

Data Path : Z:\HPCHEM1\BNA_M\Data\BM052815\
 Data File : BM001434.D
 Acq On : 28 May 2015 19:04
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Quant Time: May 29 03:40:43 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM052815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 15:41:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	11559	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	38307	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	23376	5.00	ng	0.00
15) Phenanthrene-d10	16.82	188	54668	5.00	ng	0.01
17) Chrysene-d12	21.03	240	50347	5.00	ng	0.00
21) Perylene-d12	23.12	264	43087	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.98	112	1817	1.02	ng	0.00
3) Phenol-d6	6.59	99	1896	1.02	ng	0.00
7) Nitrobenzene-d5	8.53	82	2046	1.00	ng	0.00
10) 2,4,6-Tribromophenol	15.58	330	699	0.93	ng	0.01
11) 2-Fluorobiphenyl	12.68	172	6643	1.02	ng	0.00
18) Terphenyl-d14	19.47	244	6480	1.04	ng	0.00

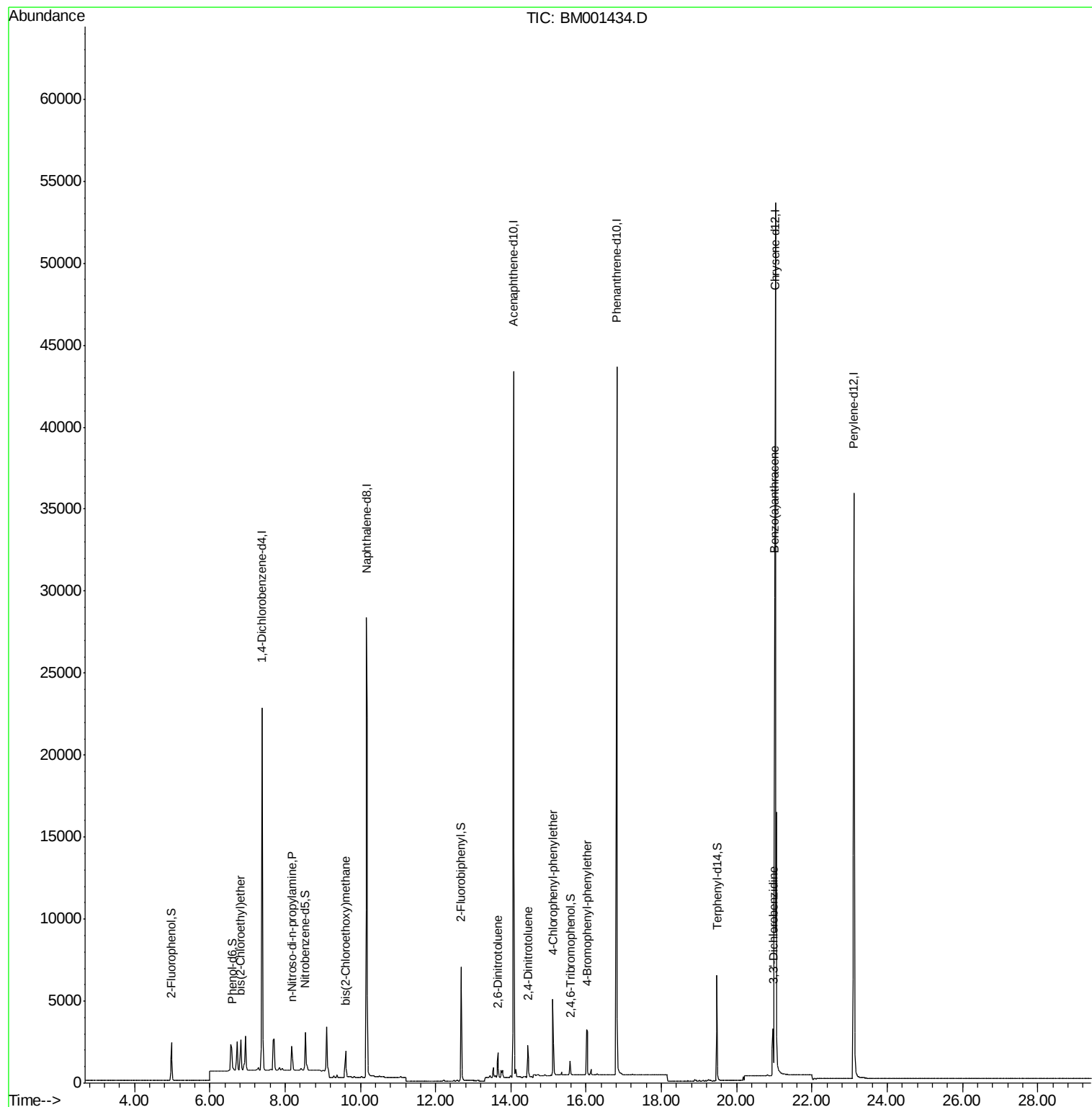
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.82	93	2123	1.09	ng	96
5) n-Nitroso-di-n-propylamine	8.18	70	1246	0.99	ng	94
8) bis(2-Chloroethoxy)methane	9.61	93	2137	0.94	ng	# 89
12) 2,6-Dinitrotoluene	13.66	165	965	0.92	ng	# 54
13) 2,4-Dinitrotoluene	14.46	165	1103	0.88	ng	87
14) 4-Chlorophenyl-phenylether	15.12	204	3679	1.03	ng	# 78
16) 4-Bromophenyl-phenylether	16.03	248	2104	0.97	ng	# 71
19) Benzo(a)anthracene	21.01	228	12286	0.98	ng	100
20) 3,3'-Dichlorobenzidine	20.96	252	2853	0.93	ng	100

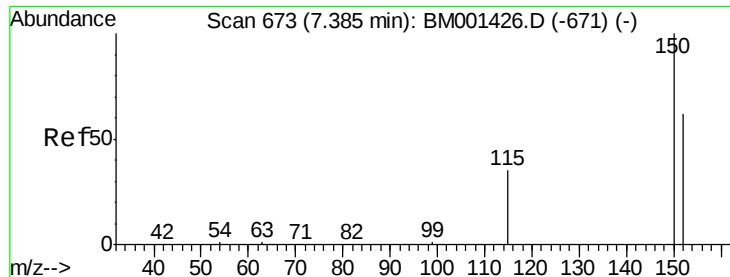
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001434.D

