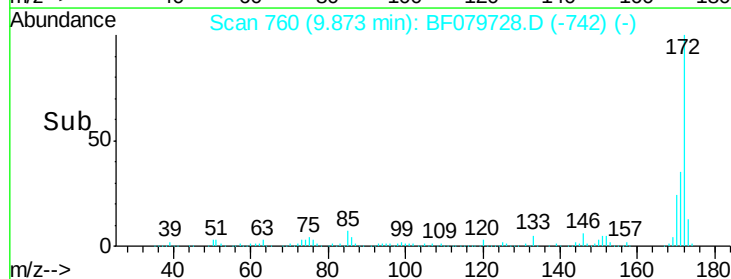
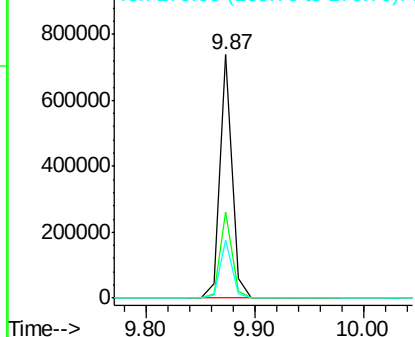


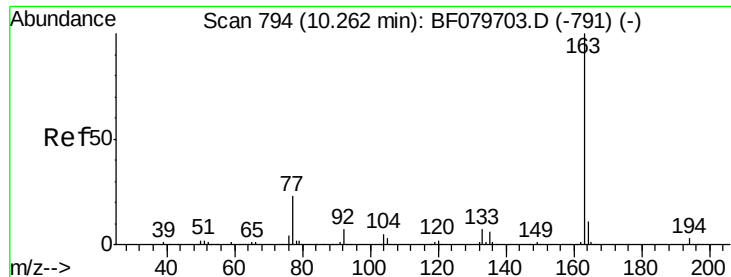
#44
 2-Fluorobiphenyl
 Concen: 68.16 ng
 RT: 9.87 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF079728.D
 Acq: 5 Jun 2015 5:41

Tgt Ion:172 Resp: 579403
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.4 44.0
 170 23.7 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: 6.47 ng

RT: 10.26 min Scan# 794

Delta R.T. 0.00 min

Lab File: BF079728.D

Acq: 5 Jun 2015 5:41

Instrument :

BNA_F

ClientSampleId :

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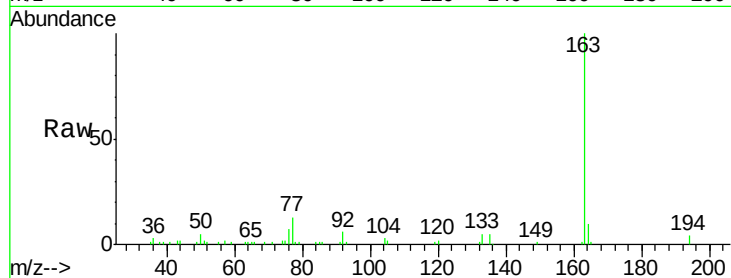
Tgt Ion:163 Resp: 61342

Ion Ratio Lower Upper

163 100

194 3.8 2.6 3.8

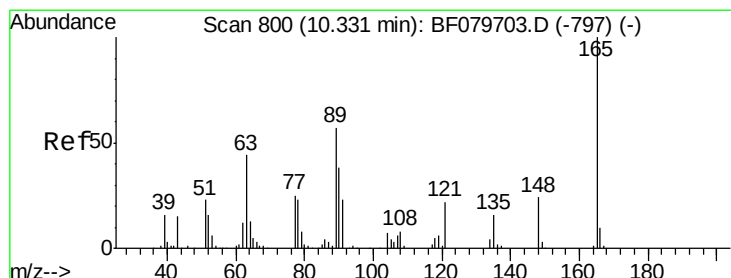
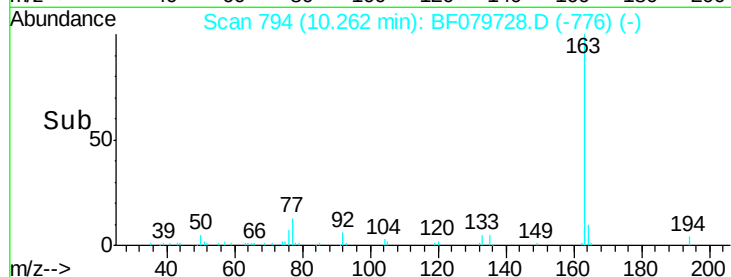
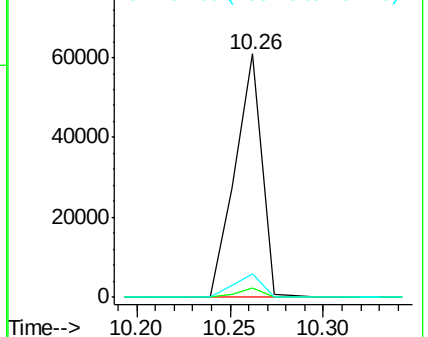
164 9.8 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 3.32 ng

