

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052815\
 Data File : BM001433.D
 Acq On : 28 May 2015 18:27
 Operator : TP/IZ
 Sample : PB83634BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83634BS

Quant Time: May 29 03:38:41 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	13063	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	46286	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	29206	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	67776	5.00	ng	0.00
17) Chrysene-d12	21.03	240	59283	5.00	ng	0.00
21) Perylene-d12	23.11	264	50697	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	23360	11.65	ng	0.00
3) Phenol-d6	6.57	99	29015	13.79	ng	-0.03
7) Nitrobenzene-d5	8.53	82	21345	8.62	ng	0.00
10) 2,4,6-Tribromophenol	15.57	330	15644	12.80	ng	0.00
11) 2-Fluorobiphenyl	12.68	172	62925	7.76	ng	0.00
18) Terphenyl-d14	19.47	244	62636	8.50	ng	0.00

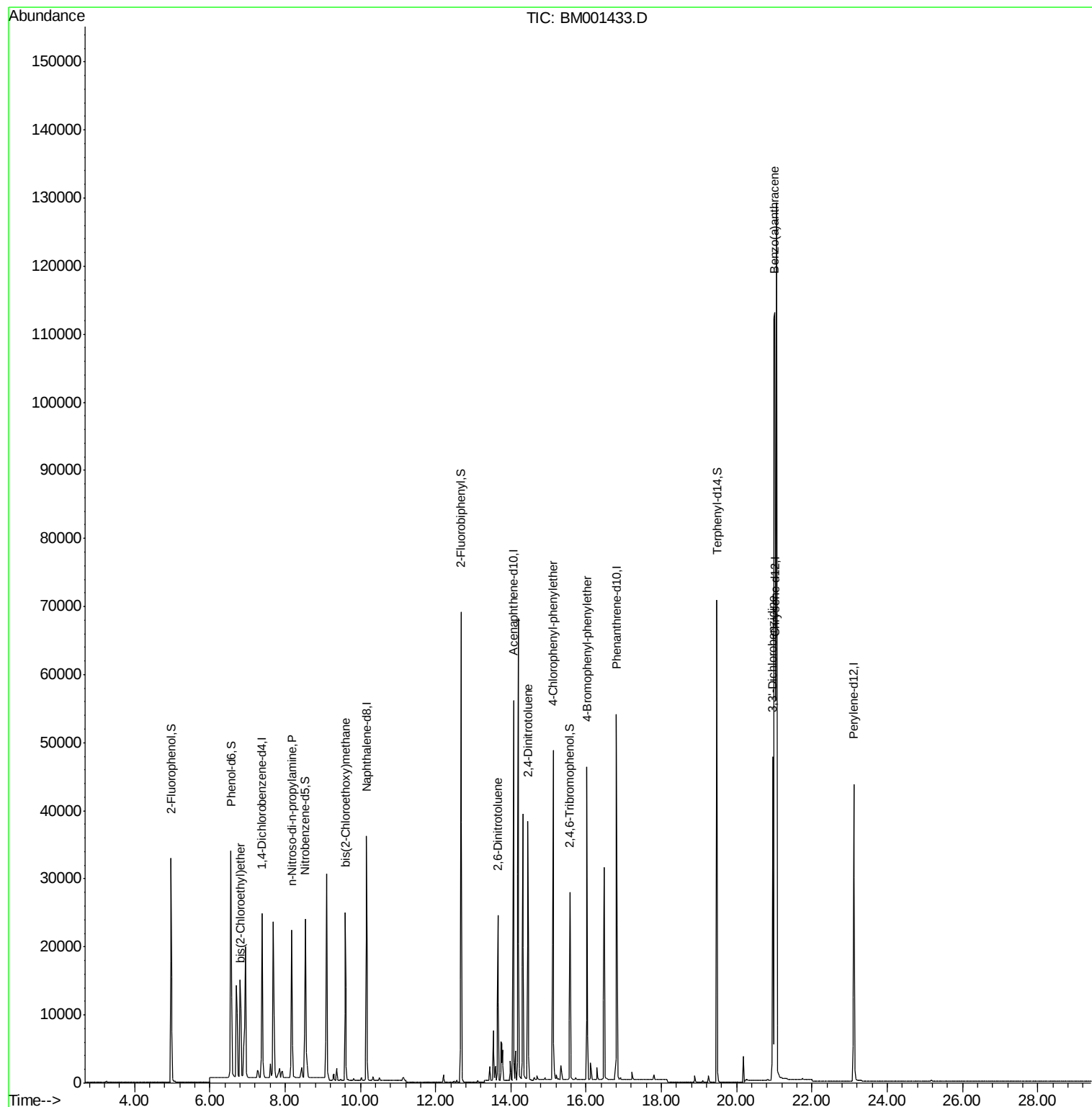
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.82	93	16364	7.43	ng	78
5) n-Nitroso-di-n-propylamine	8.18	70	15757	11.02	ng	# 79
8) bis(2-Chloroethoxy)methane	9.60	93	26056	8.21	ng	99
12) 2,6-Dinitrotoluene	13.65	165	15051	8.28	ng	# 44
13) 2,4-Dinitrotoluene	14.45	165	22334	10.48	ng	# 68
14) 4-Chlorophenyl-phenylether	15.12	204	37716	8.42	ng	97
16) 4-Bromophenyl-phenylether	16.02	248	23279	8.70	ng	92
19) Benzo(a)anthracene	21.00	228	124055	8.37	ng	# 85
20) 3,3'-Dichlorobenzidine	20.95	252	43602	8.65	ng	# 74

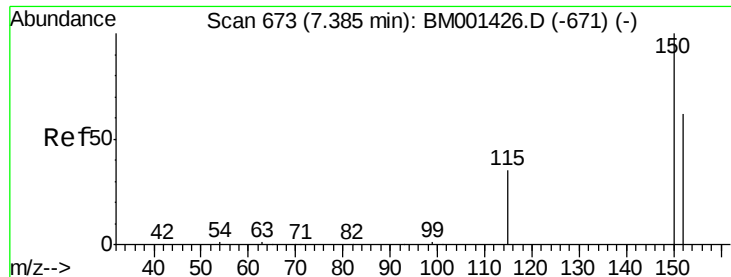
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052815\
Data File : BM001433.D
Acq On : 28 May 2015 18:27
Operator : TP/IZ
Sample : PB83634BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB83634BS

Quant Time: May 29 03:38:41 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.38 min Scan# 673

Delta R.T. 0.00 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

Instrument :

BNA_M

ClientSampleId :

