

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053115\
 Data File : BM001506.D
 Acq On : 31 May 2015 11:07
 Operator : TP/IZ
 Sample : PB83689BS
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83689BS

Quant Time: Jun 01 05:51:27 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM053115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun May 31 07:43:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	13421	5.00	ng	0.00
6) Naphthalene-d8	10.15	136	52314	5.00	ng	0.00
9) Acenaphthene-d10	14.06	164	28115	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	56839	5.00	ng	0.00
17) Chrysene-d12	21.03	240	48454	5.00	ng	0.00
21) Perylene-d12	23.11	264	41270	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	28988	10.98	ng	0.00
3) Phenol-d6	6.57	99	41918	12.17	ng	0.00
7) Nitrobenzene-d5	8.51	82	20898	7.39	ng	-0.03
10) 2,4,6-Tribromophenol	15.56	330	13343	13.39	ng	-0.01
11) 2-Fluorobiphenyl	12.67	172	60891	7.47	ng	0.00
18) Terphenyl-d14	19.46	244	46478	7.17	ng	0.00

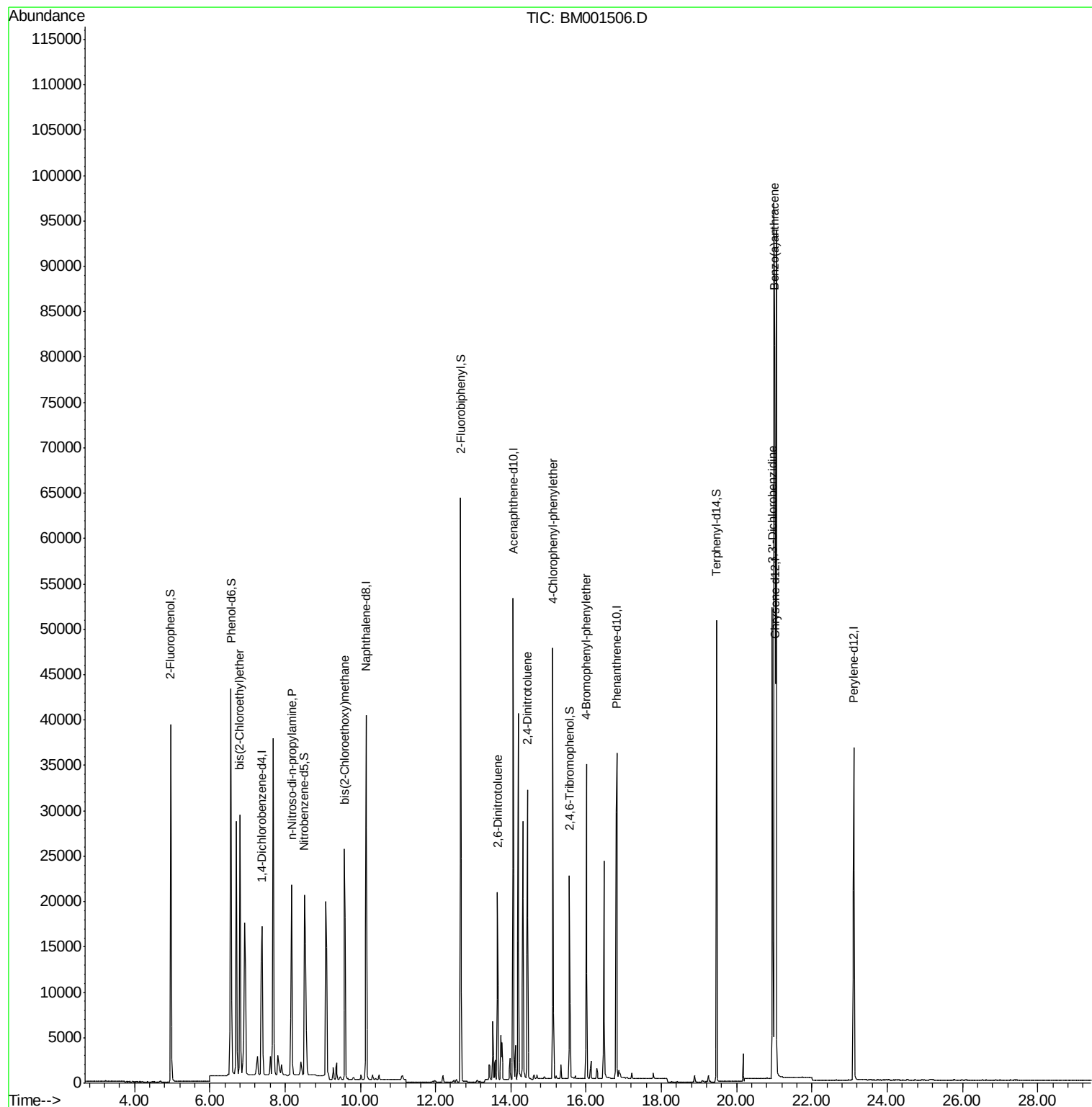
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.80	93	21506	8.09	ng	96
5) n-Nitroso-di-n-propylamine	8.18	70	17203	7.93	ng	92
8) bis(2-Chloroethoxy)methane	9.58	93	27748	8.22	ng	98
12) 2,6-Dinitrotoluene	13.65	165	13503	7.80	ng	# 65
13) 2,4-Dinitrotoluene	14.45	165	18899	8.52	ng	# 86
14) 4-Chlorophenyl-phenylether	15.11	204	32637	8.00	ng	# 84
16) 4-Bromophenyl-phenylether	16.01	248	18757	7.92	ng	# 64
19) Benzo(a)anthracene	21.00	228	95411	7.22	ng	# 85
20) 3,3'-Dichlorobenzidine	20.95	252	37897	8.78	ng	# 87

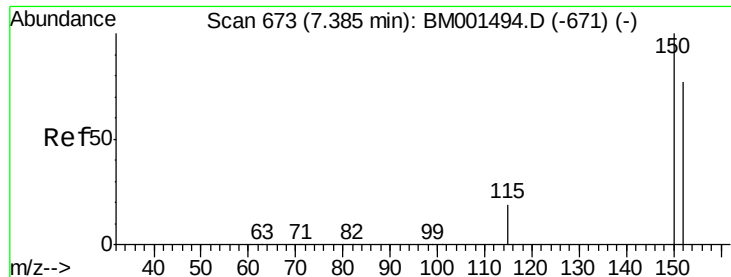
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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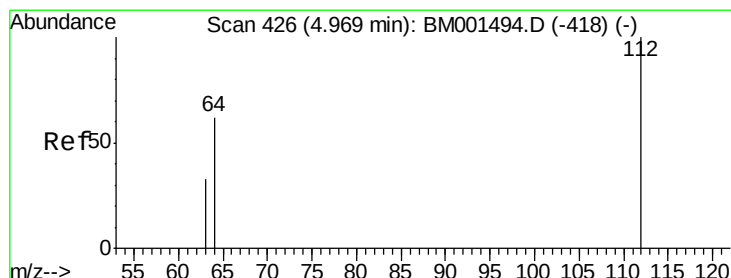
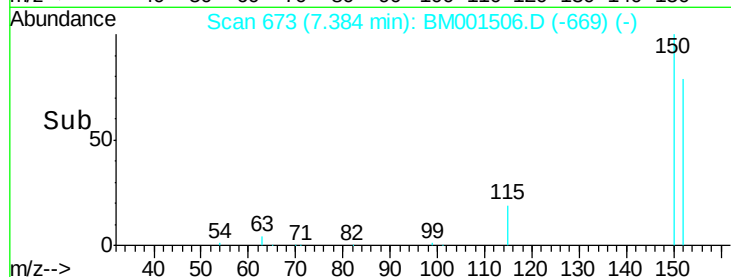
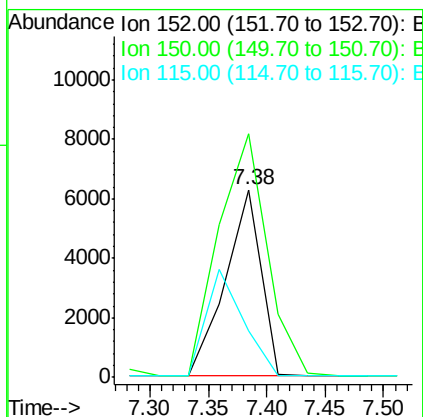
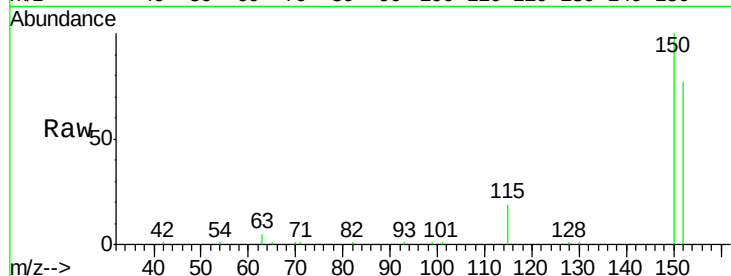


