

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060315\
 Data File : BF079689.D
 Acq On : 4 Jun 2015 5:55
 Operator : TP/IZ
 Sample : G2420-24
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.12(5)

Quant Time: Jun 04 07:12:57 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 06:38:30 2015
 Response via : Initial Calibration

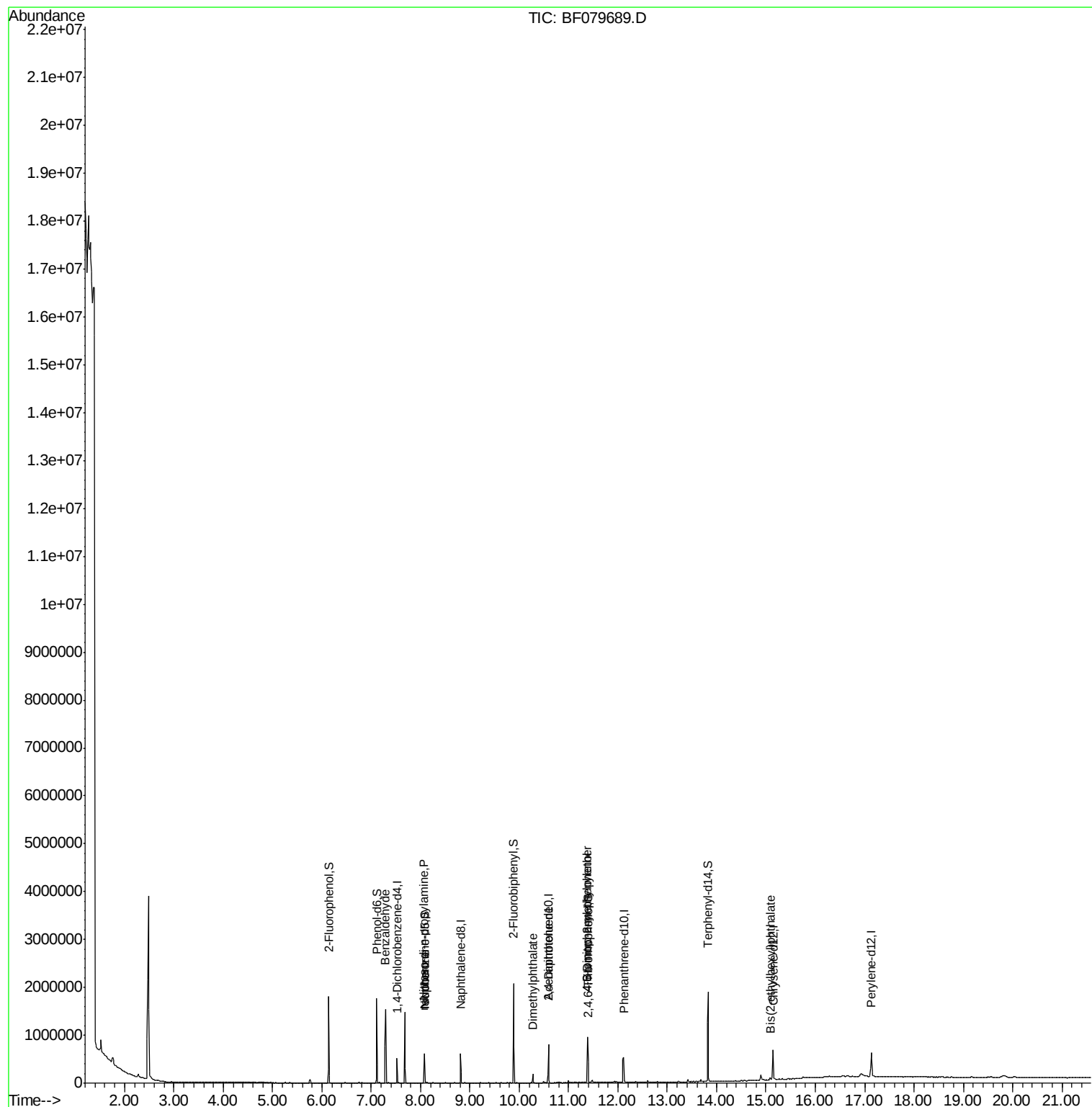
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	74868	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	284525	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	152210	20.00	ng	0.00
63) Phenanthrene-d10	12.11	188	285509	20.00	ng	0.01
75) Chrysene-d12	15.14	240	311261	20.00	ng	0.10
86) Perylene-d12	17.13	264	301600	20.00	ng	0.15
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	432754	104.79	ng	0.01
7) Phenol-d6	7.11	99	544568	100.78	ng	0.00
23) Nitrobenzene-d5	8.08	82	277083	58.85	ng	0.01
41) 2,4,6-Tribromophenol	11.39	330	117099	93.21	ng	0.01
44) 2-Fluorobiphenyl	9.88	172	680503	66.24	ng	0.00
78) Terphenyl-d14	13.83	244	789896	63.16	ng	0.06
Target Compounds						Qvalue
9) Benzaldehyde	7.29	77	10107	3.22	ng	91
19) n-Nitroso-di-n-propylamine	8.07	70	35830	9.66	ng	# 85
25) Isophorone	8.08	82	275758	28.44	ng	# 65
49) Dimethylphthalate	10.27	163	68713	6.16	ng	98
56) 2,4-Dinitrotoluene	10.59	165	19439	12.65	ng	# 31
64) 4,6-Dinitro-2-methylphenol	11.38	198	248	8.25	ng	# 1
66) 4-Bromophenyl-phenylether	11.38	248	8413	2.94	ng	# 1
83) Bis(2-ethylhexyl)phthalate	15.09	149	12615	4.37	ng	97

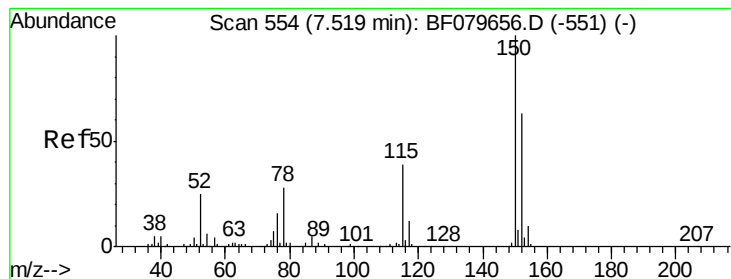
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 04 06:38:30 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF079689.D

Acq: 4 Jun 2015 5:55

Instrument :

BNA_F

ClientSampleId :

PENRD8.12(5)