RT: 10.26 min Scan# 794

Delta R.T. -0.07 min

Lab File: BF079728.D

Acq: 5 Jun 2015 5:41

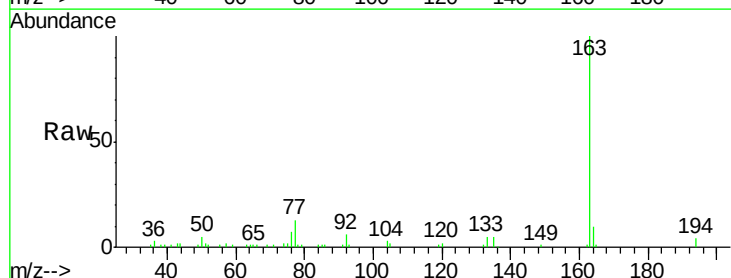
Tgt Ion:165 Resp: 506

Ion Ratio Lower Upper

165 100

63 85.9 45.2 67.8#

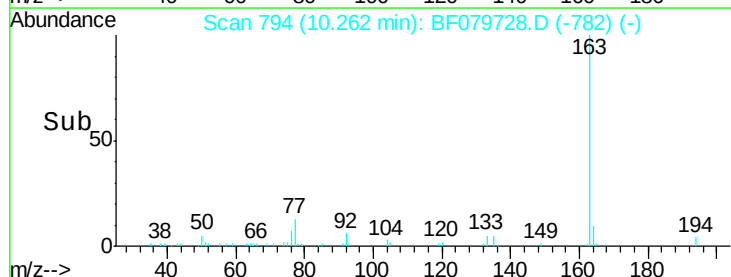
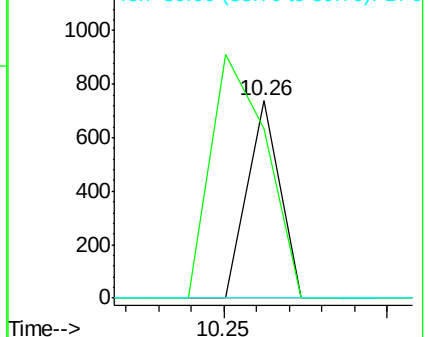
89 0.0 45.9 68.9#

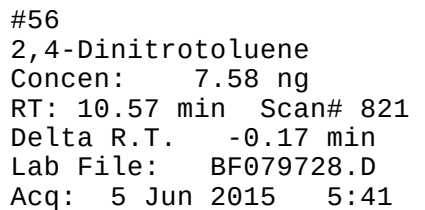


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

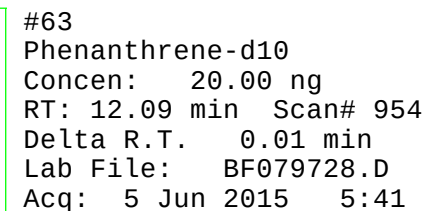
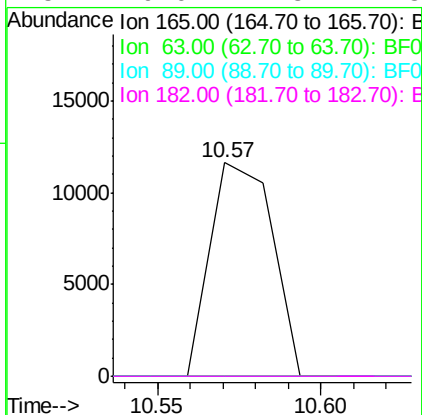
Ion 89.00 (88.70 to 89.70): BF0



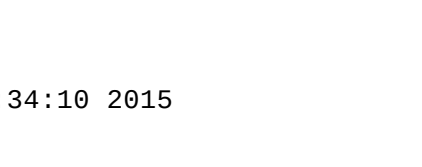
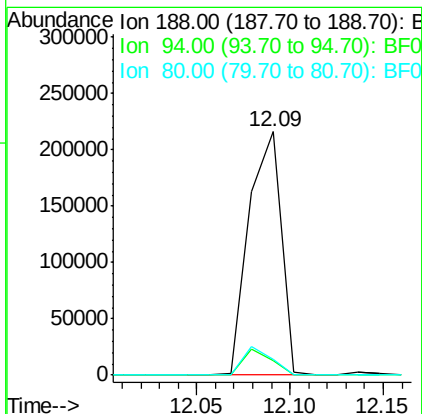


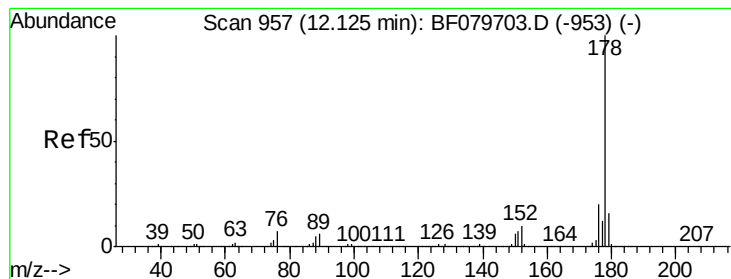
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Tgt	Ion:165	Resp:	15225
Ion	Ratio	Lower	Upper
165	100		
63	0.0	24.7	37.1#
89	0.0	45.7	68.5#
182	0.0	1.8	2.8#



Tgt	Ion:188	Resp:	263547
Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.0	7.4
80	6.5	5.3	7.9





#70

Phenanthrene

Concen: 3.12 ng

RT: 12.11 min Scan# 956

Delta R.T. 0.00 min

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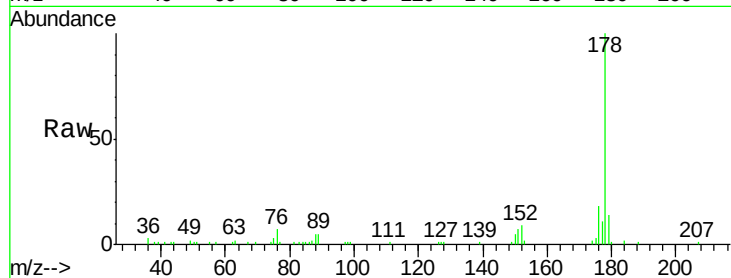
Tgt Ion:178 Resp: 47859

