

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053115\
 Data File : BM001491.D
 Acq On : 31 May 2015 02:05
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

Quant Time: May 31 05:13:26 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 05:09:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	13996	5.00	ng	0.00
6) Naphthalene-d8	10.15	136	53207	5.00	ng	0.00
9) Acenaphthene-d10	14.06	164	28408	5.00	ng	0.00
15) Phenanthrene-d10	16.80	188	56270	5.00	ng	0.00
17) Chrysene-d12	21.03	240	46471	5.00	ng	0.00
21) Perylene-d12	23.11	264	42420	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	26998	11.62	ng	0.00
3) Phenol-d6	6.57	99	36336	14.65	ng	0.00
7) Nitrobenzene-d5	8.53	82	30416	10.57	ng	0.00
10) 2,4,6-Tribromophenol	15.56	330	11980	13.58	ng	0.00
11) 2-Fluorobiphenyl	12.67	172	80119	9.99	ng	0.00
18) Terphenyl-d14	19.47	244	61632	10.61	ng	0.00

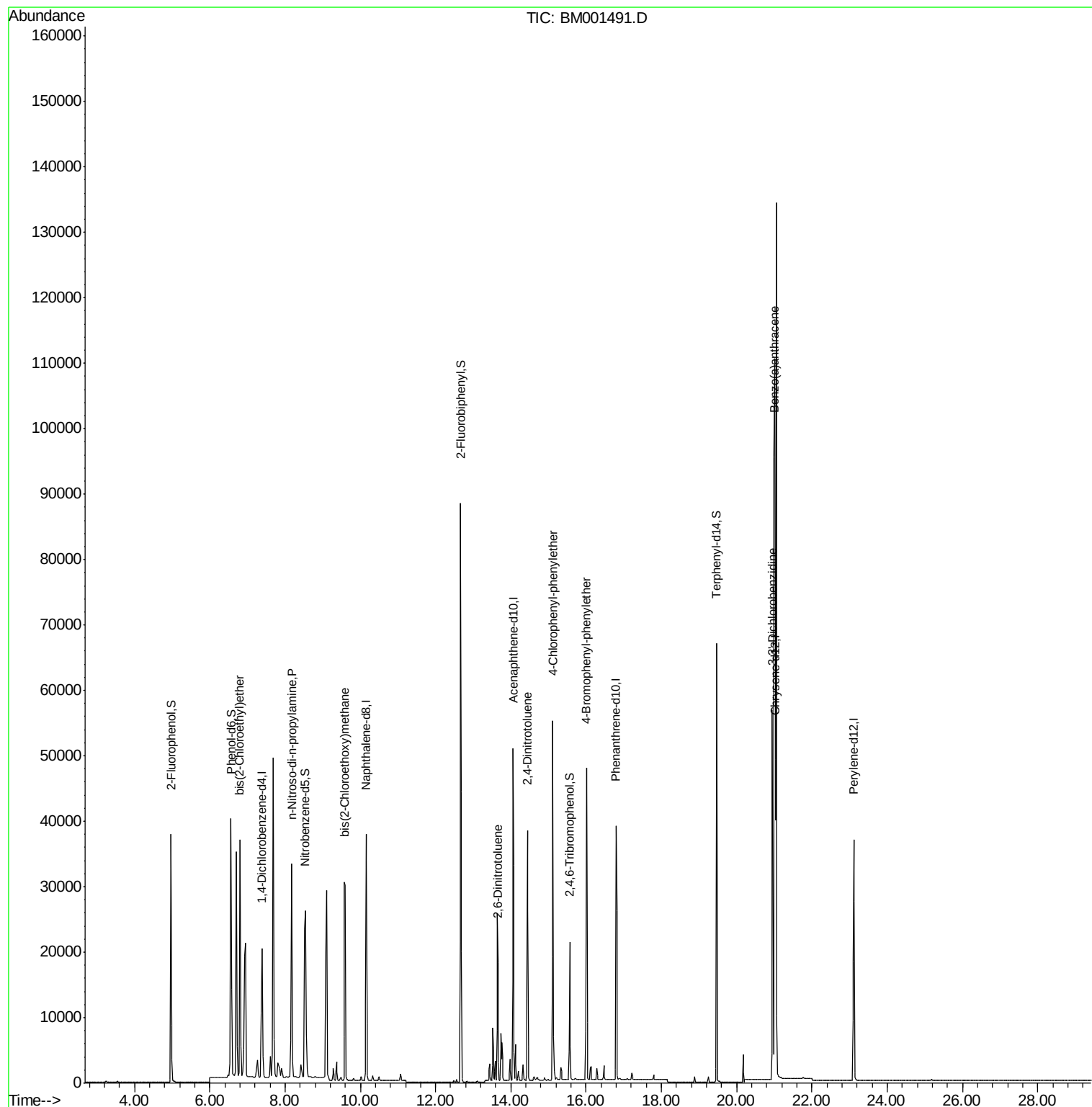
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.80	93	26365	10.17	ng	82
5) n-Nitroso-di-n-propylamine	8.18	70	25683	16.67	ng	# 94
8) bis(2-Chloroethoxy)methane	9.58	93	37520	12.94	ng	# 95
12) 2,6-Dinitrotoluene	13.66	165	17750	14.59	ng	# 73
13) 2,4-Dinitrotoluene	14.45	165	22936	16.34	ng	# 88
14) 4-Chlorophenyl-phenylether	15.12	204	41814	9.77	ng	# 75
16) 4-Bromophenyl-phenylether	16.01	248	24552	11.13	ng	# 75
19) Benzo(a)anthracene	21.00	228	117541	40.22	ng	# 81
20) 3,3'-Dichlorobenzidine	20.95	252	46766	15.16	ng	# 92

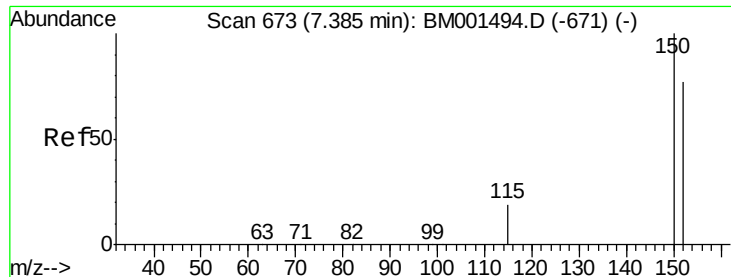
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001491.D

Acq: 31 May 2015 02:05

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

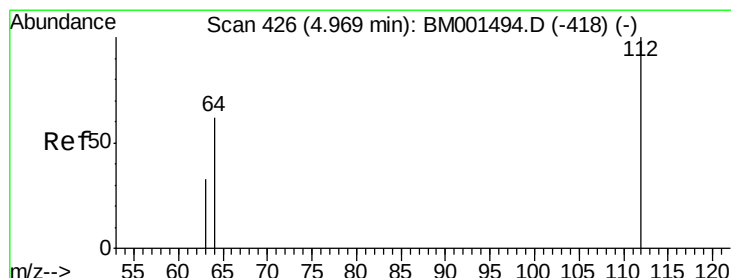
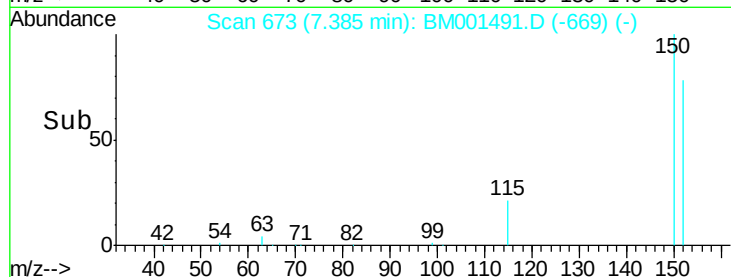
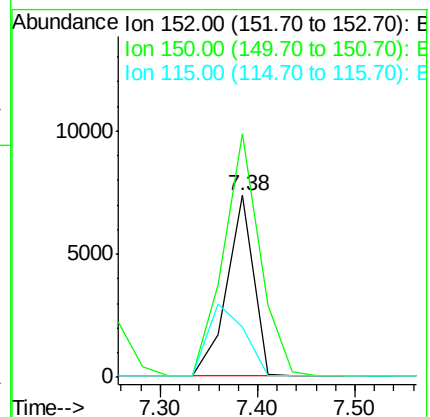
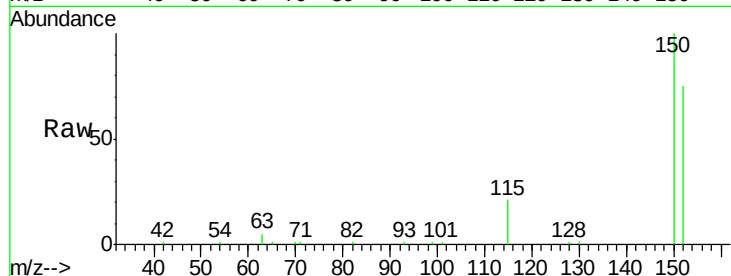
Tgt Ion:152 Resp: 13996