PB83634BS

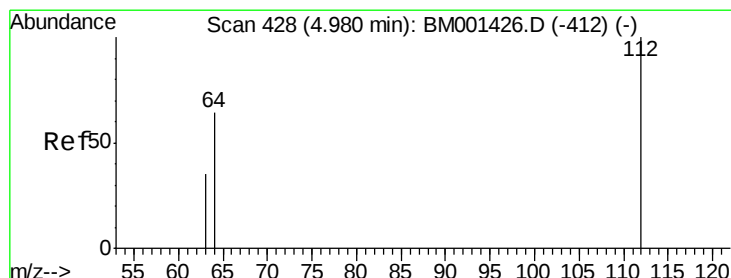
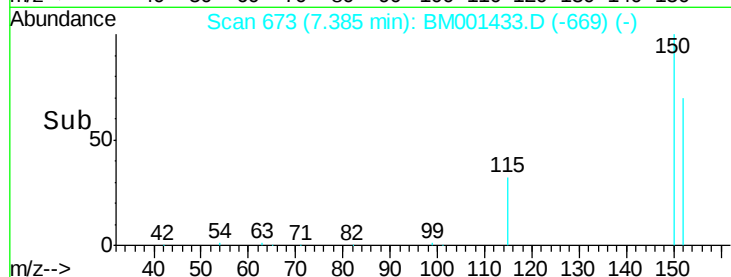
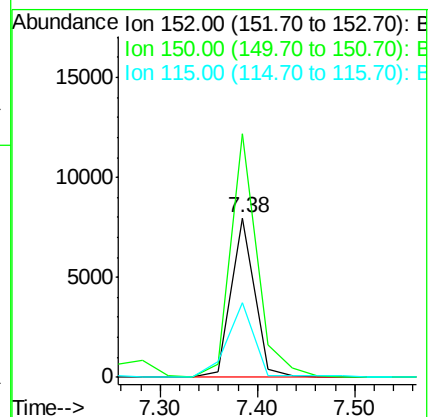
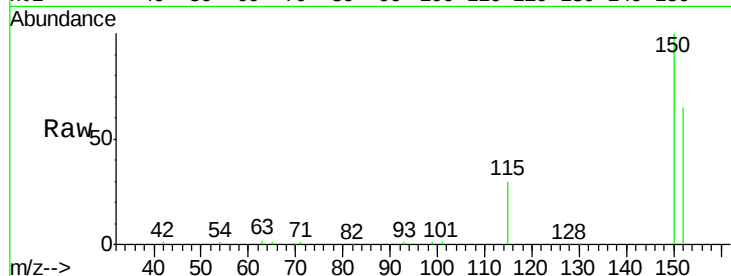
Tgt Ion:152 Resp: 13063

Ion Ratio Lower Upper

152 100

150 152.9 128.4 192.6

115 46.5 45.6 68.4



#2

2-Fluorophenol

Concen: 11.65 ng

RT: 4.97 min Scan# 427

Delta R.T. -0.01 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

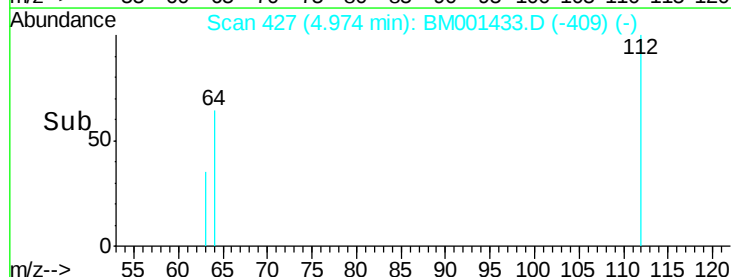
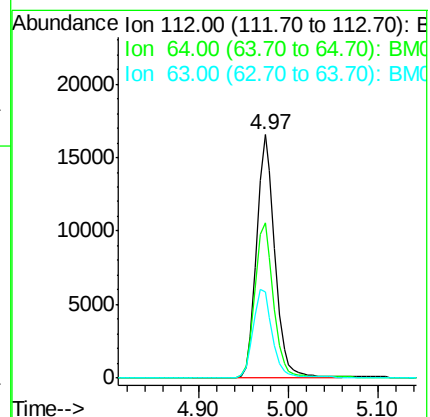
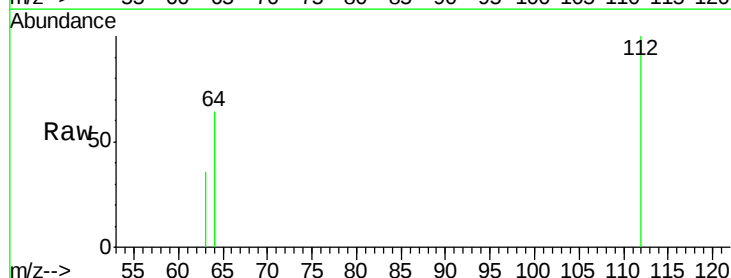
Tgt Ion:112 Resp: 23360

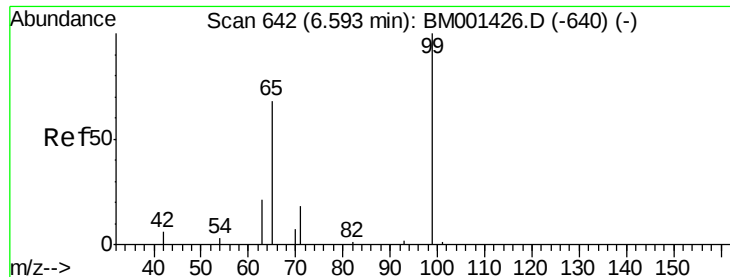
Ion Ratio Lower Upper

112 100

64 63.8 52.1 78.1

63 35.6 30.2 45.2





#3

Phenol-d6

Concen: 13.79 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.03 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

Instrument :

BNA_M

ClientSampleId :

