

Data Path : Z:\HPCHEM1\BNA_M\Data\BM052815\
 Data File : BM001441.D
 Acq On : 29 May 2015 00:30
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Quant Time: May 29 04:15:06 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM052815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 03:45:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	12554	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	41139	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	24168	5.00	ng	0.00
15) Phenanthrene-d10	16.82	188	53949	5.00	ng	0.01
17) Chrysene-d12	21.03	240	49590	5.00	ng	0.00
21) Perylene-d12	23.11	264	43504	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	1989	1.03	ng	0.00
3) Phenol-d6	6.57	99	2210	1.09	ng	-0.03
7) Nitrobenzene-d5	8.53	82	2212	1.01	ng	0.00
10) 2,4,6-Tribromophenol	15.56	330	791	1.00	ng	0.00
11) 2-Fluorobiphenyl	12.68	172	6932	1.03	ng	0.00
18) Terphenyl-d14	19.47	244	6356	1.03	ng	0.00

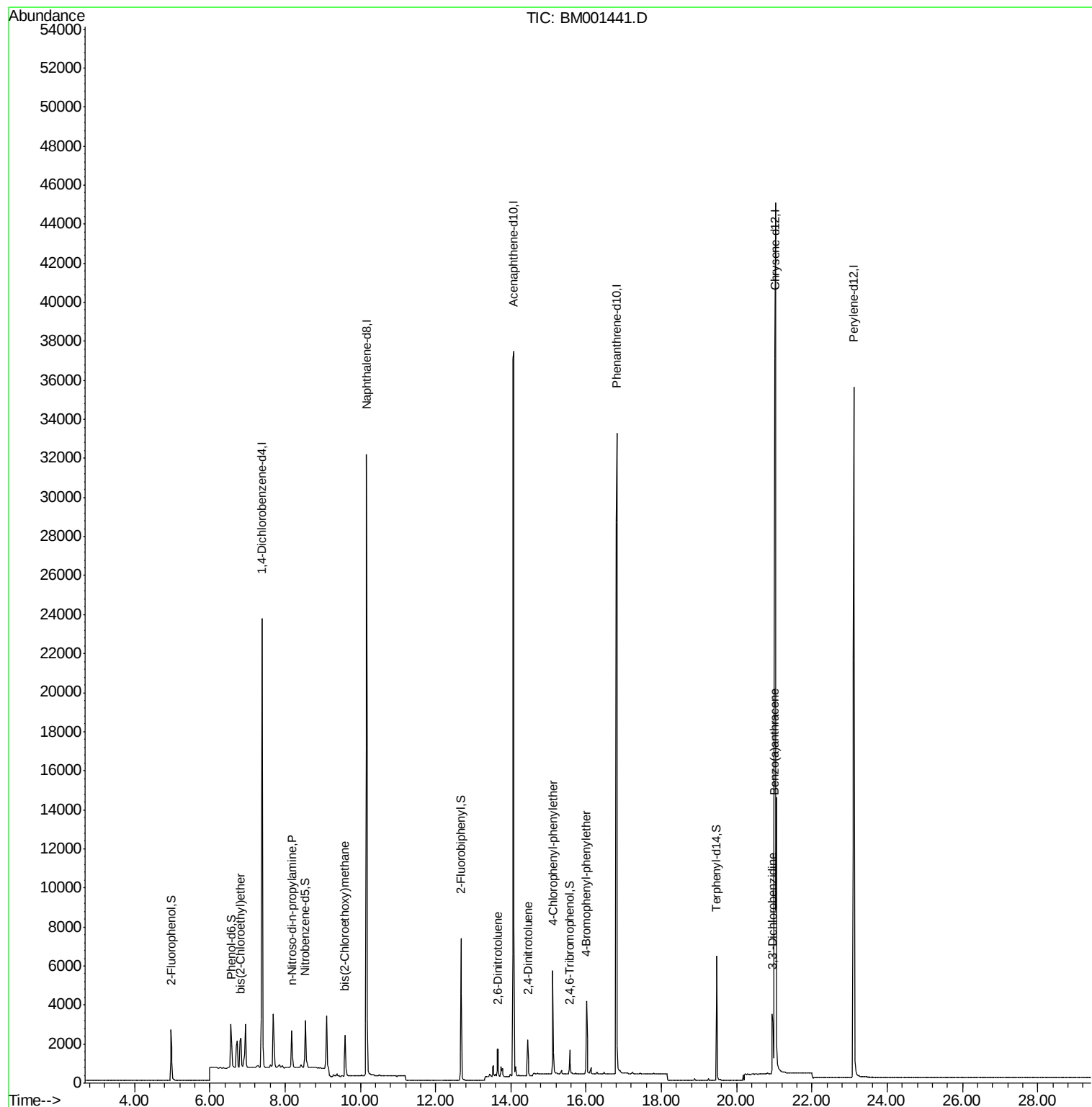
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.82	93	2078	0.99	ng	92
5) n-Nitroso-di-n-propylamine	8.18	70	1485	1.08	ng	83
8) bis(2-Chloroethoxy)methane	9.60	93	2485	1.01	ng	98
12) 2,6-Dinitrotoluene	13.66	165	1033	0.94	ng	# 87
13) 2,4-Dinitrotoluene	14.46	165	1189	0.91	ng	# 79
14) 4-Chlorophenyl-phenylether	15.12	204	3823	1.03	ng	# 89
16) 4-Bromophenyl-phenylether	16.01	248	2204	1.04	ng	# 80
19) Benzo(a)anthracene	21.00	228	12854	1.04	ng	# 85
20) 3,3'-Dichlorobenzidine	20.95	252	3485	1.08	ng	# 75

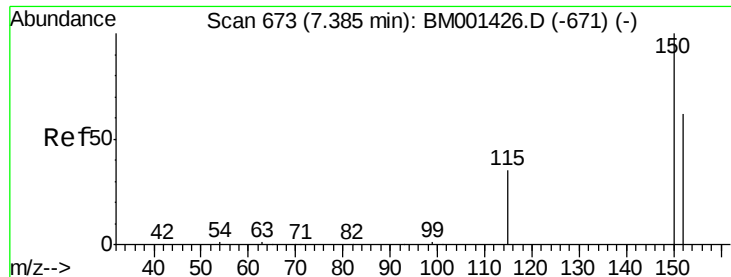
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM052815\
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ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
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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: BM001441.D

Acq: 29 May 2015 00:30

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

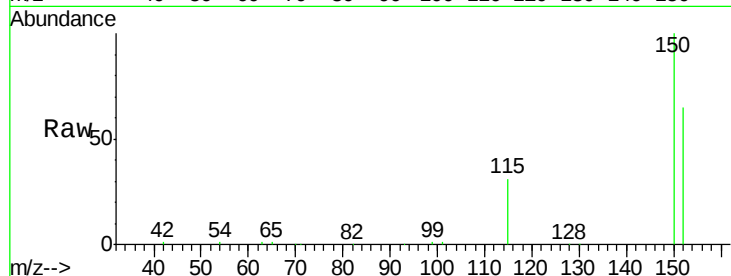
Tgt Ion:152 Resp: 12554

Ion Ratio Lower Upper

152 100

150 153.6 128.4 192.6

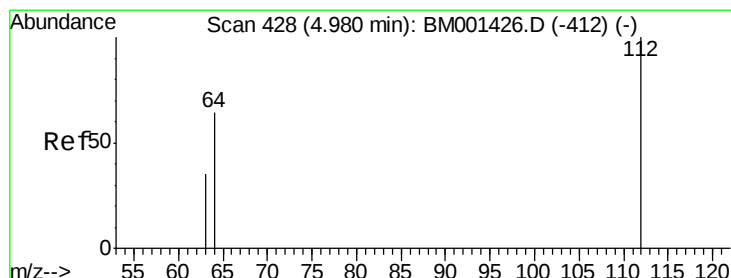
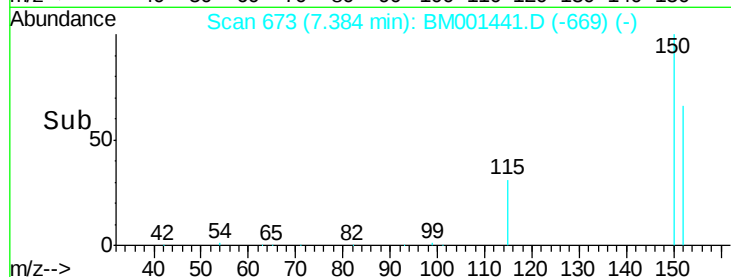
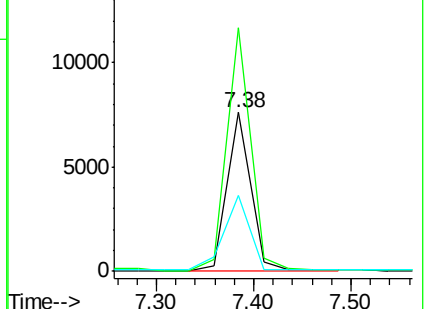
115 47.7 45.6 68.4



