

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053115\
 Data File : BM001503.D
 Acq On : 31 May 2015 09:19
 Operator : TP/IZ
 Sample : G2438-03MS
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OM-SP-002-150528MS

Quant Time: Jun 01 05:50:52 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	14801	5.00	ng	0.00
6) Naphthalene-d8	10.15	136	57837	5.00	ng	0.00
9) Acenaphthene-d10	14.06	164	30503	5.00	ng	0.00
15) Phenanthrene-d10	16.80	188	60664	5.00	ng	0.00
17) Chrysene-d12	21.01	240	48626	5.00	ng	-0.01
21) Perylene-d12	23.11	264	43179	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	34402	11.81	ng	0.00
3) Phenol-d6	6.57	99	50976	13.42	ng	0.00
7) Nitrobenzene-d5	8.51	82	26049	8.34	ng	-0.03
10) 2,4,6-Tribromophenol	15.56	330	15600	14.43	ng	0.00
11) 2-Fluorobiphenyl	12.67	172	71355	8.07	ng	0.00
18) Terphenyl-d14	19.46	244	51782	7.96	ng	0.00

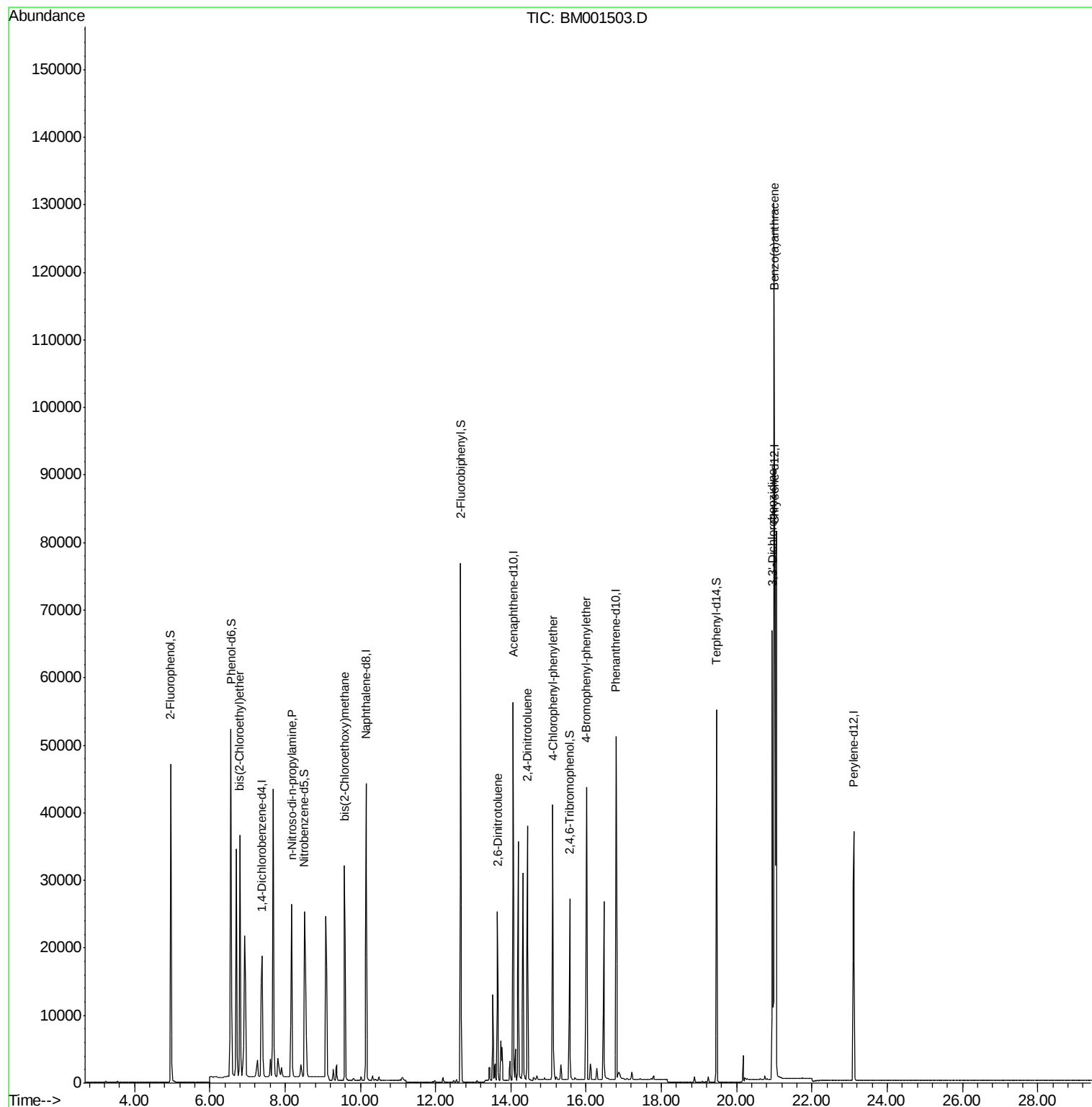
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.80	93	27237	9.29	ng	90
5) n-Nitroso-di-n-propylamine	8.18	70	20898	8.73	ng	91
8) bis(2-Chloroethoxy)methane	9.58	93	34110	9.14	ng	98
12) 2,6-Dinitrotoluene	13.65	165	16325	8.67	ng	# 69
13) 2,4-Dinitrotoluene	14.45	165	22511	9.32	ng	# 84
14) 4-Chlorophenyl-phenylether	15.12	204	38219	8.63	ng	# 70
16) 4-Bromophenyl-phenylether	16.01	248	22658	8.96	ng	# 87
19) Benzo(a)anthracene	21.00	228	109203	8.24	ng	# 88
20) 3,3'-Dichlorobenzidine	20.95	252	45193	10.44	ng	# 81

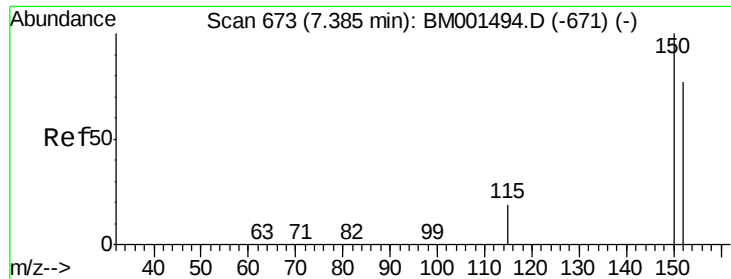
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001503.D

Acq: 31 May 2015 09:19

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528MS

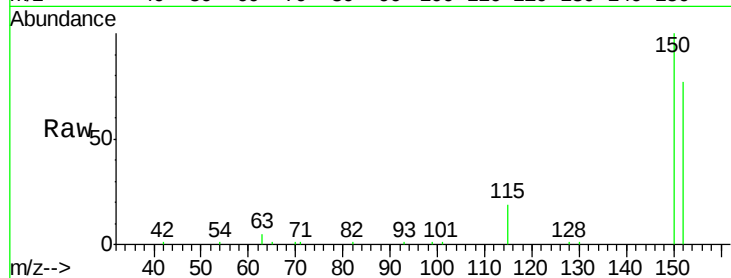
Tgt Ion:152 Resp: 14801

Ion Ratio Lower Upper

152 100

150 129.1 103.8 155.8

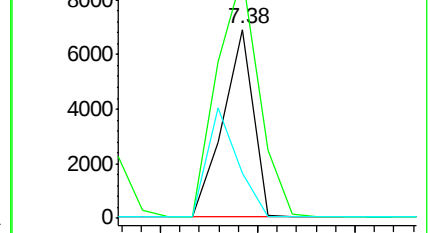
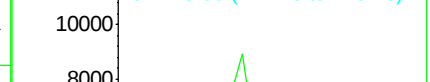
115 24.1 20.7 31.1



