

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060315\
 Data File : BF079692.D
 Acq On : 4 Jun 2015 7:22
 Operator : TP/IZ
 Sample : G2420-08
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.4(5)

Quant Time: Jun 04 08:52:45 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 15:20:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	86986	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	337951	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	167655	20.00	ng	0.00
63) Phenanthrene-d10	12.11	188	316079	20.00	ng	-0.02
75) Chrysene-d12	15.14	240	340013	20.00	ng	-0.24
86) Perylene-d12	17.13	264	329392	20.00	ng	-0.35

System Monitoring Compounds

5) 2-Fluorophenol	6.14	112	584260	121.67	ng	0.00
7) Phenol-d6	7.11	99	741484	118.45	ng	0.00
23) Nitrobenzene-d5	8.08	82	393712	69.46	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	168247	121.59	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	938974	84.78	ng	0.00
78) Terphenyl-d14	13.83	244	1084205	80.65	ng	-0.12

Target Compounds

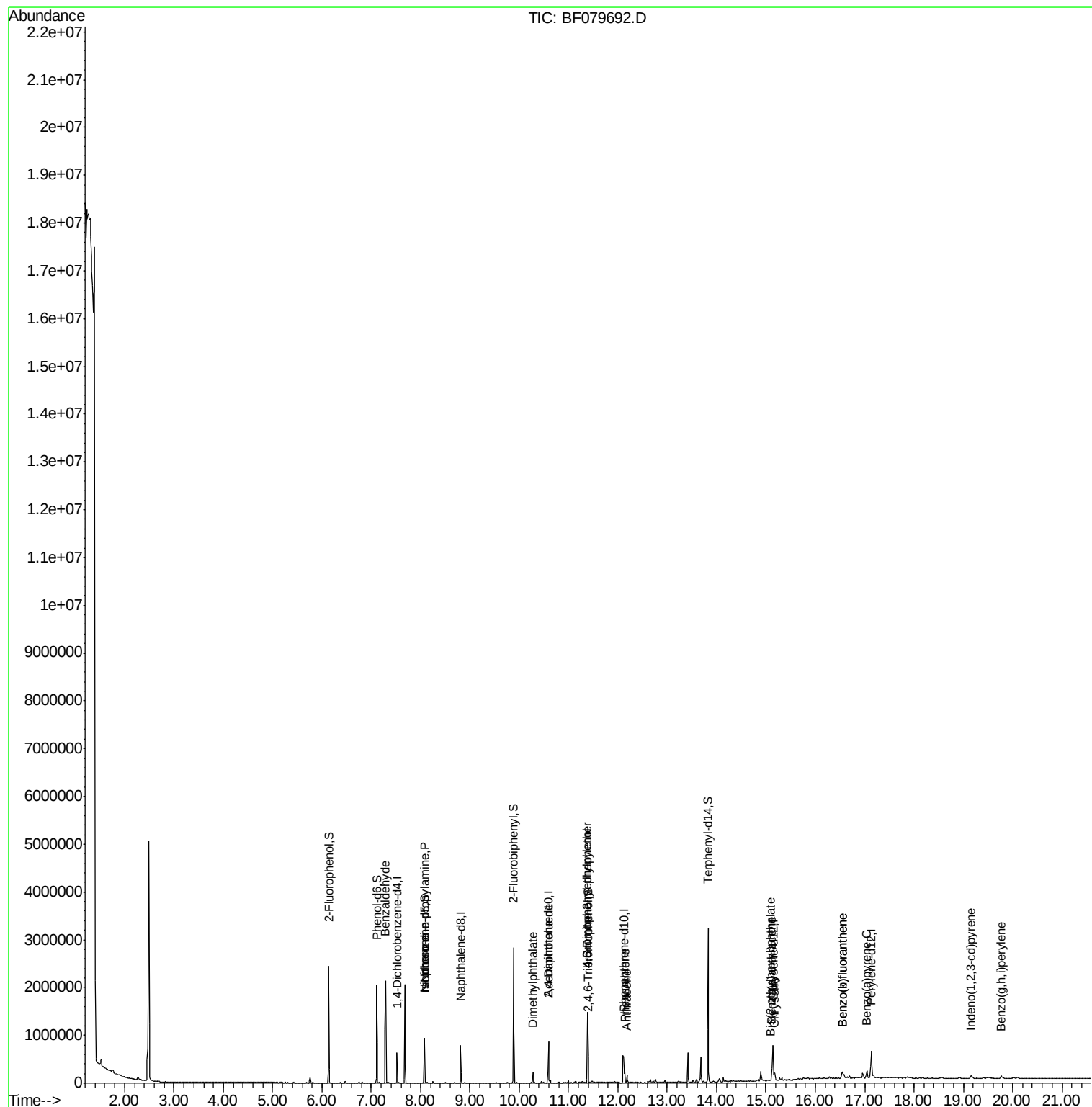
						Qvalue
9) Benzaldehyde	7.29	77	13934	3.81	ng	94
19) n-Nitroso-di-n-propylamine	8.08	70	51754	12.00	ng	# 74
25) Isophorone	8.08	82	392336	34.06	ng	# 65
49) Dimethylphthalate	10.27	163	86569	7.05	ng	97
56) 2,4-Dinitrotoluene	10.59	165	21740	12.80	ng	# 32
64) 4,6-Dinitro-2-methylphenol	11.38	198	254	8.23	ng	# 1
66) 4-Bromophenyl-phenylether	11.38	248	11876	3.74	ng	# 1
70) Phenanthrene	12.14	178	158071	9.05	ng	97
71) Anthracene	12.18	178	75025	4.27	ng	99
80) Benzo(a)anthracene	15.12	228	115414	6.21	ng	97
82) Chrysene	15.18	228	108104	5.78	ng	98
83) Bis(2-ethylhexyl)phthalate	15.09	149	3602	3.52	ng	# 94
85) Indeno(1,2,3-cd)pyrene	19.15	276	51223	2.80	ng	96
87) Benzo(b)fluoranthene	16.55	252	155656	9.14	ng	98
88) Benzo(k)fluoranthene	16.55	252	155852	7.81	ng	# 96
89) Benzo(a)pyrene	17.04	252	101451	6.10	ng	97
91) Benzo(g,h,i)perylene	19.77	276	52383	3.17	ng	98

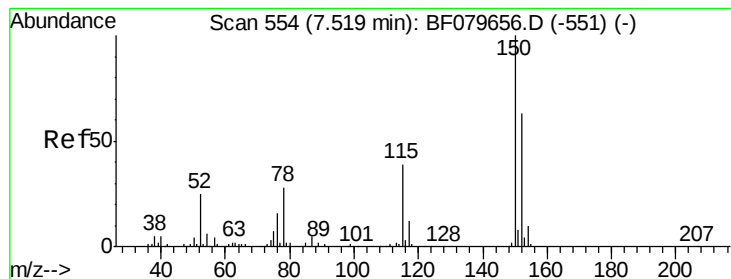
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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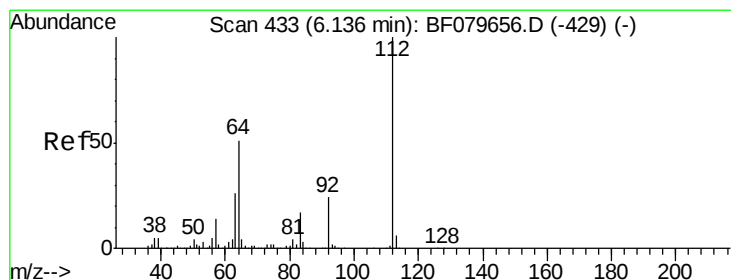
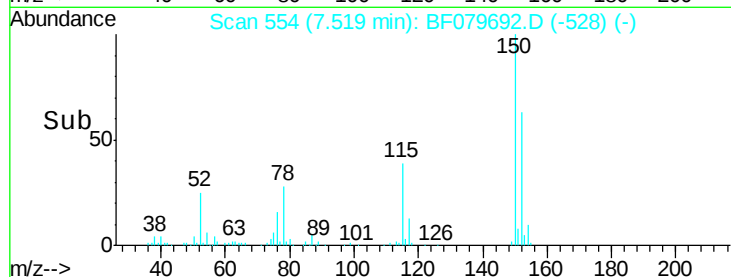
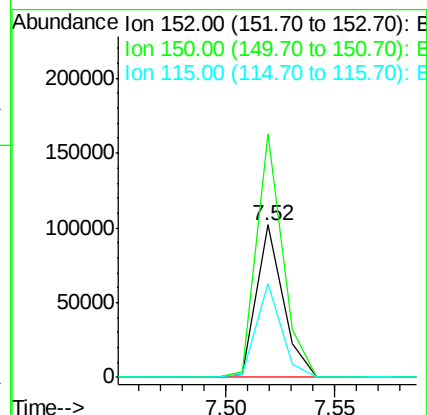
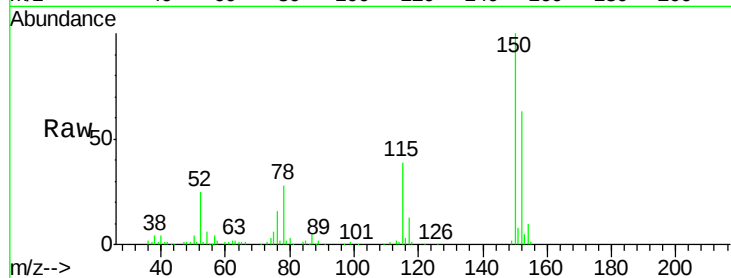


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Instrument :
BNA_F
ClientSampleId :
PENRD8.4(5)

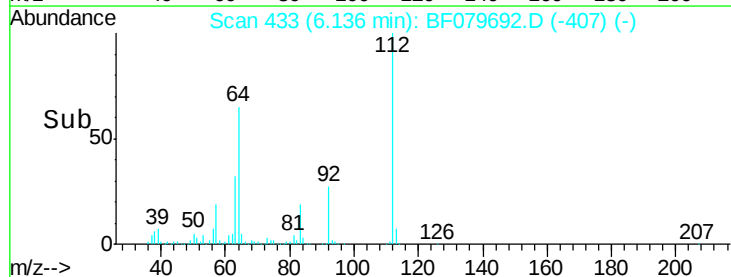
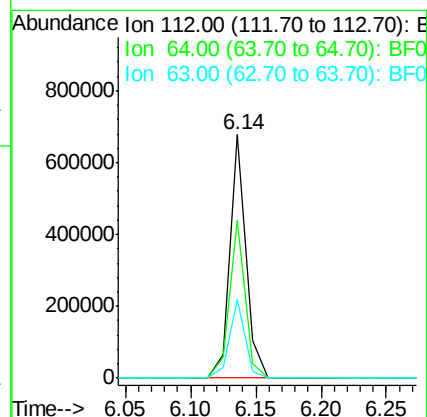
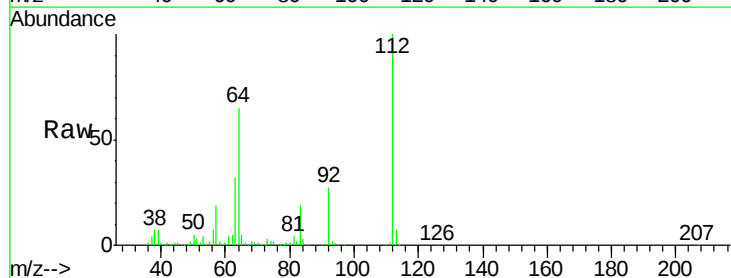
Tgt Ion:152 Resp: 86986
Ion Ratio Lower Upper
152 100
150 159.5 126.7 190.1
115 61.5 49.2 73.8

