

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053115\
 Data File : BM001502.D
 Acq On : 31 May 2015 08:43
 Operator : TP/IZ
 Sample : G2438-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Jun 01 05:50:41 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

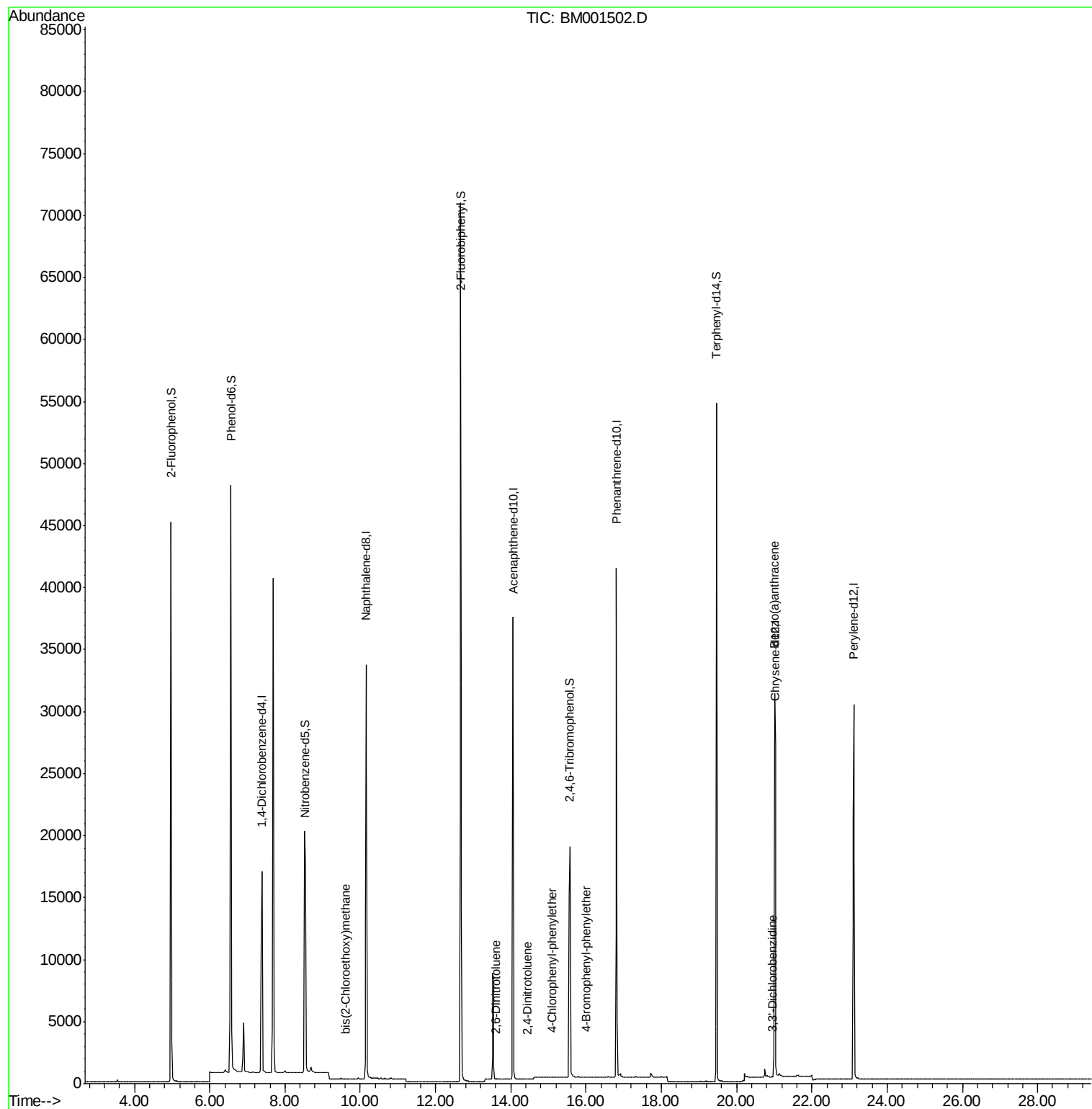
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	12890	5.00	ng	0.00
6) Naphthalene-d8	10.15	136	45225	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	23944	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	49005	5.00	ng	0.00
17) Chrysene-d12	21.03	240	39017	5.00	ng	0.00
21) Perylene-d12	23.11	264	36165	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.97	112	32683	12.88	ng	0.00
3) Phenol-d6	6.57	99	47186	14.26	ng	0.00
7) Nitrobenzene-d5	8.53	82	23022	9.42	ng	0.00
10) 2,4,6-Tribromophenol	15.57	330	13951	16.44	ng	0.00
11) 2-Fluorobiphenyl	12.67	172	66745	9.62	ng	0.00
18) Terphenyl-d14	19.46	244	50247	9.63	ng	0.00
Target Compounds						
8) bis(2-Chloroethoxy)methane	9.61	93	10	0.00	ng	# 1
12) 2,6-Dinitrotoluene	13.61	165	52	0.22	ng	# 71
13) 2,4-Dinitrotoluene	14.44	165	2	0.27	ng	# 64
14) 4-Chlorophenyl-phenylether	15.11	204	4	0.00	ng	# 24
16) 4-Bromophenyl-phenylether	16.00	248	2	0.00	ng	# 58
19) Benzo(a)anthracene	21.01	228	173	0.02	ng	# 50
20) 3,3'-Dichlorobenzidine	20.95	252	4	0.00	ng	# 6

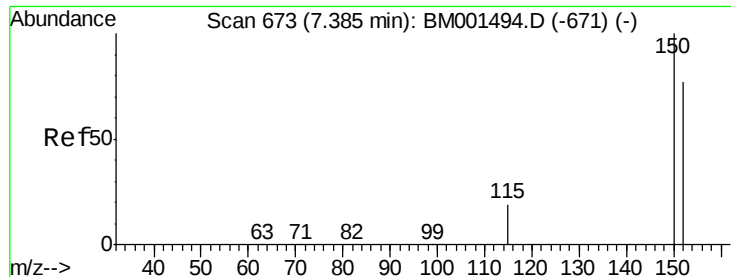
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001502.D

Acq: 31 May 2015 08:43

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528

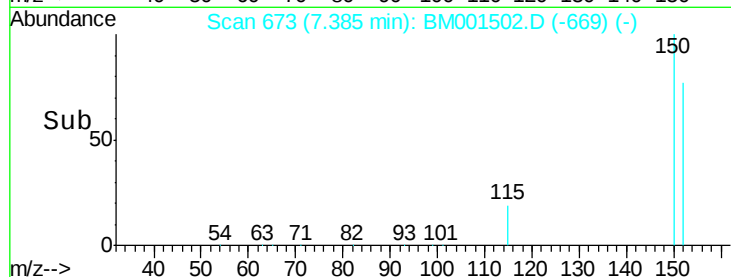
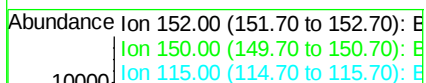
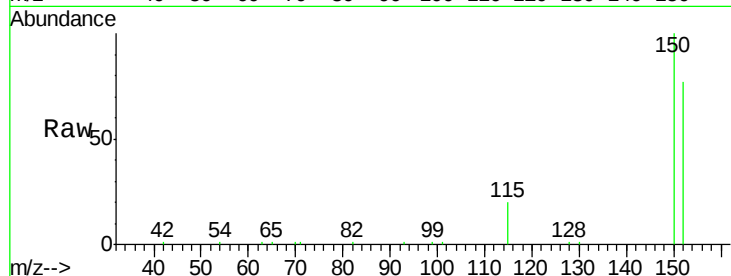
Tgt Ion:152 Resp: 12890