PB83634BS

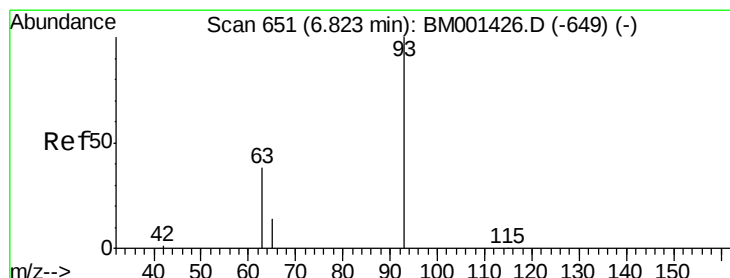
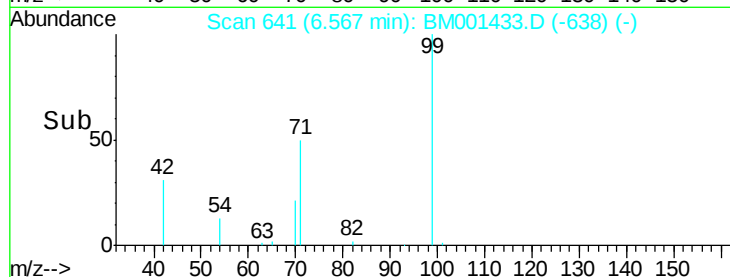
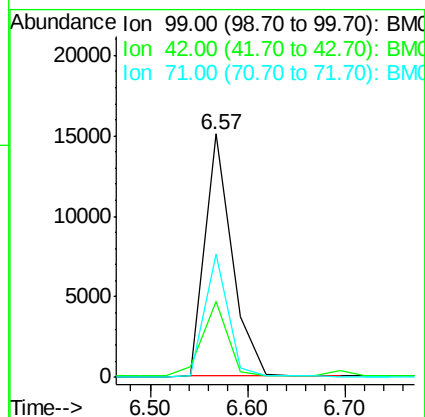
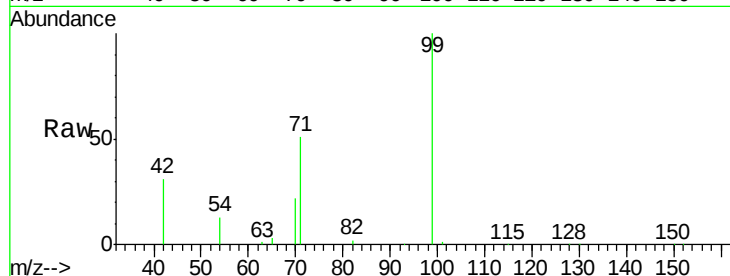
Tgt Ion: 99 Resp: 29015

Ion Ratio Lower Upper

99 100

42 31.0 13.7 20.5#

71 50.5 19.8 29.6#



#4

bis(2-Chloroethyl)ether

Concen: 7.43 ng

RT: 6.82 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

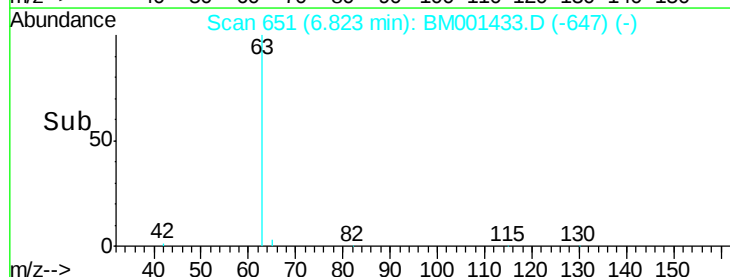
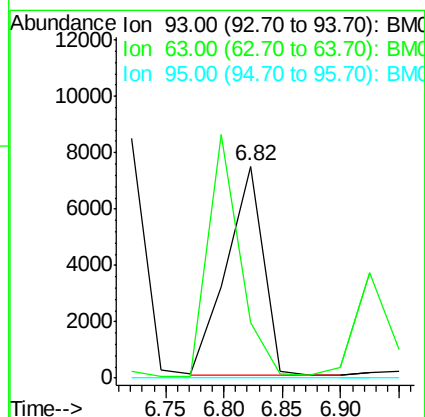
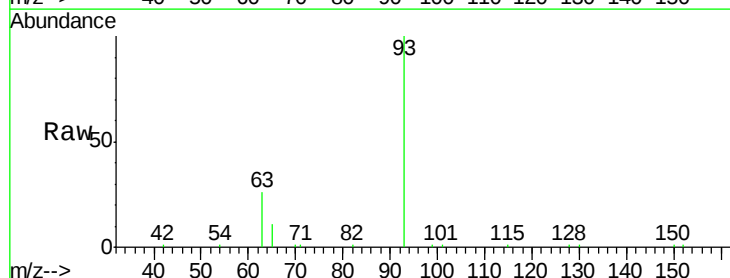
Tgt Ion: 93 Resp: 16364

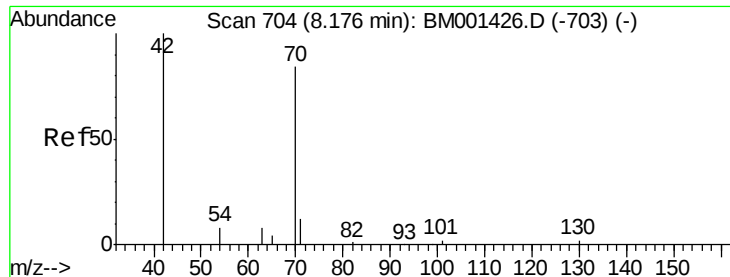
Ion Ratio Lower Upper

93 100

63 26.4 20.0 60.0

95 0.0 0.0 20.0





#5

n-Nitroso-di-n-propylamine

Concen: 11.02 ng

RT: 8.18 min Scan# 704

Delta R.T. 0.00 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

Instrument :

BNA_M

ClientSampled :

PB83634BS

Tgt Ion: 70 Resp: 15757

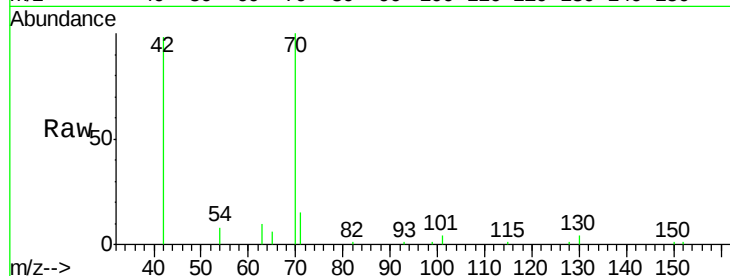
Ion Ratio Lower Upper

70 100

42 97.6 97.8 146.6#

101 4.5 8.2 12.2#

130 4.0 7.5 11.3#

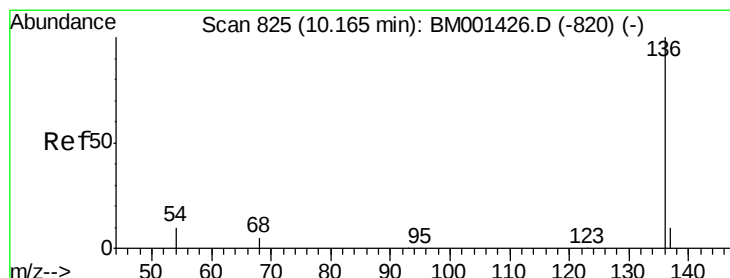
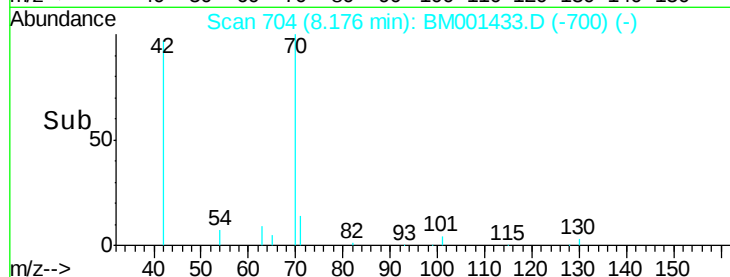
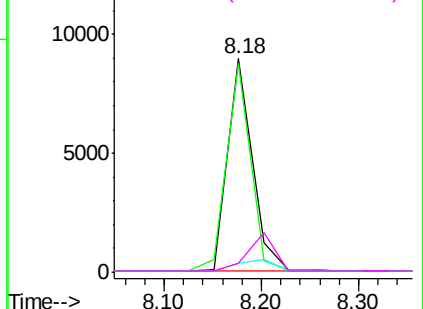