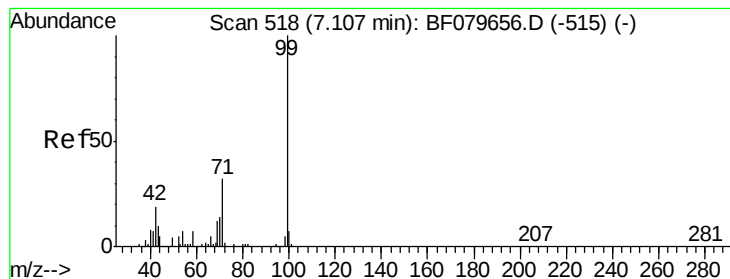


#5

2-Fluorophenol
Concen: 121.67 ng
RT: 6.14 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Tgt Ion:112 Resp: 584260
Ion Ratio Lower Upper
112 100
64 64.7 41.1 61.7#
63 32.0 20.5 30.7#





#7

Phenol-d6

Concen: 118.45 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

Instrument :

BNA_F

ClientSampleId :

PENRD8.4(5)

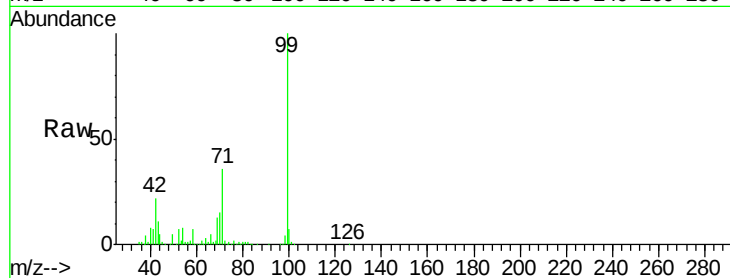
Tgt Ion: 99 Resp: 741484

Ion Ratio Lower Upper

99 100

42 22.0 15.2 22.8

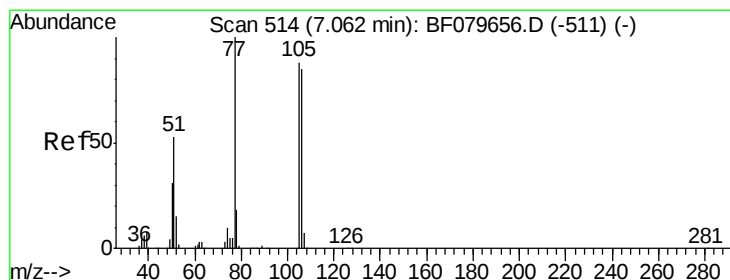
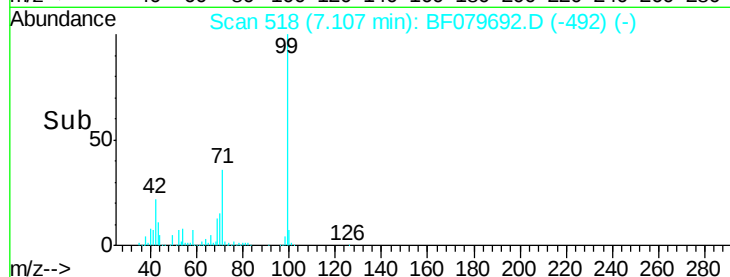
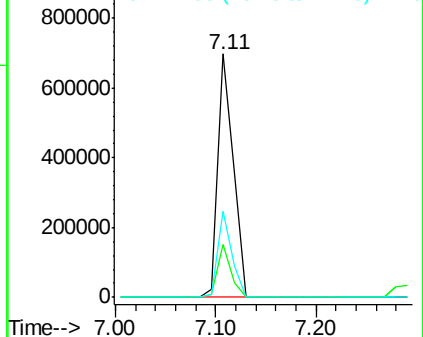
71 35.6 25.9 38.9



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



#9

Benzaldehyde

Concen: 3.81 ng

RT: 7.29 min Scan# 534

Delta R.T. 0.23 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

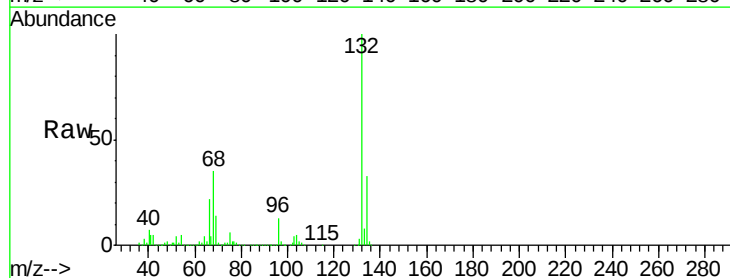
Tgt Ion: 77 Resp: 13934

Ion Ratio Lower Upper

77 100

105 84.8 68.2 108.2

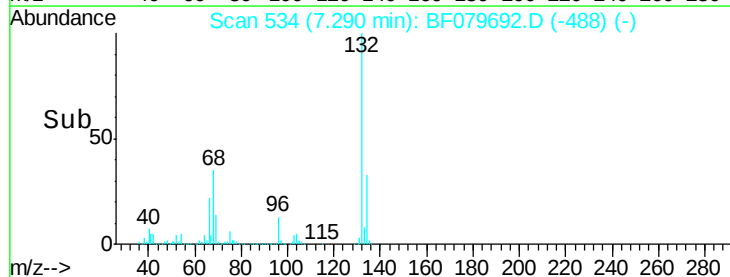
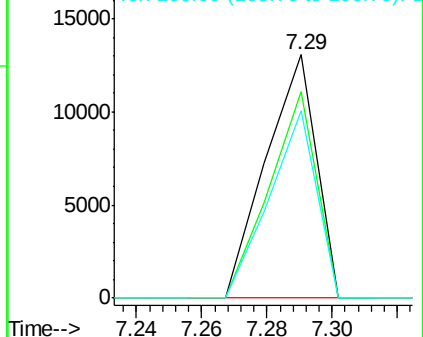
106 76.8 64.9 104.9

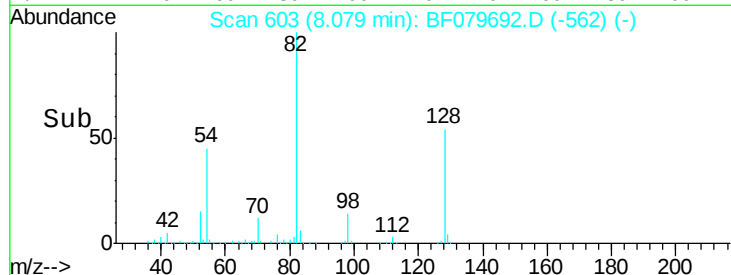
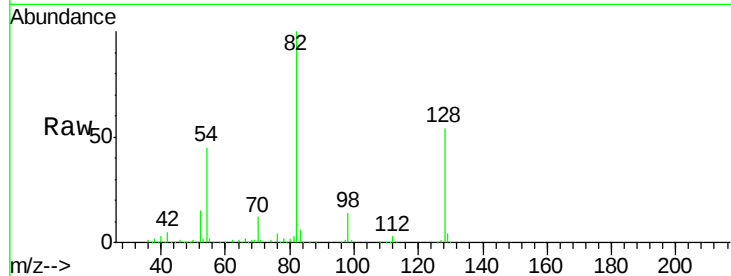
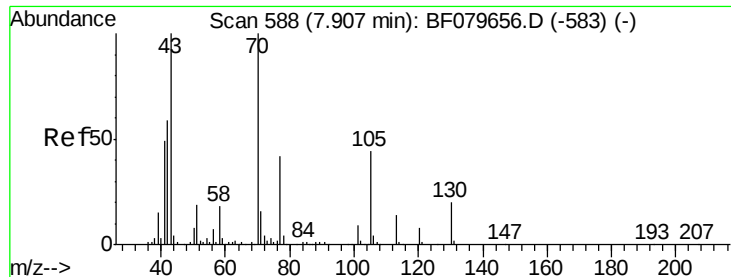


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

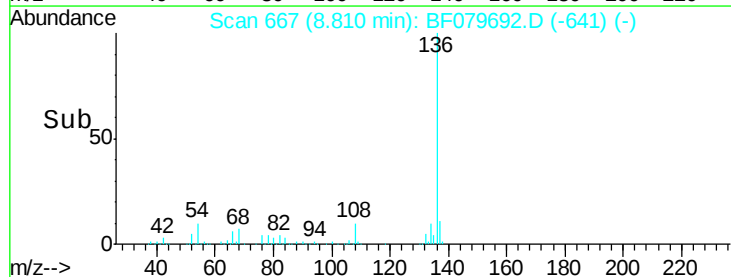
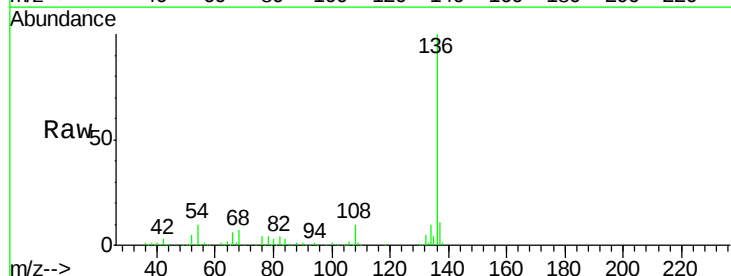
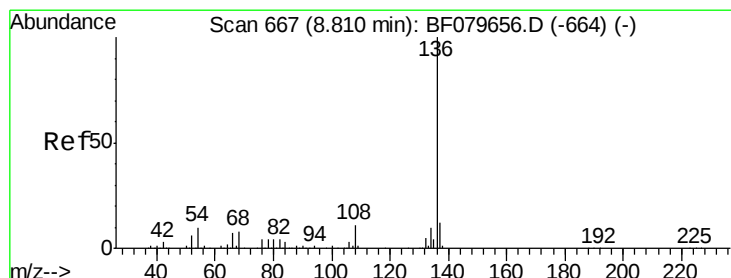
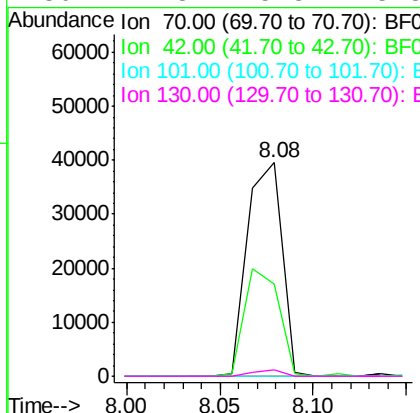