Ion Ratio Lower Upper

152 100

150 133.7 103.8 155.8

115 27.6 20.7 31.1



#2

2-Fluorophenol

Concen: 11.62 ng

RT: 4.97 min Scan# 426

Delta R.T. -0.00 min

Lab File: BM001491.D

Acq: 31 May 2015 02:05

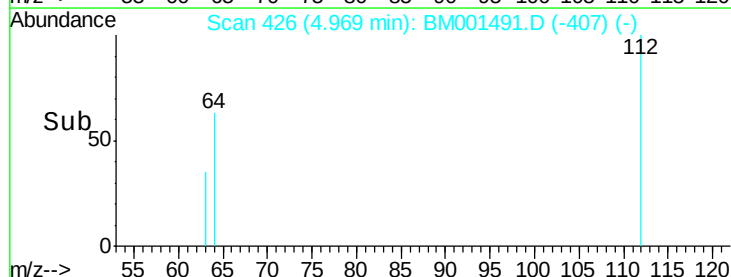
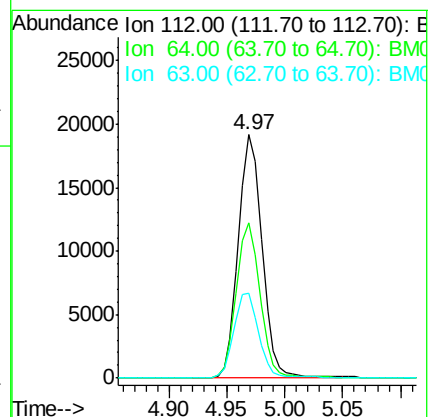
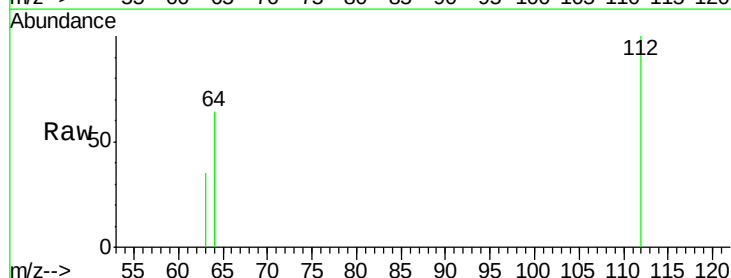
Tgt Ion:112 Resp: 26998

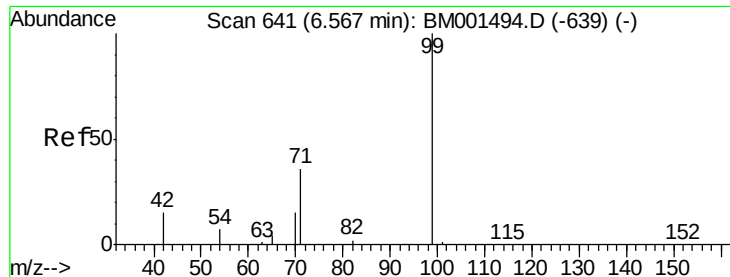
Ion Ratio Lower Upper

112 100

64 63.6 50.2 75.2

63 34.7 28.2 42.4





#3

Phenol-d6

Concen: 14.65 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.00 min

Lab File: BM001491.D

Acq: 31 May 2015 02:05

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

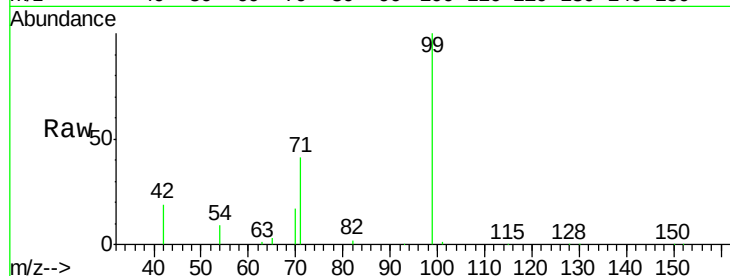
Tgt Ion: 99 Resp: 36336

Ion Ratio Lower Upper

99 100

42 19.2 15.2 22.8

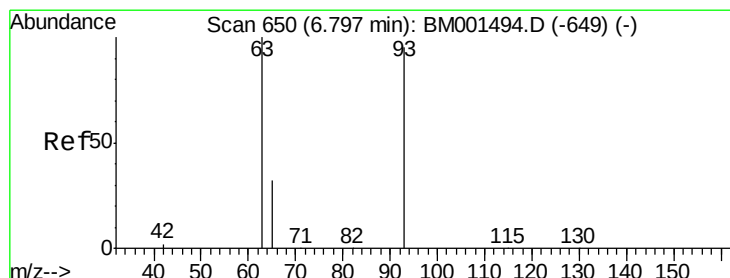
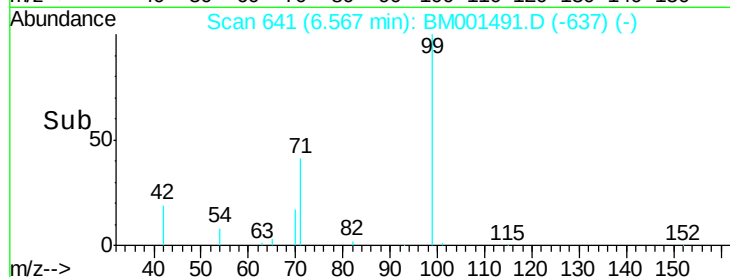
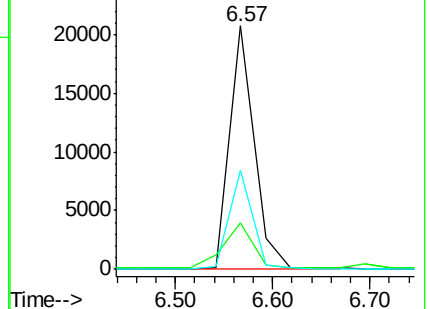
71 40.7 30.6 46.0



Abundance Ion 99.00 (98.70 to 99.70): BM001491.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM001491.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM001491.D (-637) (-)



#4

bis(2-Chloroethyl)ether

Concen: 10.17 ng

RT: 6.80 min Scan# 650

Delta R.T. -0.00 min

Lab File: BM001491.D

Acq: 31 May 2015 02:05

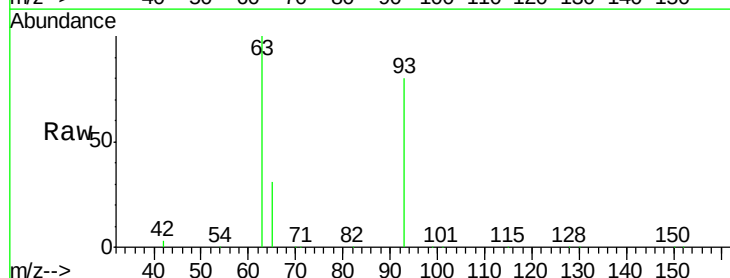
Tgt Ion: 93 Resp: 26365

Ion Ratio Lower Upper

93 100

63 125.3 86.8 126.8

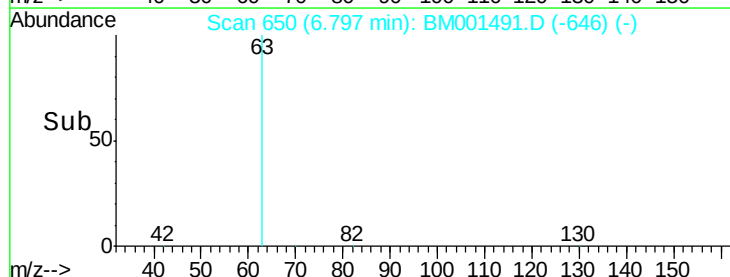
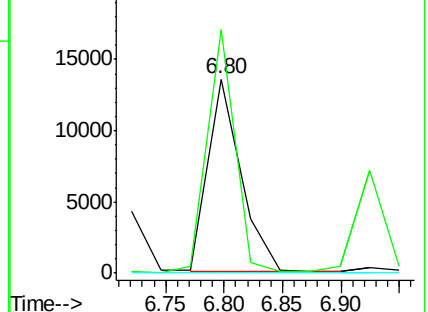
95 0.0 0.0 20.0