Acq: 28 May 2015 19:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

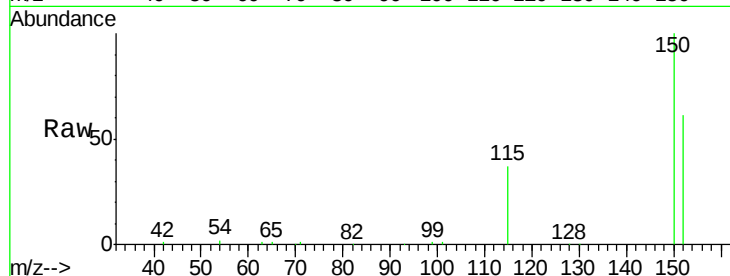
Tgt Ion:152 Resp: 11559

Ion Ratio Lower Upper

152 100

150 165.1 128.4 192.6

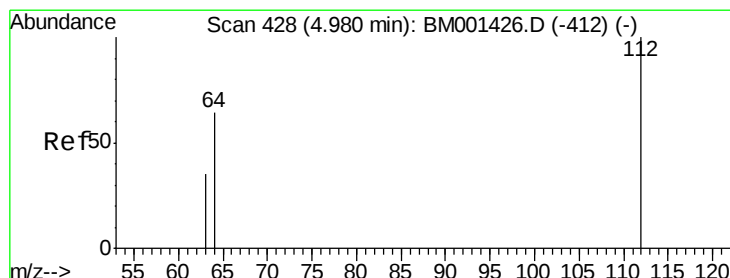
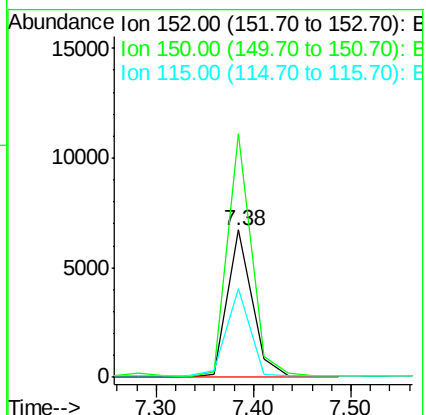
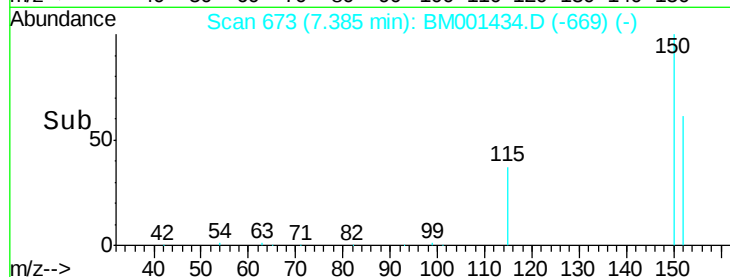
115 60.3 45.6 68.4



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: 1.02 ng

RT: 4.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

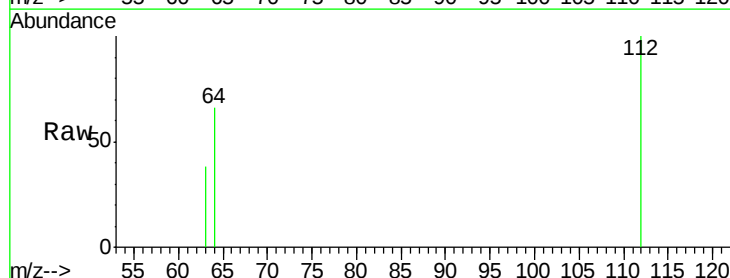
Tgt Ion:112 Resp: 1817

Ion Ratio Lower Upper

112 100

64 66.4 52.1 78.1

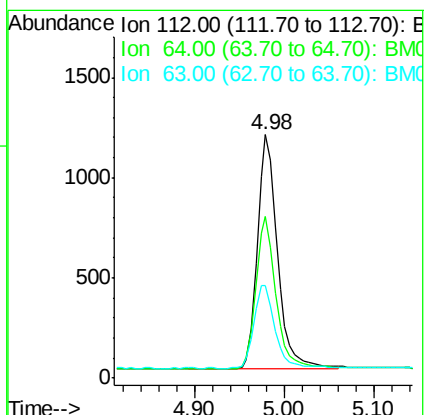
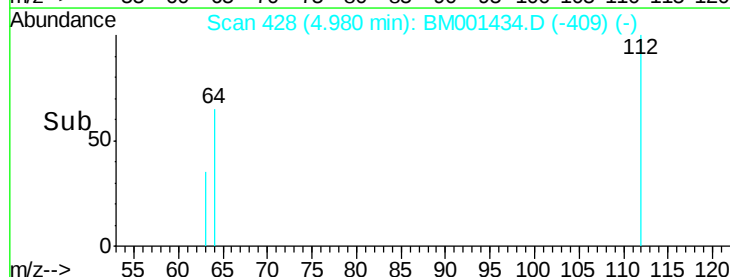
63 38.1 30.2 45.2

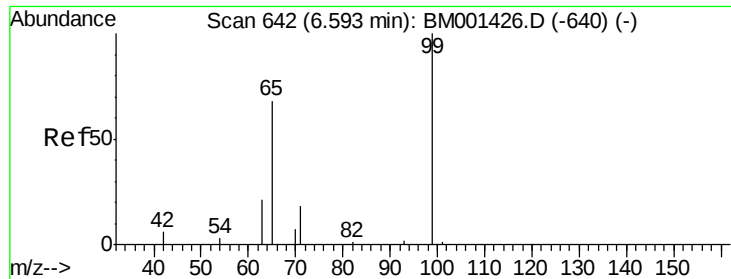


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#3

Phenol-d6

Concen: 1.02 ng

RT: 6.59 min Scan# 642

Delta R.T. -0.00 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

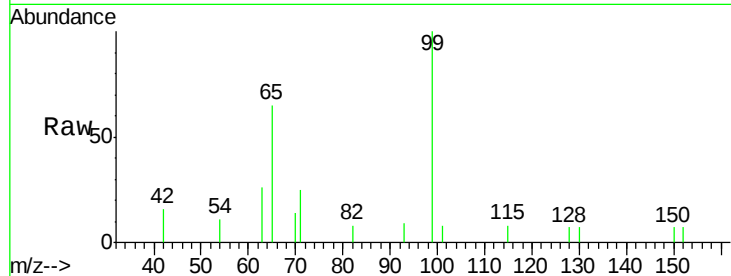
Tgt Ion: 99 Resp: 1896

Ion Ratio Lower Upper

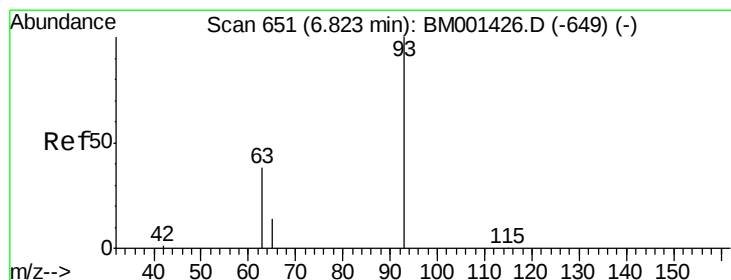
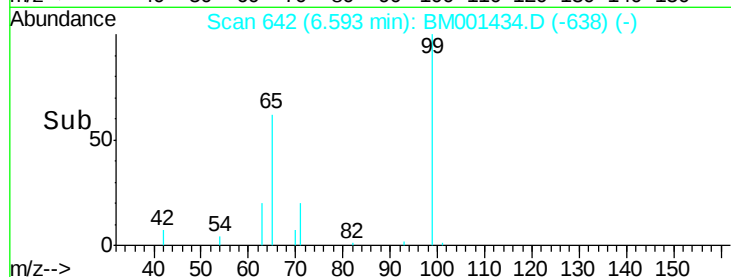
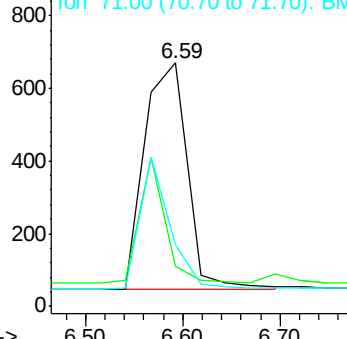
99 100

42 16.4 13.7 20.5

71 25.4 19.8 29.6



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



#4

bis(2-Chloroethyl)ether

Concen: 1.09 ng

RT: 6.82 min Scan# 651

Delta R.T. -0.00 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

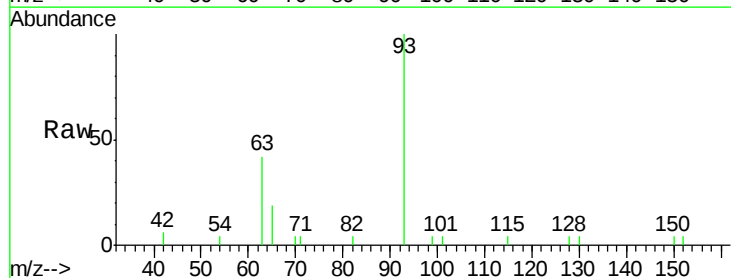
Tgt Ion: 93 Resp: 2123

Ion Ratio Lower Upper

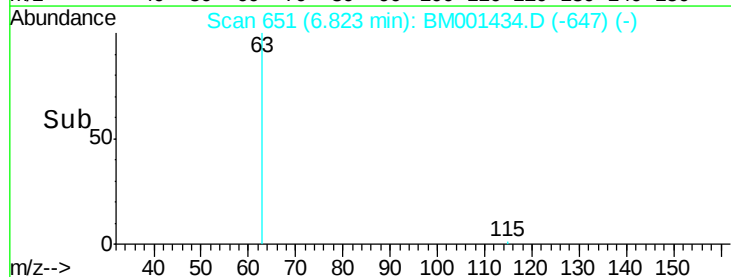
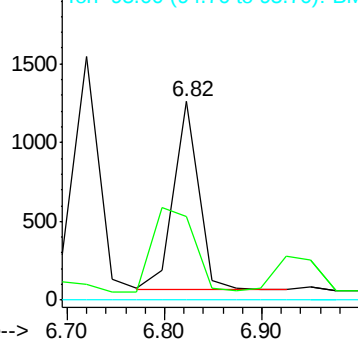
93 100