Abundance Ion 70.00 (69.70 to 70.70): BM0

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: BM001433.D

Acq: 28 May 2015 18:27

Tgt Ion: 136 Resp: 46286

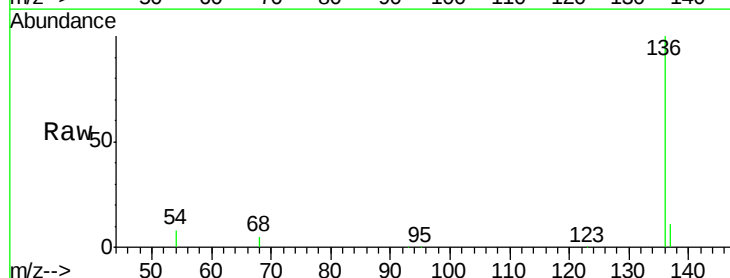
Ion Ratio Lower Upper

136 100

137 10.9 8.3 12.5

54 8.3 8.2 12.4

68 4.6 4.5 6.7

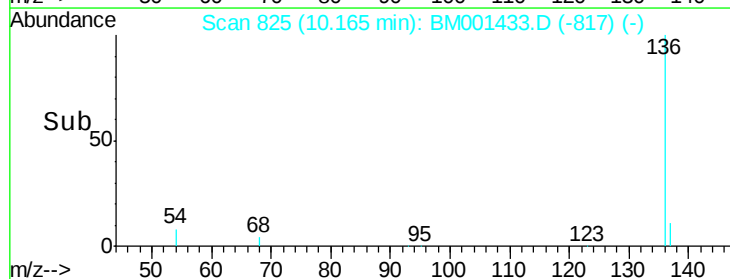
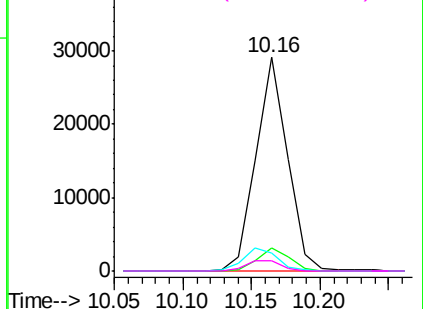


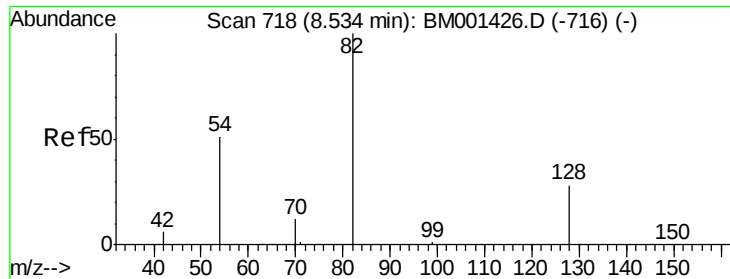
Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.62 ng

RT: 8.53 min Scan# 718

Delta R.T. 0.00 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

Instrument :

BNA_M

ClientSampleId :

PB83634BS

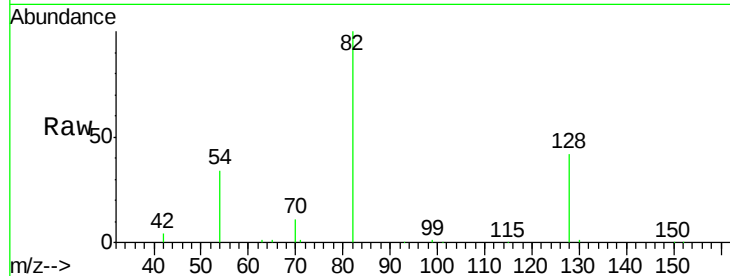
Tgt Ion: 82 Resp: 21345

Ion Ratio Lower Upper

82 100

128 42.2 24.4 36.6#

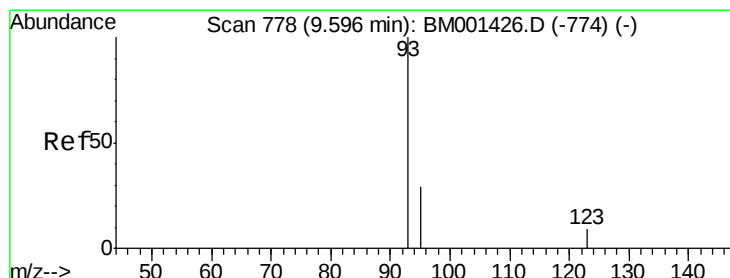
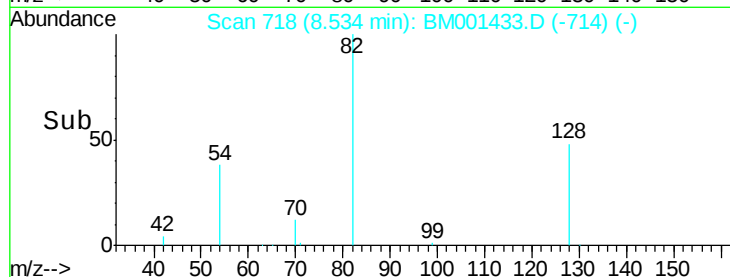
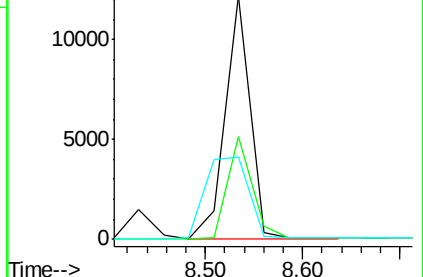
54 33.6 42.3 63.5#



Abundance Ion 82.00 (81.70 to 82.70): BM001426.D (-716) (-)

Ion 128.00 (127.70 to 128.70): BM001426.D (-716) (-)

Ion 54.00 (53.70 to 54.70): BM001426.D (-716) (-)



