

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052815\
 Data File : BM001430.D
 Acq On : 28 May 2015 14:58
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1

Quant Time: May 28 15:31:49 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 15:25:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	10690	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	32648	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	20534	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	46032	5.00	ng	0.00
17) Chrysene-d12	21.03	240	43196	5.00	ng	0.00
21) Perylene-d12	23.12	264	37982	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.99	112	156	0.09	ng	0.00
3) Phenol-d6	6.59	99	158	0.09	ng	0.00
7) Nitrobenzene-d5	8.53	82	149	0.08	ng	0.00
10) 2,4,6-Tribromophenol	15.57	330	43	0.07	ng	0.00
11) 2-Fluorobiphenyl	12.69	172	530	0.09	ng	0.00
18) Terphenyl-d14	19.48	244	523	0.10	ng	0.00

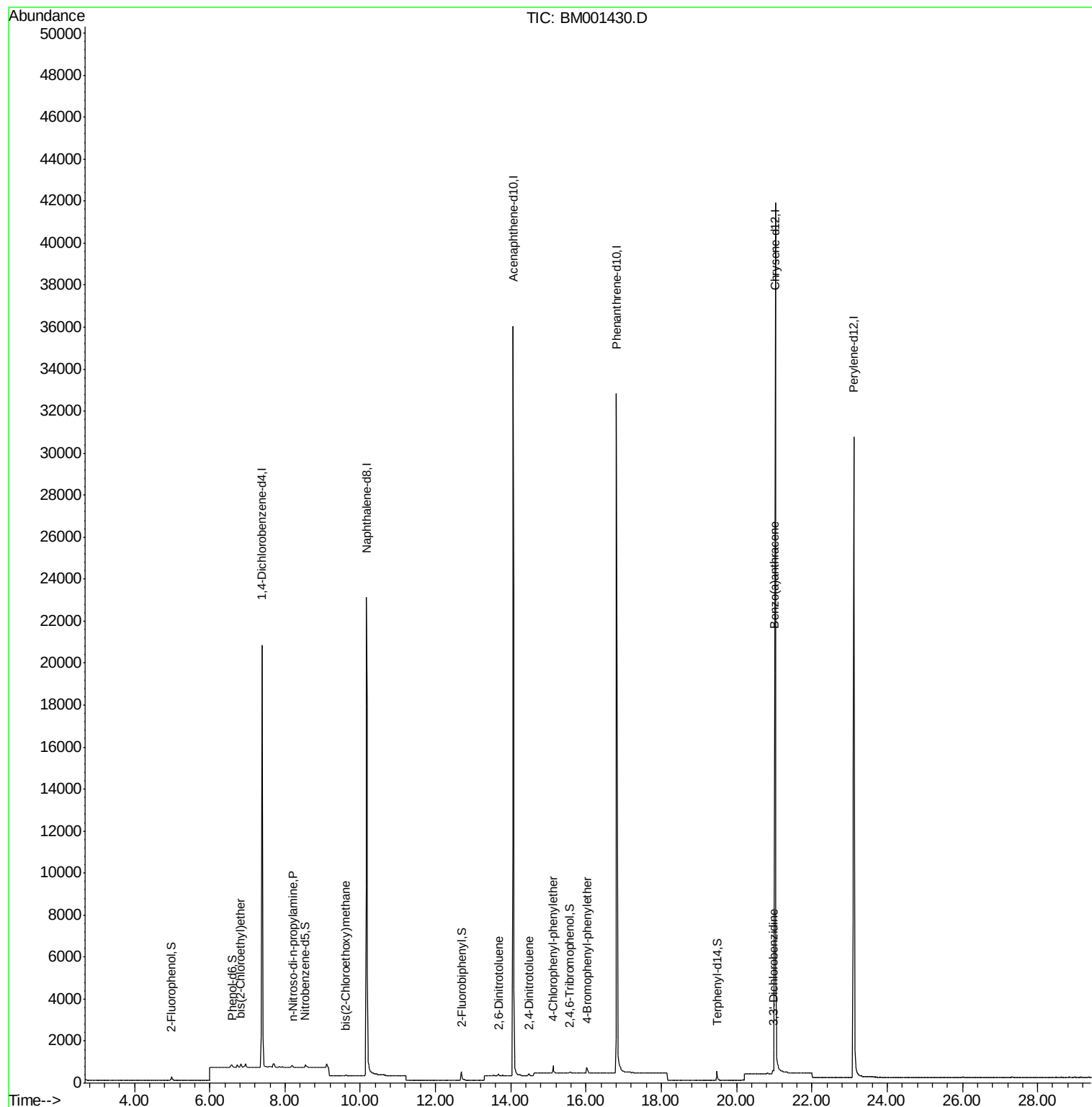
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.82	93	182	0.09	ng	# 56
5) n-Nitroso-di-n-propylamine	8.20	70	95	0.09	ng	# 57
8) bis(2-Chloroethoxy)methane	9.61	93	94	0.05	ng	# 20
12) 2,6-Dinitrotoluene	13.67	165	65	0.08	ng	# 16
13) 2,4-Dinitrotoluene	14.48	165	49	0.05	ng	# 79
14) 4-Chlorophenyl-phenylether	15.12	204	289	0.09	ng	# 78
16) 4-Bromophenyl-phenylether	16.02	248	166	0.09	ng	# 82
19) Benzo(a)anthracene	21.01	228	1084	0.41	ng	# 90
20) 3,3'-Dichlorobenzidine	20.97	252	178	0.07	ng	# 90

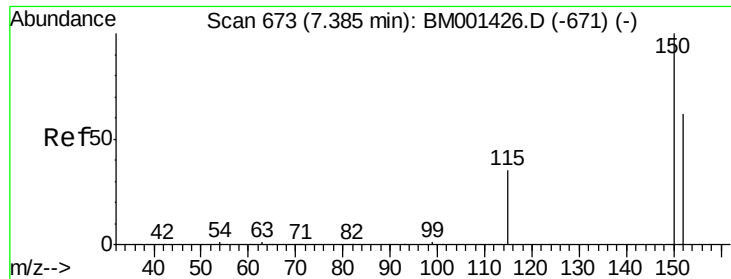
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052815\
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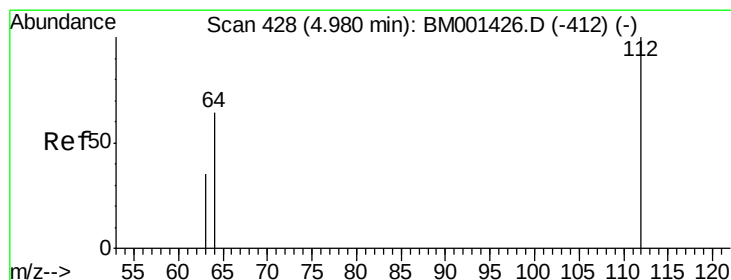
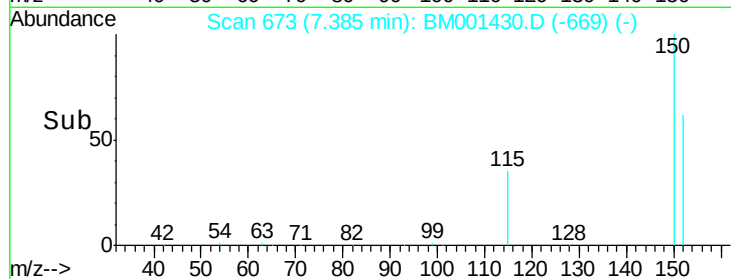
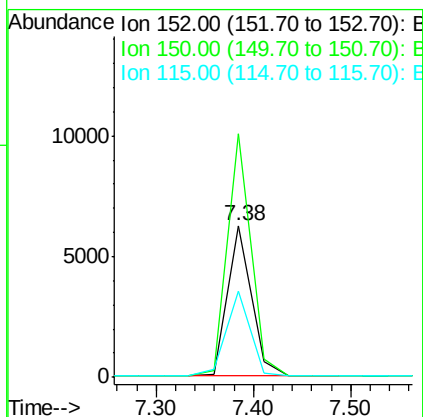
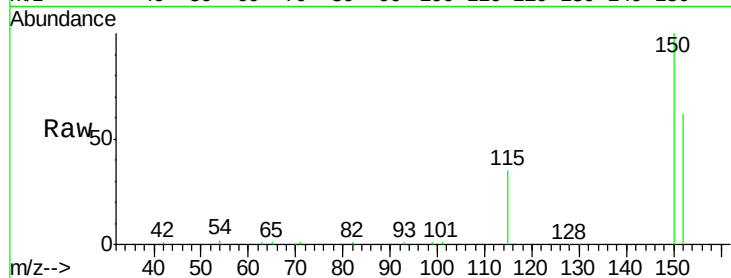