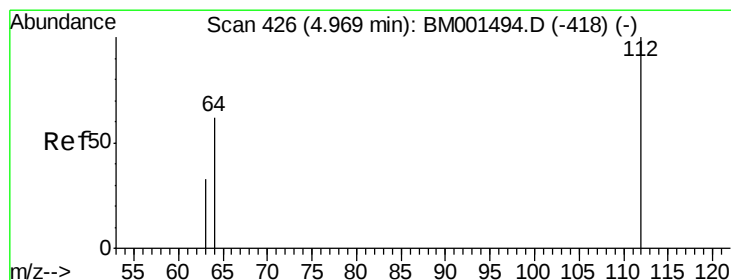
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

2-Fluorophenol

Concen: 11.81 ng

RT: 4.97 min Scan# 426

Delta R.T. -0.00 min

Lab File: BM001503.D

Acq: 31 May 2015 09:19

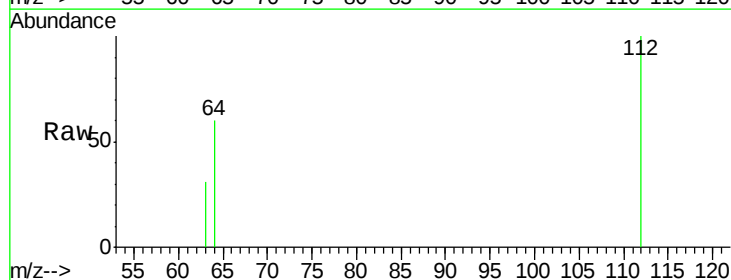
Tgt Ion:112 Resp: 34402

Ion Ratio Lower Upper

112 100

64 59.9 50.2 75.2

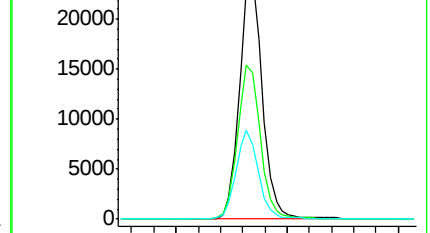
63 30.7 28.2 42.4



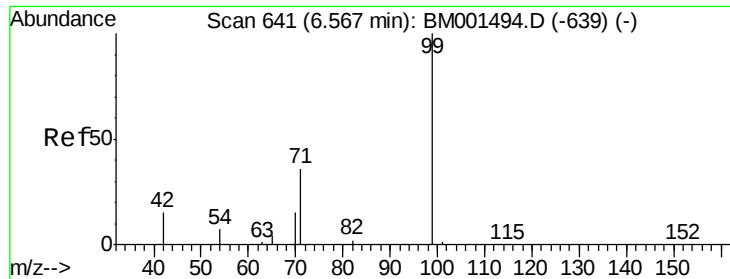
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



Time-->



#3

Phenol-d6

Concen: 13.42 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.00 min

Lab File: BM001503.D

Acq: 31 May 2015 09:19

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528MS

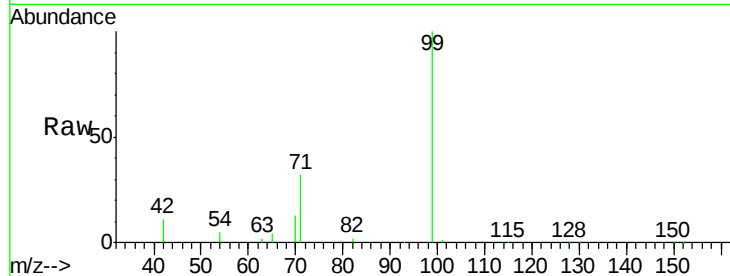
Tgt Ion: 99 Resp: 50976

Ion Ratio Lower Upper

99 100

42 11.2 15.2 22.8#

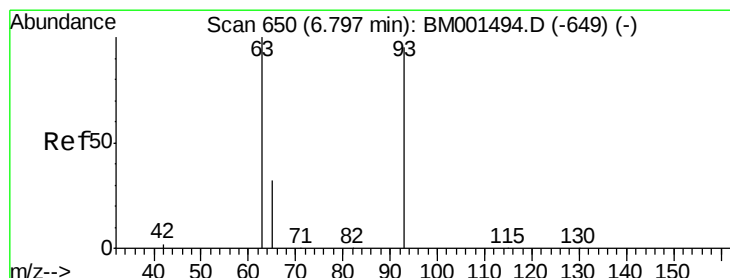
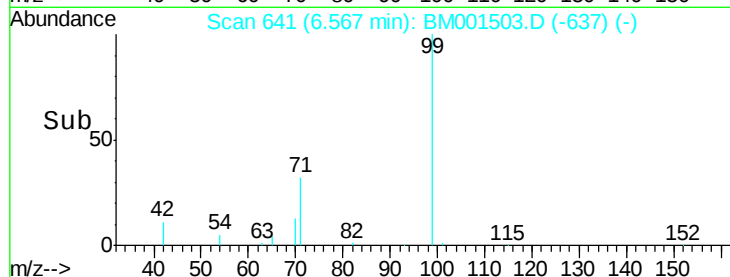
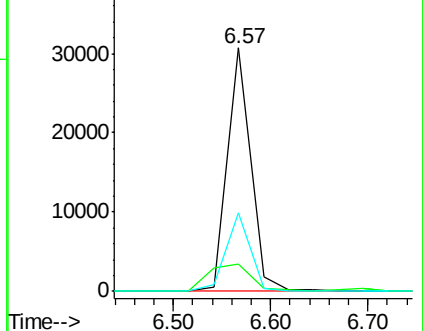
71 32.2 30.6 46.0



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) (-)



#4

bis(2-Chloroethyl)ether

Concen: 9.29 ng

RT: 6.80 min Scan# 650

Delta R.T. -0.00 min

Lab File: BM001503.D

Acq: 31 May 2015 09:19

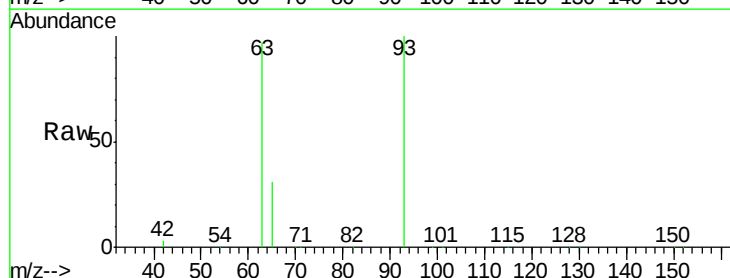
Tgt Ion: 93 Resp: 27237

Ion Ratio Lower Upper

93 100

63 96.7 86.8 126.8

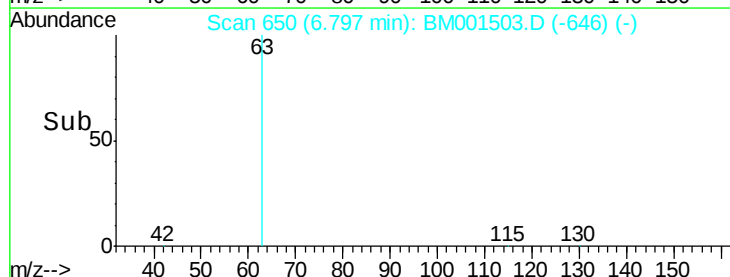
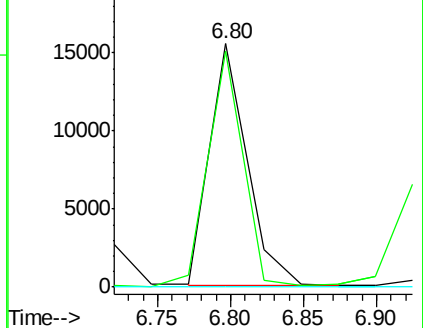
95 0.0 0.0 20.0

