

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050815\
 Data File : BF079105.D
 Acq On : 10 May 2015 3:05
 Operator : TP/IZ
 Sample : G2155-02
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-46AS

Quant Time: May 11 02:12:07 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 01:50:36 2015
 Response via : Initial Calibration

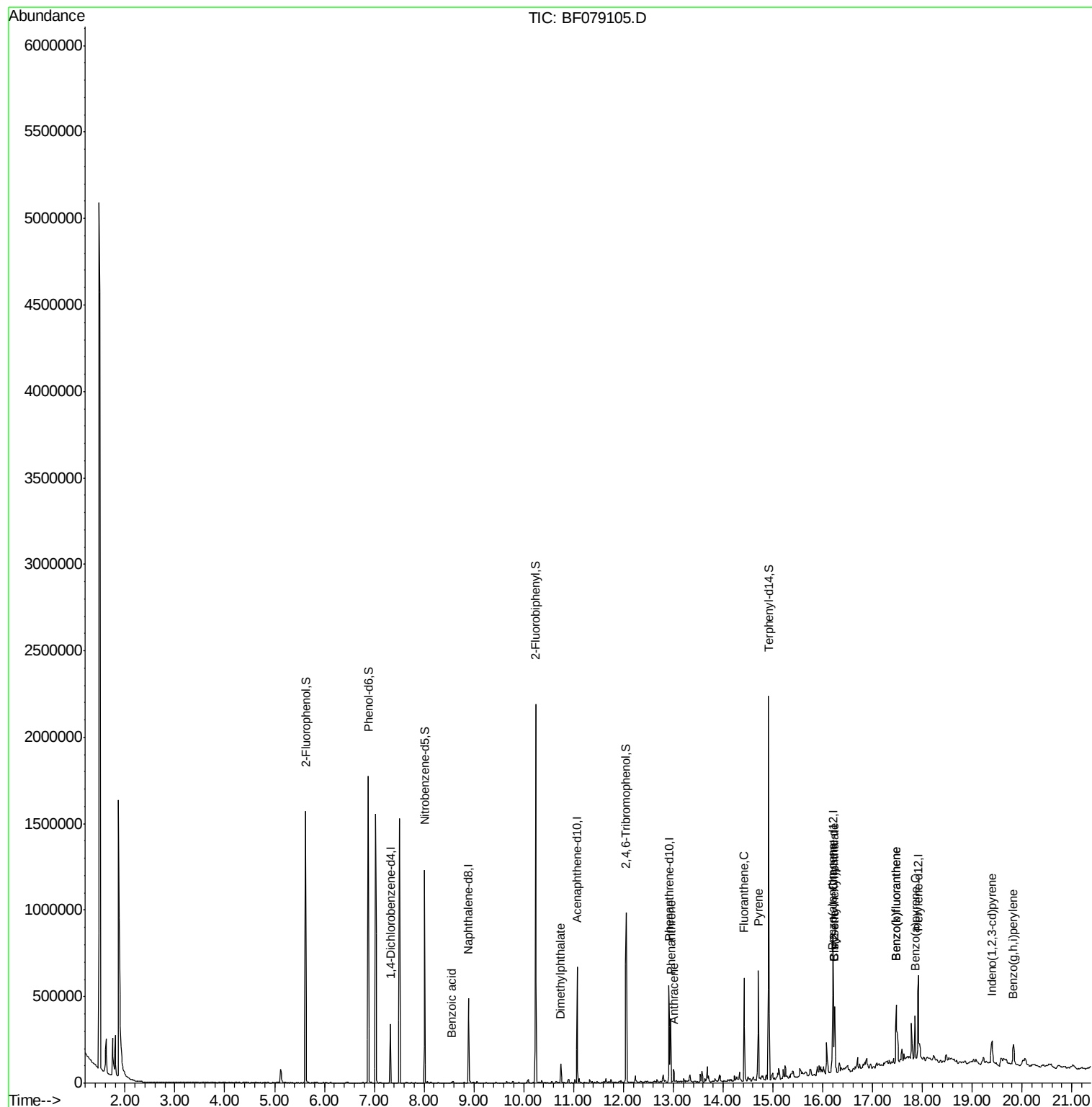
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	75900	20.00	ng	0.00
21) Naphthalene-d8	8.89	136	295907	20.00	ng	0.00
38) Acenaphthene-d10	11.07	164	138372	20.00	ng	0.00
63) Phenanthrene-d10	12.91	188	250256	20.00	ng	0.00
75) Chrysene-d12	16.21	240	250819	20.00	ng	0.00
86) Perylene-d12	17.92	264	261743	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	471726	106.98	ng	0.00
7) Phenol-d6	6.88	99	598318	102.66	ng	0.00
23) Nitrobenzene-d5	8.01	82	368531	71.58	ng	0.00
41) 2,4,6-Tribromophenol	12.06	330	157094	104.94	ng	0.00
44) 2-Fluorobiphenyl	10.24	172	696187	70.10	ng	0.00
78) Terphenyl-d14	14.91	244	728427	69.53	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	8.55	122	1878	6.93	ng	# 82
49) Dimethylphthalate	10.74	163	45931	4.52	ng	99
70) Phenanthrene	12.95	178	145861	10.42	ng	98
71) Anthracene	13.01	178	38581	2.81	ng	99
74) Fluoranthene	14.42	202	293622	20.13	ng	98
77) Pyrene	14.71	202	276845	19.15	ng	100
80) Benzo(a)anthracene	16.19	228	168749	12.29	ng	96
82) Chrysene	16.24	228	129631	9.81	ng	99
83) Bis(2-ethylhexyl)phthalate	16.24	149	19707	2.06	ng	# 98
85) Indeno(1,2,3-cd)pyrene	19.39	276	101145	6.01	ng	# 100
87) Benzo(b)fluoranthene	17.47	252	270438	18.88	ng	98
88) Benzo(k)fluoranthene	17.47	252	271726	19.59	ng	98
89) Benzo(a)pyrene	17.85	252	146358	11.09	ng	97
91) Benzo(g,h,i)perylene	19.83	276	97960	6.97	ng	97

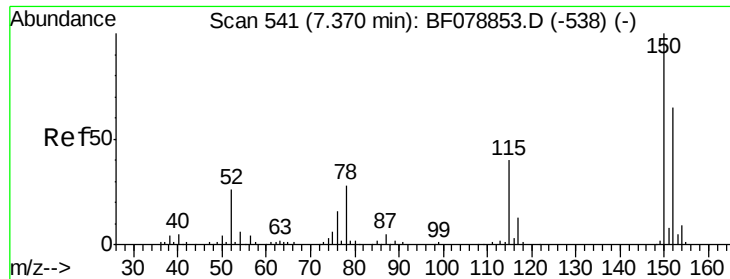
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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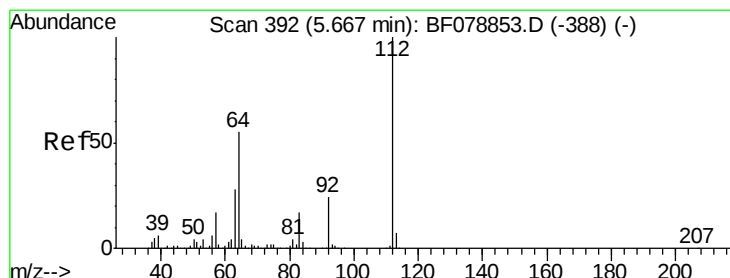
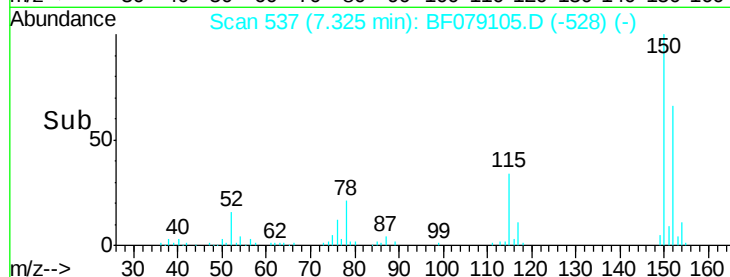
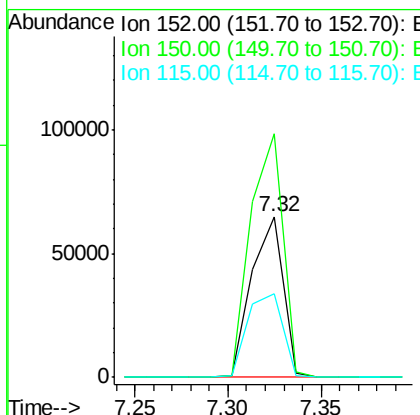
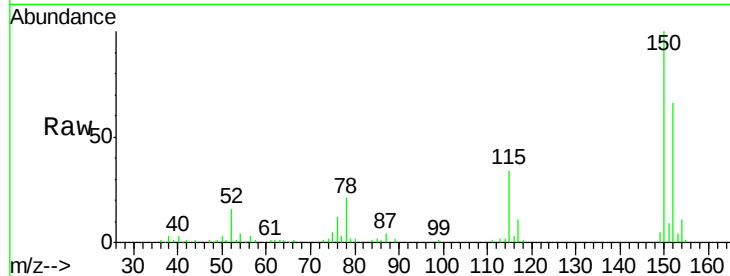




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.32 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: BF079105.D
 Acq: 10 May 2015 3:05