Ion Ratio Lower Upper

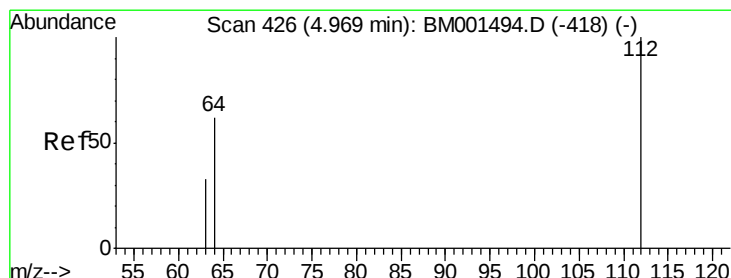
152 100

150 129.6 103.8 155.8

115 25.6 20.7 31.1



Time-->



#2

2-Fluorophenol

Concen: 12.88 ng

RT: 4.97 min Scan# 426

Delta R.T. 0.00 min

Lab File: BM001502.D

Acq: 31 May 2015 08:43

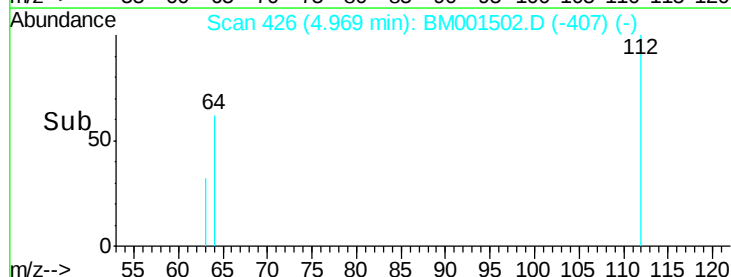
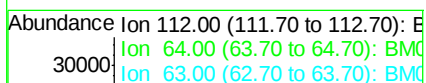
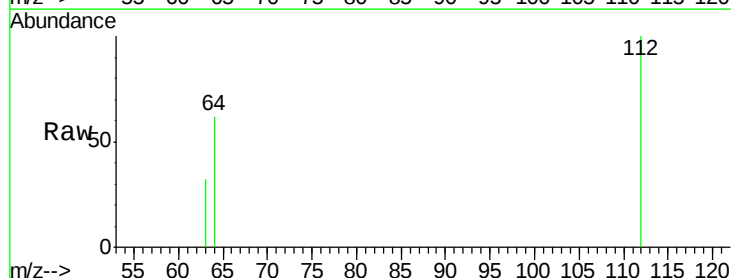
Tgt Ion:112 Resp: 32683

Ion Ratio Lower Upper

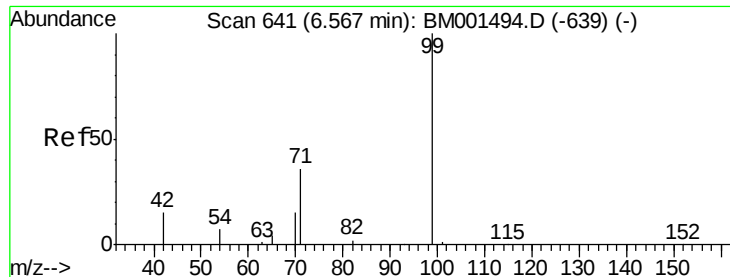
112 100

64 61.6 50.2 75.2

63 32.3 28.2 42.4



Time-->



#3

Phenol-d6

Concen: 14.26 ng

RT: 6.57 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM001502.D

Acq: 31 May 2015 08:43

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528

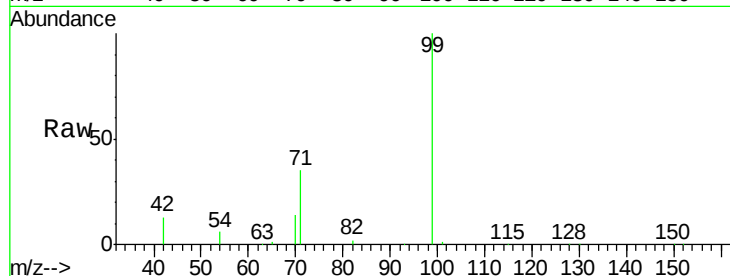
Tgt Ion: 99 Resp: 47186

Ion Ratio Lower Upper

99 100

42 13.2 15.2 22.8#

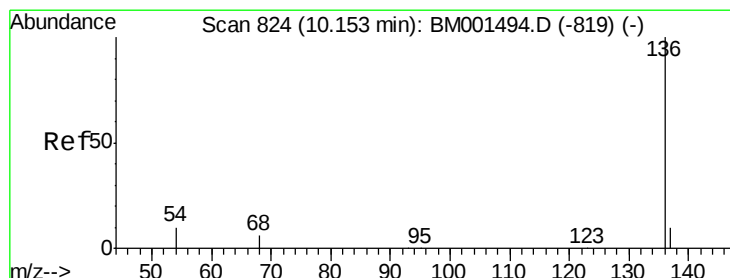
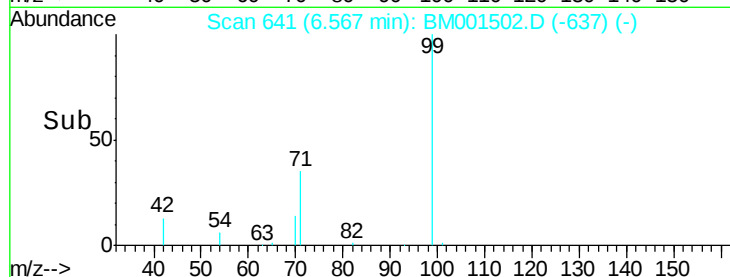
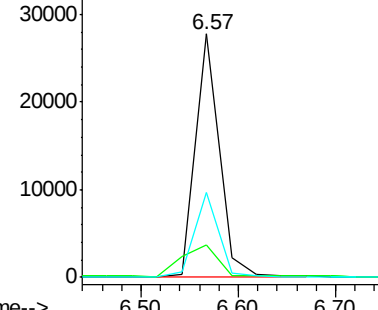
71 34.8 30.6 46.0



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) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.15 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM001502.D