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



#2

2-Fluorophenol

Concen: 1.03 ng

RT: 4.97 min Scan# 427

Delta R.T. -0.01 min

Lab File: BM001441.D

Acq: 29 May 2015 00:30

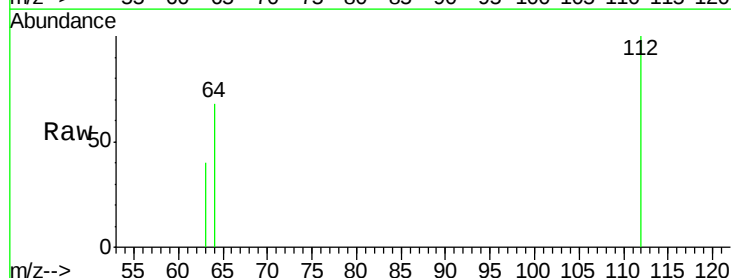
Tgt Ion:112 Resp: 1989

Ion Ratio Lower Upper

112 100

64 67.5 52.1 78.1

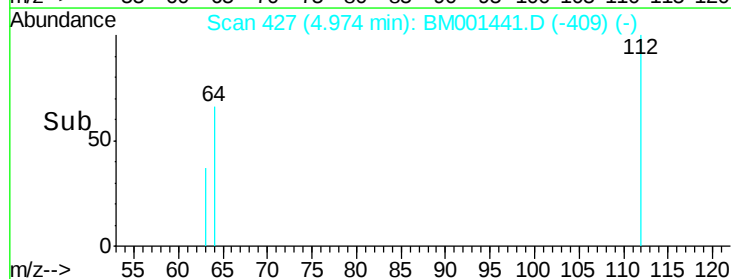
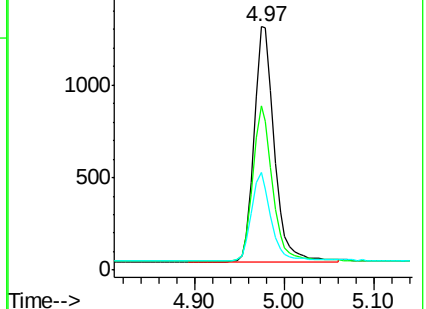
63 40.1 30.2 45.2

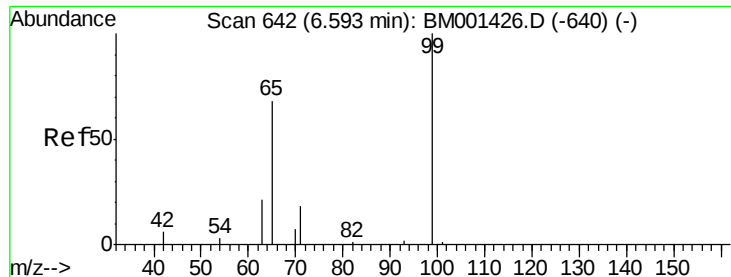


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#3

Phenol-d6

Concen: 1.09 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.03 min

Lab File: BM001441.D

Acq: 29 May 2015 00:30

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

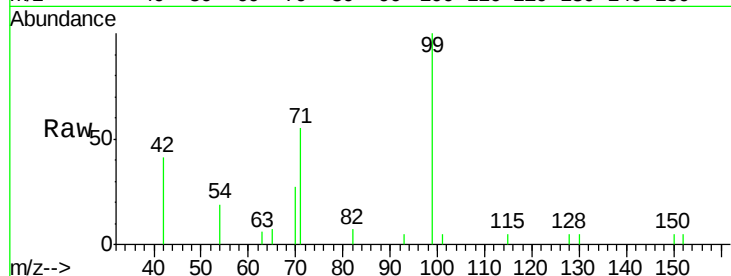
Tgt Ion: 99 Resp: 2210

Ion Ratio Lower Upper

99 100

42 41.2 13.7 20.5#

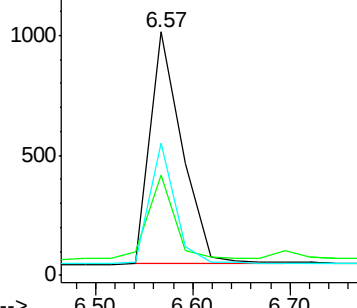
71 54.6 19.8 29.6#



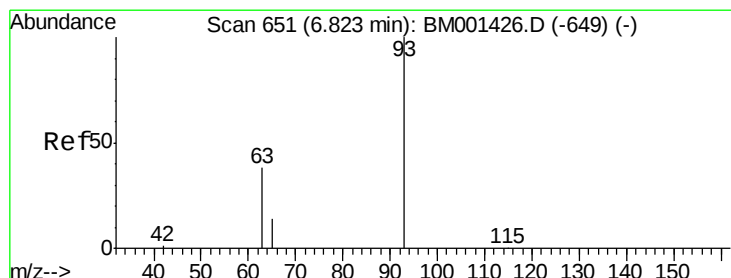
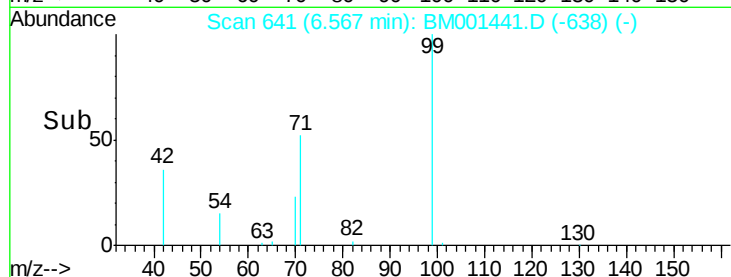
Abundance Ion 99.00 (98.70 to 99.70): BM001426.D (-640) (-)

Ion 42.00 (41.70 to 42.70): BM001426.D (-640) (-)

Ion 71.00 (70.70 to 71.70): BM001426.D (-640) (-)



Time-->



#4

bis(2-Chloroethyl)ether

Concen: 0.99 ng

RT: 6.82 min Scan# 651

Delta R.T. -0.00 min

Lab File: BM001441.D

Acq: 29 May 2015 00:30

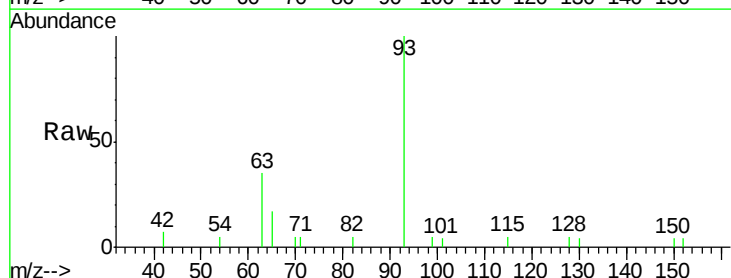
Tgt Ion: 93 Resp: 2078

Ion Ratio Lower Upper

93 100

63 35.0 20.0 60.0

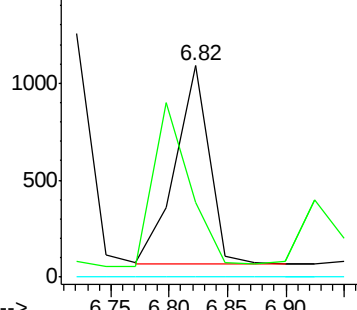
95 0.0 0.0 20.0



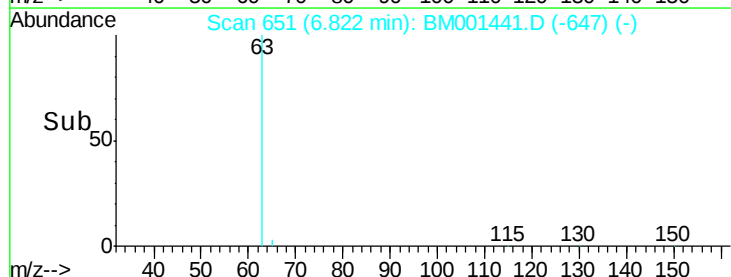
Abundance Ion 93.00 (92.70 to 93.70): BM001426.D (-649) (-)

