

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060315\
 Data File : BF079691.D
 Acq On : 4 Jun 2015 6:53
 Operator : TP/IZ
 Sample : G2420-10
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.5(5)

Quant Time: Jun 04 07:39:02 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

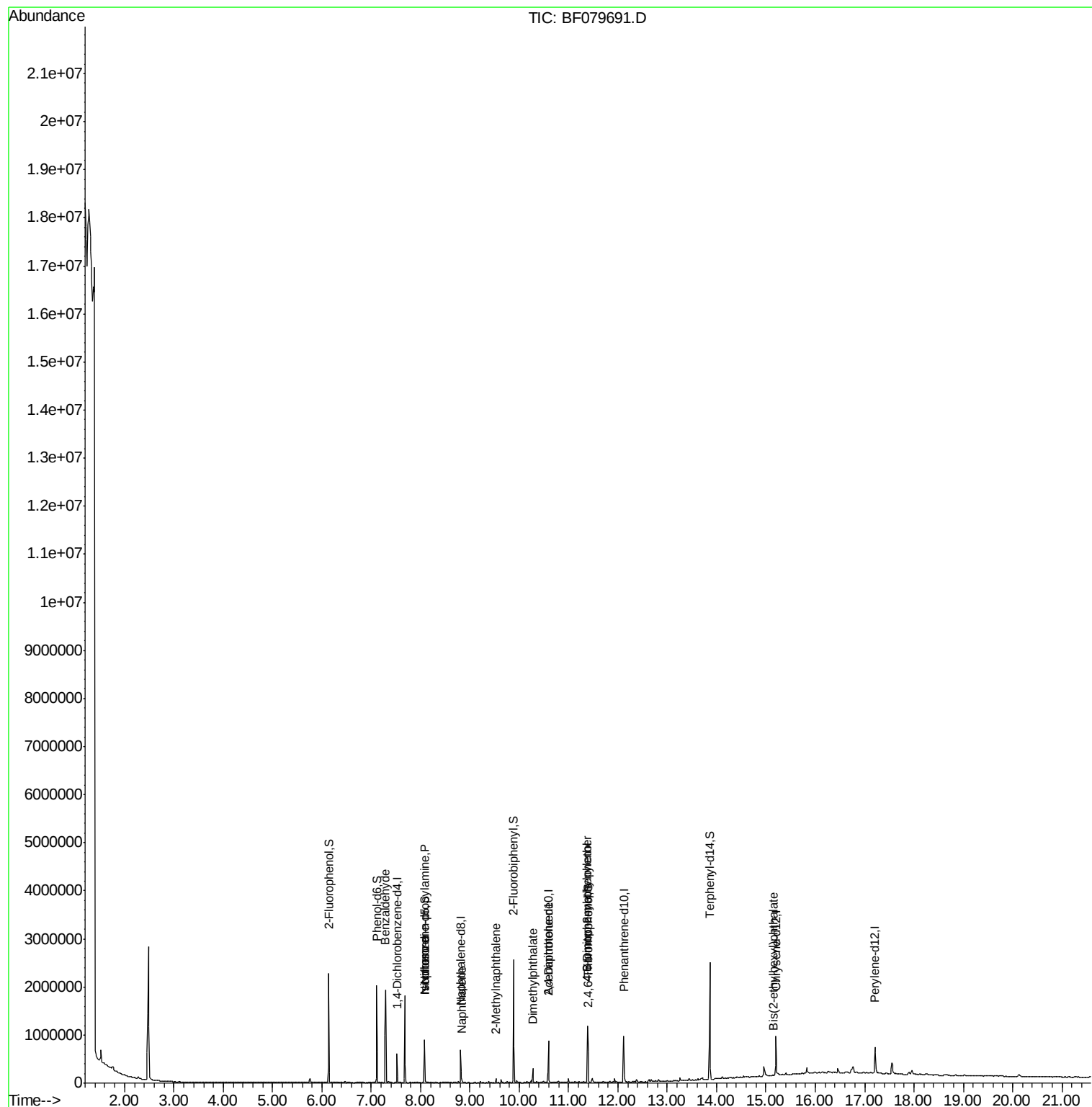
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	83358	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	313986	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	167992	20.00	ng	0.00
63) Phenanthrene-d10	12.11	188	326490	20.00	ng	-0.02
75) Chrysene-d12	15.20	240	339450	20.00	ng	-0.18
86) Perylene-d12	17.21	264	333307	20.00	ng	-0.27
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	532725	115.79	ng	0.00
7) Phenol-d6	7.11	99	677698	112.88	ng	0.00
23) Nitrobenzene-d5	8.08	82	368022	69.85	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	151398	109.20	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	793014	70.34	ng	0.00
78) Terphenyl-d14	13.86	244	825575	60.32	ng	-0.09
Target Compounds						Qvalue
9) Benzaldehyde	7.29	77	12927	3.69	ng	92
19) n-Nitroso-di-n-propylamine	8.08	70	48551	11.75	ng	# 76
25) Isophorone	8.08	82	366525	34.25	ng	# 65
31) Naphthalene	8.83	128	43551	2.65	ng	97
37) 2-Methylnaphthalene	9.53	142	23180	2.12	ng	97
49) Dimethylphthalate	10.27	163	97456	7.92	ng	98
56) 2,4-Dinitrotoluene	10.59	165	23153	13.41	ng	# 33
64) 4,6-Dinitro-2-methylphenol	11.38	198	372	8.33	ng	# 1
66) 4-Bromophenyl-phenylether	11.38	248	10049	3.07	ng	# 1
83) Bis(2-ethylhexyl)phthalate	15.15	149	3246	3.49	ng	# 88

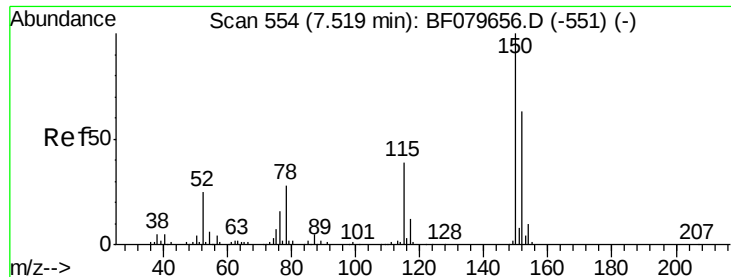
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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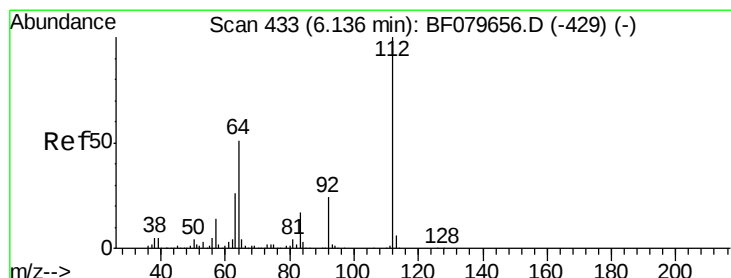
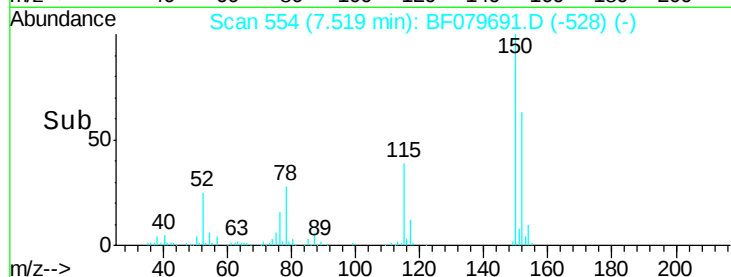
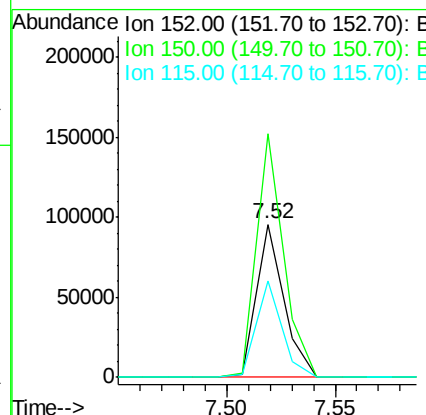
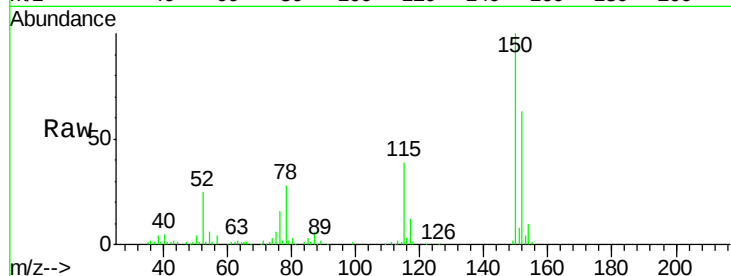