Acq: 31 May 2015 08:43

Tgt Ion: 136 Resp: 45225

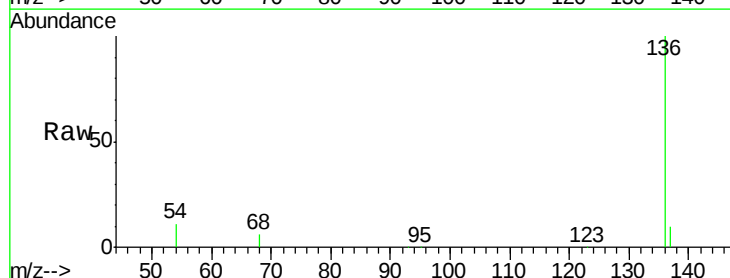
Ion Ratio Lower Upper

136 100

137 10.5 8.3 12.5

54 11.0 8.5 12.7

68 6.4 5.0 7.4

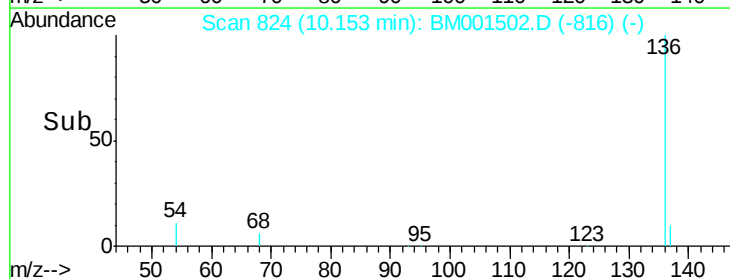
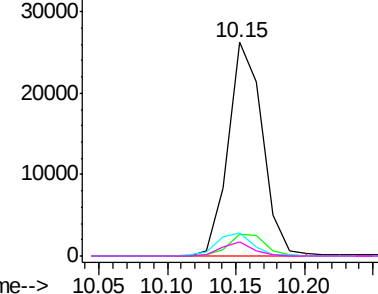


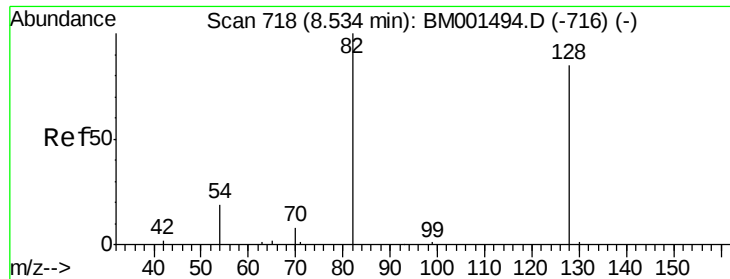
Abundance Ion 136.00 (135.70 to 136.70): BM001494.D (-819) (-)

Ion 137.00 (136.70 to 137.70): BM001494.D (-819) (-)

Ion 54.00 (53.70 to 54.70): BM001494.D (-819) (-)

Ion 68.00 (67.70 to 68.70): BM001494.D (-819) (-)





#7

Nitrobenzene-d5

Concen: 9.42 ng

RT: 8.53 min Scan# 718

Delta R.T. -0.00 min

Lab File: BM001502.D

Acq: 31 May 2015 08:43

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528

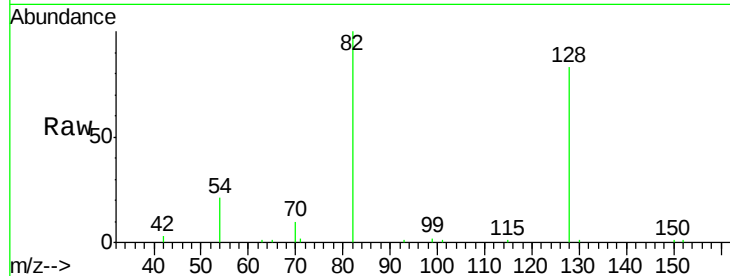
Tgt Ion: 82 Resp: 23022

Ion Ratio Lower Upper

82 100

128 82.7 68.2 102.2

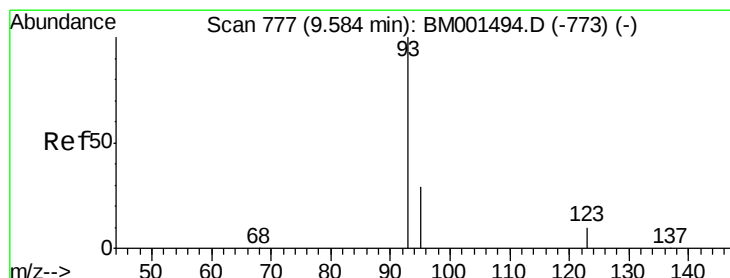
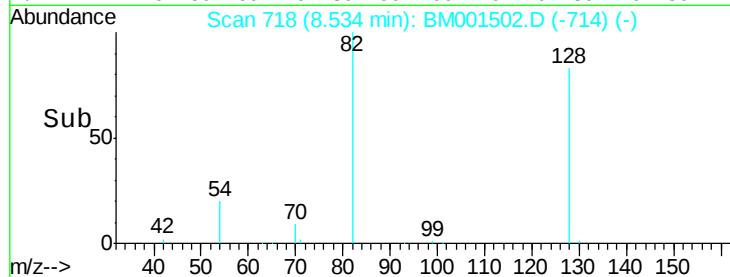
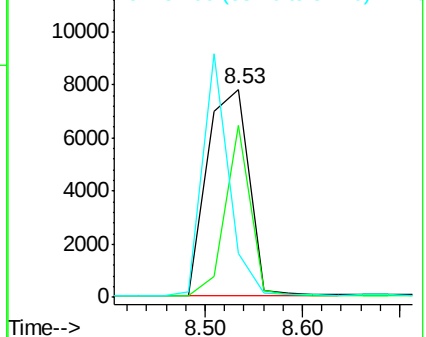
54 21.0 21.0 31.4



Abundance Ion 82.00 (81.70 to 82.70): BM001502.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BM001502.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BM001502.D (-714) (-)



#8

bis(2-Chloroethoxy)methane

Concen: 0.00 ng

RT: 9.61 min Scan# 779

Delta R.T. 0.02 min

Lab File: BM001502.D

Acq: 31 May 2015 08:43

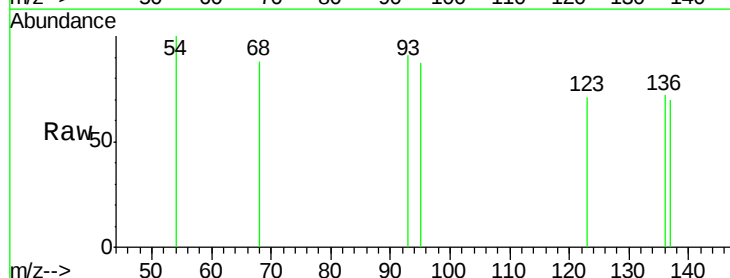
Tgt Ion: 93 Resp: 10

Ion Ratio Lower Upper

93 100

95 95.2 25.0 37.6#

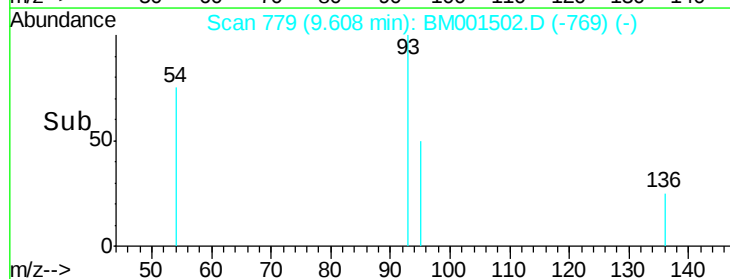
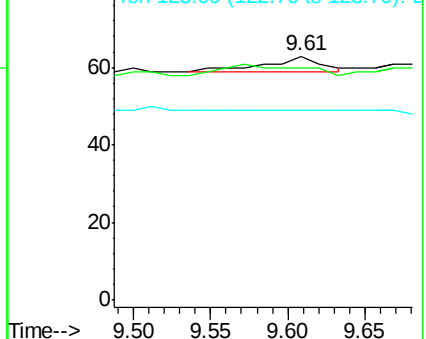
123 77.8 9.5 14.3#