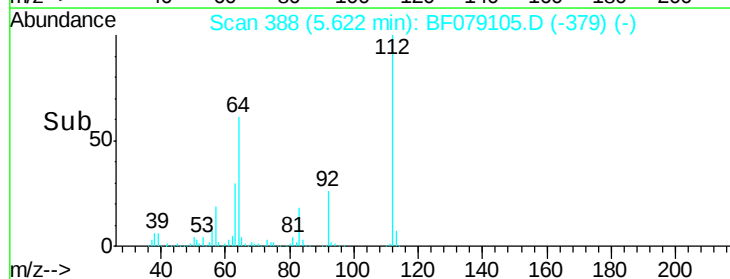
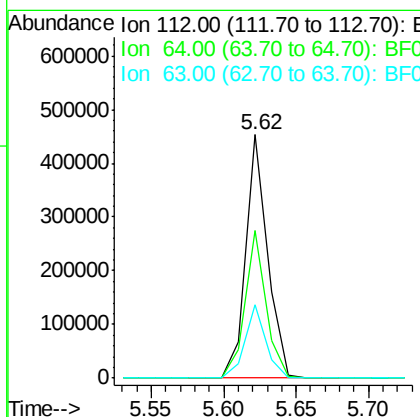
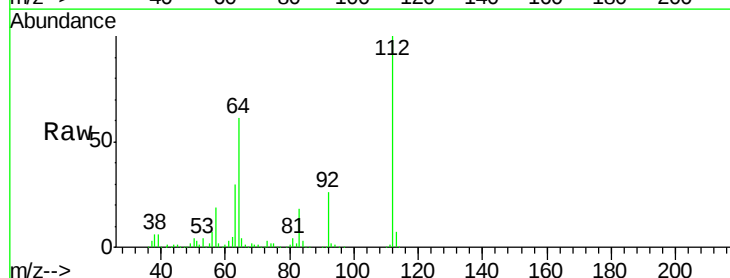
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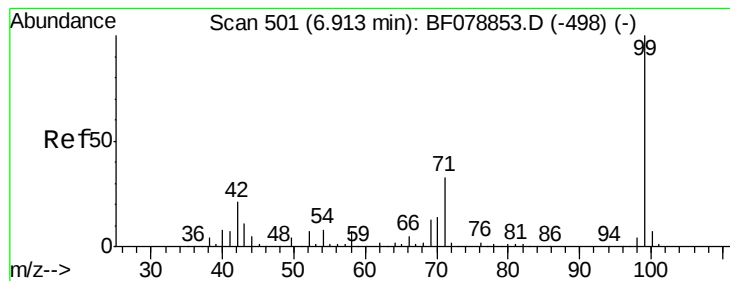
Tgt Ion:152 Resp: 75900
 Ion Ratio Lower Upper
 152 100
 150 151.3 122.0 183.0
 115 51.6 46.3 69.5



#5
 2-Fluorophenol
 Concen: 106.98 ng
 RT: 5.62 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: BF079105.D
 Acq: 10 May 2015 3:05

Tgt Ion:112 Resp: 471726
 Ion Ratio Lower Upper
 112 100
 64 60.7 53.5 80.3
 63 30.1 27.5 41.3





#7

Phenol-d6

Concen: 102.66 ng

RT: 6.88 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF079105.D

Acq: 10 May 2015 3:05

Instrument :

BNA_F

ClientSampleId :

SB-46AS

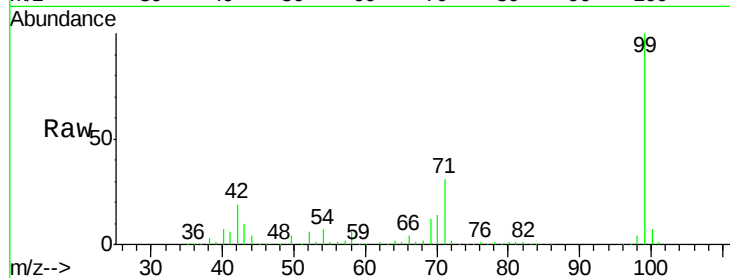
Tgt Ion: 99 Resp: 598318

Ion Ratio Lower Upper

99 100

42 18.6 12.8 19.2

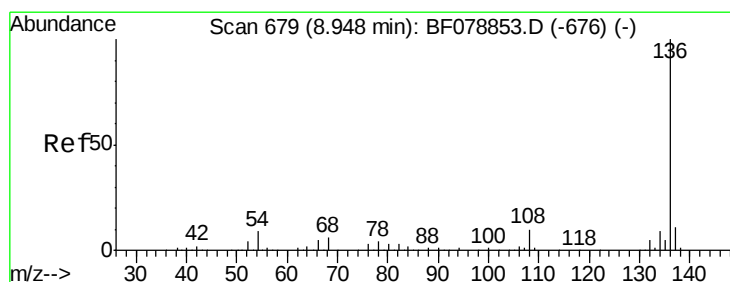
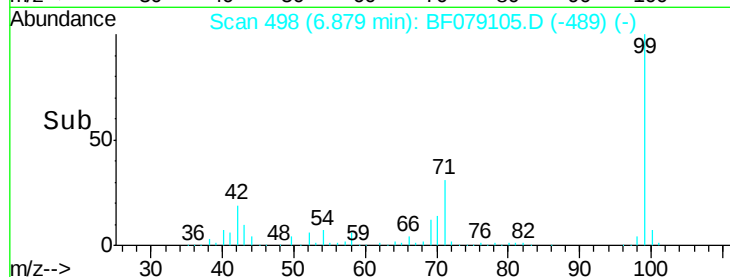
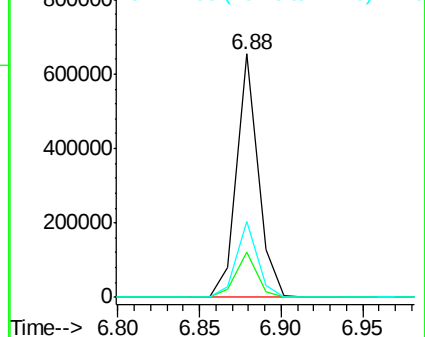
71 31.4 23.4 35.2



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: 8.89 min Scan# 674

Delta R.T. 0.00 min

Lab File: BF079105.D

Acq: 10 May 2015 3:05

Tgt Ion: 136 Resp: 295907

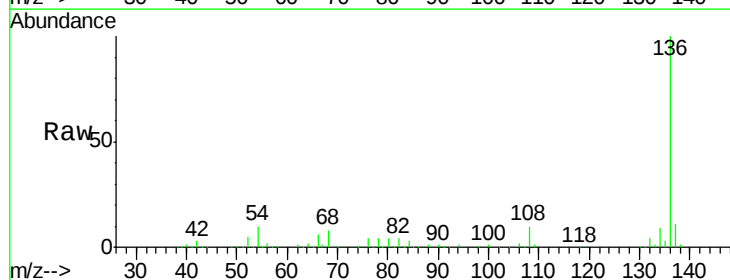
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.4 5.8 8.8#

68 7.7 4.2 6.4#

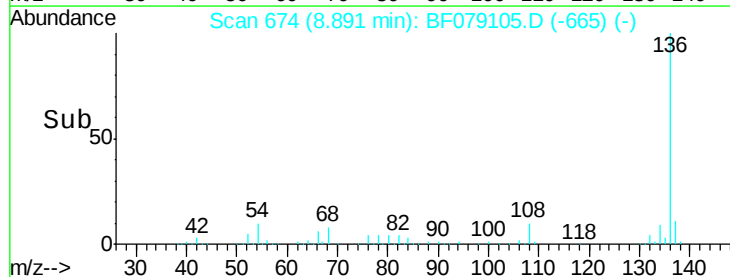
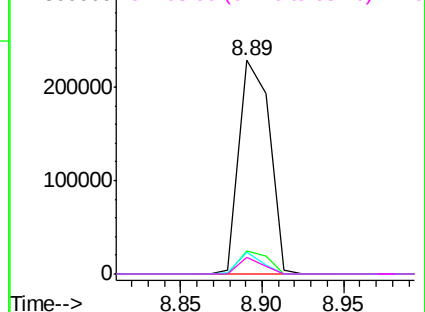


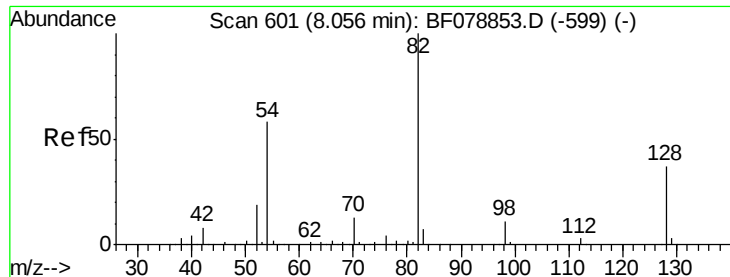
Abundance Ion 136.00 (135.70 to 136.70): E

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

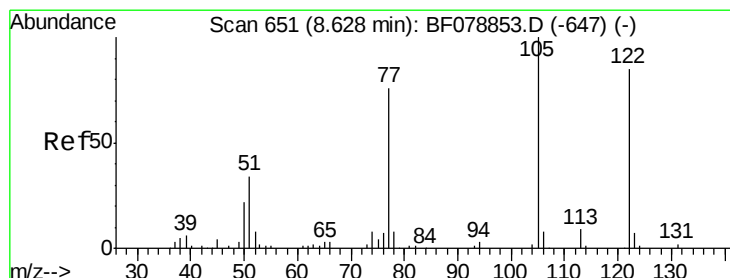
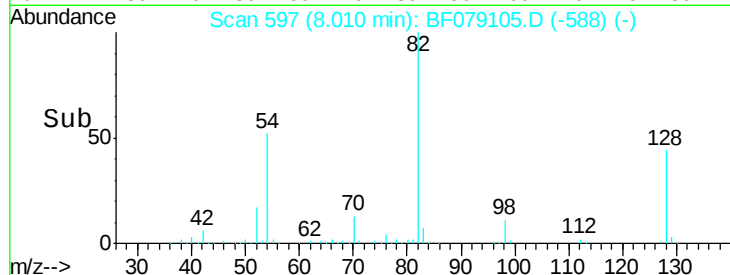
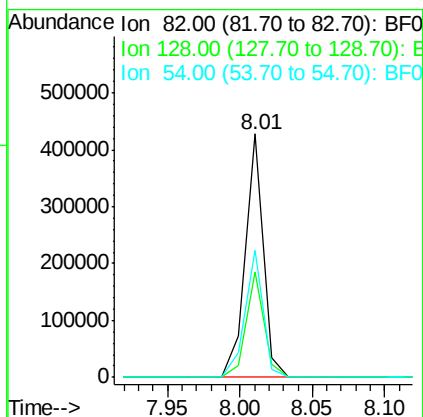
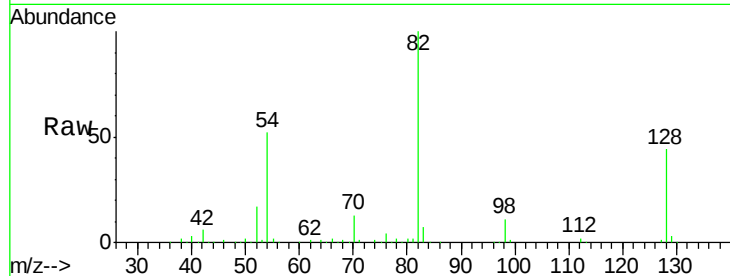