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF079691.D
Acq: 4 Jun 2015 6:53

Instrument :
BNA_F
ClientSampleId :
PENRD8.5(5)

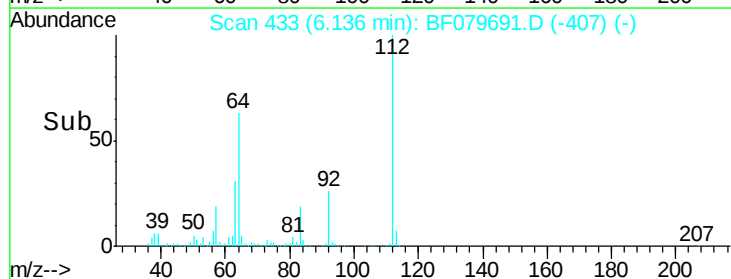
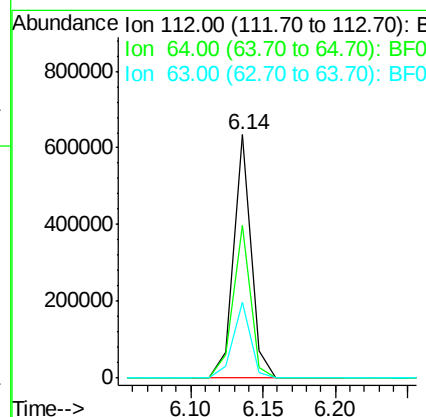
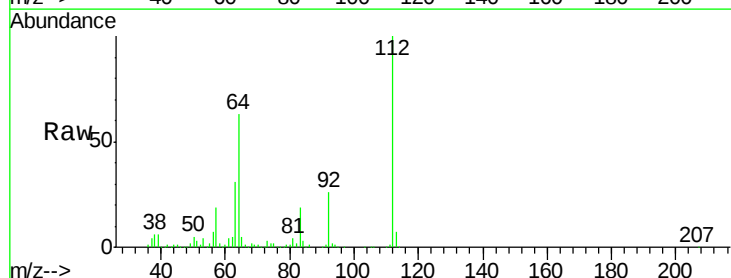
Tgt Ion:152 Resp: 83358
Ion Ratio Lower Upper
152 100
150 158.9 126.7 190.1
115 62.5 49.2 73.8

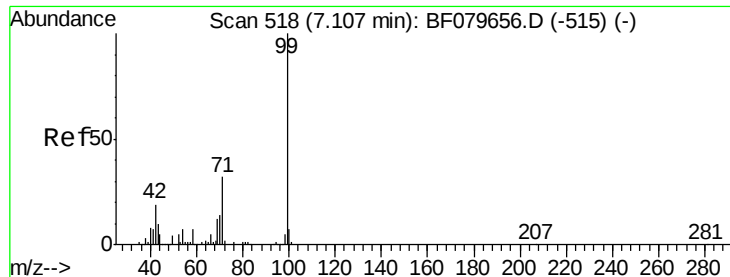


#5

2-Fluorophenol
Concen: 115.79 ng
RT: 6.14 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF079691.D
Acq: 4 Jun 2015 6:53

Tgt Ion:112 Resp: 532725
Ion Ratio Lower Upper
112 100
64 62.9 41.1 61.7#
63 31.4 20.5 30.7#





#7

Phenol-d6

Concen: 112.88 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079691.D

Acq: 4 Jun 2015 6:53

Instrument :

BNA_F

ClientSampleId :

PENRD8.5(5)

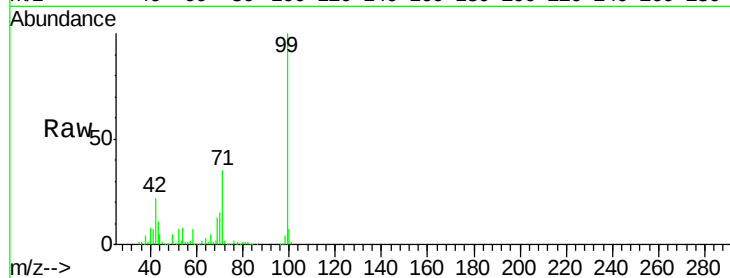
Tgt Ion: 99 Resp: 677698

Ion Ratio Lower Upper

99 100

42 21.7 15.2 22.8

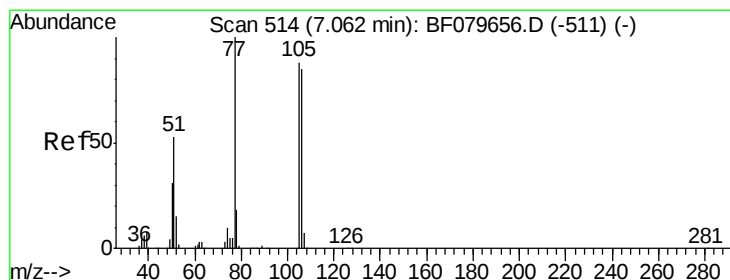
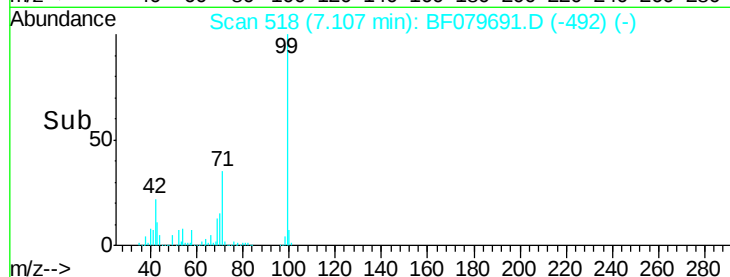
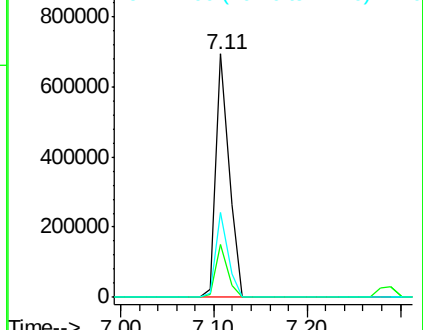
71 34.9 25.9 38.9



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: 3.69 ng

RT: 7.29 min Scan# 534

Delta R.T. 0.23 min

Lab File: BF079691.D

Acq: 4 Jun 2015 6:53

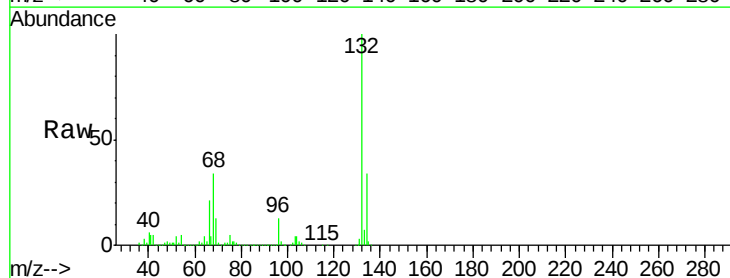
Tgt Ion: 77 Resp: 12927

Ion Ratio Lower Upper

77 100

105 84.4 68.2 108.2

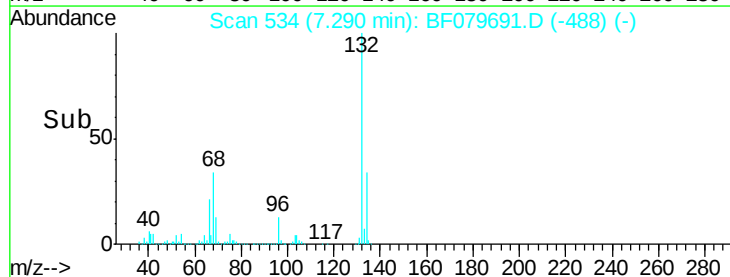
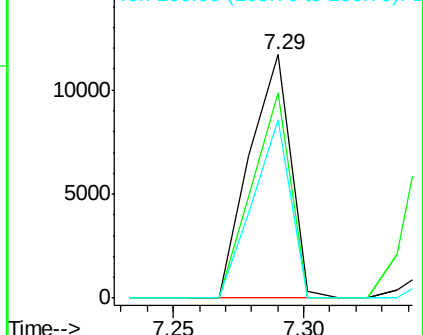
106 73.3 64.9 104.9