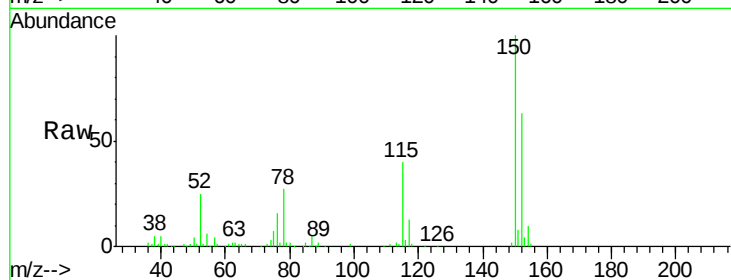
Tgt Ion:152 Resp: 74868

Ion Ratio Lower Upper

152 100

150 158.5 126.7 190.1

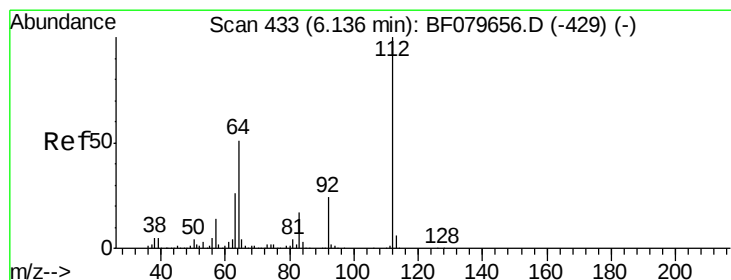
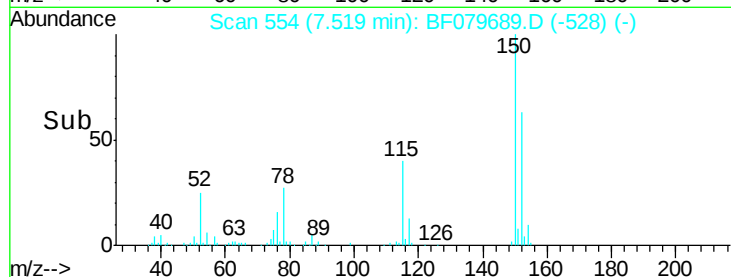
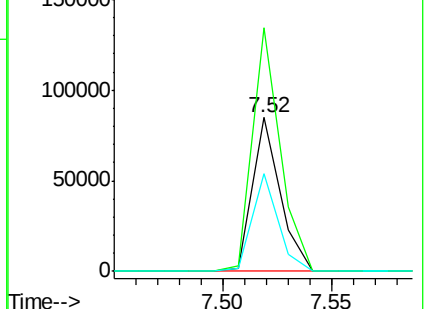
115 64.0 49.2 73.8



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: 104.79 ng

RT: 6.14 min Scan# 433

Delta R.T. 0.01 min

Lab File: BF079689.D

Acq: 4 Jun 2015 5:55

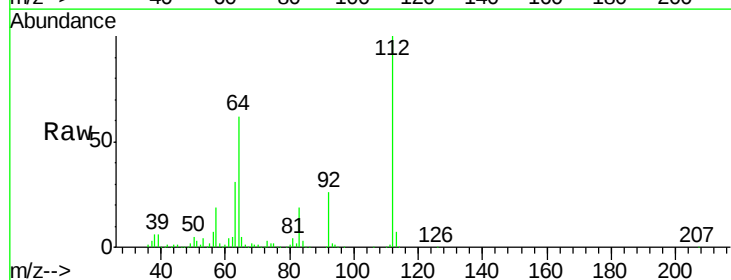
Tgt Ion:112 Resp: 432754

Ion Ratio Lower Upper

112 100

64 61.9 41.1 61.7#

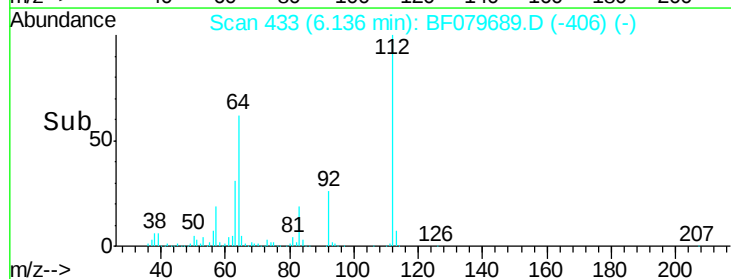
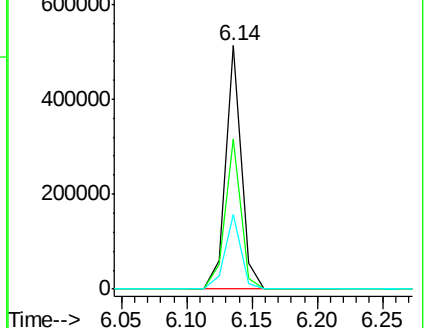
63 30.7 20.5 30.7#



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: 100.78 ng

RT: 7.11 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF079689.D

Acq: 4 Jun 2015 5:55

Instrument :

BNA_F

ClientSampleId :

PENRD8.12(5)

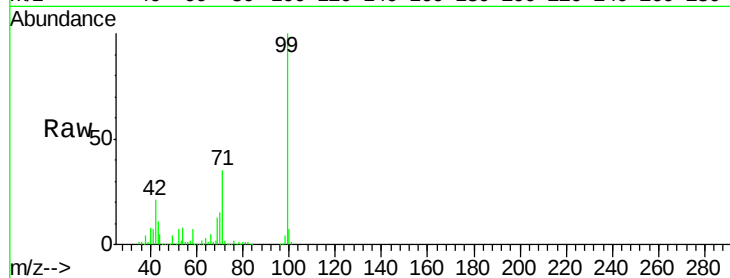
Tgt Ion: 99 Resp: 544568

Ion Ratio Lower Upper

99 100

42 21.1 15.2 22.8

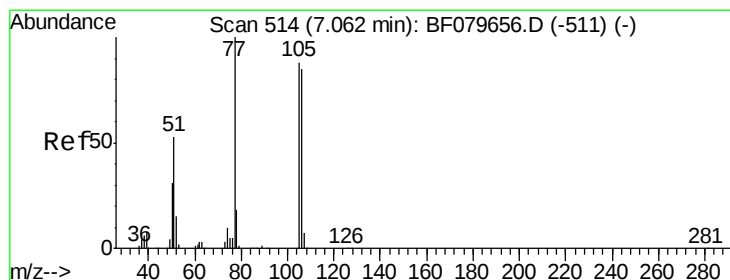
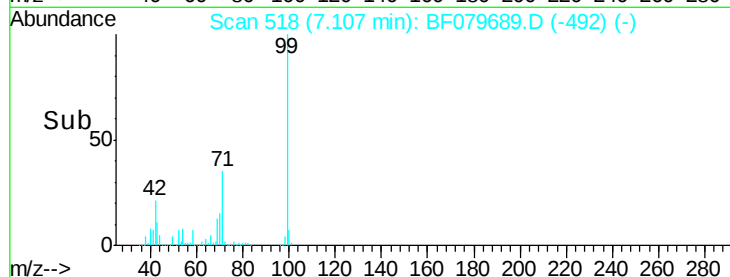
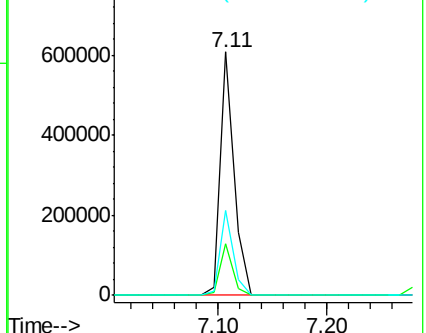
71 35.1 25.9 38.9