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.38 min Scan# 673
Delta R.T. -0.00 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07

Instrument :
BNA_M
ClientSampleId :
PB83689BS

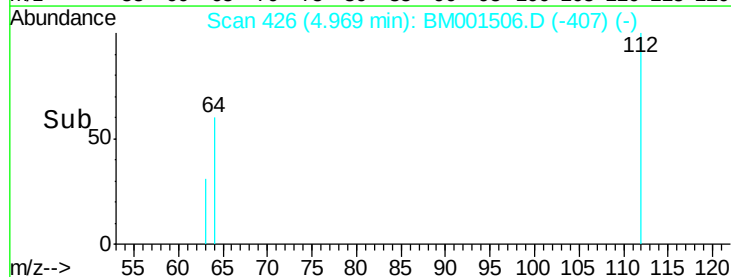
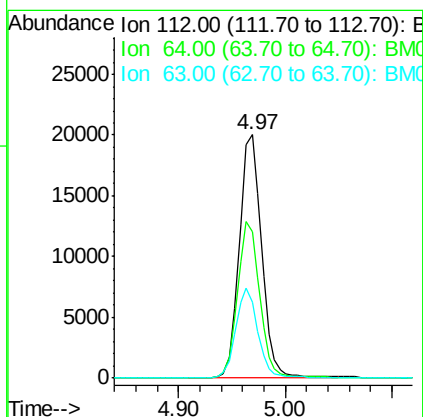
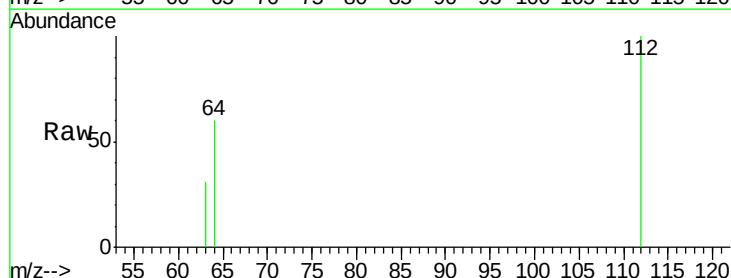
Tgt Ion:152 Resp: 13421
Ion Ratio Lower Upper
152 100
150 129.8 103.8 155.8
115 24.8 20.7 31.1

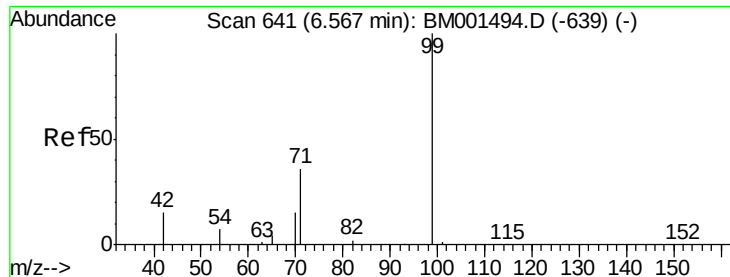


#2

2-Fluorophenol
Concen: 10.98 ng
RT: 4.97 min Scan# 426
Delta R.T. -0.00 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07

Tgt Ion:112 Resp: 28988
Ion Ratio Lower Upper
112 100
64 60.3 50.2 75.2
63 31.2 28.2 42.4





#3

Phenol-d6

Concen: 12.17 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Instrument :

BNA_M

ClientSampleId :

PB83689BS

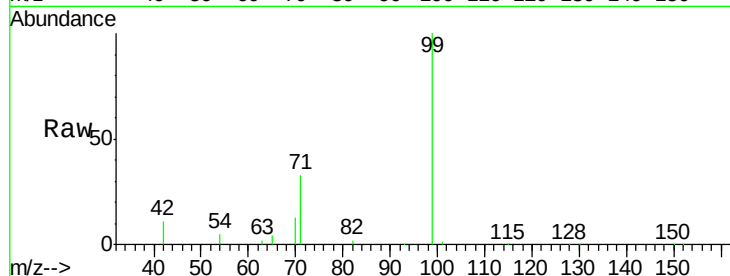
Tgt Ion: 99 Resp: 41918

Ion Ratio Lower Upper

99 100

42 11.3 15.2 22.8#

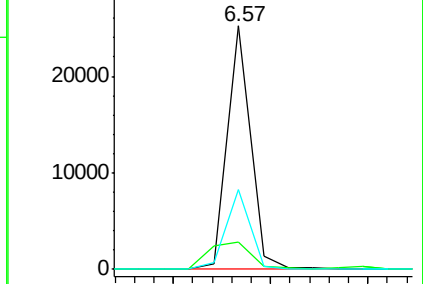
71 33.0 30.6 46.0



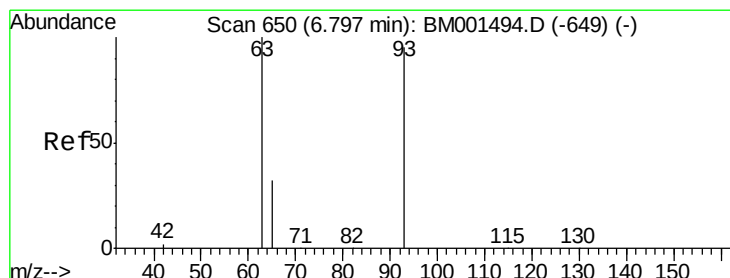
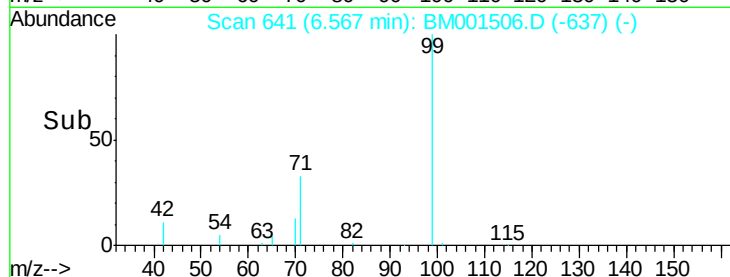
Abundance Ion 99.00 (98.70 to 99.70): BM001494.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM001494.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM001494.D (-639) (-)