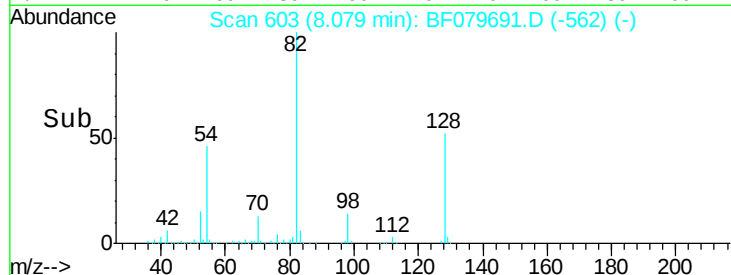
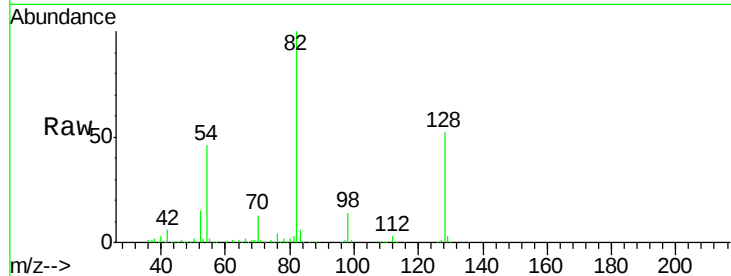
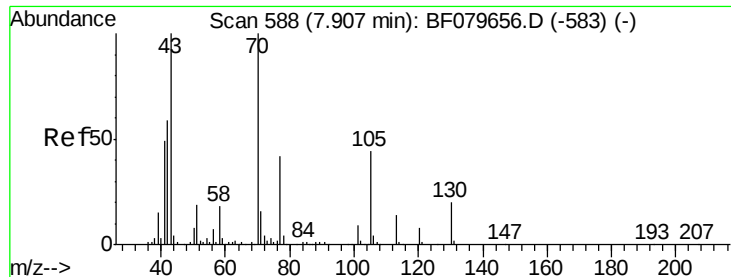


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

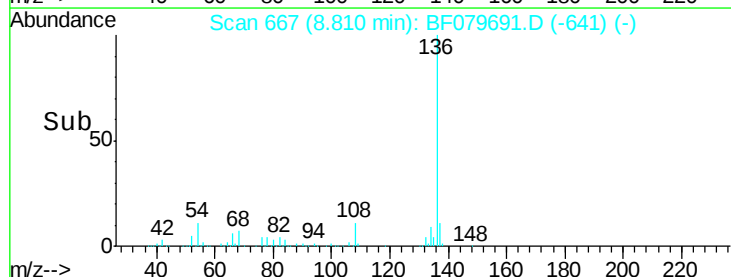
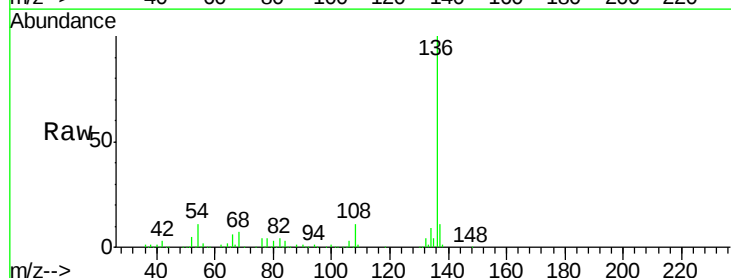
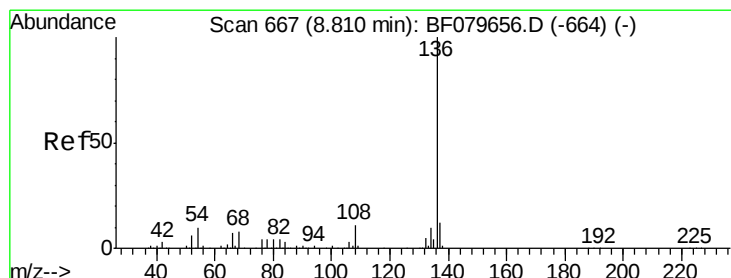
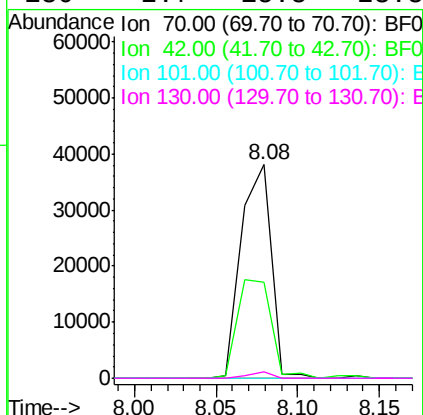




#19
n-Nitroso-di-n-propylamine
Concen: 11.75 ng
RT: 8.08 min Scan# 603
Delta R.T. 0.17 min
Lab File: BF079691.D
Acq: 4 Jun 2015 6:53

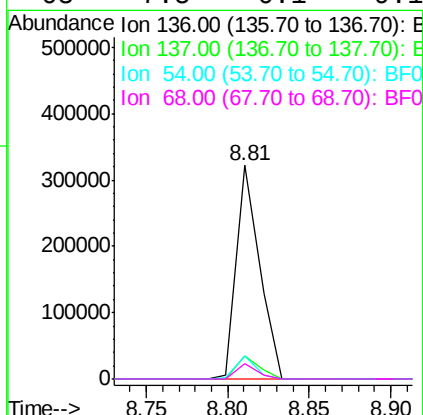
Instrument :
BNA_F
ClientSampleId :
PENRD8.5(5)

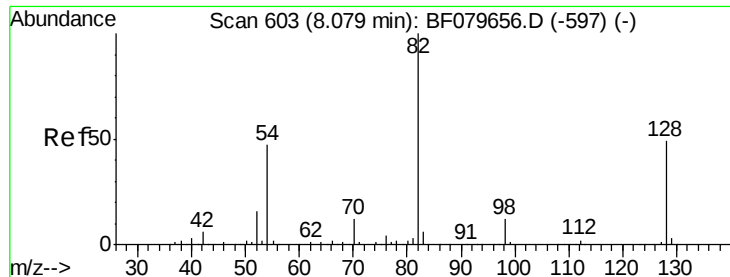
Tgt Ion: 70 Resp: 48551
Ion Ratio Lower Upper
70 100
42 44.8 47.7 71.5#
101 0.0 7.4 11.0#
130 2.7 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.81 min Scan# 667
Delta R.T. -0.00 min
Lab File: BF079691.D
Acq: 4 Jun 2015 6:53

Tgt Ion: 136 Resp: 313986
Ion Ratio Lower Upper
136 100
137 10.8 9.3 13.9
54 10.5 8.3 12.5
68 7.5 6.1 9.1

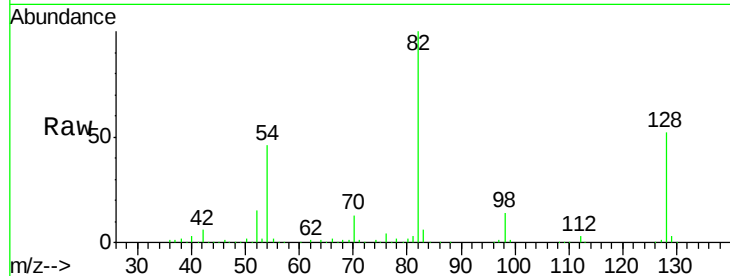




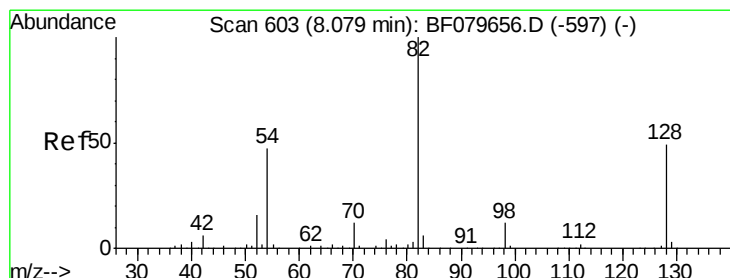
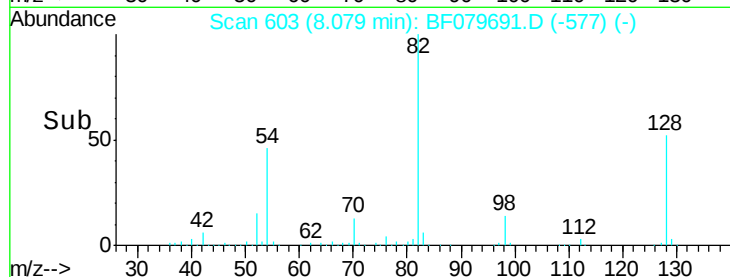
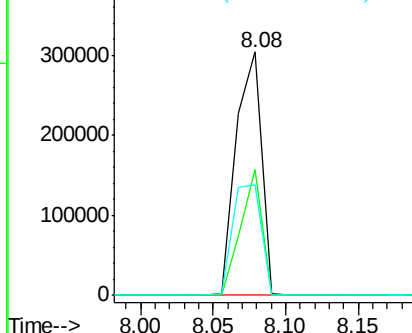
#23
 Nitrobenzene-d5
 Concen: 69.85 ng
 RT: 8.08 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: BF079691.D
 Acq: 4 Jun 2015 6:53