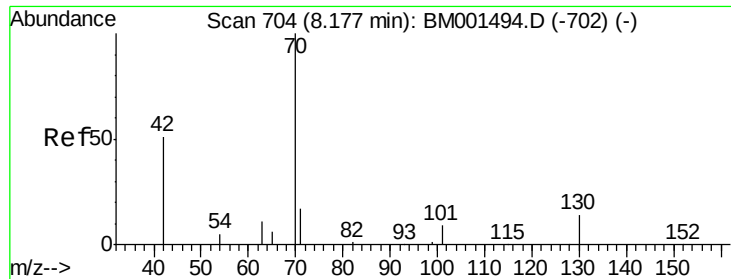


Abundance Ion 93.00 (92.70 to 93.70): BM001491.D (-646) (-)

Ion 63.00 (62.70 to 63.70): BM001491.D (-646) (-)

Ion 95.00 (94.70 to 95.70): BM001491.D (-646) (-)





#5

n-Nitroso-di-n-propylamine

Concen: 16.67 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001491.D

Acq: 31 May 2015 02:05

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 25683

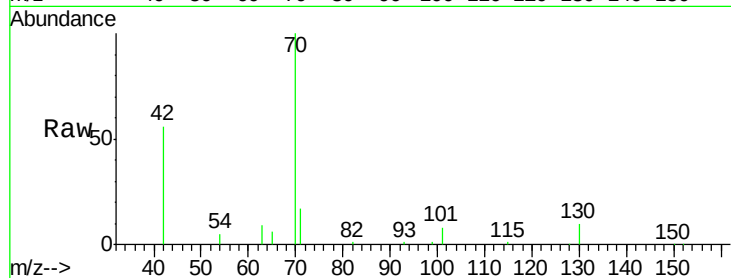
Ion Ratio Lower Upper

70 100

42 55.8 44.2 66.2

101 8.0 10.3 15.5#

130 9.7 13.9 20.9#



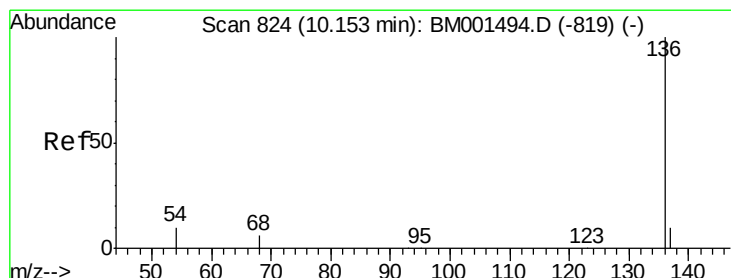
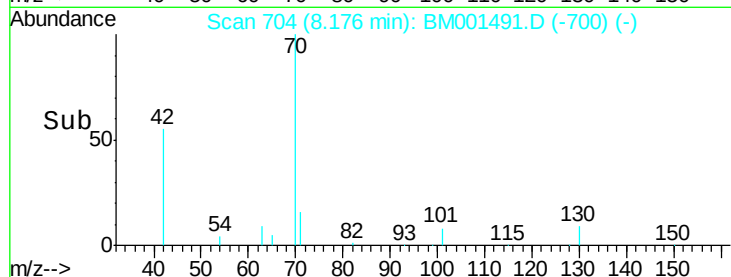
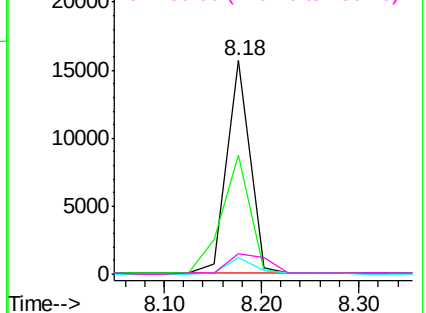
Abundance

Ion 70.00 (69.70 to 70.70): BM001491.D (-702) (-)

Ion 42.00 (41.70 to 42.70): BM001491.D (-702) (-)

Ion 101.00 (100.70 to 101.70): BM001491.D (-702) (-)

Ion 130.00 (129.70 to 130.70): BM001491.D (-702) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.15 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM001491.D

Acq: 31 May 2015 02:05

Tgt Ion: 136 Resp: 53207

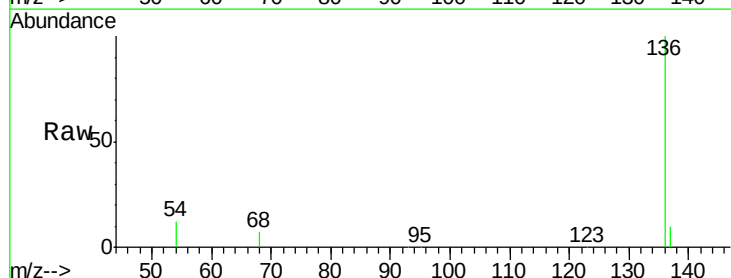
Ion Ratio Lower Upper

136 100

137 10.3 8.3 12.5

54 12.3 8.5 12.7

68 7.0 5.0 7.4



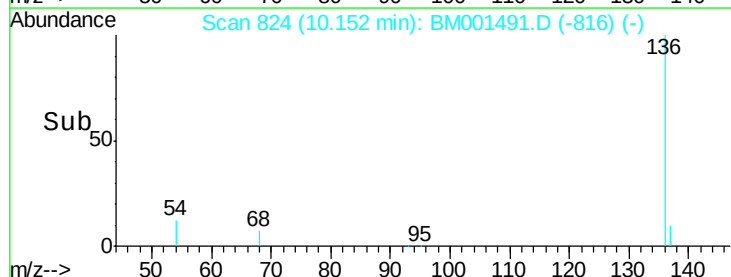
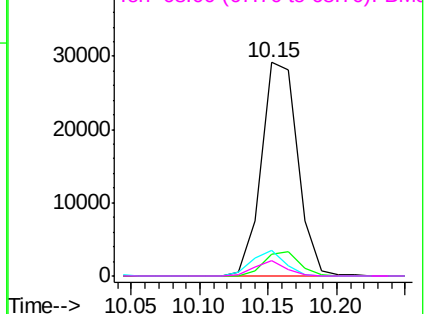
Abundance

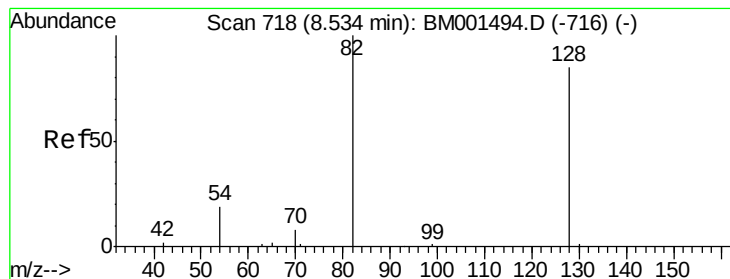
Ion 136.00 (135.70 to 136.70): BM001491.D (-819) (-)

Ion 137.00 (136.70 to 137.70): BM001491.D (-819) (-)

Ion 54.00 (53.70 to 54.70): BM001491.D (-819) (-)

Ion 68.00 (67.70 to 68.70): BM001491.D (-819) (-)