#19
n-Nitroso-di-n-propylamine
Concen: 12.00 ng
RT: 8.08 min Scan# 603
Delta R.T. 0.17 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

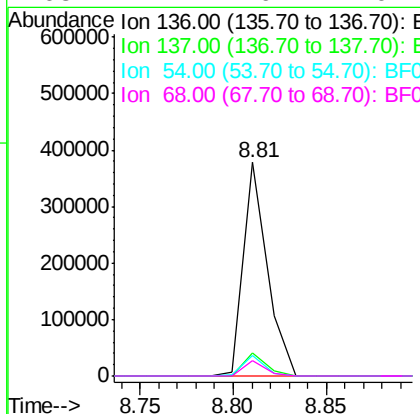
Instrument :
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ClientSampleId :
PENRD8.4(5)

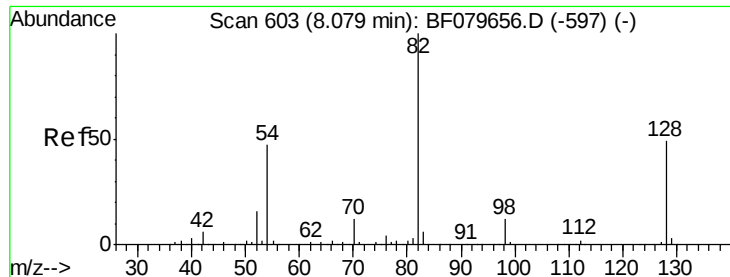
Tgt Ion: 70 Resp: 51754
Ion Ratio Lower Upper
70 100
42 43.0 47.7 71.5#
101 0.0 7.4 11.0#
130 2.8 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.81 min Scan# 667
Delta R.T. 0.00 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Tgt Ion: 136 Resp: 337951
Ion Ratio Lower Upper
136 100
137 10.9 9.3 13.9
54 9.9 8.3 12.5
68 7.1 6.1 9.1

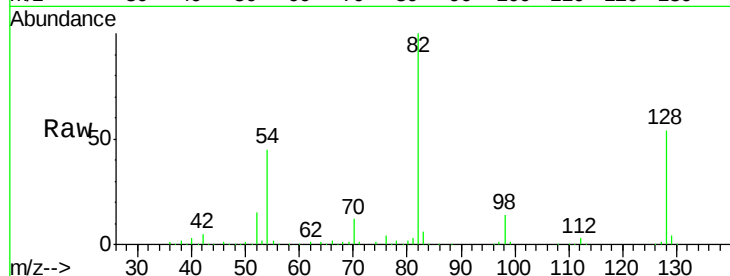




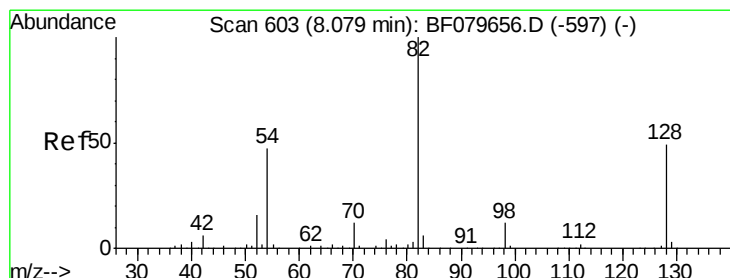
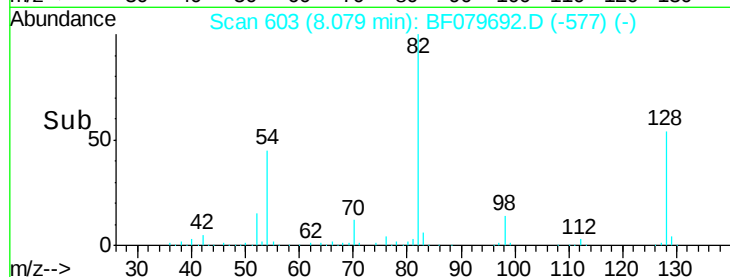
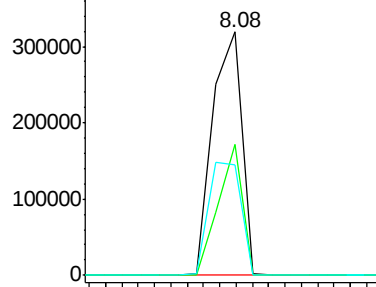
#23
 Nitrobenzene-d5
 Concen: 69.46 ng
 RT: 8.08 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: BF079692.D
 Acq: 4 Jun 2015 7:22

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.4(5)

Tgt Ion: 82 Resp: 393712
 Ion Ratio Lower Upper
 82 100
 128 53.6 39.4 59.0
 54 45.4 37.4 56.0

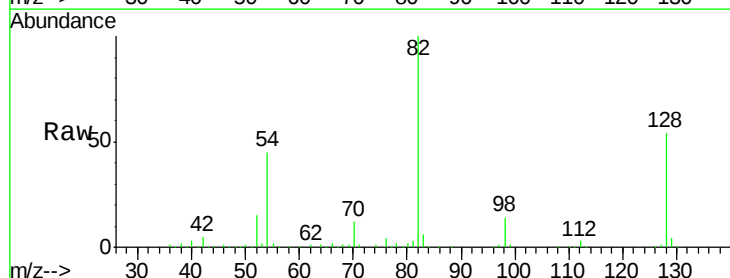


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

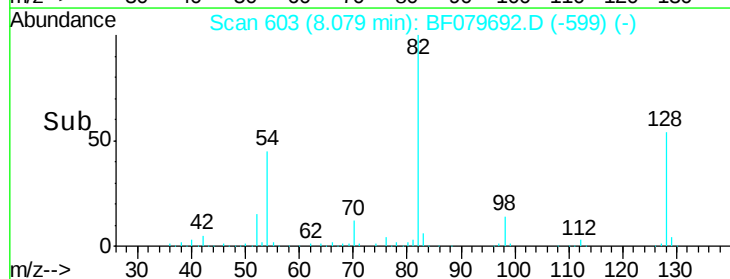
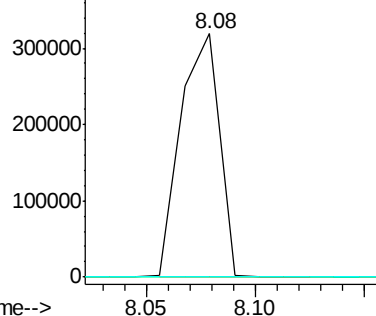


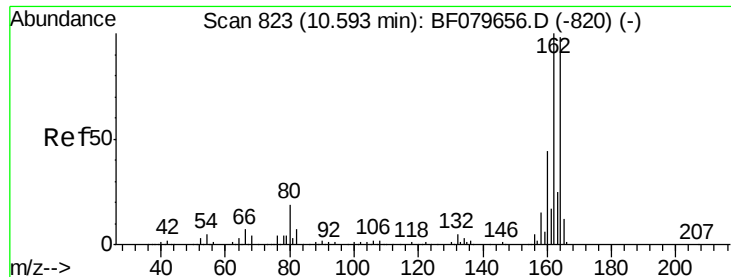
#25
 Isophorone
 Concen: 34.06 ng
 RT: 8.08 min Scan# 603
 Delta R.T. -0.25 min
 Lab File: BF079692.D
 Acq: 4 Jun 2015 7:22

Tgt Ion: 82 Resp: 392336
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

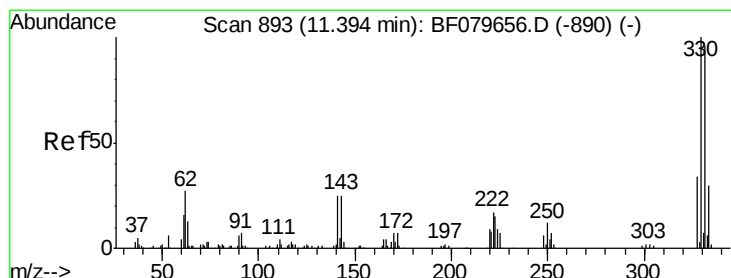
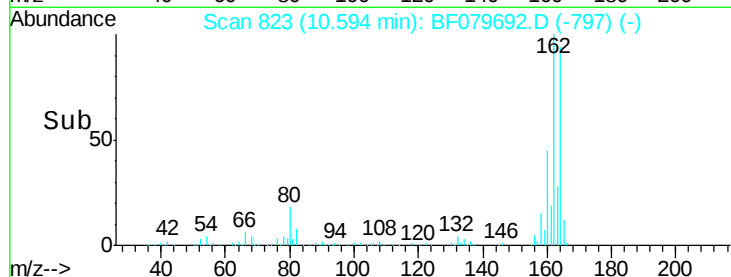
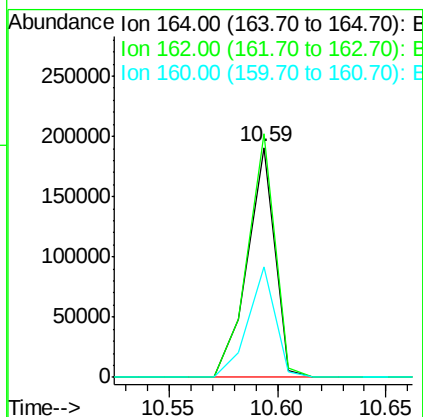
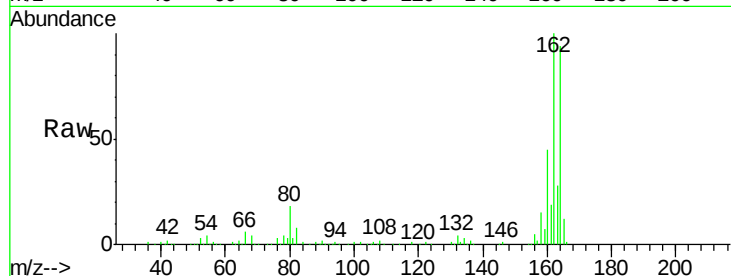




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.59 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