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.5(5)

Tgt Ion: 82 Resp: 368022
 Ion Ratio Lower Upper
 82 100
 128 51.6 39.4 59.0
 54 45.5 37.4 56.0

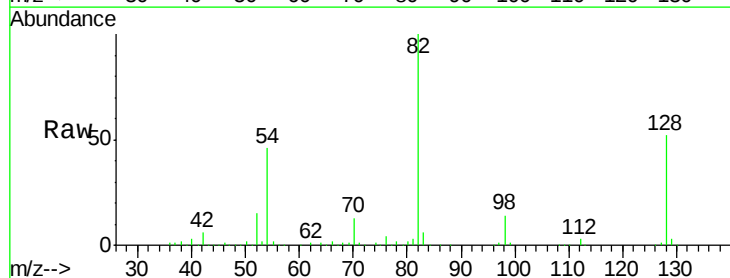


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

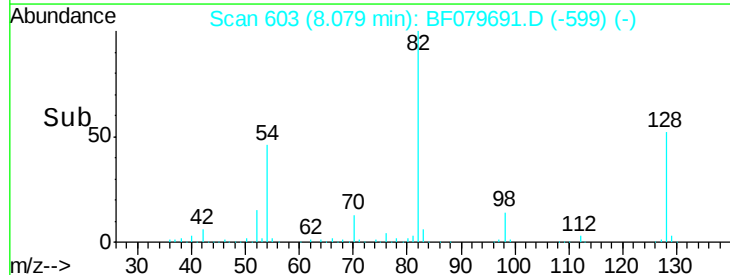
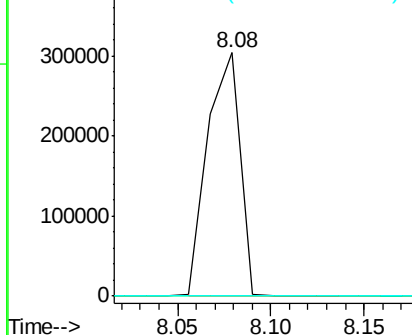


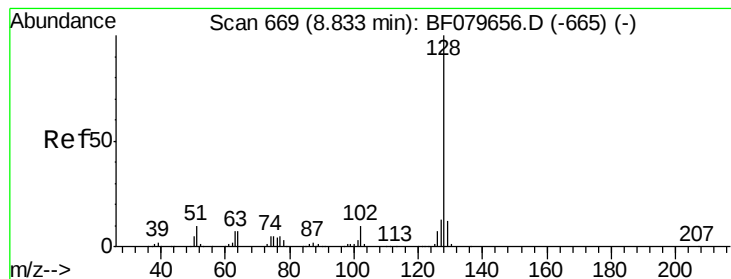
#25
 Isophorone
 Concen: 34.25 ng
 RT: 8.08 min Scan# 603
 Delta R.T. -0.25 min
 Lab File: BF079691.D
 Acq: 4 Jun 2015 6:53

Tgt Ion: 82 Resp: 366525
 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





#31

Naphthalene

Concen: 2.65 ng

RT: 8.83 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF079691.D

Acq: 4 Jun 2015 6:53

Instrument :

BNA_F

ClientSampleId :

PENRD8.5(5)

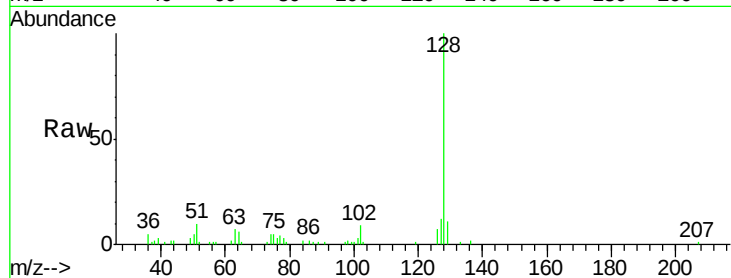
Tgt Ion:128 Resp: 43551

Ion Ratio Lower Upper

128 100

129 10.9 9.3 13.9

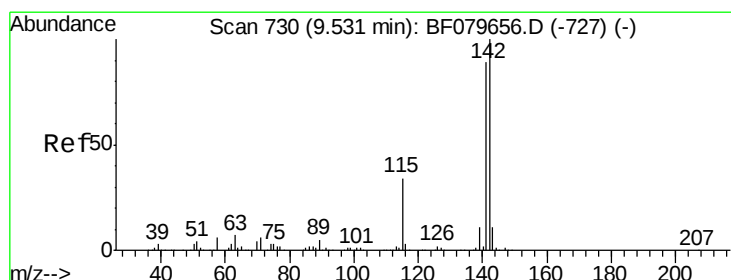
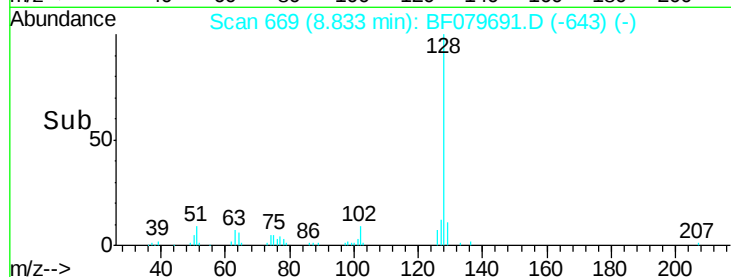
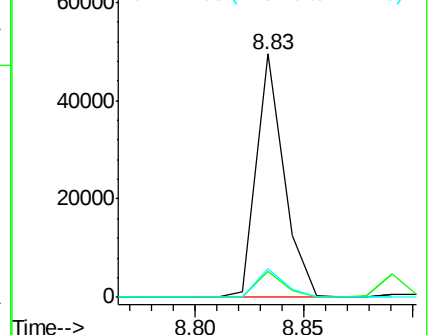
127 11.7 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.12 ng

RT: 9.53 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF079691.D

Acq: 4 Jun 2015 6:53

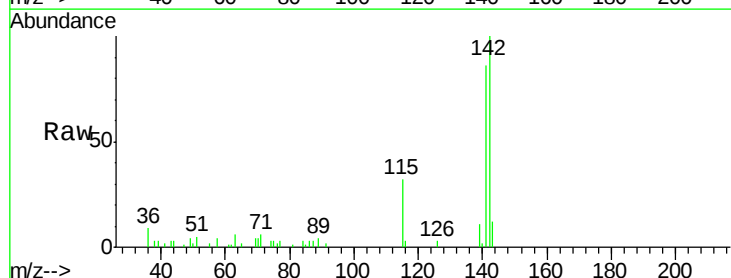
Tgt Ion:142 Resp: 23180

Ion Ratio Lower Upper

142 100

141 86.3 71.4 107.0

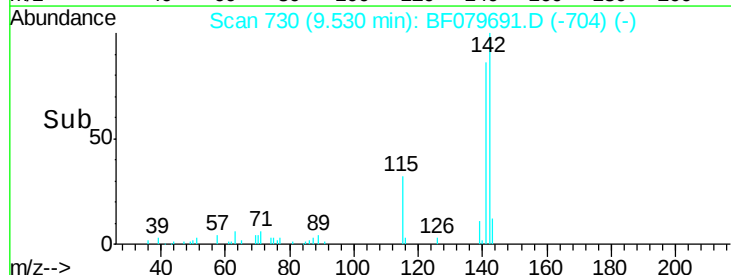
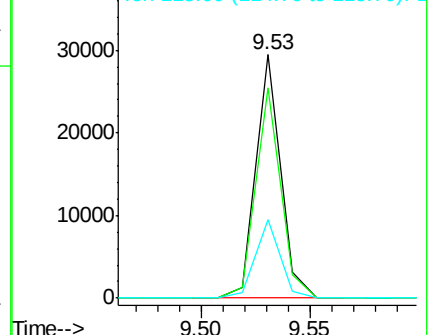
115 32.0 27.3 40.9