#8

bis(2-Chloroethoxy)methane

Concen: 8.21 ng

RT: 9.60 min Scan# 778

Delta R.T. 0.00 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

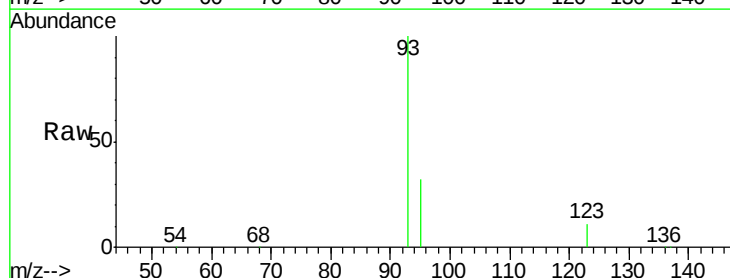
Tgt Ion: 93 Resp: 26056

Ion Ratio Lower Upper

93 100

95 31.7 25.3 37.9

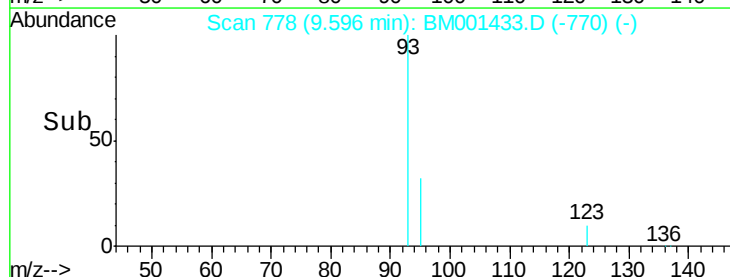
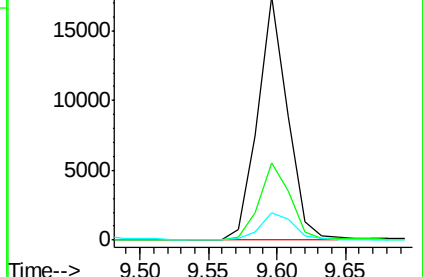
123 11.0 10.2 15.2

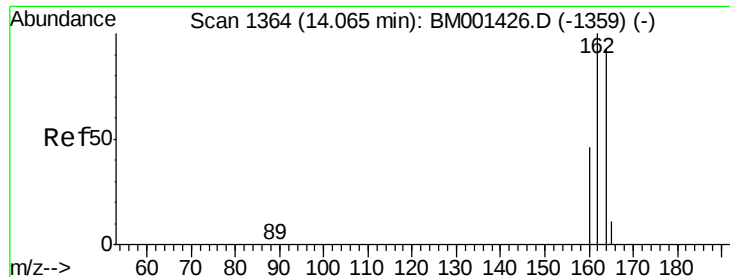


Abundance Ion 93.00 (92.70 to 93.70): BM001426.D (-774) (-)

Ion 95.00 (94.70 to 95.70): BM001426.D (-774) (-)

Ion 123.00 (122.70 to 123.70): BM001426.D (-774) (-)





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

Instrument :

BNA_M

ClientSampleId :

PB83634BS

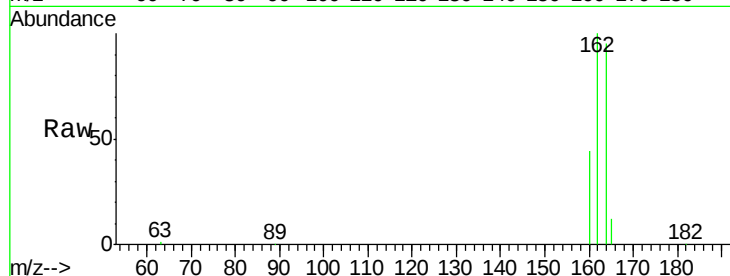
Tgt Ion:164 Resp: 29206

Ion Ratio Lower Upper

164 100

162 105.4 86.2 129.2

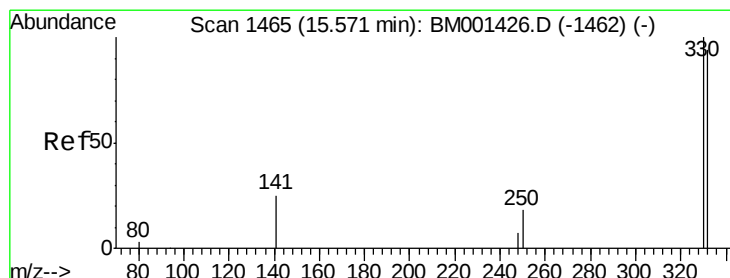
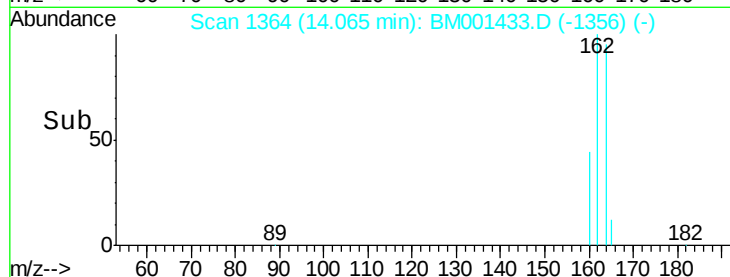
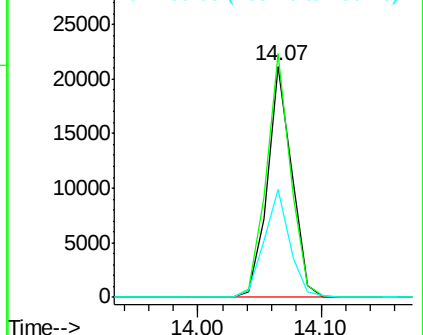
160 46.6 39.4 59.2



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: 12.80 ng

RT: 15.57 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

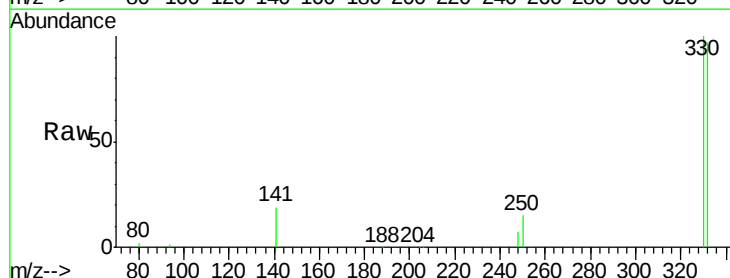
Tgt Ion:330 Resp: 15644

Ion Ratio Lower Upper

330 100

332 96.9 76.3 114.5

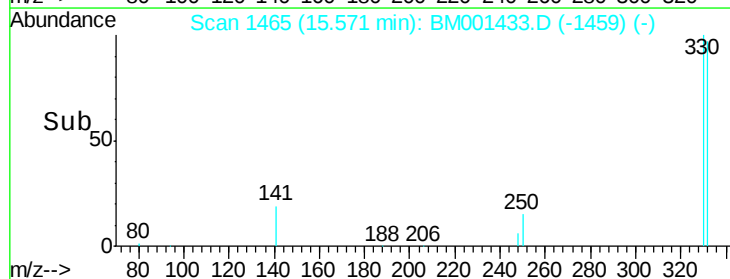
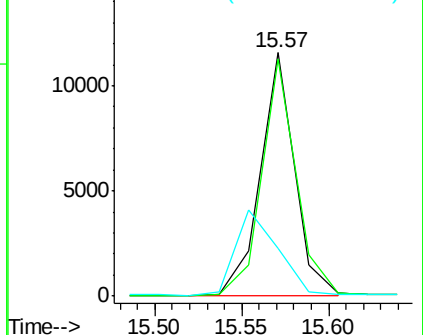
141 43.2 35.0 52.4

