

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053115\
 Data File : BM001504.D
 Acq On : 31 May 2015 09:55
 Operator : TP/IZ
 Sample : G2438-03MSD
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: Jun 01 05:51:04 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	13284	5.00	ng	0.00
6) Naphthalene-d8	10.15	136	51021	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	27602	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	56533	5.00	ng	0.00
17) Chrysene-d12	21.01	240	43484	5.00	ng	-0.01
21) Perylene-d12	23.11	264	37970	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	33502	12.82	ng	0.00
3) Phenol-d6	6.57	99	50273	14.74	ng	0.00
7) Nitrobenzene-d5	8.53	82	25496	9.25	ng	0.00
10) 2,4,6-Tribromophenol	15.57	330	16112	16.47	ng	0.00
11) 2-Fluorobiphenyl	12.67	172	72472	9.06	ng	0.00
18) Terphenyl-d14	19.47	244	53569	9.21	ng	0.00

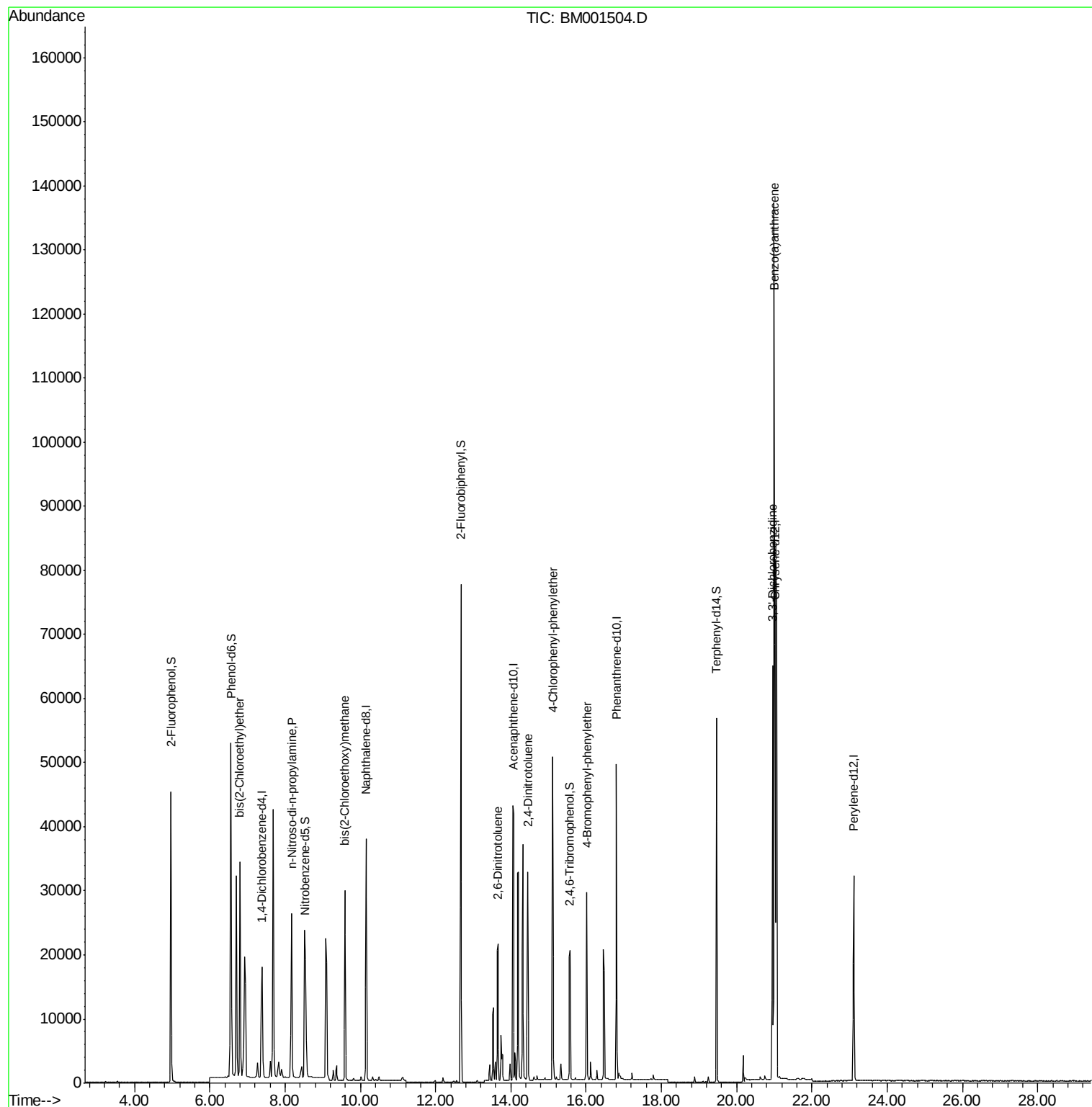
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.80	93	24958	9.49	ng	99
5) n-Nitroso-di-n-propylamine	8.18	70	20737	9.65	ng	# 92
8) bis(2-Chloroethoxy)methane	9.58	93	33010	10.03	ng	97
12) 2,6-Dinitrotoluene	13.65	165	16541	9.69	ng	# 86
13) 2,4-Dinitrotoluene	14.45	165	22759	10.38	ng	# 65
14) 4-Chlorophenyl-phenylether	15.11	204	38261	9.55	ng	95
16) 4-Bromophenyl-phenylether	16.02	248	22401	9.51	ng	# 93
19) Benzo(a)anthracene	21.00	228	109807	9.26	ng	# 89
20) 3,3'-Dichlorobenzidine	20.95	252	44212	11.42	ng	# 76

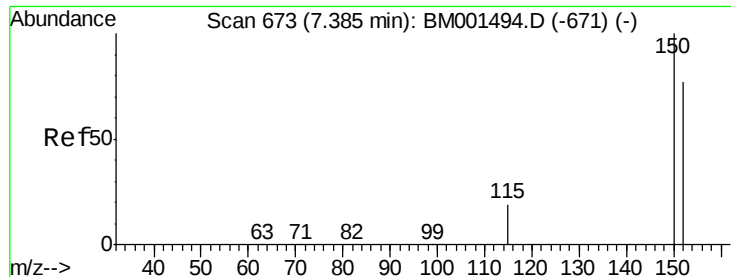
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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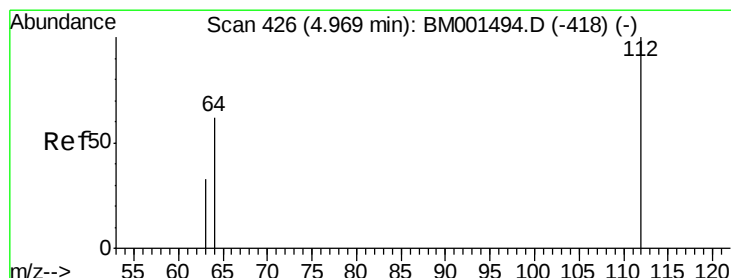
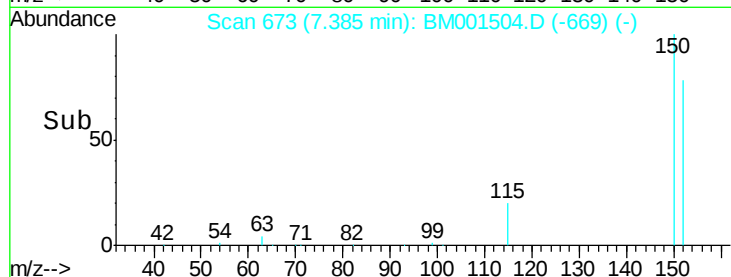
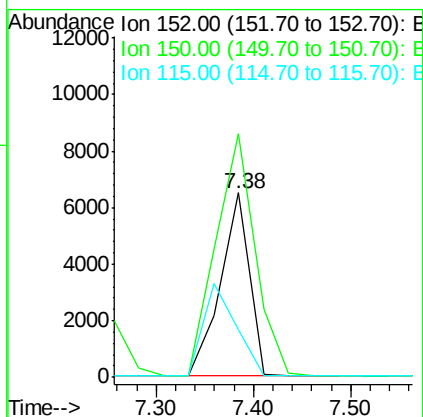
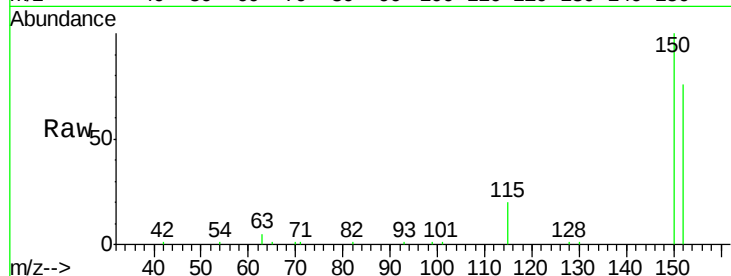