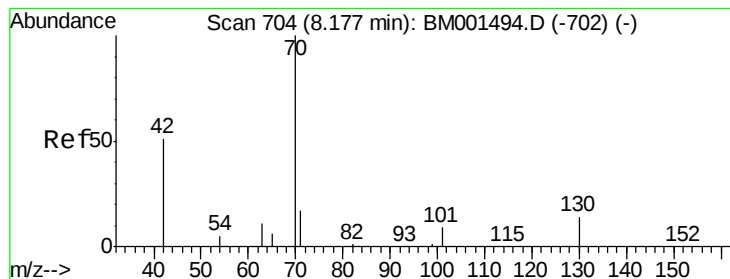


Abundance Ion 93.00 (92.70 to 93.70): BM001494.D (-649) (-)

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

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





#5

n-Nitroso-di-n-propylamine

Concen: 8.73 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001503.D

Acq: 31 May 2015 09:19

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528MS

Tgt Ion: 70 Resp: 20898

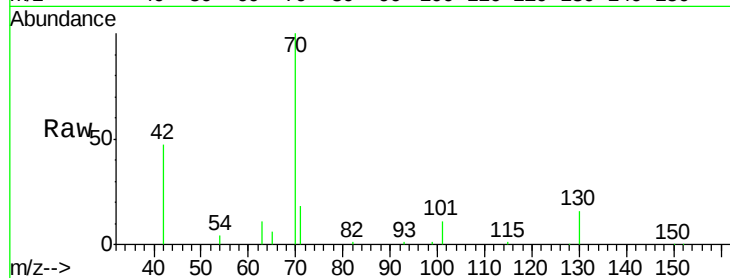
Ion Ratio Lower Upper

70 100

42 47.3 44.2 66.2

101 10.6 10.3 15.5

130 15.6 13.9 20.9

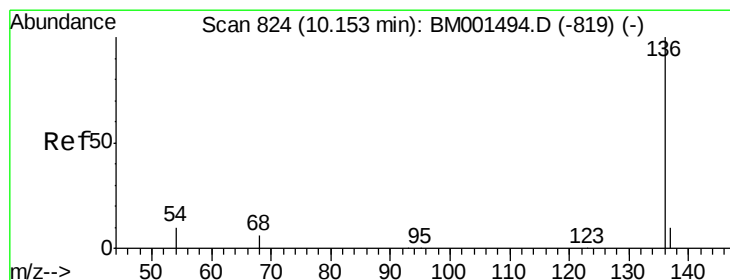
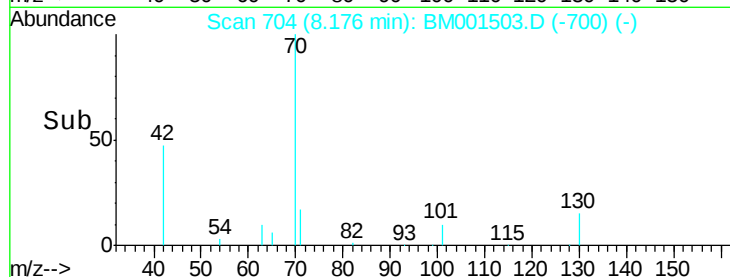
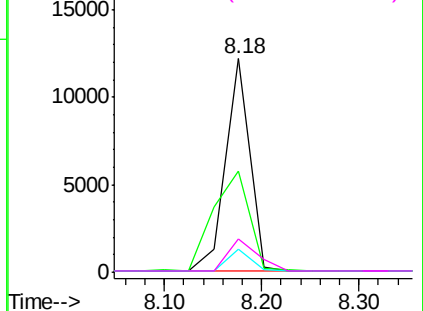


Abundance Ion 70.00 (69.70 to 70.70): BM001503.D (-700) (-)

Ion 42.00 (41.70 to 42.70): BM001503.D (-700) (-)

Ion 101.00 (100.70 to 101.70): BM001503.D (-700) (-)

Ion 130.00 (129.70 to 130.70): BM001503.D (-700) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.15 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM001503.D

Acq: 31 May 2015 09:19

Tgt Ion: 136 Resp: 57837

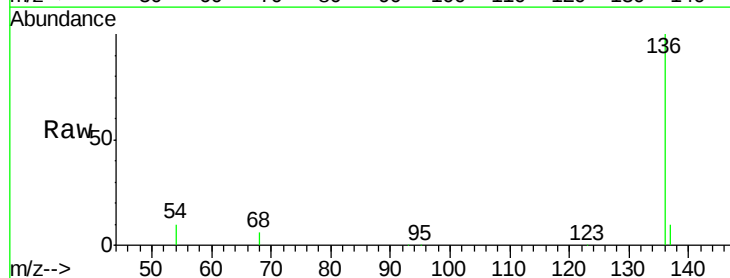
Ion Ratio Lower Upper

136 100

137 10.3 8.3 12.5

54 10.2 8.5 12.7

68 6.0 5.0 7.4

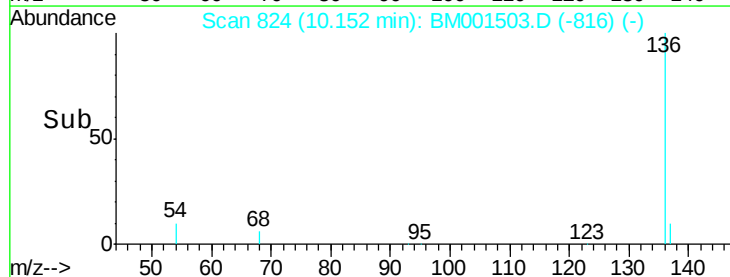
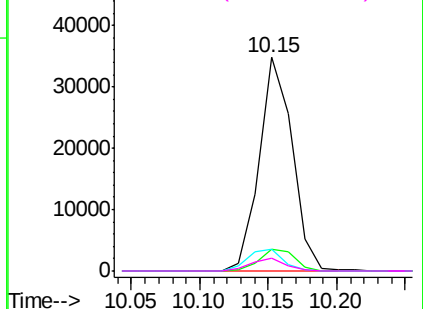


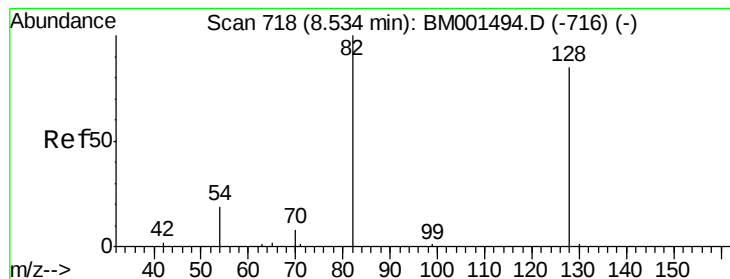
Abundance Ion 136.00 (135.70 to 136.70): BM001503.D (-816) (-)

Ion 137.00 (136.70 to 137.70): BM001503.D (-816) (-)

Ion 54.00 (53.70 to 54.70): BM001503.D (-816) (-)

Ion 68.00 (67.70 to 68.70): BM001503.D (-816) (-)





#7

Nitrobenzene-d5

Concen: 8.34 ng

RT: 8.51 min Scan# 717

Delta R.T. -0.03 min

Lab File: BM001503.D

Acq: 31 May 2015 09:19

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528MS

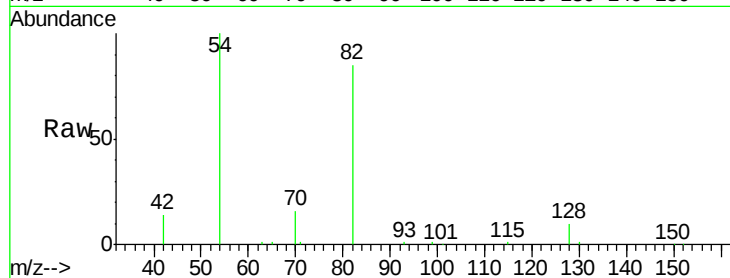
Tgt Ion: 82 Resp: 26049

Ion Ratio Lower Upper

82 100

128 11.8 68.2 102.2#

54 118.2 21.0 31.4#

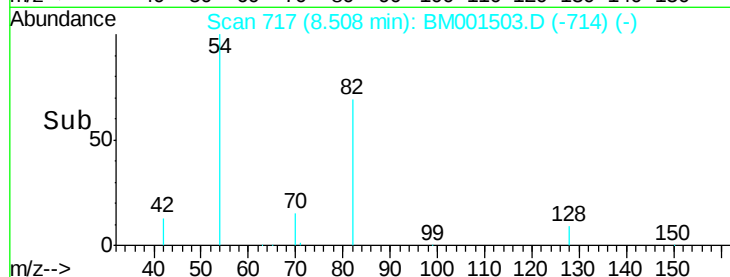


Abundance Ion 82.00 (81.70 to 82.70): BM001494.D (-716) (-)