#7

Nitrobenzene-d5

Concen: 10.57 ng

RT: 8.53 min Scan# 718

Delta R.T. -0.00 min

Lab File: BM001491.D

Acq: 31 May 2015 02:05

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

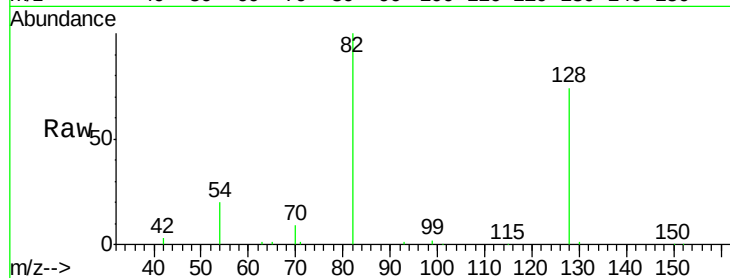
Tgt Ion: 82 Resp: 30416

Ion Ratio Lower Upper

82 100

128 74.1 68.2 102.2

54 19.7 21.0 31.4#

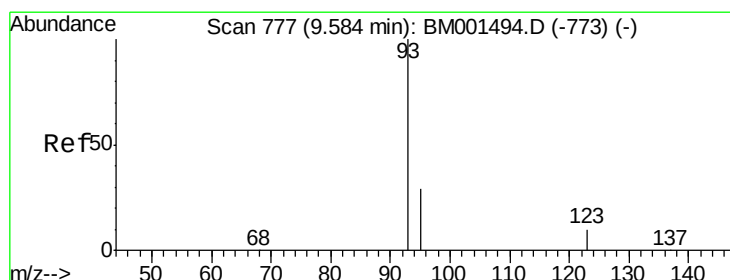
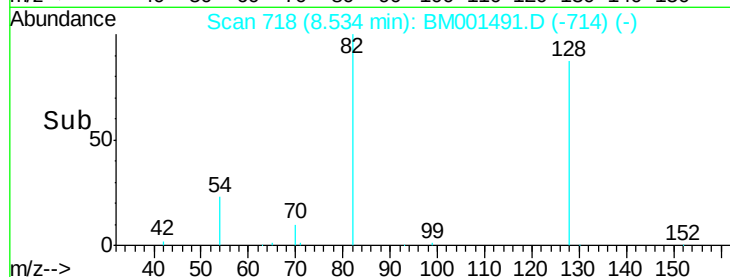
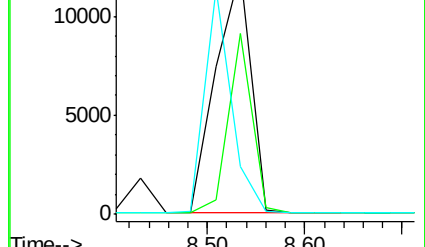


Abundance Ion 82.00 (81.70 to 82.70): BM001491.D (-716) (-)

Ion 128.00 (127.70 to 128.70): BM001491.D (-716) (-)

Ion 54.00 (53.70 to 54.70): BM001491.D (-716) (-)

Time-->



#8

bis(2-Chloroethoxy)methane

Concen: 12.94 ng

RT: 9.58 min Scan# 777

Delta R.T. -0.00 min

Lab File: BM001491.D

Acq: 31 May 2015 02:05

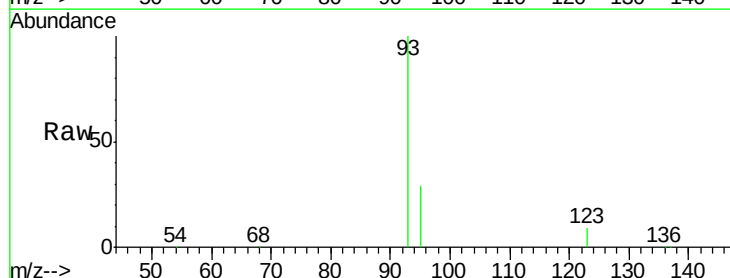
Tgt Ion: 93 Resp: 37520

Ion Ratio Lower Upper

93 100

95 29.2 25.0 37.6

123 9.2 9.5 14.3#

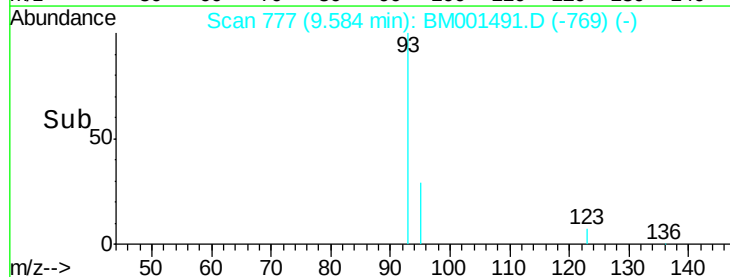
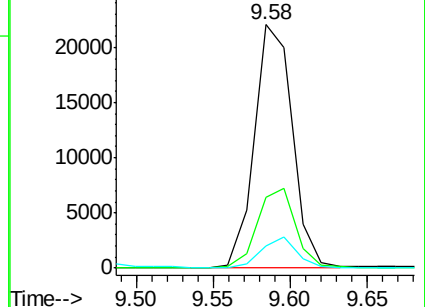


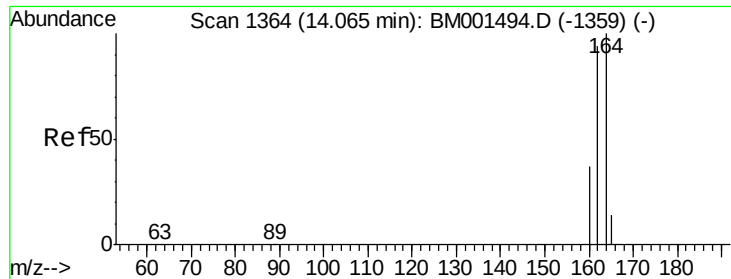
Abundance Ion 93.00 (92.70 to 93.70): BM001491.D (-773) (-)

Ion 95.00 (94.70 to 95.70): BM001491.D (-773) (-)

Ion 123.00 (122.70 to 123.70): BM001491.D (-773) (-)

Time-->





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.06 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BM001491.D

Acq: 31 May 2015 02:05

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

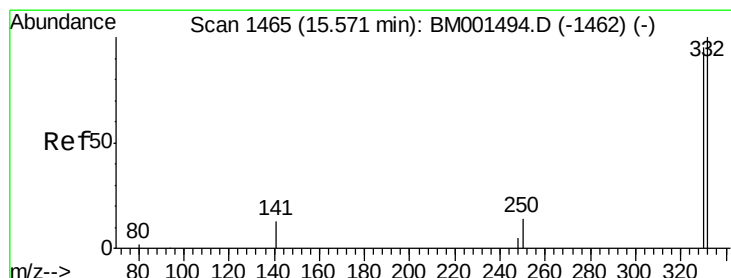
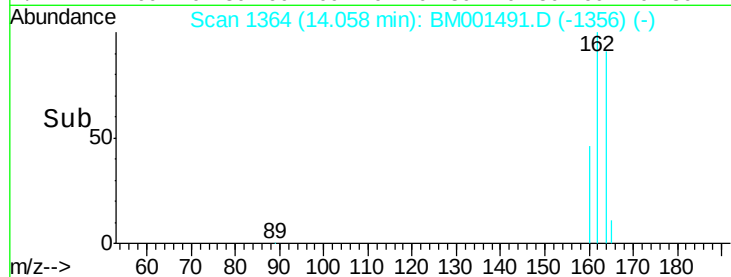
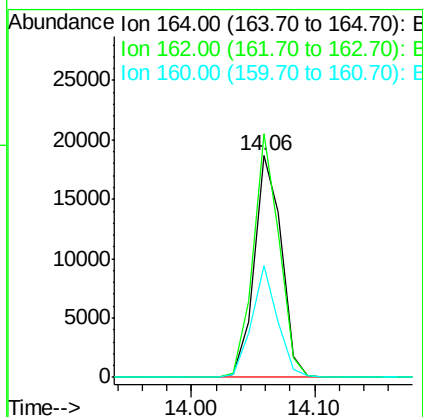
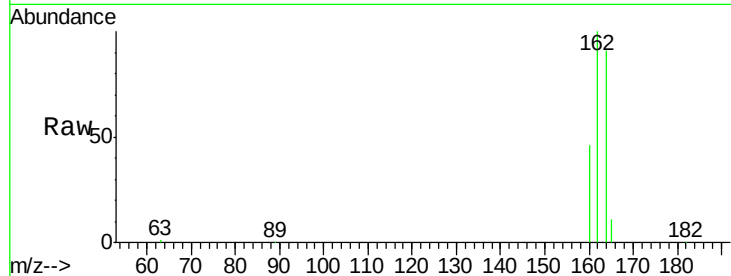
Tgt Ion:164 Resp: 28408