Time-->



#4

bis(2-Chloroethyl)ether

Concen: 8.09 ng

RT: 6.80 min Scan# 650

Delta R.T. -0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

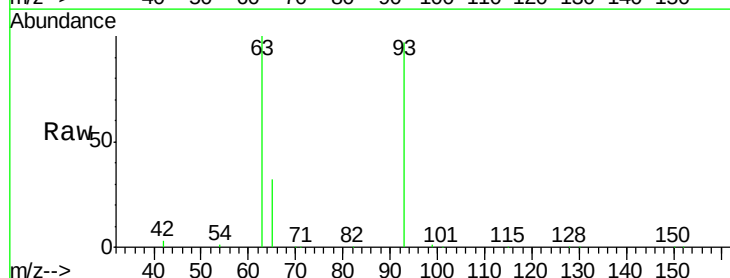
Tgt Ion: 93 Resp: 21506

Ion Ratio Lower Upper

93 100

63 103.0 86.8 126.8

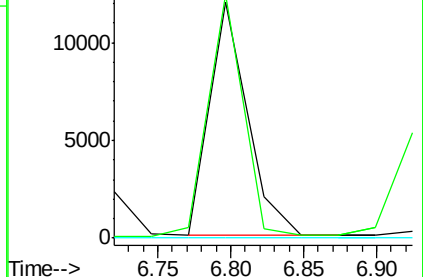
95 0.0 0.0 20.0



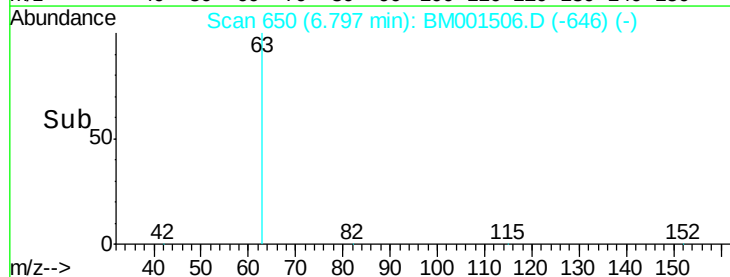
Abundance Ion 93.00 (92.70 to 93.70): BM001494.D (-649) (-)

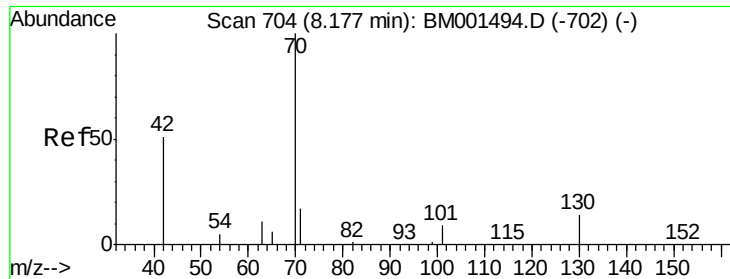
Ion 63.00 (62.70 to 63.70): BM001494.D (-649) (-)

Ion 95.00 (94.70 to 95.70): BM001494.D (-649) (-)



Time-->





#5

n-Nitroso-di-n-propylamine

Concen: 7.93 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Instrument :

BNA_M

ClientSampleId :

PB83689BS

Tgt Ion: 70 Resp: 17203

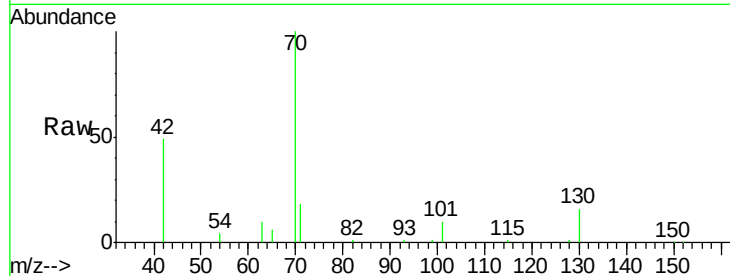
Ion Ratio Lower Upper

70 100

42 48.5 44.2 66.2

101 10.5 10.3 15.5

130 15.5 13.9 20.9

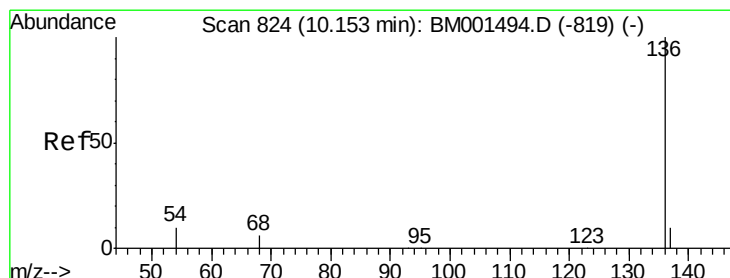
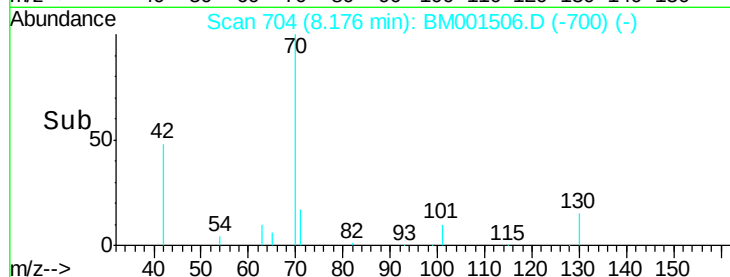
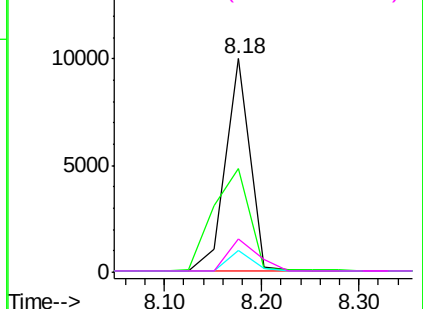


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.15 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Tgt Ion: 136 Resp: 52314

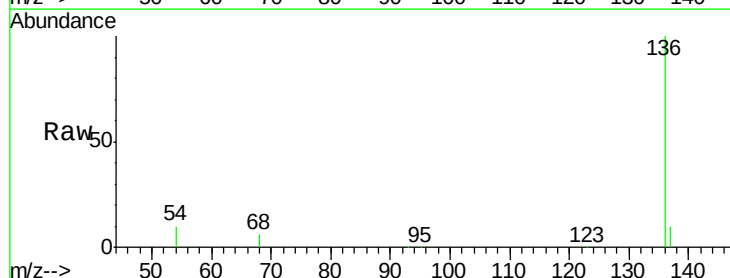
Ion Ratio Lower Upper

136 100

137 10.5 8.3 12.5

54 10.3 8.5 12.7

68 5.9 5.0 7.4

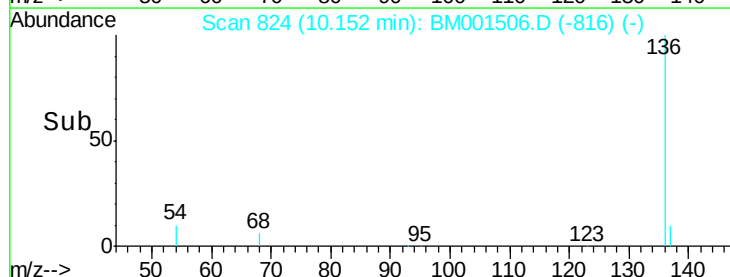
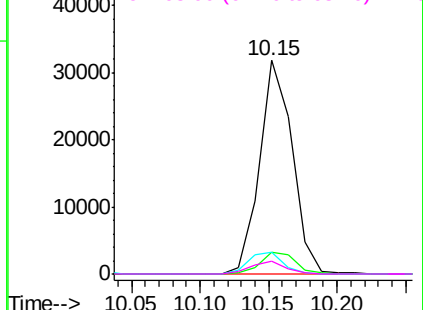


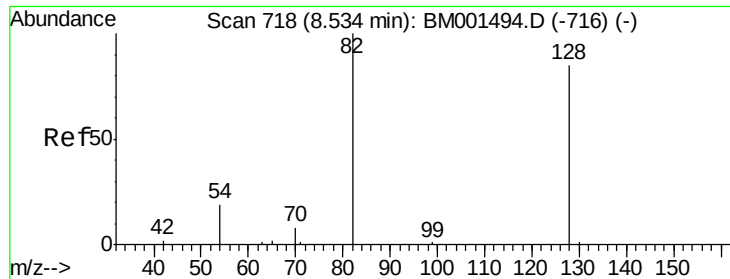
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0





#7

Nitrobenzene-d5

Concen: 7.39 ng

RT: 8.51 min Scan# 717

Delta R.T. -0.03 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Instrument :

BNA_M

ClientSampleId :