Ion 128.00 (127.70 to 128.70): BM001494.D (-716) (-)

Ion 54.00 (53.70 to 54.70): BM001494.D (-716) (-)

Time-->

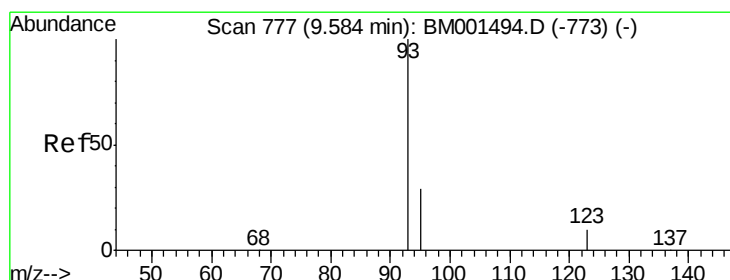


Abundance Ion 82.00 (81.70 to 82.70): BM001503.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BM001503.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BM001503.D (-714) (-)

Time-->



#8

bis(2-Chloroethoxy)methane

Concen: 9.14 ng

RT: 9.58 min Scan# 777

Delta R.T. -0.00 min

Lab File: BM001503.D

Acq: 31 May 2015 09:19

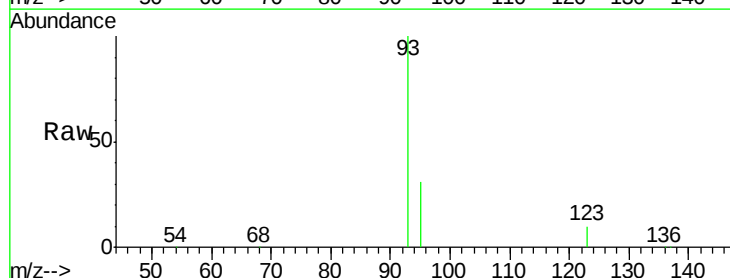
Tgt Ion: 93 Resp: 34110

Ion Ratio Lower Upper

93 100

95 30.7 25.0 37.6

123 10.2 9.5 14.3

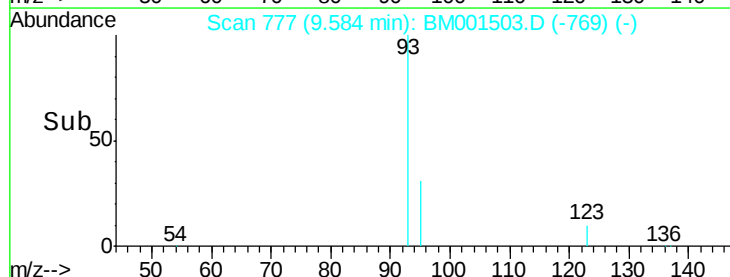


Abundance Ion 93.00 (92.70 to 93.70): BM001494.D (-773) (-)

Ion 95.00 (94.70 to 95.70): BM001494.D (-773) (-)

Ion 123.00 (122.70 to 123.70): BM001494.D (-773) (-)

Time-->

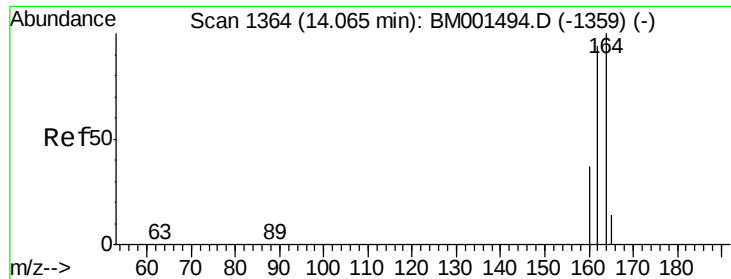


Abundance Ion 93.00 (92.70 to 93.70): BM001503.D (-769) (-)

Ion 95.00 (94.70 to 95.70): BM001503.D (-769) (-)

Ion 123.00 (122.70 to 123.70): BM001503.D (-769) (-)

Time-->



#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.06 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BM001503.D

Acq: 31 May 2015 09:19

Instrument :

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ClientSampleId :

OM-SP-002-150528MS

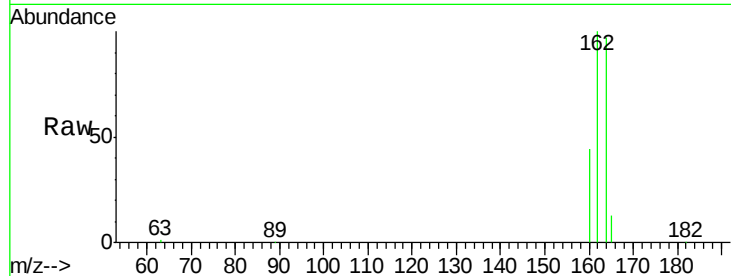
Tgt Ion:164 Resp: 30503

Ion Ratio Lower Upper

164 100

162 102.6 75.3 112.9

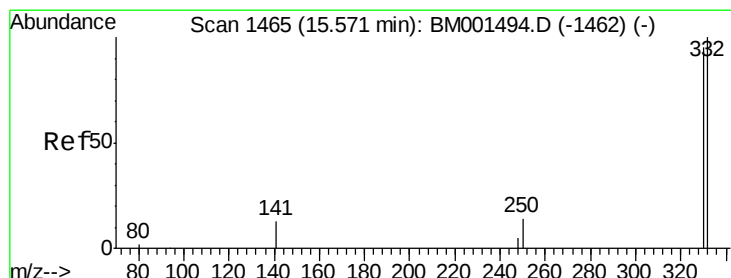
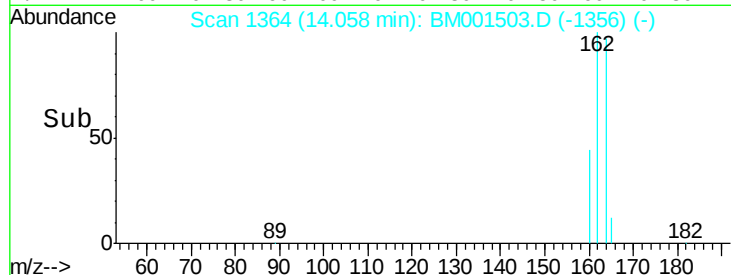
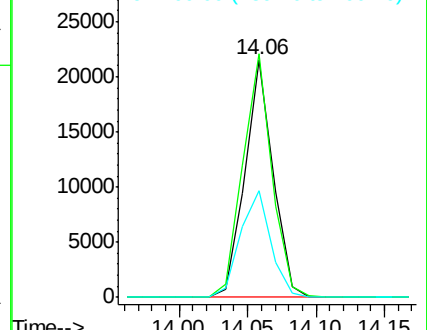
160 45.1 30.1 45.1