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.38 min Scan# 673
Delta R.T. 0.00 min
Lab File: BM001430.D
Acq: 28 May 2015 14:58

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

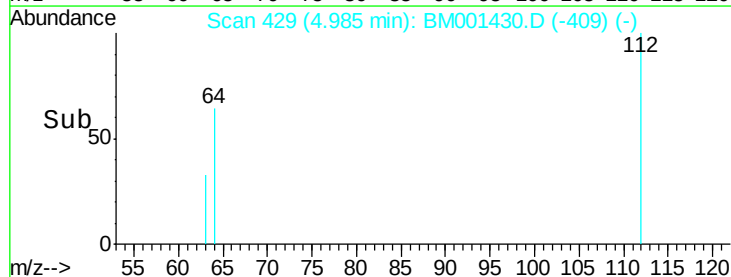
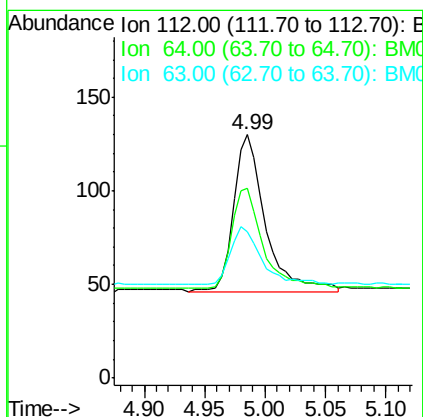
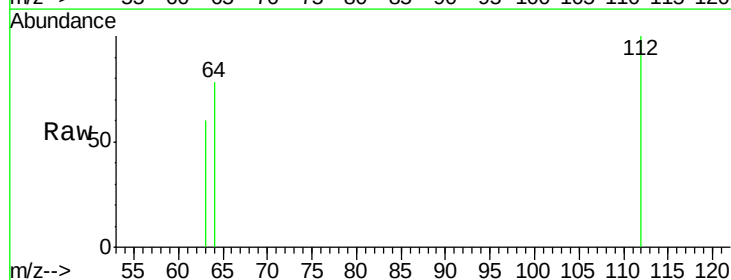
Tgt Ion:152 Resp: 10690
Ion Ratio Lower Upper
152 100
150 160.8 128.4 192.6
115 56.8 45.6 68.4

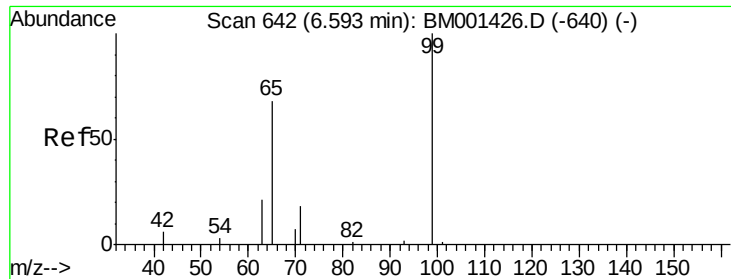


#2

2-Fluorophenol
Concen: 0.09 ng
RT: 4.99 min Scan# 429
Delta R.T. 0.01 min
Lab File: BM001430.D
Acq: 28 May 2015 14:58

Tgt Ion:112 Resp: 156
Ion Ratio Lower Upper
112 100
64 77.7 52.1 78.1
63 60.0 30.2 45.2#





#3

Phenol-d6

Concen: 0.09 ng

RT: 6.59 min Scan# 642

Delta R.T. 0.00 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

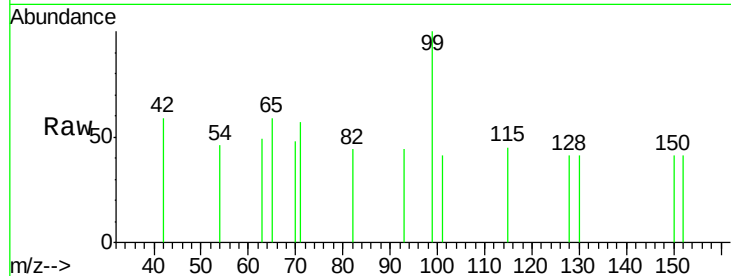
Tgt Ion: 99 Resp: 158

Ion Ratio Lower Upper

99 100

42 59.5 13.7 20.5#

71 56.9 19.8 29.6#

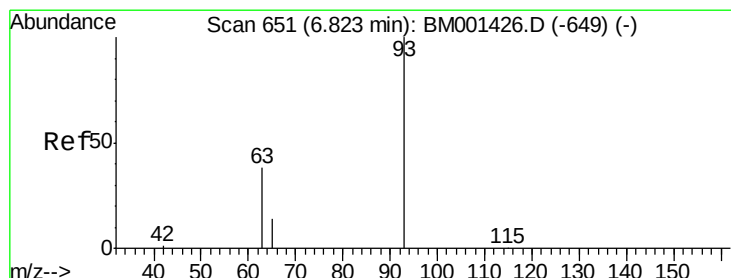
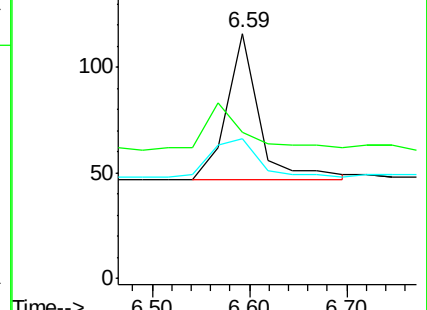
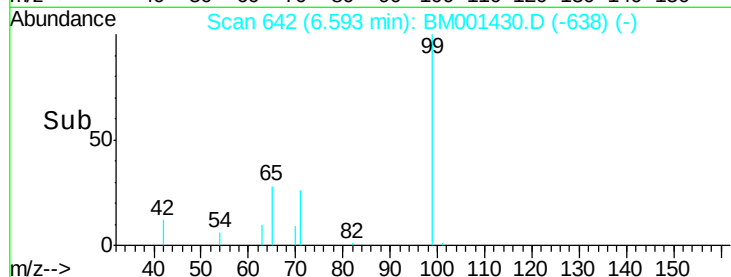


Abundance Ion 99.00 (98.70 to 99.70): BM001426.D (-640) (-)