PB83689BS

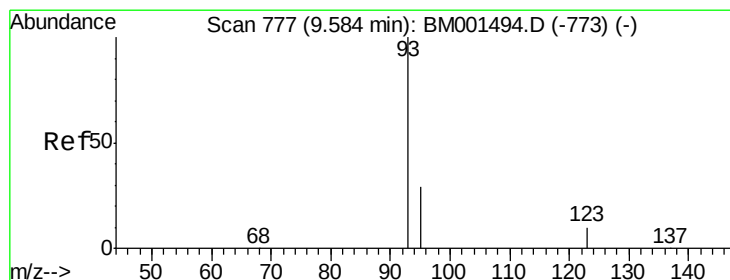
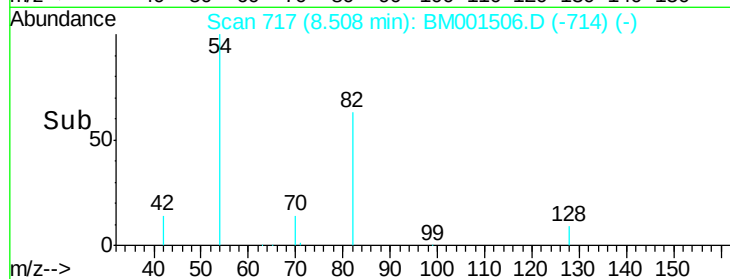
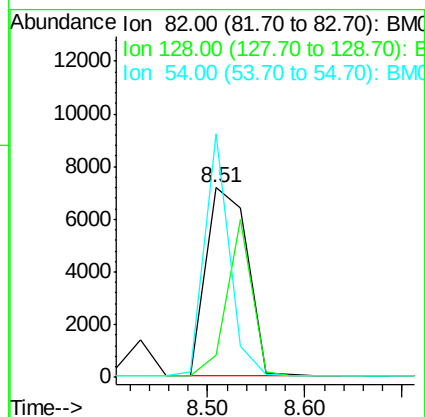
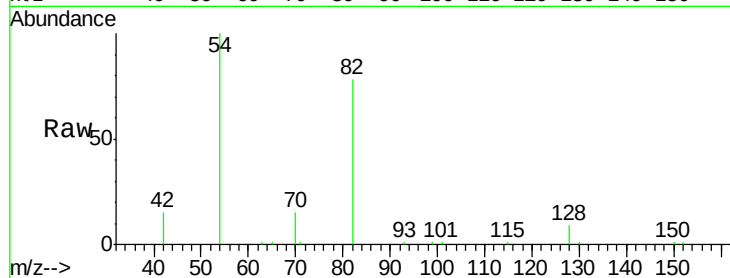
Tgt Ion: 82 Resp: 20898

Ion Ratio Lower Upper

82 100

128 11.8 68.2 102.2#

54 128.6 21.0 31.4#



#8

bis(2-Chloroethoxy)methane

Concen: 8.22 ng

RT: 9.58 min Scan# 777

Delta R.T. -0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

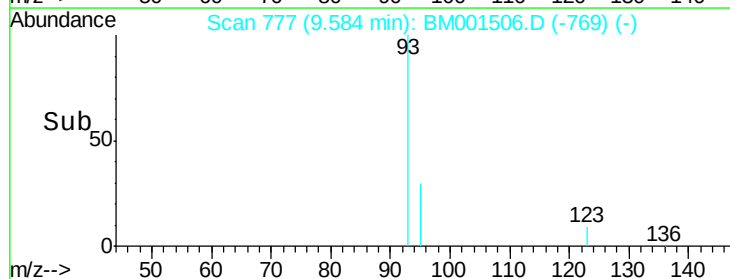
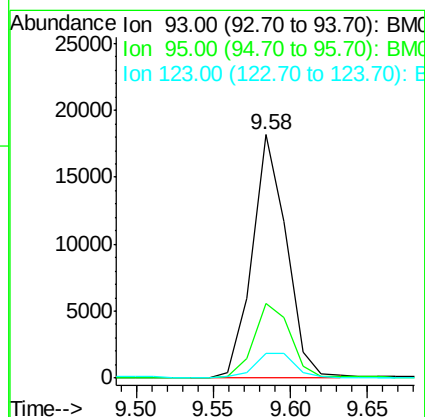
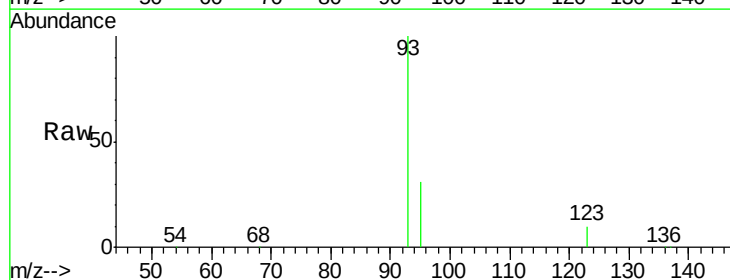
Tgt Ion: 93 Resp: 27748

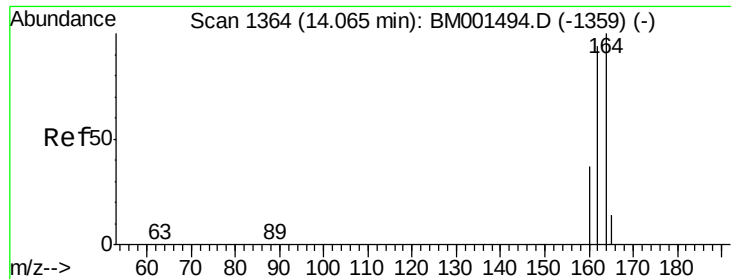
Ion Ratio Lower Upper

93 100

95 30.6 25.0 37.6

123 10.1 9.5 14.3





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.06 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Instrument :

BNA_M

ClientSampleId :

PB83689BS

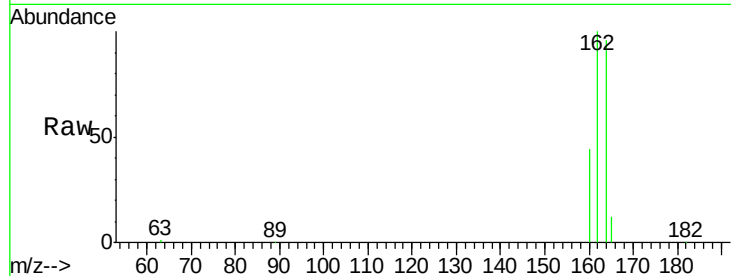
Tgt Ion:164 Resp: 28115

Ion Ratio Lower Upper

164 100

162 104.1 75.3 112.9

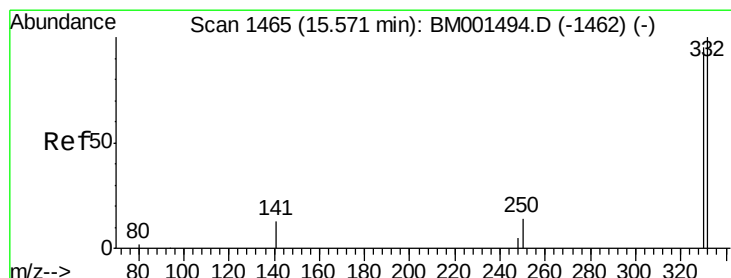
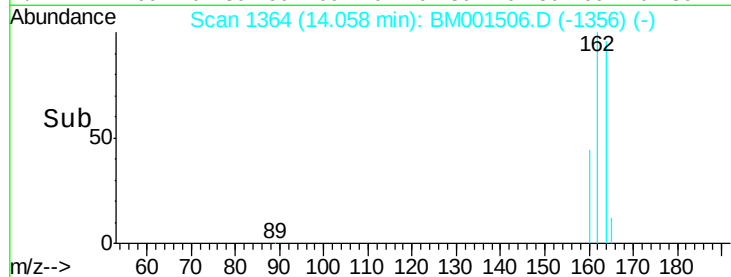
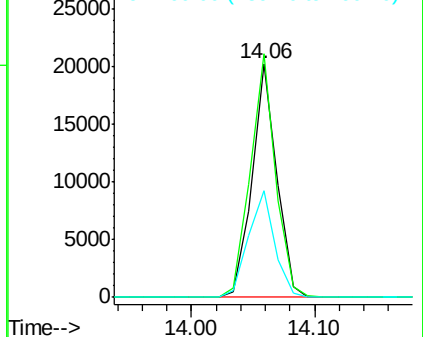
160 45.7 30.1 45.1#