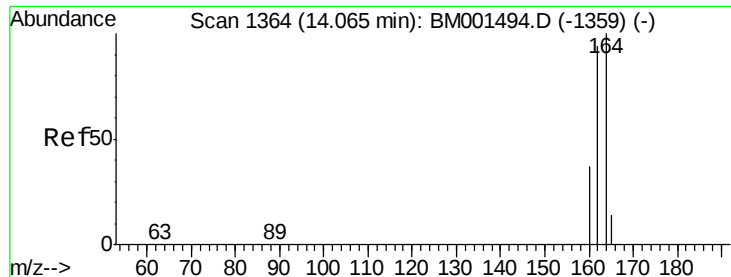


Abundance Ion 93.00 (92.70 to 93.70): BM001502.D (-769) (-)

Ion 95.00 (94.70 to 95.70): BM001502.D (-769) (-)

Ion 123.00 (122.70 to 123.70): BM001502.D (-769) (-)





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BM001502.D

Acq: 31 May 2015 08:43

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528

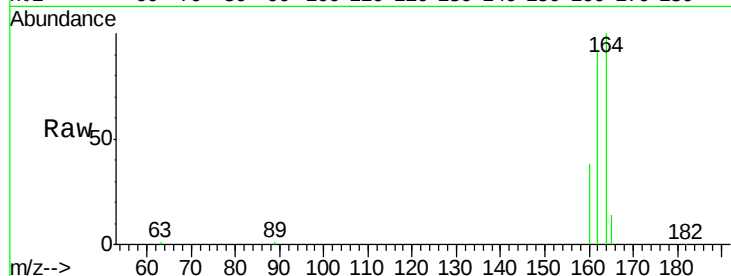
Tgt Ion:164 Resp: 23944

Ion Ratio Lower Upper

164 100

162 92.2 75.3 112.9

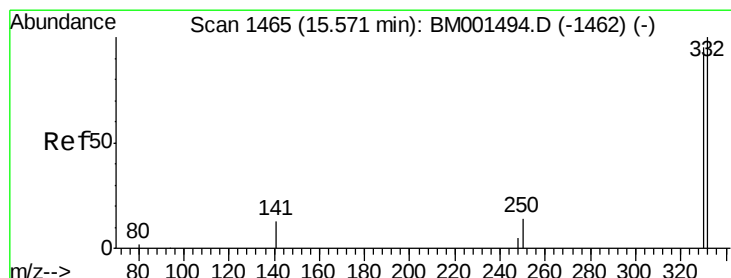
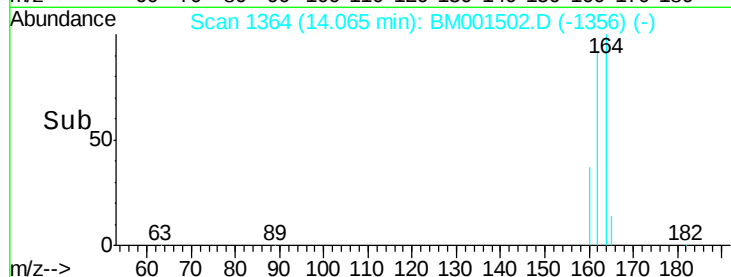
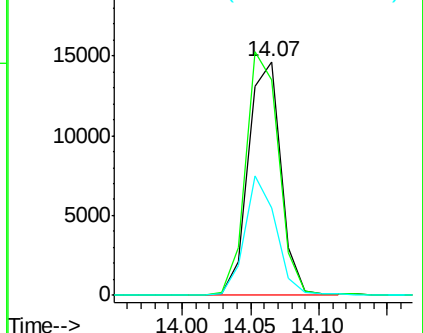
160 37.5 30.1 45.1



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: 16.44 ng

RT: 15.57 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM001502.D

Acq: 31 May 2015 08:43

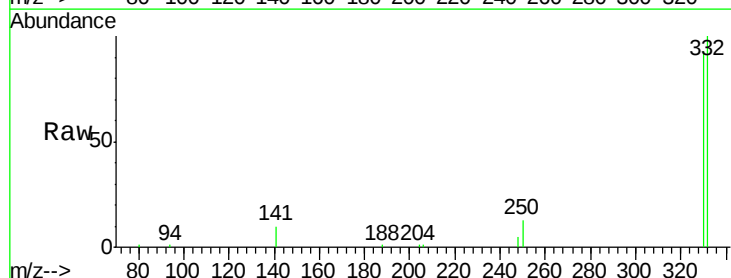
Tgt Ion:330 Resp: 13951

Ion Ratio Lower Upper

330 100

332 96.2 77.6 116.4

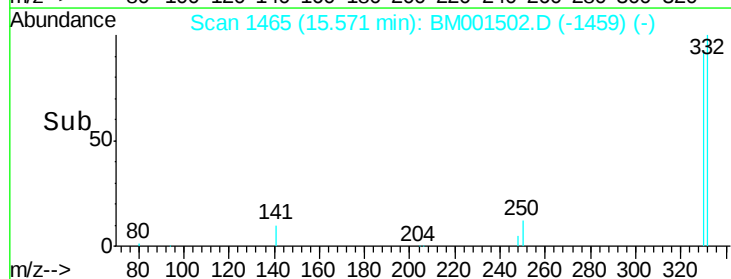
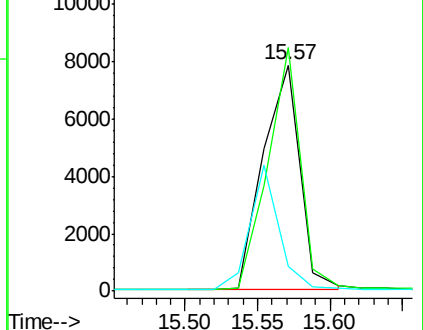
141 43.4 34.3 51.5