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.38 min Scan# 673
Delta R.T. -0.00 min
Lab File: BM001504.D
Acq: 31 May 2015 09:55

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

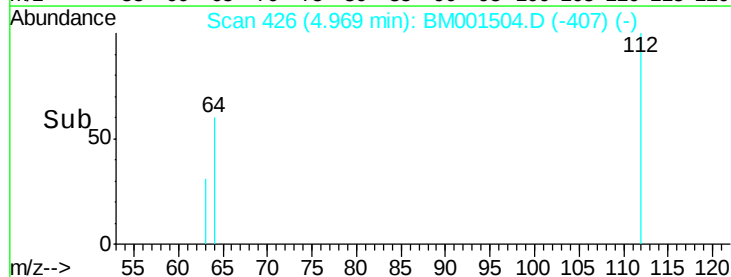
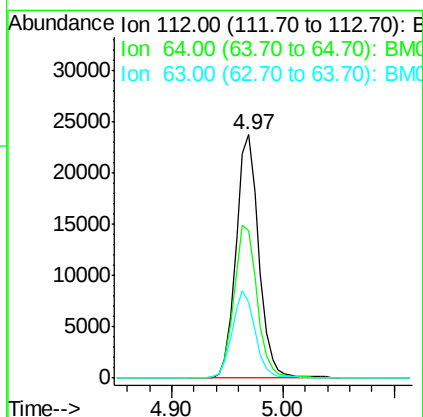
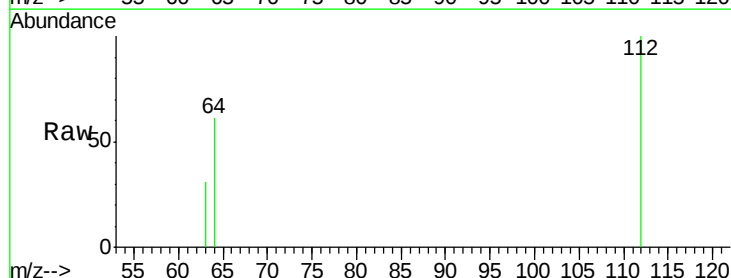
Tgt Ion:152 Resp: 13284
Ion Ratio Lower Upper
152 100
150 132.1 103.8 155.8
115 25.8 20.7 31.1

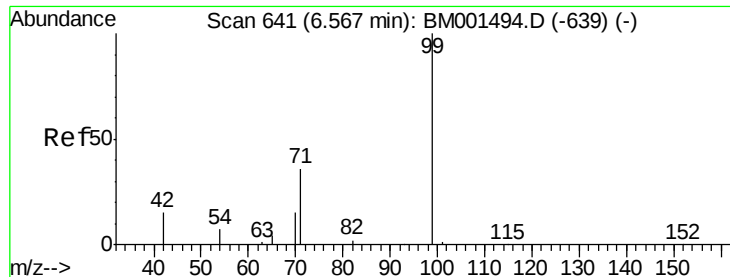


#2

2-Fluorophenol
Concen: 12.82 ng
RT: 4.97 min Scan# 426
Delta R.T. -0.00 min
Lab File: BM001504.D
Acq: 31 May 2015 09:55

Tgt Ion:112 Resp: 33502
Ion Ratio Lower Upper
112 100
64 60.5 50.2 75.2
63 31.3 28.2 42.4





#3

Phenol-d6

Concen: 14.74 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.00 min

Lab File: BM001504.D

Acq: 31 May 2015 09:55

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528MSD

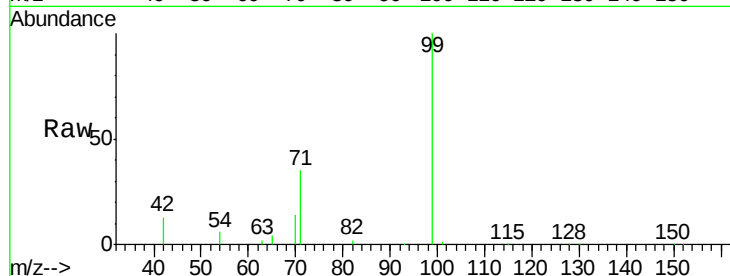
Tgt Ion: 99 Resp: 50273

Ion Ratio Lower Upper

99 100

42 12.5 15.2 22.8#

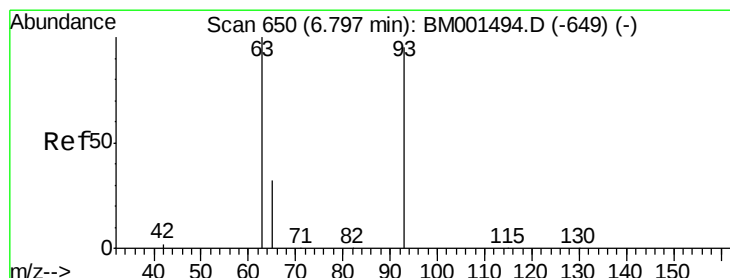
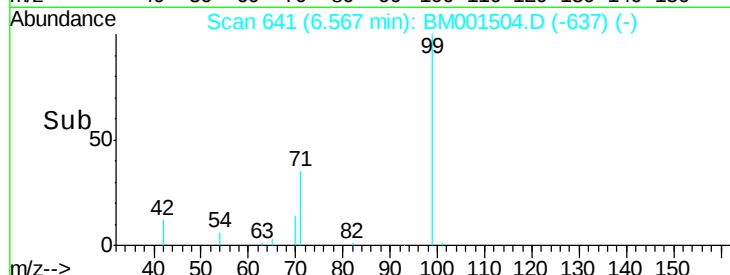
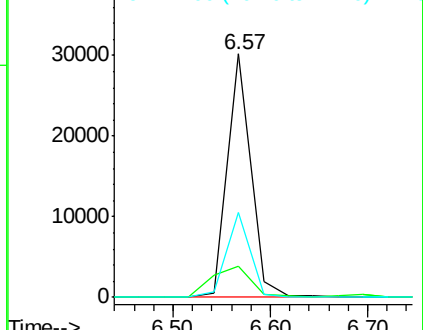
71 34.8 30.6 46.0



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) (-)



#4

bis(2-Chloroethyl)ether

Concen: 9.49 ng

RT: 6.80 min Scan# 650

Delta R.T. -0.00 min

Lab File: BM001504.D

Acq: 31 May 2015 09:55

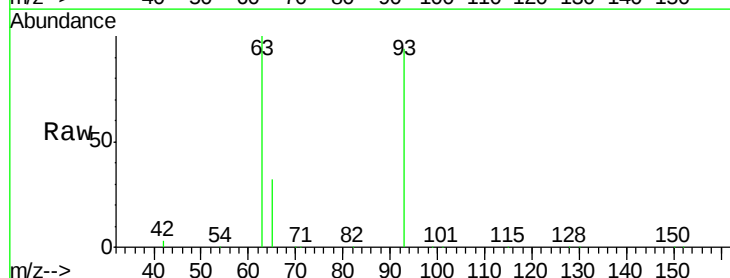
Tgt Ion: 93 Resp: 24958

Ion Ratio Lower Upper

93 100

63 106.2 86.8 126.8

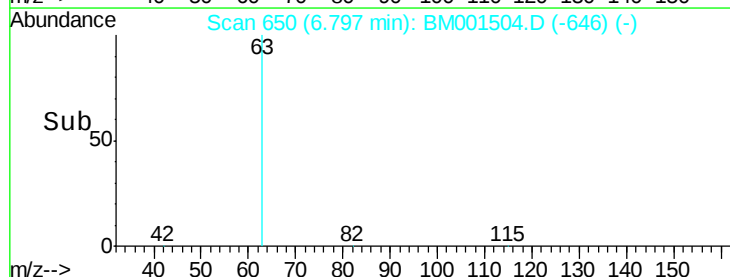
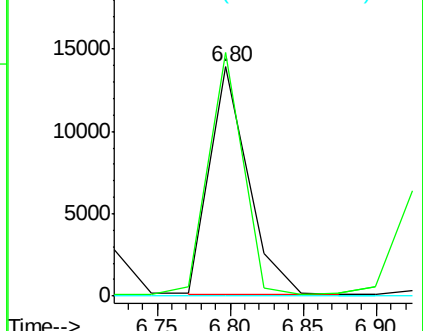
95 0.0 0.0 20.0