Ion Ratio Lower Upper

164 100

162 110.0 75.3 112.9

160 50.8 30.1 45.1#



#10

2,4,6-Tribromophenol

Concen: 13.58 ng

RT: 15.56 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BM001491.D

Acq: 31 May 2015 02:05

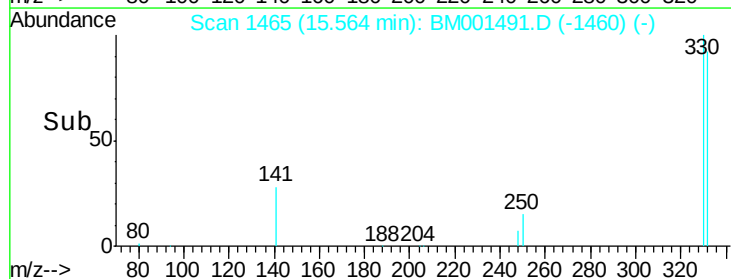
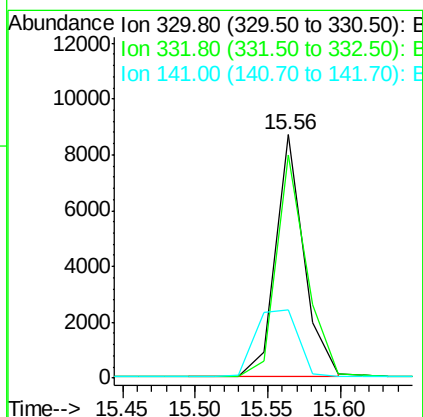
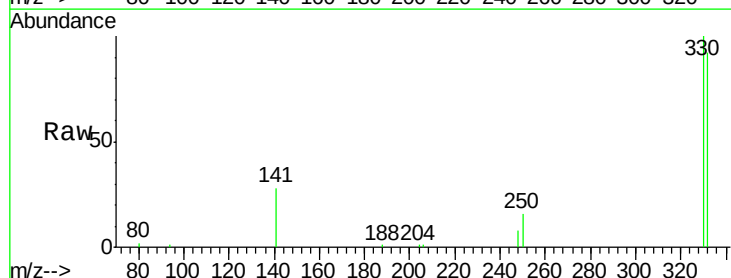
Tgt Ion:330 Resp: 11980

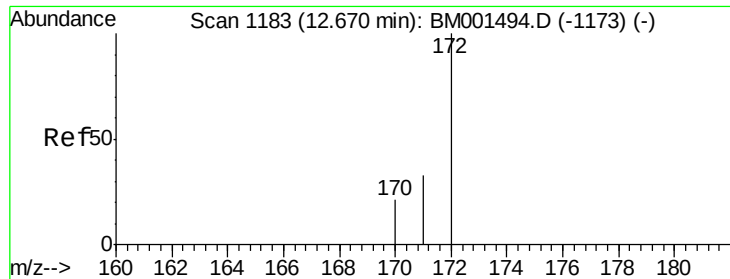
Ion Ratio Lower Upper

330 100

332 96.4 77.6 116.4

141 41.8 34.3 51.5

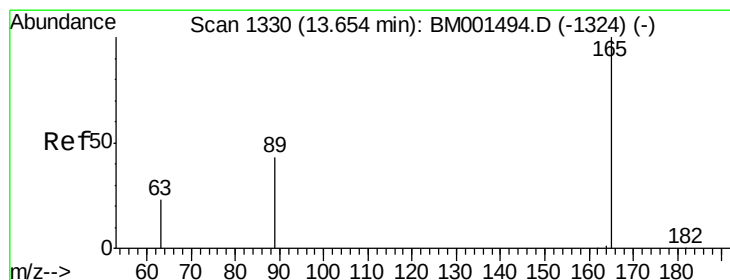
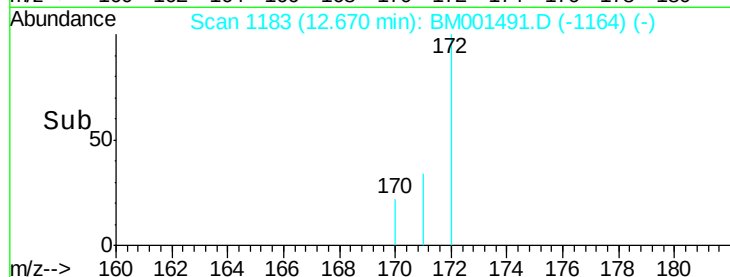
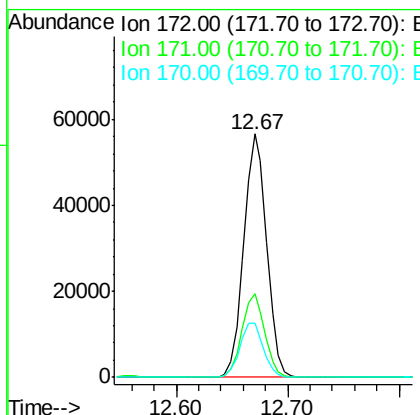
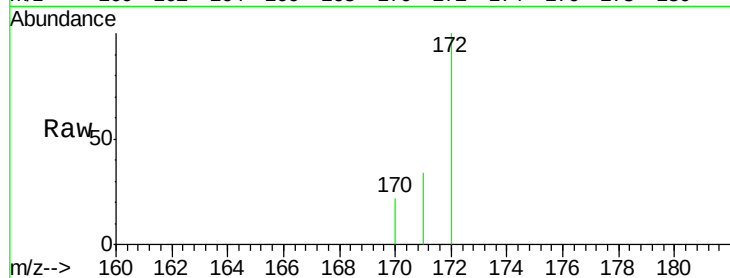




#11
2-Fluorobiphenyl
Concen: 9.99 ng
RT: 12.67 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BM001491.D
Acq: 31 May 2015 02:05

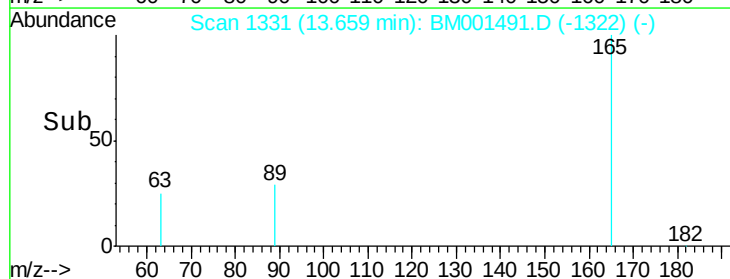
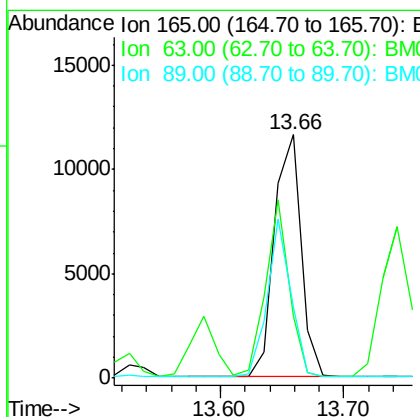
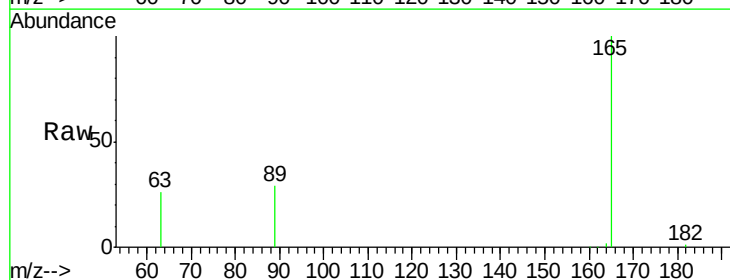
Instrument :
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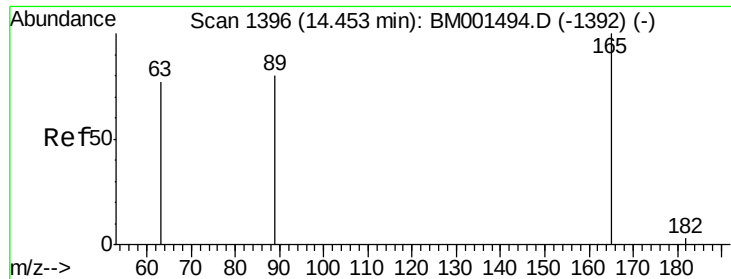
Tgt Ion:172 Resp: 80119
Ion Ratio Lower Upper
172 100
171 34.3 27.2 40.8
170 22.1 17.8 26.6