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: 0.09 ng

RT: 6.82 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

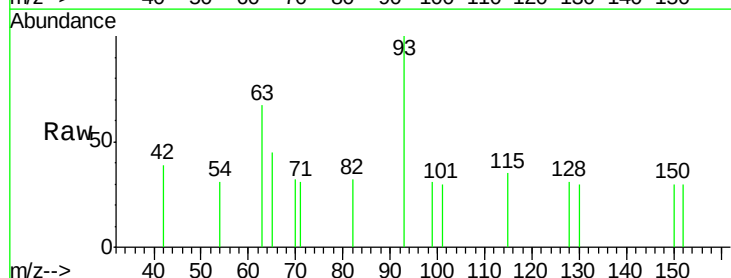
Tgt Ion: 93 Resp: 182

Ion Ratio Lower Upper

93 100

63 66.9 20.0 60.0#

95 0.0 0.0 20.0

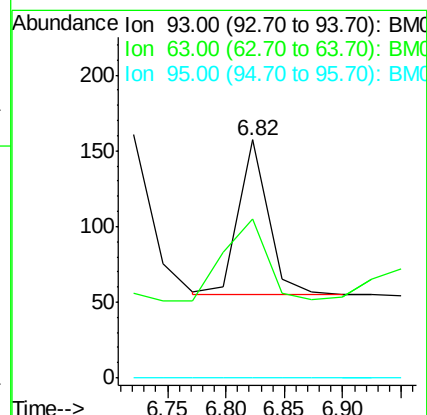
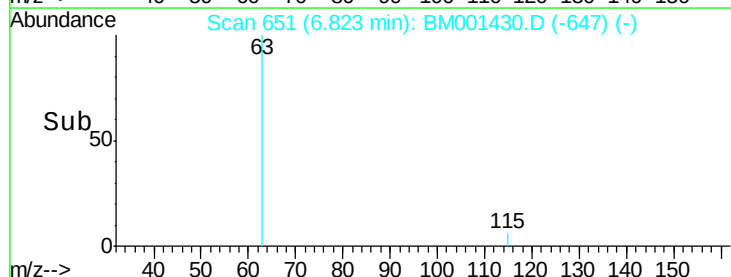


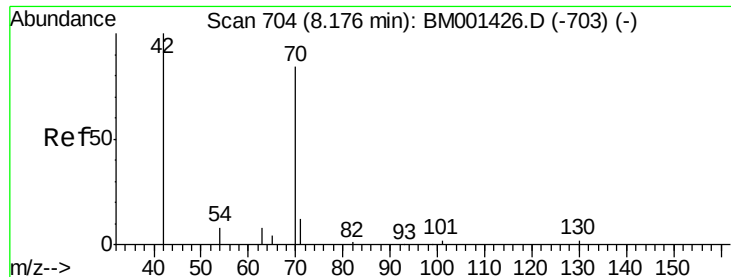
Abundance Ion 93.00 (92.70 to 93.70): BM001426.D (-649) (-)

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: 0.09 ng

RT: 8.20 min Scan# 705

Delta R.T. 0.03 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.1

Tgt Ion: 70 Resp: 95

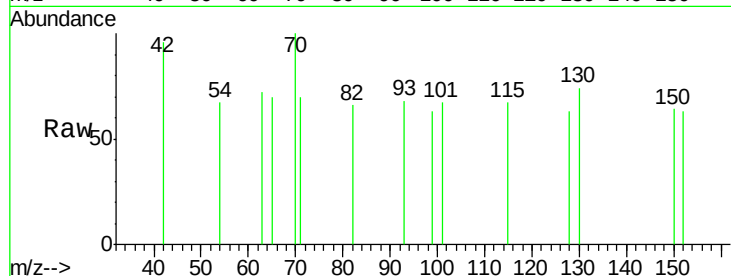
Ion Ratio Lower Upper

70 100

42 96.1 97.8 146.6#

101 67.1 8.2 12.2#

130 73.7 7.5 11.3#

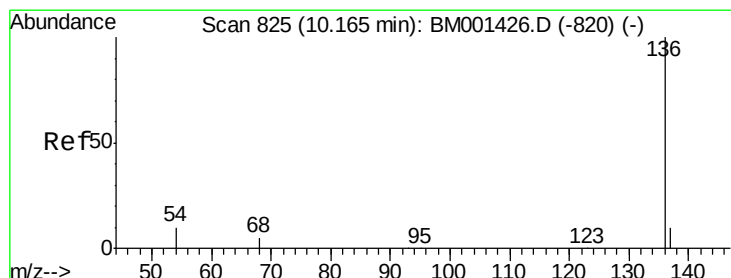
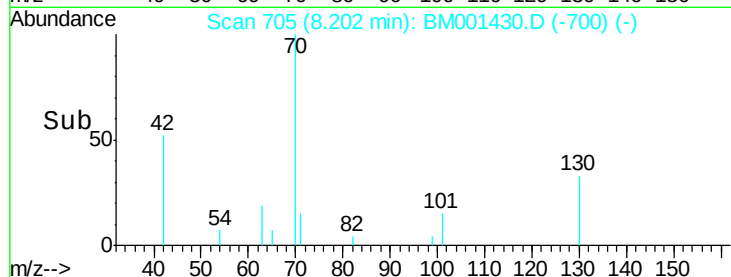
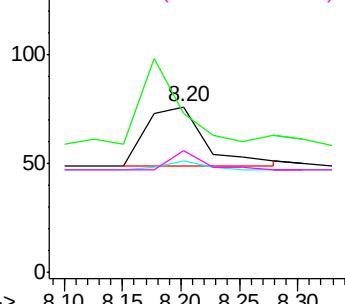


Abundance Ion 70.00 (69.70 to 70.70): BM0

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: BM001430.D

Acq: 28 May 2015 14:58

Tgt Ion: 136 Resp: 32648

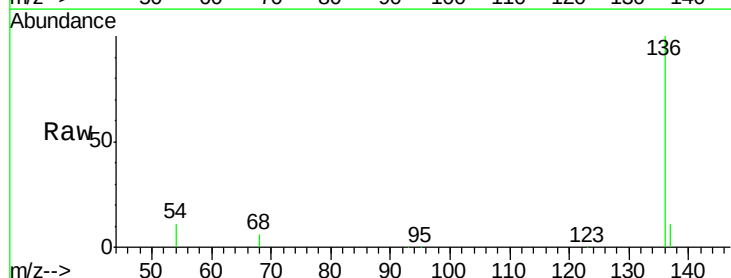
Ion Ratio Lower Upper

136 100

137 10.6 8.3 12.5

54 11.3 8.2 12.4

68 6.0 4.5 6.7

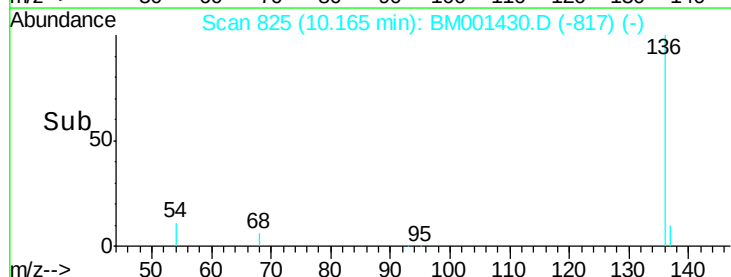
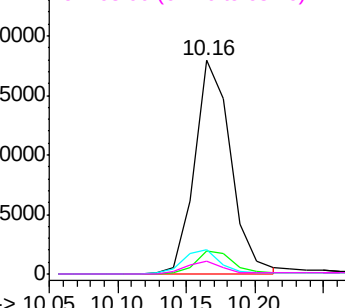


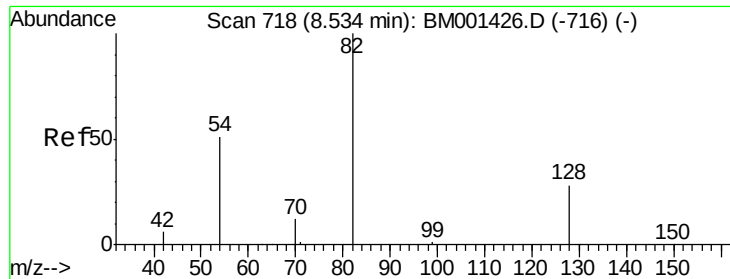
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.08 ng