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: 3.22 ng

RT: 7.29 min Scan# 534

Delta R.T. 0.23 min

Lab File: BF079689.D

Acq: 4 Jun 2015 5:55

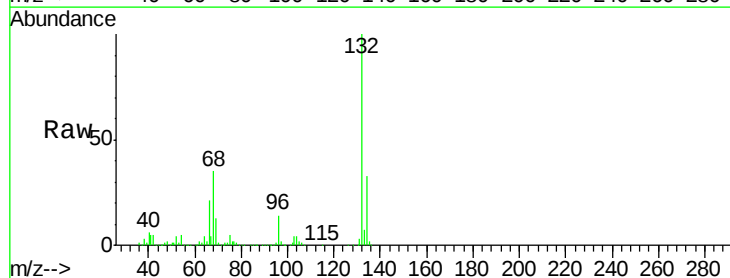
Tgt Ion: 77 Resp: 10107

Ion Ratio Lower Upper

77 100

105 91.4 68.2 108.2

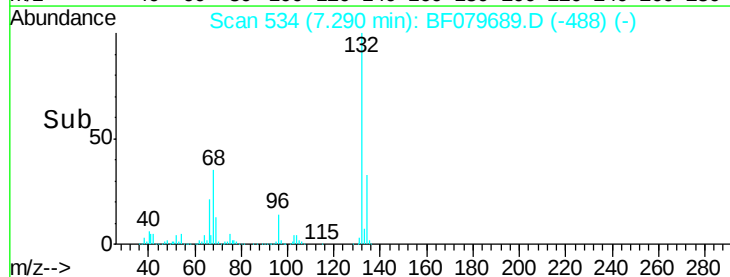
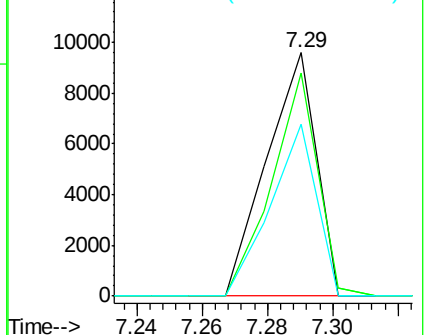
106 70.8 64.9 104.9

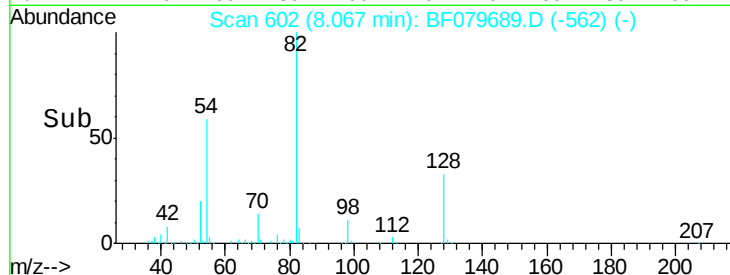
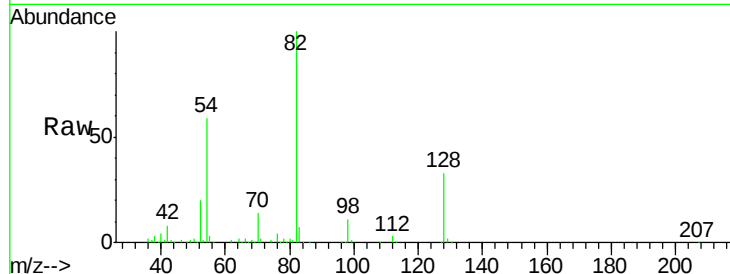
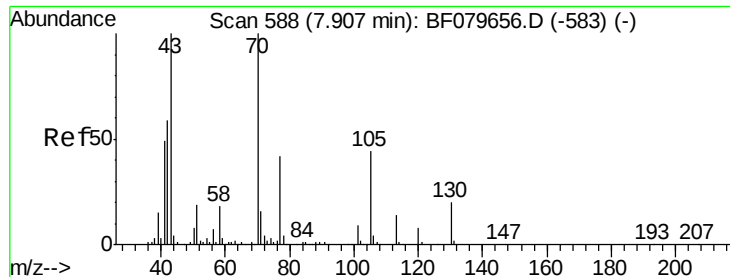


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

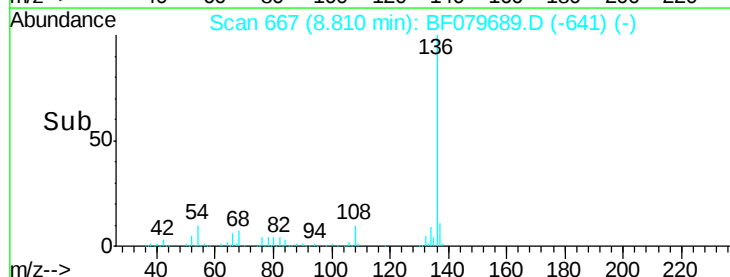
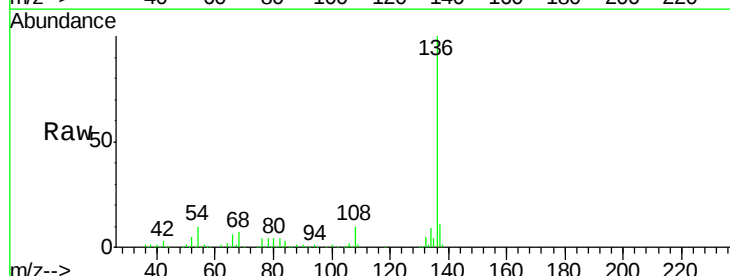
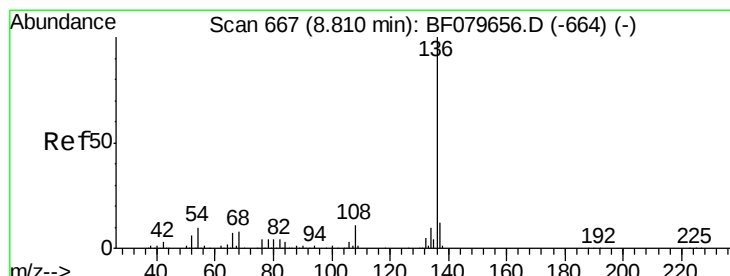
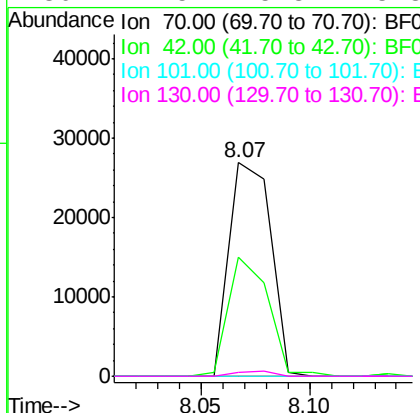




#19
n-Nitroso-di-n-propylamine
Concen: 9.66 ng
RT: 8.07 min Scan# 602
Delta R.T. 0.16 min
Lab File: BF079689.D
Acq: 4 Jun 2015 5:55

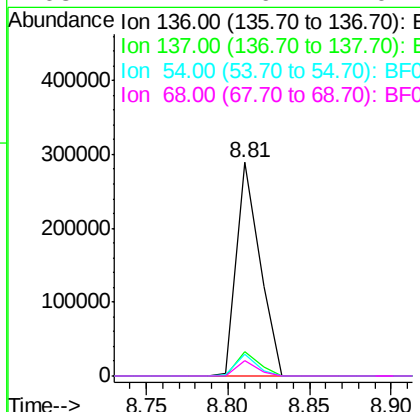
Instrument :
BNA_F
ClientSampleId :
PENRD8.12(5)

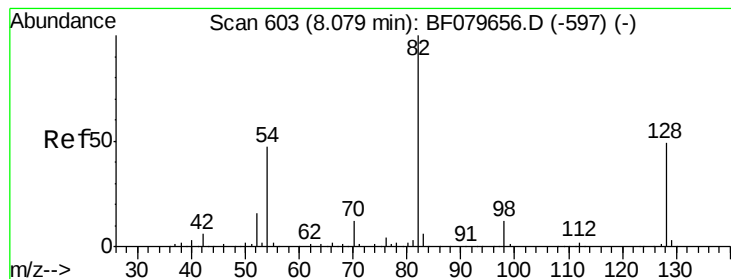
Tgt Ion: 70 Resp: 35830
Ion Ratio Lower Upper
70 100
42 56.0 47.7 71.5
101 0.0 7.4 11.0#
130 1.5 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.81 min Scan# 667
Delta R.T. -0.00 min
Lab File: BF079689.D
Acq: 4 Jun 2015 5:55