#23
 Nitrobenzene-d5
 Concen: 71.58 ng
 RT: 8.01 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: BF079105.D
 Acq: 10 May 2015 3:05

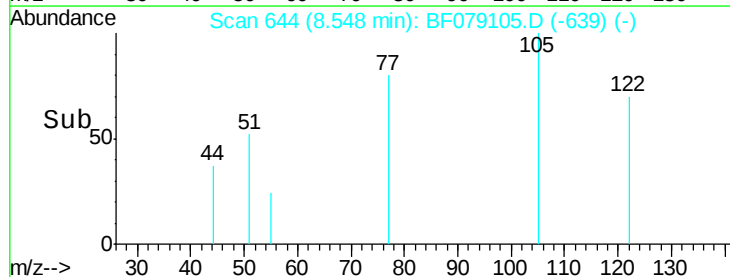
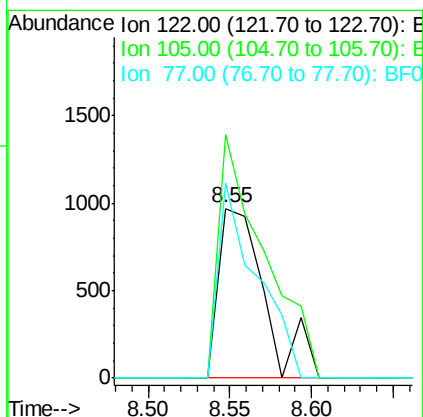
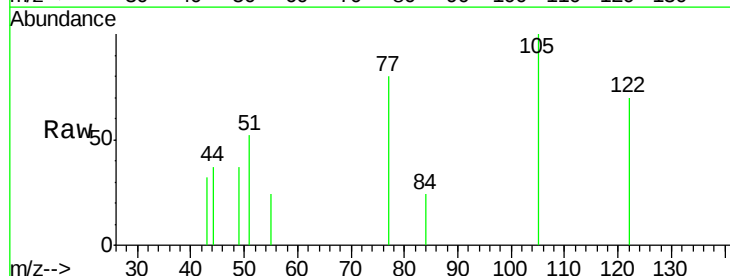
Instrument :
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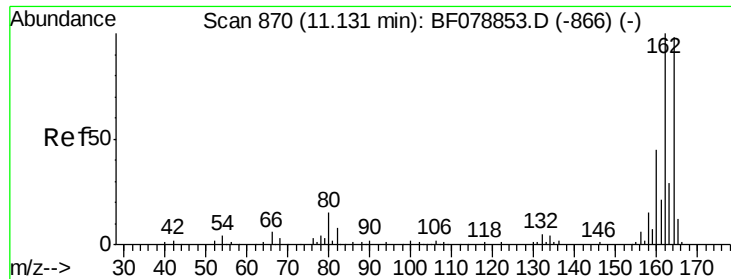
Tgt Ion: 82 Resp: 368531
 Ion Ratio Lower Upper
 82 100
 128 43.5 30.0 45.0
 54 52.0 46.4 69.6



#32
 Benzoic acid
 Concen: 6.93 ng
 RT: 8.55 min Scan# 644
 Delta R.T. -0.05 min
 Lab File: BF079105.D
 Acq: 10 May 2015 3:05

Tgt Ion: 122 Resp: 1878
 Ion Ratio Lower Upper
 122 100
 105 143.5 107.1 147.1
 77 115.3 73.9 113.9#

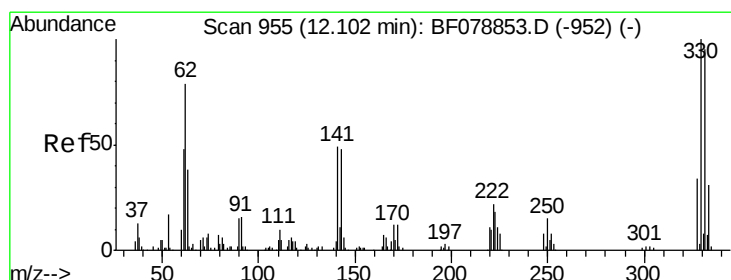
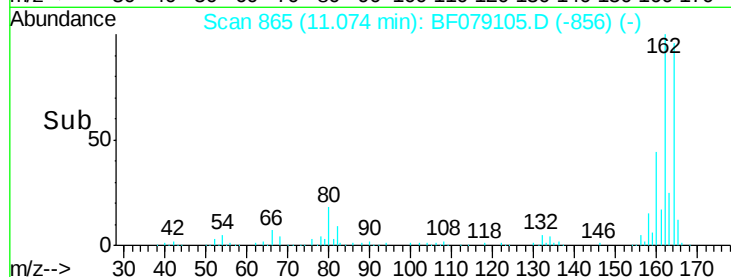
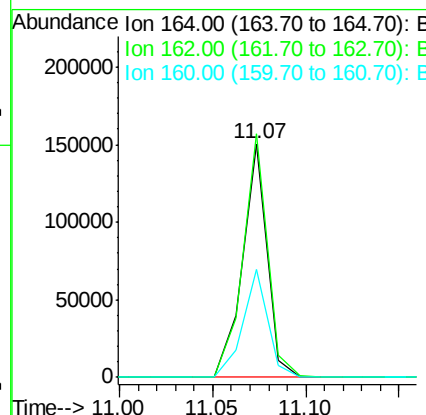
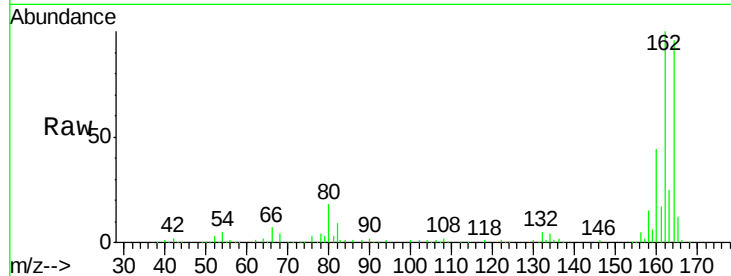




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.07 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: BF079105.D
 Acq: 10 May 2015 3:05

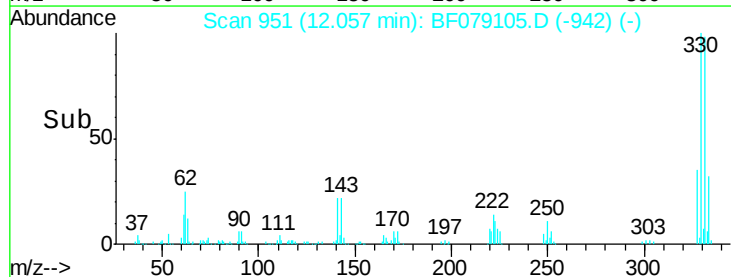
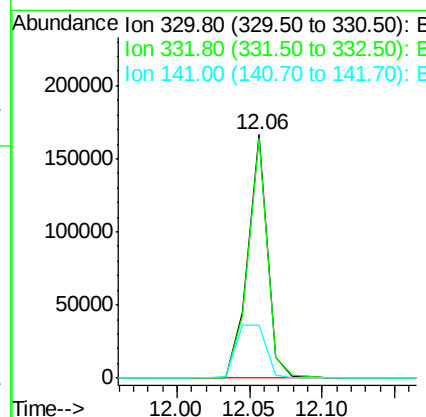
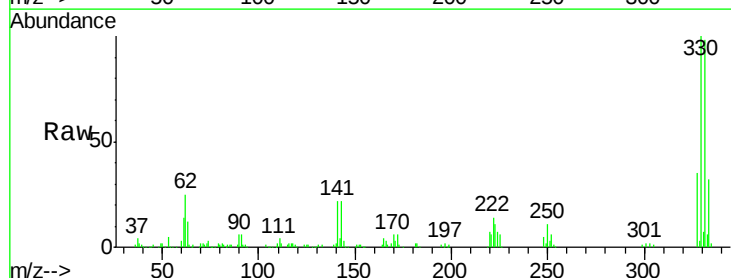
Instrument :
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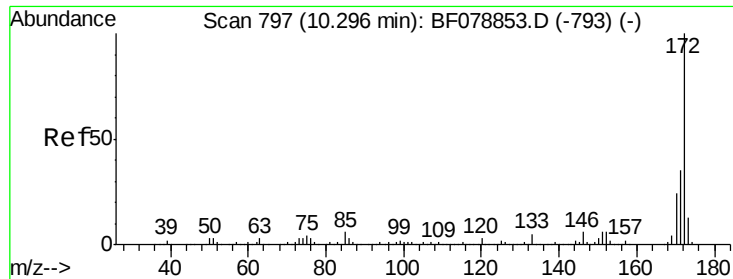
Tgt Ion:164 Resp: 138372
 Ion Ratio Lower Upper
 164 100
 162 104.2 82.7 124.1
 160 46.1 35.8 53.8