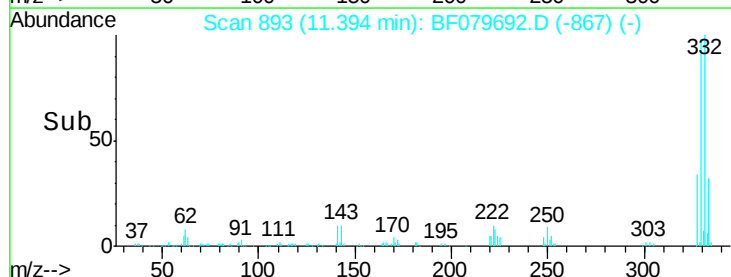
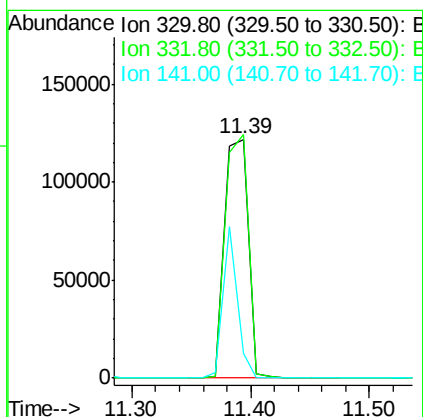
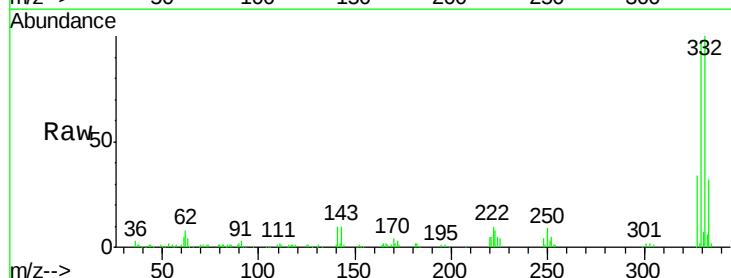
Instrument :
BNA_F
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PENRD8.4(5)

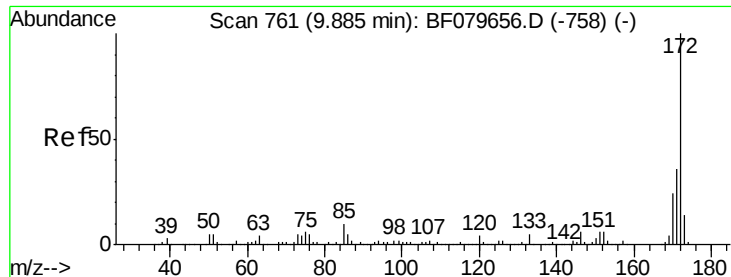
Tgt Ion:164 Resp: 167655
Ion Ratio Lower Upper
164 100
162 106.0 82.0 123.0
160 48.0 35.9 53.9



#41
2,4,6-Tribromophenol
Concen: 121.59 ng
RT: 11.39 min Scan# 893
Delta R.T. 0.00 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Tgt Ion:330 Resp: 168247
Ion Ratio Lower Upper
330 100
332 99.6 77.3 115.9
141 37.9 27.4 41.2

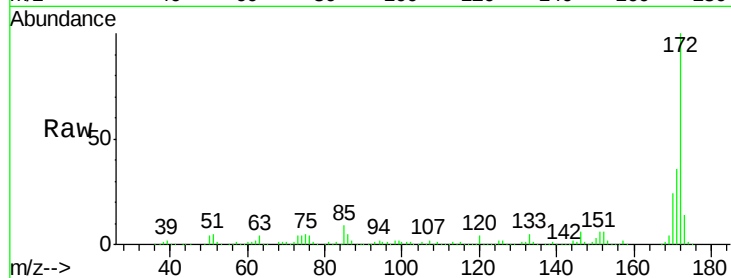




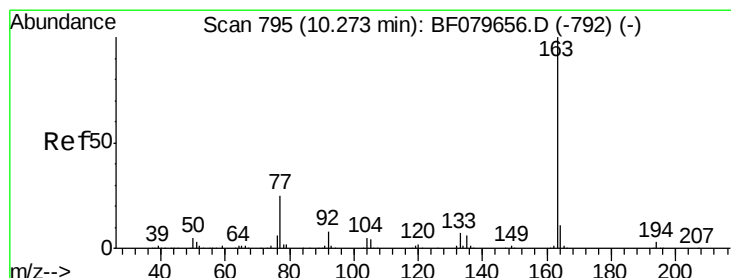
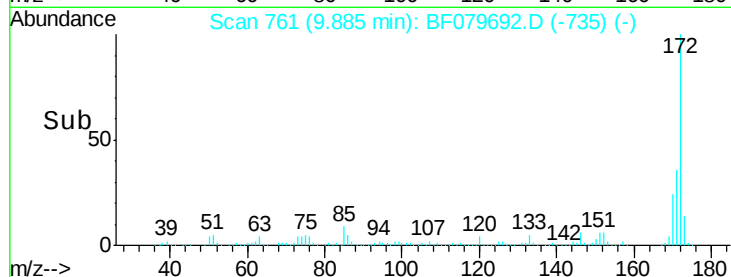
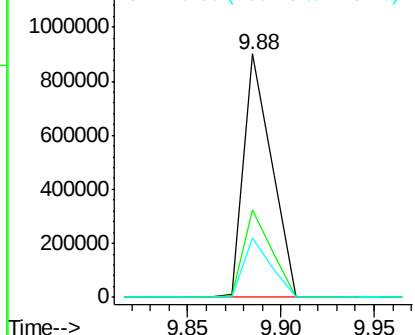
#44
2-Fluorobiphenyl
Concen: 84.78 ng
RT: 9.88 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Instrument :
BNA_F
ClientSampleId :
PENRD8.4(5)

Tgt Ion:172 Resp: 938974
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 24.4 19.2 28.8

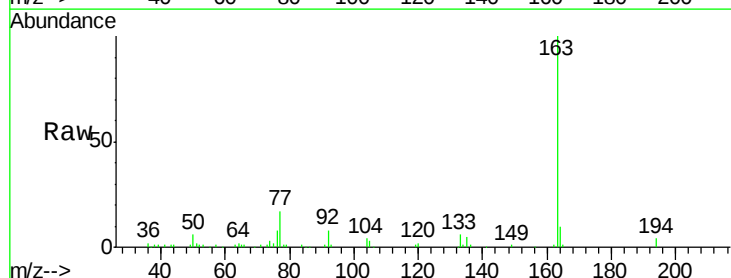


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

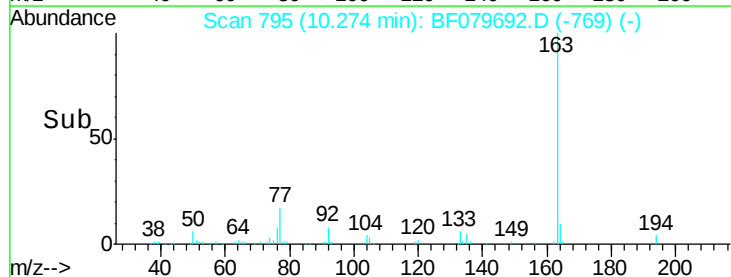
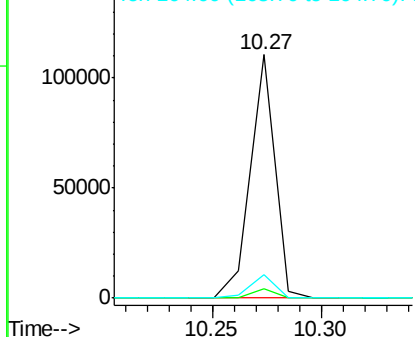


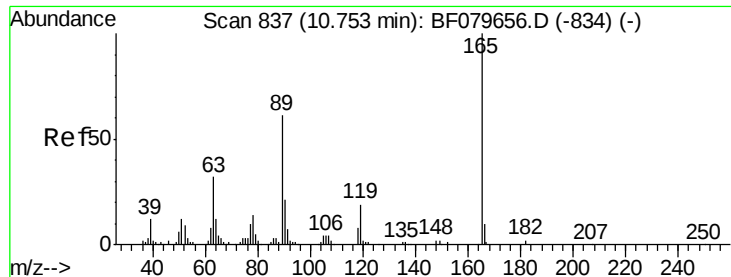
#49
Dimethylphthalate
Concen: 7.05 ng
RT: 10.27 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Tgt Ion:163 Resp: 86569
Ion Ratio Lower Upper
163 100
194 3.8 2.6 3.8
164 9.5 8.6 12.8



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

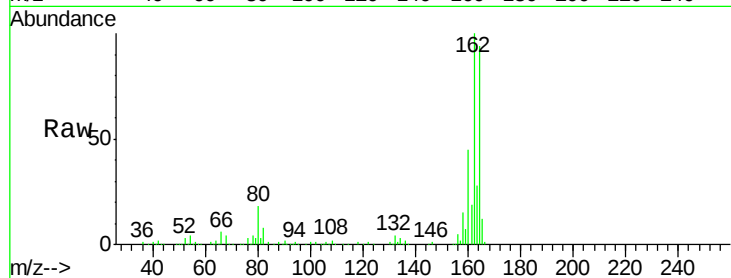




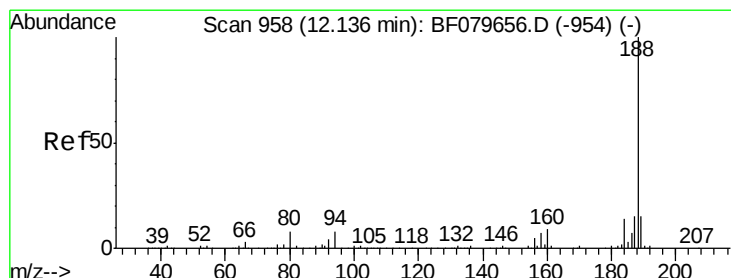
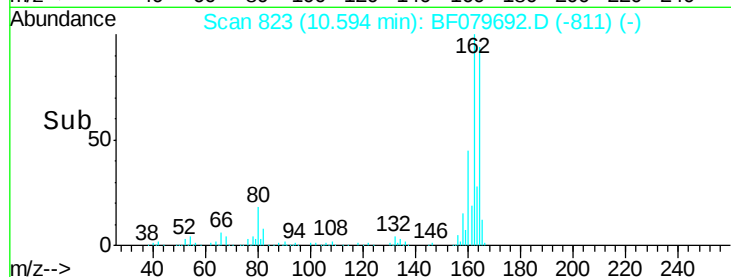
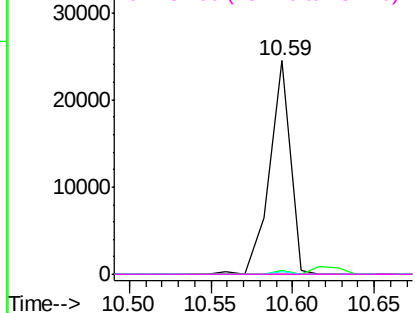
#56
2,4-Dinitrotoluene
Concen: 12.80 ng
RT: 10.59 min Scan# 823
Delta R.T. -0.16 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Instrument :
BNA_F
ClientSampleId :
PENRD8.4(5)

Tgt Ion:165 Resp: 21740
Ion Ratio Lower Upper
165 100
63 1.6 25.5 38.3#
89 1.5 48.5 72.7#
182 0.0 1.9 2.9#