Ion Ratio Lower Upper

178 100

176 18.4 16.2 24.4

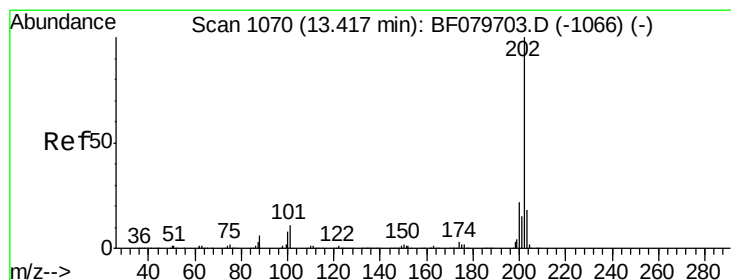
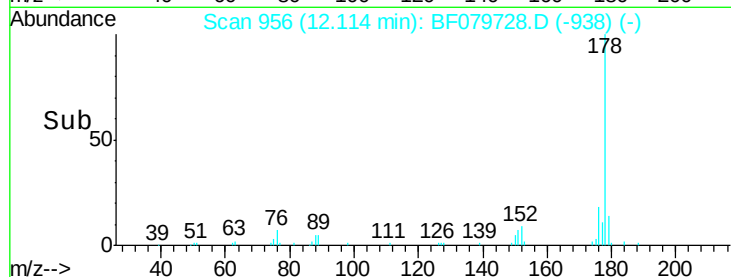
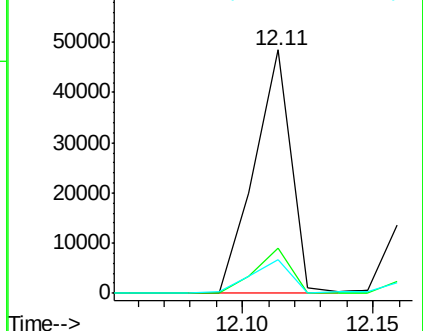
179 14.1 12.6 19.0



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: 7.39 ng

RT: 13.36 min Scan# 1065

Delta R.T. 0.01 min

Lab File: BF079728.D

Acq: 5 Jun 2015 5:41

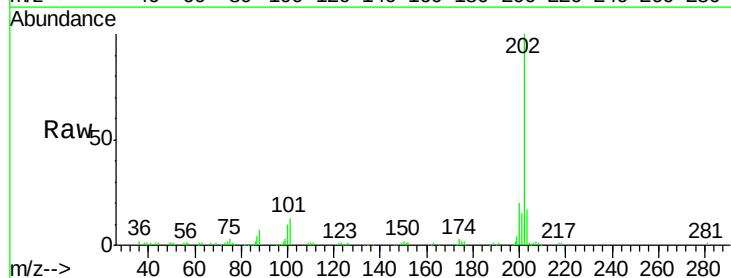
Tgt Ion:202 Resp: 122815

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.3

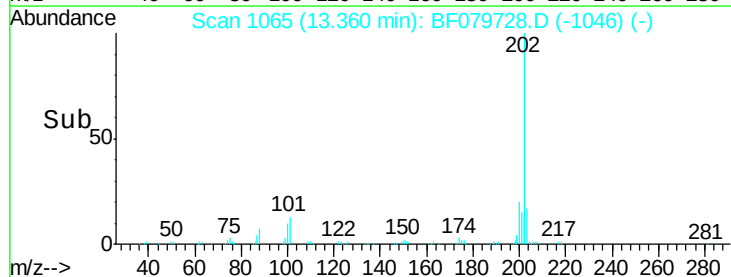
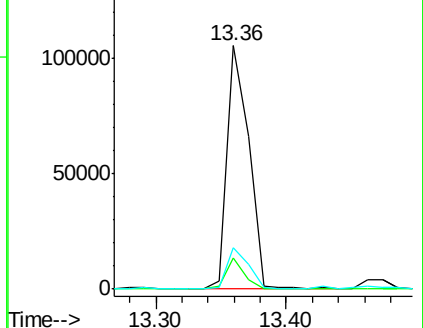
203 16.9 0.0 38.4

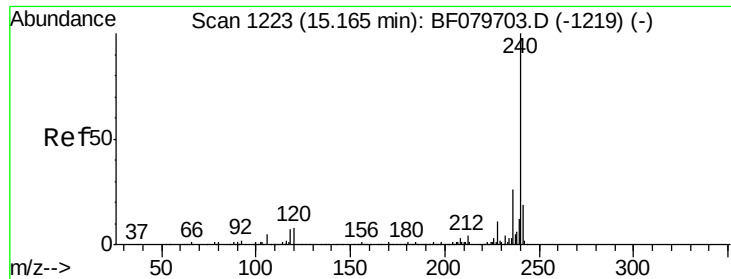


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.02 min Scan# 1210

Delta R.T. 0.03 min

Lab File: BF079728.D

Acq: 5 Jun 2015 5:41

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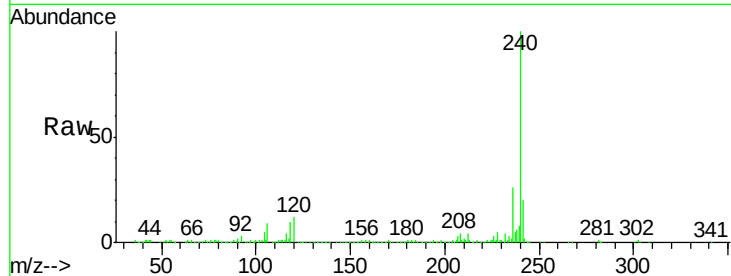
Tgt Ion:240 Resp: 300864