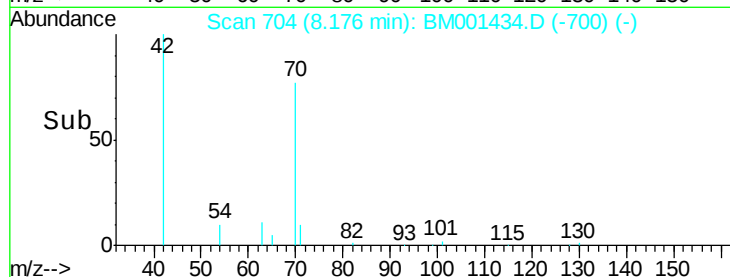
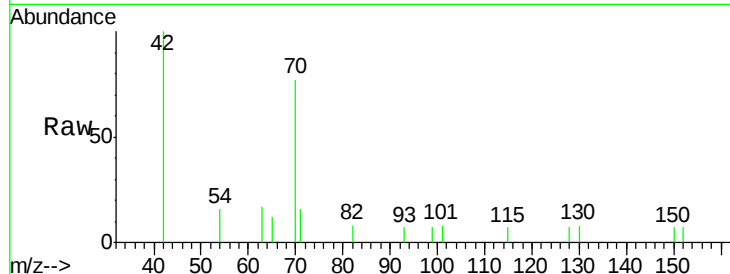
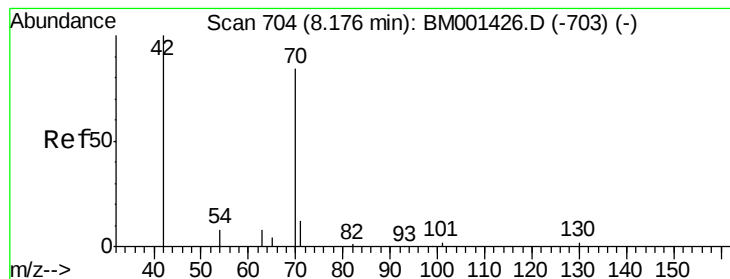
63 42.4 20.0 60.0

95 0.0 0.0 20.0



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





#5

n-Nitroso-di-n-propylamine

Concen: 0.99 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

Tgt Ion: 70 Resp: 1246

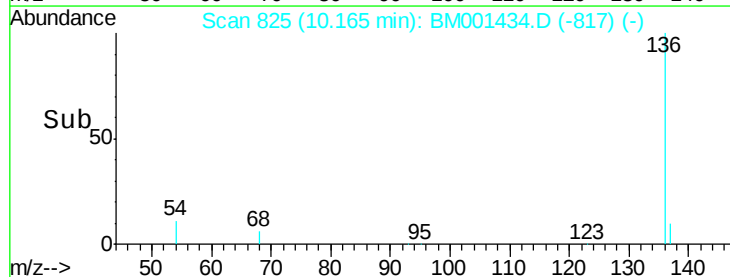
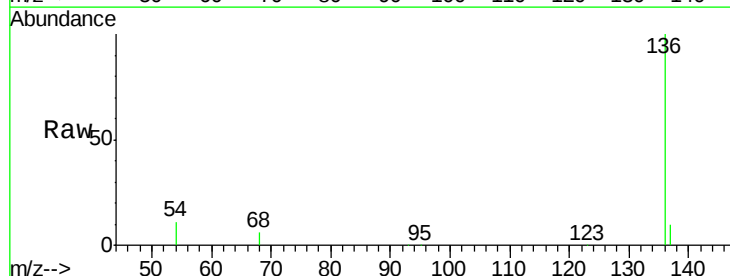
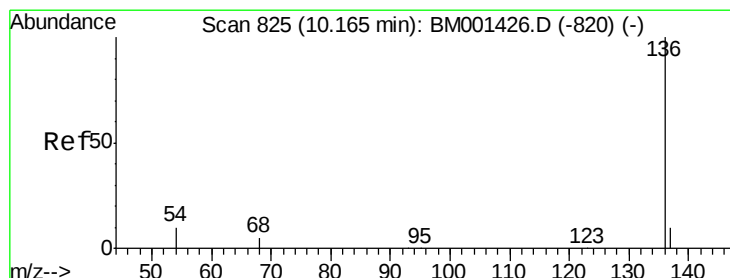
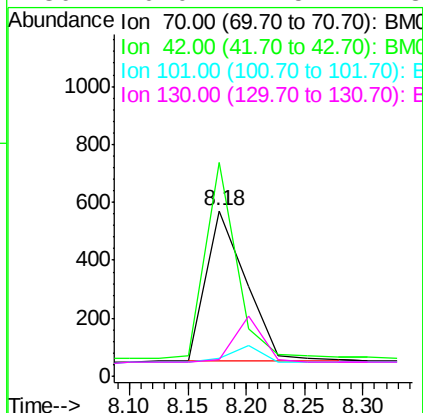
Ion Ratio Lower Upper