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: 14.43 ng

RT: 15.56 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BM001503.D

Acq: 31 May 2015 09:19

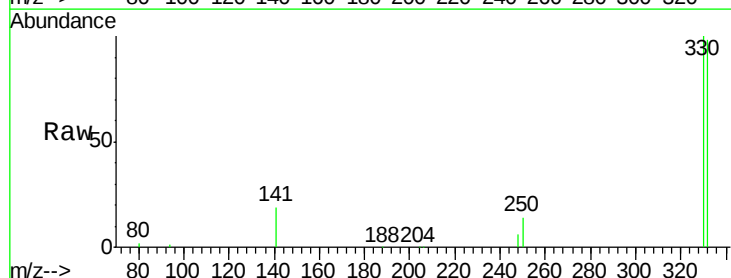
Tgt Ion:330 Resp: 15600

Ion Ratio Lower Upper

330 100

332 95.9 77.6 116.4

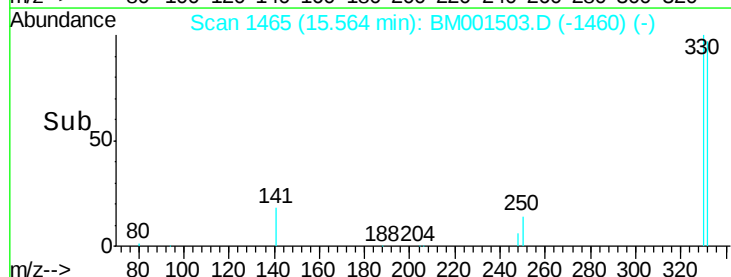
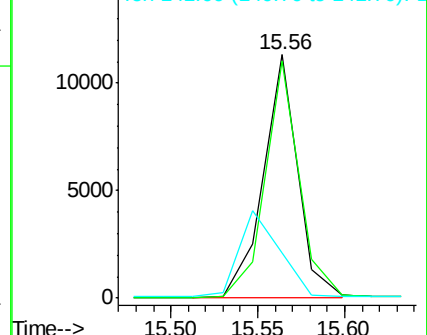
141 42.1 34.3 51.5

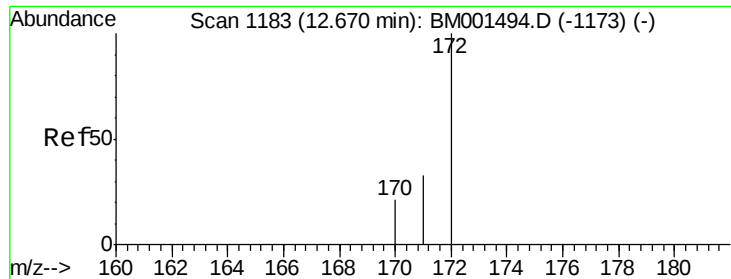


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

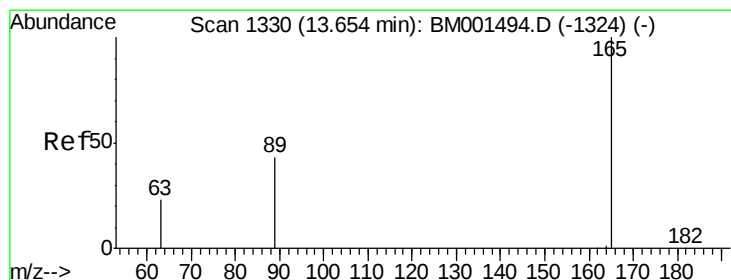
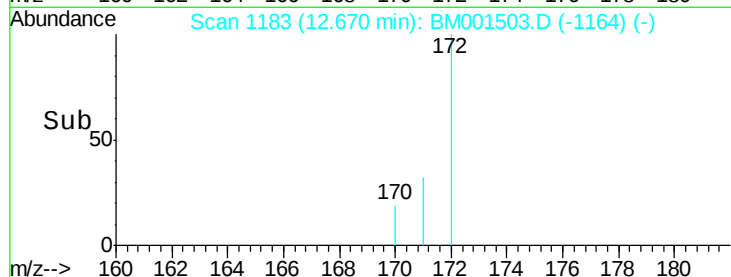
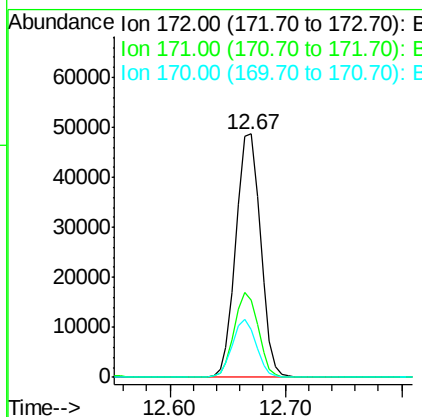
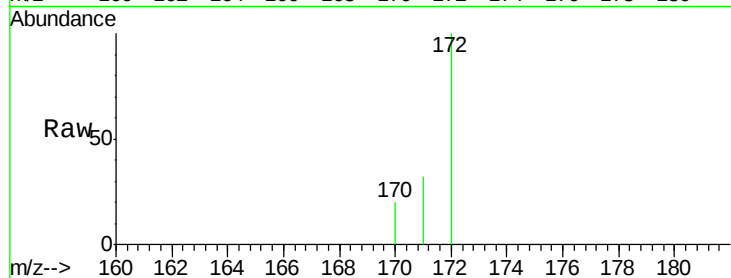




#11
2-Fluorobiphenyl
Concen: 8.07 ng
RT: 12.67 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BM001503.D
Acq: 31 May 2015 09:19

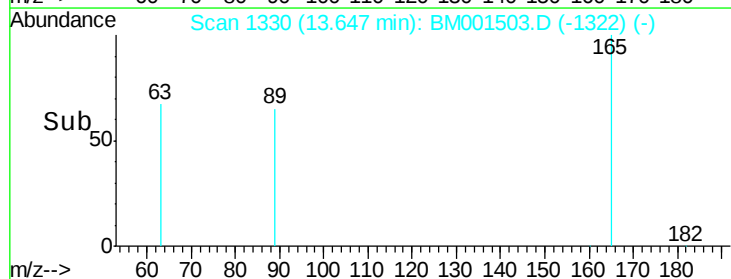
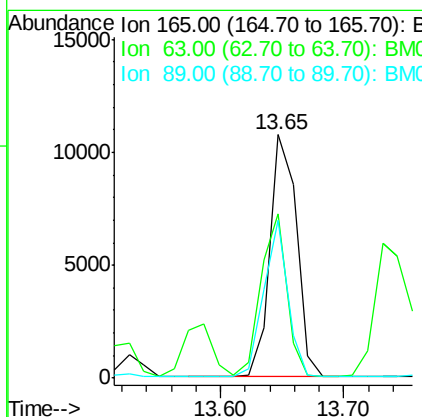
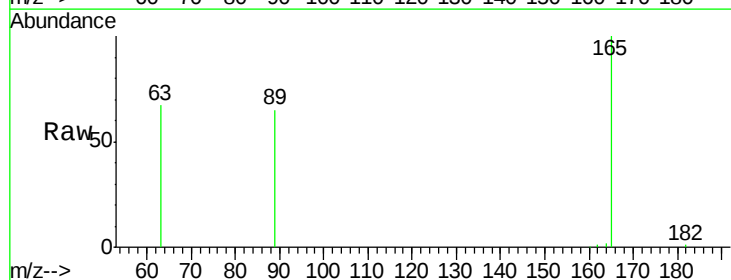
Instrument :
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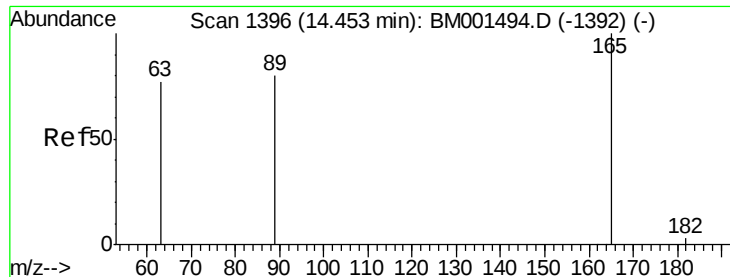
Tgt Ion:172 Resp: 71355
Ion Ratio Lower Upper
172 100
171 31.9 27.2 40.8
170 19.6 17.8 26.6



#12
2,6-Dinitrotoluene
Concen: 8.67 ng
RT: 13.65 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BM001503.D
Acq: 31 May 2015 09:19

Tgt Ion:165 Resp: 16325
Ion Ratio Lower Upper
165 100
63 67.3 35.3 52.9#
89 64.8 37.4 56.2#