#12
2,6-Dinitrotoluene
Concen: 14.59 ng
RT: 13.66 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BM001491.D
Acq: 31 May 2015 02:05

Tgt Ion:165 Resp: 17750
Ion Ratio Lower Upper
165 100
63 25.6 35.3 52.9#
89 29.3 37.4 56.2#

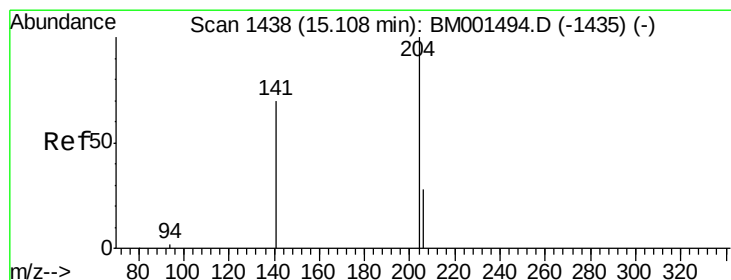
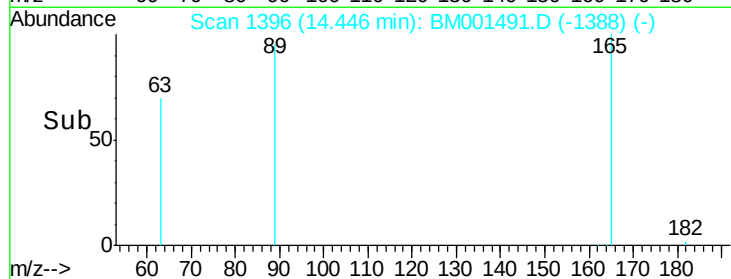
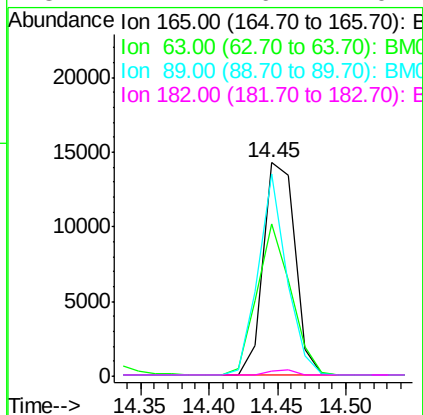
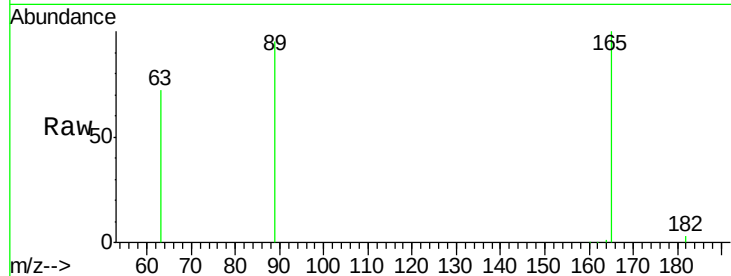




#13
 2,4-Dinitrotoluene
 Concen: 16.34 ng
 RT: 14.45 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BM001491.D
 Acq: 31 May 2015 02:05

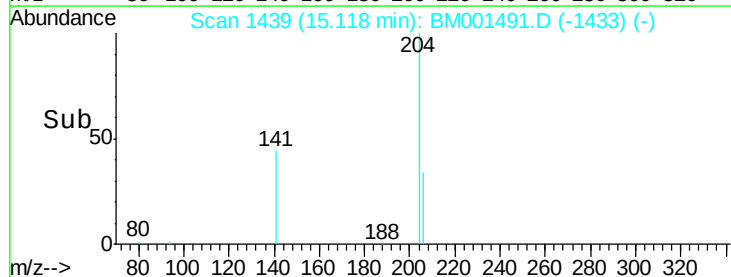
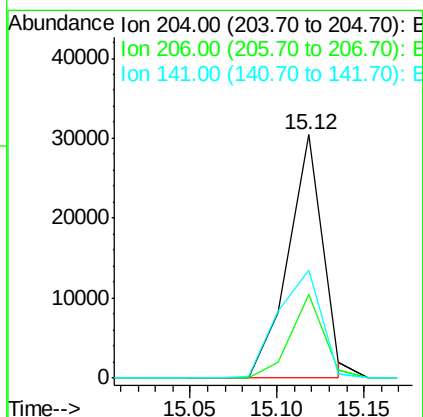
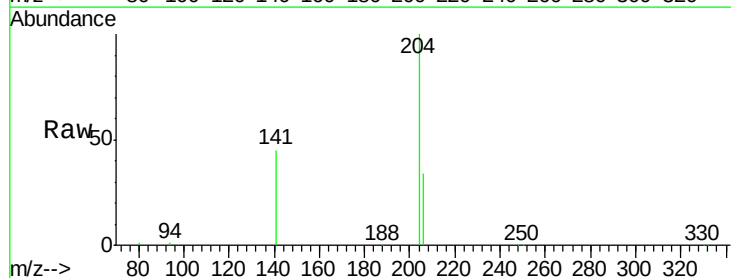
Instrument :
 BNA_M
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 SSTDICC010

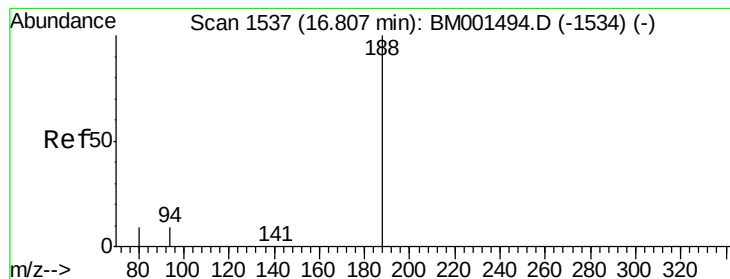
Tgt Ion:165 Resp: 22936
 Ion Ratio Lower Upper
 165 100
 63 71.6 63.9 95.9
 89 94.6 65.0 97.6
 182 2.7 6.2 9.4#



#14
 4-Chlorophenyl-phenylether
 Concen: 9.77 ng
 RT: 15.12 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BM001491.D
 Acq: 31 May 2015 02:05

Tgt Ion:204 Resp: 41814
 Ion Ratio Lower Upper
 204 100
 206 34.2 23.8 35.6
 141 44.6 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: BM001491.D