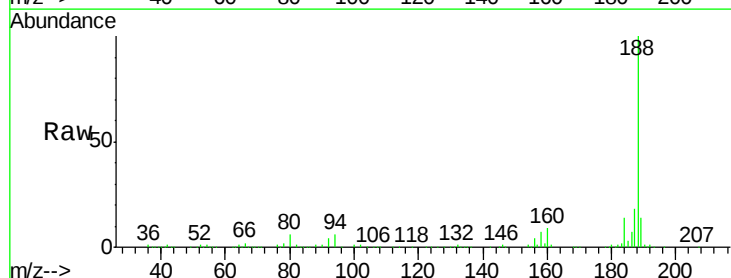


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

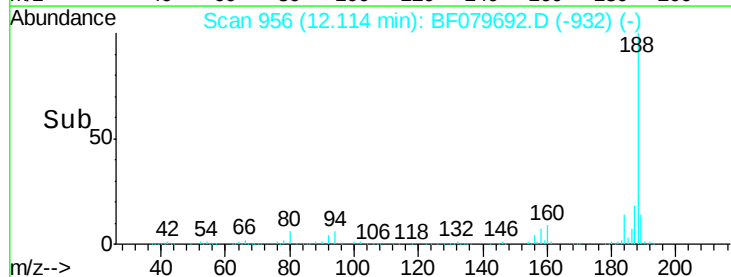
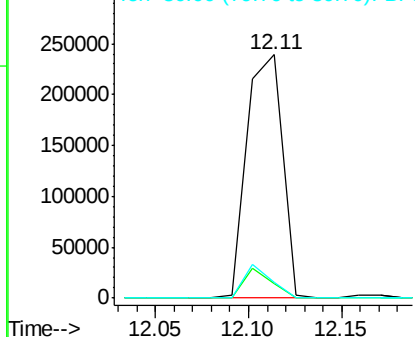


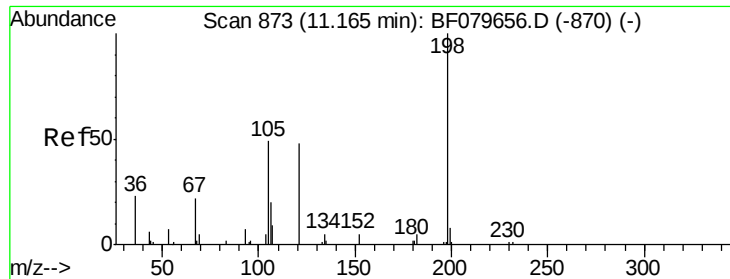
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.11 min Scan# 956
Delta R.T. -0.02 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Tgt Ion:188 Resp: 316079
Ion Ratio Lower Upper
188 100
94 6.1 6.1 9.1#
80 6.3 6.2 9.2



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

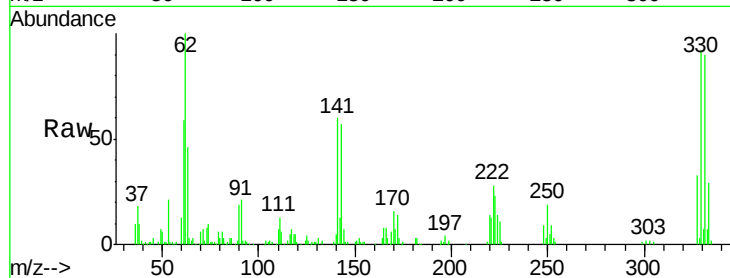




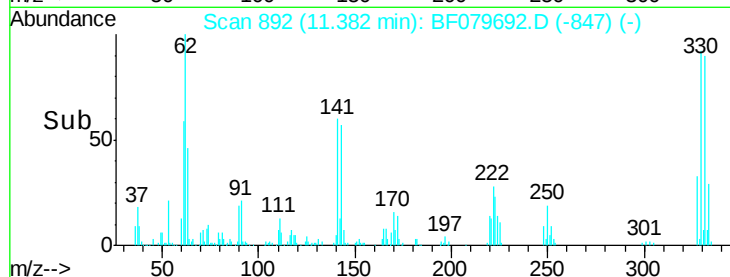
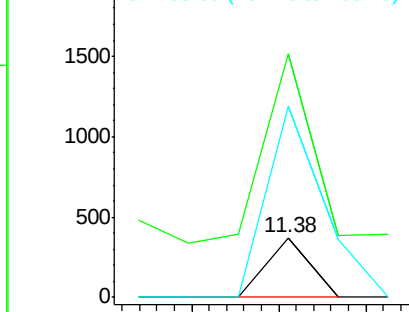
#64
4,6-Dinitro-2-methylphenol
Concen: 8.23 ng
RT: 11.38 min Scan# 892
Delta R.T. 0.22 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Instrument :
BNA_F
ClientSampleId :
PENRD8.4(5)

Tgt Ion:198 Resp: 254
Ion Ratio Lower Upper
198 100
51 409.7 46.1 86.1#
105 322.4 34.6 74.6#

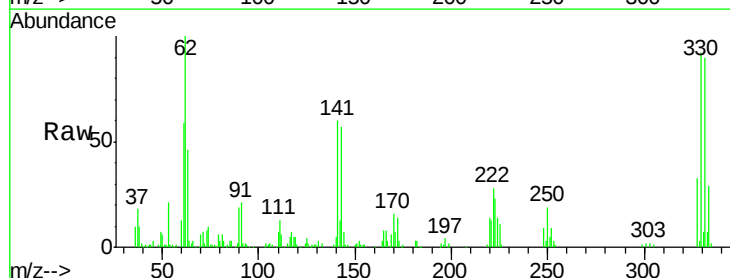
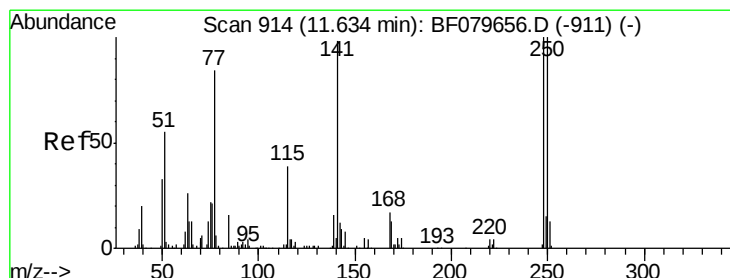


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

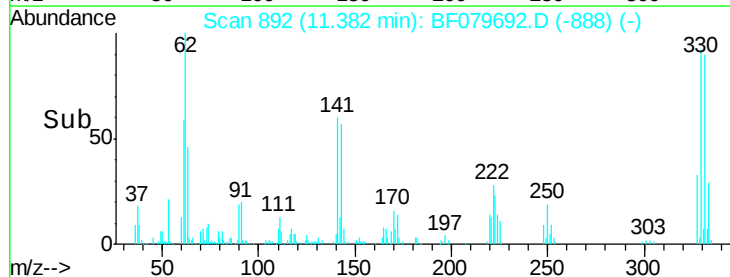
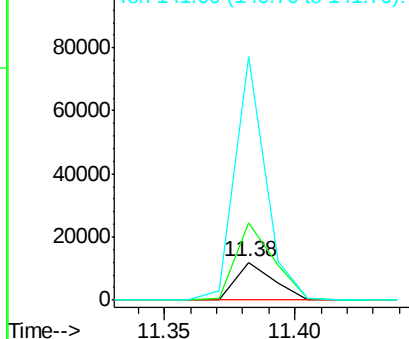


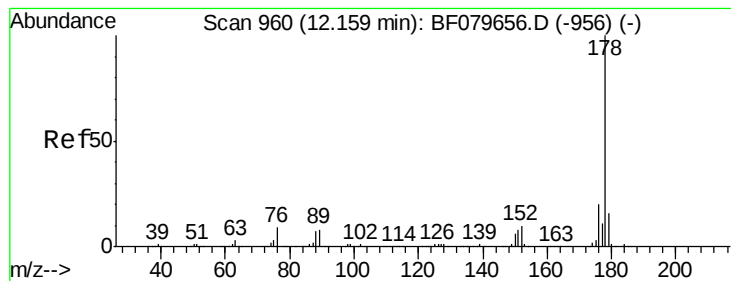
#66
4-Bromophenyl-phenylether
Concen: 3.74 ng
RT: 11.38 min Scan# 892
Delta R.T. -0.25 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Tgt Ion:248 Resp: 11876
Ion Ratio Lower Upper
248 100
250 202.1 80.0 120.0#
141 642.3 78.8 118.2#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 9.05 ng

RT: 12.14 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

Instrument :

BNA_F

ClientSampleId :

PENRD8.4(5)

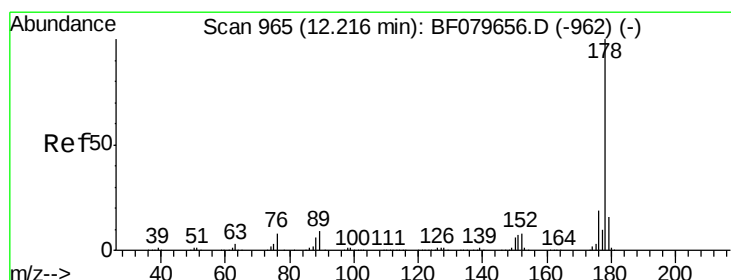
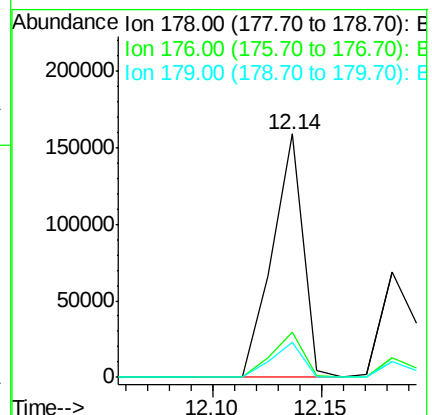
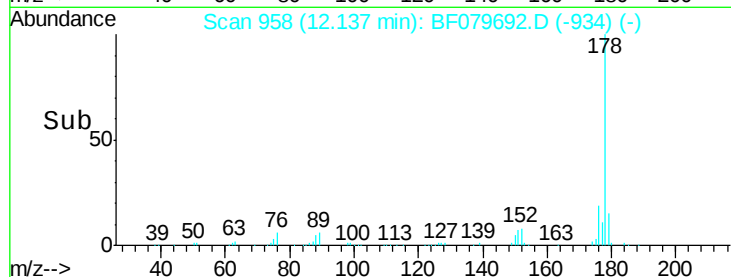
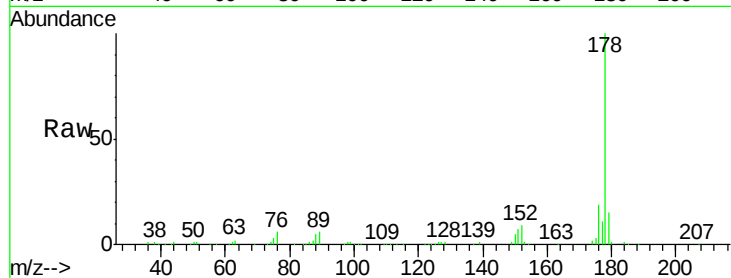
Tgt Ion:178 Resp: 158071