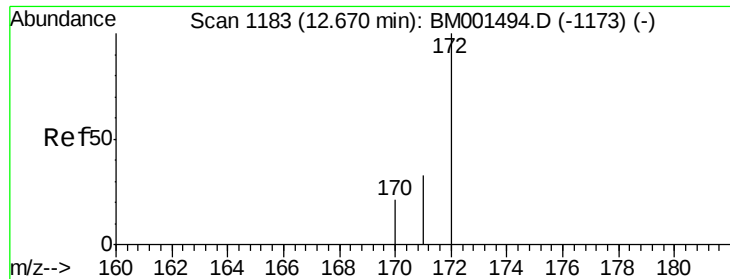


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

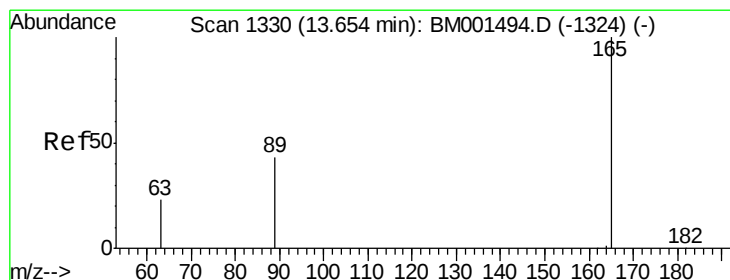
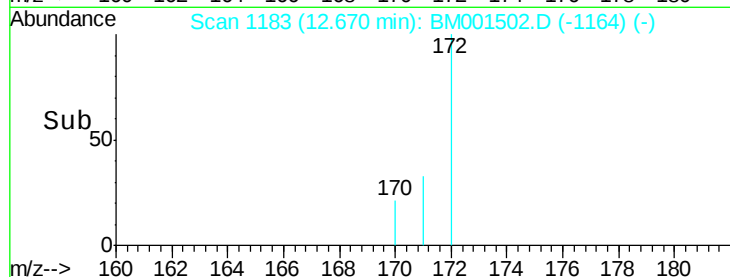
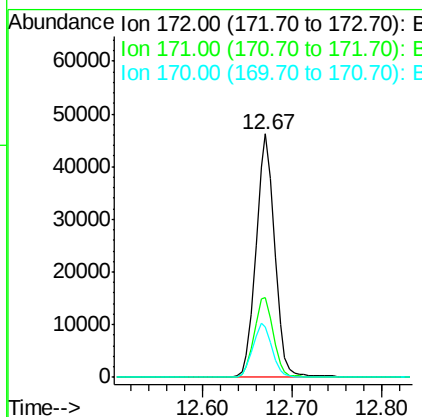
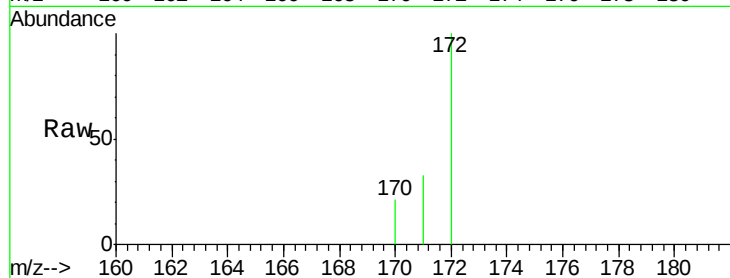




#11
2-Fluorobiphenyl
Concen: 9.62 ng
RT: 12.67 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BM001502.D
Acq: 31 May 2015 08:43

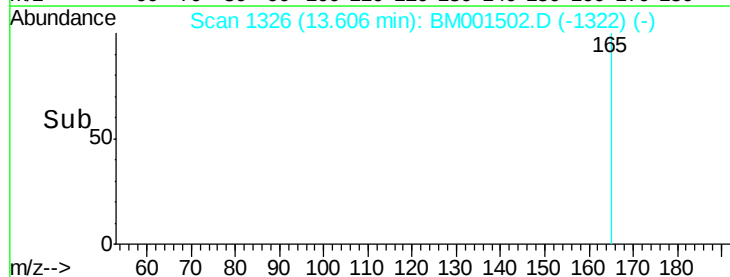
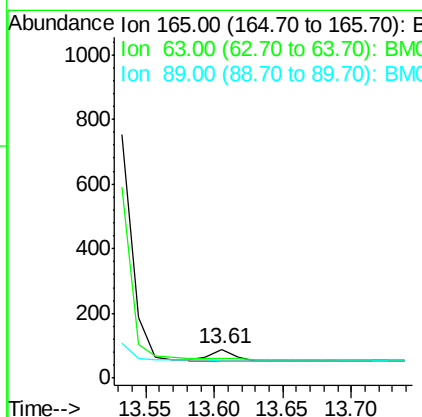
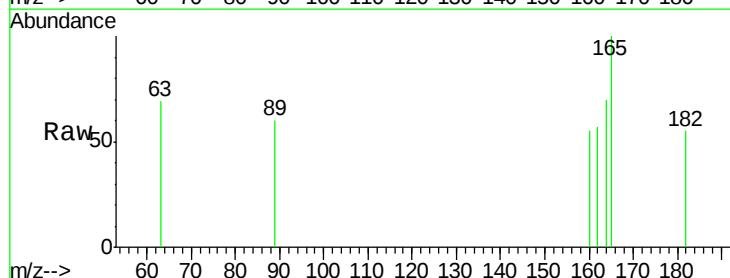
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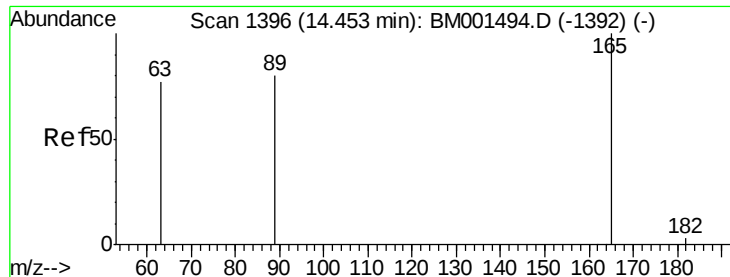
Tgt Ion:172 Resp: 66745
Ion Ratio Lower Upper
172 100
171 32.8 27.2 40.8
170 20.9 17.8 26.6



#12
2,6-Dinitrotoluene
Concen: 0.22 ng
RT: 13.61 min Scan# 1326
Delta R.T. -0.05 min
Lab File: BM001502.D
Acq: 31 May 2015 08:43

Tgt Ion:165 Resp: 52
Ion Ratio Lower Upper
165 100
63 69.3 35.3 52.9#
89 60.2 37.4 56.2#