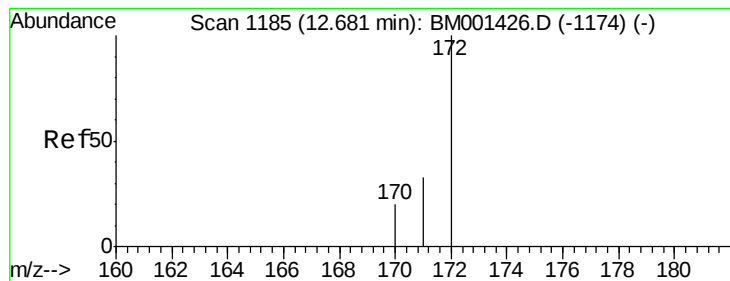


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

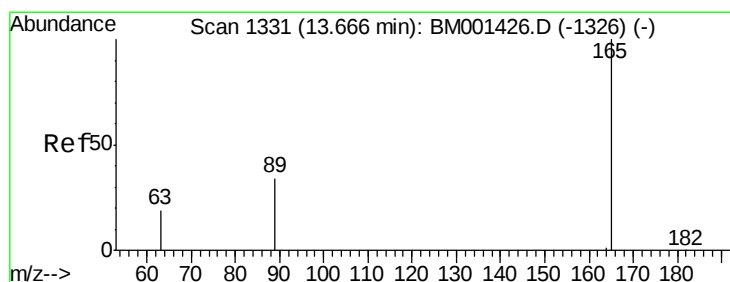
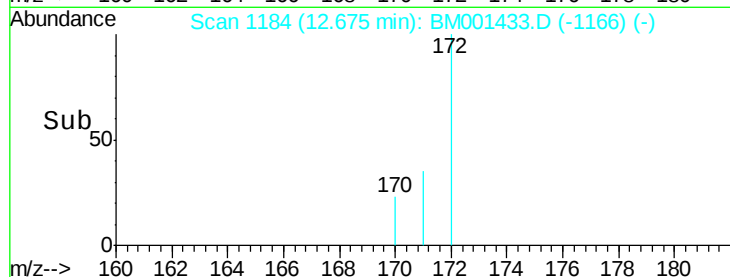
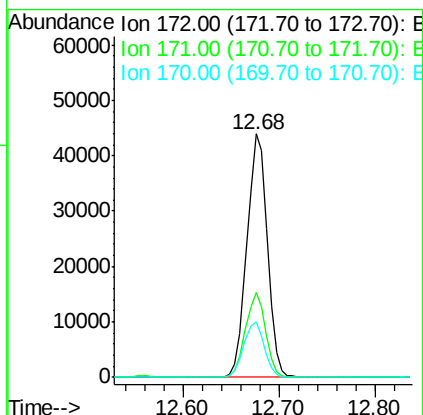
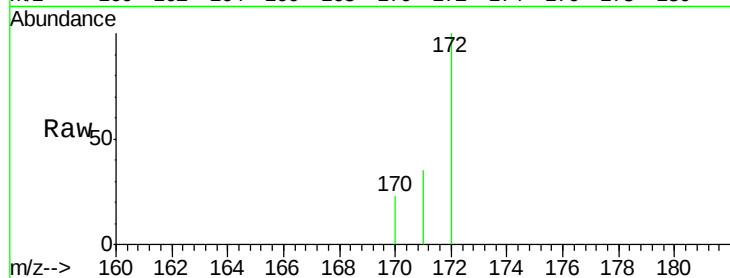




#11
2-Fluorobiphenyl
Concen: 7.76 ng
RT: 12.68 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BM001433.D
Acq: 28 May 2015 18:27

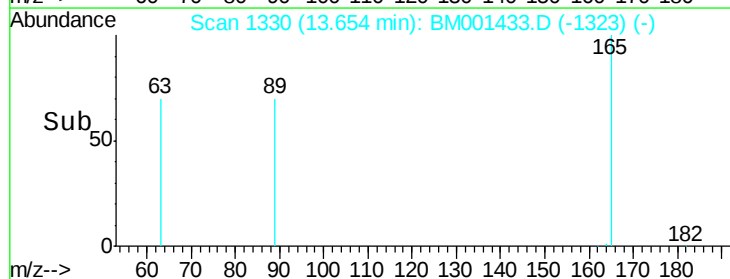
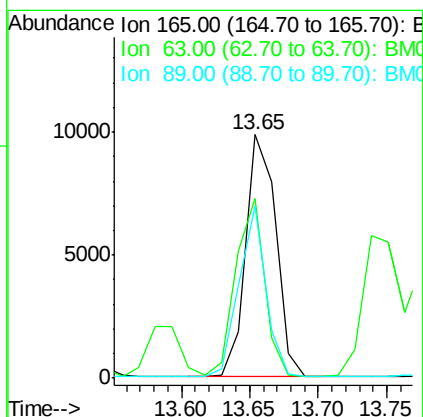
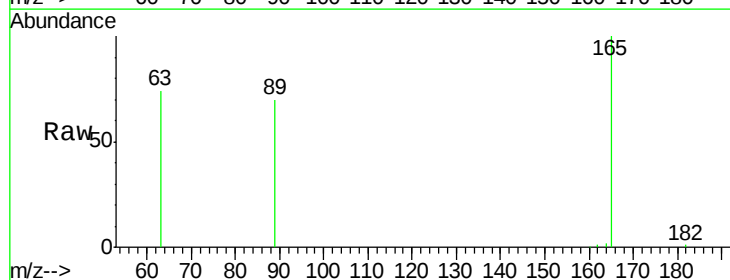
Instrument :
BNA_M
ClientSampleId :
PB83634BS