RT: 8.53 min Scan# 718

Delta R.T. 0.00 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

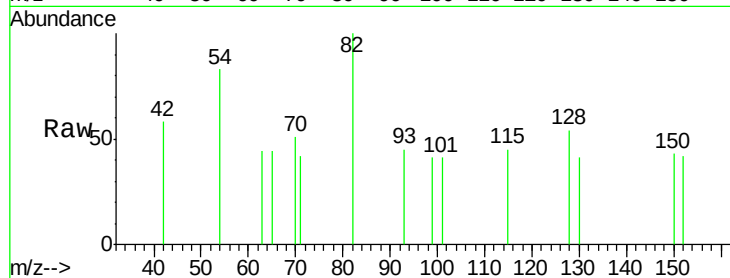
Tgt Ion: 82 Resp: 149

Ion Ratio Lower Upper

82 100

128 53.5 24.4 36.6#

54 83.3 42.3 63.5#

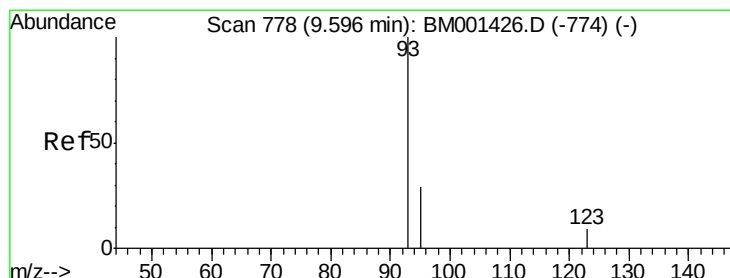
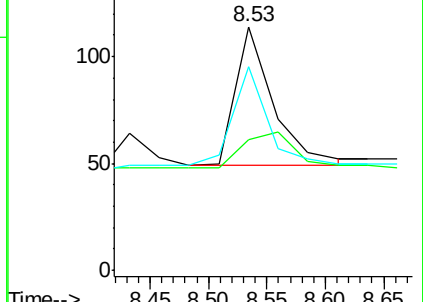
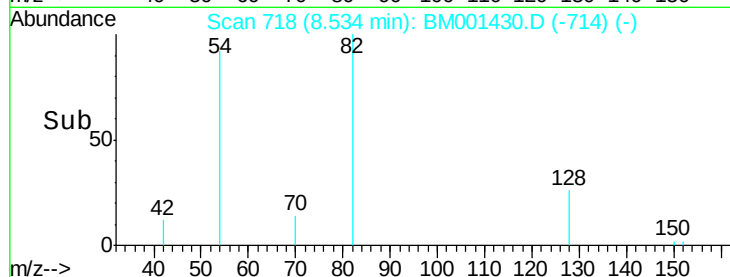


Abundance Ion 82.00 (81.70 to 82.70): BM001430.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BM001430.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BM001430.D (-714) (-)

Time-->



#8

bis(2-Chloroethoxy)methane

Concen: 0.05 ng

RT: 9.61 min Scan# 779

Delta R.T. 0.01 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

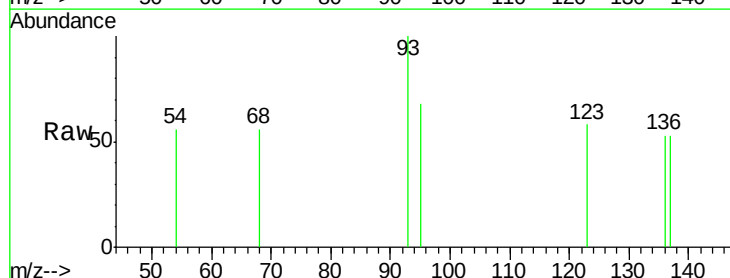
Tgt Ion: 93 Resp: 94

Ion Ratio Lower Upper

93 100

95 68.2 25.3 37.9#

123 58.0 10.2 15.2#

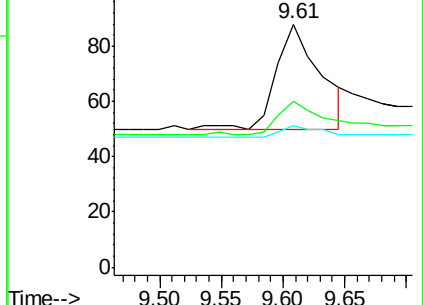
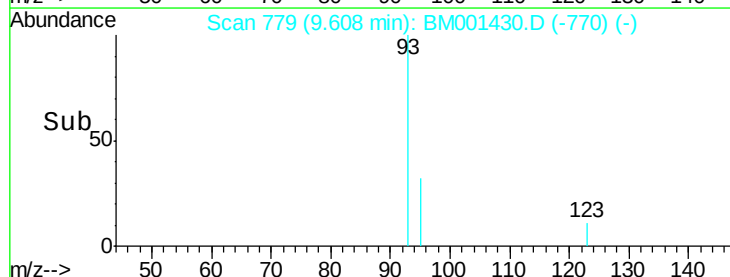


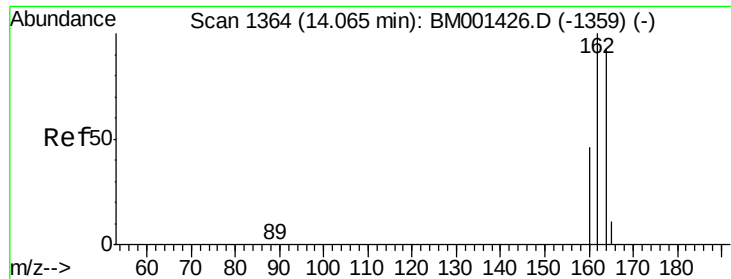
Abundance Ion 93.00 (92.70 to 93.70): BM001430.D (-770) (-)

Ion 95.00 (94.70 to 95.70): BM001430.D (-770) (-)

Ion 123.00 (122.70 to 123.70): BM001430.D (-770) (-)

Time-->





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

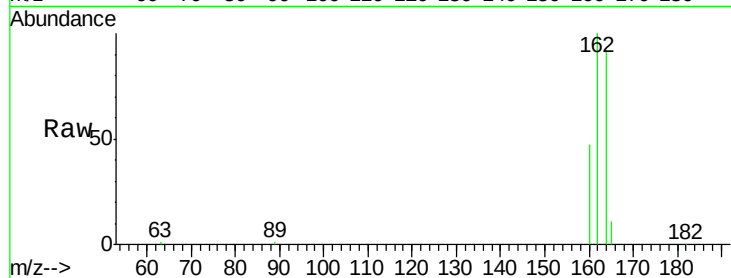
Tgt Ion:164 Resp: 20534

Ion Ratio Lower Upper

164 100

162 108.8 86.2 129.2

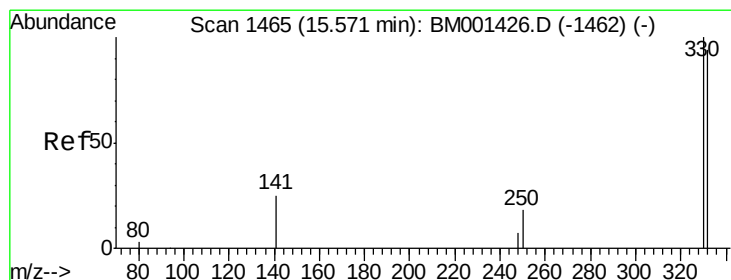
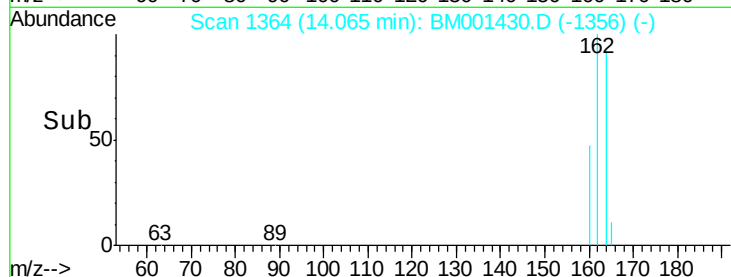
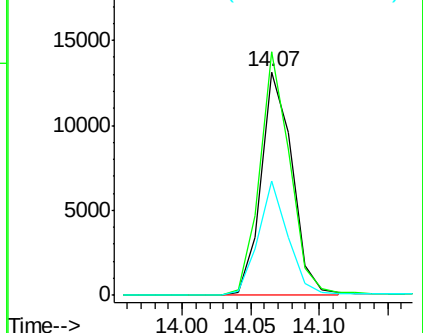
160 51.0 39.4 59.2