Tgt Ion: 136 Resp: 284525
Ion Ratio Lower Upper
136 100
137 11.3 9.3 13.9
54 10.2 8.3 12.5
68 7.2 6.1 9.1





#23

Nitrobenzene-d5

Concen: 58.85 ng

RT: 8.08 min Scan# 603

Delta R.T. 0.01 min

Lab File: BF079689.D

Acq: 4 Jun 2015 5:55

Instrument :

BNA_F

ClientSampleId :

PENRD8.12(5)

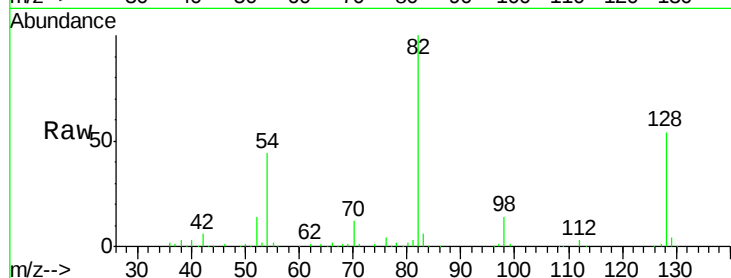
Tgt Ion: 82 Resp: 277083

Ion Ratio Lower Upper

82 100

128 54.1 39.4 59.0

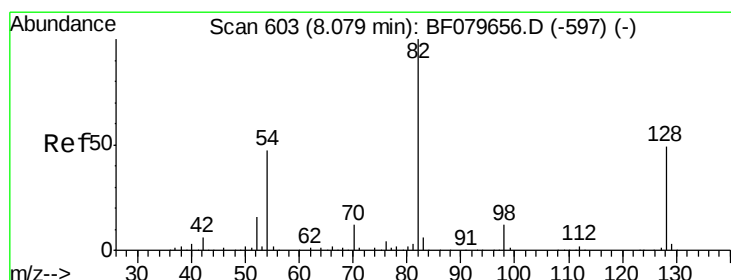
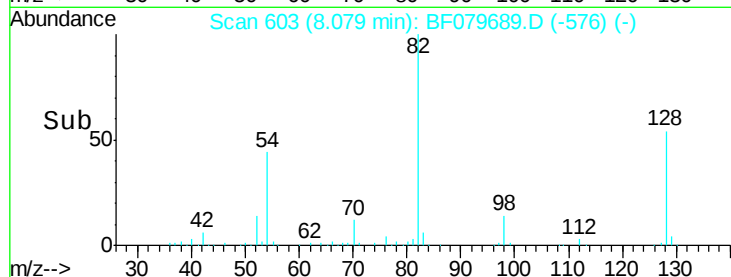
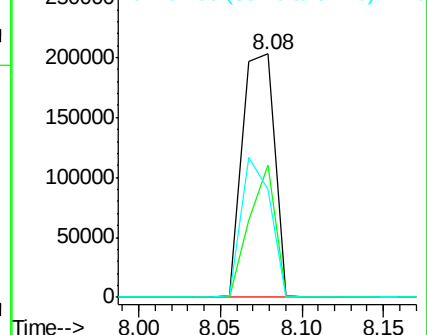
54 44.5 37.4 56.0



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: 28.44 ng

RT: 8.08 min Scan# 603

Delta R.T. -0.25 min

Lab File: BF079689.D

Acq: 4 Jun 2015 5:55

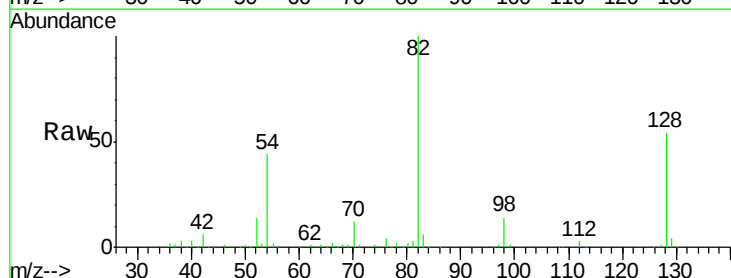
Tgt Ion: 82 Resp: 275758

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

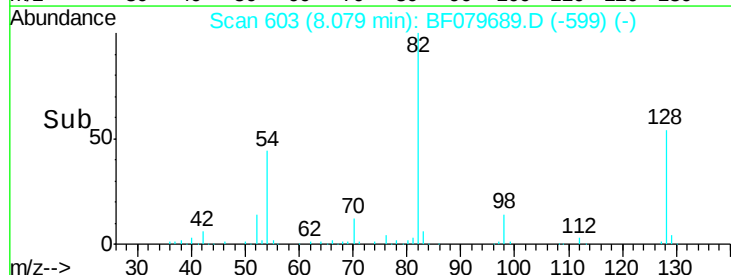
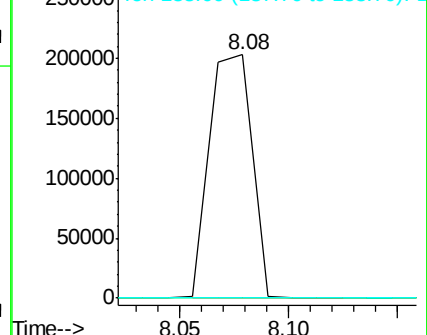
138 0.0 14.4 21.6#

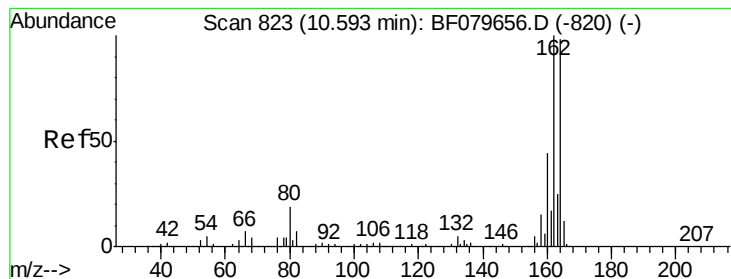


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF079689.D

Acq: 4 Jun 2015 5:55

Instrument :

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ClientSampleId :

PENRD8.12(5)

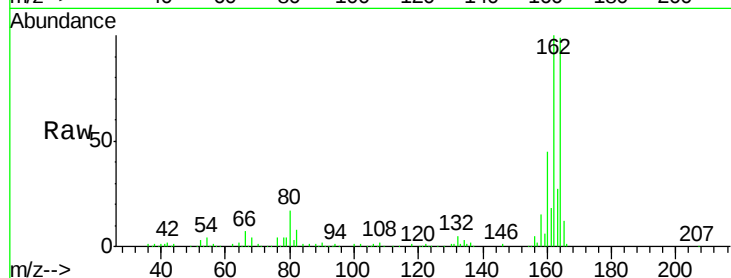
Tgt Ion:164 Resp: 152210

Ion Ratio Lower Upper

164 100

162 100.6 82.0 123.0

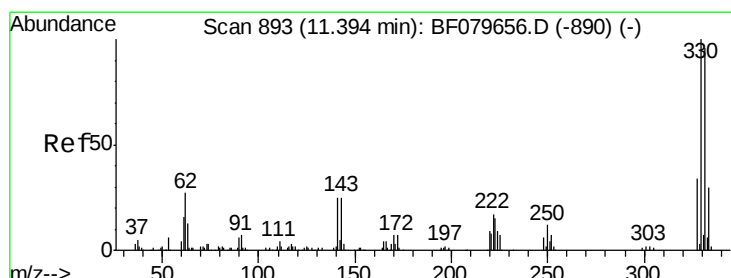
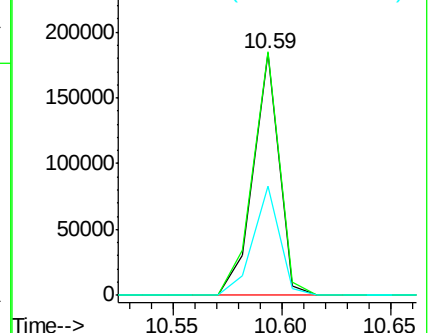
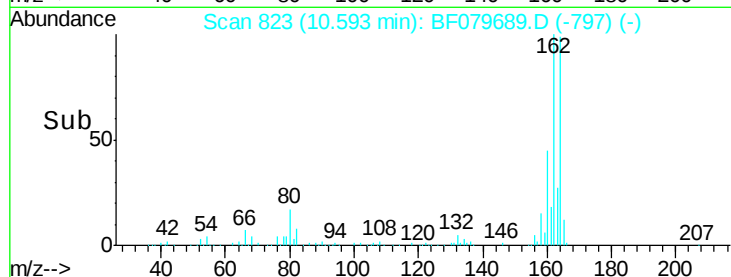
160 45.3 35.9 53.9