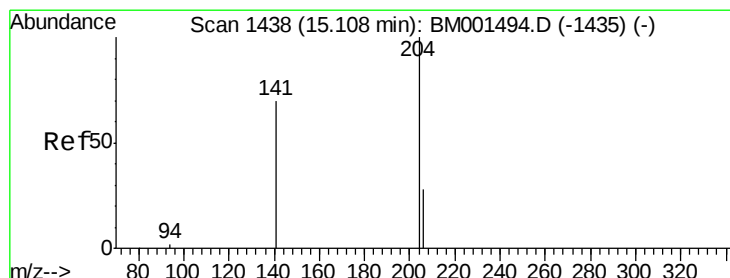
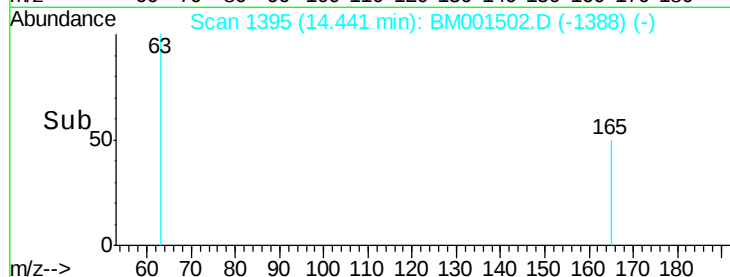
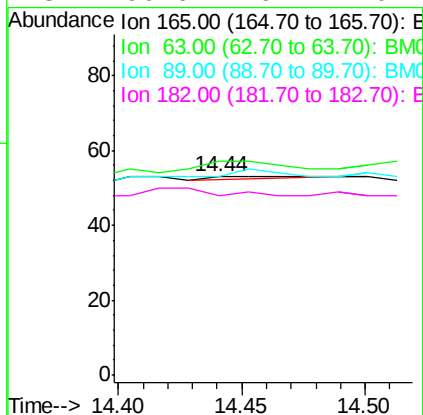
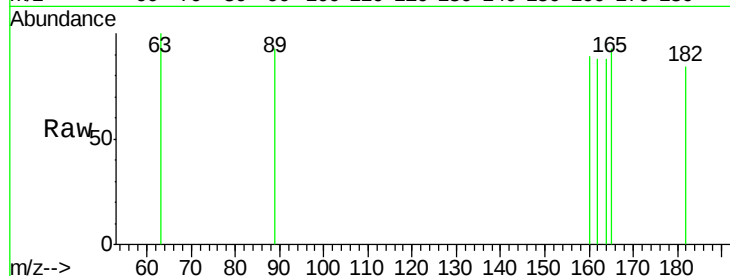




#13
2,4-Dinitrotoluene
Concen: 0.27 ng
RT: 14.44 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BM001502.D
Acq: 31 May 2015 08:43

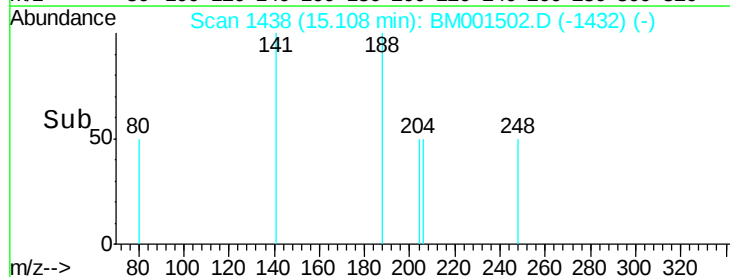
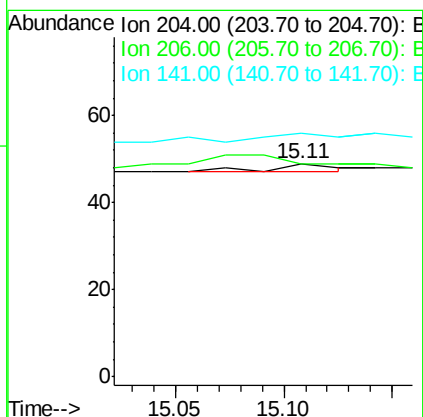
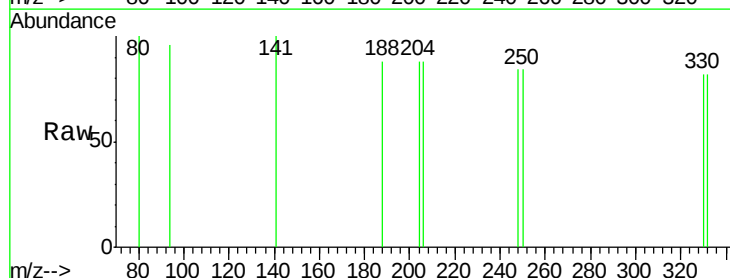
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BNA_M
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OM-SP-002-150528

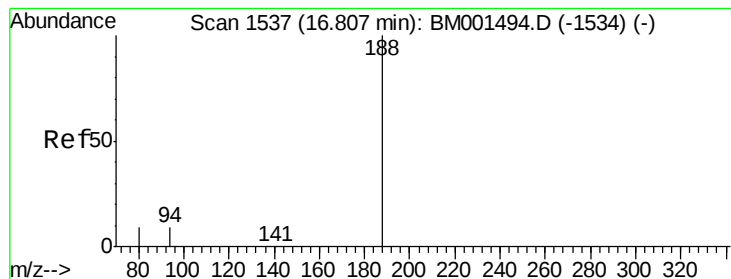
Tgt Ion:	165	Resp:	2
Ion	Ratio	Lower	Upper
165	100		
63	107.5	63.9	95.9#
89	100.0	65.0	97.6#
182	90.6	6.2	9.4#



#14
4-Chlorophenyl-phenylether
Concen: 0.00 ng
RT: 15.11 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BM001502.D
Acq: 31 May 2015 08:43

Tgt Ion:	204	Resp:	4
Ion	Ratio	Lower	Upper
204	100		
206	100.0	23.8	35.6#
141	114.3	56.6	85.0#





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.81 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BM001502.D

Acq: 31 May 2015 08:43

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528

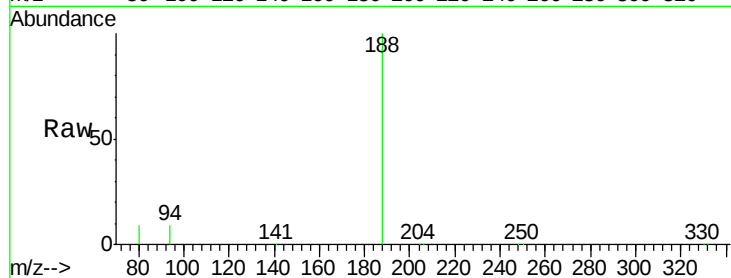
Tgt Ion:188 Resp: 49005

Ion Ratio Lower Upper

188 100

94 8.9 7.1 10.7

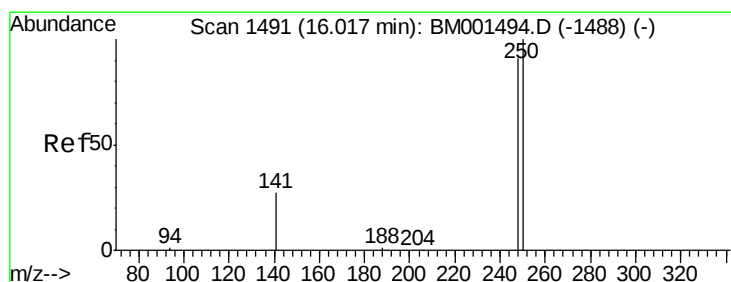
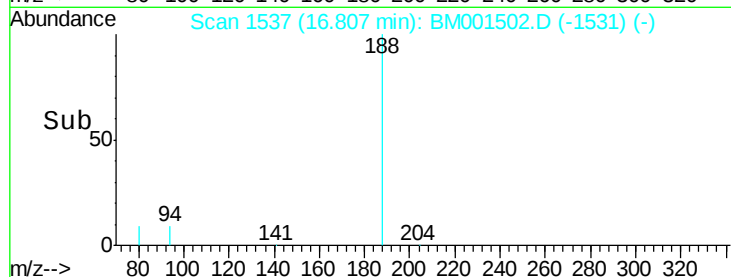
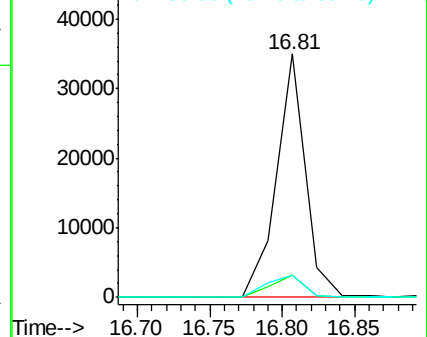
80 8.9 7.3 10.9