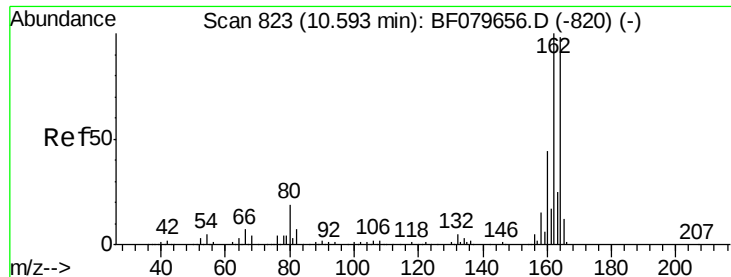


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

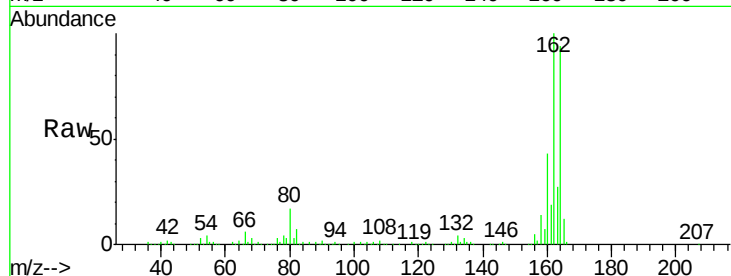




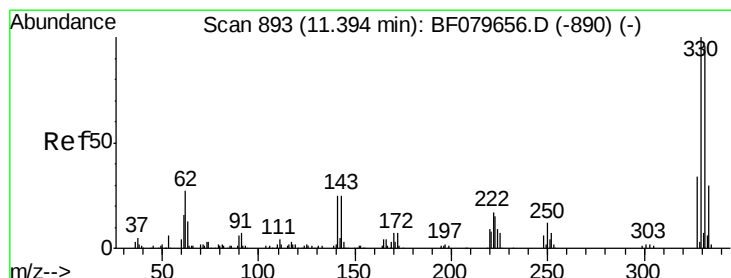
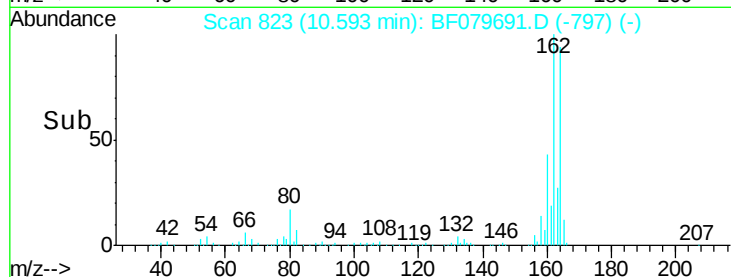
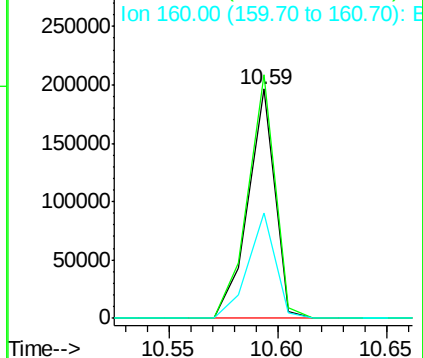
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.59 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF079691.D
Acq: 4 Jun 2015 6:53

Instrument :
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ClientSampleId :
PENRD8.5(5)

Tgt Ion:164 Resp: 167992
Ion Ratio Lower Upper
164 100
162 106.2 82.0 123.0
160 46.0 35.9 53.9

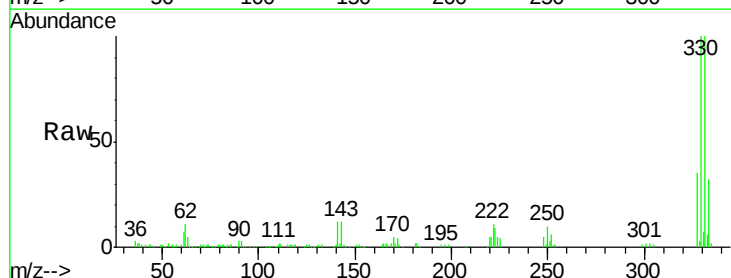


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

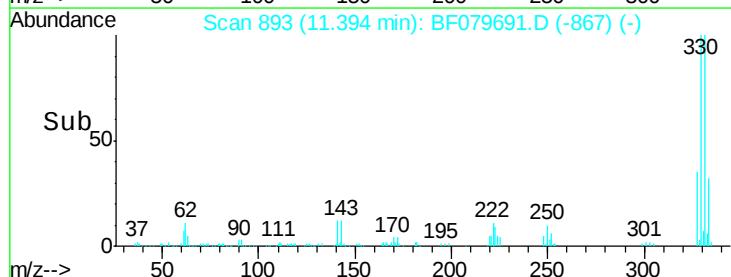
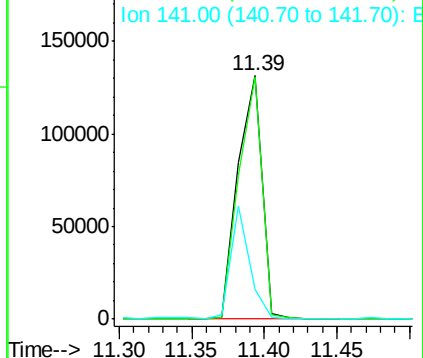


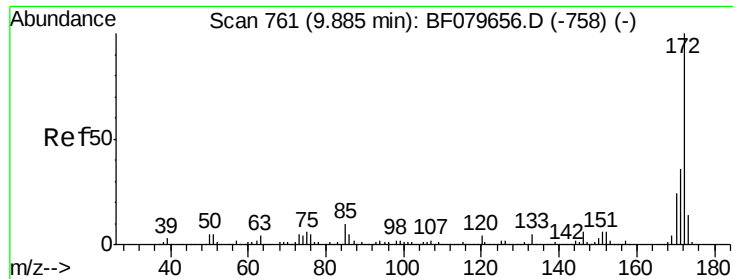
#41
2,4,6-Tribromophenol
Concen: 109.20 ng
RT: 11.39 min Scan# 893
Delta R.T. -0.00 min
Lab File: BF079691.D
Acq: 4 Jun 2015 6:53

Tgt Ion:330 Resp: 151398
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 38.1 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

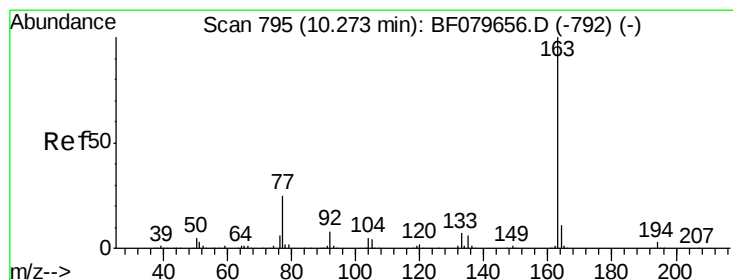
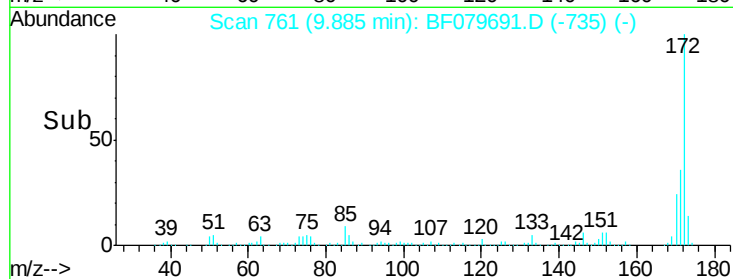
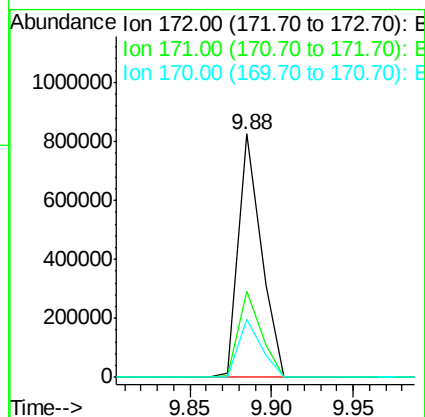
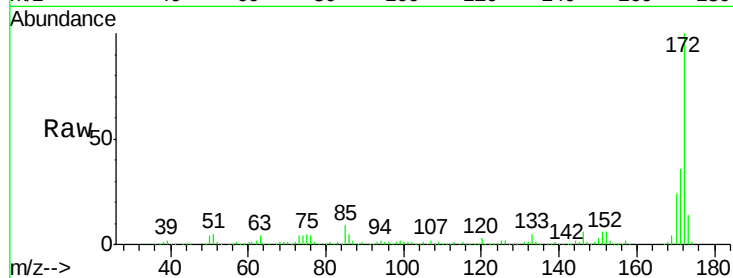