70 100

42 129.3 97.8 146.6

101 10.7 8.2 12.2

130 10.0 7.5 11.3



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.16 min Scan# 825

Delta R.T. -0.00 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

Tgt Ion: 136 Resp: 38307

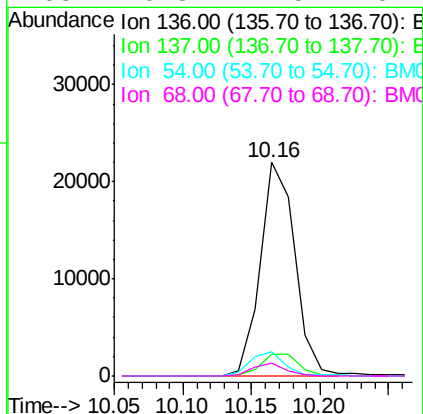
Ion Ratio Lower Upper

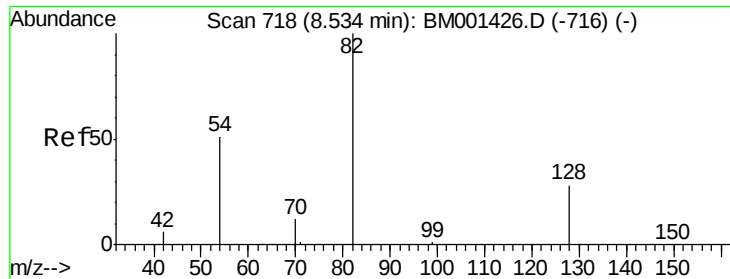
136 100

137 10.4 8.3 12.5

54 11.4 8.2 12.4

68 6.3 4.5 6.7





#7

Nitrobenzene-d5

Concen: 1.00 ng

RT: 8.53 min Scan# 718

Delta R.T. -0.00 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

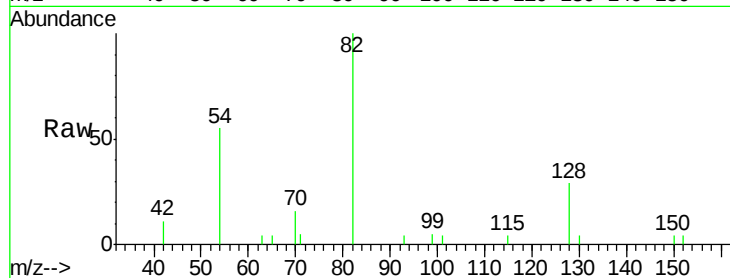
Tgt Ion: 82 Resp: 2046

Ion Ratio Lower Upper

82 100

128 29.2 24.4 36.6

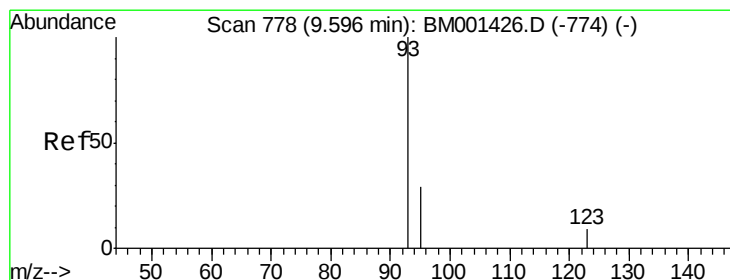
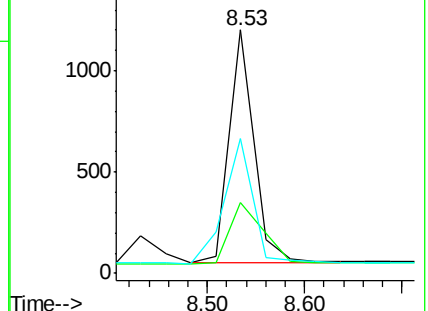
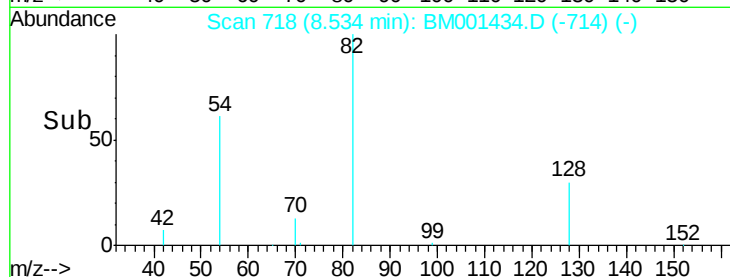
54 55.5 42.3 63.5



Abundance Ion 82.00 (81.70 to 82.70): BM001434.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BM001434.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BM001434.D (-714) (-)



#8

bis(2-Chloroethoxy)methane

Concen: 0.94 ng

RT: 9.61 min Scan# 779

Delta R.T. 0.01 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

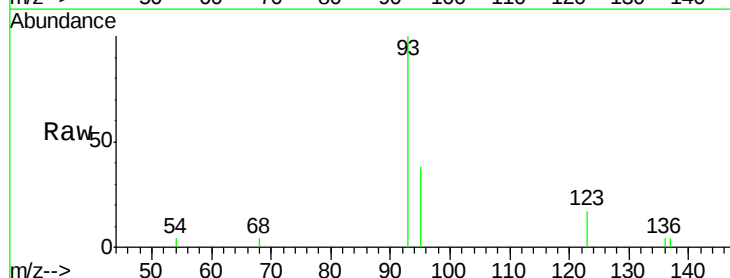
Tgt Ion: 93 Resp: 2137

Ion Ratio Lower Upper

93 100

95 37.6 25.3 37.9

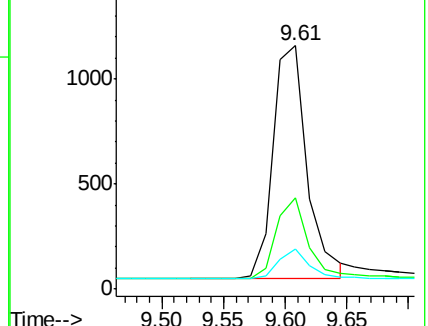
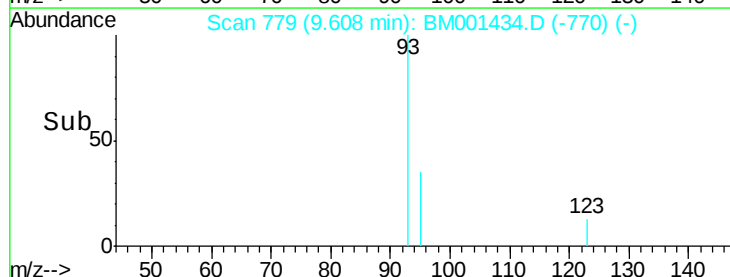
123 16.7 10.2 15.2#

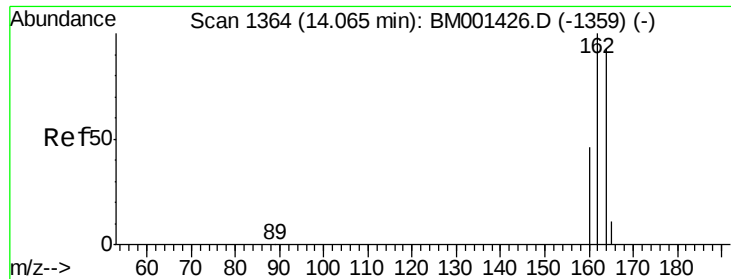


Abundance Ion 93.00 (92.70 to 93.70): BM001434.D (-770) (-)

Ion 95.00 (94.70 to 95.70): BM001434.D (-770) (-)

Ion 123.00 (122.70 to 123.70): BM001434.D (-770) (-)





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1365

Delta R.T. 0.01 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

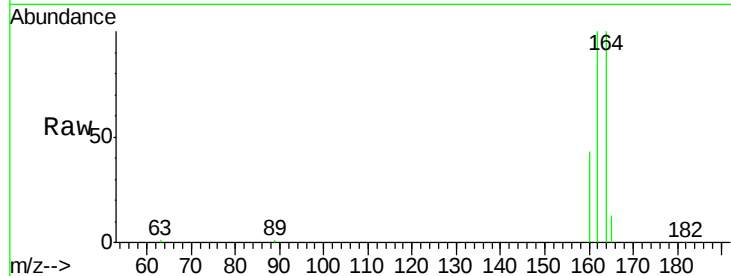
Tgt Ion:164 Resp: 23376

Ion Ratio Lower Upper

164 100

162 99.6 86.2 129.2

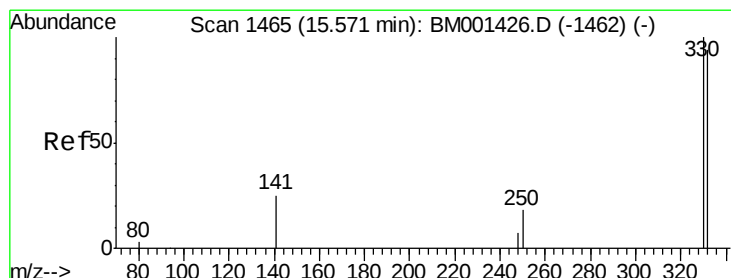
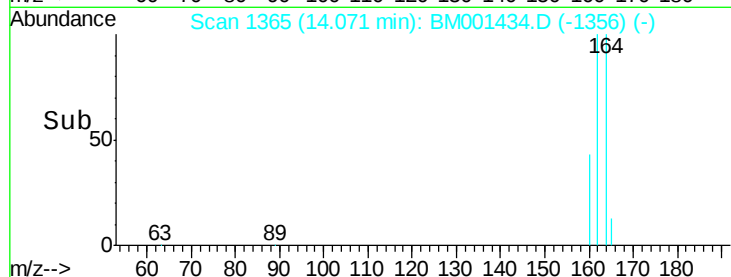
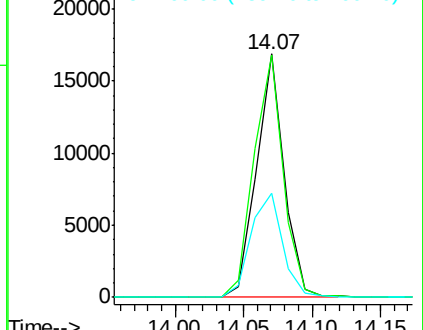
160 42.7 39.4 59.2