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: 93.21 ng

RT: 11.39 min Scan# 893

Delta R.T. 0.01 min

Lab File: BF079689.D

Acq: 4 Jun 2015 5:55

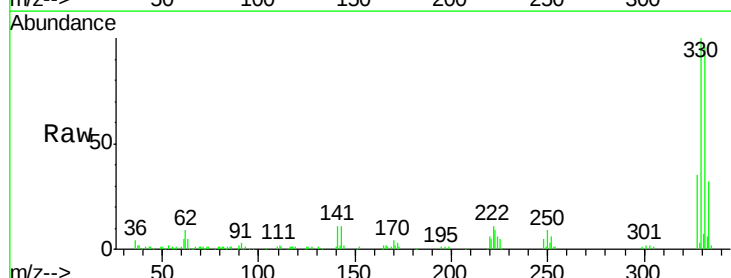
Tgt Ion:330 Resp: 117099

Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

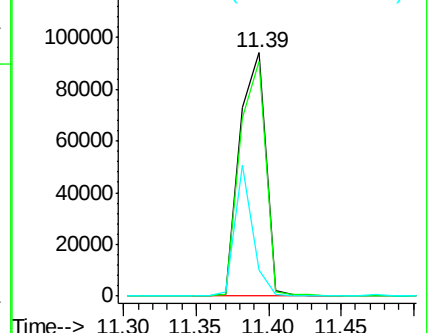
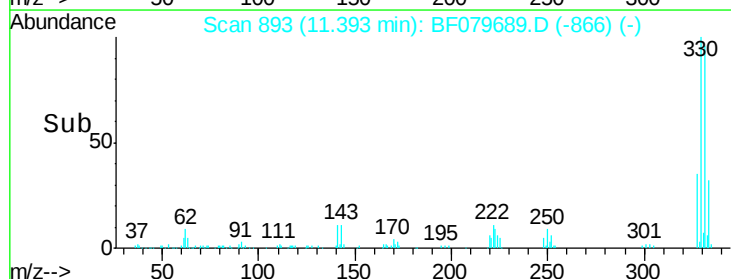
141 37.0 27.4 41.2

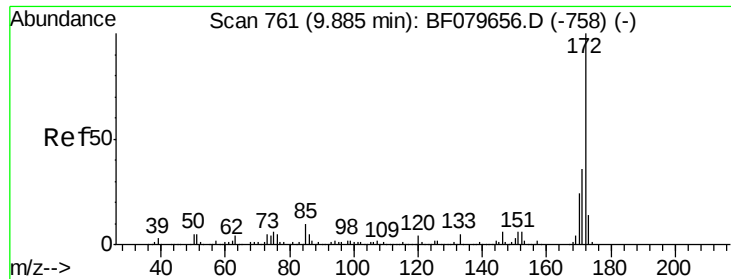


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

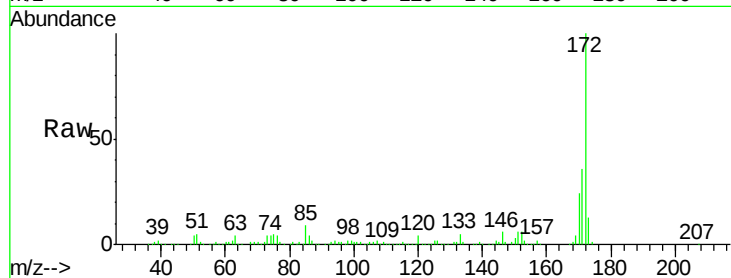




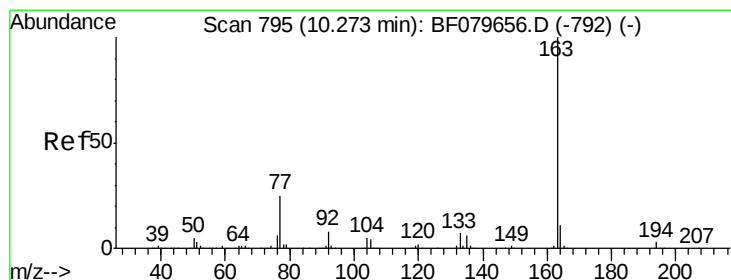
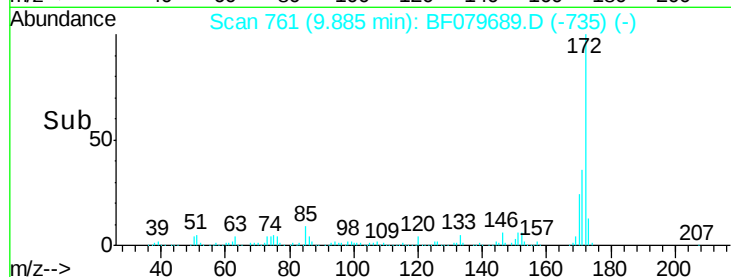
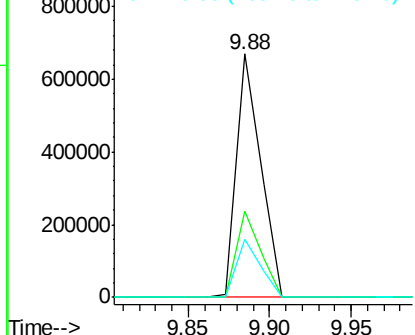
#44
2-Fluorobiphenyl
Concen: 66.24 ng
RT: 9.88 min Scan# 761
Delta R.T. -0.00 min
Lab File: BF079689.D
Acq: 4 Jun 2015 5:55

Instrument :
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PENRD8.12(5)

Tgt Ion:172 Resp: 680503
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 24.0 19.2 28.8