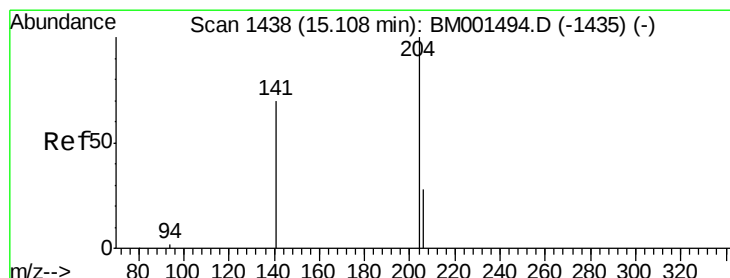
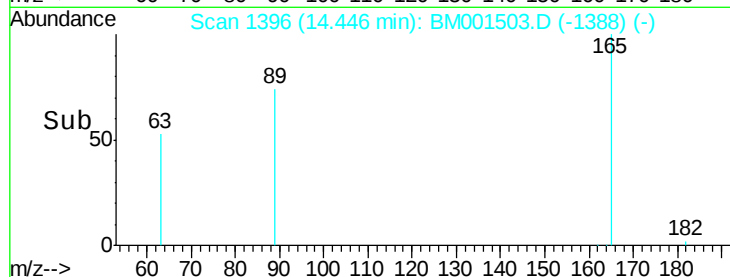
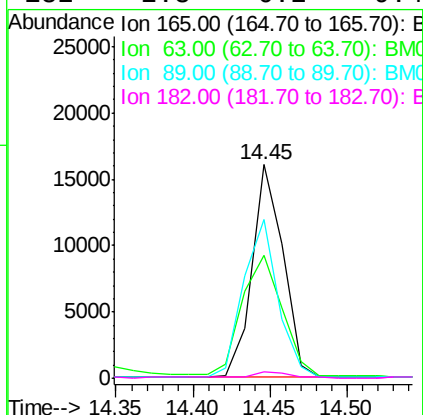
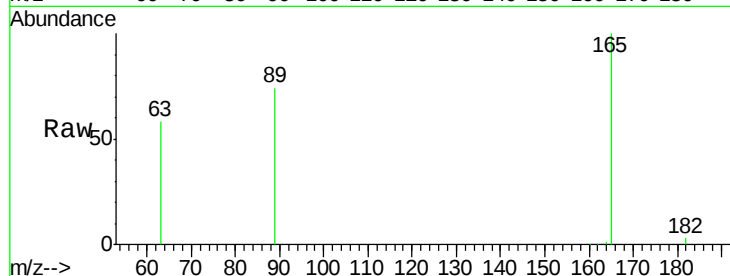




#13
 2,4-Dinitrotoluene
 Concen: 9.32 ng
 RT: 14.45 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BM001503.D
 Acq: 31 May 2015 09:19

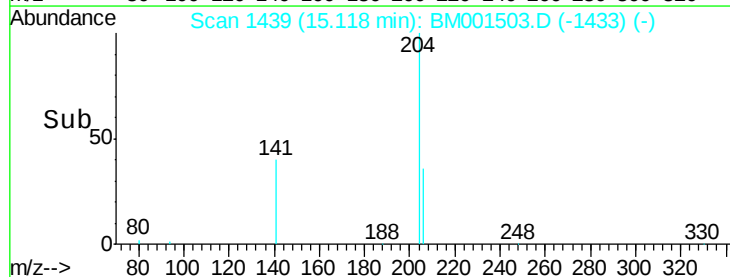
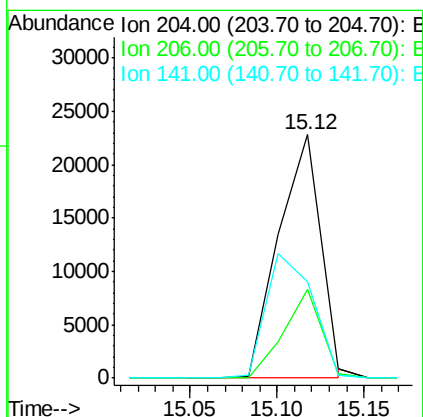
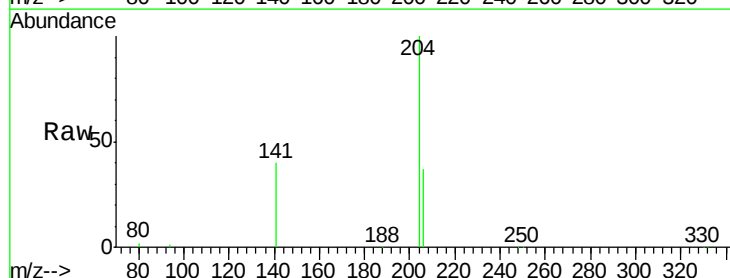
Instrument :
 BNA_M
 ClientSampleId :
 OM-SP-002-150528MS

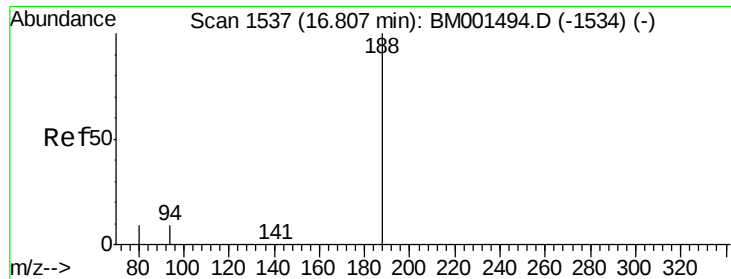
Tgt Ion	Ratio	Lower	Upper
165	100		
63	57.7	63.9	95.9#
89	74.2	65.0	97.6
182	2.8	6.2	9.4#



#14
 4-Chlorophenyl-phenylether
 Concen: 8.63 ng
 RT: 15.12 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BM001503.D
 Acq: 31 May 2015 09:19

Tgt Ion	Ratio	Lower	Upper
204	100		
206	36.6	23.8	35.6#
141	39.8	56.6	85.0#





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.80 min Scan# 1537

Delta R.T. -0.01 min

Lab File: BM001503.D

Acq: 31 May 2015 09:19

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528MS

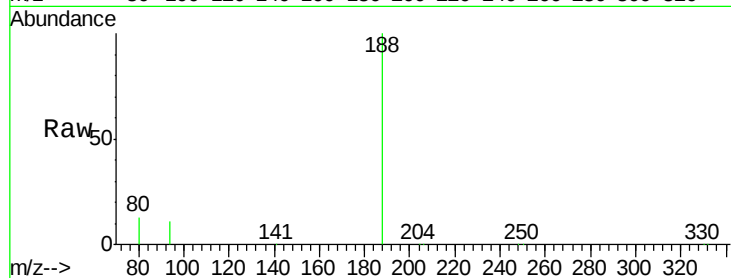
Tgt Ion:188 Resp: 60664

Ion Ratio Lower Upper

188 100

94 11.4 7.1 10.7#

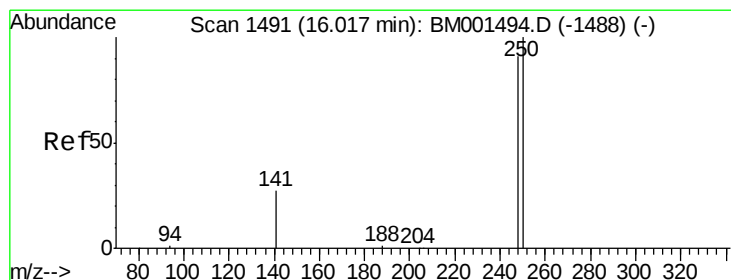
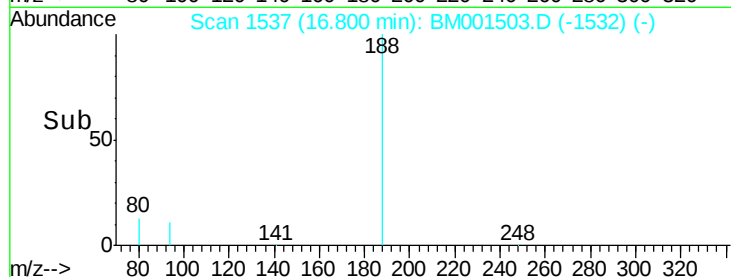
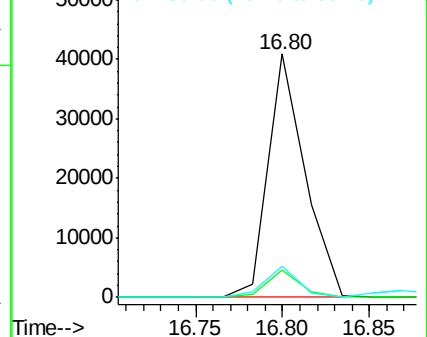
80 13.0 7.3 10.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#16