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: 0.07 ng

RT: 15.57 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

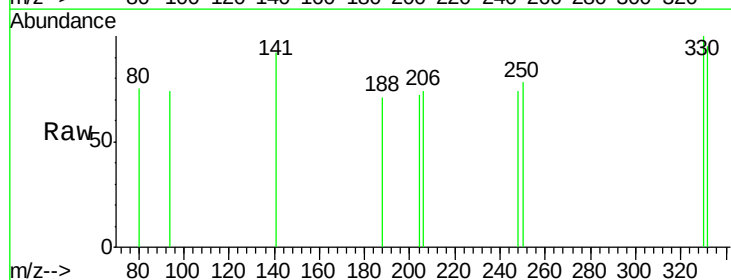
Tgt Ion:330 Resp: 43

Ion Ratio Lower Upper

330 100

332 97.7 76.3 114.5

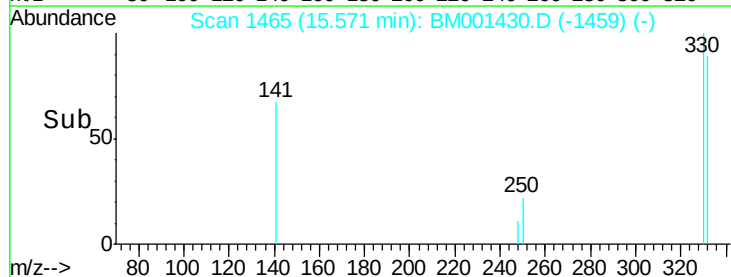
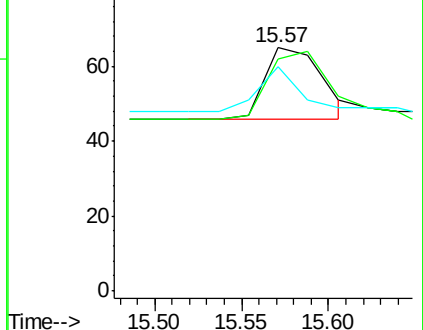
141 46.5 35.0 52.4

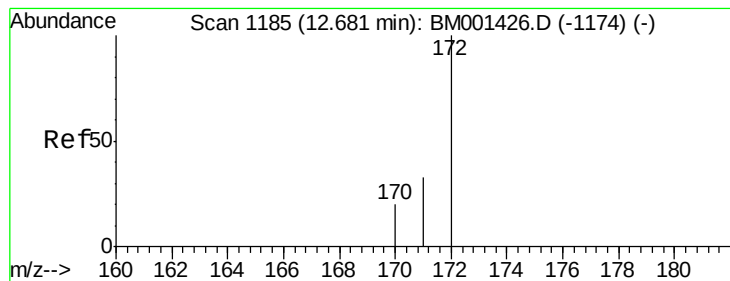


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#11

2-Fluorobiphenyl

Concen: 0.09 ng

RT: 12.69 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

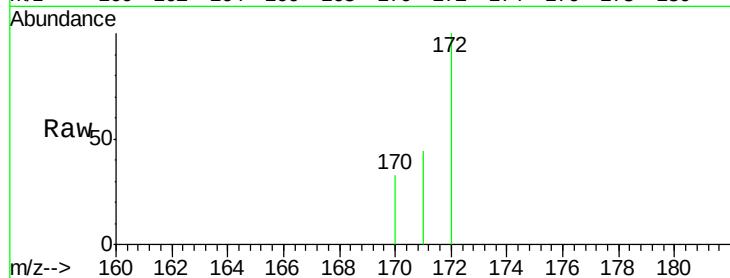
Tgt Ion:172 Resp: 530

Ion Ratio Lower Upper

172 100

171 44.1 26.9 40.3#

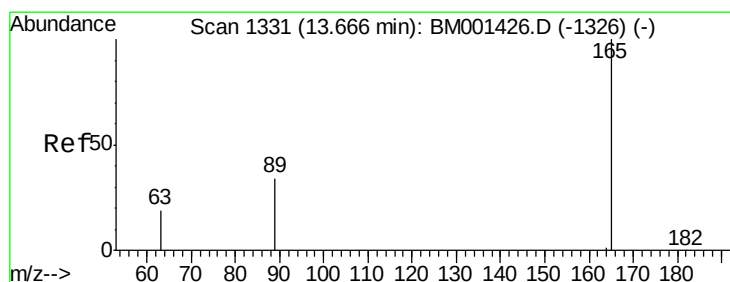
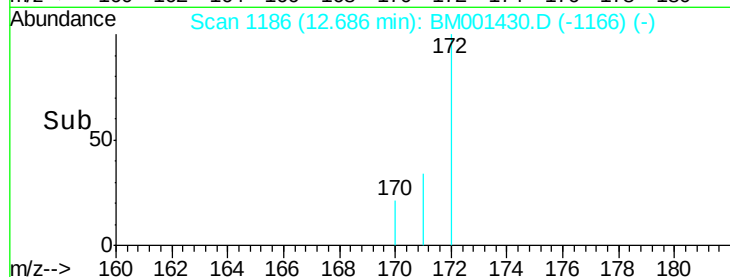
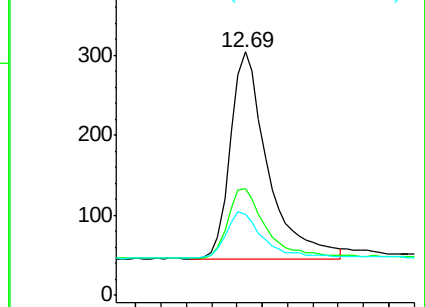
170 33.2 17.1 25.7#



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: 0.08 ng

RT: 13.67 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

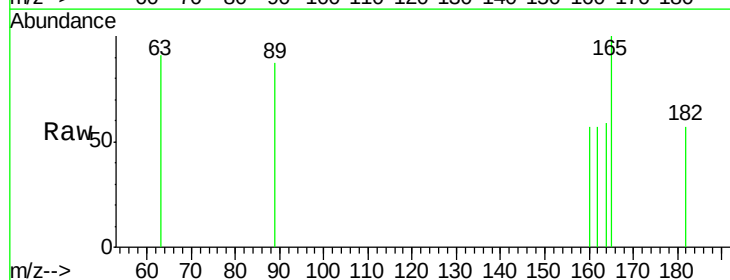
Tgt Ion:165 Resp: 65

Ion Ratio Lower Upper

165 100

63 91.5 29.1 43.7#

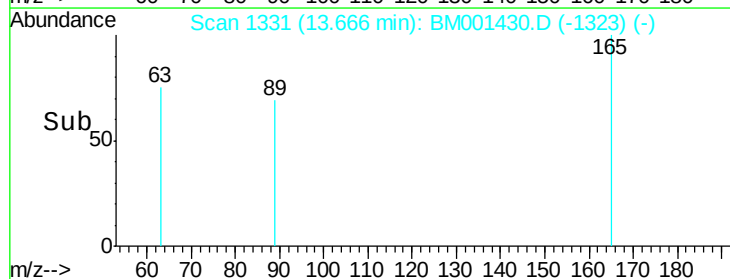
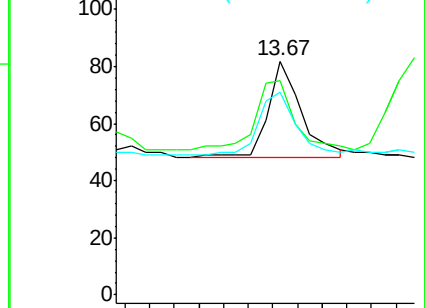
89 86.6 32.1 48.1#