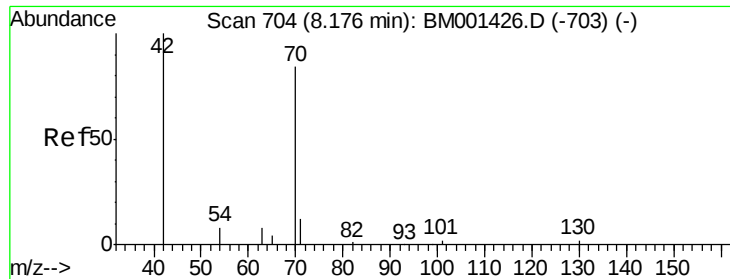
Ion 63.00 (62.70 to 63.70): BM001426.D (-649) (-)

Ion 95.00 (94.70 to 95.70): BM001426.D (-649) (-)



Time-->





#5

n-Nitroso-di-n-propylamine

Concen: 1.08 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001441.D

Acq: 29 May 2015 00:30

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

Tgt Ion: 70 Resp: 1485

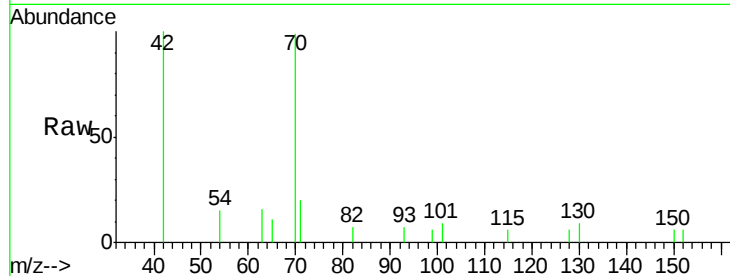
Ion Ratio Lower Upper

70 100

42 100.8 97.8 146.6

101 9.3 8.2 12.2

130 8.7 7.5 11.3

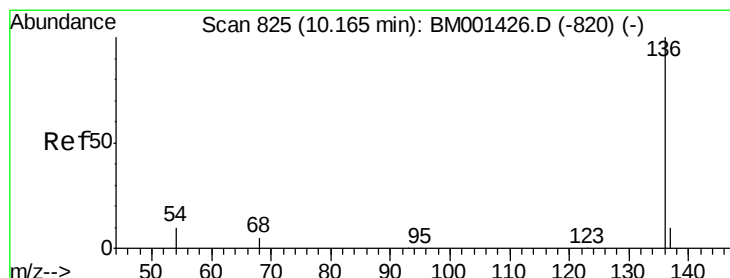
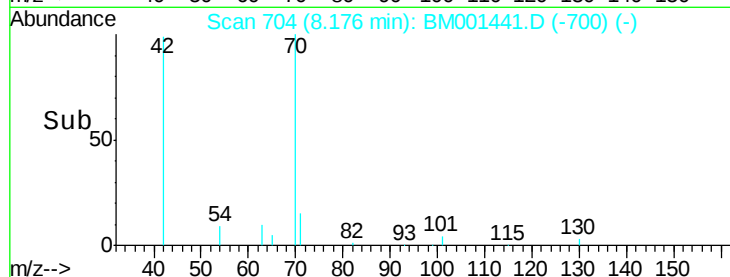
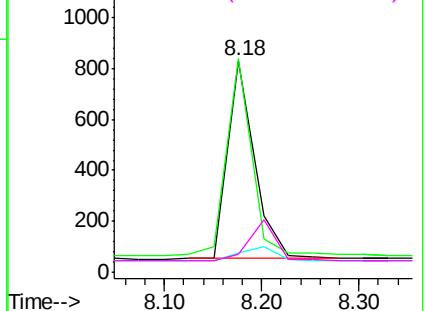


Abundance Ion 70.00 (69.70 to 70.70): BM0

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: 10.16 min Scan# 825

Delta R.T. -0.00 min

Lab File: BM001441.D

Acq: 29 May 2015 00:30

Tgt Ion: 136 Resp: 41139

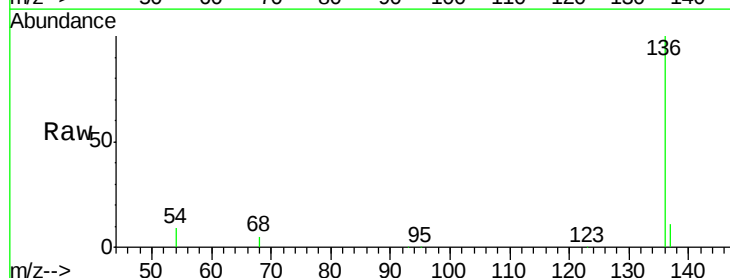
Ion Ratio Lower Upper

136 100

137 10.8 8.3 12.5

54 8.5 8.2 12.4

68 5.0 4.5 6.7

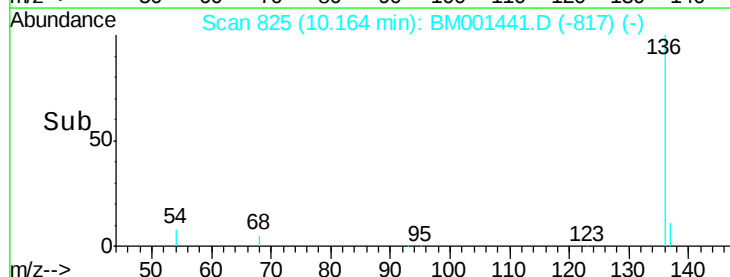
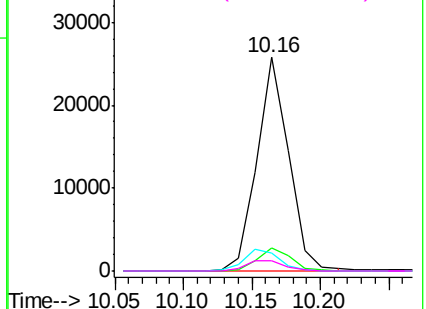


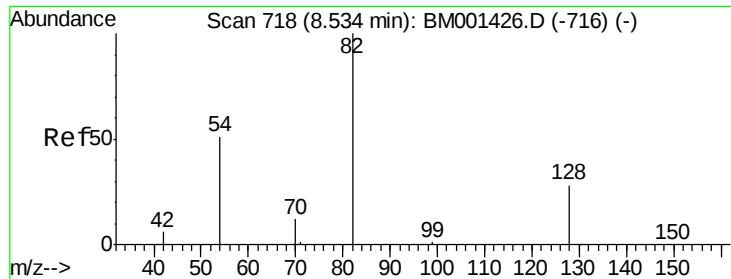
Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.01 ng