#41
 2,4,6-Tribromophenol
 Concen: 104.94 ng
 RT: 12.06 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: BF079105.D
 Acq: 10 May 2015 3:05

Tgt Ion:330 Resp: 157094
 Ion Ratio Lower Upper
 330 100
 332 97.7 0.0 0.0#
 141 33.1 0.0 0.0#

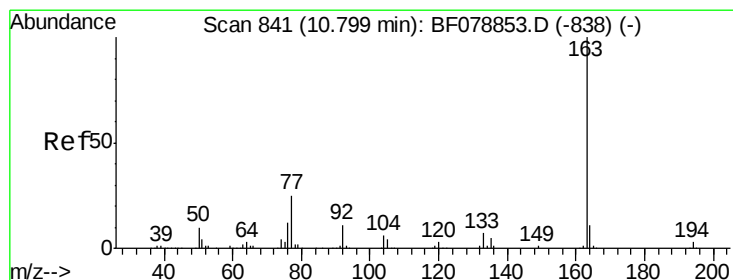
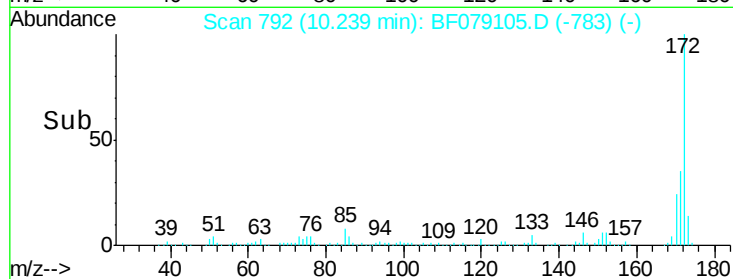
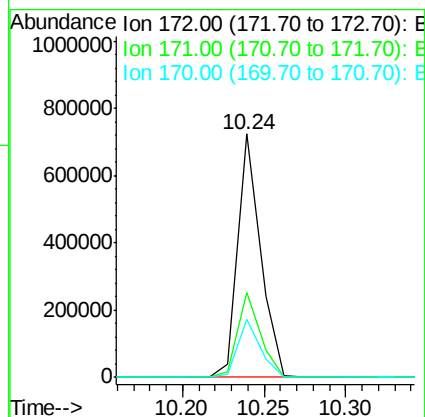
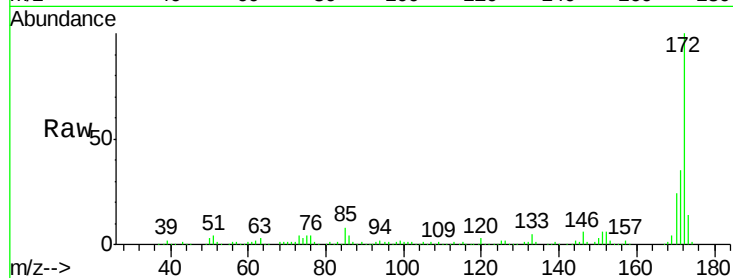




#44
2-Fluorobiphenyl
Concen: 70.10 ng
RT: 10.24 min Scan# 792
Delta R.T. 0.00 min
Lab File: BF079105.D
Acq: 10 May 2015 3:05

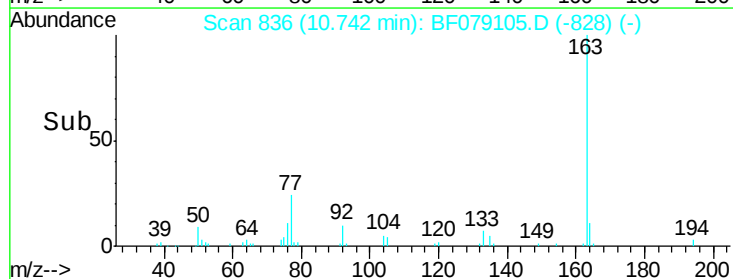
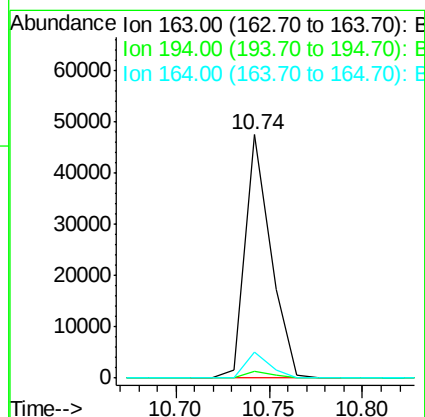
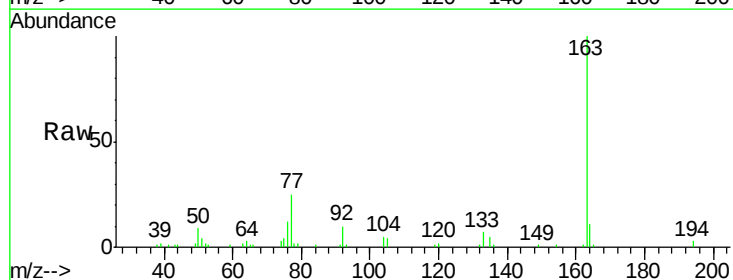
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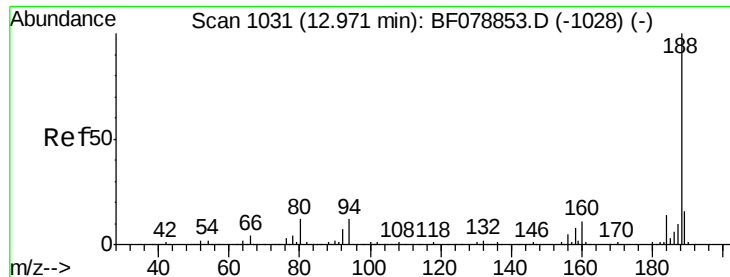
Tgt Ion:172 Resp: 696187
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.9 19.4 29.0



#49
Dimethylphthalate
Concen: 4.52 ng
RT: 10.74 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF079105.D
Acq: 10 May 2015 3:05

Tgt Ion:163 Resp: 45931
Ion Ratio Lower Upper
163 100
194 2.7 2.6 4.0
164 10.5 8.1 12.1

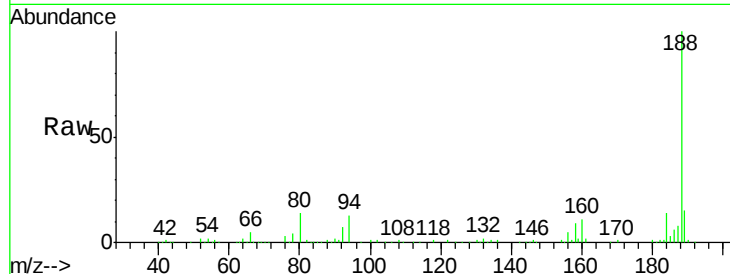




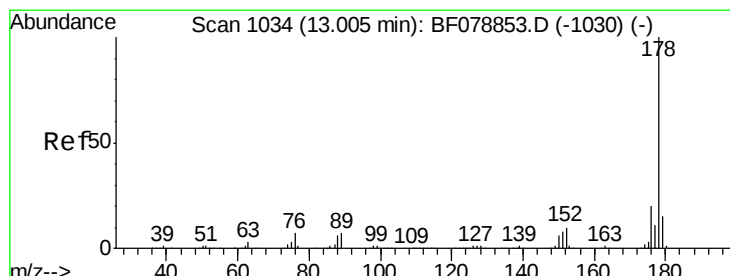
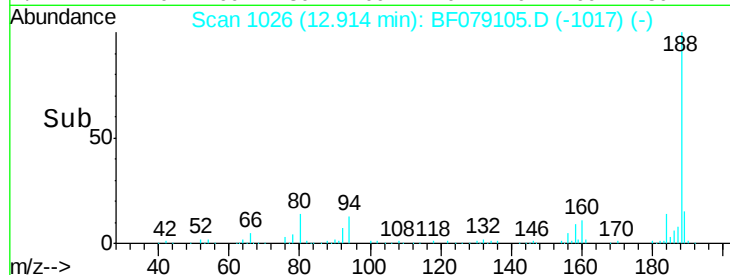
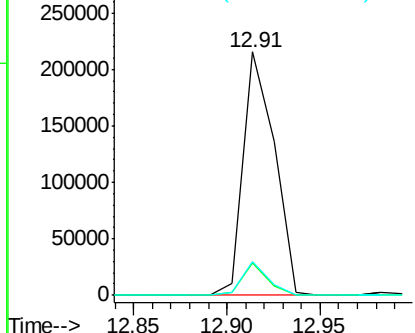
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.91 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF079105.D
Acq: 10 May 2015 3:05

Instrument :
BNA_F
ClientSampleId :
SB-46AS

Tgt Ion:188 Resp: 250256
Ion Ratio Lower Upper
188 100
94 13.1 8.2 12.2#
80 13.9 8.9 13.3#