Ion Ratio Lower Upper

240 100

120 12.1 6.2 9.2#

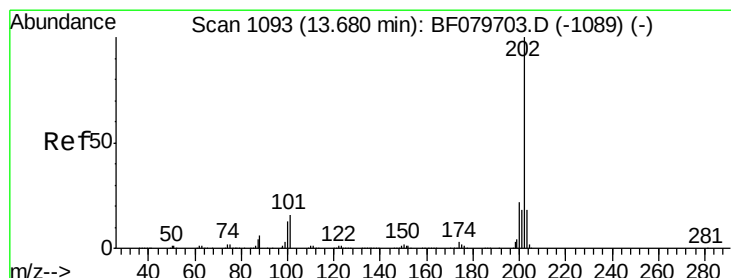
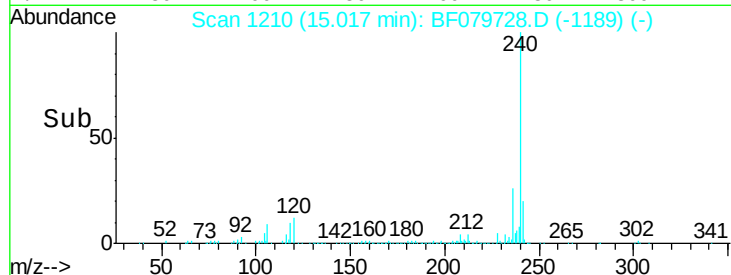
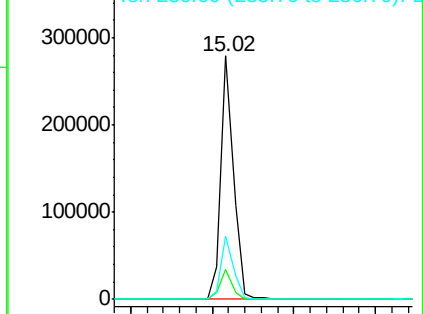
236 25.8 21.0 31.4



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: 6.16 ng

RT: 13.62 min Scan# 1088

Delta R.T. 0.02 min

Lab File: BF079728.D

Acq: 5 Jun 2015 5:41

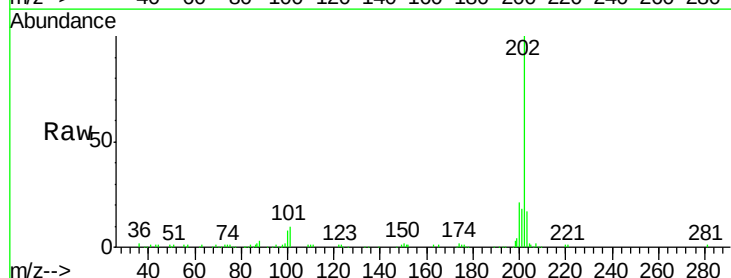
Tgt Ion:202 Resp: 115216

Ion Ratio Lower Upper

202 100

200 20.6 17.5 26.3

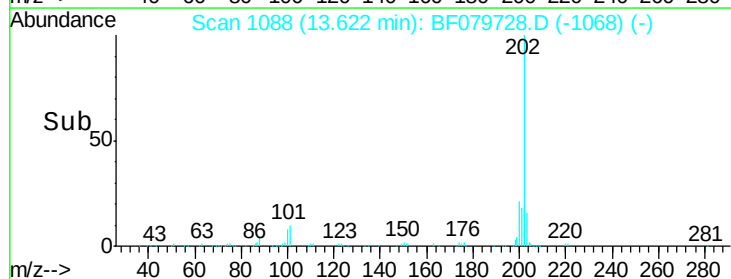
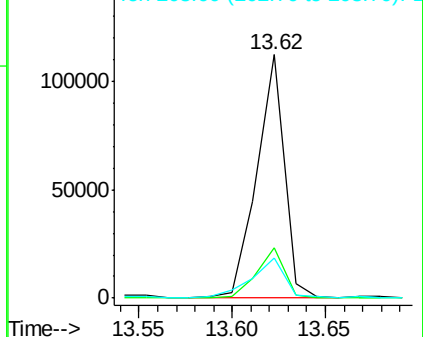
203 16.6 14.8 22.2

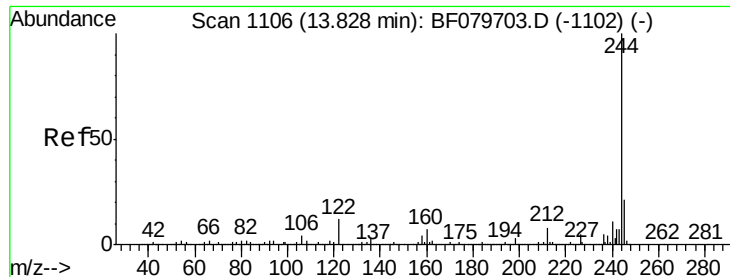


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.62 ng

RT: 13.76 min Scan# 1100

Delta R.T. 0.02 min

Lab File: BF079728.D

Acq: 5 Jun 2015 5:41

Instrument :

BNA_F

ClientSampled :