Acq: 31 May 2015 02:05

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

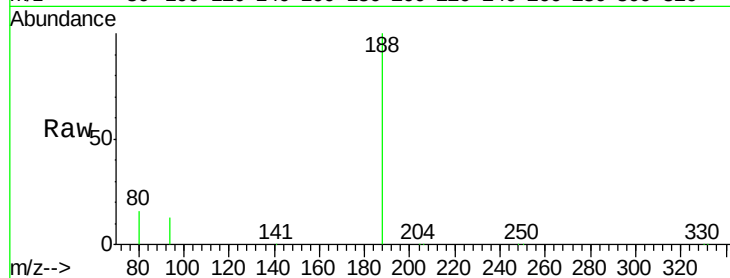
Tgt Ion:188 Resp: 56270

Ion Ratio Lower Upper

188 100

94 13.1 7.1 10.7#

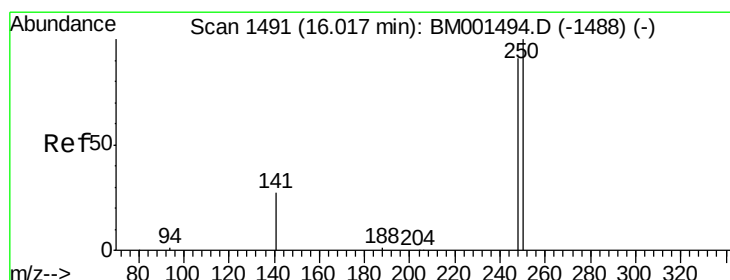
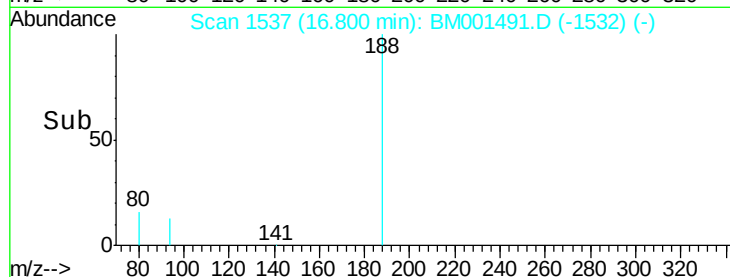
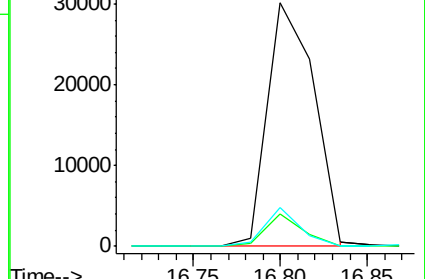
80 16.1 7.3 10.9#



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: 11.13 ng

RT: 16.01 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BM001491.D

Acq: 31 May 2015 02:05

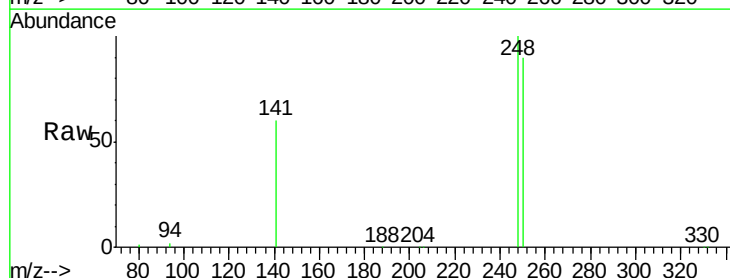
Tgt Ion:248 Resp: 24552

Ion Ratio Lower Upper

248 100

250 90.3 87.3 130.9

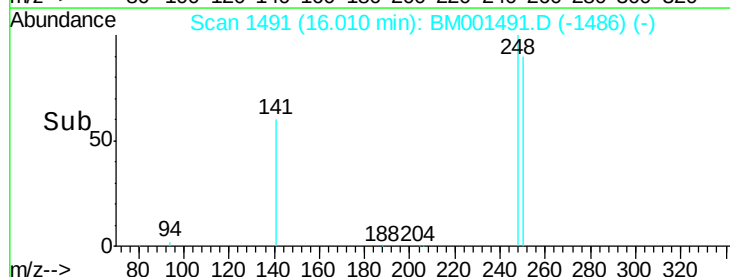
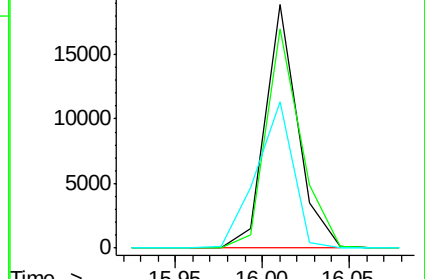
141 60.3 25.8 38.8#

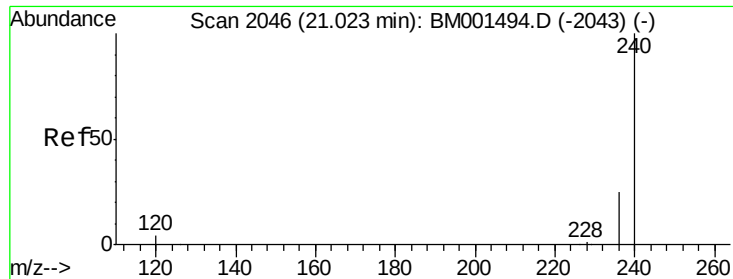


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

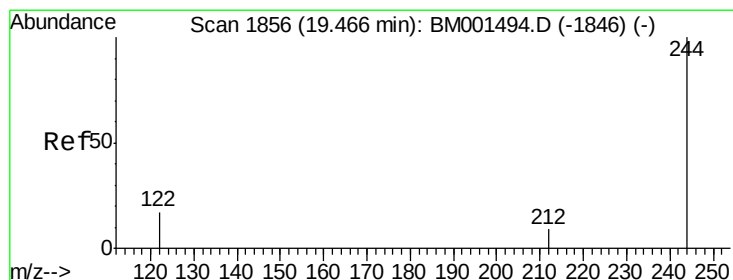
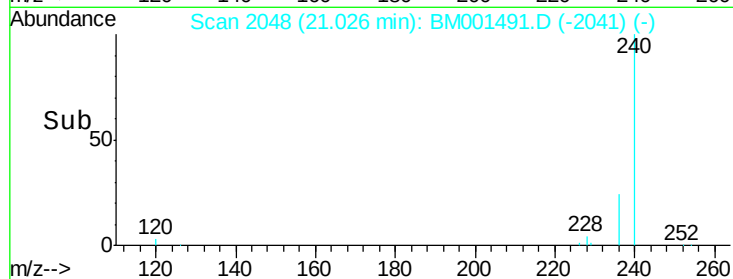
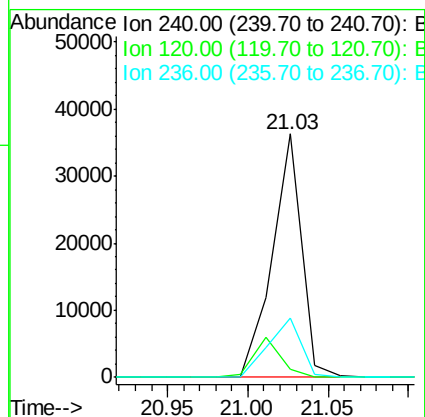
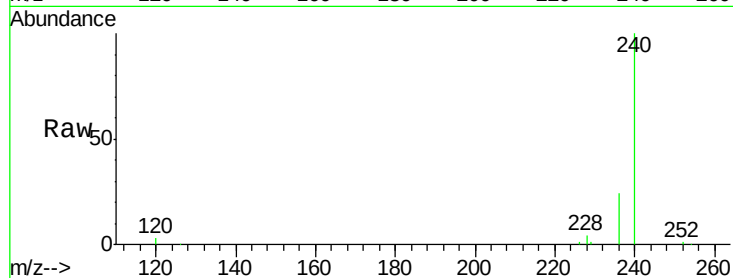




#17
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.03 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: BM001491.D
 Acq: 31 May 2015 02:05