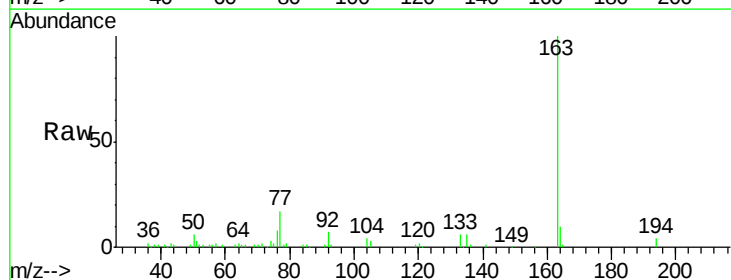


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

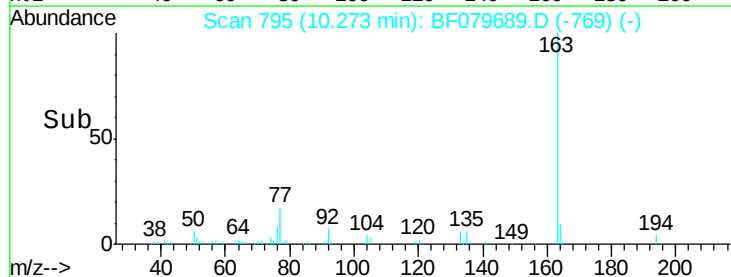
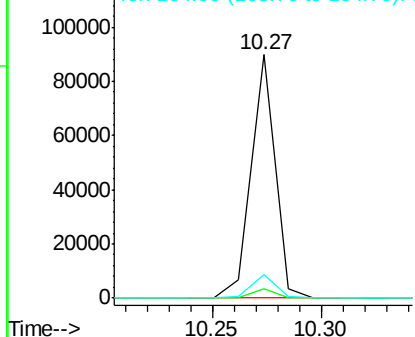


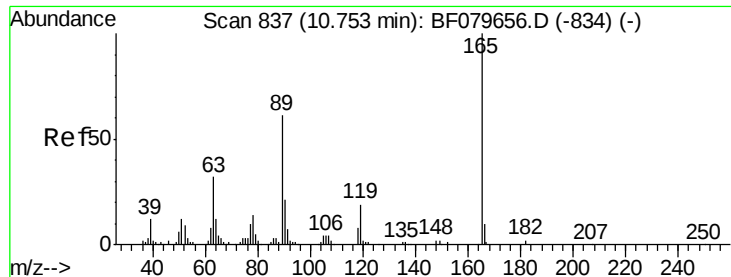
#49
Dimethylphthalate
Concen: 6.16 ng
RT: 10.27 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF079689.D
Acq: 4 Jun 2015 5:55

Tgt Ion:163 Resp: 68713
Ion Ratio Lower Upper
163 100
194 3.7 2.6 3.8
164 9.9 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: 12.65 ng

RT: 10.59 min Scan# 823

Delta R.T. -0.16 min

Lab File: BF079689.D

Acq: 4 Jun 2015 5:55

Instrument :

BNA_F

ClientSampleId :

PENRD8.12(5)

Tgt Ion:165 Resp: 19439

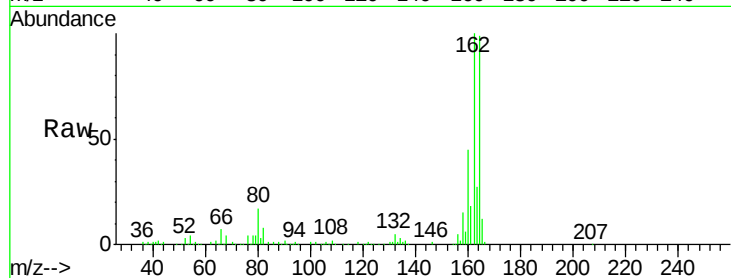
Ion Ratio Lower Upper

165 100

63 0.0 25.5 38.3#

89 1.5 48.5 72.7#

182 0.0 1.9 2.9#

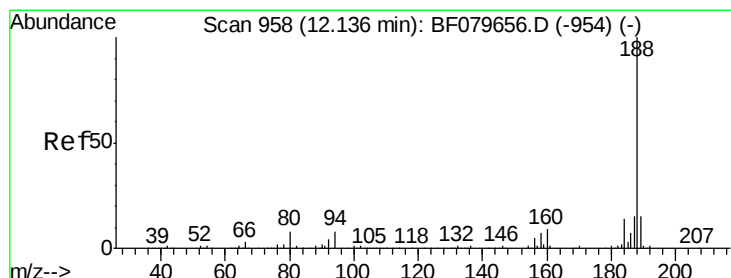
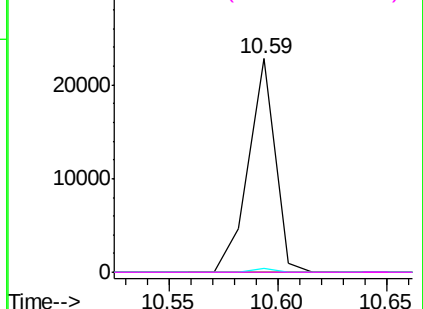
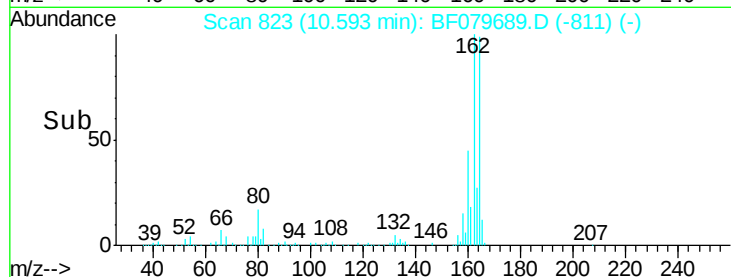


Abundance Ion 165.00 (164.70 to 165.70): E

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. 0.01 min

Lab File: BF079689.D

Acq: 4 Jun 2015 5:55

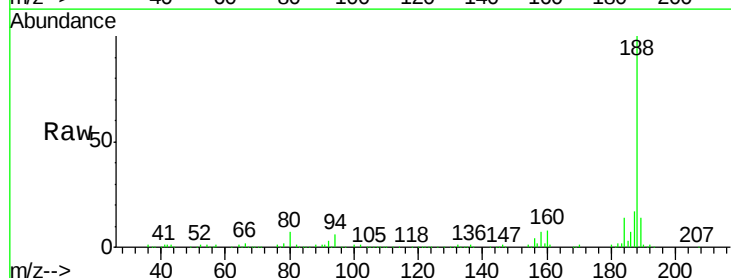
Tgt Ion:188 Resp: 285509

Ion Ratio Lower Upper

188 100

94 6.2 6.1 9.1

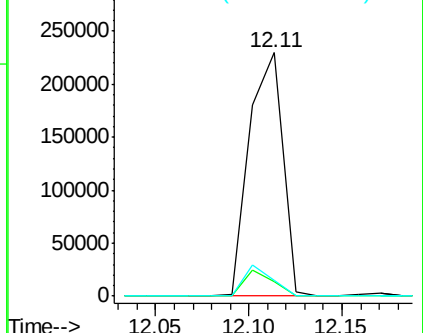
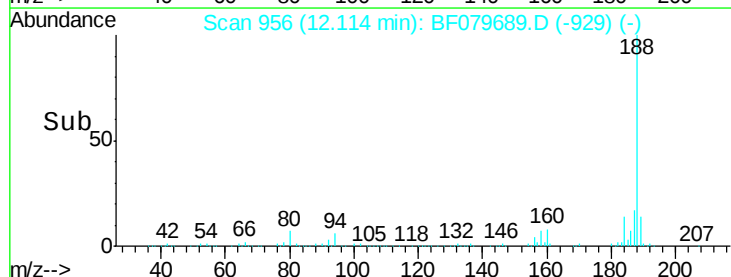
80 6.7 6.2 9.2