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: 0.93 ng

RT: 15.58 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

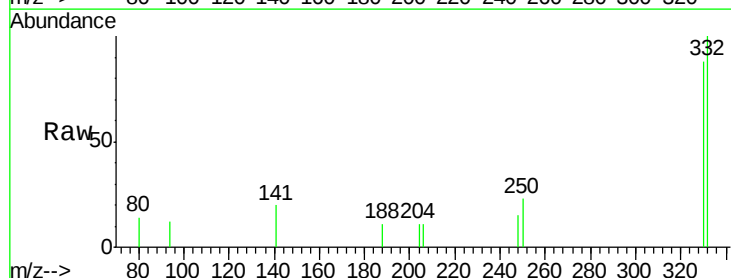
Tgt Ion:330 Resp: 699

Ion Ratio Lower Upper

330 100

332 98.7 76.3 114.5

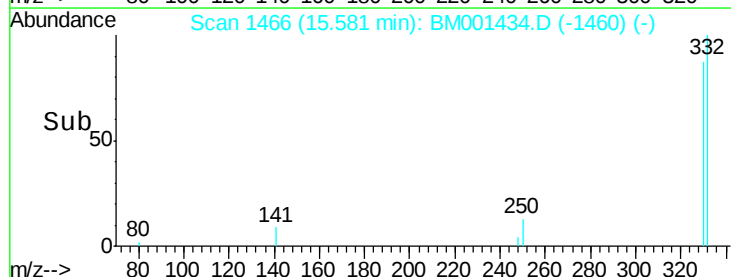
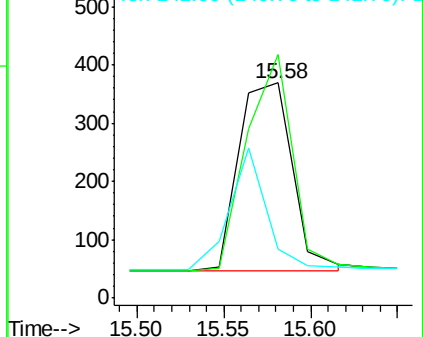
141 44.2 35.0 52.4

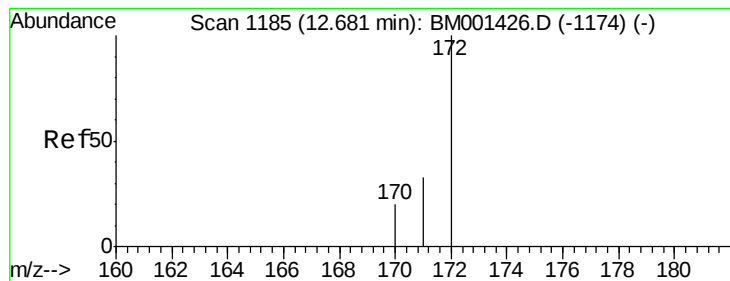


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

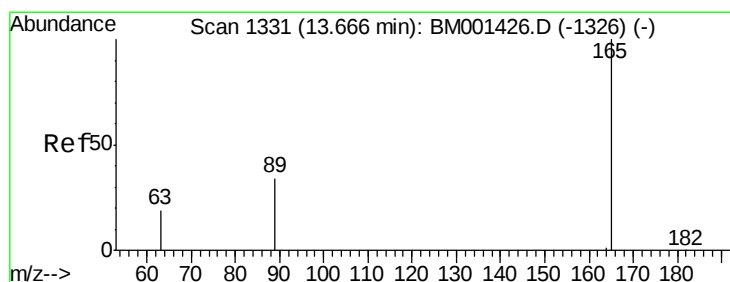
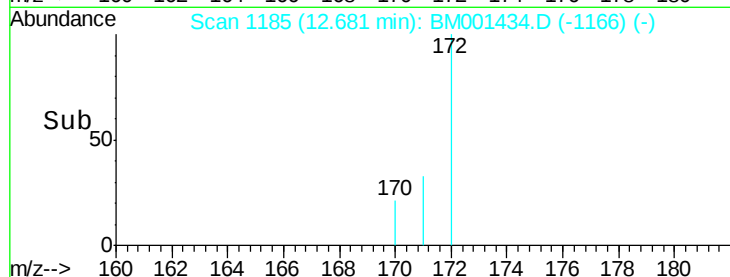
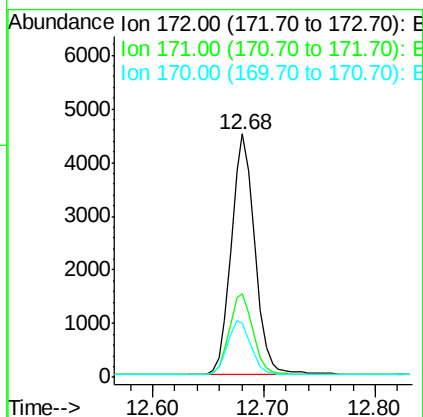
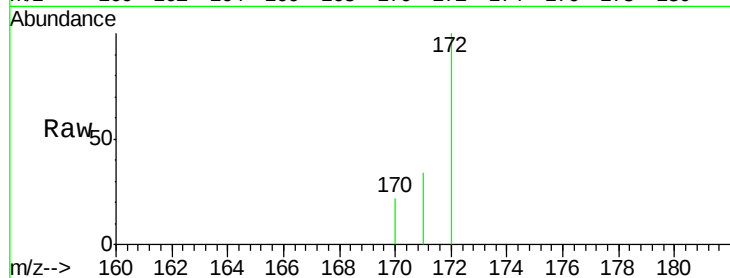




#11
2-Fluorobiphenyl
Concen: 1.02 ng
RT: 12.68 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BM001434.D
Acq: 28 May 2015 19:04

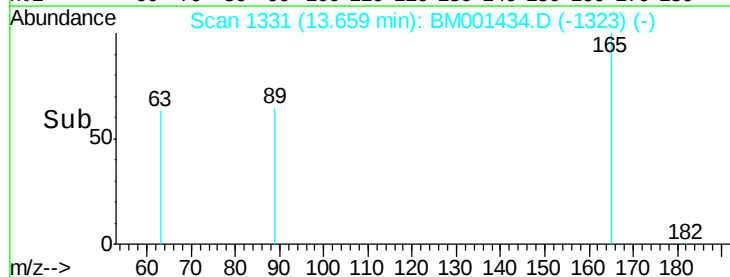
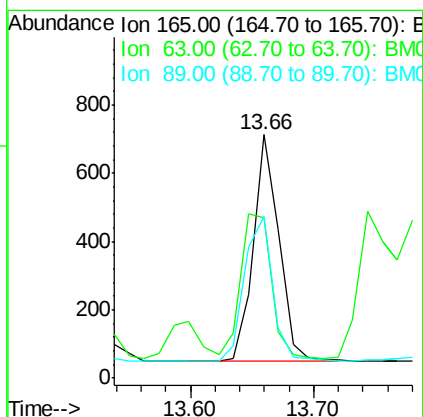
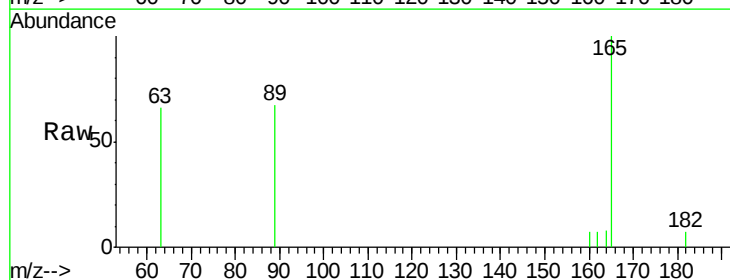
Instrument :
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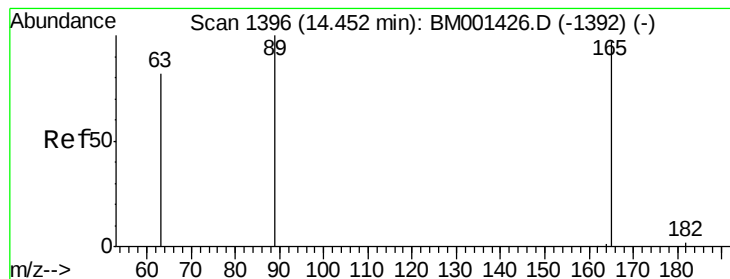
Tgt Ion:172 Resp: 6643
Ion Ratio Lower Upper
172 100
171 34.3 26.9 40.3
170 22.3 17.1 25.7