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

179 14.6 12.7 19.1



#71

Anthracene

Concen: 4.27 ng

RT: 12.18 min Scan# 962

Delta R.T. -0.03 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

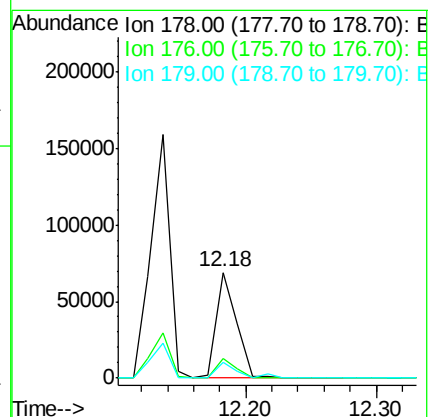
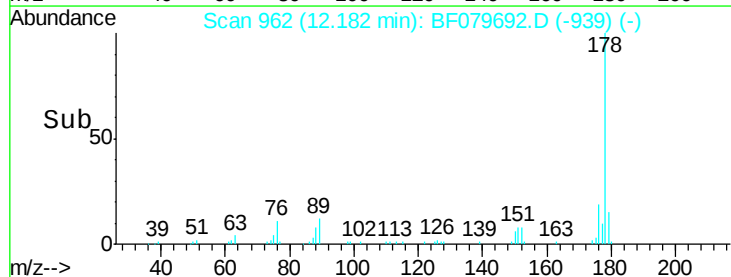
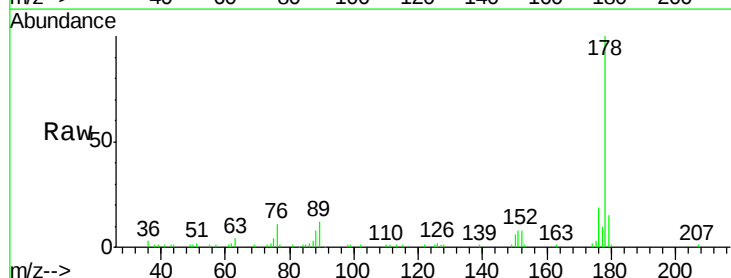
Tgt Ion:178 Resp: 75025

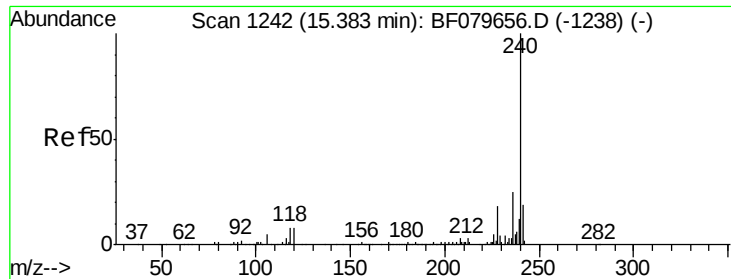
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 15.5 12.6 19.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.14 min Scan# 1221

Delta R.T. -0.24 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

Instrument :

BNA_F

ClientSampleId :

PENRD8.4(5)

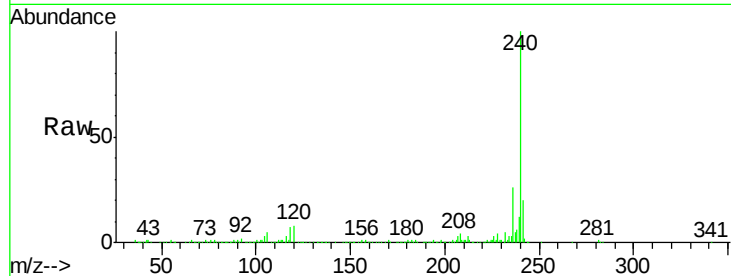
Tgt Ion:240 Resp: 340013

Ion Ratio Lower Upper

240 100

120 8.1 6.4 9.6

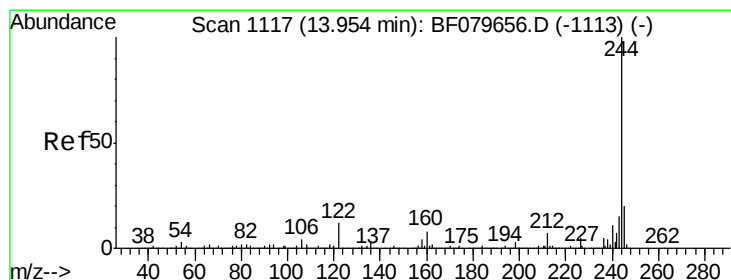
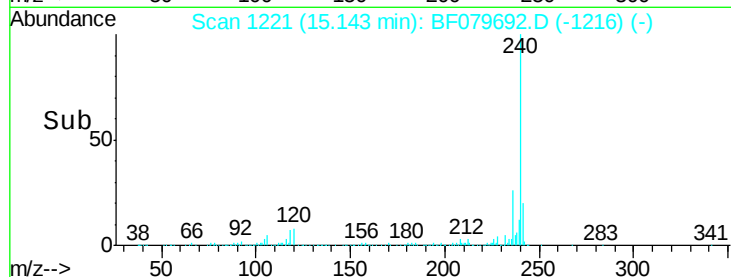
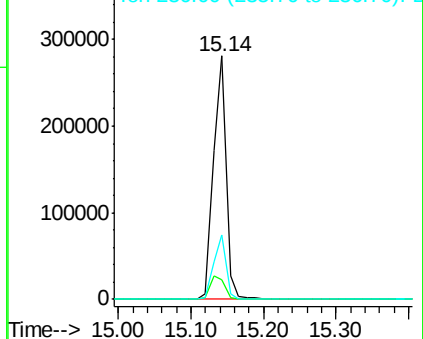
236 26.3 20.2 30.4



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



#78

Terphenyl-d14

Concen: 80.65 ng

RT: 13.83 min Scan# 1106

Delta R.T. -0.12 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

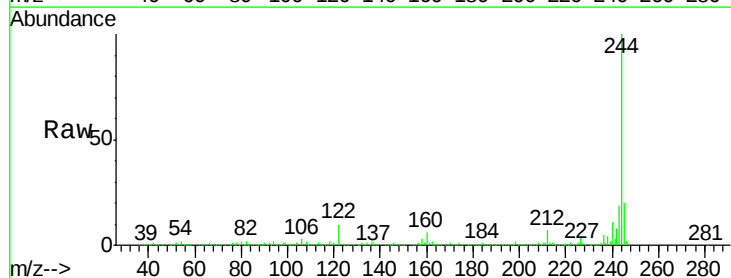
Tgt Ion:244 Resp: 1084205

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

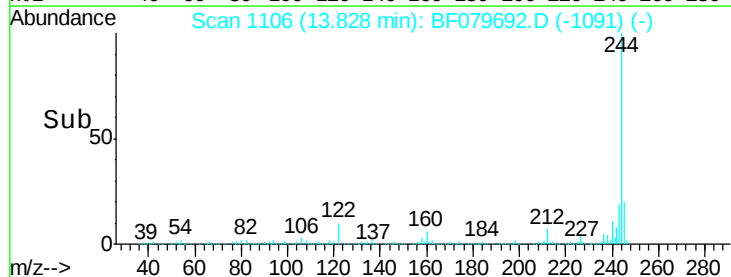
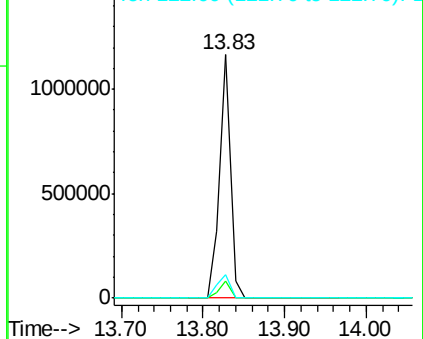
122 9.5 9.8 14.6#

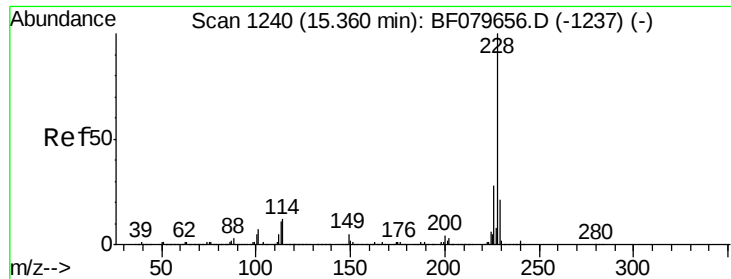


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.21 ng

RT: 15.12 min Scan# 1219

Delta R.T. -0.24 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

Instrument :

BNA_F

ClientSampleId :

PENRD8.4(5)

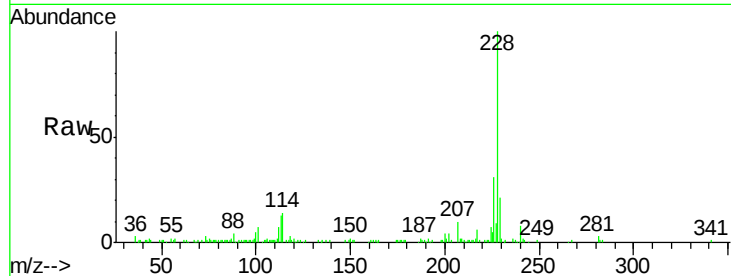
Tgt Ion:228 Resp: 115414

Ion Ratio Lower Upper

228 100

226 30.8 22.5 33.7

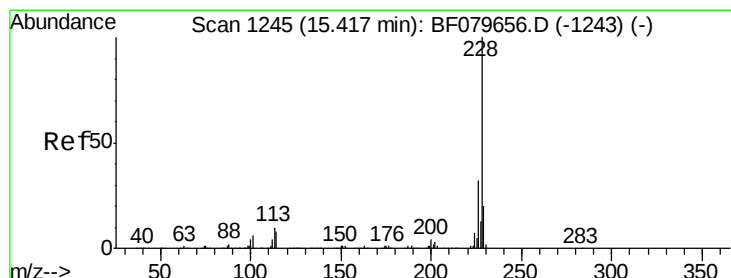
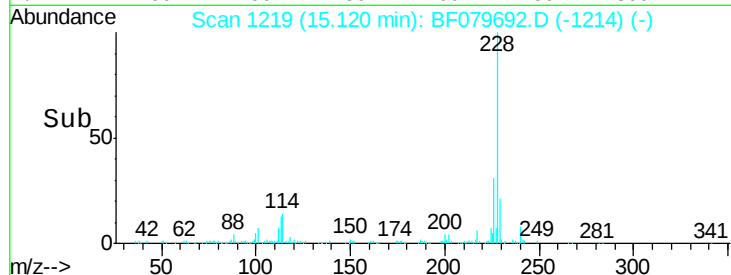
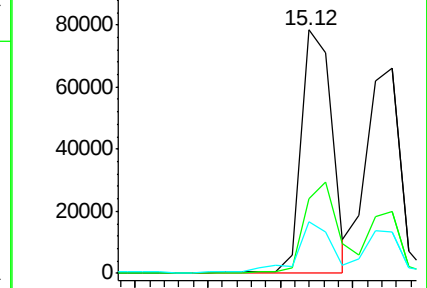
229 21.1 16.6 24.8