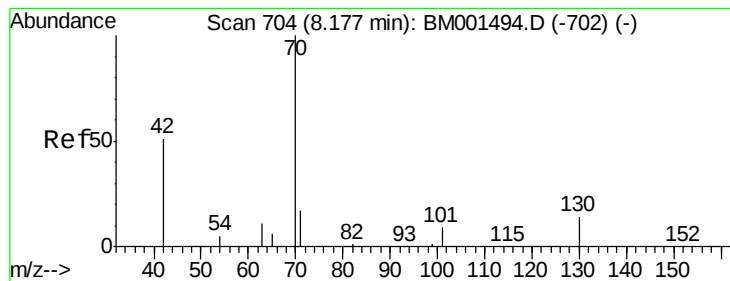


Abundance Ion 93.00 (92.70 to 93.70): BM001494.D (-649) (-)

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: 9.65 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001504.D

Acq: 31 May 2015 09:55

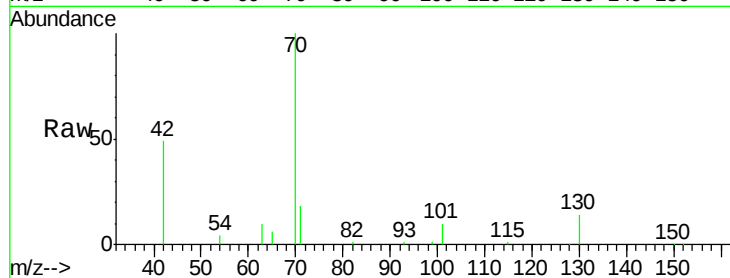
Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528MSD

Tgt Ion:	70	Resp:	20737
Ion	Ratio	Lower	Upper
70	100		
42	49.1	44.2	66.2
101	9.9	10.3	15.5#
130	13.7	13.9	20.9#

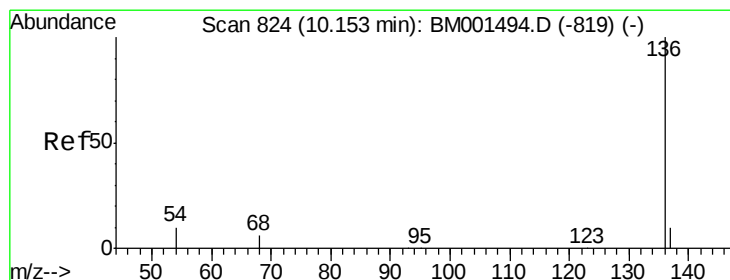
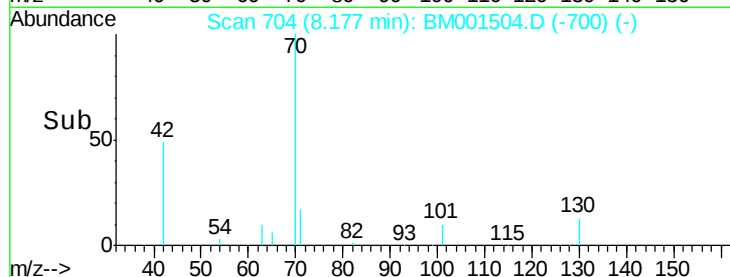
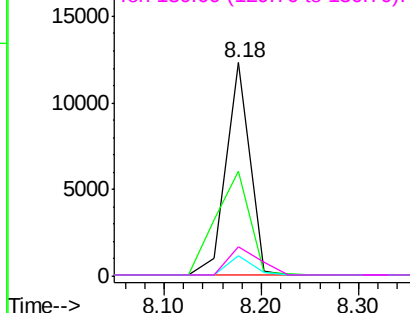


Abundance Ion 70.00 (69.70 to 70.70): BM001504.D (-700) (-)

Ion 42.00 (41.70 to 42.70): BM001504.D (-700) (-)

Ion 101.00 (100.70 to 101.70): BM001504.D (-700) (-)

Ion 130.00 (129.70 to 130.70): BM001504.D (-700) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

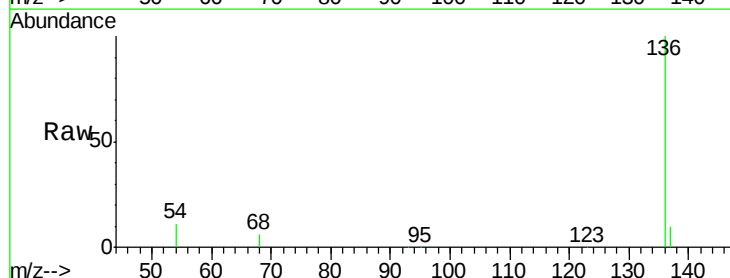
RT: 10.15 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM001504.D

Acq: 31 May 2015 09:55

Tgt Ion:	136	Resp:	51021
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.3	12.5
54	10.7	8.5	12.7
68	6.2	5.0	7.4

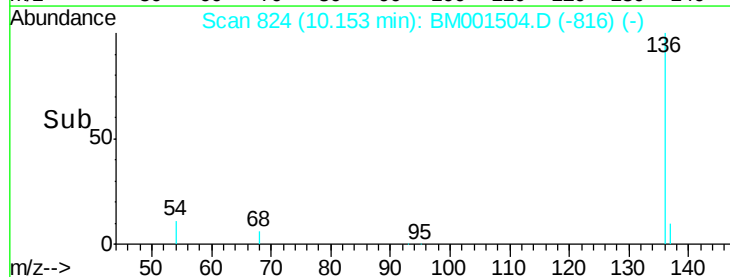
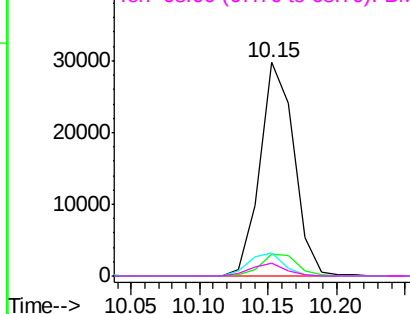


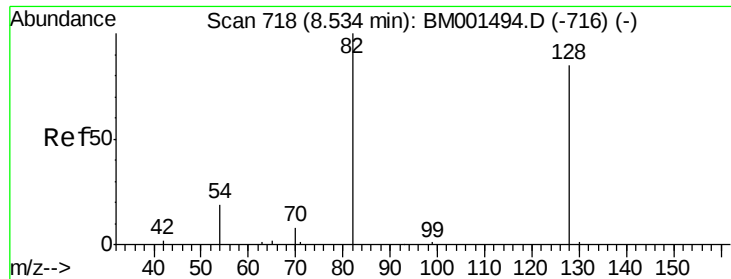
Abundance Ion 136.00 (135.70 to 136.70): BM001504.D (-816) (-)

Ion 137.00 (136.70 to 137.70): BM001504.D (-816) (-)

Ion 54.00 (53.70 to 54.70): BM001504.D (-816) (-)

Ion 68.00 (67.70 to 68.70): BM001504.D (-816) (-)