#12
2,6-Dinitrotoluene
Concen: 0.92 ng
RT: 13.66 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BM001434.D
Acq: 28 May 2015 19:04

Tgt Ion:165 Resp: 965
Ion Ratio Lower Upper
165 100
63 65.9 29.1 43.7#
89 66.6 32.1 48.1#





#13

2,4-Dinitrotoluene

Concen: 0.88 ng

RT: 14.46 min Scan# 1397

Delta R.T. 0.01 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

Tgt Ion:165 Resp: 1103

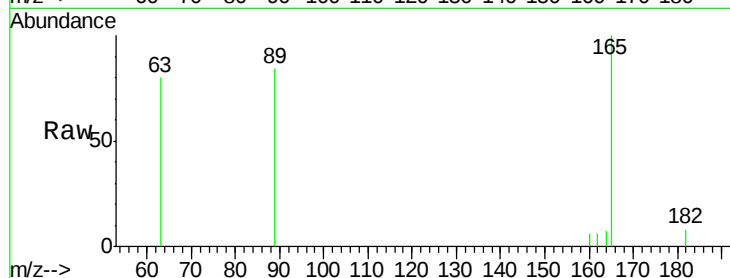
Ion Ratio Lower Upper

165 100

63 79.8 70.6 105.8

89 84.4 82.4 123.6

182 8.3 7.5 11.3



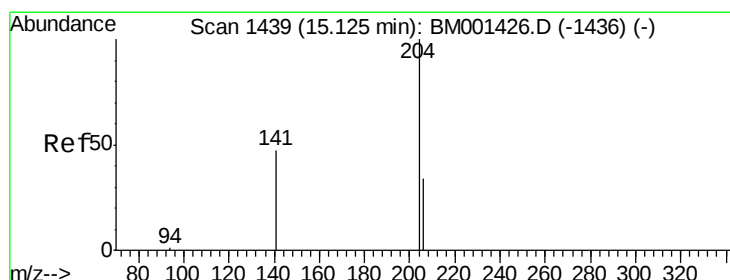
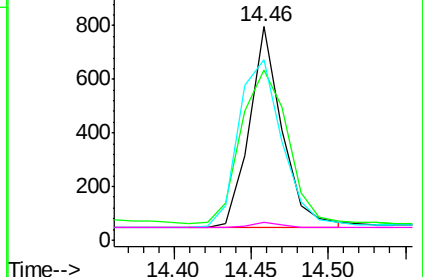
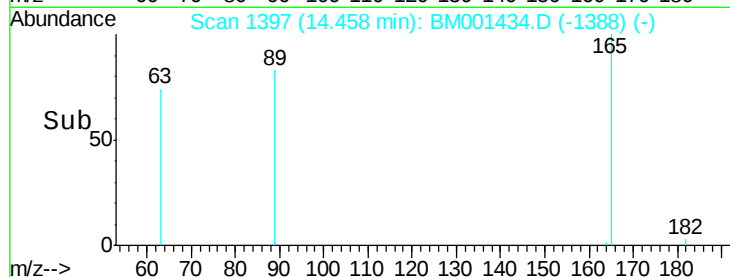
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E

Time-->



#14

4-Chlorophenyl-phenylether

Concen: 1.03 ng

RT: 15.12 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

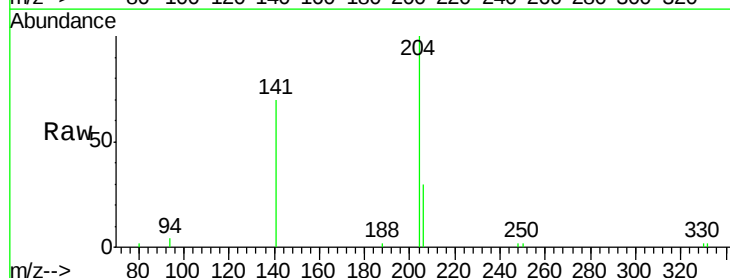
Tgt Ion:204 Resp: 3679

Ion Ratio Lower Upper

204 100

206 30.0 27.8 41.8

141 69.8 38.2 57.4#

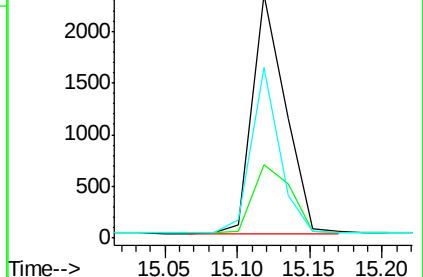
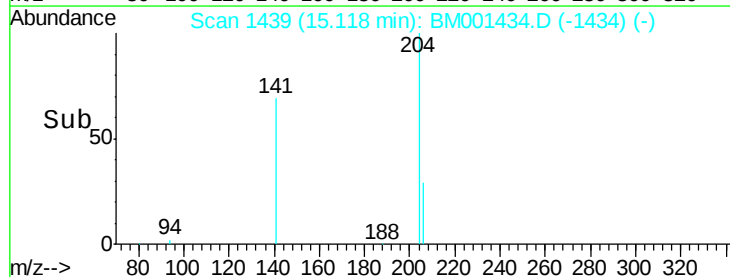


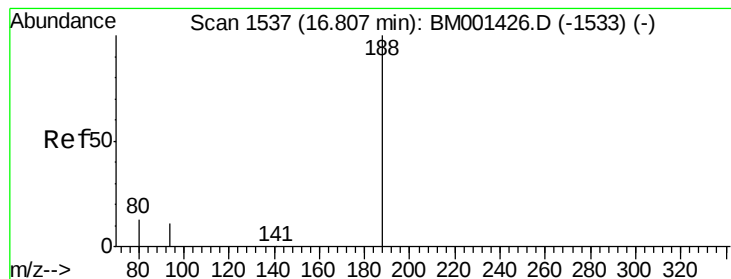
Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.82 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