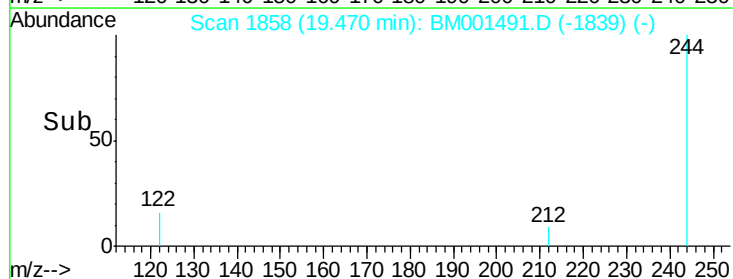
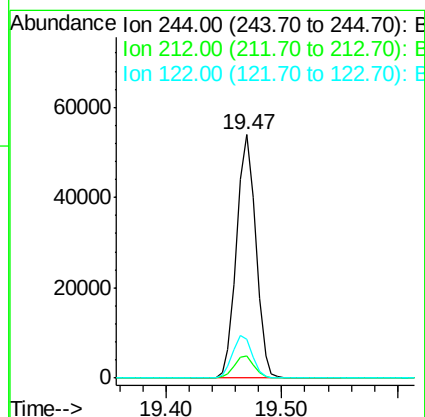
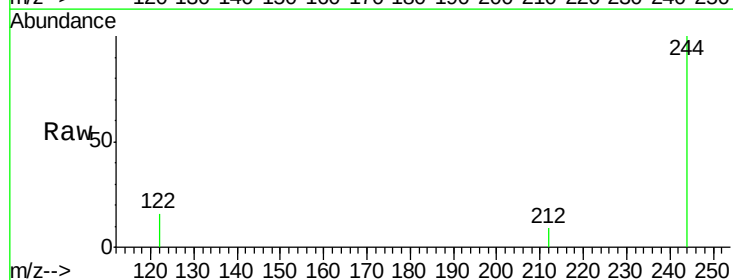
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

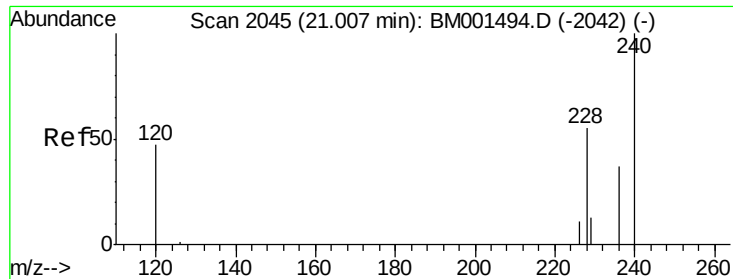
Tgt Ion: 240 Resp: 46471
 Ion Ratio Lower Upper
 240 100
 120 3.3 3.7 5.5#
 236 24.3 19.8 29.8



#18
 Terphenyl-d14
 Concen: 10.61 ng
 RT: 19.47 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: BM001491.D
 Acq: 31 May 2015 02:05

Tgt Ion: 244 Resp: 61632
 Ion Ratio Lower Upper
 244 100
 212 9.0 8.0 12.0
 122 15.7 14.1 21.1





#19

Benzo(a)anthracene

Concen: 40.22 ng

RT: 21.00 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BM001491.D

Acq: 31 May 2015 02:05

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

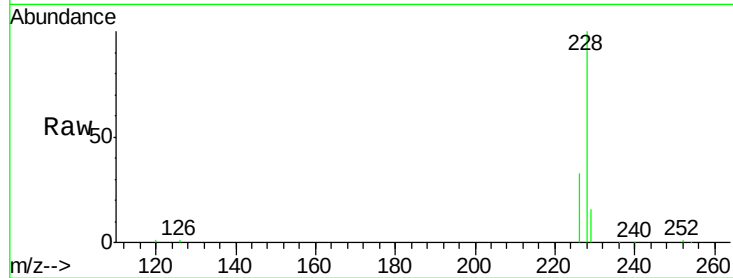
Tgt Ion:228 Resp: 117541

Ion Ratio Lower Upper

228 100

226 32.6 17.5 26.3#

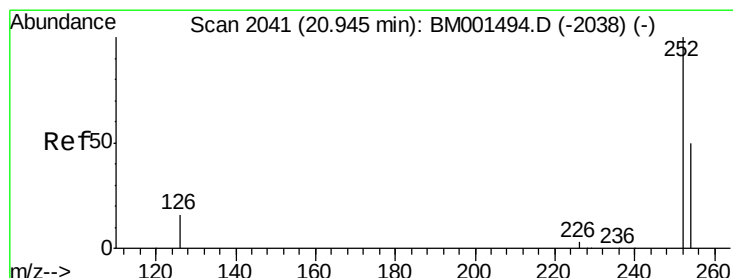
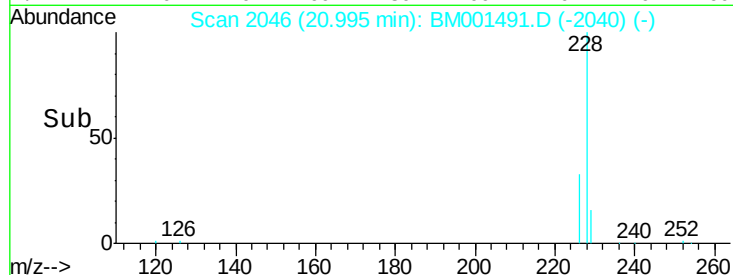
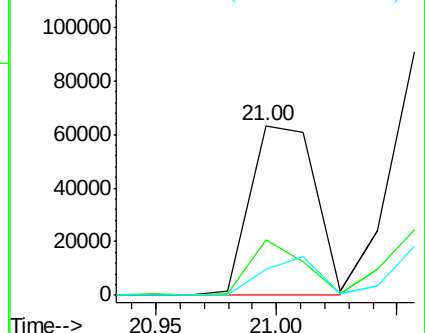
229 15.7 19.0 28.4#



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: 15.16 ng

RT: 20.95 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BM001491.D

Acq: 31 May 2015 02:05

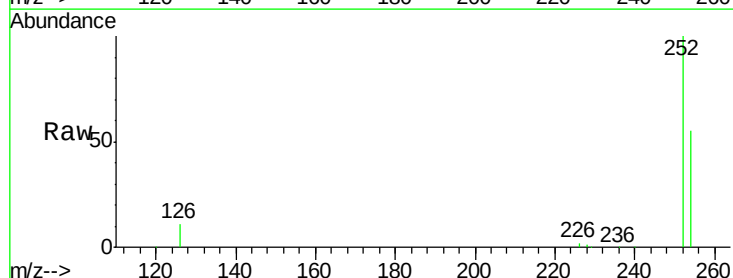
Tgt Ion:252 Resp: 46766

Ion Ratio Lower Upper

252 100

254 54.9 41.2 61.8

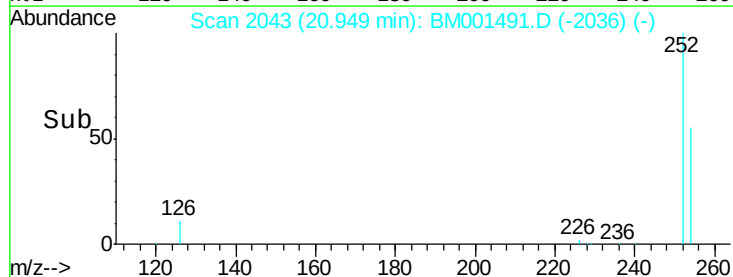
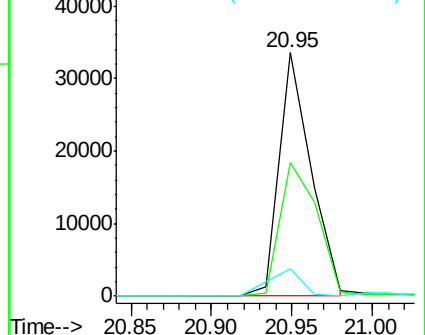
126 11.1 14.7 22.1#

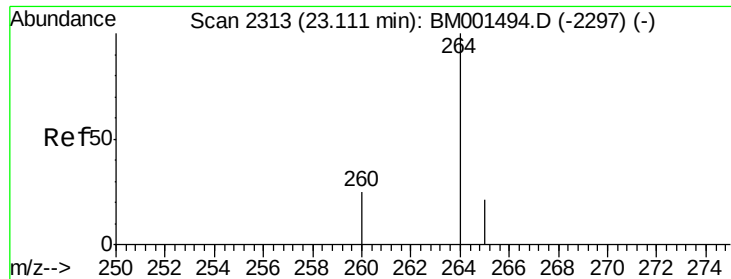


Abundance Ion 252.00 (251.70 to 252.70): E

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# 2316
Delta R.T. -0.00 min
Lab File: BM001491.D
Acq: 31 May 2015 02:05

Instrument :
BNA_M
ClientSampleId :
SSTDIC010

Tgt Ion: 264 Resp: 42420
Ion Ratio Lower Upper
264 100
260 25.9 19.8 29.8
265 21.2 18.0 27.0