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: 5.78 ng

RT: 15.18 min Scan# 1224

Delta R.T. -0.24 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

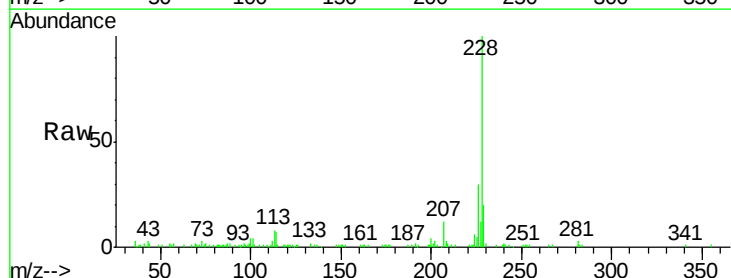
Tgt Ion:228 Resp: 108104

Ion Ratio Lower Upper

228 100

226 29.9 25.2 37.8

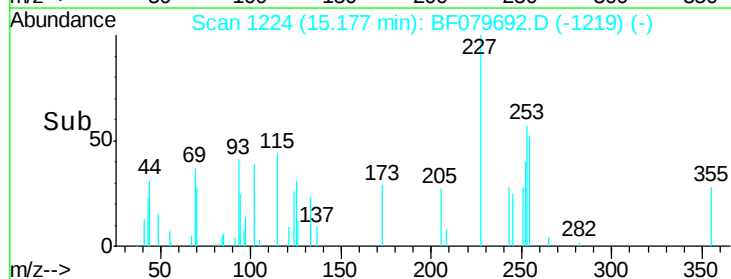
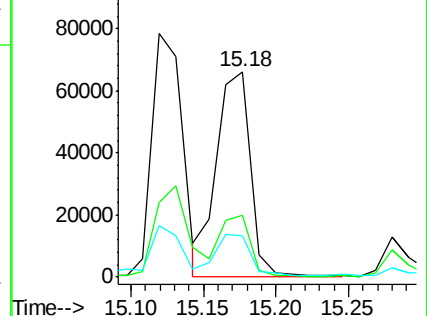
229 20.4 16.3 24.5

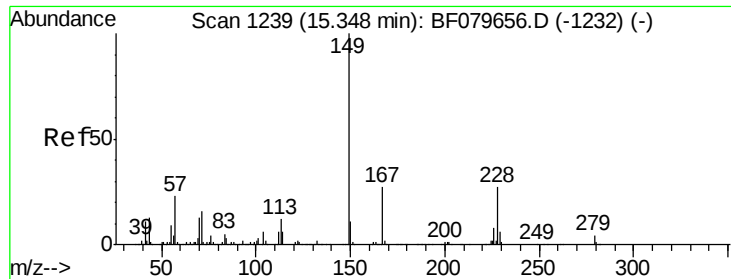


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.52 ng

RT: 15.09 min Scan# 1216

Delta R.T. -0.26 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

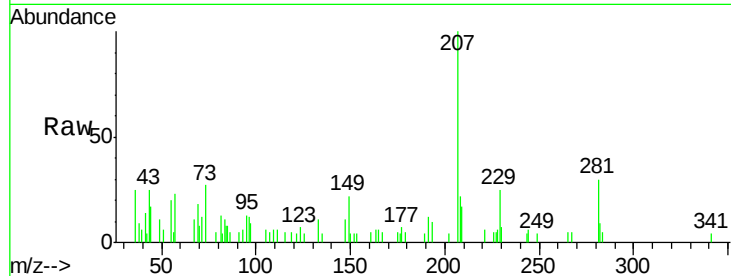
Instrument :

BNA_F

ClientSampleId :

PENRD8.4(5)

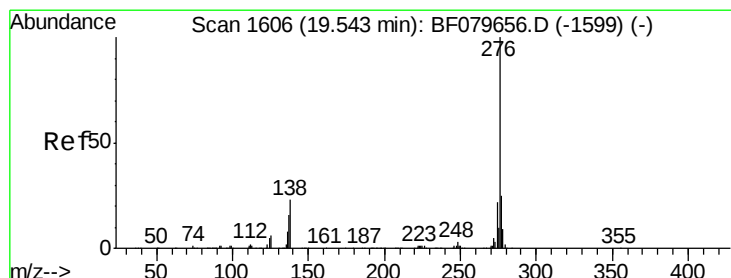
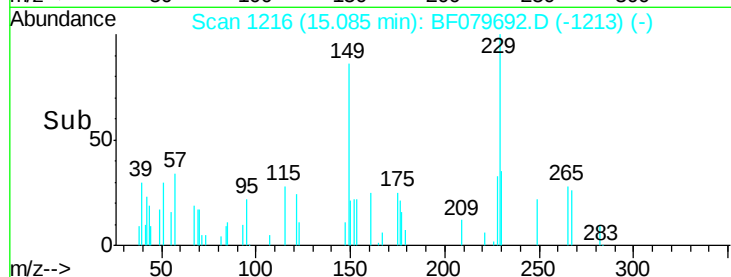
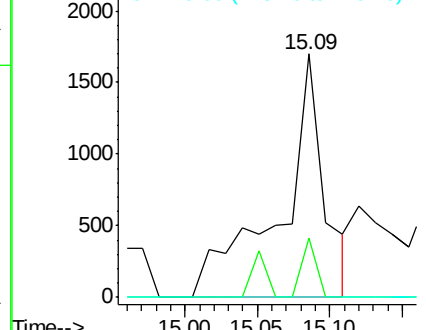
Tgt Ion:	149	Resp:	3602
Ion Ratio	Lower	Upper	
149	100		
167	24.4	21.6	32.4
279	0.0	3.1	4.7#



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: 2.80 ng

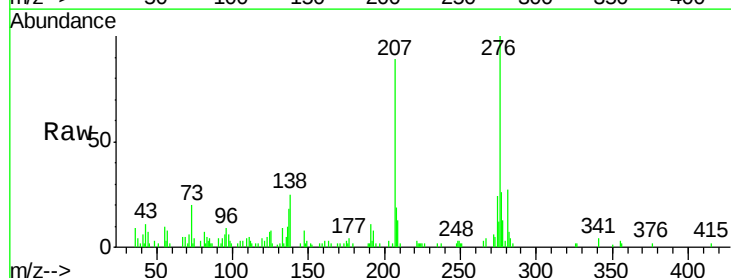
RT: 19.15 min Scan# 1572

Delta R.T. -0.39 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

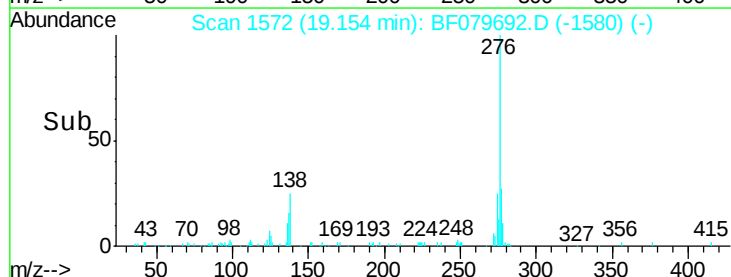
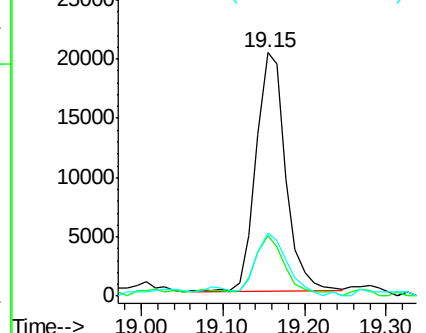
Tgt Ion:	276	Resp:	51223
Ion Ratio	Lower	Upper	
276	100		
138	26.8	21.9	32.9
277	28.5	20.2	30.4

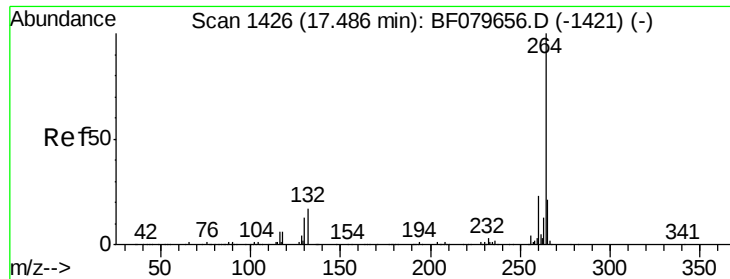


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

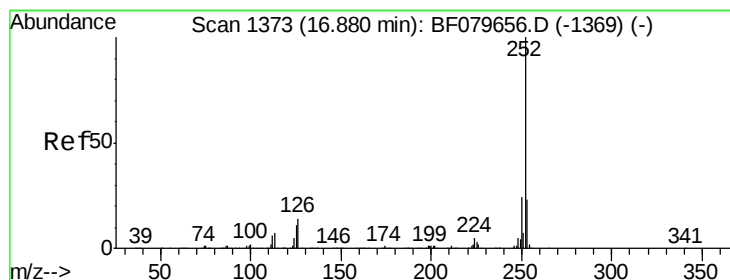
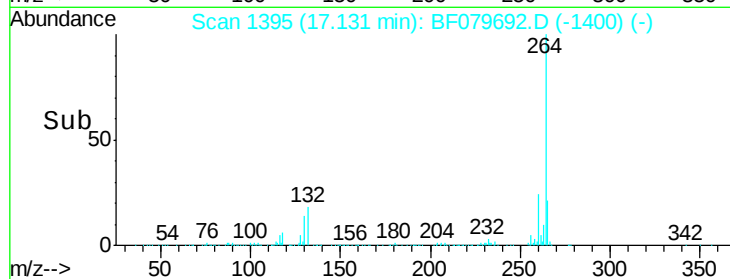
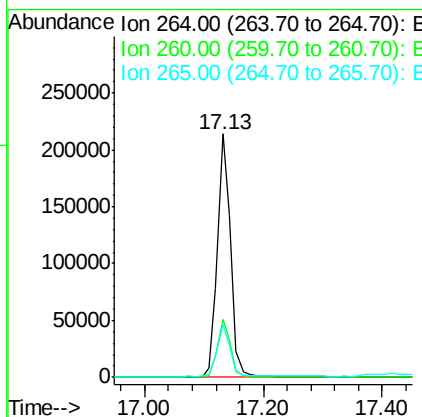
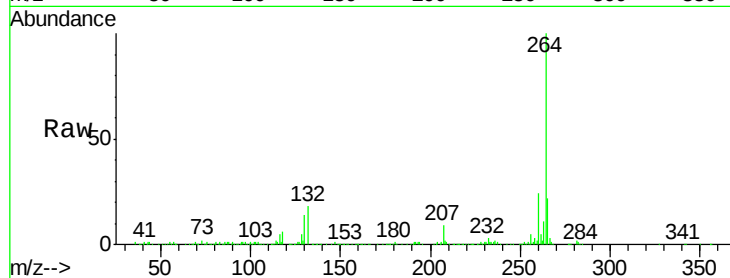