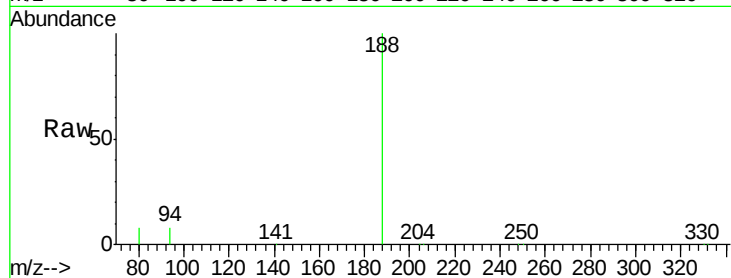
Tgt Ion:188 Resp: 54668

Ion Ratio Lower Upper

188 100

94 7.8 9.0 13.4#

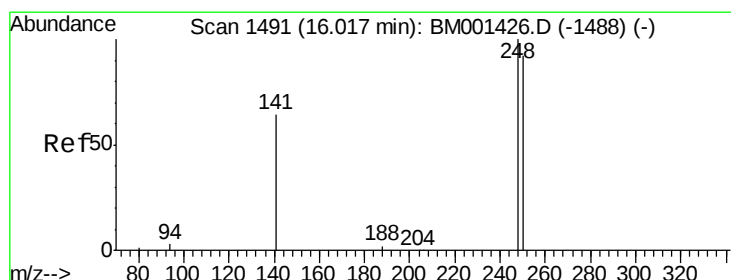
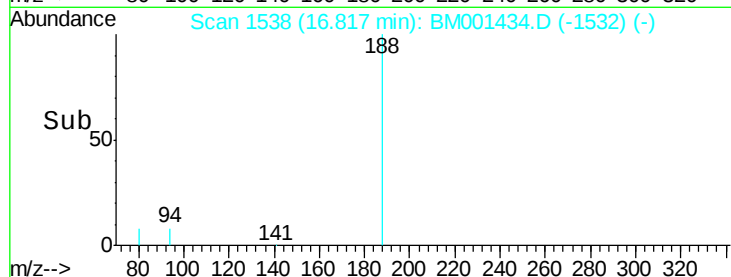
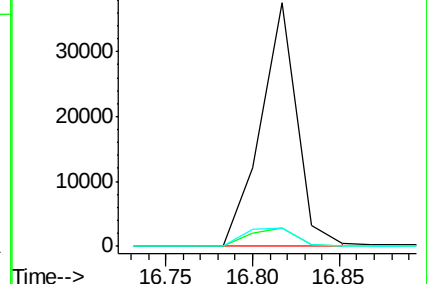
80 7.7 10.6 15.8#



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: 0.97 ng

RT: 16.03 min Scan# 1492

Delta R.T. 0.01 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

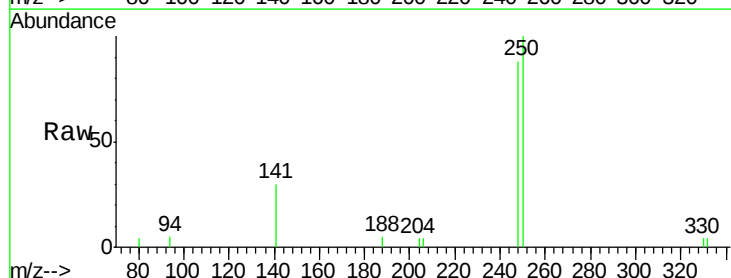
Tgt Ion:248 Resp: 2104

Ion Ratio Lower Upper

248 100

250 113.1 74.1 111.1#

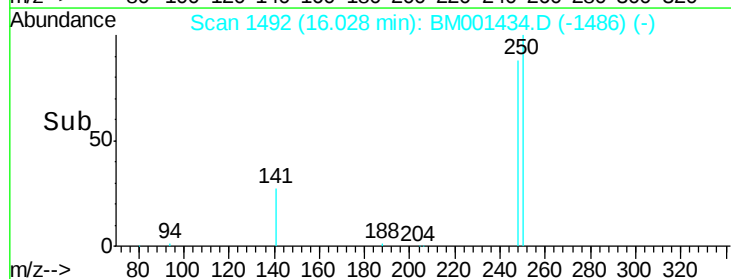
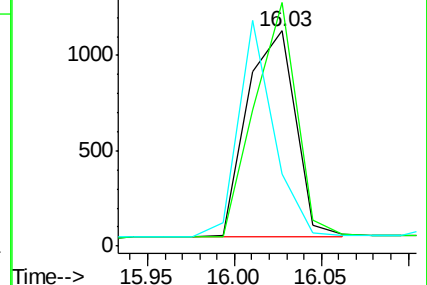
141 33.7 52.4 78.6#

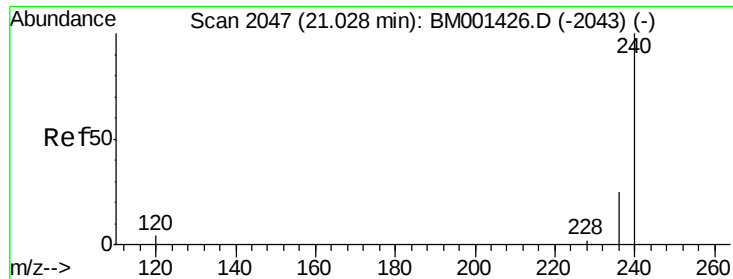


Abundance Ion 248.00 (247.70 to 248.70): E

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: BM001434.D

Acq: 28 May 2015 19:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

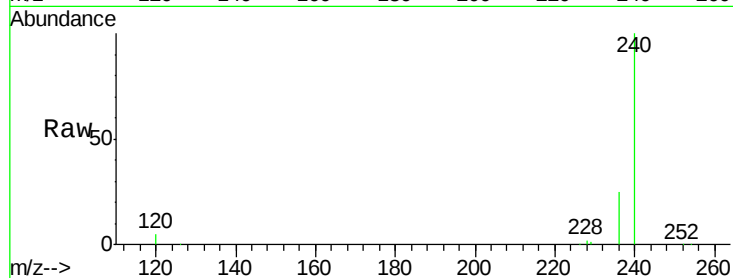
Tgt Ion:240 Resp: 50347

Ion Ratio Lower Upper

240 100

120 4.9 3.2 4.8#

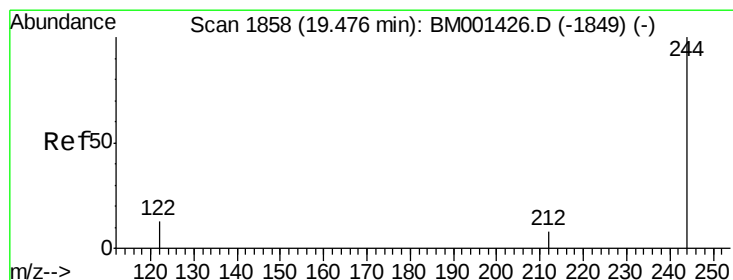
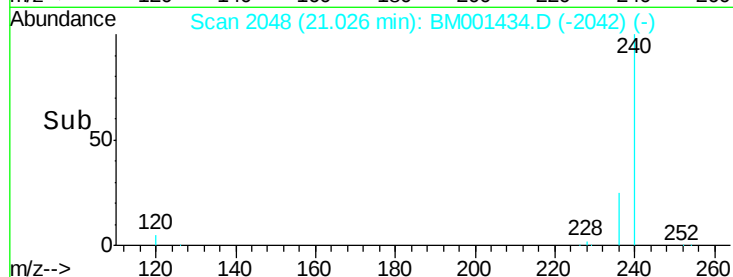
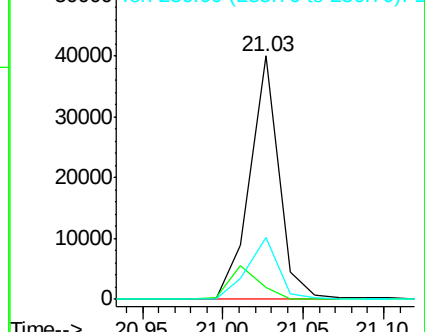
236 25.4 19.8 29.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#18