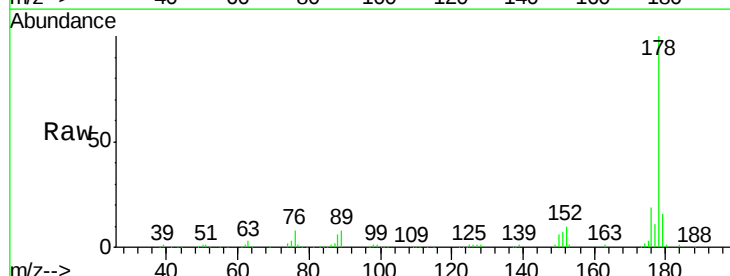


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

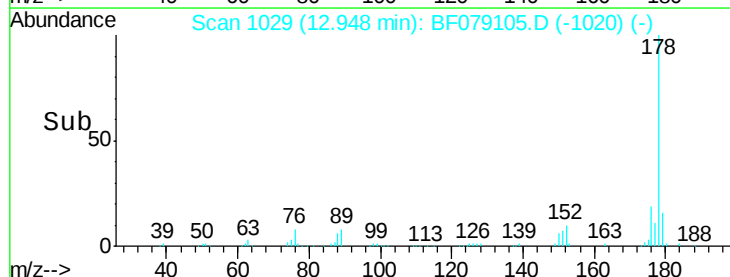
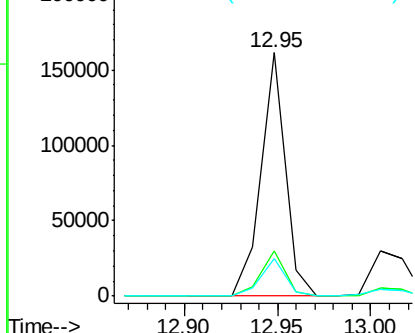


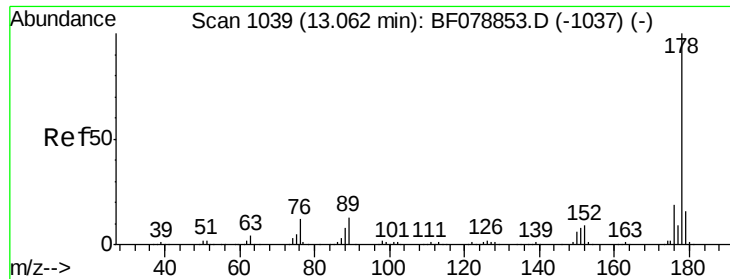
#70
Phenanthrene
Concen: 10.42 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF079105.D
Acq: 10 May 2015 3:05

Tgt Ion:178 Resp: 145861
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.5 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

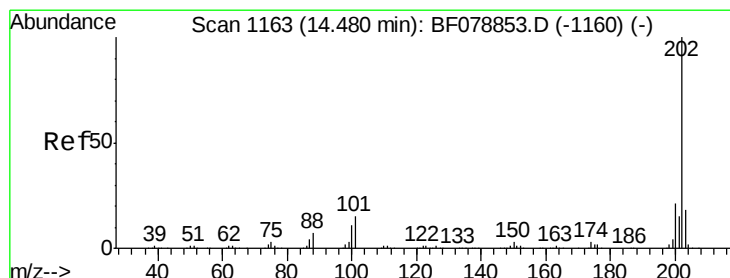
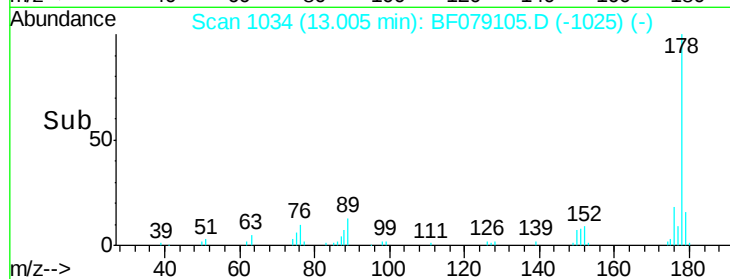
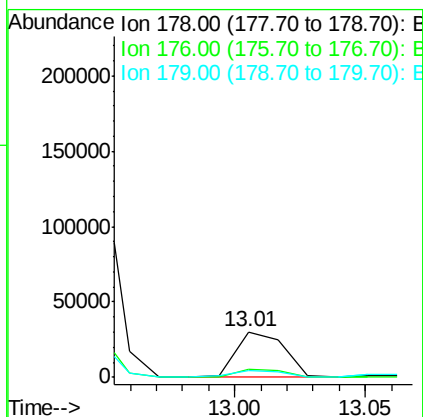
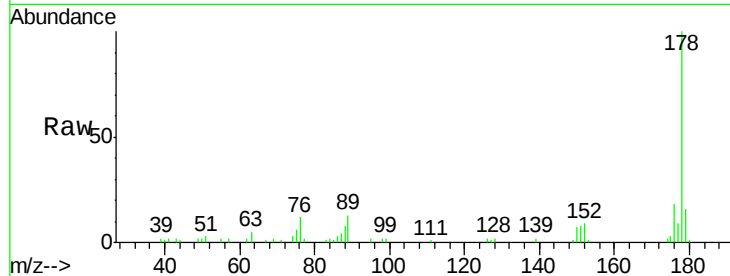




#71
 Anthracene
 Concen: 2.81 ng
 RT: 13.01 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BF079105.D
 Acq: 10 May 2015 3:05

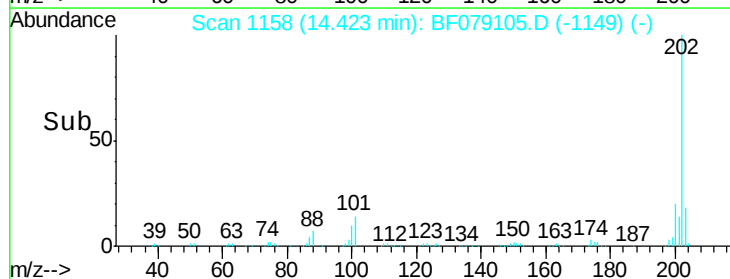
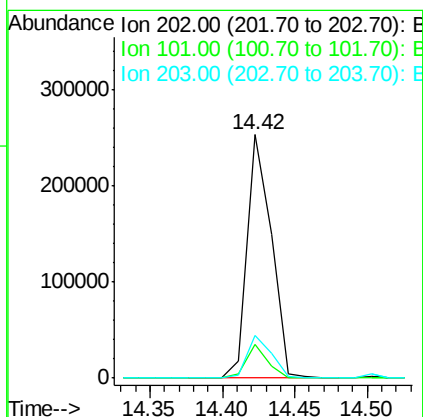
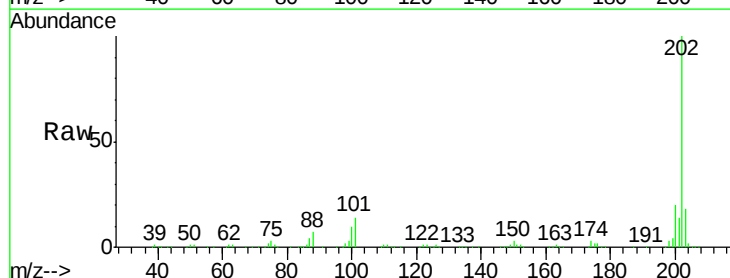
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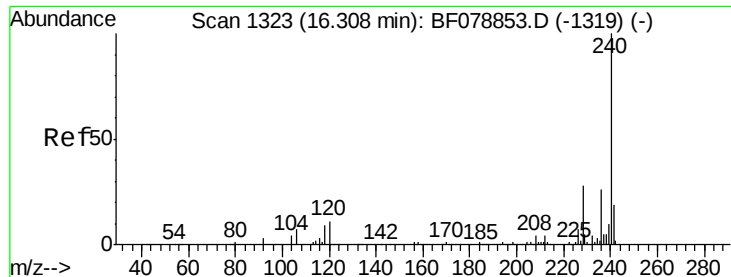
Tgt Ion:178 Resp: 38581
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.5 23.3
 179 15.8 12.7 19.1



#74
 Fluoranthene
 Concen: 20.13 ng
 RT: 14.42 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: BF079105.D
 Acq: 10 May 2015 3:05

Tgt Ion:202 Resp: 293622
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 34.6
 203 17.6 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.21 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BF079105.D

Acq: 10 May 2015 3:05

Instrument :

BNA_F

ClientSampleId :

SB-46AS

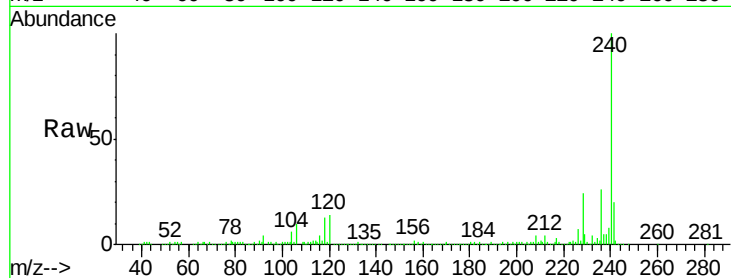
Tgt Ion:240 Resp: 250819

Ion Ratio Lower Upper

240 100

120 14.4 9.7 14.5

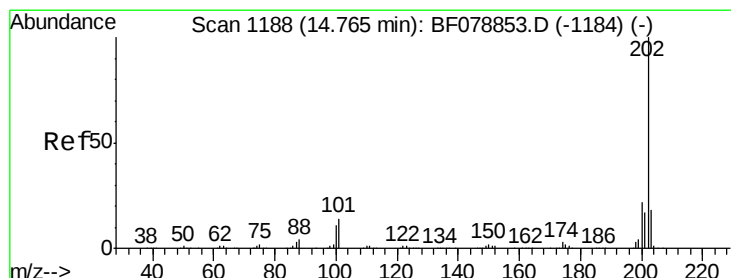
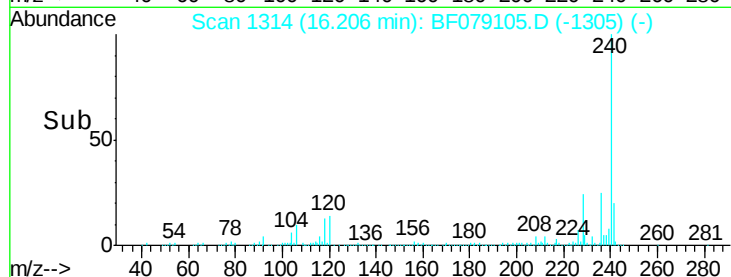
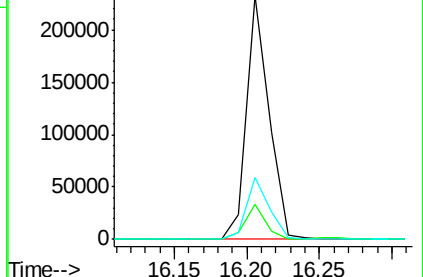
236 25.5 20.2 30.4