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.13 min Scan# 1395
Delta R.T. -0.35 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

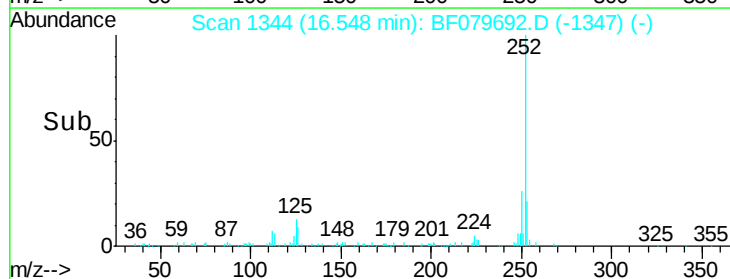
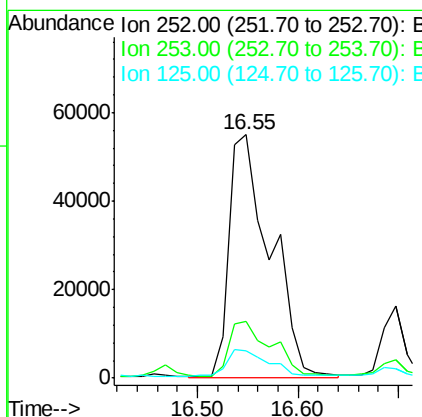
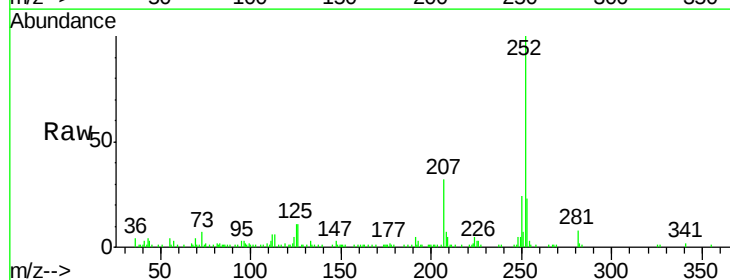
Instrument :
BNA_F
ClientSampleId :
PENRD8.4(5)

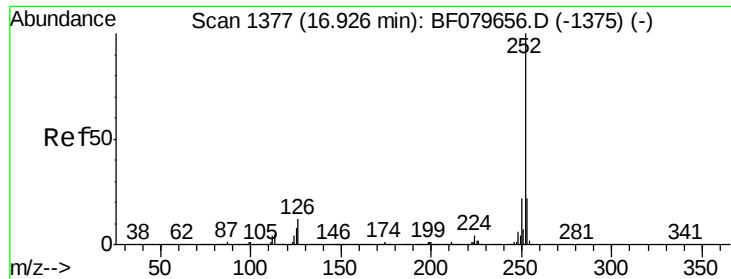
Tgt Ion:264 Resp: 329392
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 21.7 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 9.14 ng
RT: 16.55 min Scan# 1344
Delta R.T. -0.33 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Tgt Ion:252 Resp: 155656
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 11.4 8.7 13.1

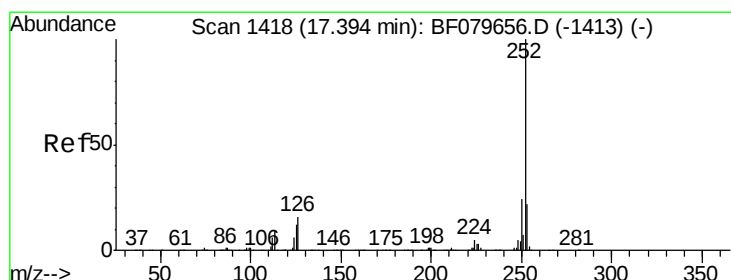
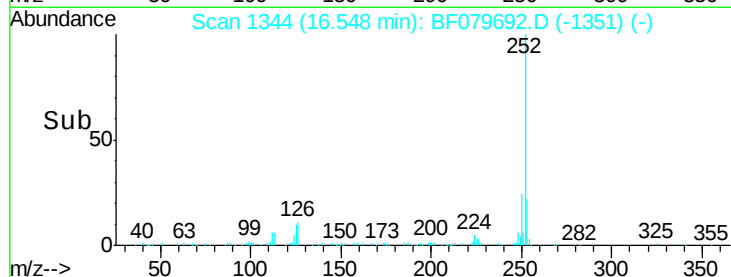
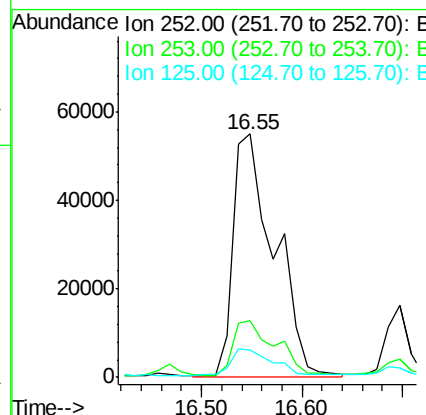
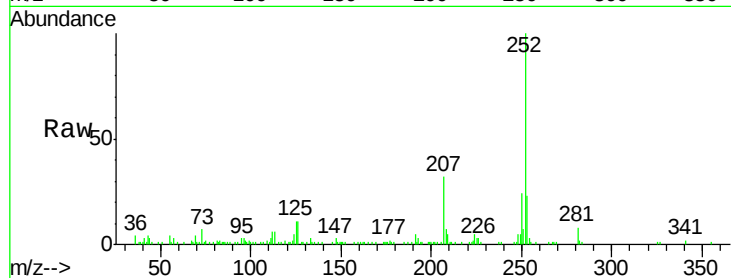




#88
Benzo(k)fluoranthene
Concen: 7.81 ng
RT: 16.55 min Scan# 1344
Delta R.T. -0.38 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

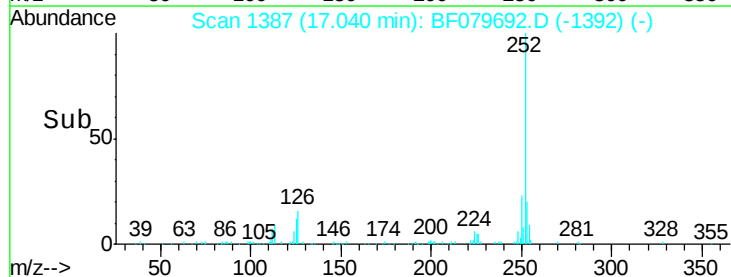
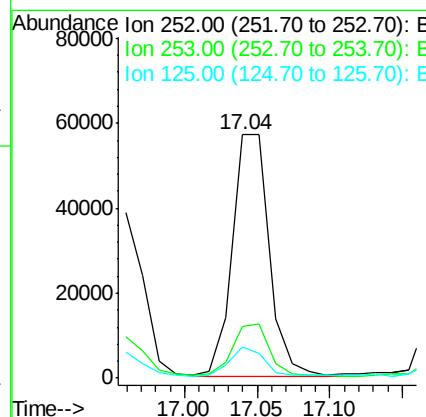
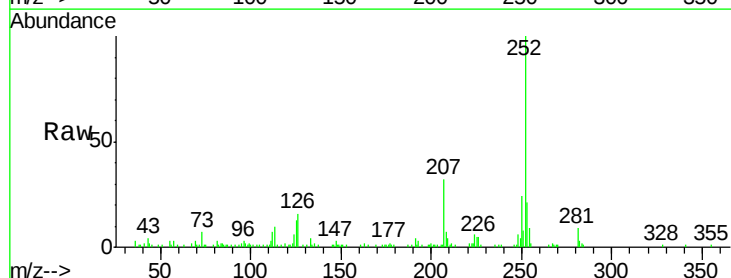
Instrument :
BNA_F
ClientSampleId :
PENRD8.4(5)

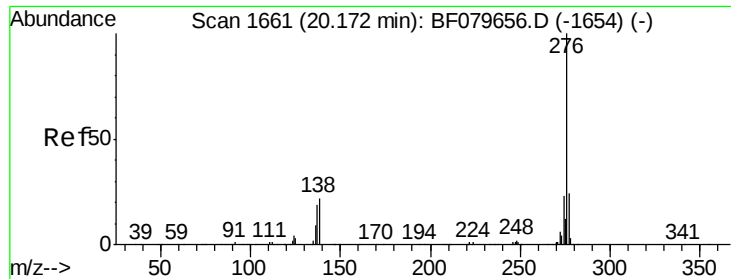
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	11.4	7.1	10.7#



#89
Benzo(a)pyrene
Concen: 6.10 ng
RT: 17.04 min Scan# 1387
Delta R.T. -0.35 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.9	26.9
125	13.0	9.4	14.0





#91

Benzo(g,h,i)perylene

Concen: 3.17 ng

RT: 19.77 min Scan# 1626

Delta R.T. -0.40 min

Lab File: BF079692.D

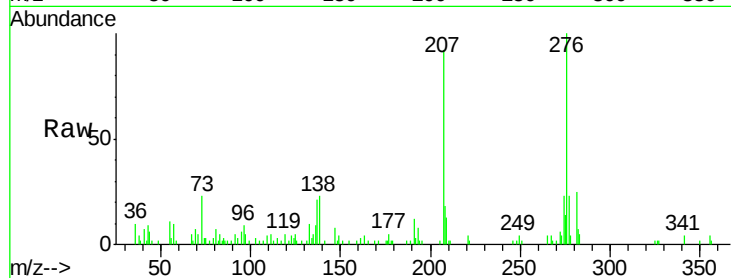
Acq: 4 Jun 2015 7:22

Instrument :

BNA_F

ClientSampleId :

PENRD8.4(5)



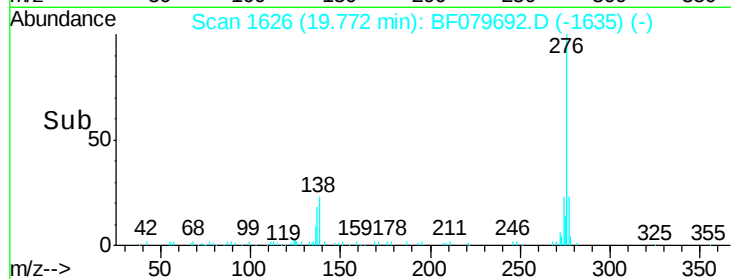
Tgt Ion: 276 Resp: 52383

Ion Ratio Lower Upper

276 100

277 23.5 19.1 28.7

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