RT: 8.53 min Scan# 718

Delta R.T. -0.00 min

Lab File: BM001441.D

Acq: 29 May 2015 00:30

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

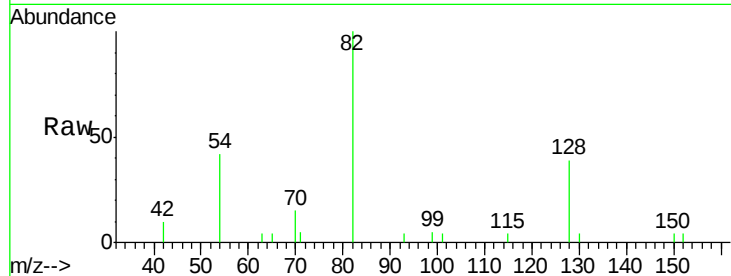
Tgt Ion: 82 Resp: 2212

Ion Ratio Lower Upper

82 100

128 39.3 24.4 36.6#

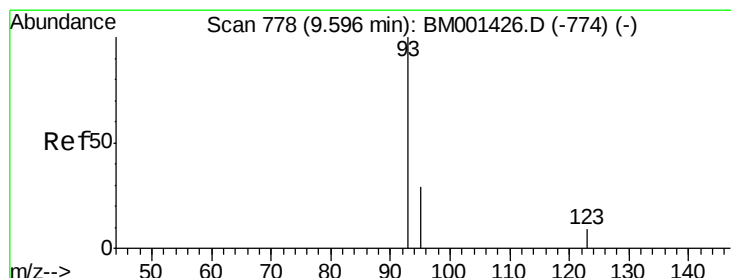
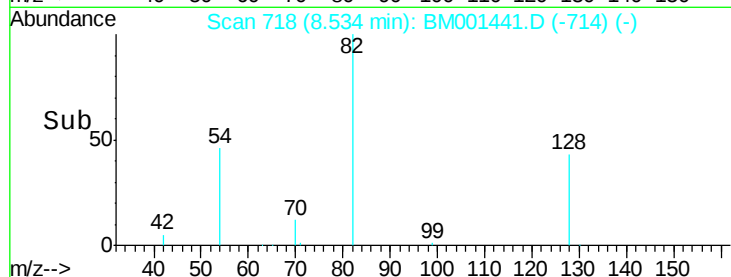
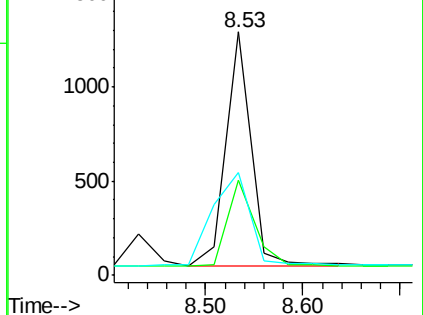
54 42.4 42.3 63.5



Abundance Ion 82.00 (81.70 to 82.70): BM001441.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BM001441.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BM001441.D (-714) (-)



#8

bis(2-Chloroethoxy)methane

Concen: 1.01 ng

RT: 9.60 min Scan# 778

Delta R.T. -0.00 min

Lab File: BM001441.D

Acq: 29 May 2015 00:30

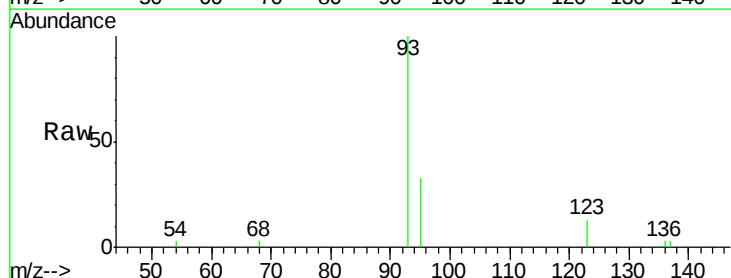
Tgt Ion: 93 Resp: 2485

Ion Ratio Lower Upper

93 100

95 32.6 25.3 37.9

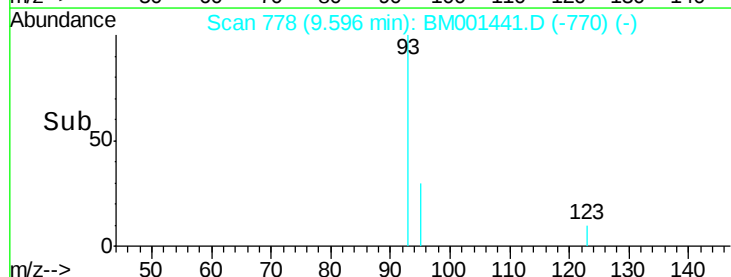
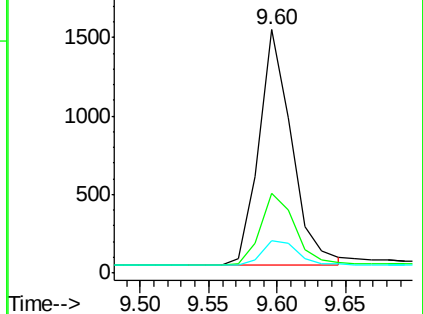
123 13.0 10.2 15.2

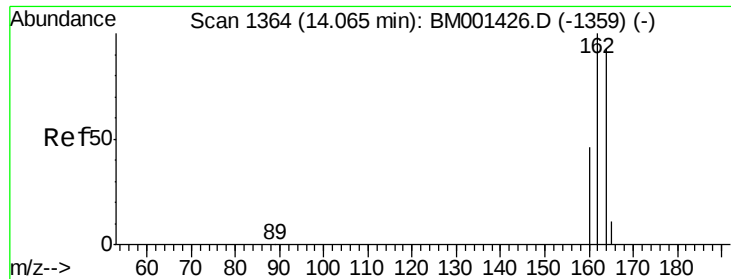


Abundance Ion 93.00 (92.70 to 93.70): BM001441.D (-770) (-)

Ion 95.00 (94.70 to 95.70): BM001441.D (-770) (-)

Ion 123.00 (122.70 to 123.70): BM001441.D (-770) (-)





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1365

Delta R.T. 0.01 min

Lab File: BM001441.D

Acq: 29 May 2015 00:30

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

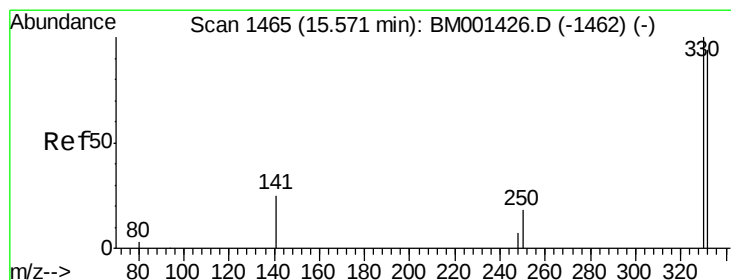
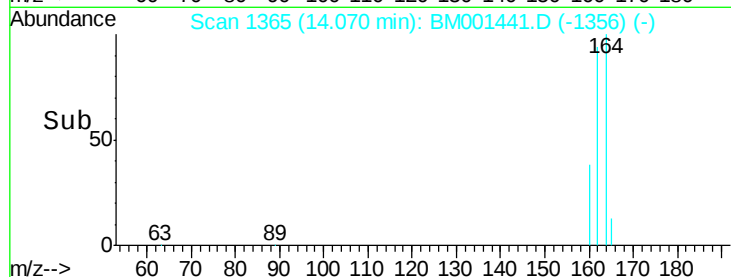
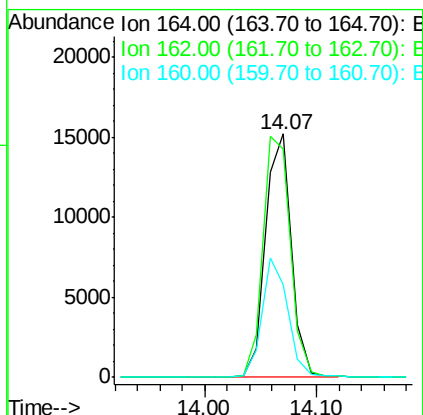
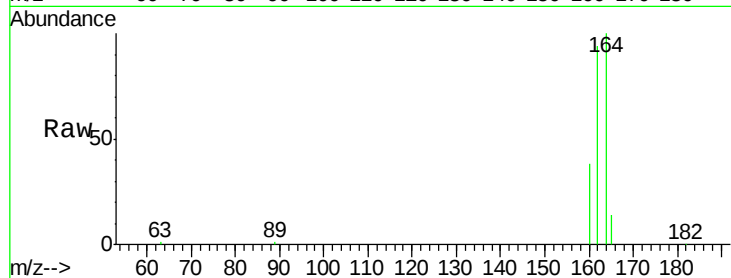
Tgt Ion:164 Resp: 24168