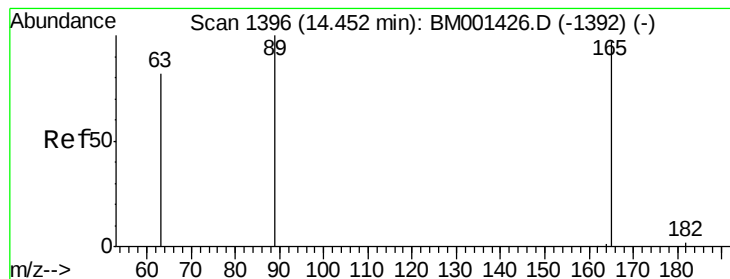
Tgt Ion:172 Resp: 62925
Ion Ratio Lower Upper
172 100
171 34.7 26.9 40.3
170 22.7 17.1 25.7



#12
2,6-Dinitrotoluene
Concen: 8.28 ng
RT: 13.65 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BM001433.D
Acq: 28 May 2015 18:27

Tgt Ion:165 Resp: 15051
Ion Ratio Lower Upper
165 100
63 74.0 29.1 43.7#
89 70.5 32.1 48.1#





#13

2,4-Dinitrotoluene

Concen: 10.48 ng

RT: 14.45 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

Instrument :

BNA_M

ClientSampleId :

PB83634BS

Tgt Ion:165 Resp: 22334

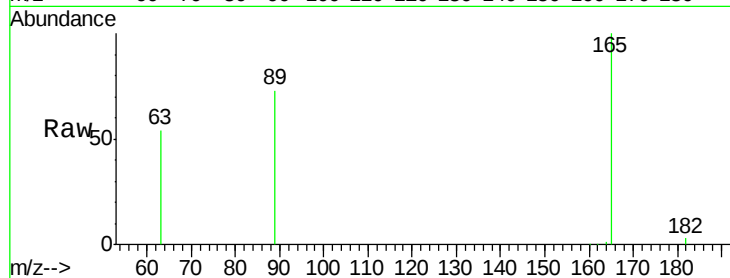
Ion Ratio Lower Upper

165 100

63 53.9 70.6 105.8#

89 72.8 82.4 123.6#

182 2.8 7.5 11.3#

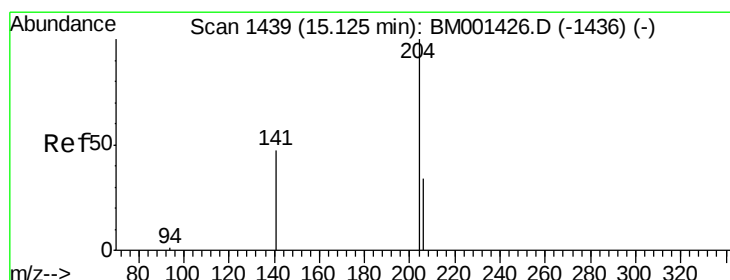
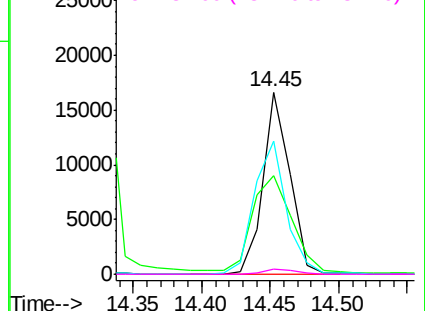
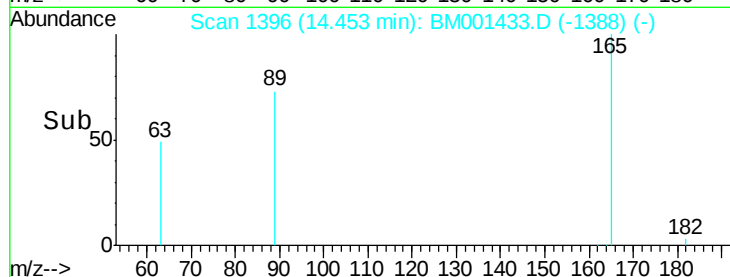


Abundance Ion 165.00 (164.70 to 165.70): E

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



#14

4-Chlorophenyl-phenylether

Concen: 8.42 ng

RT: 15.12 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

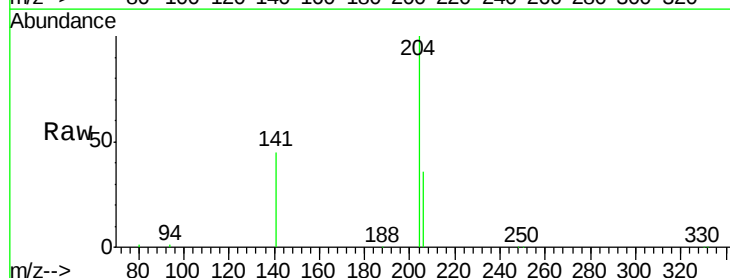
Tgt Ion:204 Resp: 37716

Ion Ratio Lower Upper

204 100

206 35.8 27.8 41.8

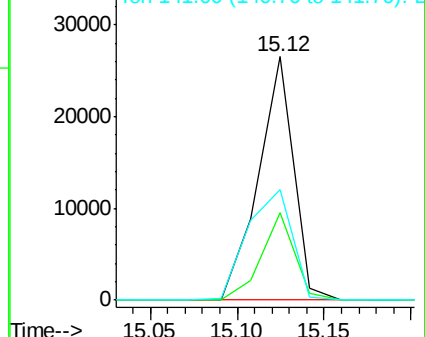
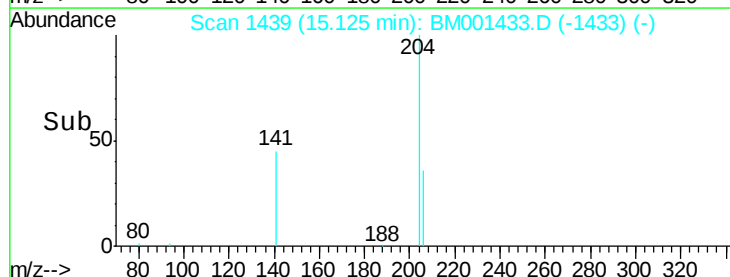
141 45.2 38.2 57.4

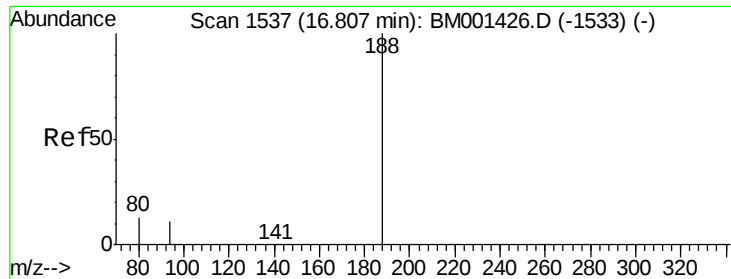


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.81 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

Instrument :

BNA_M

ClientSampleId :