#7

Nitrobenzene-d5

Concen: 9.25 ng

RT: 8.53 min Scan# 718

Delta R.T. -0.00 min

Lab File: BM001504.D

Acq: 31 May 2015 09:55

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528MSD

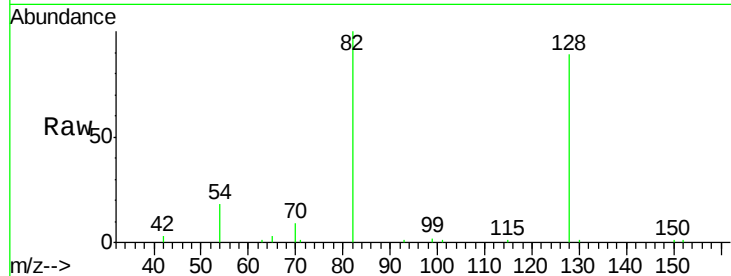
Tgt Ion: 82 Resp: 25496

Ion Ratio Lower Upper

82 100

128 89.0 68.2 102.2

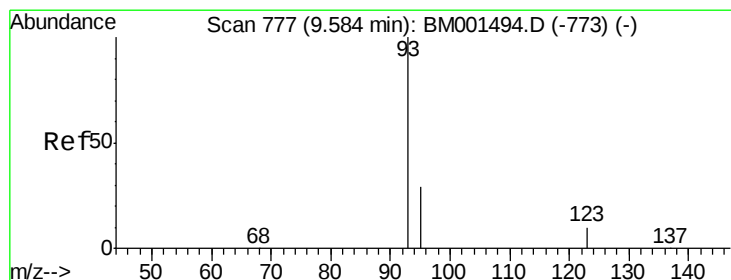
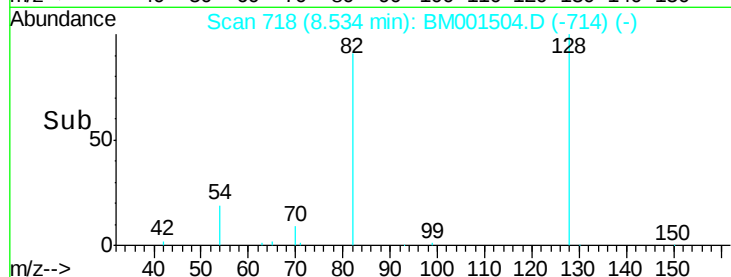
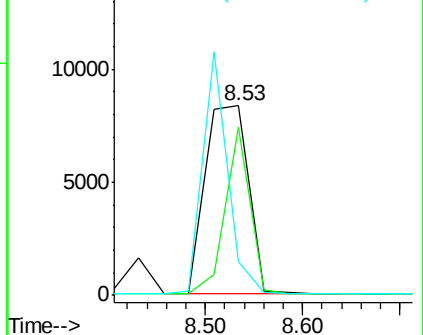
54 17.7 21.0 31.4#



Abundance Ion 82.00 (81.70 to 82.70): BM001504.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BM001504.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BM001504.D (-714) (-)



#8

bis(2-Chloroethoxy)methane

Concen: 10.03 ng

RT: 9.58 min Scan# 777

Delta R.T. -0.00 min

Lab File: BM001504.D

Acq: 31 May 2015 09:55

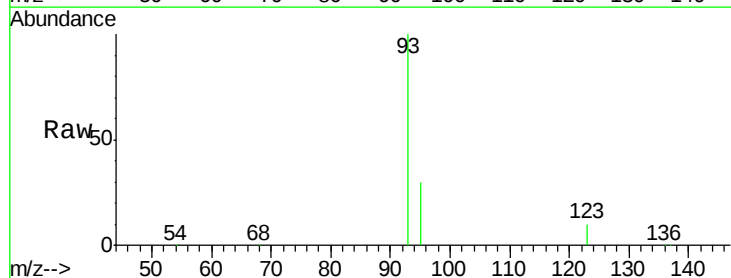
Tgt Ion: 93 Resp: 33010

Ion Ratio Lower Upper

93 100

95 29.9 25.0 37.6

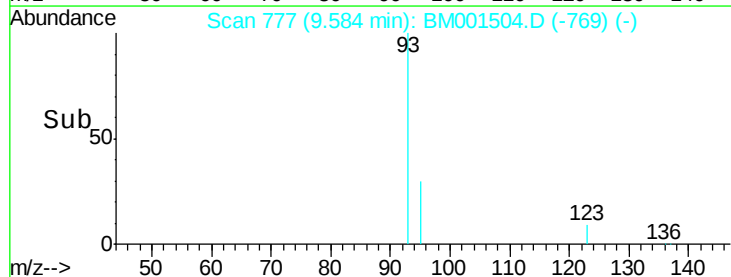
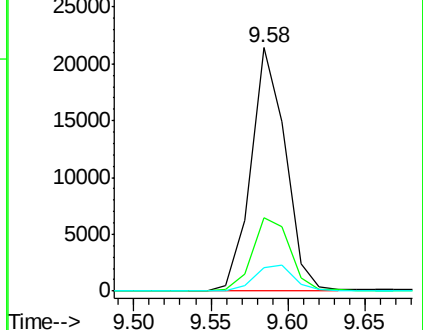
123 9.7 9.5 14.3

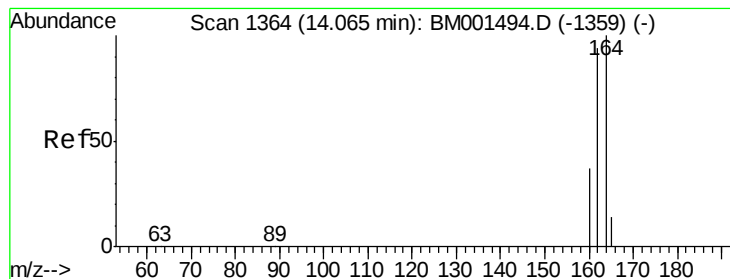


Abundance Ion 93.00 (92.70 to 93.70): BM001504.D (-769) (-)

Ion 95.00 (94.70 to 95.70): BM001504.D (-769) (-)

Ion 123.00 (122.70 to 123.70): BM001504.D (-769) (-)





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1364

Delta R.T. -0.00 min

Lab File: BM001504.D

Acq: 31 May 2015 09:55

Instrument :

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ClientSampleId :

OM-SP-002-150528MSD

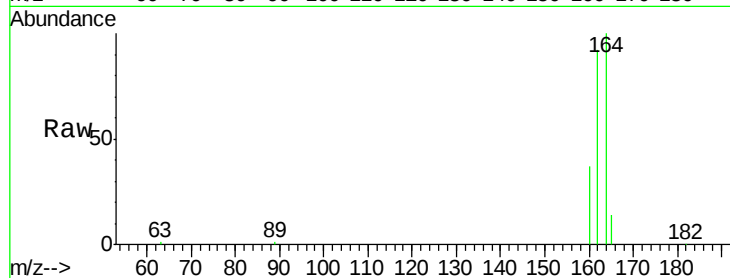
Tgt Ion:164 Resp: 27602

Ion Ratio Lower Upper

164 100

162 92.0 75.3 112.9

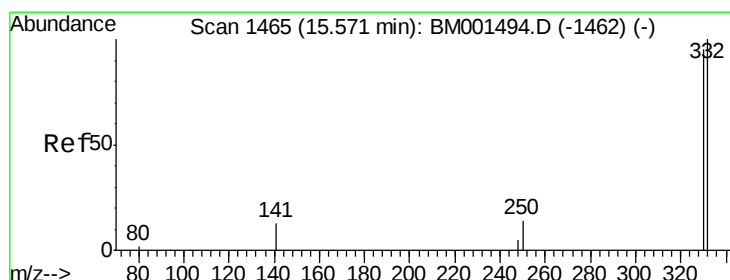
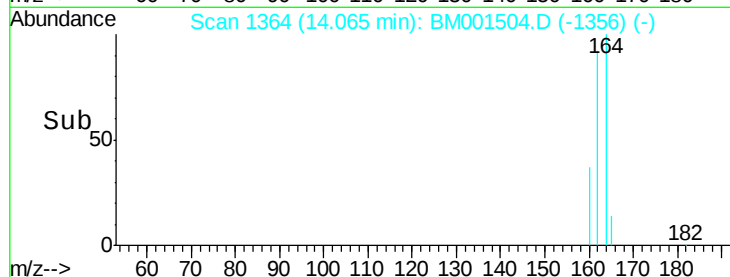
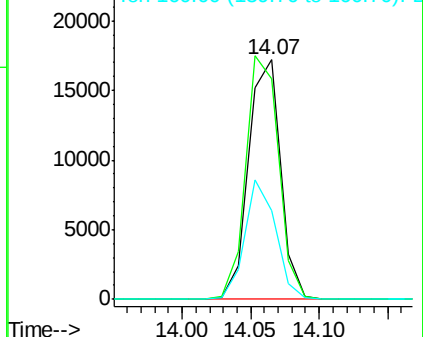
160 37.0 30.1 45.1