Ion Ratio Lower Upper

164 100

162 93.6 86.2 129.2

160 37.8 39.4 59.2#



#10

2,4,6-Tribromophenol

Concen: 1.00 ng

RT: 15.56 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BM001441.D

Acq: 29 May 2015 00:30

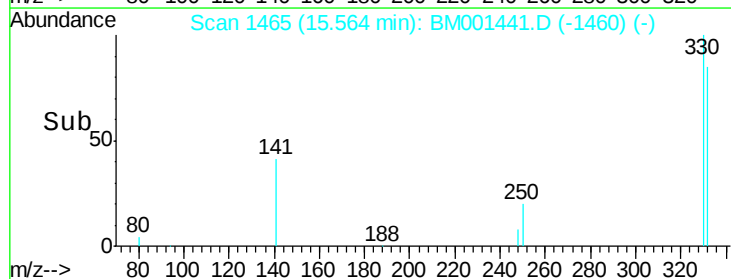
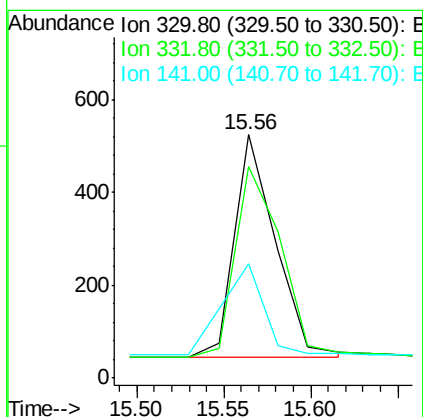
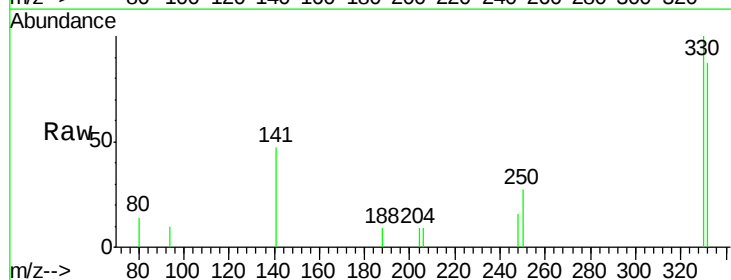
Tgt Ion:330 Resp: 791

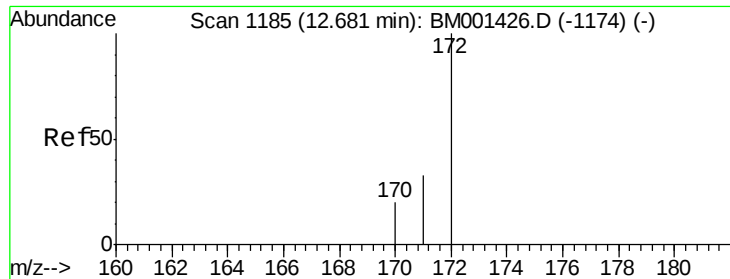
Ion Ratio Lower Upper

330 100

332 94.7 76.3 114.5

141 42.6 35.0 52.4

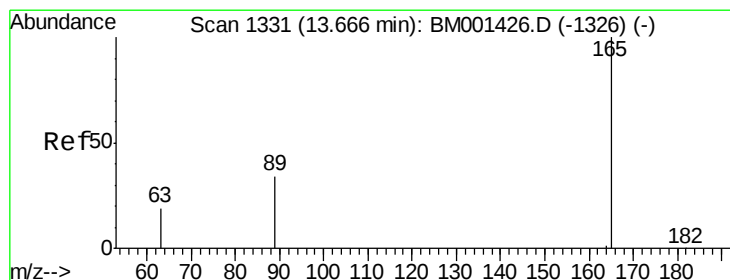
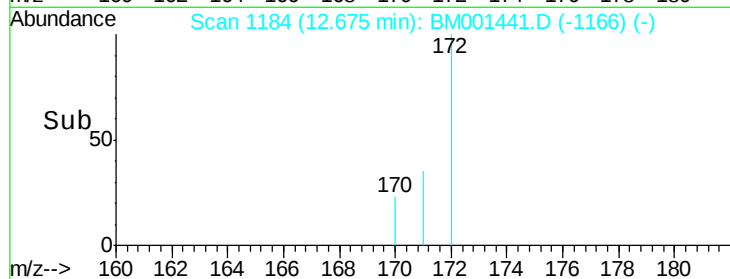
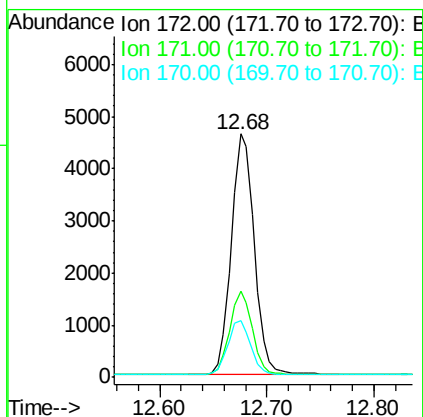
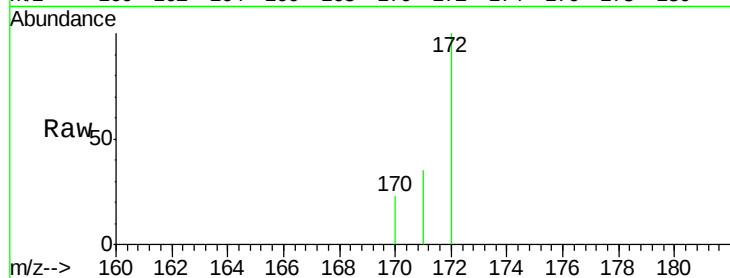




#11
2-Fluorobiphenyl
Concen: 1.03 ng
RT: 12.68 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BM001441.D
Acq: 29 May 2015 00:30

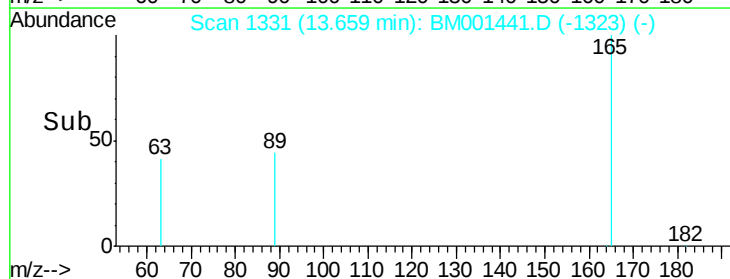
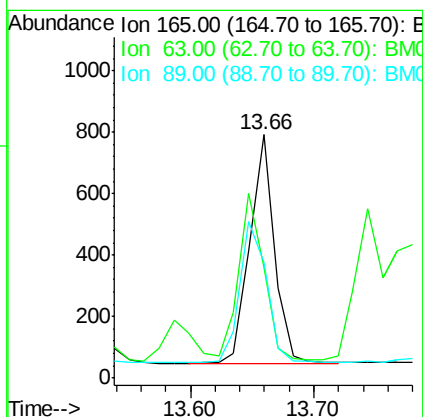
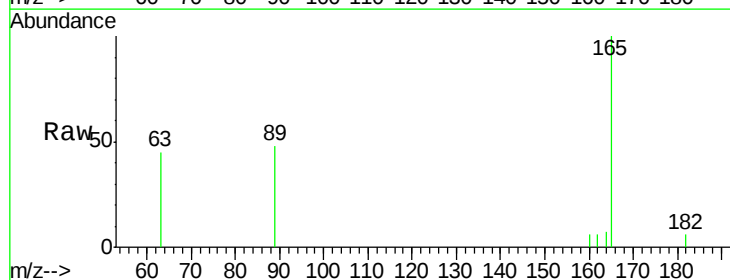
Instrument :
BNA_M
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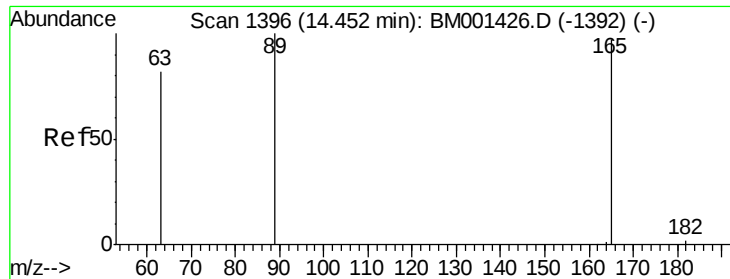
Tgt Ion:172 Resp: 6932
Ion Ratio Lower Upper
172 100
171 35.5 26.9 40.3
170 23.5 17.1 25.7