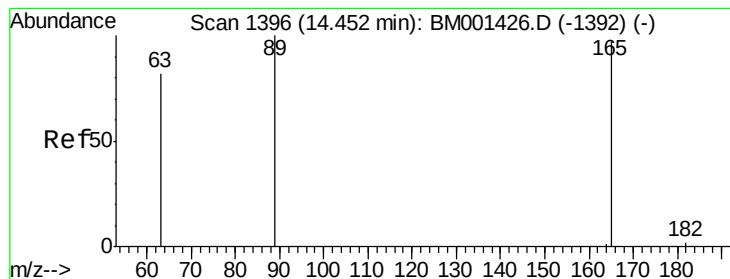


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#13

2,4-Dinitrotoluene

Concen: 0.05 ng

RT: 14.48 min Scan# 1398

Delta R.T. 0.02 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

Tgt Ion:165 Resp: 49

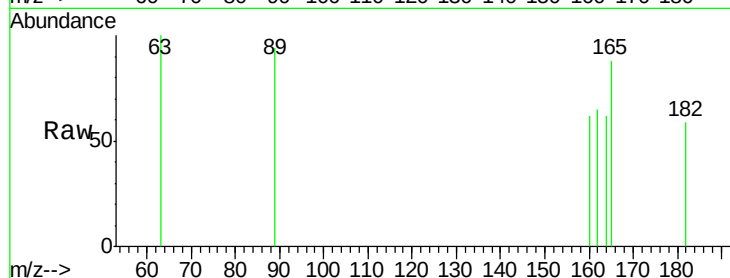
Ion Ratio Lower Upper

165 100

63 113.9 70.6 105.8#

89 106.9 82.4 123.6

182 66.7 7.5 11.3#



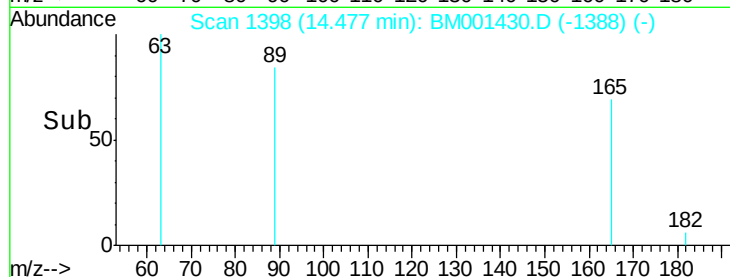
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

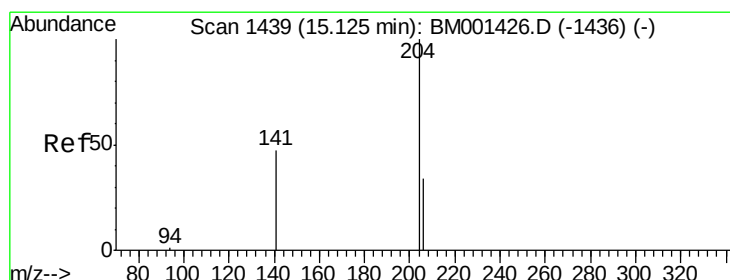
Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E

Time-->



Time-->



#14

4-Chlorophenyl-phenylether

Concen: 0.09 ng

RT: 15.12 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

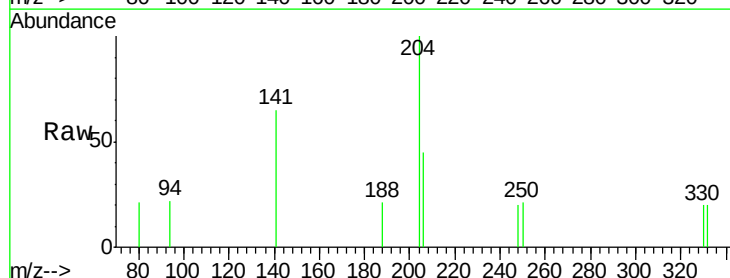
Tgt Ion:204 Resp: 289

Ion Ratio Lower Upper

204 100

206 45.0 27.8 41.8#

141 65.1 38.2 57.4#

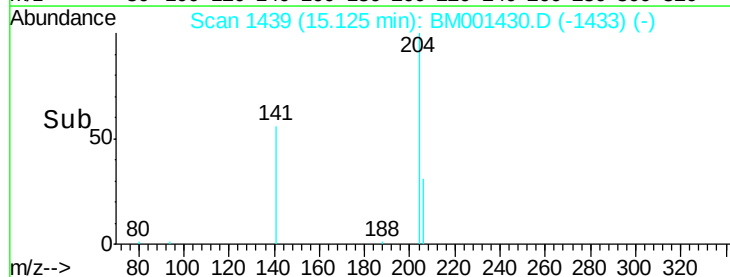


Abundance Ion 204.00 (203.70 to 204.70): E

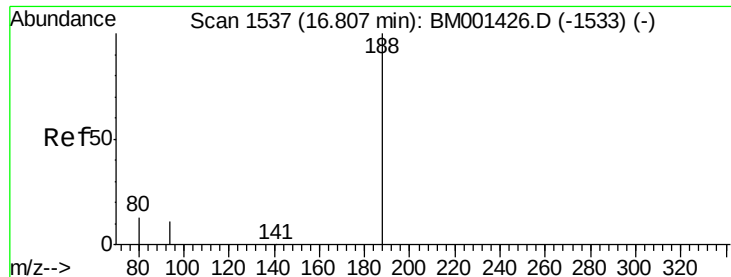
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.81 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.1