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



#10

2,4,6-Tribromophenol

Concen: 13.39 ng

RT: 15.56 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

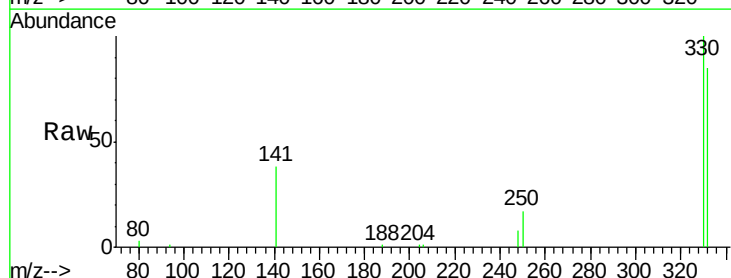
Tgt Ion:330 Resp: 13343

Ion Ratio Lower Upper

330 100

332 95.2 77.6 116.4

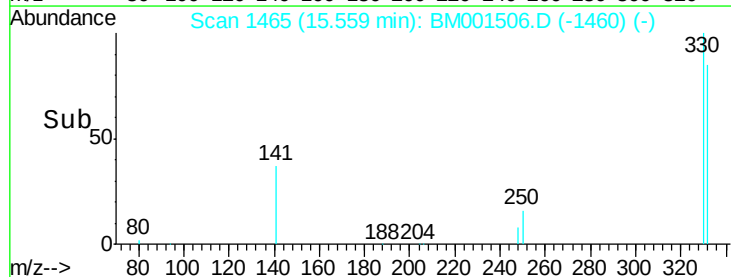
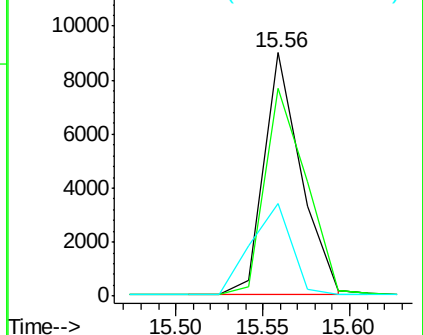
141 42.2 34.3 51.5

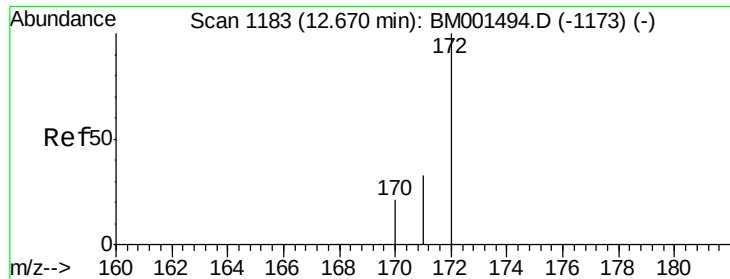


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

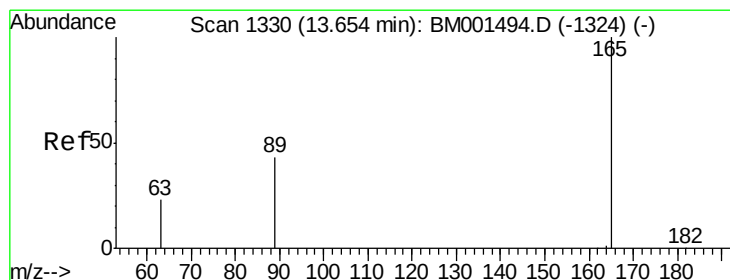
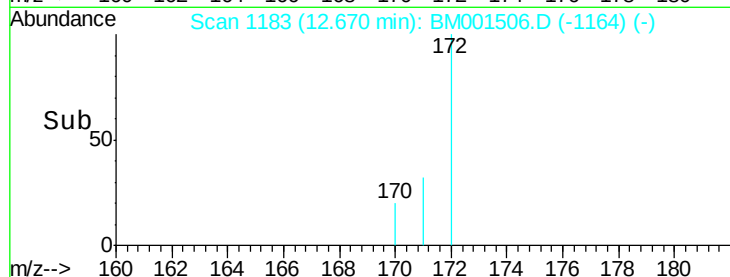
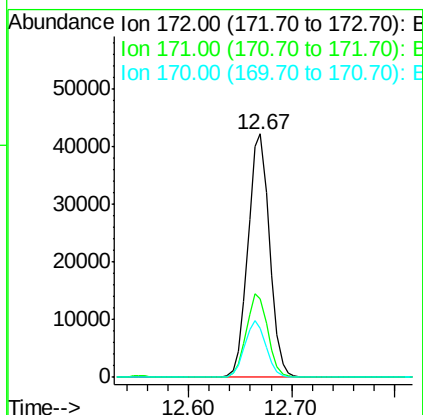
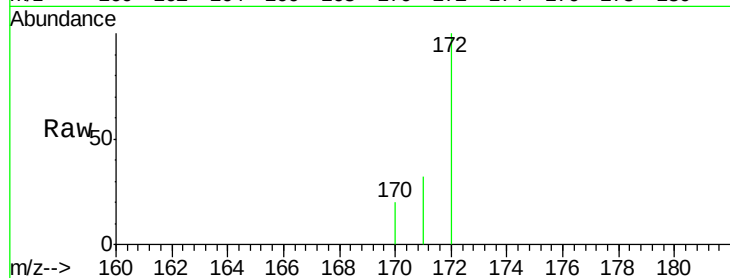




#11
2-Fluorobiphenyl
Concen: 7.47 ng
RT: 12.67 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07

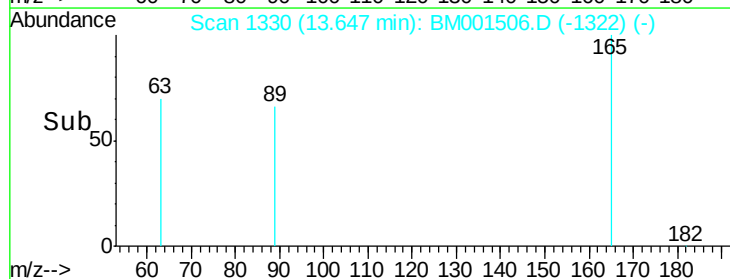
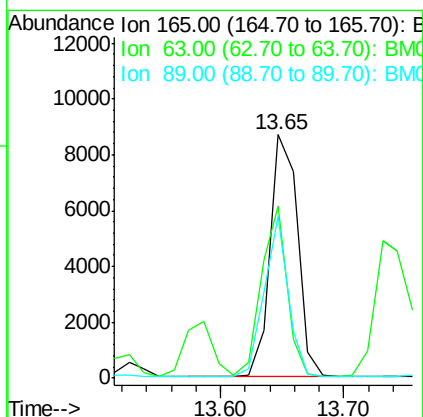
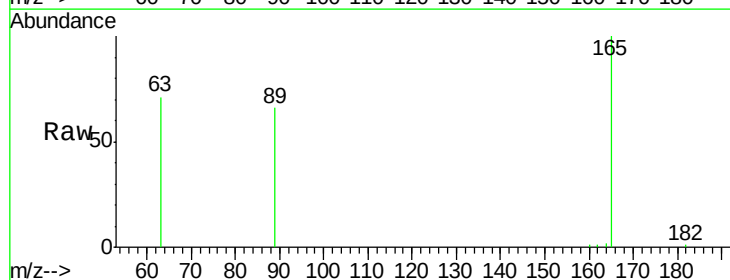
Instrument :
BNA_M
ClientSampled :
PB83689BS