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: 16.47 ng

RT: 15.57 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM001504.D

Acq: 31 May 2015 09:55

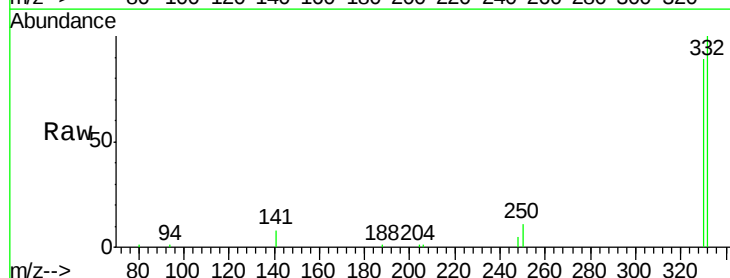
Tgt Ion:330 Resp: 16112

Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

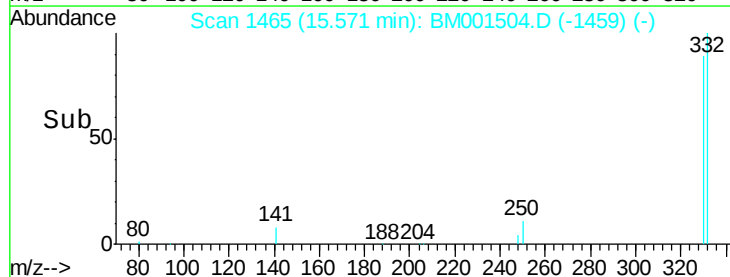
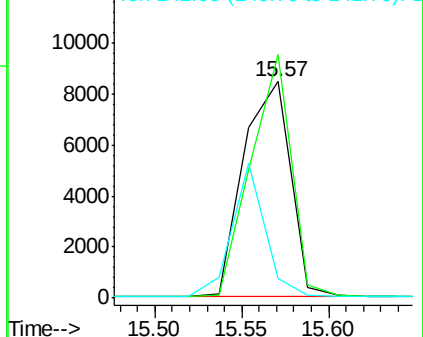
141 43.4 34.3 51.5

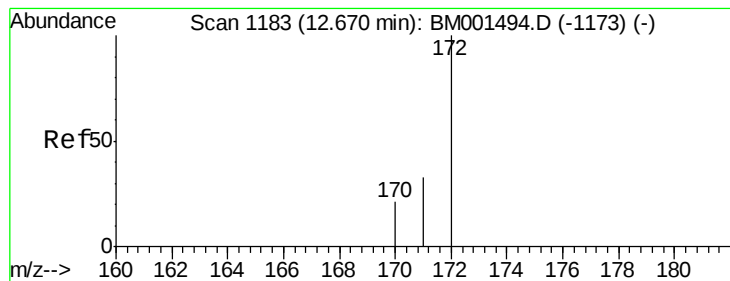


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#11

2-Fluorobiphenyl

Concen: 9.06 ng

RT: 12.67 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BM001504.D

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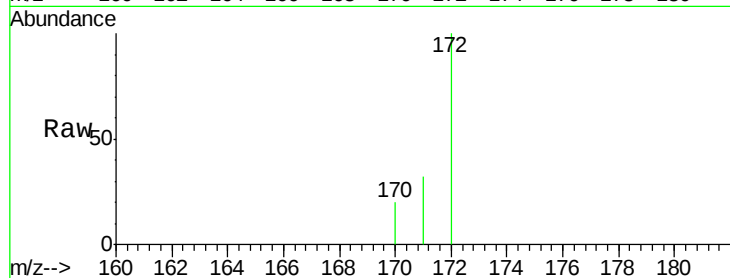
Tgt Ion:172 Resp: 72472

Ion Ratio Lower Upper

172 100

171 32.4 27.2 40.8

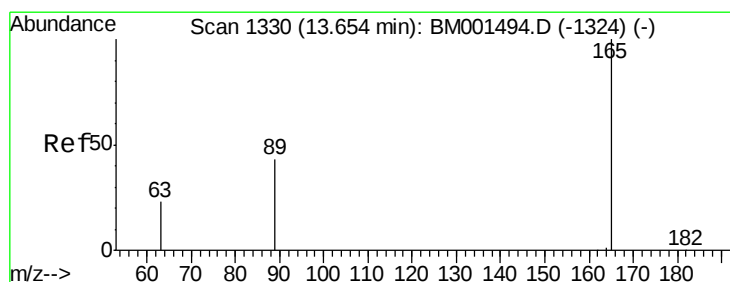
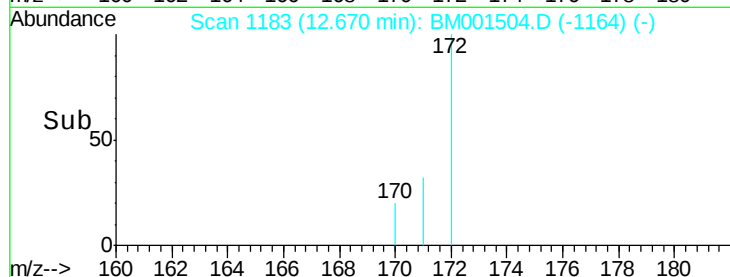
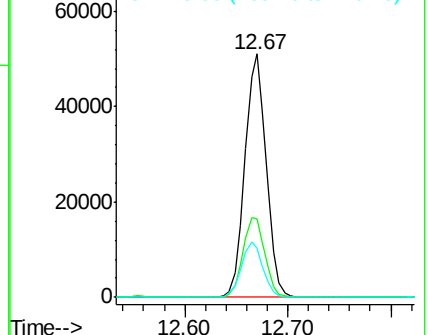
170 20.1 17.8 26.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#12

2,6-Dinitrotoluene

Concen: 9.69 ng

RT: 13.65 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BM001504.D

Acq: 31 May 2015 09:55

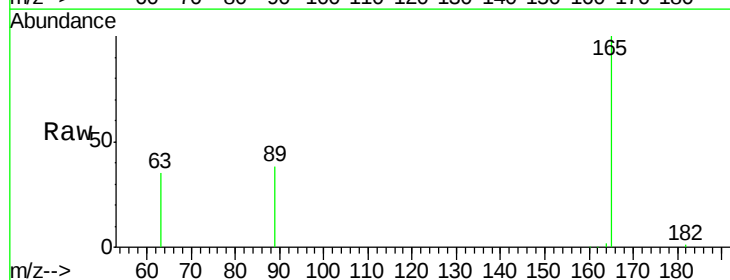
Tgt Ion:165 Resp: 16541

Ion Ratio Lower Upper

165 100

63 35.0 35.3 52.9#

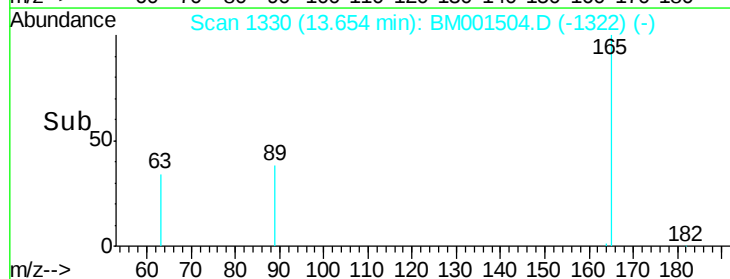
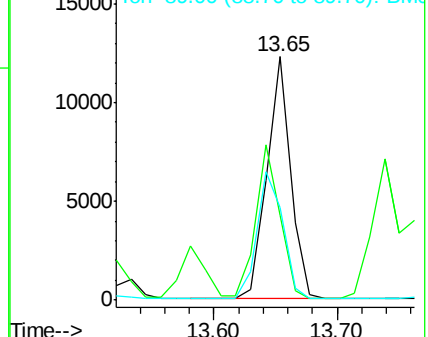
89 38.0 37.4 56.2