C-7

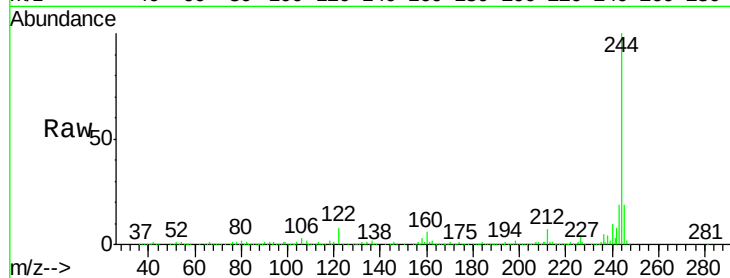
Tgt Ion:244 Resp: 723002

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

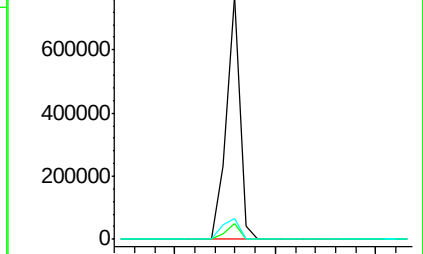
122 8.4 9.3 13.9#



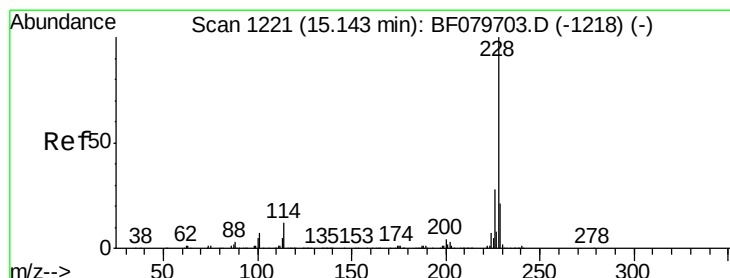
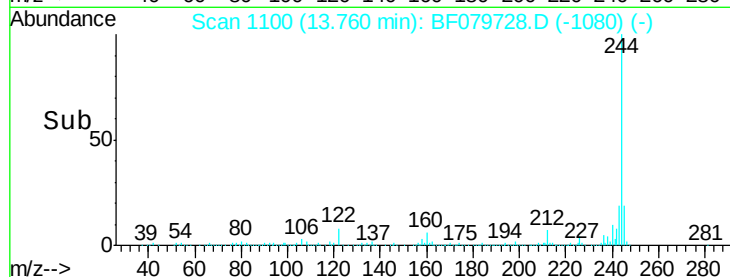
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 3.43 ng

RT: 15.01 min Scan# 1209

Delta R.T. 0.03 min

Lab File: BF079728.D

Acq: 5 Jun 2015 5:41

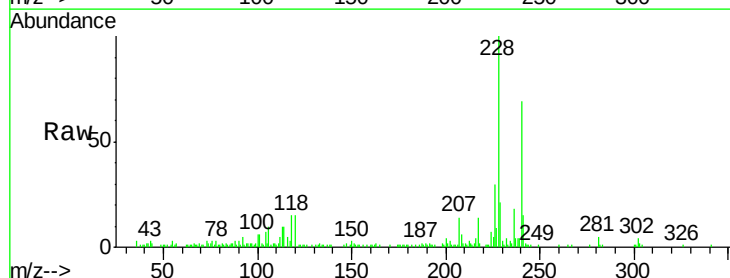
Tgt Ion:228 Resp: 63094

Ion Ratio Lower Upper

228 100

226 29.8 22.2 33.4

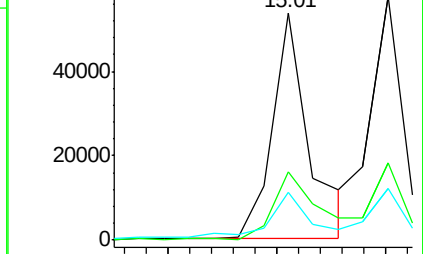
229 21.2 16.6 25.0



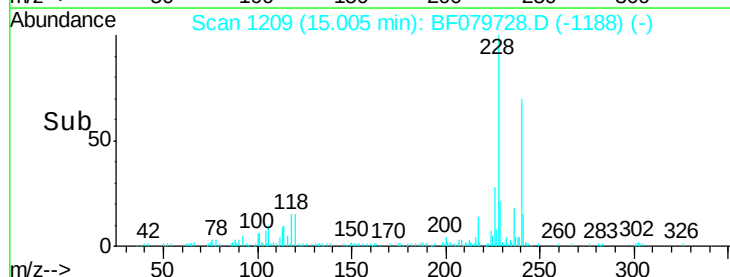
Abundance Ion 228.00 (227.70 to 228.70): E

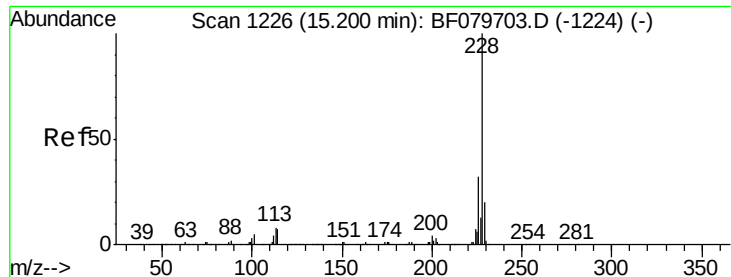
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#82

Chrysene

Concen: 3.47 ng

RT: 15.05 min Scan# 1213

Delta R.T. 0.03 min

Lab File: BF079728.D

Acq: 5 Jun 2015 5:41

Instrument :

BNA_F

ClientSampleId :