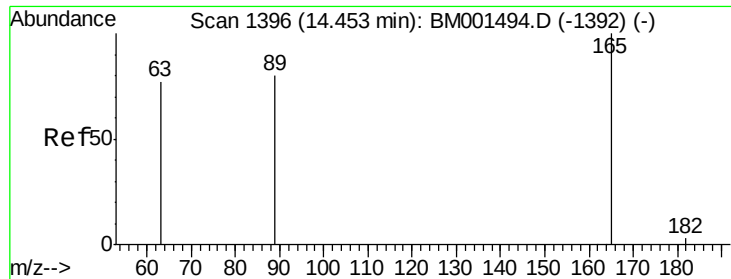
Tgt Ion:172 Resp: 60891
Ion Ratio Lower Upper
172 100
171 32.3 27.2 40.8
170 20.0 17.8 26.6



#12
2,6-Dinitrotoluene
Concen: 7.80 ng
RT: 13.65 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07

Tgt Ion:165 Resp: 13503
Ion Ratio Lower Upper
165 100
63 70.5 35.3 52.9#
89 66.1 37.4 56.2#

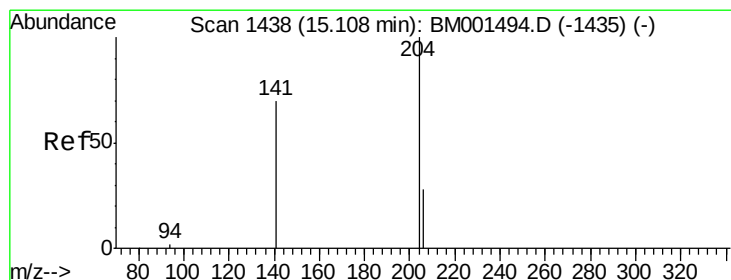
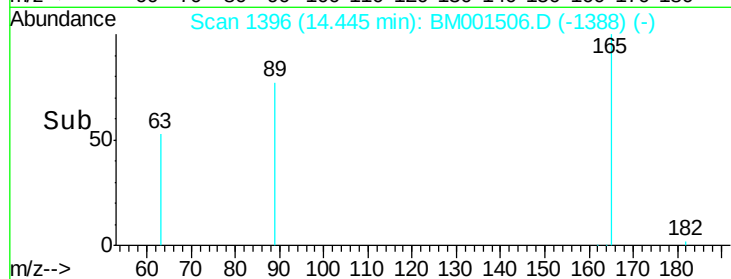
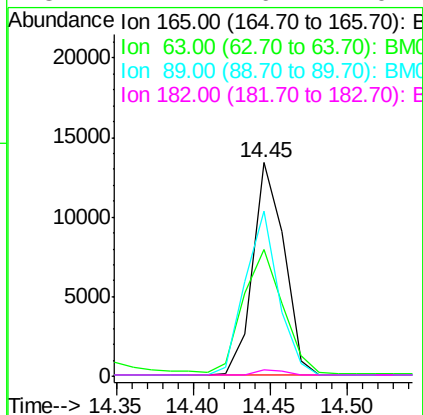
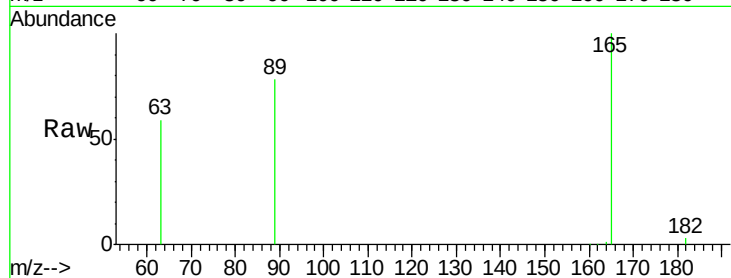




#13
 2,4-Dinitrotoluene
 Concen: 8.52 ng
 RT: 14.45 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BM001506.D
 Acq: 31 May 2015 11:07

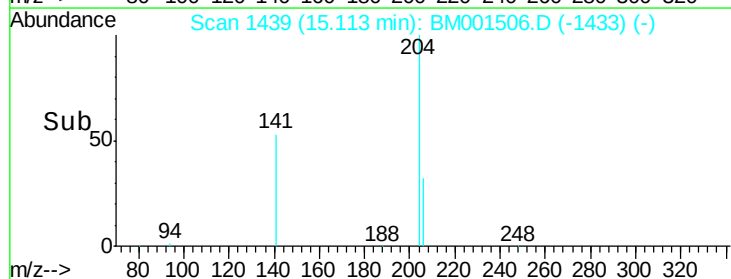
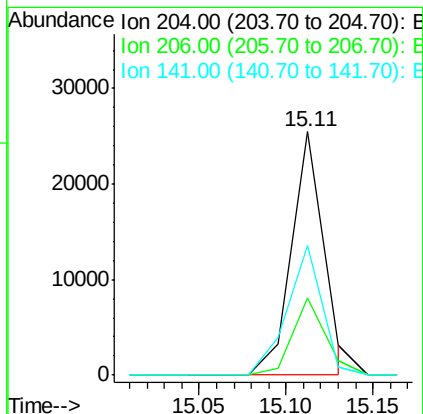
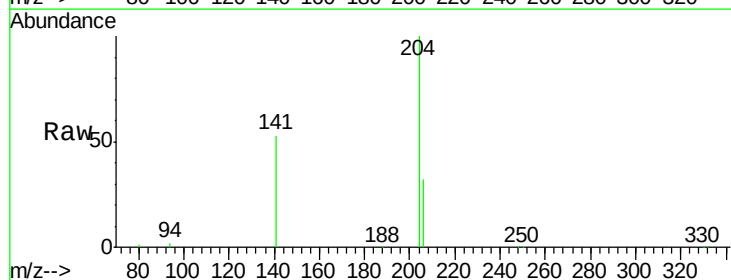
Instrument :
 BNA_M
 ClientSampleId :
 PB83689BS

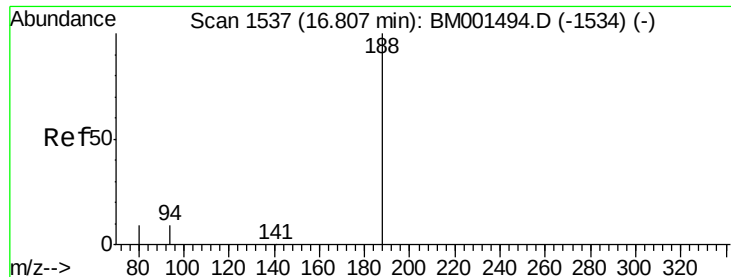
Tgt Ion:165 Resp: 18899
 Ion Ratio Lower Upper
 165 100
 63 59.3 63.9 95.9#
 89 77.5 65.0 97.6
 182 2.7 6.2 9.4#



#14
 4-Chlorophenyl-phenylether
 Concen: 8.00 ng
 RT: 15.11 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BM001506.D
 Acq: 31 May 2015 11:07

Tgt Ion:204 Resp: 32637
 Ion Ratio Lower Upper
 204 100
 206 31.7 23.8 35.6
 141 53.2 56.6 85.0#





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.81 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Instrument :

BNA_M

ClientSampleId :