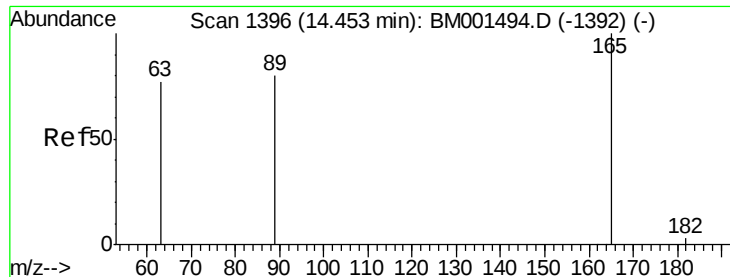


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

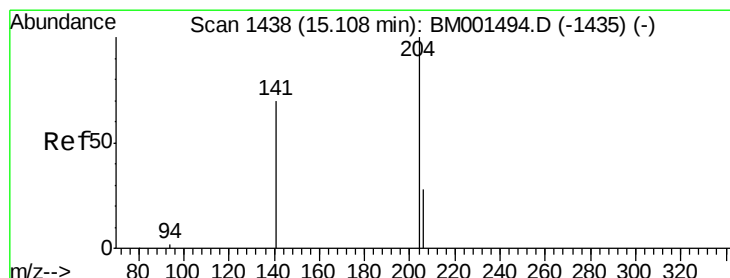
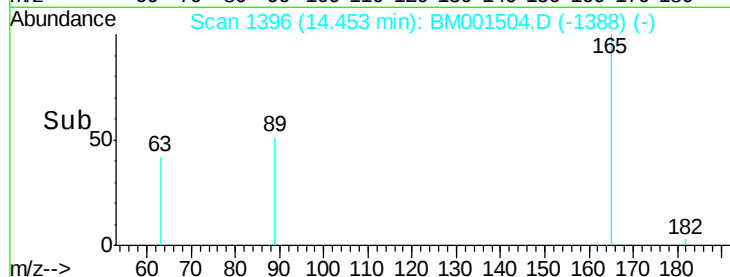
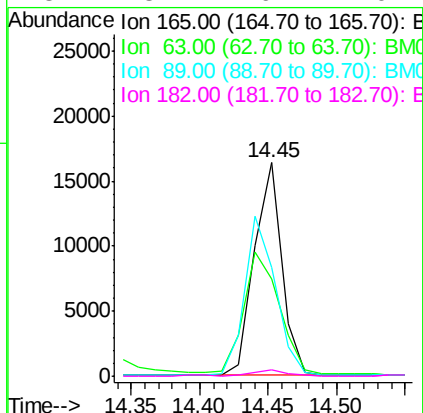
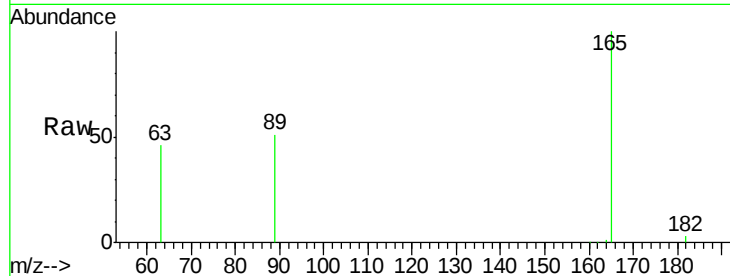




#13
 2,4-Dinitrotoluene
 Concen: 10.38 ng
 RT: 14.45 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: BM001504.D
 Acq: 31 May 2015 09:55

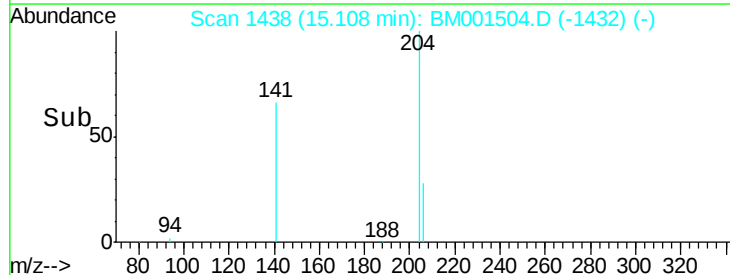
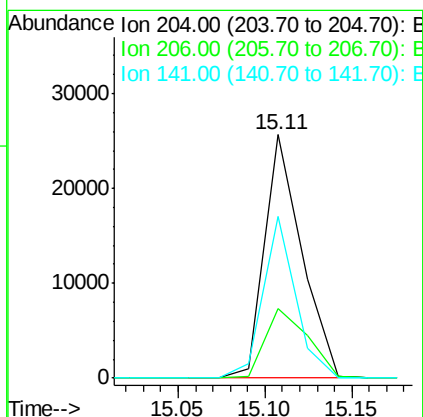
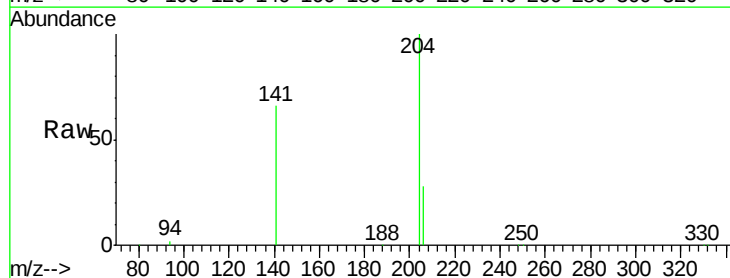
Instrument :
 BNA_M
 ClientSampleId :
 OM-SP-002-150528MSD

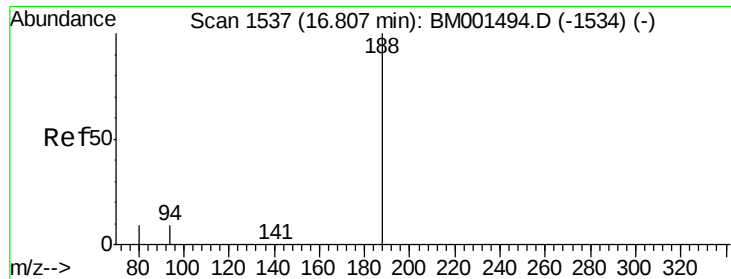
Tgt Ion:165 Resp: 22759
 Ion Ratio Lower Upper
 165 100
 63 45.7 63.9 95.9#
 89 50.9 65.0 97.6#
 182 3.1 6.2 9.4#



#14
 4-Chlorophenyl-phenylether
 Concen: 9.55 ng
 RT: 15.11 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BM001504.D
 Acq: 31 May 2015 09:55

Tgt Ion:204 Resp: 38261
 Ion Ratio Lower Upper
 204 100
 206 28.4 23.8 35.6
 141 66.3 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: BM001504.D