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: 19.15 ng

RT: 14.71 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BF079105.D

Acq: 10 May 2015 3:05

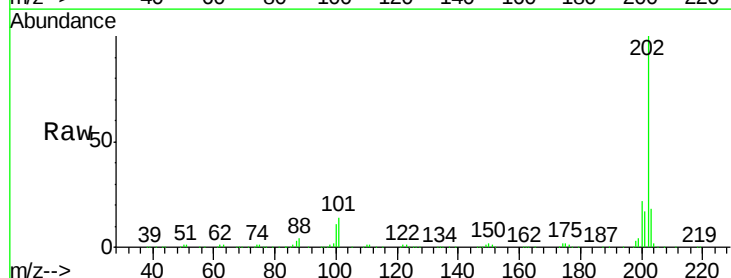
Tgt Ion:202 Resp: 276845

Ion Ratio Lower Upper

202 100

200 21.7 17.5 26.3

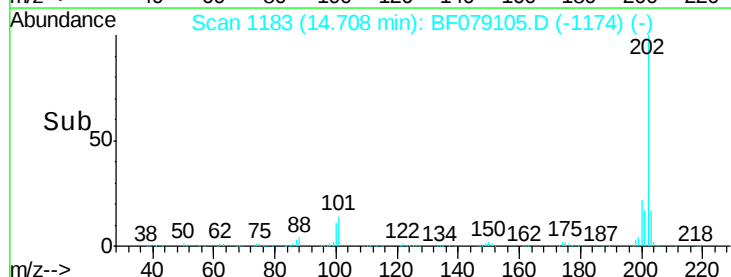
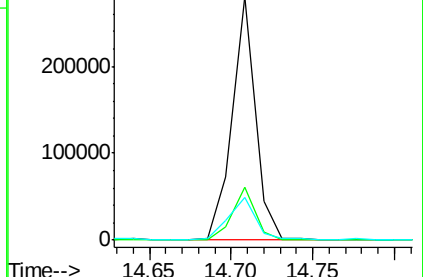
203 17.7 13.9 20.9

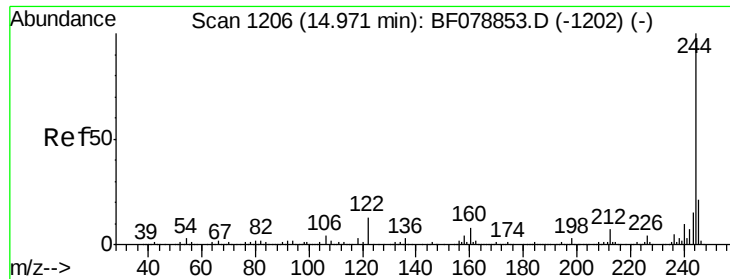


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

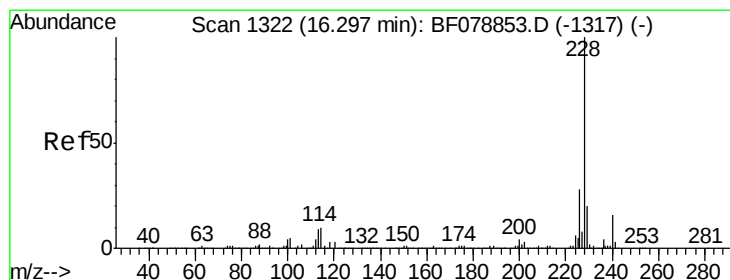
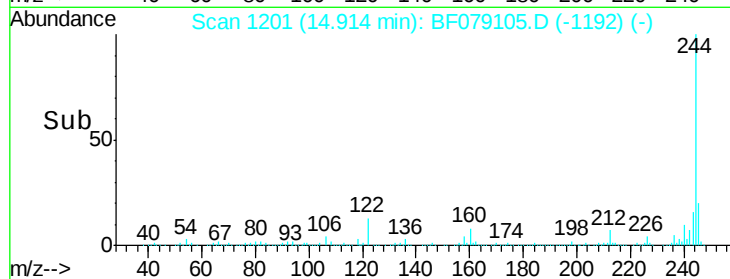
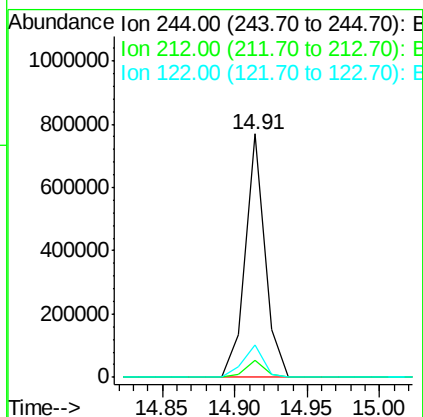
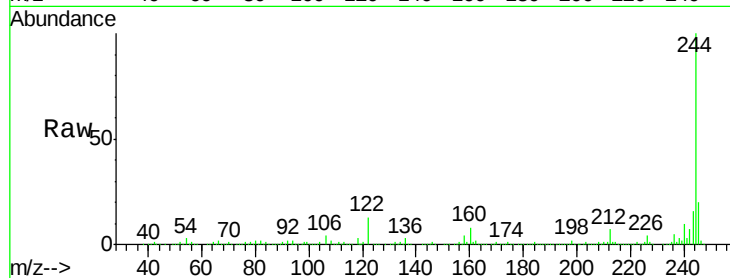




#78
 Terphenyl-d14
 Concen: 69.53 ng
 RT: 14.91 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF079105.D
 Acq: 10 May 2015 3:05

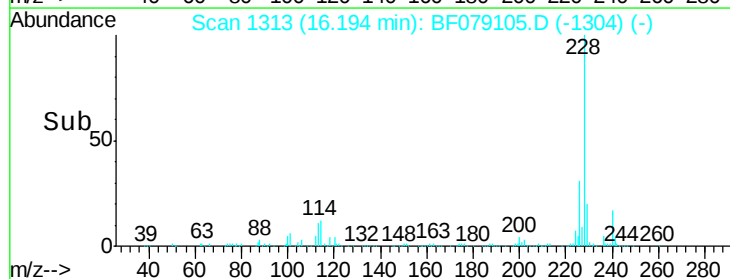
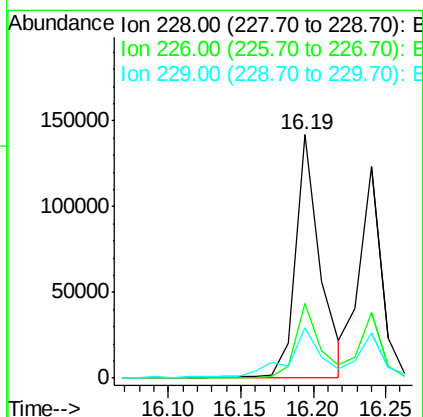
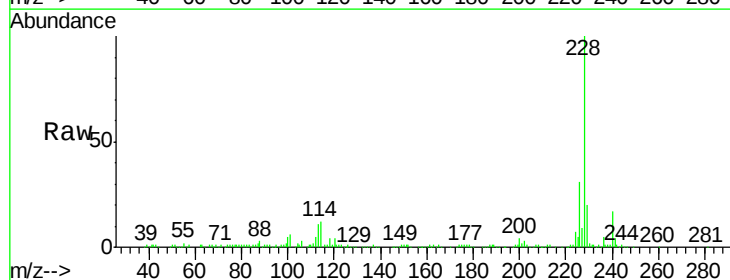
Instrument :
 BNA_F
 ClientSampleId :
 SB-46AS

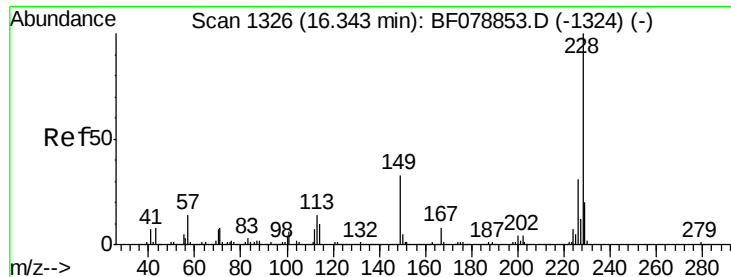
Tgt Ion: 244 Resp: 728427
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 13.1 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 12.29 ng
 RT: 16.19 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: BF079105.D
 Acq: 10 May 2015 3:05

Tgt Ion: 228 Resp: 168749
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.6 33.8
 229 20.5 15.9 23.9





#82

Chrysene

Concen: 9.81 ng

RT: 16.24 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF079105.D

Acq: 10 May 2015 3:05

Instrument :

BNA_F

ClientSampleId :