PB83689BS

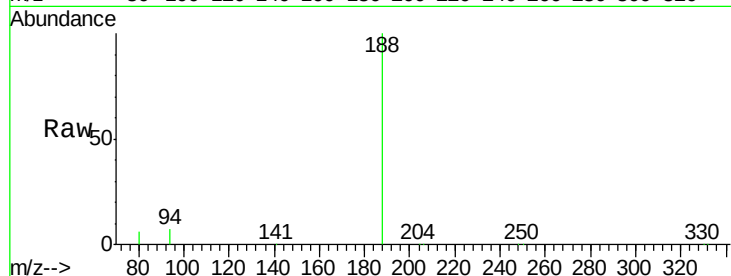
Tgt Ion:188 Resp: 56839

Ion Ratio Lower Upper

188 100

94 6.9 7.1 10.7#

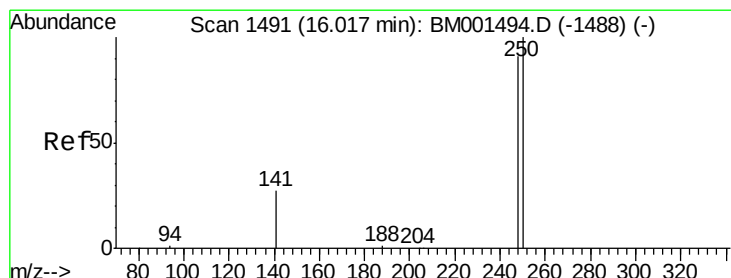
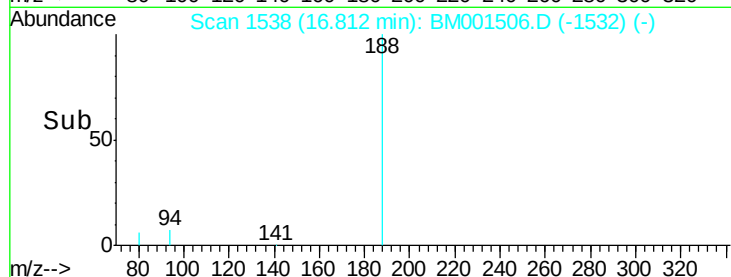
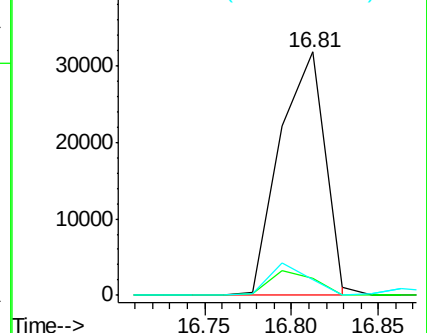
80 6.3 7.3 10.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#16

4-Bromophenyl-phenylether

Concen: 7.92 ng

RT: 16.01 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

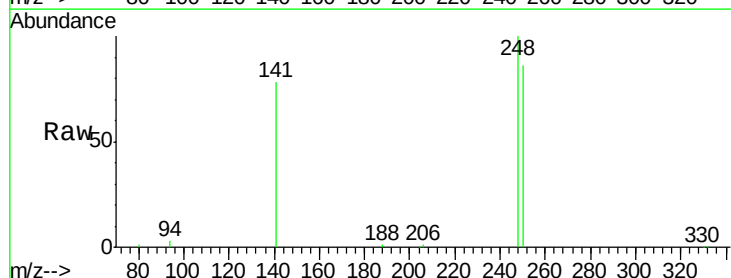
Tgt Ion:248 Resp: 18757

Ion Ratio Lower Upper

248 100

250 86.1 87.3 130.9#

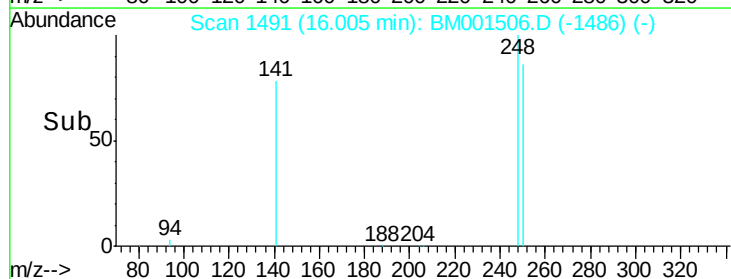
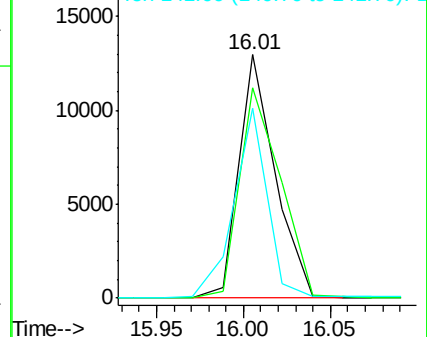
141 78.0 25.8 38.8#

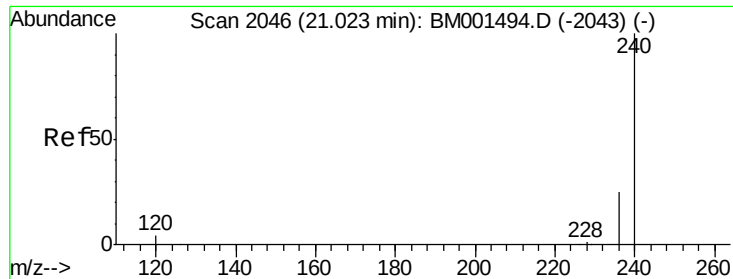


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#17

Chrysene-d12

Concen: 5.00 ng

RT: 21.03 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Instrument :

BNA_M

ClientSampleId :

PB83689BS

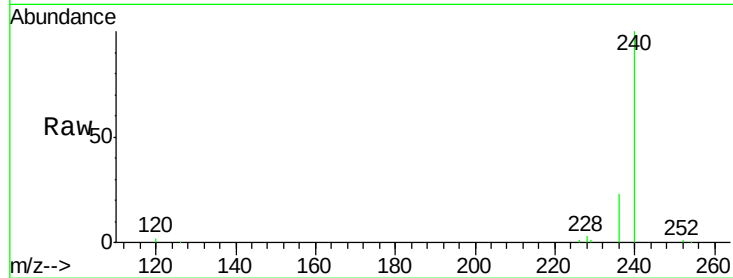
Tgt Ion:240 Resp: 48454

Ion Ratio Lower Upper

240 100

120 2.5 3.7 5.5#

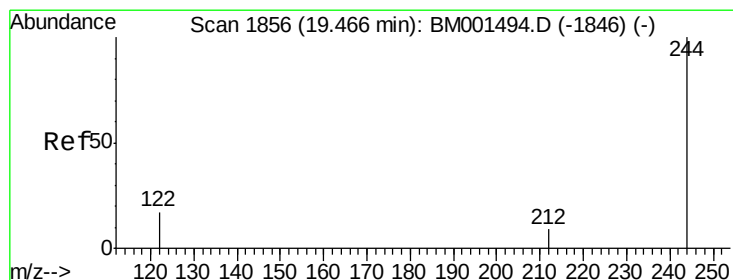
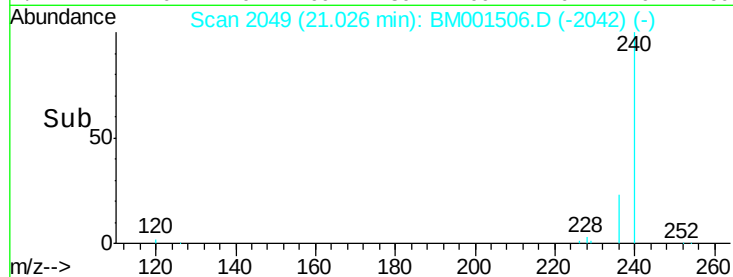
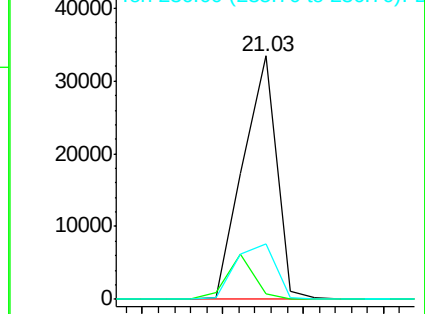
236 22.7 19.8 29.8