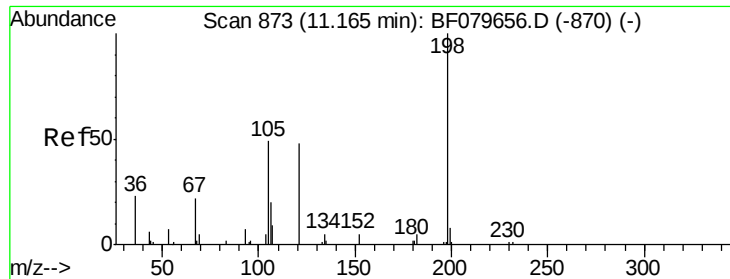


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

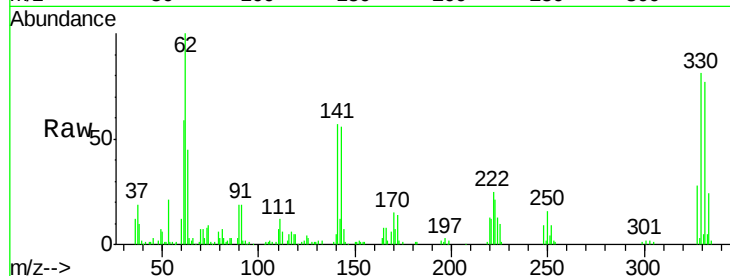




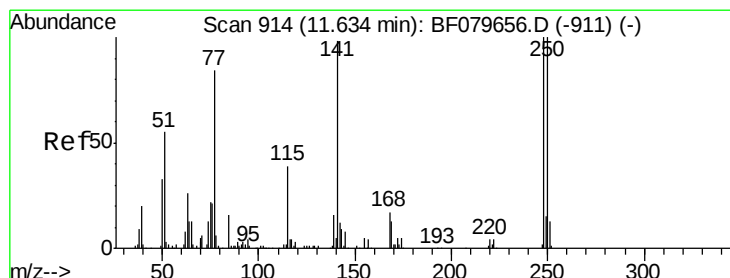
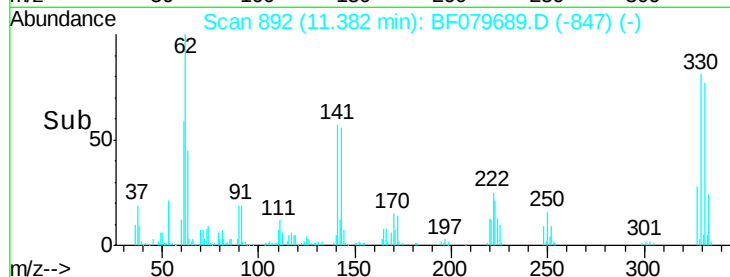
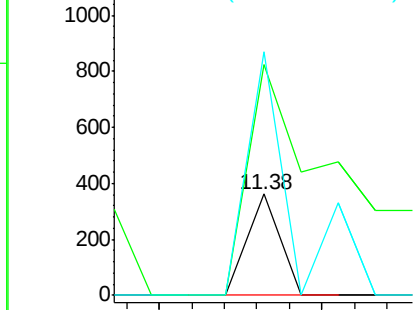
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.25 ng
 RT: 11.38 min Scan# 892
 Delta R.T. 0.22 min
 Lab File: BF079689.D
 Acq: 4 Jun 2015 5:55

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.12(5)

Tgt Ion:198 Resp: 248
 Ion Ratio Lower Upper
 198 100
 51 228.8 46.1 86.1#
 105 241.0 34.6 74.6#

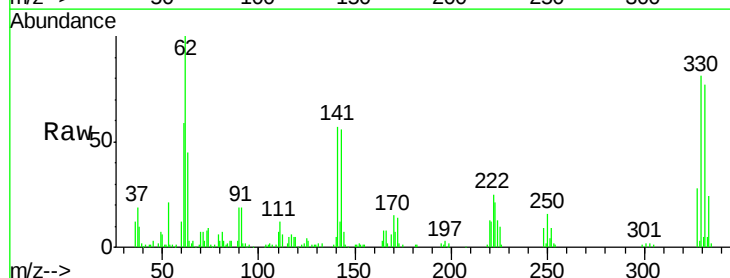


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

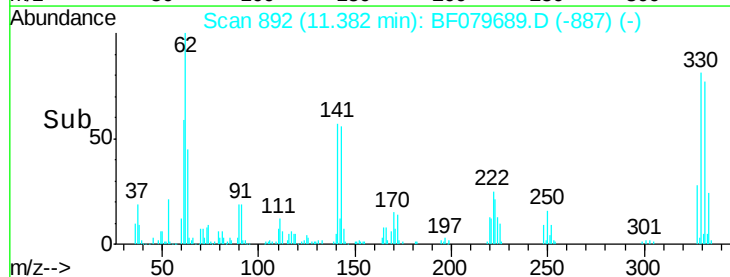
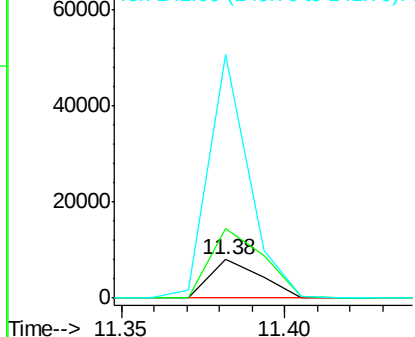


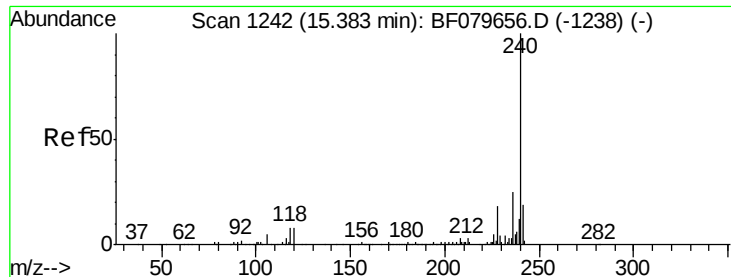
#66
 4-Bromophenyl-phenylether
 Concen: 2.94 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.24 min
 Lab File: BF079689.D
 Acq: 4 Jun 2015 5:55

Tgt Ion:248 Resp: 8413
 Ion Ratio Lower Upper
 248 100
 250 182.0 80.0 120.0#
 141 632.4 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.14 min Scan# 1221

Delta R.T. 0.10 min

Lab File: BF079689.D

Acq: 4 Jun 2015 5:55

Instrument :

BNA_F

ClientSampleId :

PENRD8.12(5)

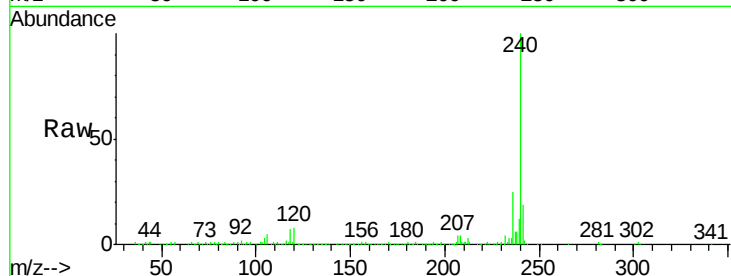
Tgt Ion:240 Resp: 311261

Ion Ratio Lower Upper

240 100

120 7.7 6.4 9.6

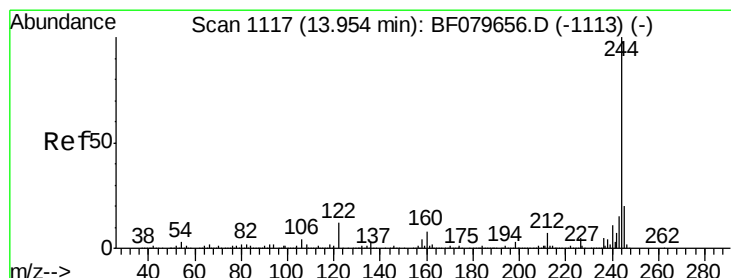
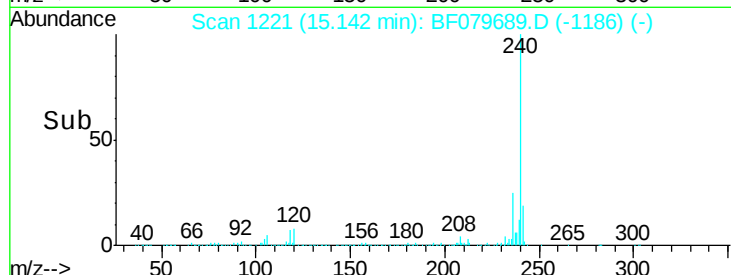
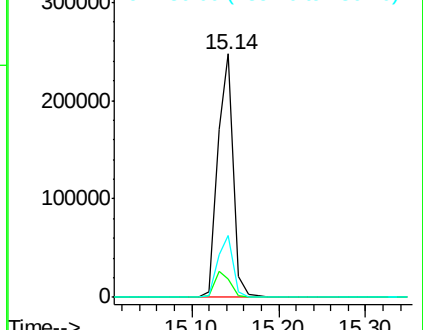
236 25.3 20.2 30.4