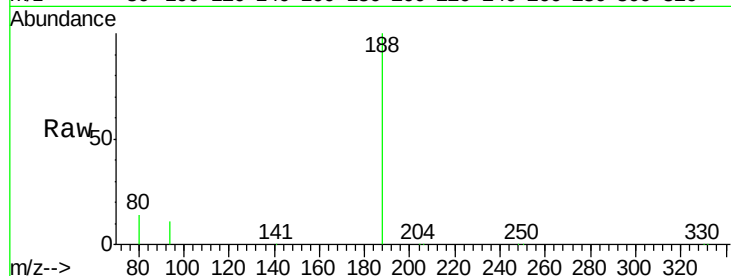
Tgt Ion:188 Resp: 46032

Ion Ratio Lower Upper

188 100

94 11.5 9.0 13.4

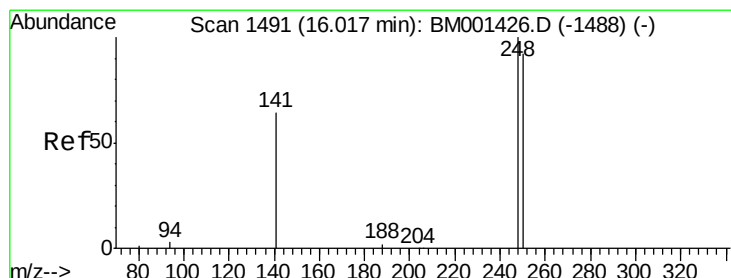
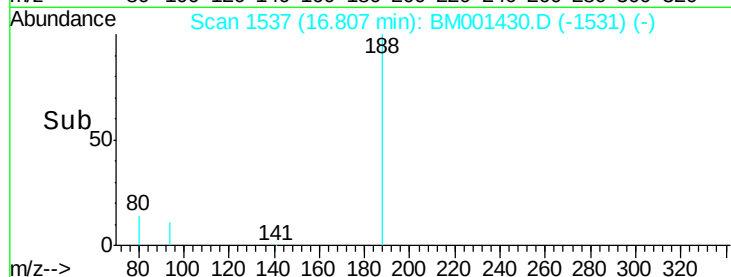
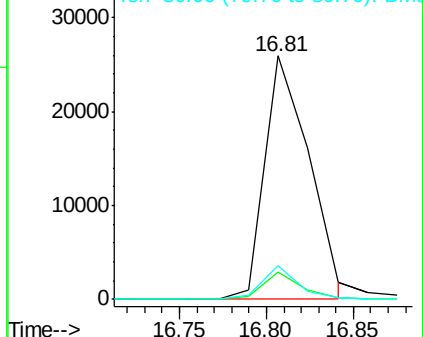
80 13.8 10.6 15.8



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: 0.09 ng

RT: 16.02 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

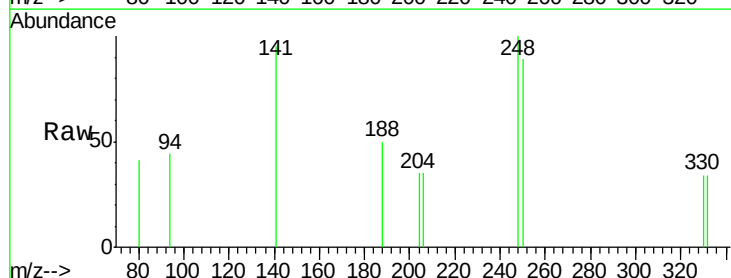
Tgt Ion:248 Resp: 166

Ion Ratio Lower Upper

248 100

250 88.8 74.1 111.1

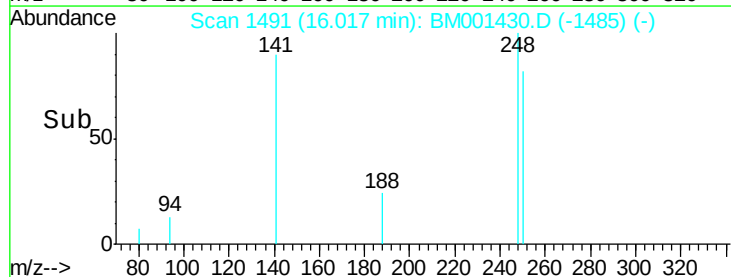
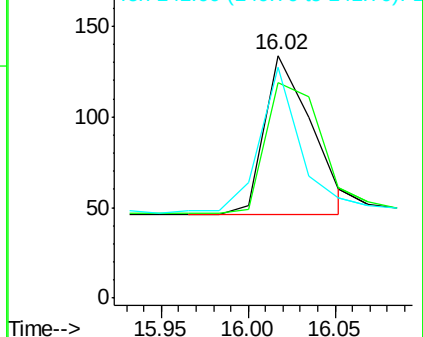
141 94.8 52.4 78.6#

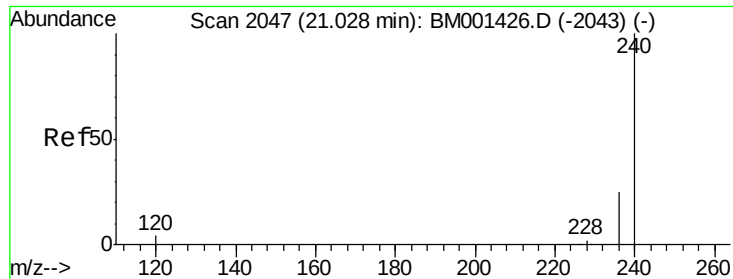


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2049

Delta R.T. -0.00 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

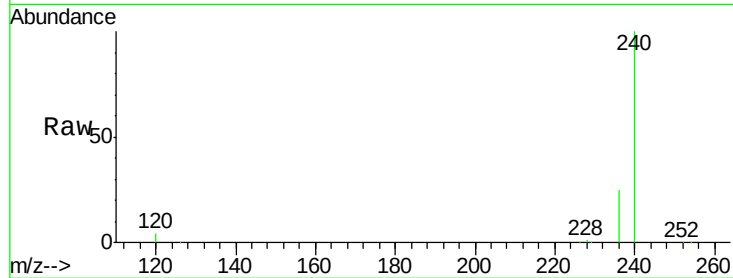
Tgt Ion:240 Resp: 43196

Ion Ratio Lower Upper

240 100

120 4.2 3.2 4.8

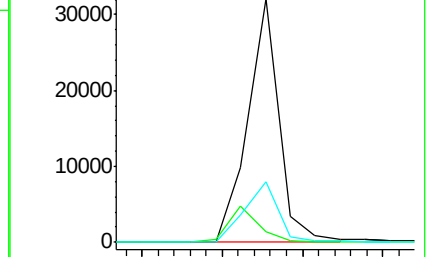
236 24.7 19.8 29.6



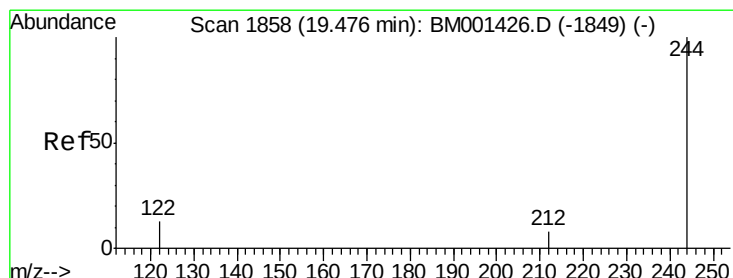
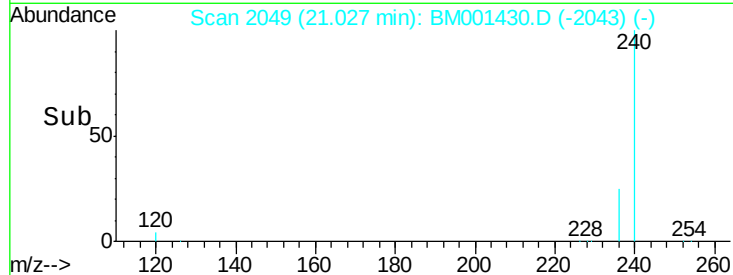
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#18