#12
2,6-Dinitrotoluene
Concen: 0.94 ng
RT: 13.66 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BM001441.D
Acq: 29 May 2015 00:30

Tgt Ion:165 Resp: 1033
Ion Ratio Lower Upper
165 100
63 45.2 29.1 43.7#
89 47.6 32.1 48.1

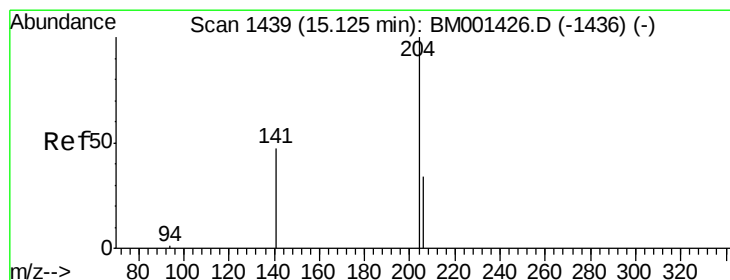
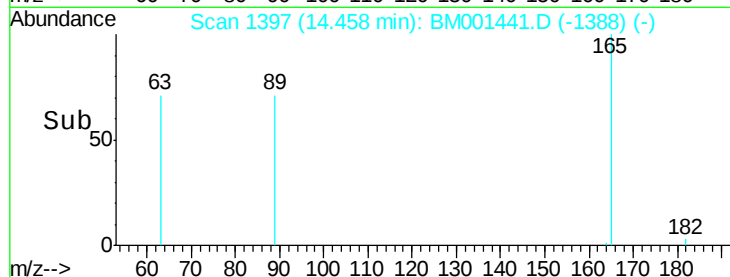
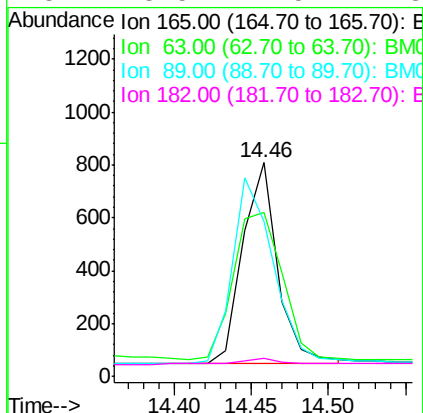
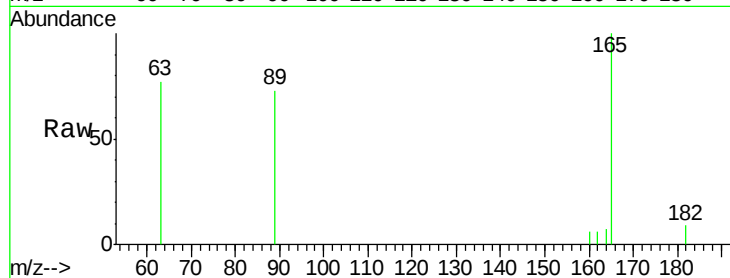




#13
 2,4-Dinitrotoluene
 Concen: 0.91 ng
 RT: 14.46 min Scan# 1397
 Delta R.T. 0.01 min
 Lab File: BM001441.D
 Acq: 29 May 2015 00:30

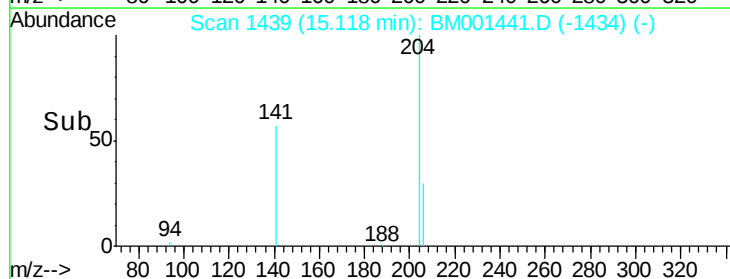
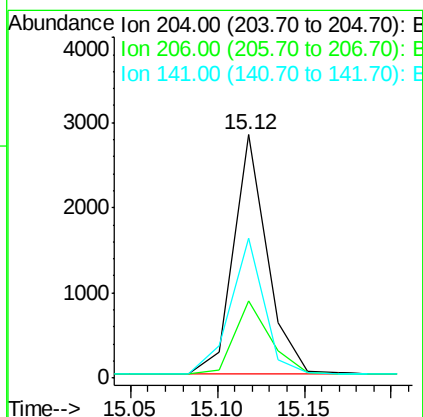
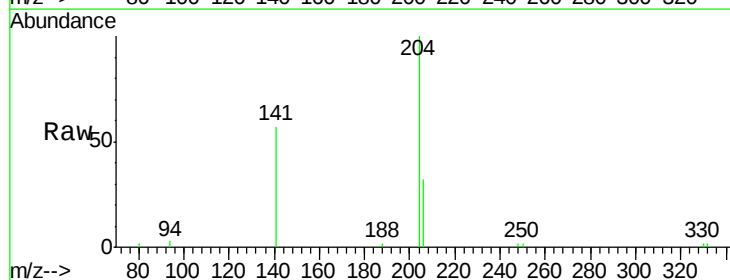
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

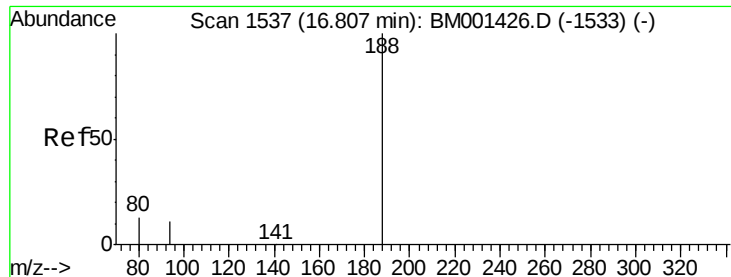
Tgt Ion:165 Resp: 1189
 Ion Ratio Lower Upper
 165 100
 63 77.0 70.6 105.8
 89 72.7 82.4 123.6#
 182 8.5 7.5 11.3



#14
 4-Chlorophenyl-phenylether
 Concen: 1.03 ng
 RT: 15.12 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BM001441.D
 Acq: 29 May 2015 00:30

Tgt Ion:204 Resp: 3823
 Ion Ratio Lower Upper
 204 100
 206 31.6 27.8 41.8
 141 57.4 38.2 57.4#





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.82 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BM001441.D