#44
2-Fluorobiphenyl
Concen: 70.34 ng
RT: 9.88 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF079691.D
Acq: 4 Jun 2015 6:53

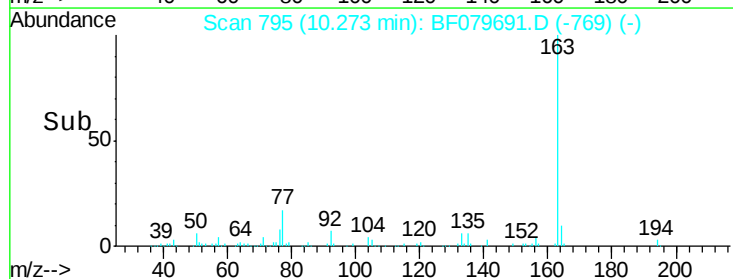
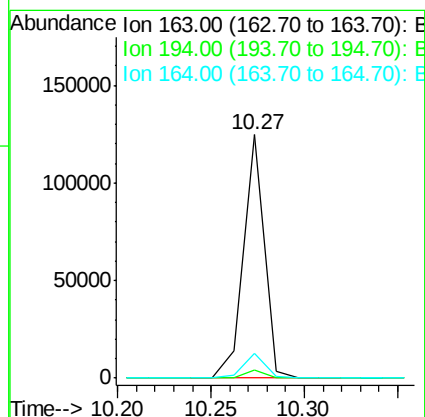
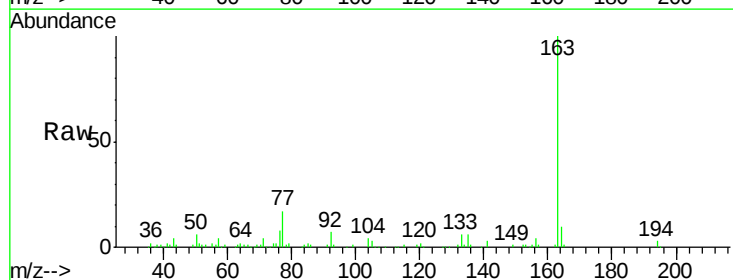
Instrument :
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PENRD8.5(5)

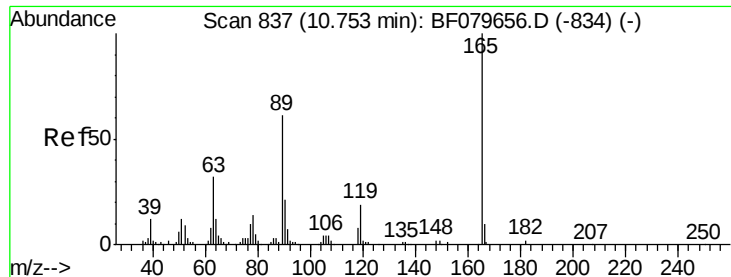
Tgt Ion:172 Resp: 793014
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.8 19.2 28.8



#49
Dimethylphthalate
Concen: 7.92 ng
RT: 10.27 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF079691.D
Acq: 4 Jun 2015 6:53

Tgt Ion:163 Resp: 97456
Ion Ratio Lower Upper
163 100
194 3.4 2.6 3.8
164 9.9 8.6 12.8

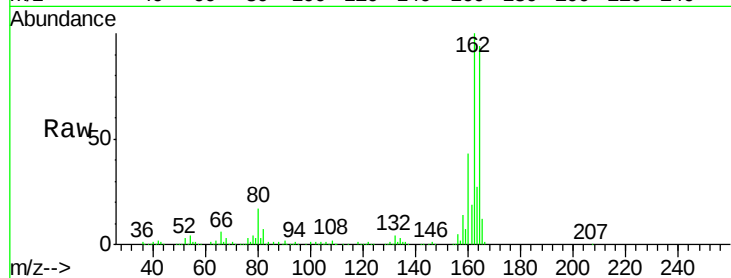




#56
 2,4-Dinitrotoluene
 Concen: 13.41 ng
 RT: 10.59 min Scan# 823
 Delta R.T. -0.16 min
 Lab File: BF079691.D
 Acq: 4 Jun 2015 6:53

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.5(5)

Tgt Ion:	165	Resp:	23153
Ion Ratio	Lower	Upper	
165	100		
63	2.1	25.5	38.3#
89	1.9	48.5	72.7#
182	0.0	1.9	2.9#

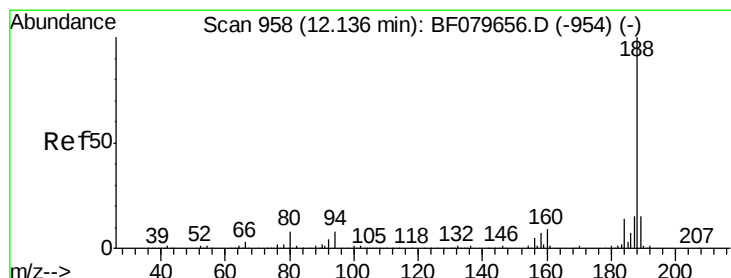
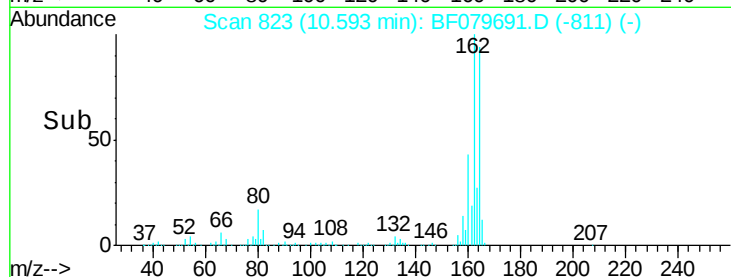
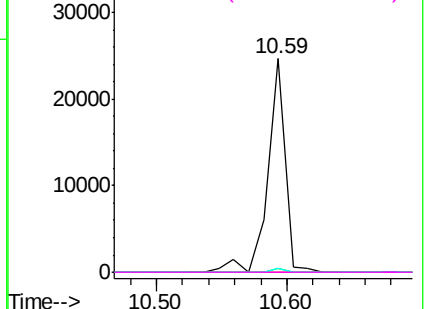


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

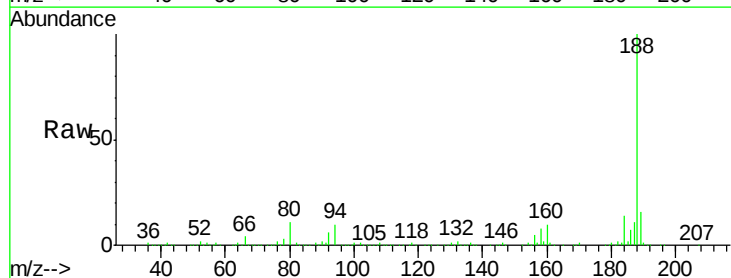
Ion 89.00 (88.70 to 89.70): BF0

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: BF079691.D
 Acq: 4 Jun 2015 6:53