4-Bromophenyl-phenylether

Concen: 8.96 ng

RT: 16.01 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BM001503.D

Acq: 31 May 2015 09:19

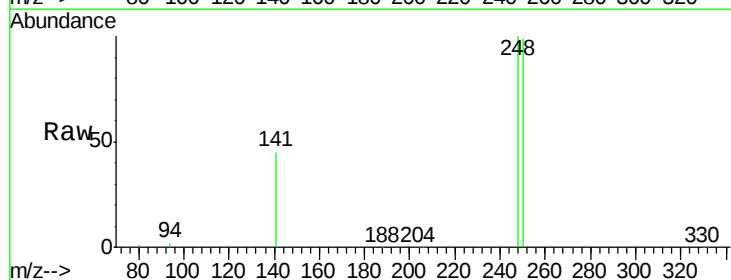
Tgt Ion:248 Resp: 22658

Ion Ratio Lower Upper

248 100

250 98.5 87.3 130.9

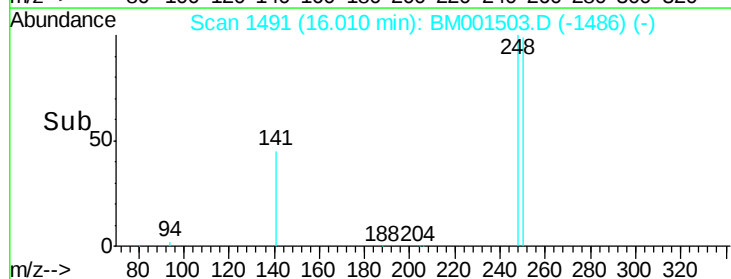
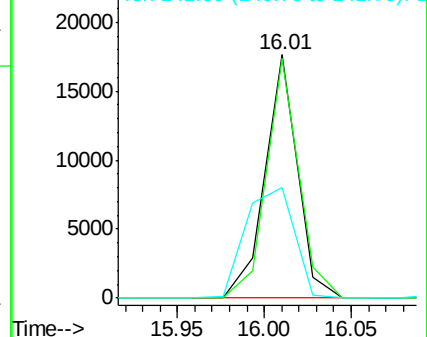
141 45.4 25.8 38.8#

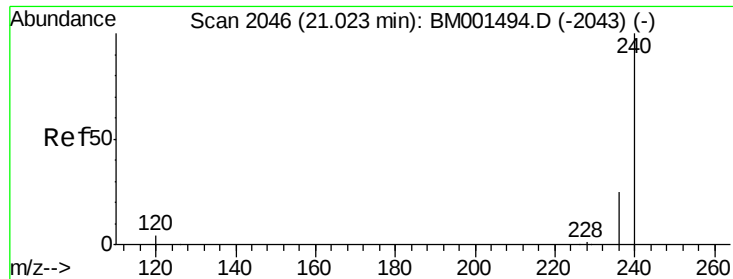


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

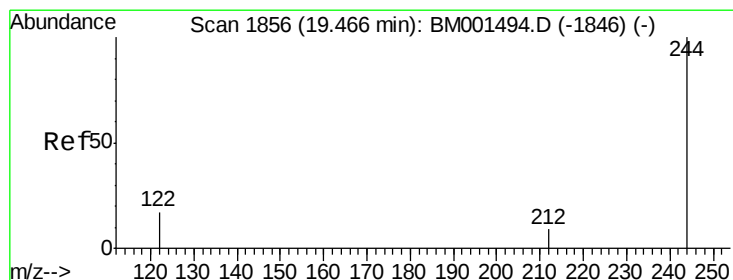
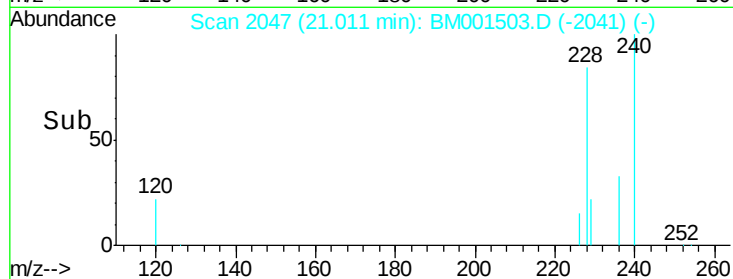
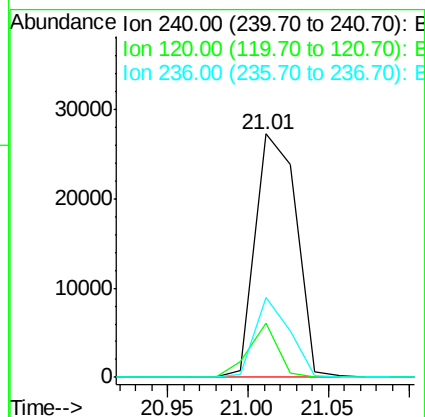
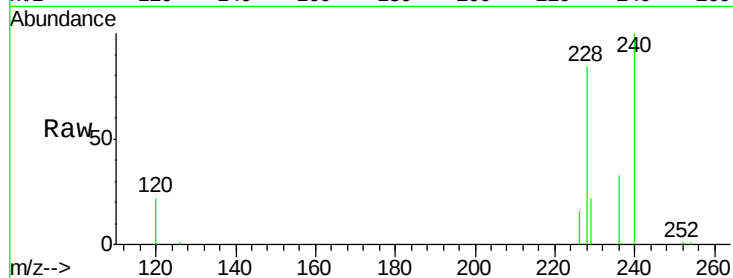




#17
Chrysene-d12
Concen: 5.00 ng
RT: 21.01 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BM001503.D
Acq: 31 May 2015 09:19

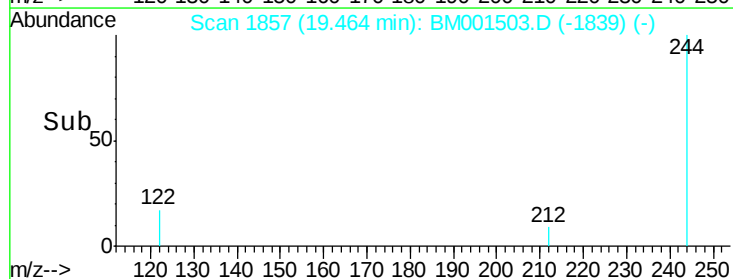
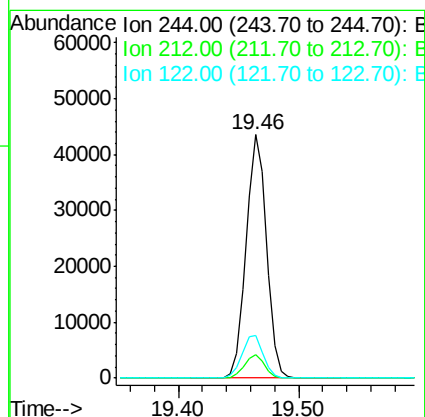
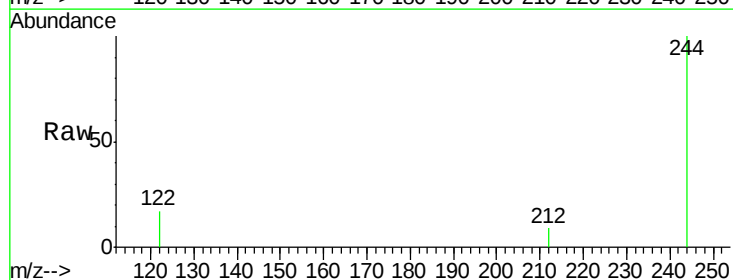
Instrument :
BNA_M
ClientSampleId :
OM-SP-002-150528MS