Acq: 29 May 2015 00:30

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

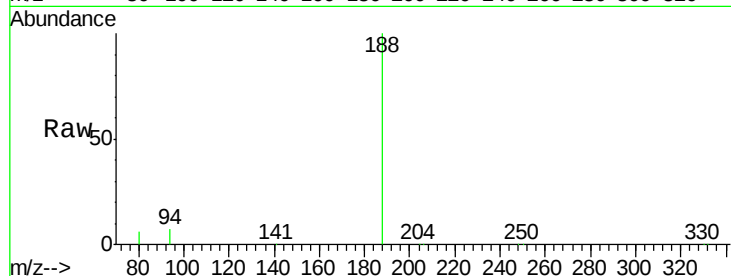
Tgt Ion:188 Resp: 53949

Ion Ratio Lower Upper

188 100

94 6.9 9.0 13.4#

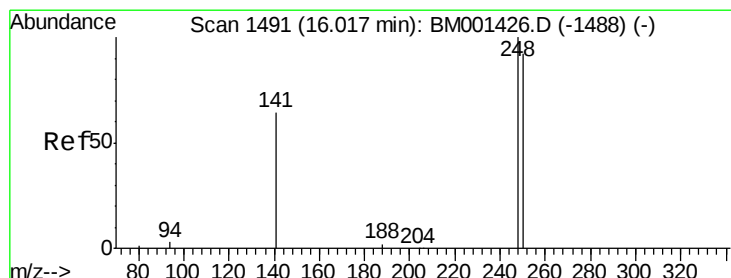
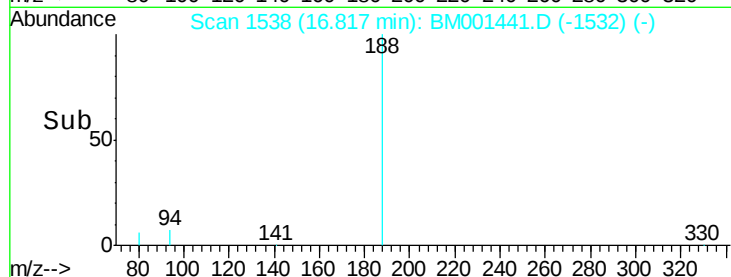
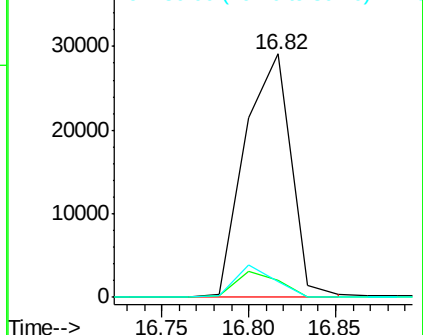
80 6.3 10.6 15.8#



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: 1.04 ng

RT: 16.01 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BM001441.D

Acq: 29 May 2015 00:30

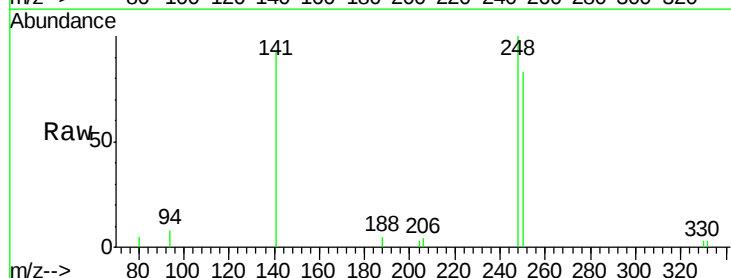
Tgt Ion:248 Resp: 2204

Ion Ratio Lower Upper

248 100

250 83.1 74.1 111.1

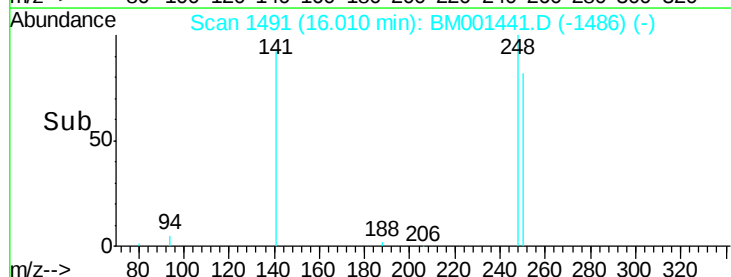
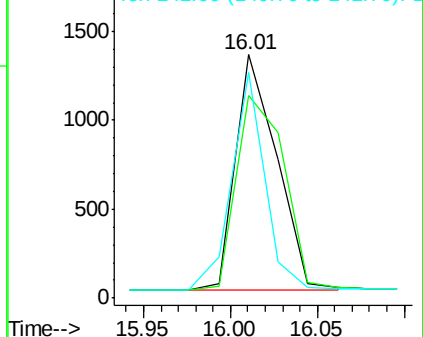
141 92.8 52.4 78.6#

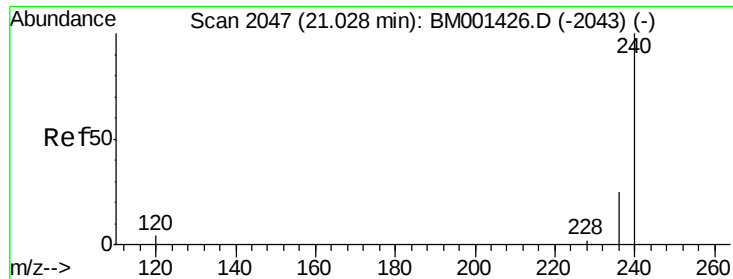


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

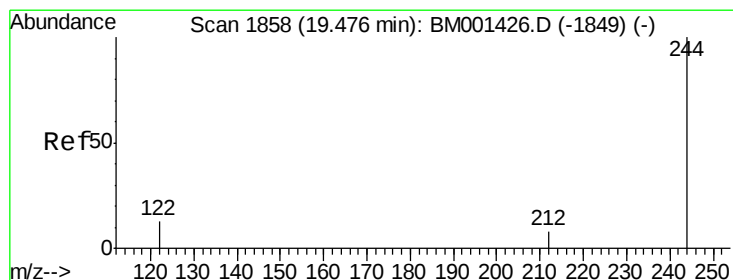
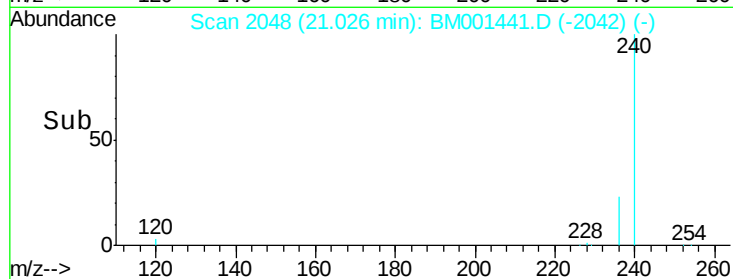
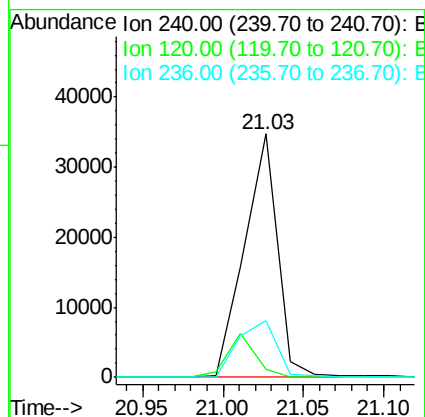
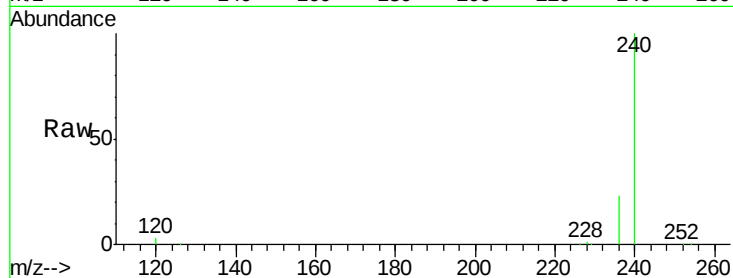




#17
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.03 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: BM001441.D
 Acq: 29 May 2015 00:30