SB-46AS

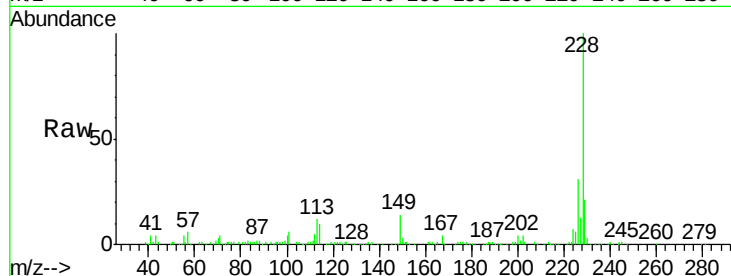
Tgt Ion:228 Resp: 129631

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

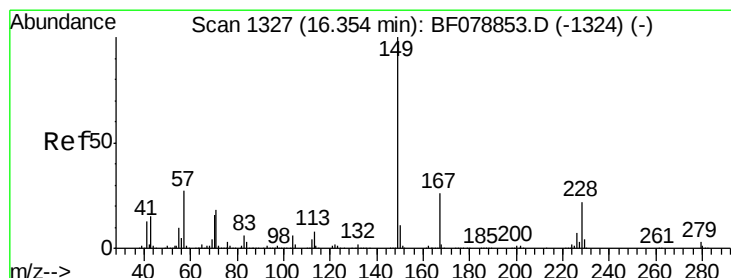
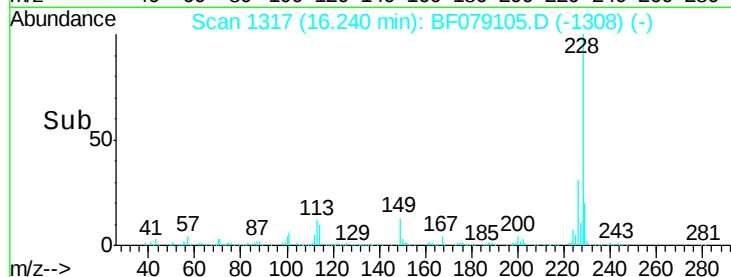
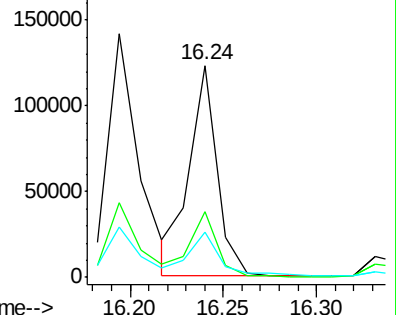
229 21.1 16.0 24.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.06 ng

RT: 16.24 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF079105.D

Acq: 10 May 2015 3:05

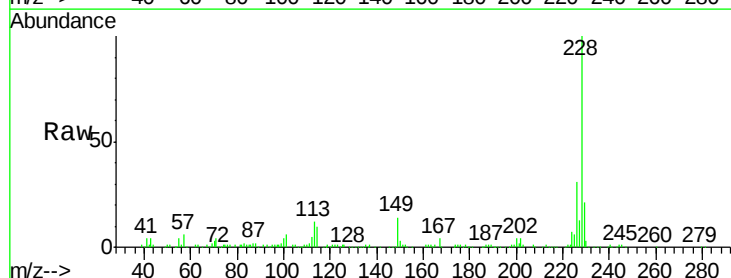
Tgt Ion:149 Resp: 19707

Ion Ratio Lower Upper

149 100

167 26.4 21.8 32.8

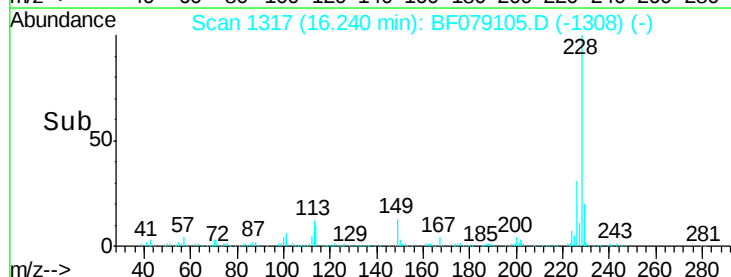
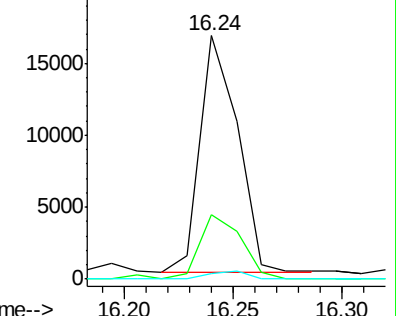
279 2.4 2.9 4.3#

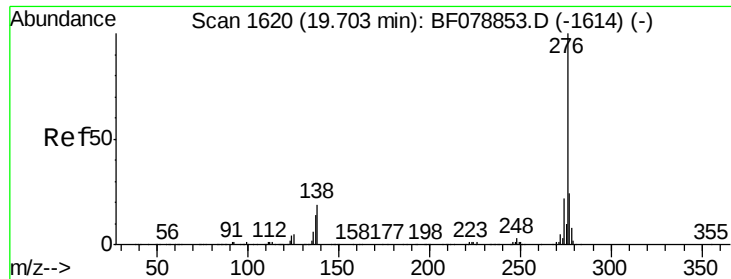


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

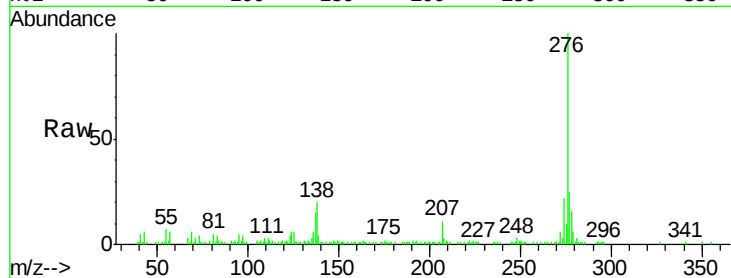




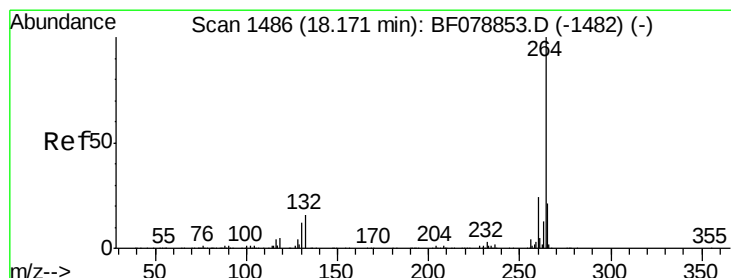
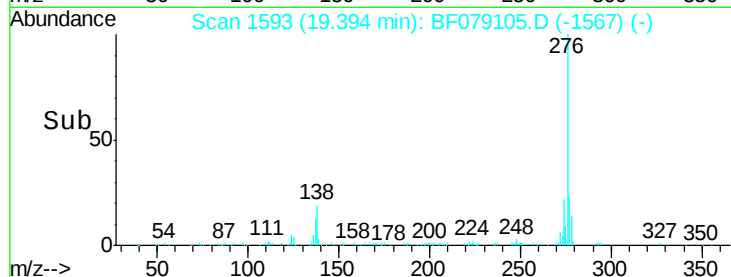
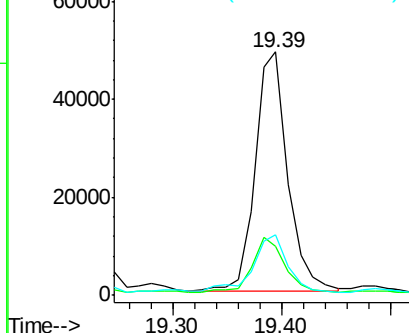
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.01 ng
 RT: 19.39 min Scan# 1593
 Delta R.T. 0.00 min
 Lab File: BF079105.D
 Acq: 10 May 2015 3:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-46AS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	0.0	0.0#
277	28.7	0.0	0.0#

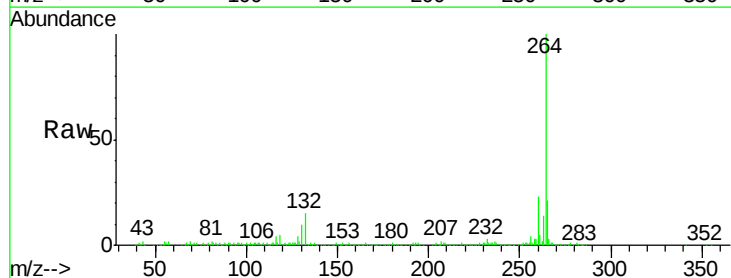


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

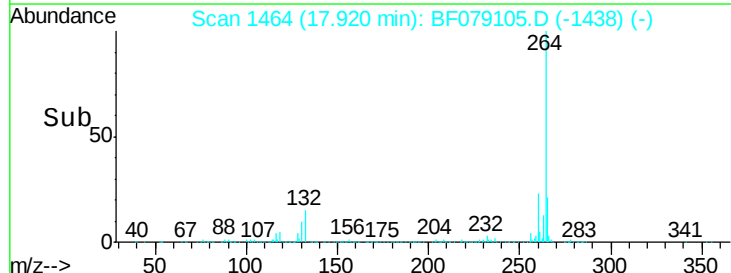
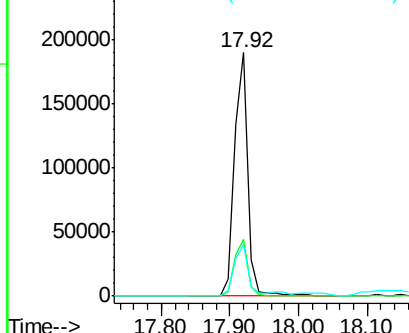


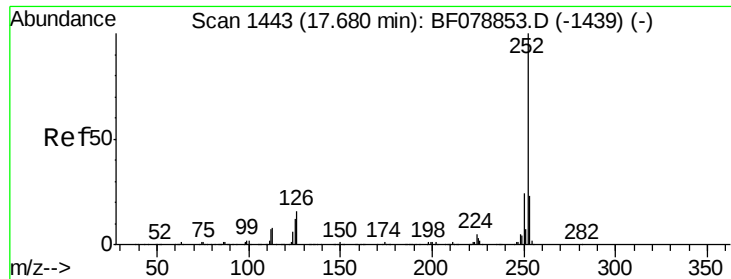
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.92 min Scan# 1464
 Delta R.T. 0.00 min
 Lab File: BF079105.D
 Acq: 10 May 2015 3:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.4	29.2
265	21.3	18.3	27.5