Acq: 31 May 2015 09:55

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528MSD

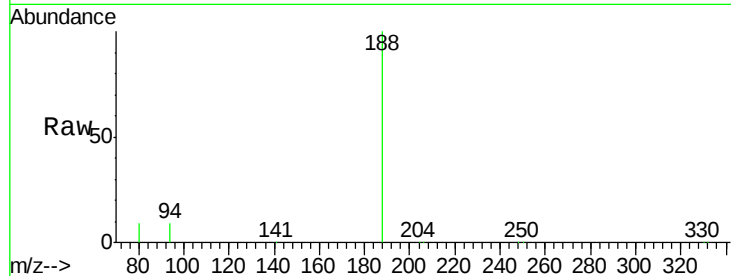
Tgt Ion:188 Resp: 56533

Ion Ratio Lower Upper

188 100

94 8.6 7.1 10.7

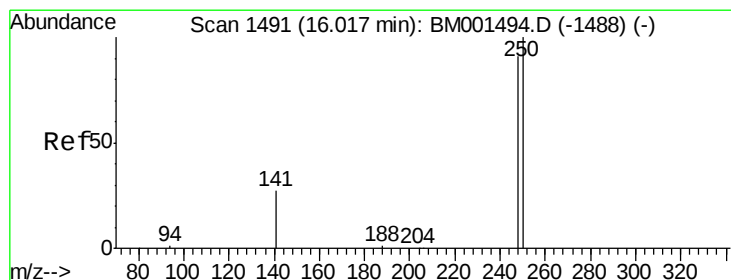
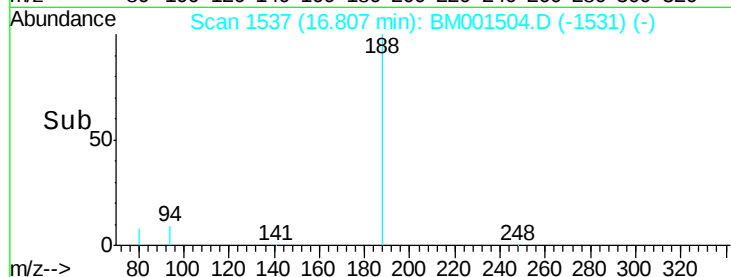
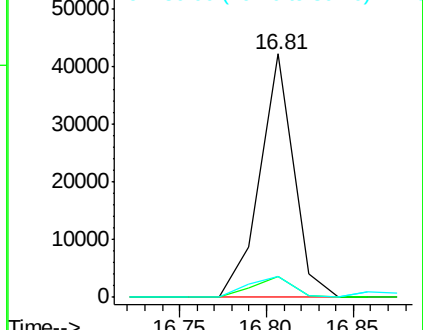
80 8.5 7.3 10.9



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: 9.51 ng

RT: 16.02 min Scan# 1491

Delta R.T. -0.00 min

Lab File: BM001504.D

Acq: 31 May 2015 09:55

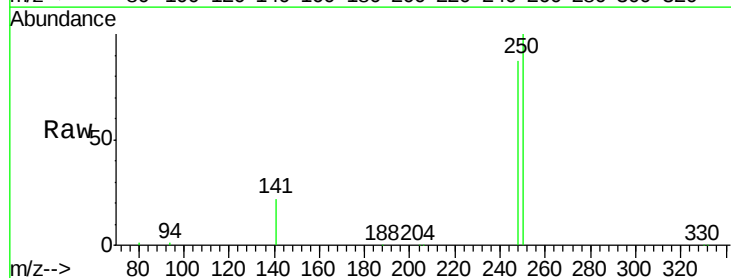
Tgt Ion:248 Resp: 22401

Ion Ratio Lower Upper

248 100

250 115.0 87.3 130.9

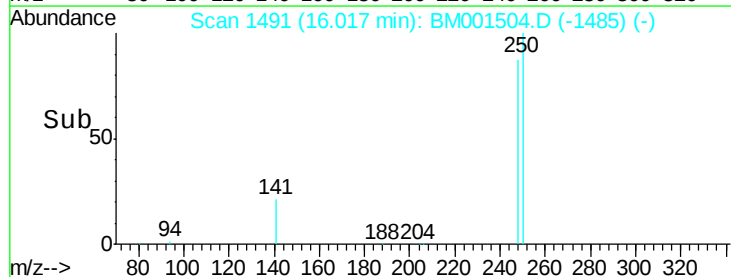
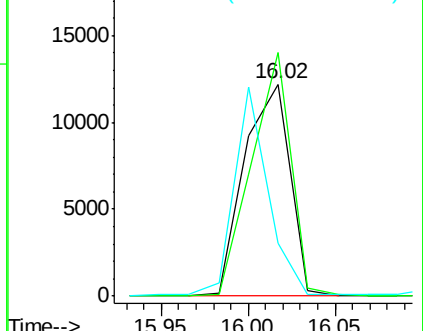
141 24.9 25.8 38.8#

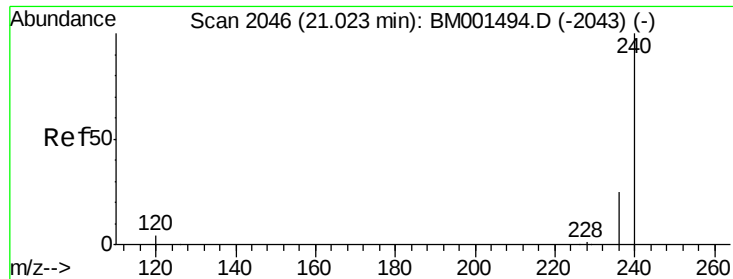


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

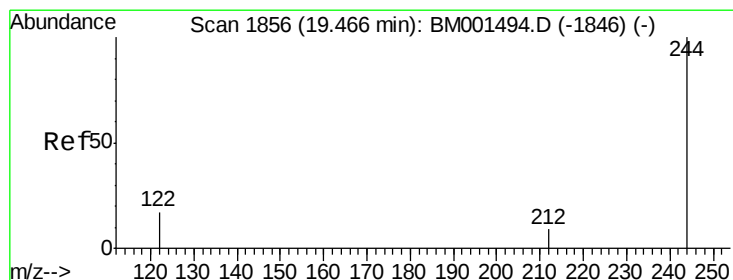
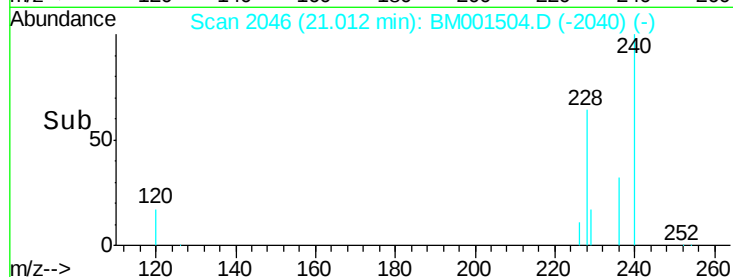
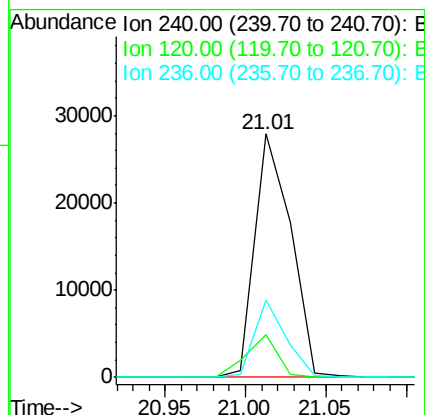
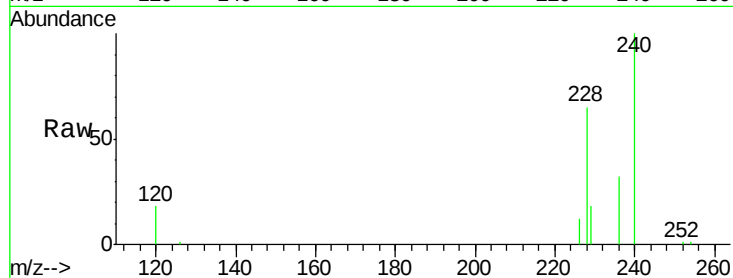




#17
Chrysene-d12
Concen: 5.00 ng
RT: 21.01 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BM001504.D
Acq: 31 May 2015 09:55

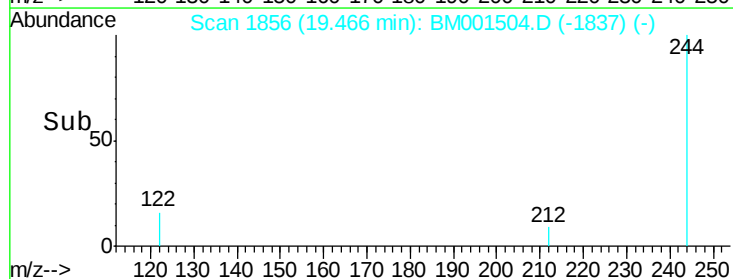
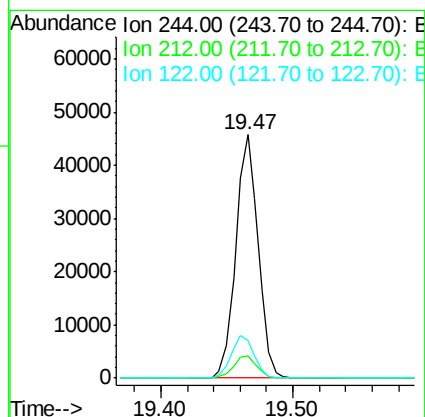
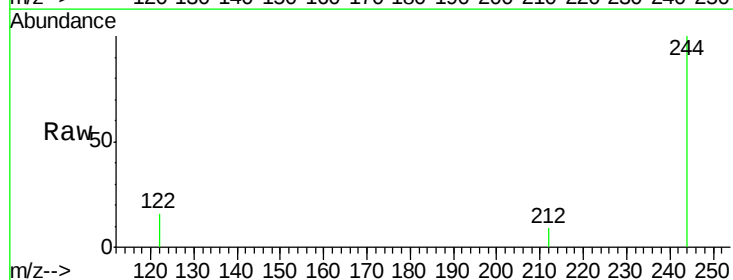
Instrument :
BNA_M
ClientSampleId :
OM-SP-002-150528MSD