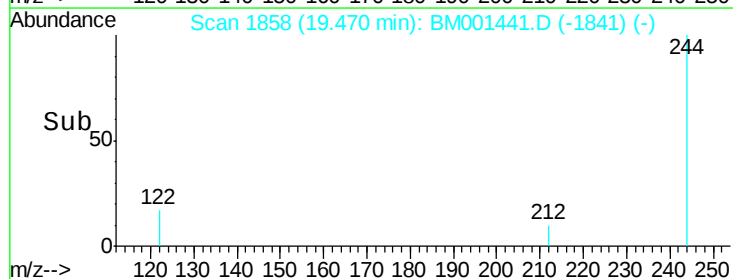
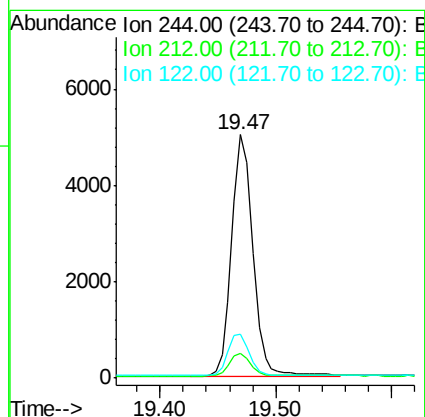
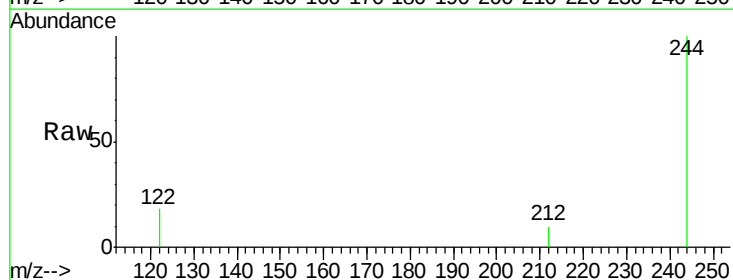
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

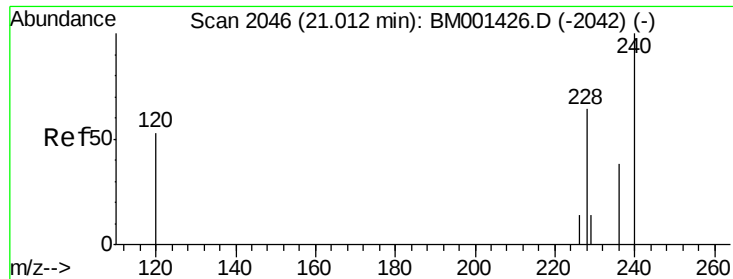
Tgt Ion:240 Resp: 49590
 Ion Ratio Lower Upper
 240 100
 120 3.4 3.2 4.8
 236 23.2 19.8 29.6



#18
 Terphenyl-d14
 Concen: 1.03 ng
 RT: 19.47 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: BM001441.D
 Acq: 29 May 2015 00:30

Tgt Ion:244 Resp: 6356
 Ion Ratio Lower Upper
 244 100
 212 10.4 7.4 11.2
 122 18.1 11.4 17.0#





#19

Benzo(a)anthracene

Concen: 1.04 ng

RT: 21.00 min Scan# 2046

Delta R.T. -0.02 min

Lab File: BM001441.D

Acq: 29 May 2015 00:30

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

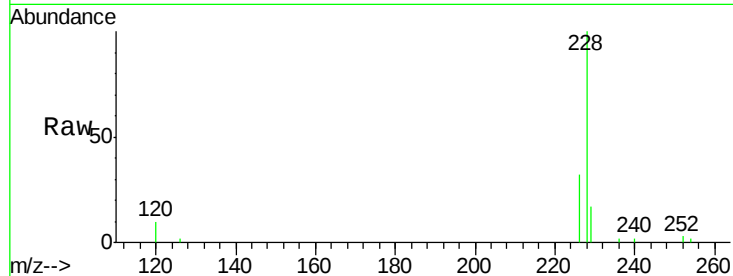
Tgt Ion:228 Resp: 12854

Ion Ratio Lower Upper

228 100

226 31.6 18.2 27.2#

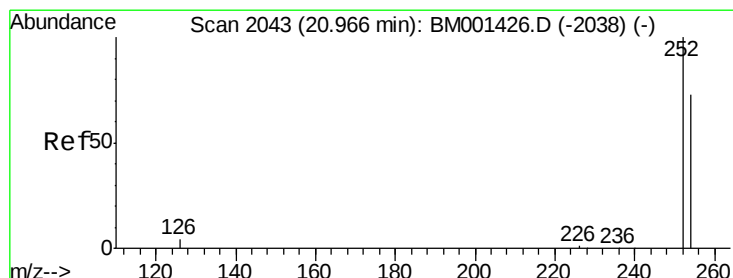
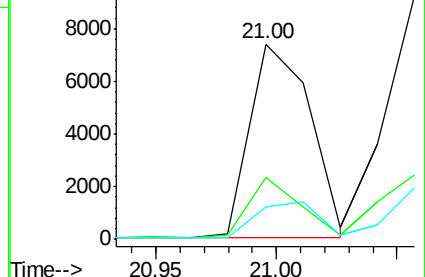
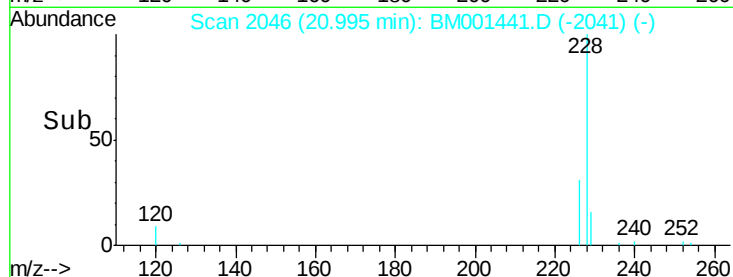
229 16.6 17.8 26.8#



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: 1.08 ng

RT: 20.95 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BM001441.D

Acq: 29 May 2015 00:30

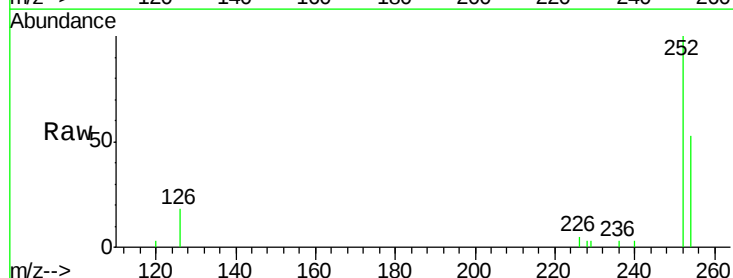
Tgt Ion:252 Resp: 3485

Ion Ratio Lower Upper

252 100

254 53.5 59.0 88.6#

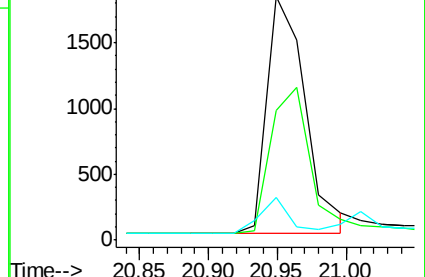
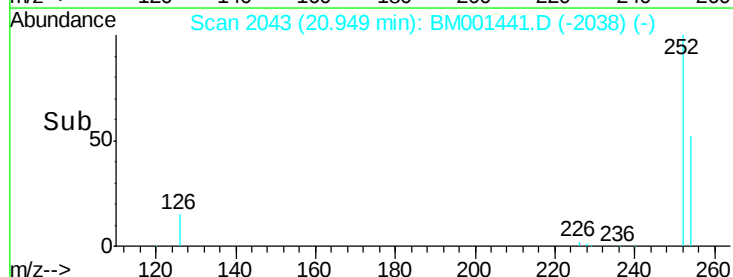
126 17.6 5.9 8.9#

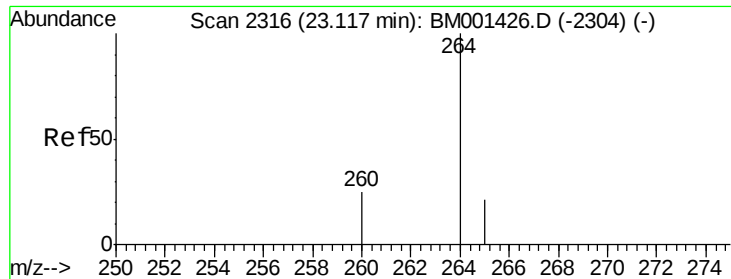


Abundance Ion 252.00 (251.70 to 252.70): E

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. -0.01 min
Lab File: BM001441.D
Acq: 29 May 2015 00:30

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion: 264 Resp: 43504
Ion Ratio Lower Upper
264 100
260 25.9 20.1 30.1
265 21.2 17.3 25.9