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: 18.88 ng

RT: 17.47 min Scan# 1425

Delta R.T. 0.00 min

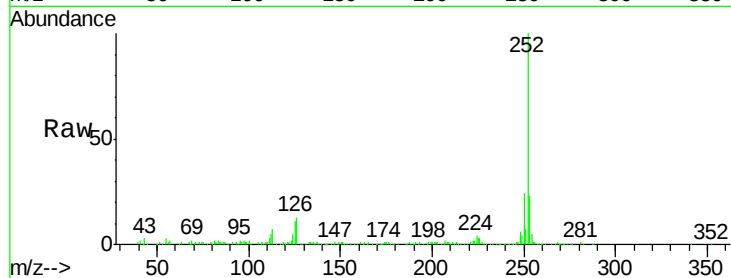
Lab File: BF079105.D

Acq: 10 May 2015 3:05

Instrument :
BNA_F
ClientSampleId :
SB-46AS

Tgt Ion: 252 Resp: 270438

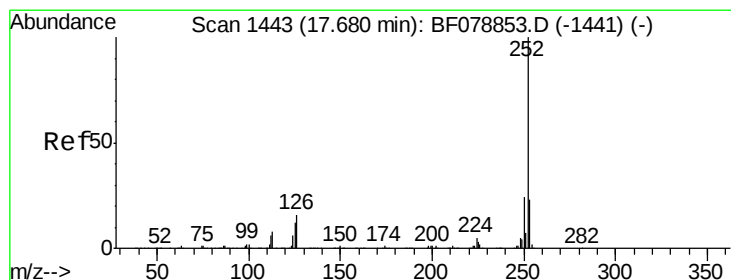
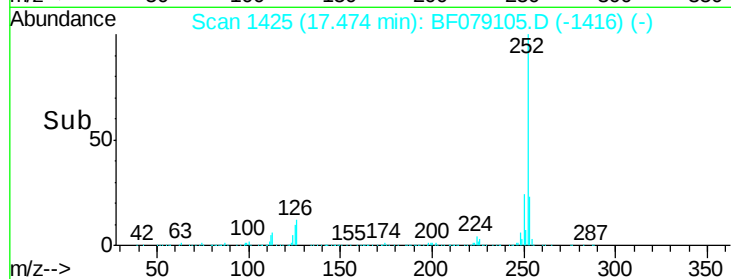
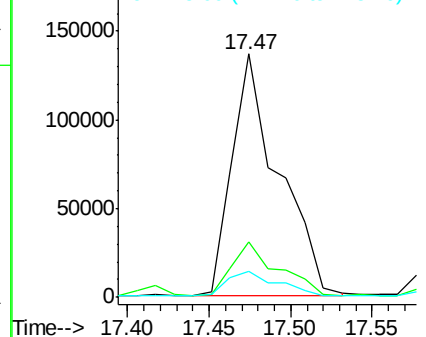
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	10.7	9.5	14.3



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



#88

Benzo(k)fluoranthene

Concen: 19.59 ng

RT: 17.47 min Scan# 1425

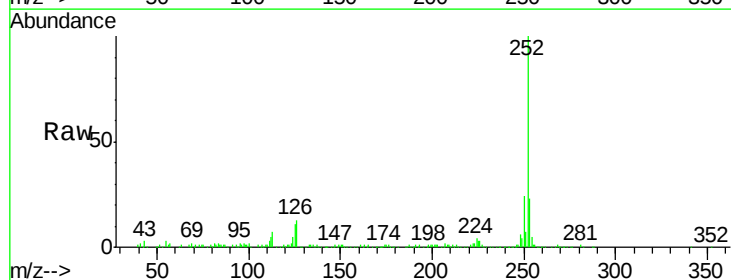
Delta R.T. -0.03 min

Lab File: BF079105.D

Acq: 10 May 2015 3:05

Tgt Ion: 252 Resp: 271726

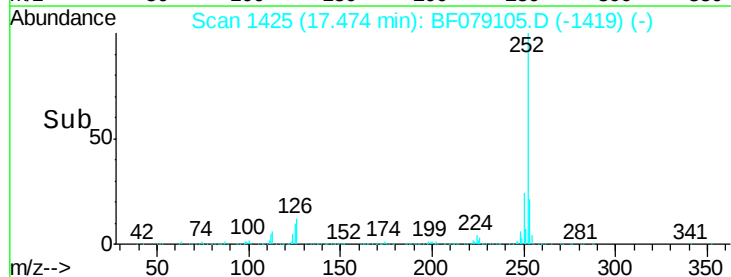
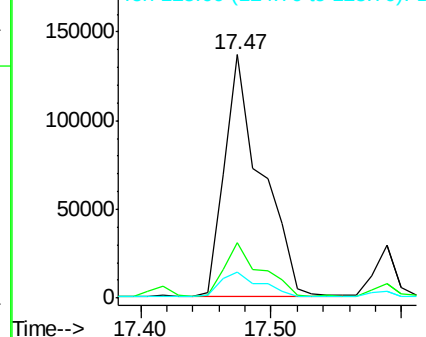
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	10.7	10.0	15.0

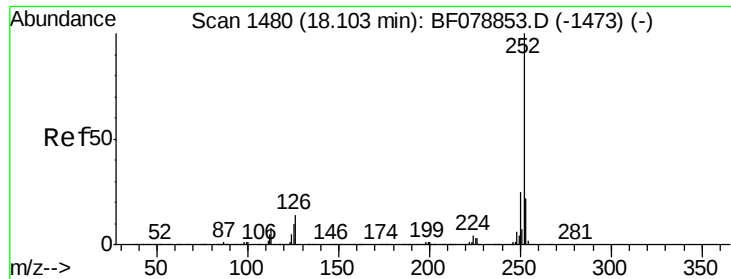


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 11.09 ng

RT: 17.85 min Scan# 1458

Delta R.T. 0.00 min

Lab File: BF079105.D

Acq: 10 May 2015 3:05

Instrument :

BNA_F

ClientSampleId :

SB-46AS

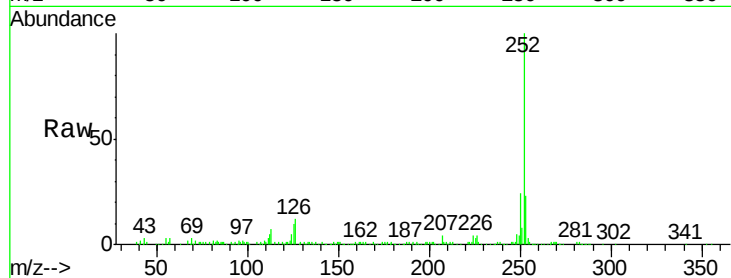
Tgt Ion: 252 Resp: 146358

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

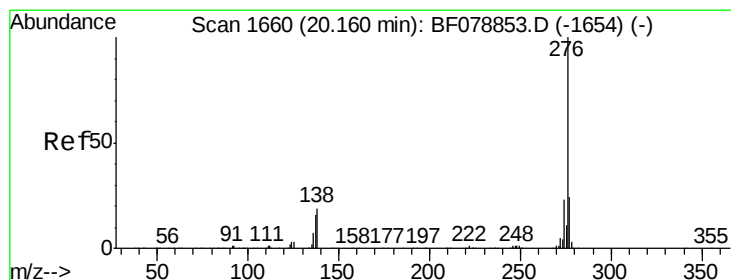
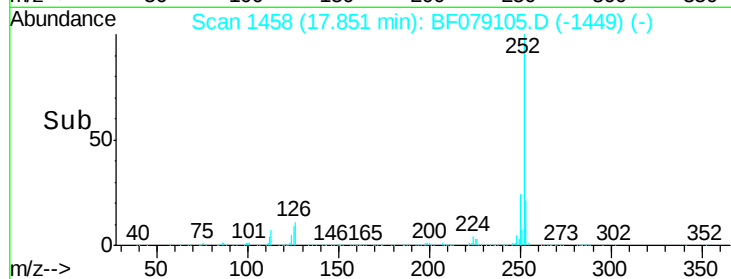
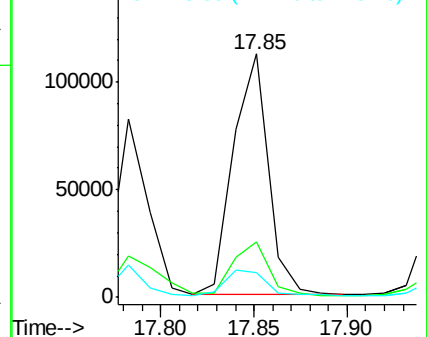
125 9.9 7.0 10.6



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: 6.97 ng

RT: 19.83 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BF079105.D

Acq: 10 May 2015 3:05

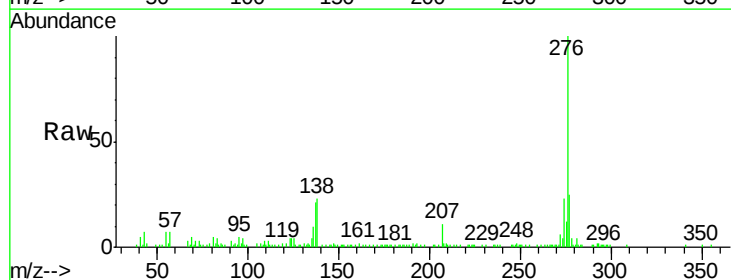
Tgt Ion: 276 Resp: 97960

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 22.9 17.4 26.0



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