C-7

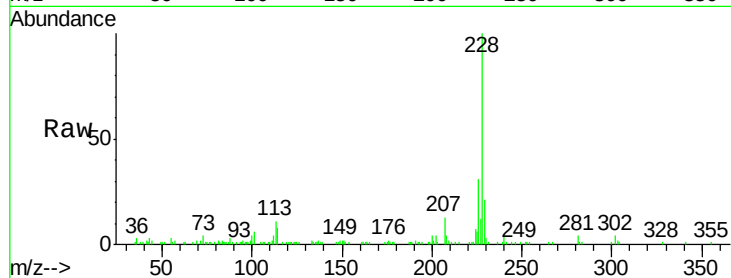
Tgt Ion:228 Resp: 59731

Ion Ratio Lower Upper

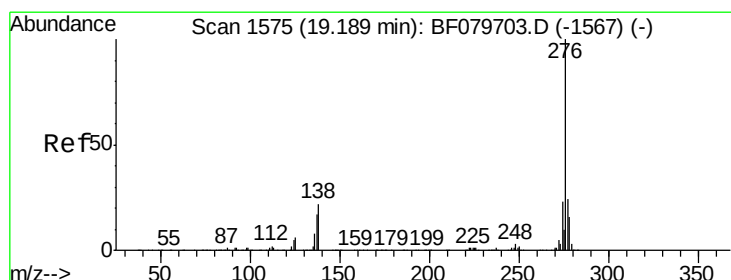
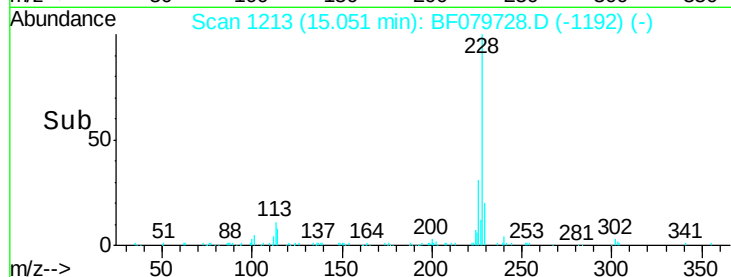
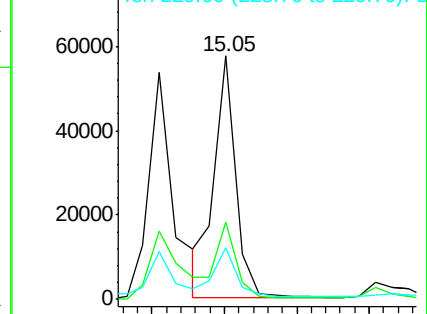
228 100

226 31.5 25.2 37.8

229 21.0 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: 2.49 ng

RT: 18.95 min Scan# 1554

Delta R.T. 0.02 min

Lab File: BF079728.D

Acq: 5 Jun 2015 5:41

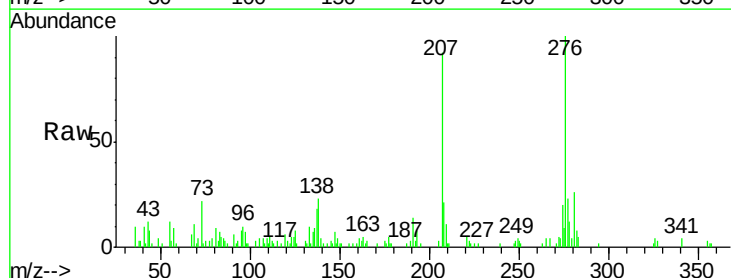
Tgt Ion:276 Resp: 48393

Ion Ratio Lower Upper

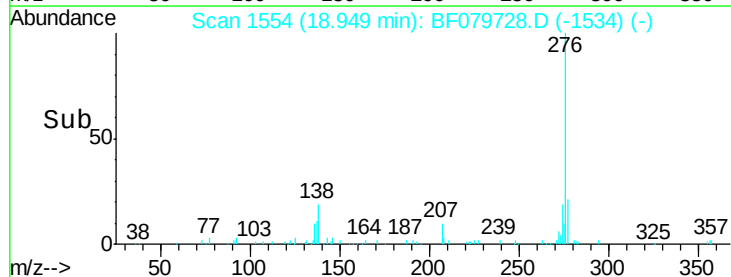
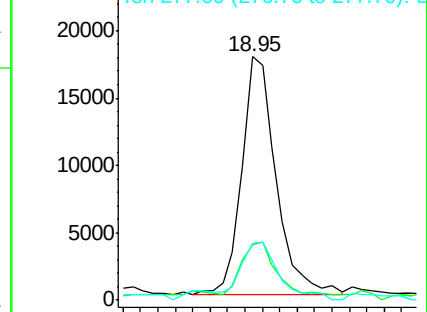
276 100