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: 63.16 ng

RT: 13.83 min Scan# 1106

Delta R.T. 0.06 min

Lab File: BF079689.D

Acq: 4 Jun 2015 5:55

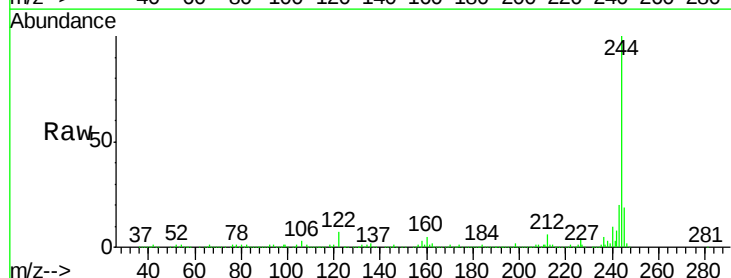
Tgt Ion:244 Resp: 789896

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

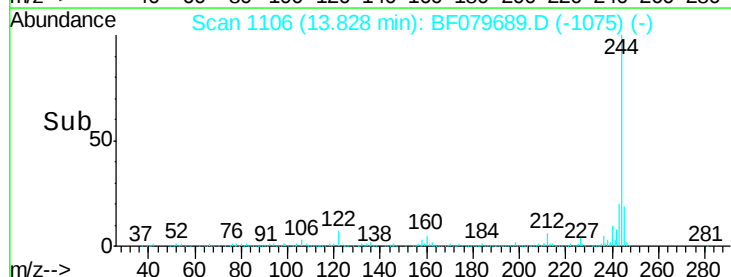
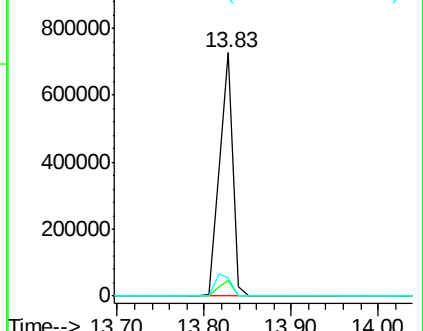
122 7.4 9.8 14.6#

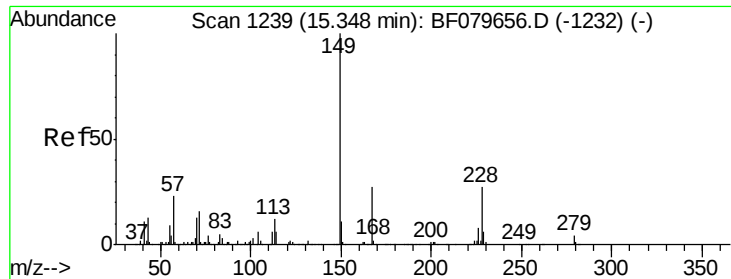


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

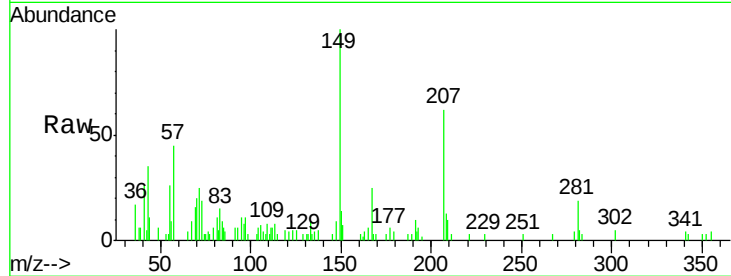




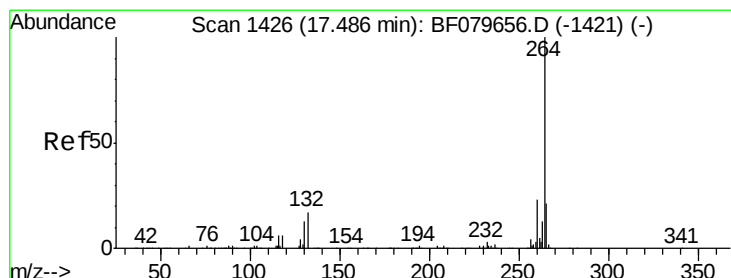
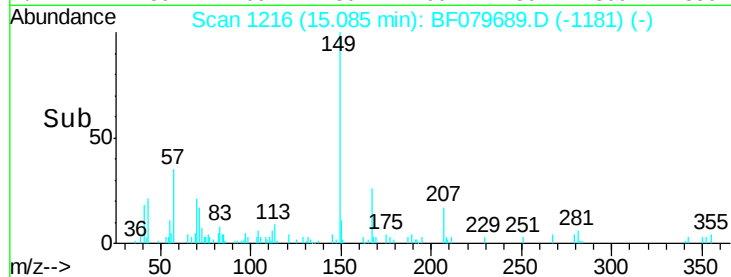
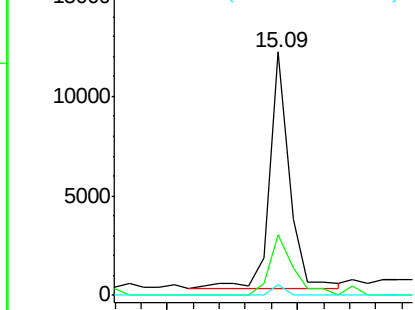
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.37 ng
RT: 15.09 min Scan# 1216
Delta R.T. 0.10 min
Lab File: BF079689.D
Acq: 4 Jun 2015 5:55

Instrument :
BNA_F
ClientSampleId :
PENRD8.12(5)

Tgt Ion:149 Resp: 12615
Ion Ratio Lower Upper
149 100
167 25.0 21.6 32.4
279 4.2 3.1 4.7

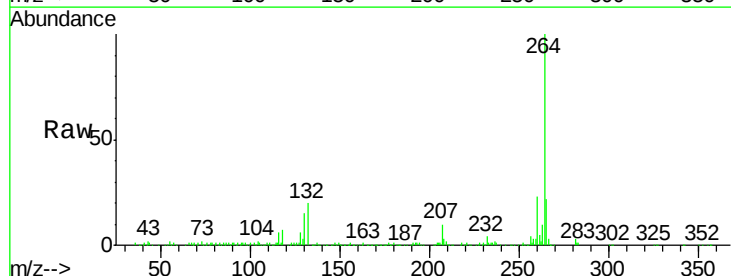


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.13 min Scan# 1395
Delta R.T. 0.15 min
Lab File: BF079689.D
Acq: 4 Jun 2015 5:55

Tgt Ion:264 Resp: 301600
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 22.3 17.4 26.0



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