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: 0.00 ng

RT: 16.00 min Scan# 1490

Delta R.T. -0.02 min

Lab File: BM001502.D

Acq: 31 May 2015 08:43

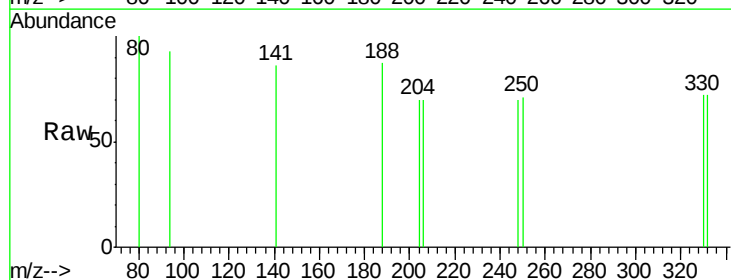
Tgt Ion:248 Resp: 2

Ion Ratio Lower Upper

248 100

250 102.1 87.3 130.9

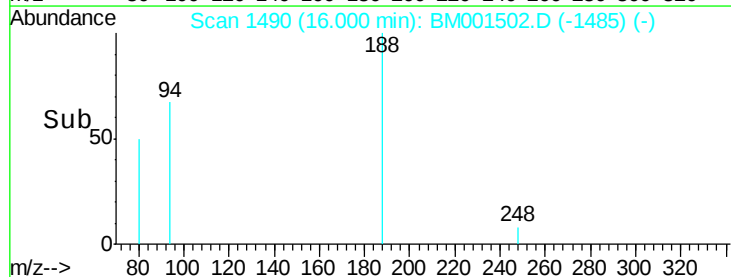
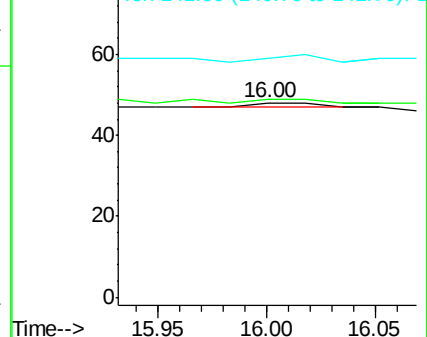
141 122.9 25.8 38.8#

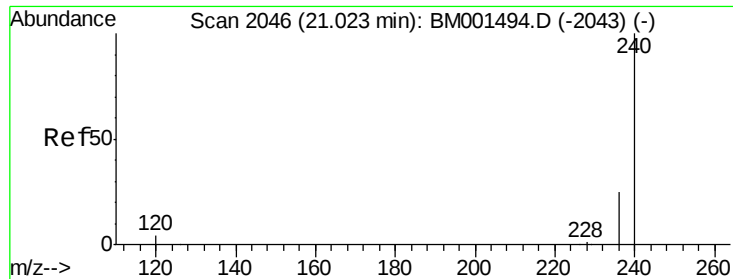


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

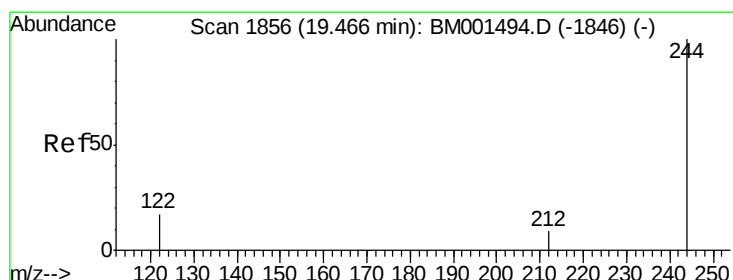
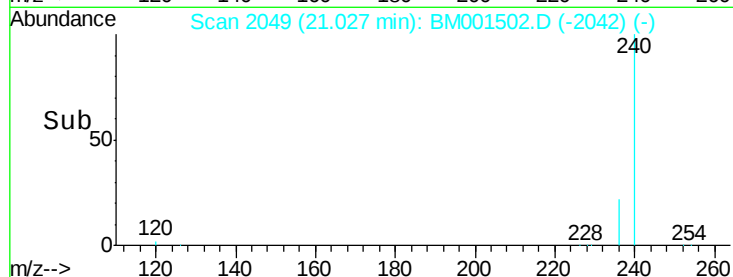
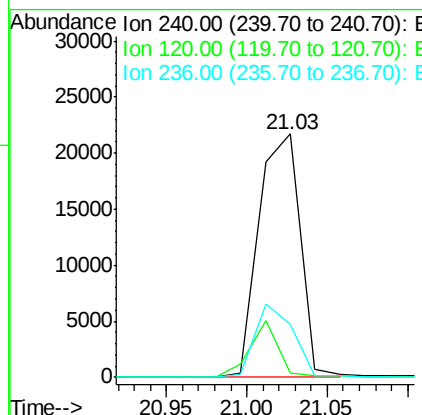
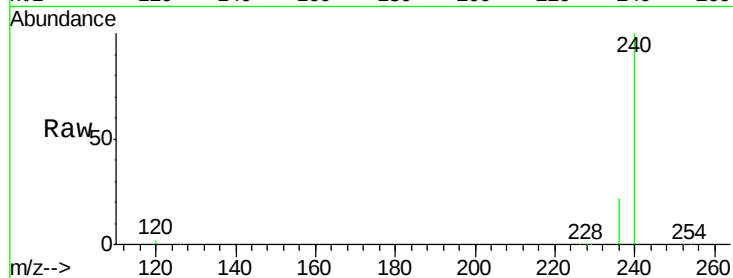




#17
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.03 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: BM001502.D
 Acq: 31 May 2015 08:43

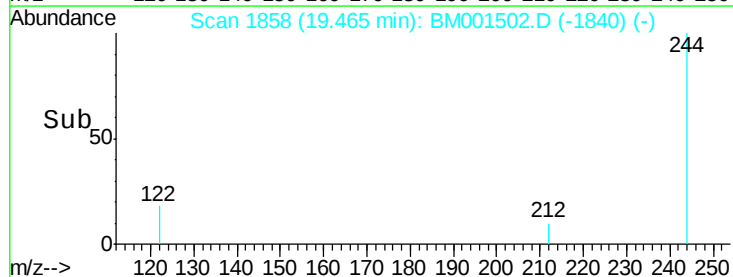
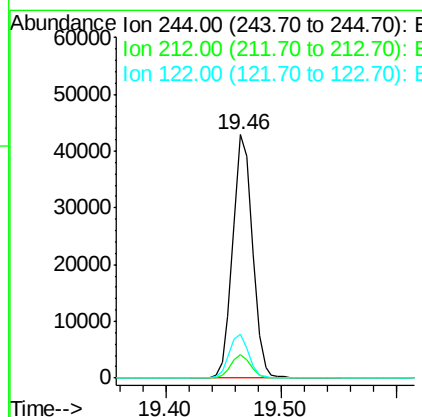
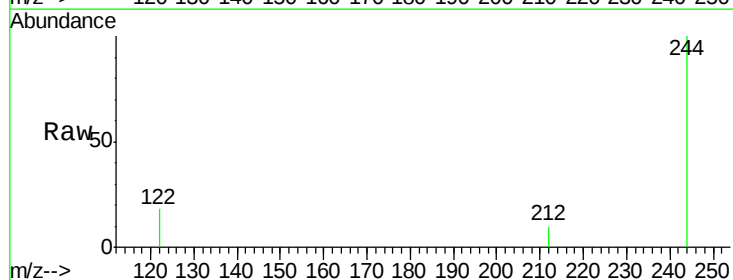
Instrument :
 BNA_M
 ClientSampleId :
 OM-SP-002-150528