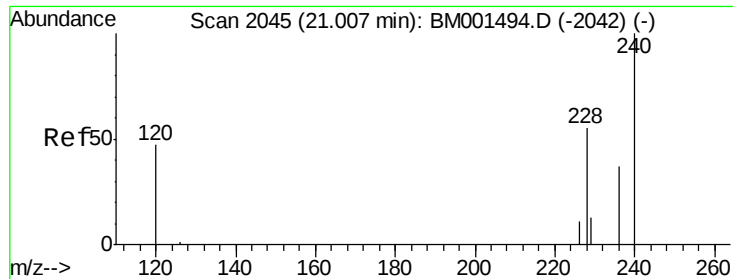
Tgt Ion:240 Resp: 48626
Ion Ratio Lower Upper
240 100
120 22.2 3.7 5.5#
236 32.8 19.8 29.8#



#18
Terphenyl-d14
Concen: 7.96 ng
RT: 19.46 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BM001503.D
Acq: 31 May 2015 09:19

Tgt Ion:244 Resp: 51782
Ion Ratio Lower Upper
244 100
212 9.4 8.0 12.0
122 17.5 14.1 21.1





#19

Benzo(a)anthracene

Concen: 8.24 ng

RT: 21.00 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BM001503.D

Acq: 31 May 2015 09:19

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528MS

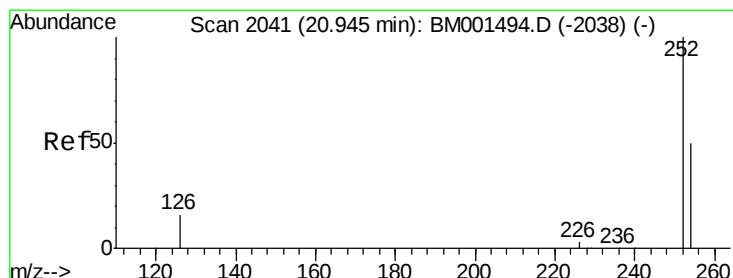
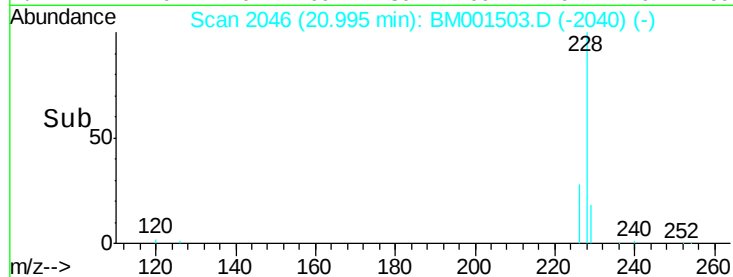
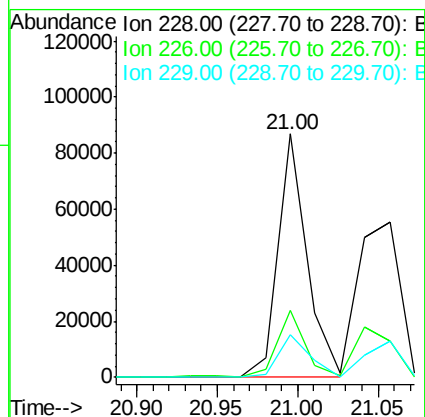
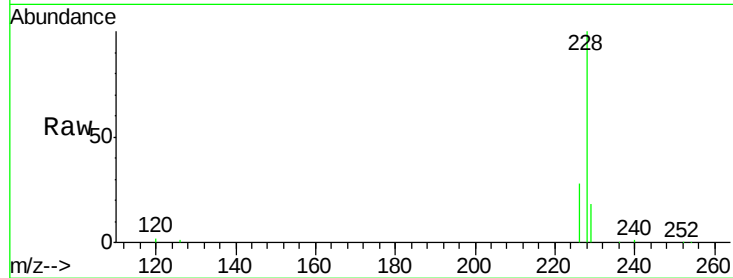
Tgt Ion: 228 Resp: 109203

Ion Ratio Lower Upper

228 100

226 27.7 17.5 26.3#

229 17.8 19.0 28.4#



#20

3,3'-Dichlorobenzidine

Concen: 10.44 ng

RT: 20.95 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BM001503.D

Acq: 31 May 2015 09:19

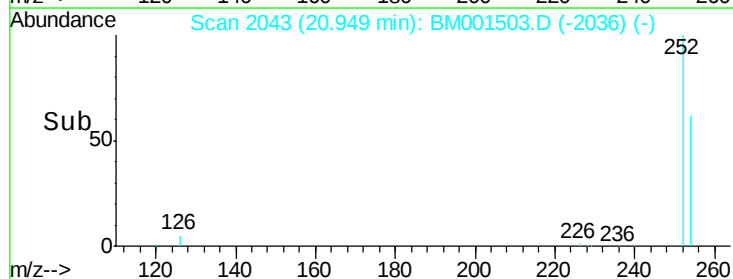
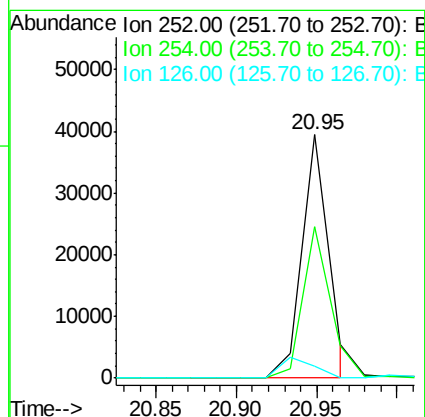
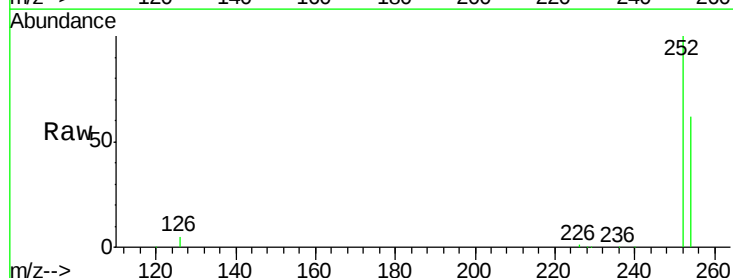
Tgt Ion: 252 Resp: 45193

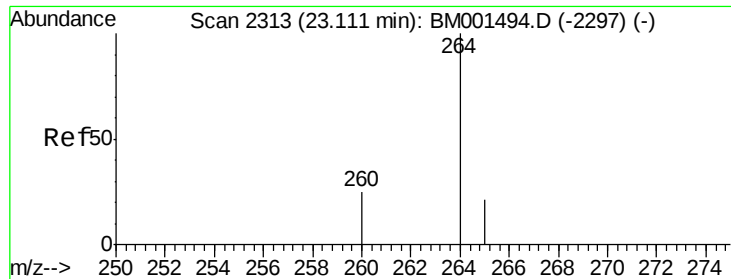
Ion Ratio Lower Upper

252 100

254 62.3 41.2 61.8#

126 5.0 14.7 22.1#





#21
Perylene-d12
Concen: 5.00 ng
RT: 23.11 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BM001503.D
Acq: 31 May 2015 09:19

Instrument :
BNA_M
ClientSampleId :
OM-SP-002-150528MS

Tgt Ion: 264 Resp: 43179
Ion Ratio Lower Upper
264 100
260 24.3 19.8 29.8
265 22.6 18.0 27.0