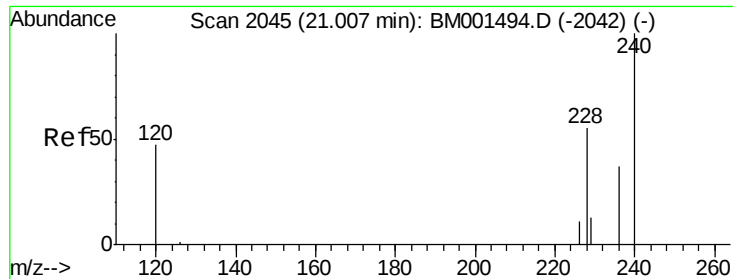
Tgt Ion:240 Resp: 43484
Ion Ratio Lower Upper
240 100
120 17.6 3.7 5.5#
236 31.8 19.8 29.8#



#18
Terphenyl-d14
Concen: 9.21 ng
RT: 19.47 min Scan# 1856
Delta R.T. -0.00 min
Lab File: BM001504.D
Acq: 31 May 2015 09:55

Tgt Ion:244 Resp: 53569
Ion Ratio Lower Upper
244 100
212 8.9 8.0 12.0
122 15.6 14.1 21.1





#19

Benzo(a)anthracene

Concen: 9.26 ng

RT: 21.00 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BM001504.D

Acq: 31 May 2015 09:55

Instrument :

BNA_M

ClientSampleId :

OM-SP-002-150528MSD

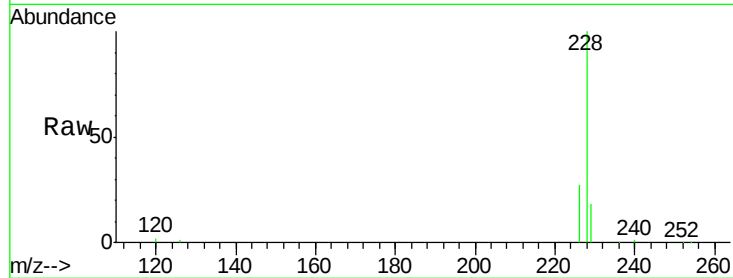
Tgt Ion:228 Resp: 109807

Ion Ratio Lower Upper

228 100

226 27.3 17.5 26.3#

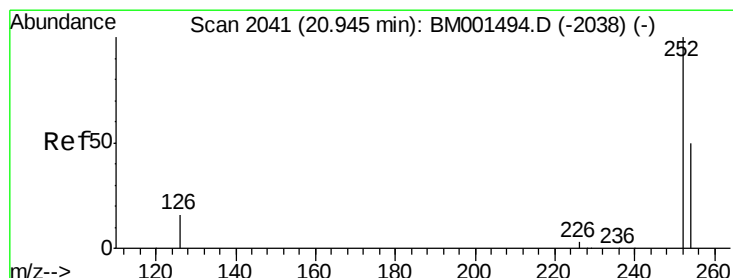
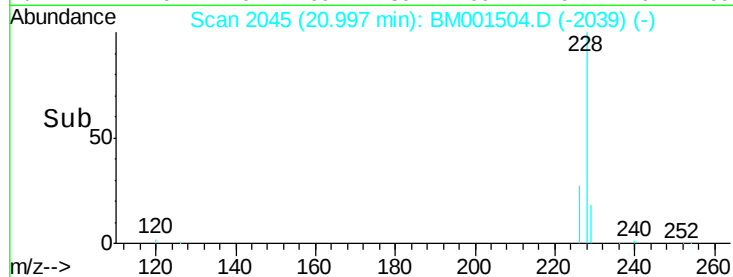
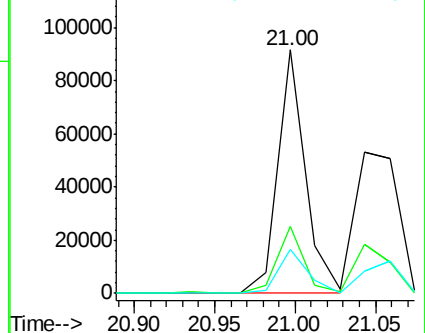
229 18.1 19.0 28.4#



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: 11.42 ng

RT: 20.95 min Scan# 2042

Delta R.T. 0.01 min

Lab File: BM001504.D

Acq: 31 May 2015 09:55

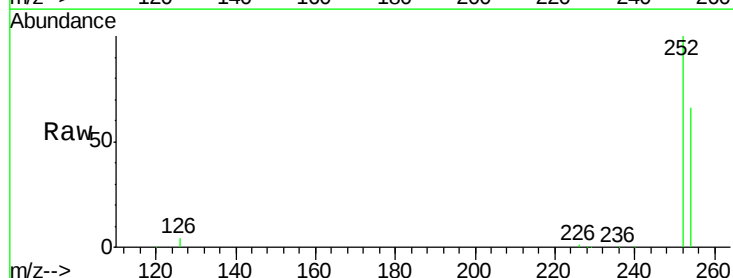
Tgt Ion:252 Resp: 44212

Ion Ratio Lower Upper

252 100

254 66.2 41.2 61.8#

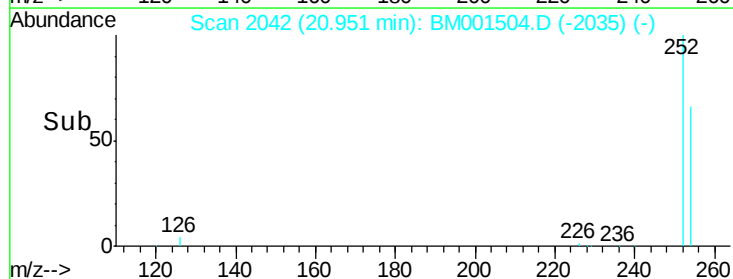
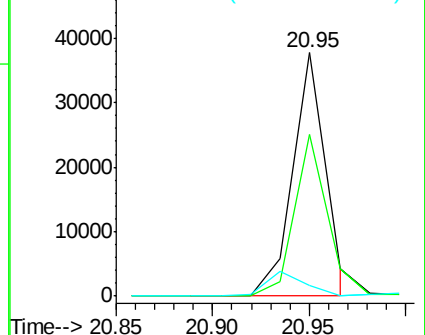
126 4.2 14.7 22.1#

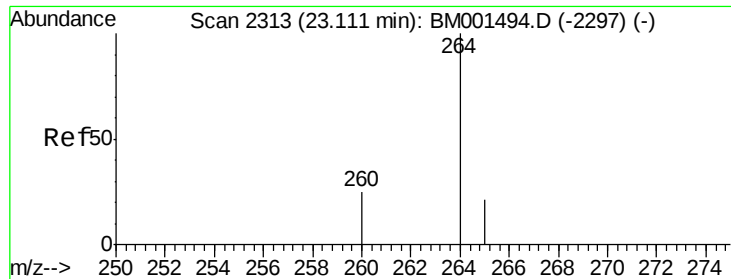


Abundance Ion 252.00 (251.70 to 252.70): E

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# 2314
Delta R.T. -0.00 min
Lab File: BM001504.D
Acq: 31 May 2015 09:55

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

Tgt Ion: 264 Resp: 37970
Ion Ratio Lower Upper
264 100
260 25.3 19.8 29.8
265 21.6 18.0 27.0