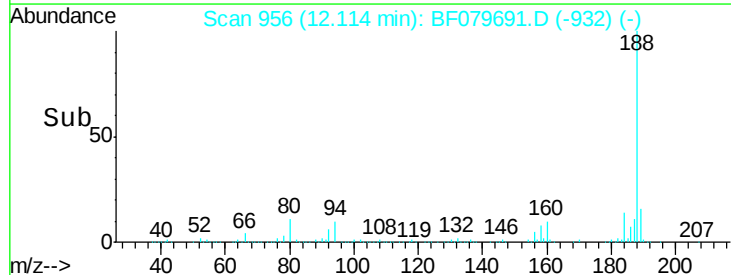
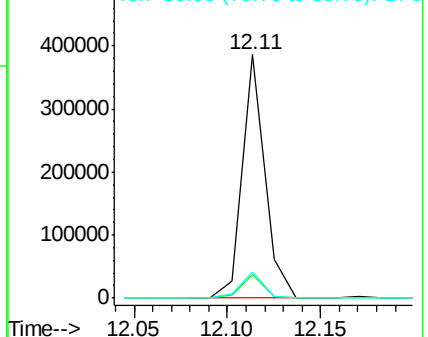
Tgt Ion:	188	Resp:	326490
Ion Ratio	Lower	Upper	
188	100		
94	9.7	6.1	9.1#
80	10.9	6.2	9.2#

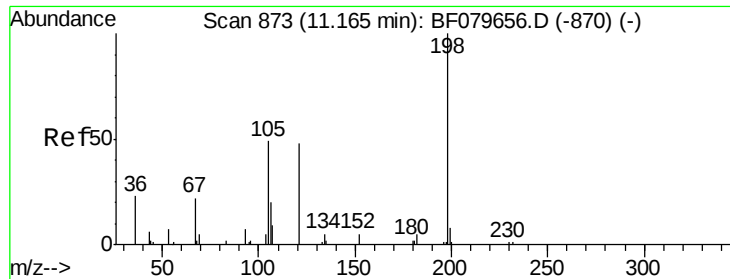


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

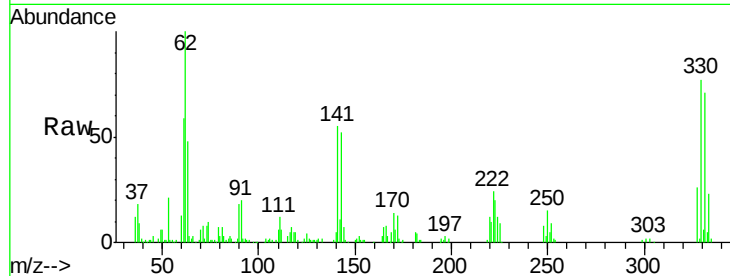




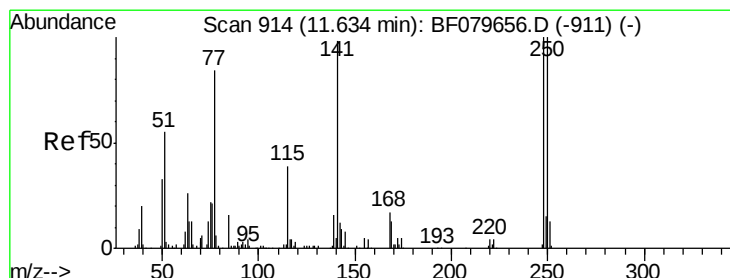
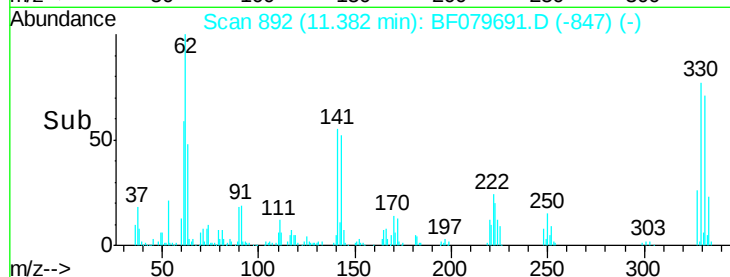
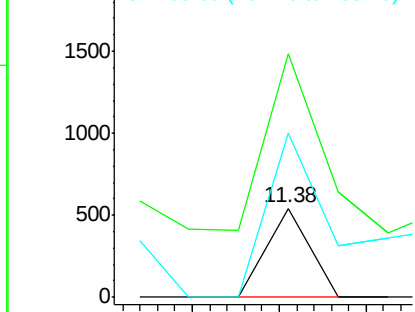
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.33 ng
 RT: 11.38 min Scan# 892
 Delta R.T. 0.22 min
 Lab File: BF079691.D
 Acq: 4 Jun 2015 6:53

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.5(5)

Tgt Ion:198 Resp: 372
 Ion Ratio Lower Upper
 198 100
 51 273.3 46.1 86.1#
 105 185.1 34.6 74.6#

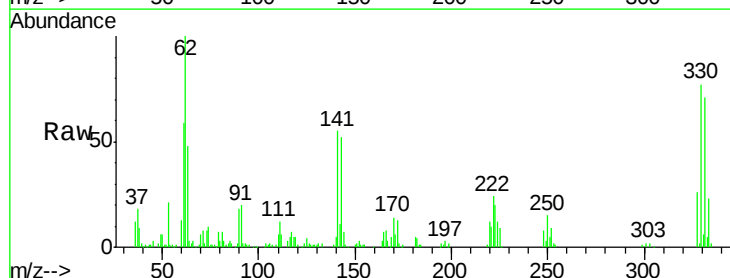


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

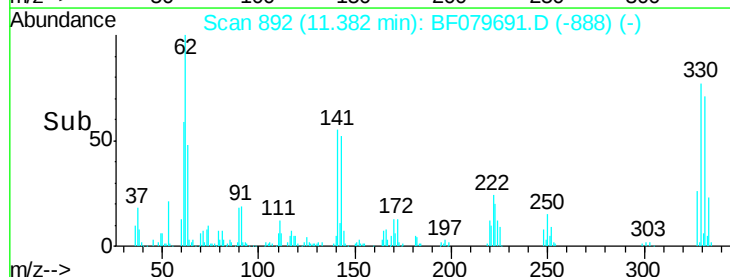
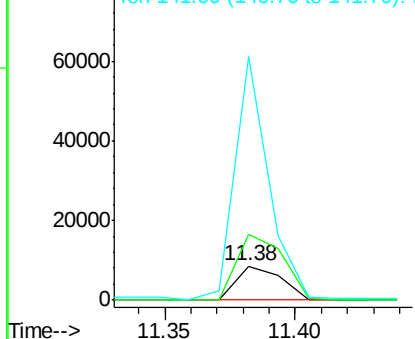


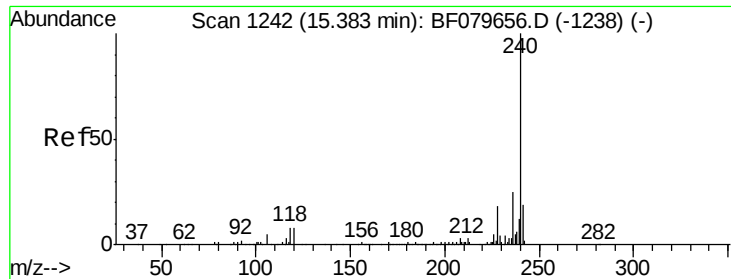
#66
 4-Bromophenyl-phenylether
 Concen: 3.07 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.25 min
 Lab File: BF079691.D
 Acq: 4 Jun 2015 6:53

Tgt Ion:248 Resp: 10049
 Ion Ratio Lower Upper
 248 100
 250 193.8 80.0 120.0#
 141 715.5 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: 15.20 min Scan# 1226

Delta R.T. -0.18 min

Lab File: BF079691.D

Acq: 4 Jun 2015 6:53

Instrument :

BNA_F

ClientSampleId :

PENRD8.5(5)