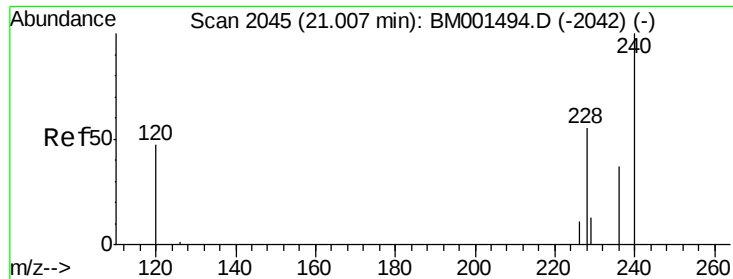
Tgt Ion:240 Resp: 39017
 Ion Ratio Lower Upper
 240 100
 120 2.0 3.7 5.5#
 236 21.7 19.8 29.8



#18
 Terphenyl-d14
 Concen: 9.63 ng
 RT: 19.46 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: BM001502.D
 Acq: 31 May 2015 08:43

Tgt Ion:244 Resp: 50247
 Ion Ratio Lower Upper
 244 100
 212 9.7 8.0 12.0
 122 18.2 14.1 21.1





#19

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.01 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BM001502.D

Acq: 31 May 2015 08:43

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528

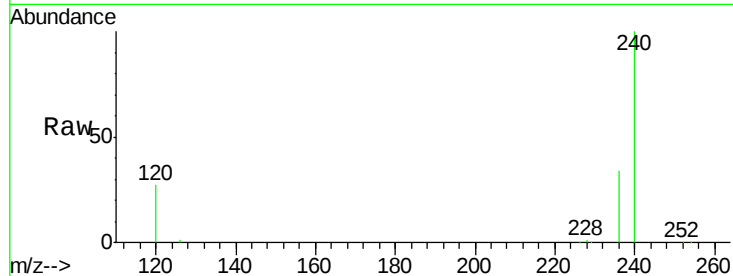
Tgt Ion:228 Resp: 173

Ion Ratio Lower Upper

228 100

226 43.2 17.5 26.3#

229 50.6 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

21.01

150

100

50

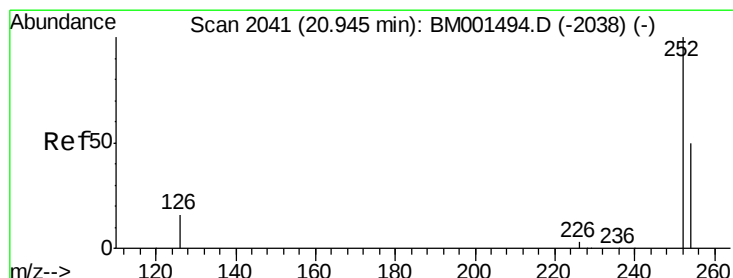
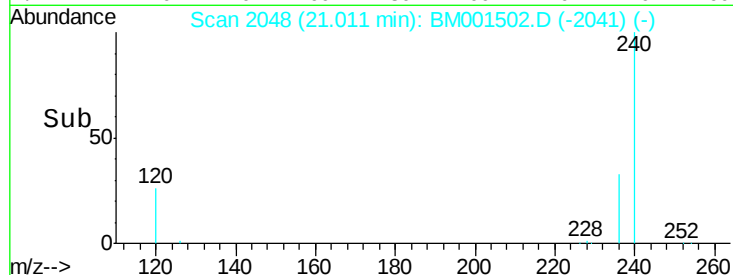
0

20.95

21.00

21.05

Time-->



#20

3,3'-Dichlorobenzidine

Concen: 0.00 ng

RT: 20.95 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BM001502.D

Acq: 31 May 2015 08:43

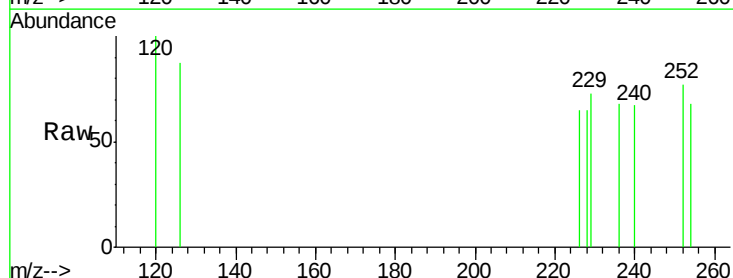
Tgt Ion:252 Resp: 4

Ion Ratio Lower Upper

252 100

254 87.7 41.2 61.8#

126 112.3 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

20.95

100

80

60

40

20

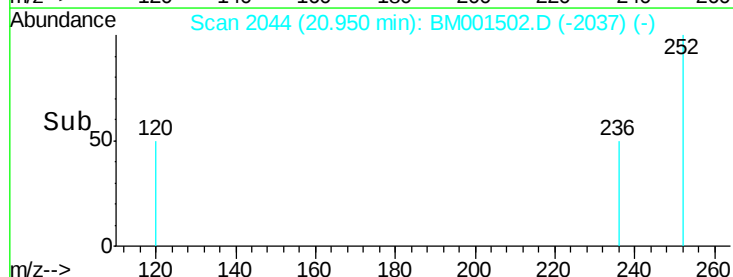
0

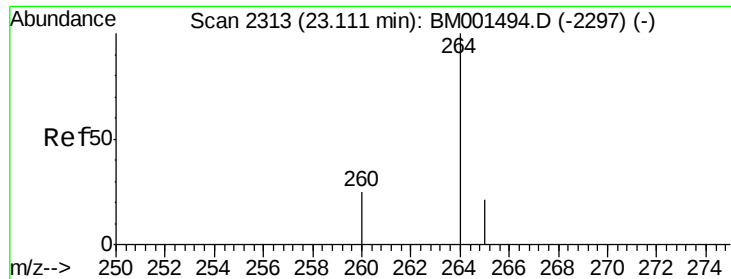
20.92

20.94

20.96

Time-->





#21
Perylene-d12
Concen: 5.00 ng
RT: 23.11 min Scan# 2317
Delta R.T. -0.00 min
Lab File: BM001502.D
Acq: 31 May 2015 08:43

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

Tgt Ion: 264 Resp: 36165
Ion Ratio Lower Upper
264 100
260 24.8 19.8 29.8
265 22.2 18.0 27.0