Terphenyl-d14

Concen: 1.04 ng

RT: 19.47 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

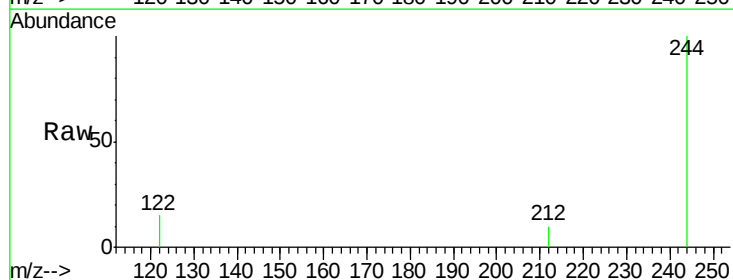
Tgt Ion:244 Resp: 6480

Ion Ratio Lower Upper

244 100

212 9.5 7.4 11.2

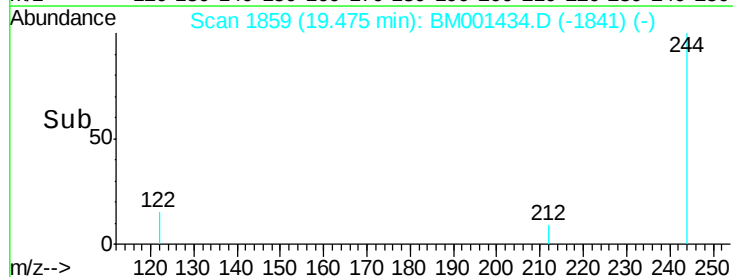
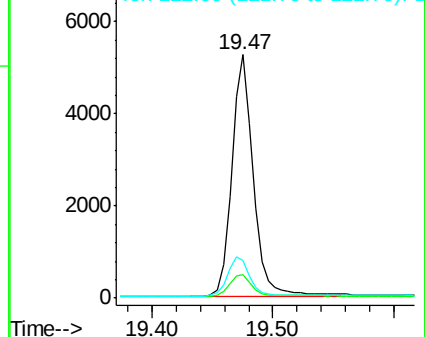
122 15.4 11.4 17.0

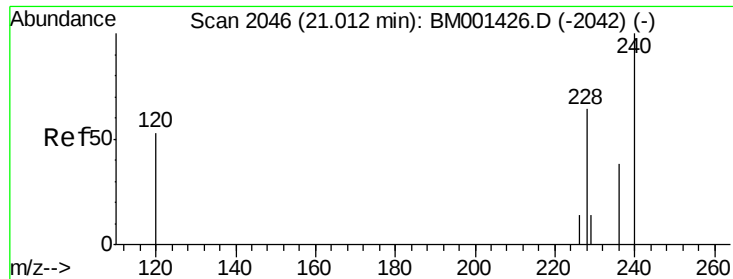


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.98 ng

RT: 21.01 min Scan# 2047

Delta R.T. -0.00 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

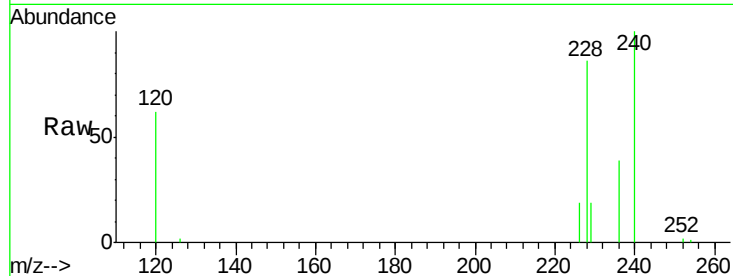
Tgt Ion:228 Resp: 12286

Ion Ratio Lower Upper

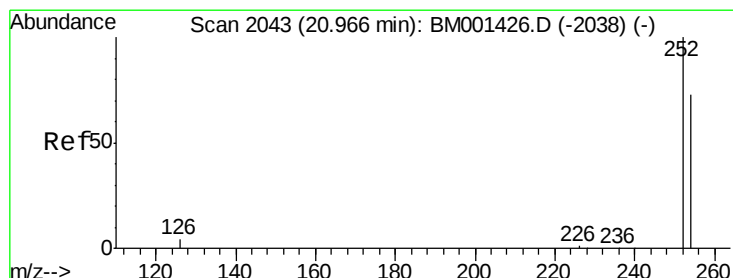
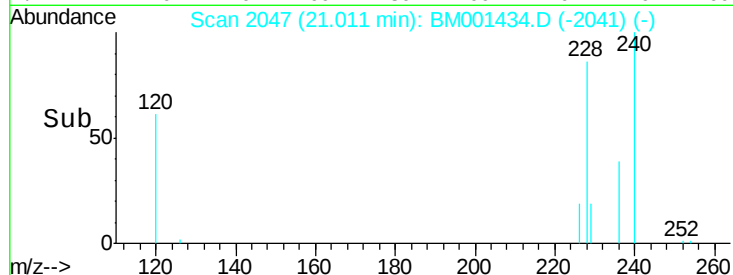
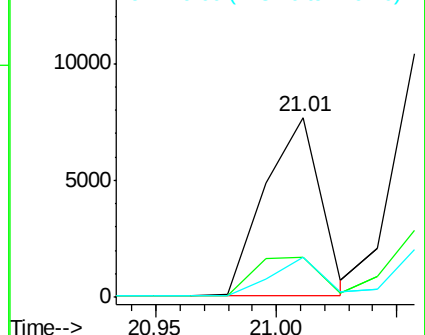
228 100

226 22.4 18.2 27.2

229 22.3 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: 0.93 ng

RT: 20.96 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BM001434.D

Acq: 28 May 2015 19:04

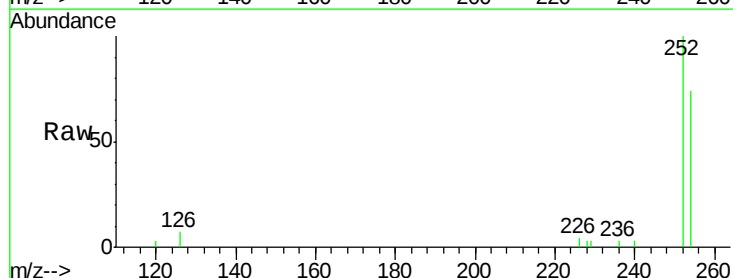
Tgt Ion:252 Resp: 2853

Ion Ratio Lower Upper

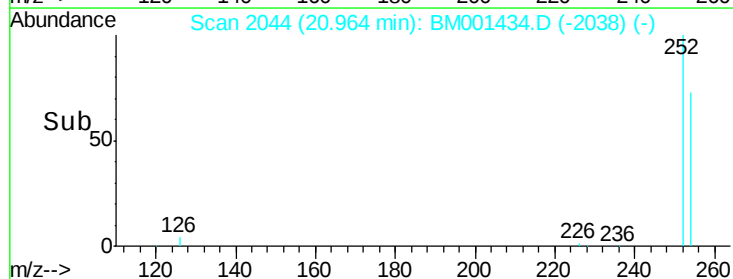
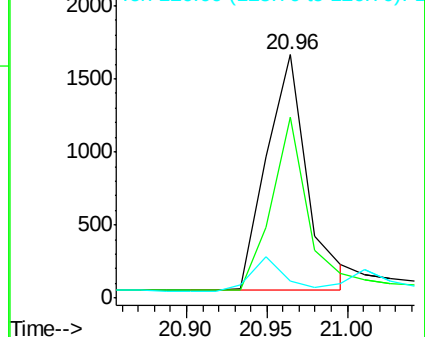
252 100

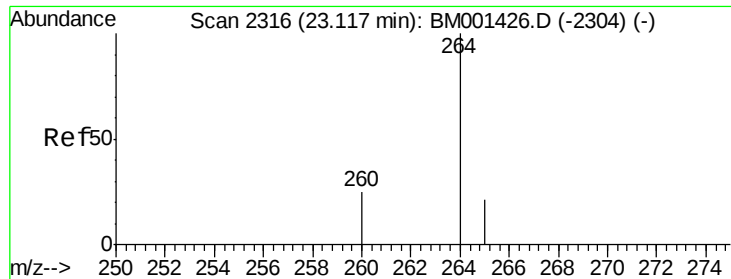
254 74.1 59.0 88.6

126 7.1 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: 23.12 min Scan# 2317
Delta R.T. -0.00 min
Lab File: BM001434.D
Acq: 28 May 2015 19:04

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion: 264 Resp: 43087
Ion Ratio Lower Upper
264 100
260 24.7 20.1 30.1
265 21.8 17.3 25.9