Terphenyl-d14

Concen: 0.10 ng

RT: 19.48 min Scan# 1860

Delta R.T. -0.00 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

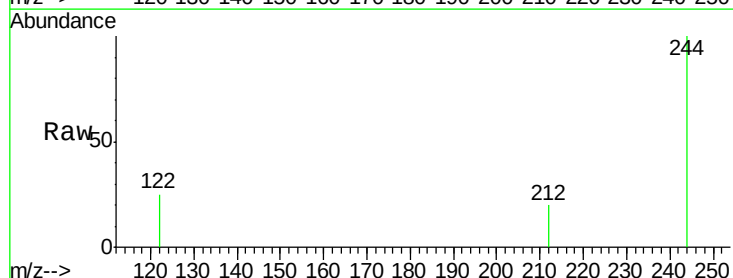
Tgt Ion:244 Resp: 523

Ion Ratio Lower Upper

244 100

212 19.9 7.4 11.2#

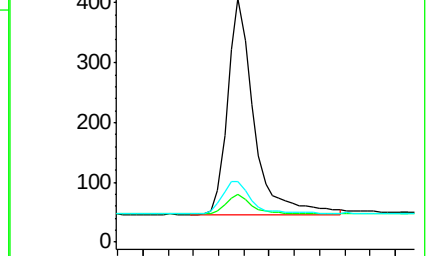
122 25.1 11.4 17.0#



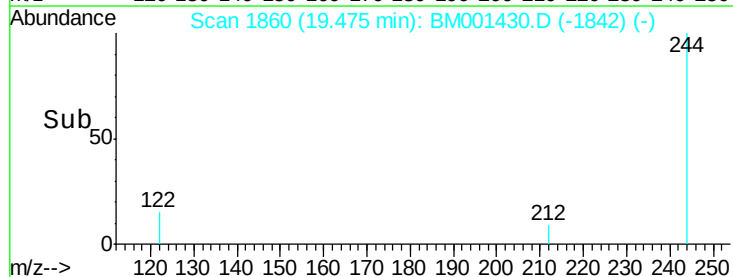
Abundance Ion 244.00 (243.70 to 244.70): E

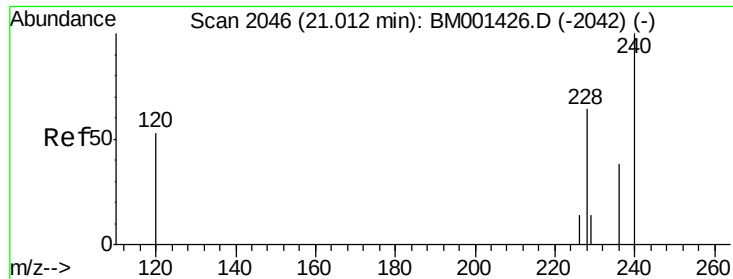
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#19

Benzo(a)anthracene

Concen: 0.41 ng

RT: 21.01 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

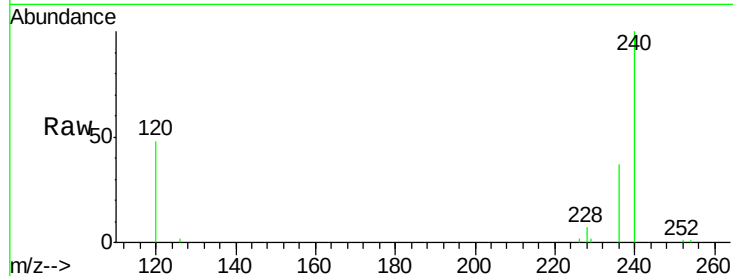
Tgt Ion:228 Resp: 1084

Ion Ratio Lower Upper

228 100

226 27.2 18.2 27.2

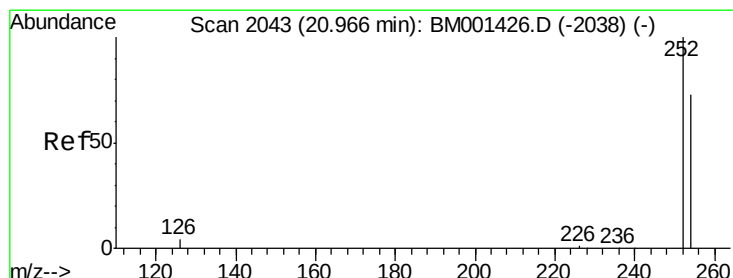
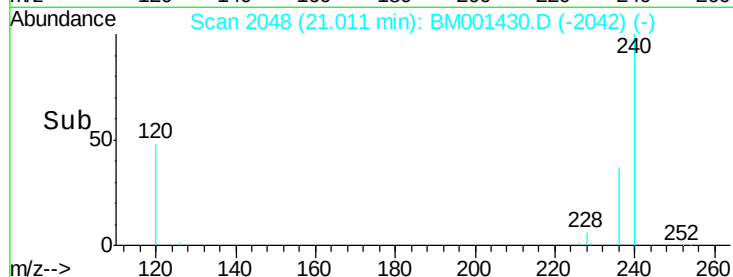
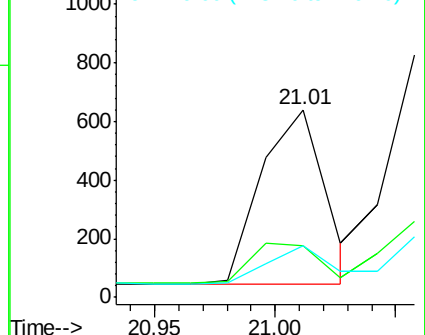
229 27.3 17.8 26.8#



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: 0.07 ng

RT: 20.97 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BM001430.D

Acq: 28 May 2015 14:58

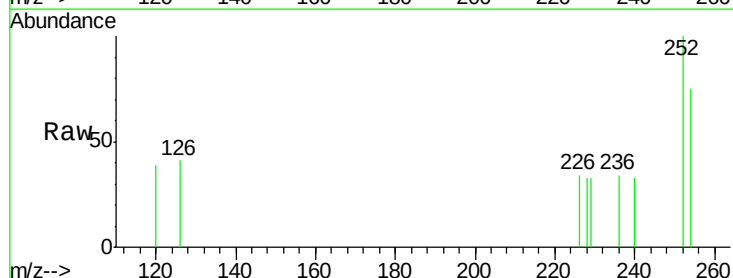
Tgt Ion:252 Resp: 178

Ion Ratio Lower Upper

252 100

254 75.0 59.0 88.6

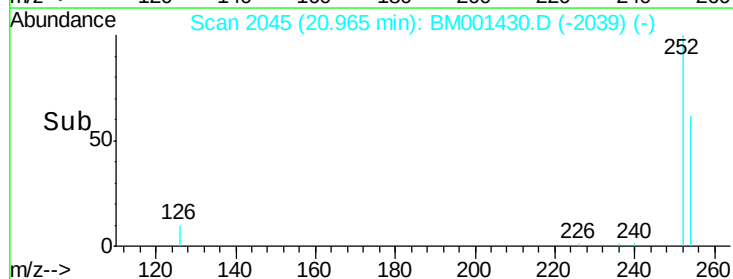
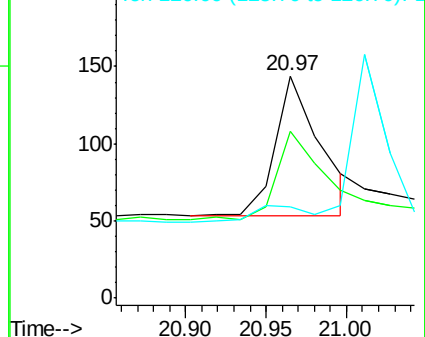
126 41.0 5.9 8.9#

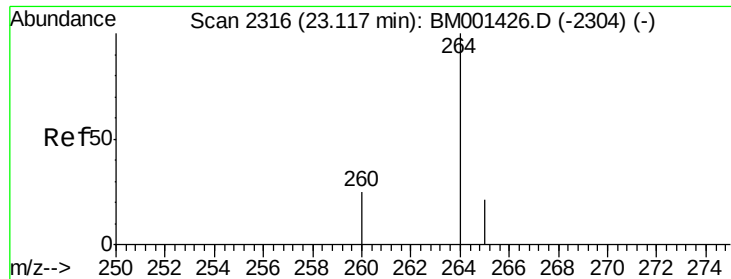


Abundance Ion 252.00 (251.70 to 252.70): E

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# 2318
Delta R.T. -0.00 min
Lab File: BM001430.D
Acq: 28 May 2015 14:58

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Tgt Ion: 264 Resp: 37982
Ion Ratio Lower Upper
264 100
260 24.2 20.1 30.1
265 22.4 17.3 25.9