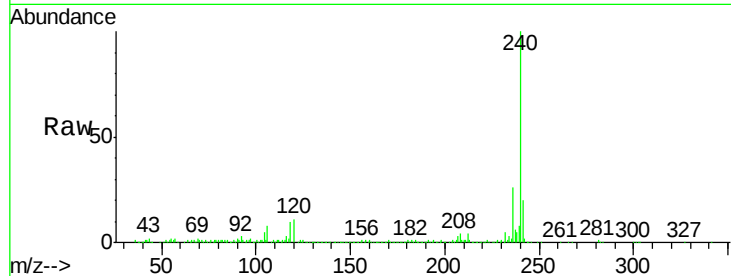
Tgt Ion:240 Resp: 339450

Ion Ratio Lower Upper

240 100

120 11.5 6.4 9.6#

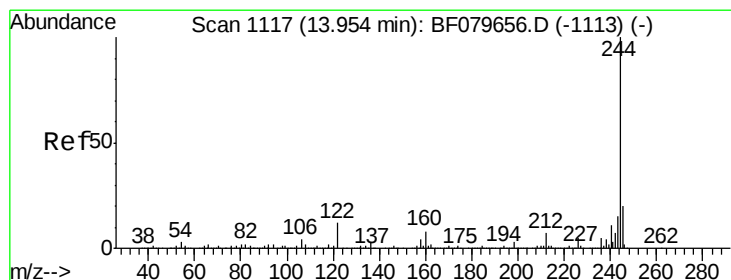
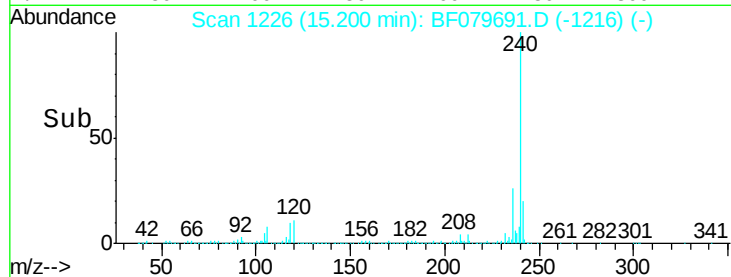
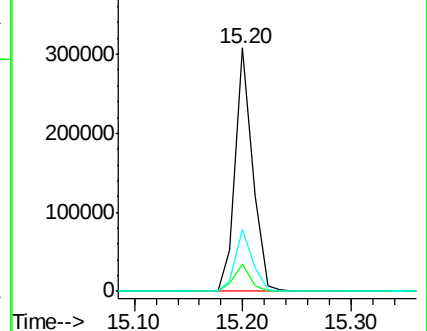
236 25.6 20.2 30.4



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: 60.32 ng

RT: 13.86 min Scan# 1109

Delta R.T. -0.09 min

Lab File: BF079691.D

Acq: 4 Jun 2015 6:53

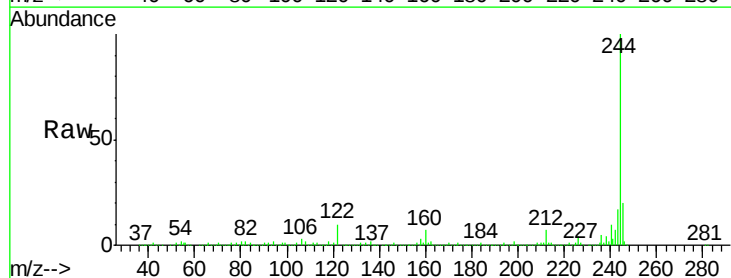
Tgt Ion:244 Resp: 825575

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

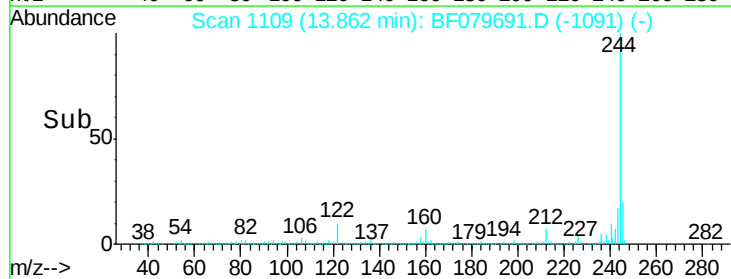
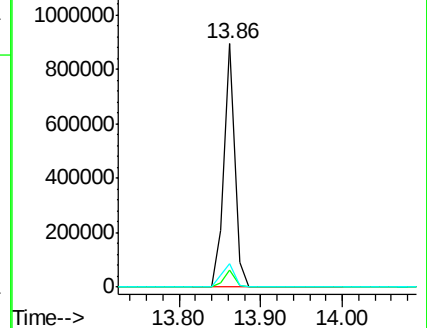
122 9.6 9.8 14.6#

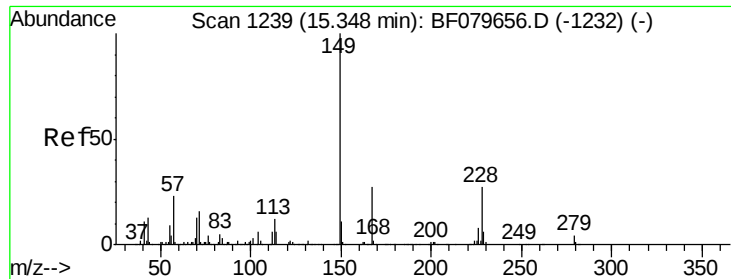


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

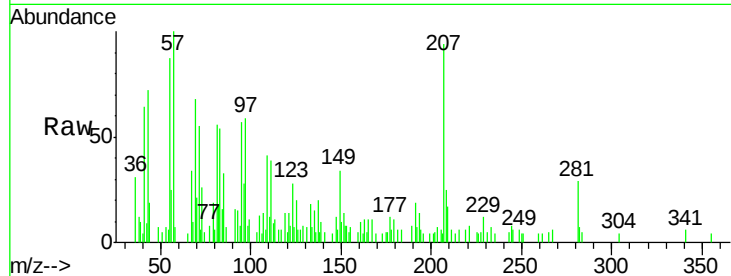




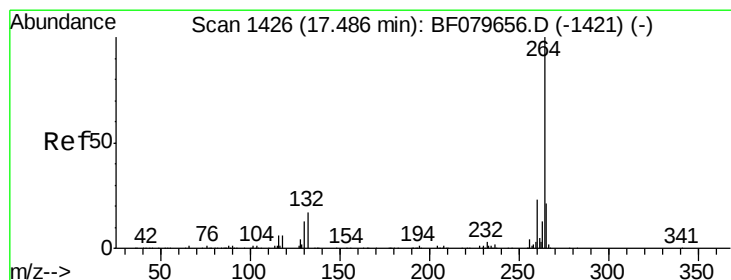
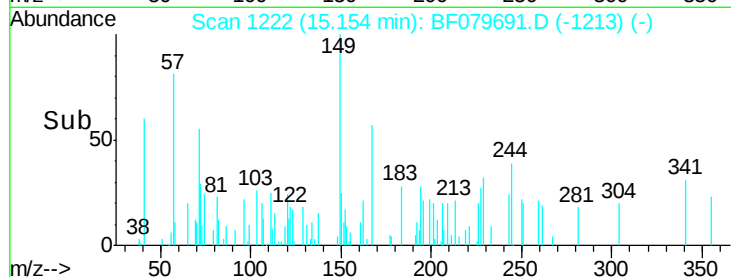
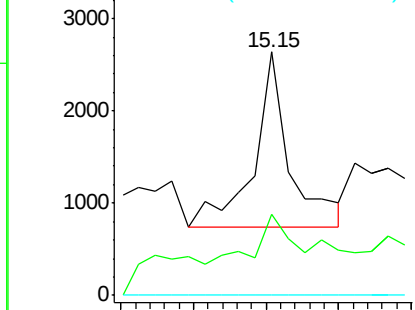
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.49 ng
 RT: 15.15 min Scan# 1222
 Delta R.T. -0.19 min
 Lab File: BF079691.D
 Acq: 4 Jun 2015 6:53

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.5(5)

Tgt Ion:149 Resp: 3246
 Ion Ratio Lower Upper
 149 100
 167 33.4 21.6 32.4#
 279 0.0 3.1 4.7#

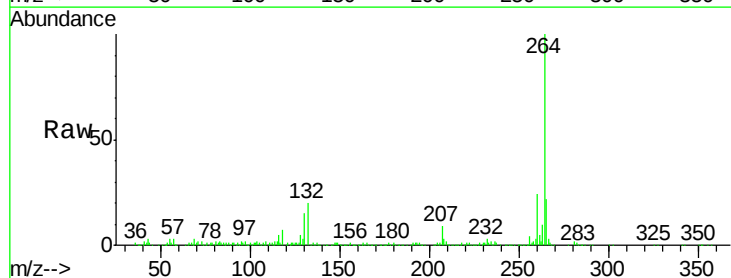


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.21 min Scan# 1402
 Delta R.T. -0.27 min
 Lab File: BF079691.D
 Acq: 4 Jun 2015 6:53

Tgt Ion:264 Resp: 333307
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.8 28.2
 265 22.2 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