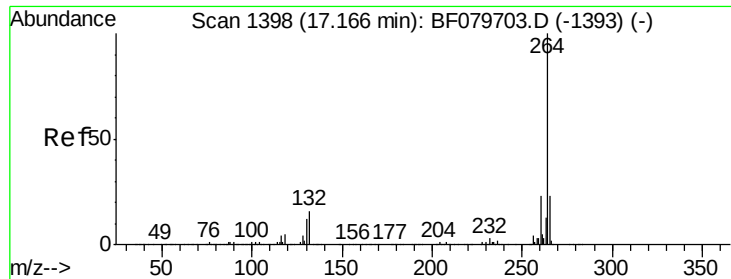
138 25.5 20.8 31.2

277 31.4 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



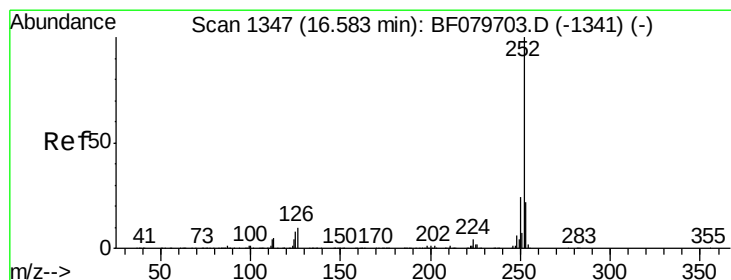
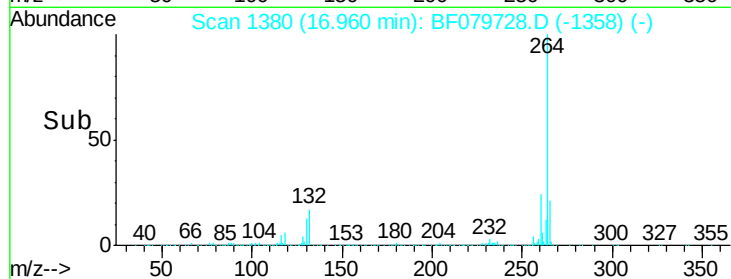
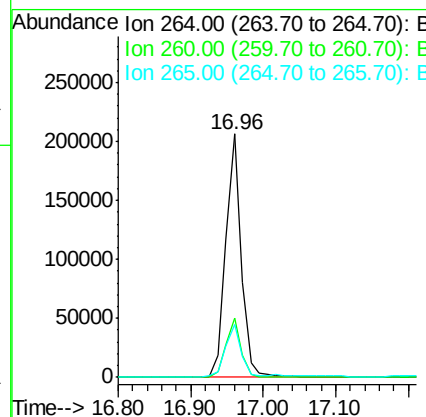
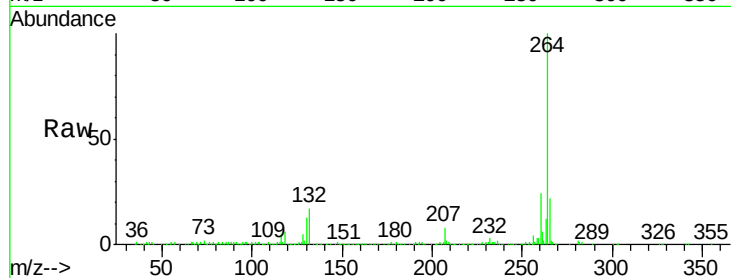


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.96 min Scan# 1380
Delta R.T. 0.05 min
Lab File: BF079728.D
Acq: 5 Jun 2015 5:41

Instrument :
BNA_F
ClientSampleId :
C-7

Tgt Ion: 264 Resp: 307750

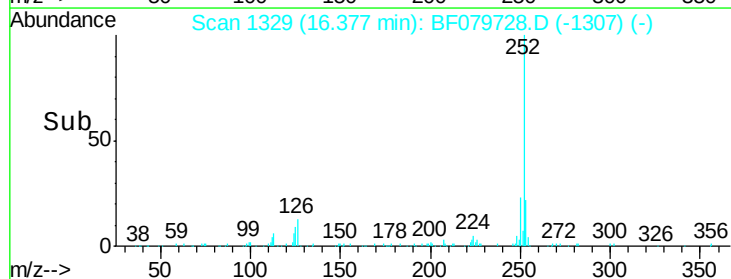
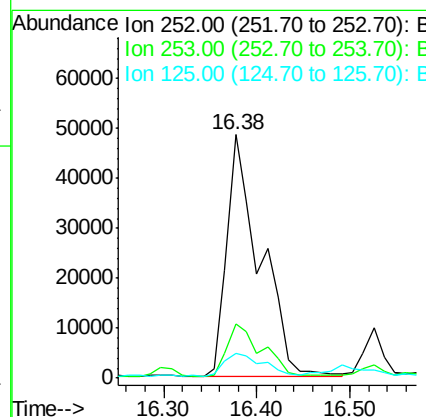
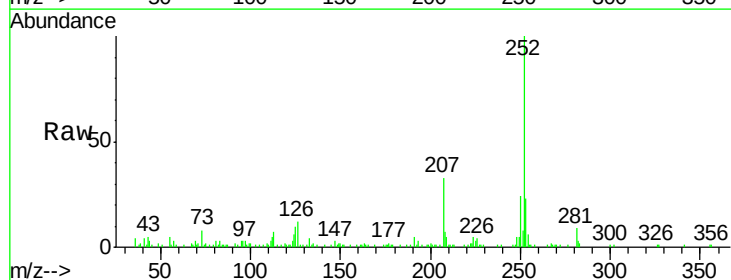
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	21.6	18.2	27.4

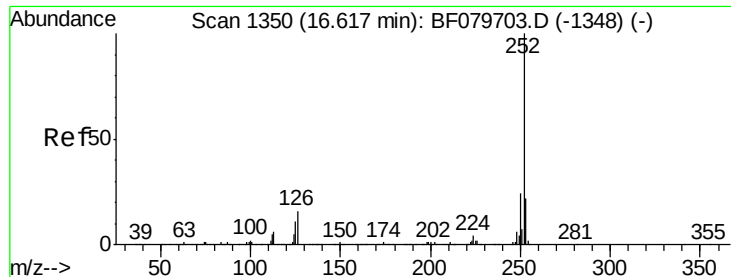


#87
Benzo(b)fluoranthene
Concen: 6.06 ng
RT: 16.38 min Scan# 1329
Delta R.T. 0.05 min
Lab File: BF079728.D
Acq: 5 Jun 2015 5:41