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



#18

Terphenyl-d14

Concen: 7.17 ng

RT: 19.46 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

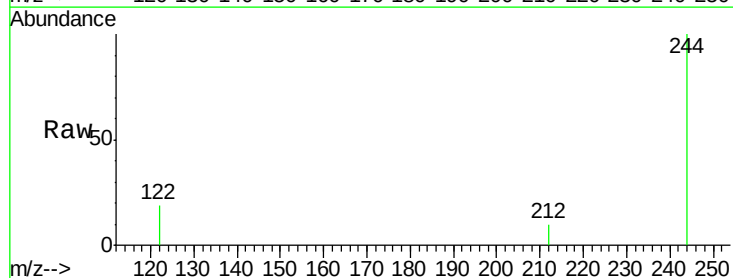
Tgt Ion:244 Resp: 46478

Ion Ratio Lower Upper

244 100

212 9.8 8.0 12.0

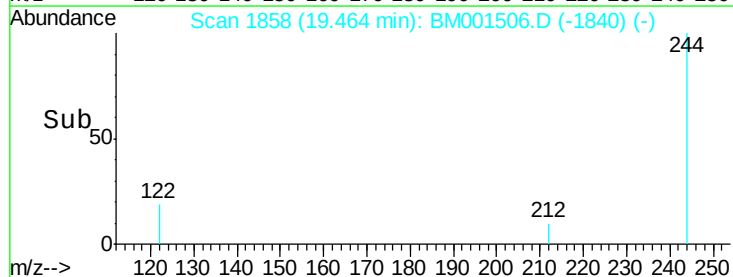
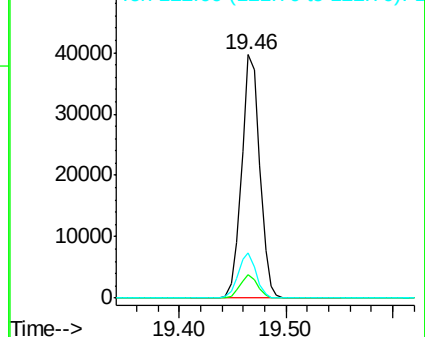
122 18.7 14.1 21.1

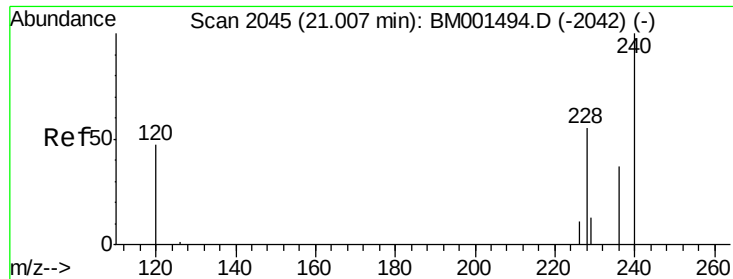


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 7.22 ng

RT: 21.00 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Instrument :

BNA_M

ClientSampleId :

PB83689BS

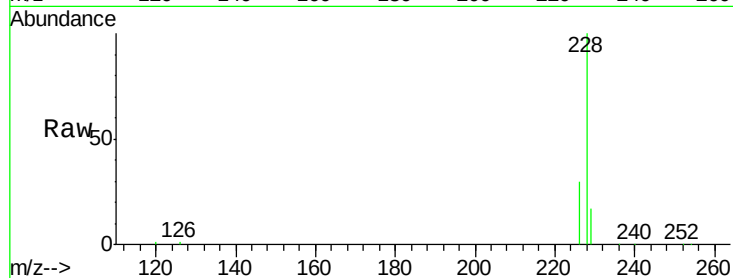
Tgt Ion:228 Resp: 95411

Ion Ratio Lower Upper

228 100

226 30.0 17.5 26.3#

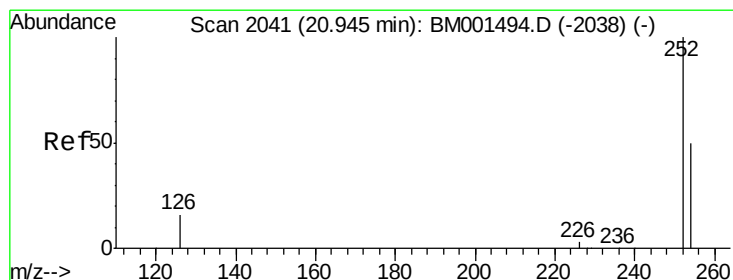
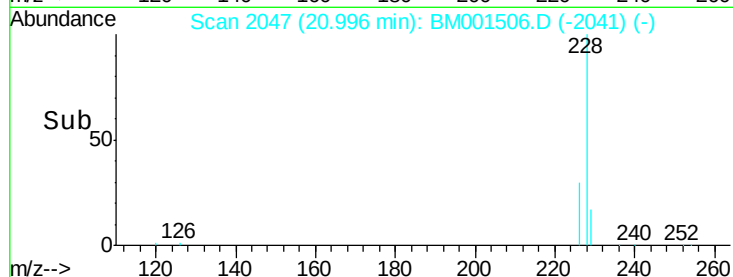
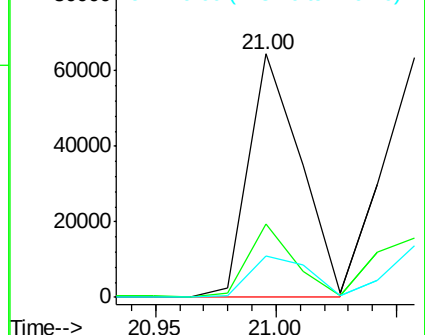
229 16.9 19.0 28.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#20

3,3'-Dichlorobenzidine

Concen: 8.78 ng

RT: 20.95 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

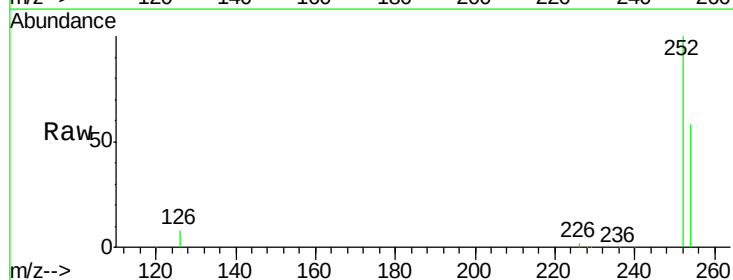
Tgt Ion:252 Resp: 37897

Ion Ratio Lower Upper

252 100

254 58.0 41.2 61.8

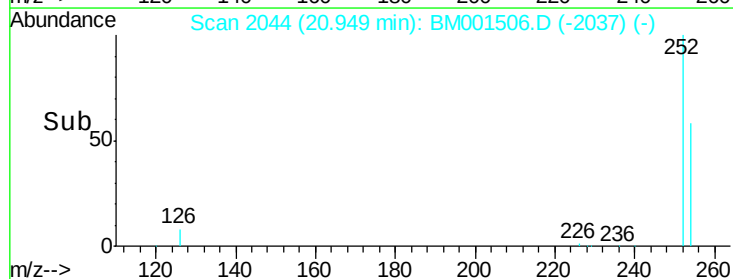
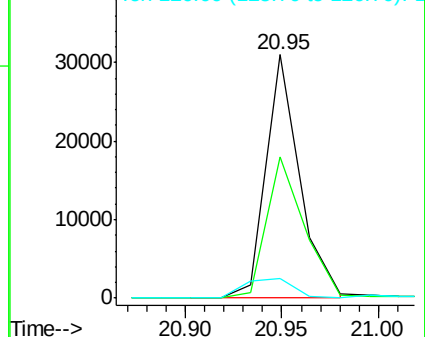
126 7.9 14.7 22.1#

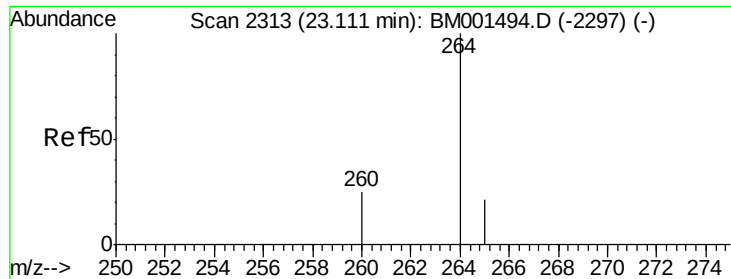


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#21
Perylene-d12
Concen: 5.00 ng
RT: 23.11 min Scan# 2317
Delta R.T. -0.00 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07

Instrument :
BNA_M
ClientSampleId :
PB83689BS

Tgt Ion: 264 Resp: 41270
Ion Ratio Lower Upper
264 100
260 25.0 19.8 29.8
265 21.6 18.0 27.0