Tgt Ion: 252 Resp: 120290

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	10.0	6.5	9.7

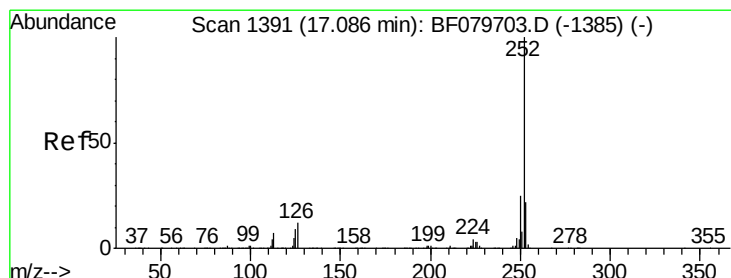
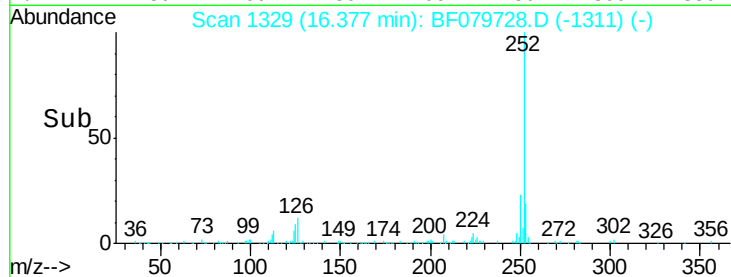
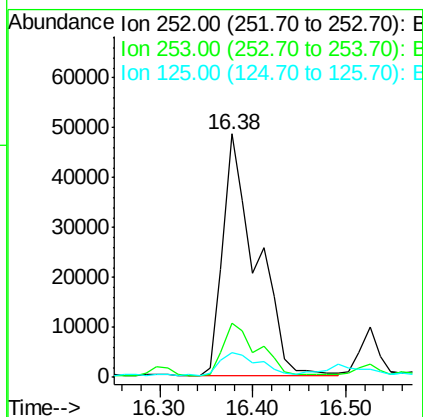
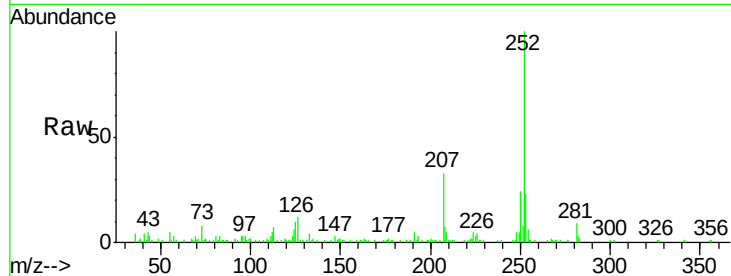




#88
Benzo(k)fluoranthene
Concen: 6.35 ng
RT: 16.38 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BF079728.D
Acq: 5 Jun 2015 5:41

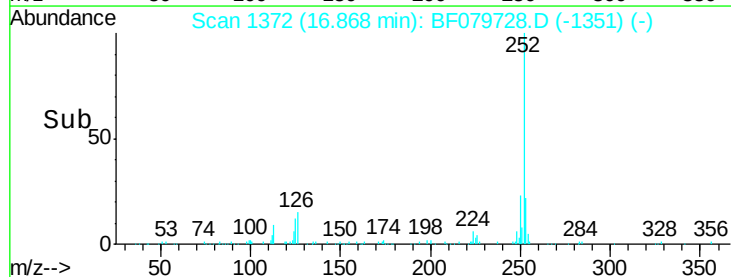
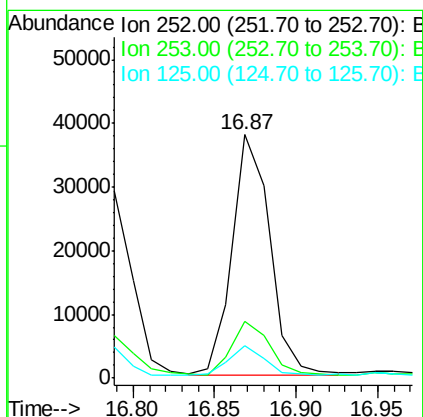
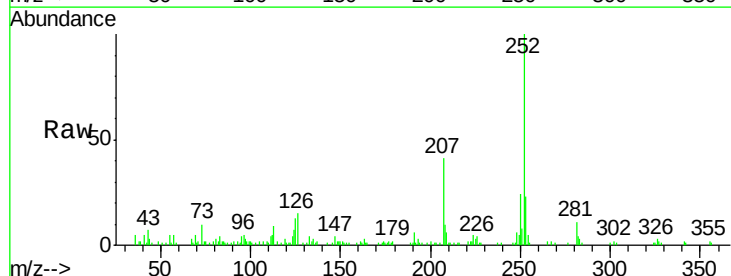
Instrument :
BNA_F
ClientSampleId :
C-7

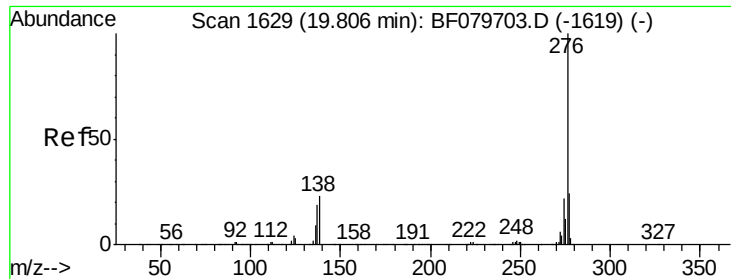
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	10.0	8.4	12.6



#89
Benzo(a)pyrene
Concen: 3.33 ng
RT: 16.87 min Scan# 1372
Delta R.T. 0.03 min
Lab File: BF079728.D
Acq: 5 Jun 2015 5:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	13.2	7.4	11.0





#91

Benzo(g,h,i)perylene

Concen: 2.96 ng

RT: 19.57 min Scan# 1608

Delta R.T. 0.03 min

Lab File: BF079728.D

Acq: 5 Jun 2015 5:41

Instrument :

BNA_F

ClientSampleId :

C-7

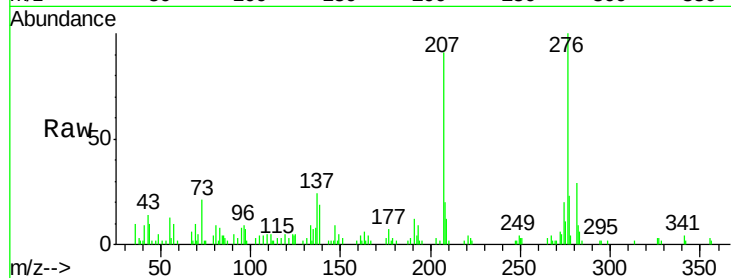
Tgt Ion: 276 Resp: 50736

Ion Ratio Lower Upper

276 100

277 22.7 18.8 28.2

138 19.5 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