PB83634BS

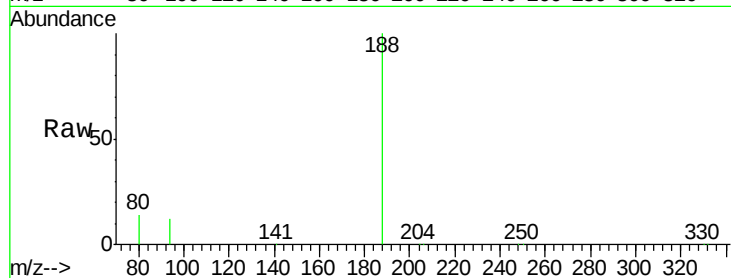
Tgt Ion:188 Resp: 67776

Ion Ratio Lower Upper

188 100

94 11.7 9.0 13.4

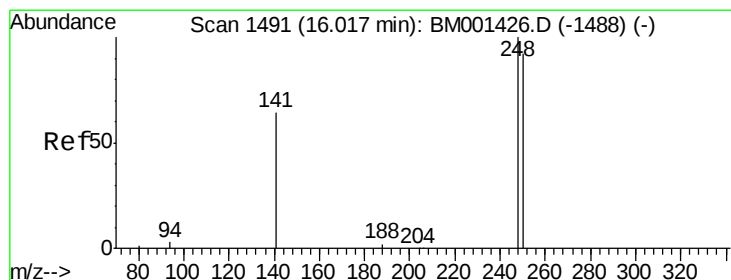
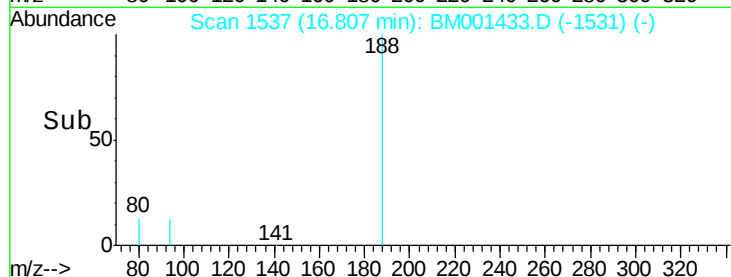
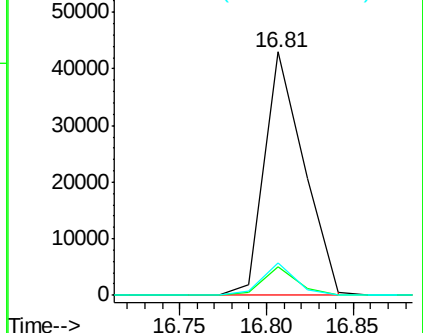
80 13.5 10.6 15.8



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: 8.70 ng

RT: 16.02 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

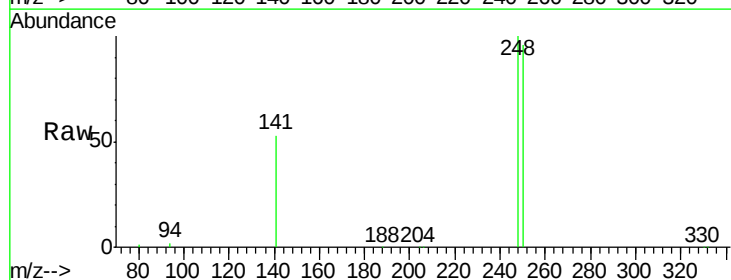
Tgt Ion:248 Resp: 23279

Ion Ratio Lower Upper

248 100

250 95.9 74.1 111.1

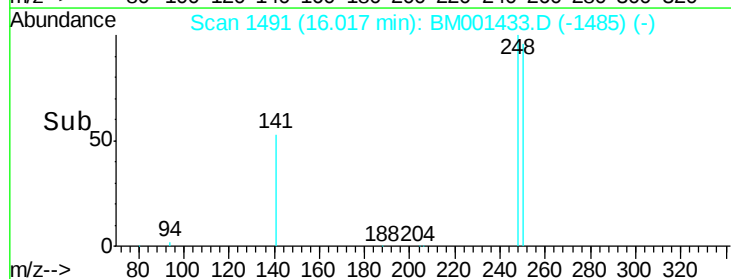
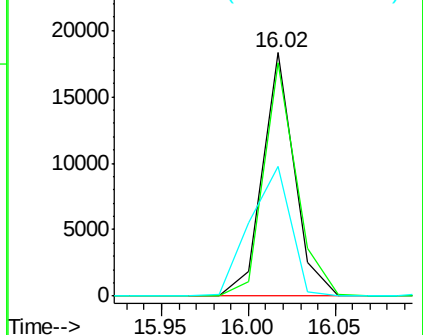
141 53.4 52.4 78.6

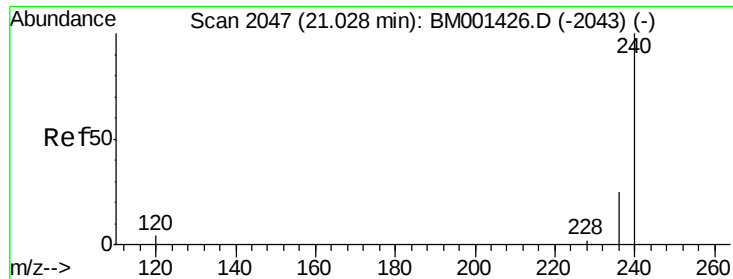


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2047

Delta R.T. 0.00 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

Instrument :

BNA_M

ClientSampleId :

PB83634BS

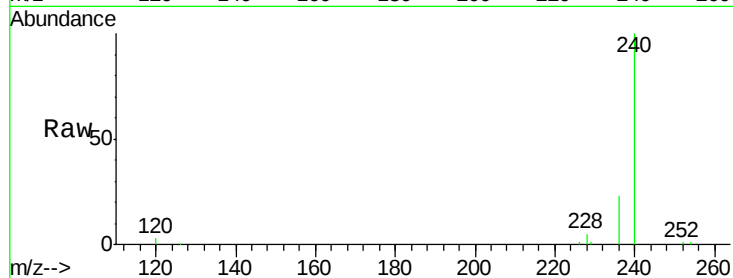
Tgt Ion:240 Resp: 59283

Ion Ratio Lower Upper

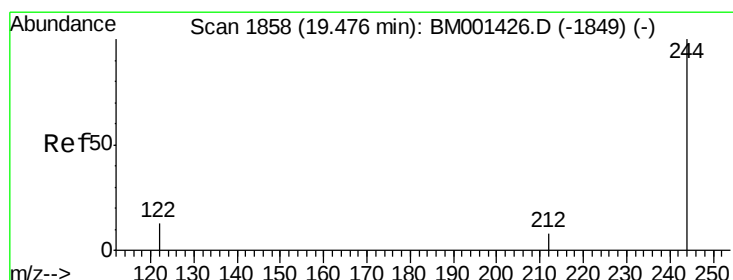
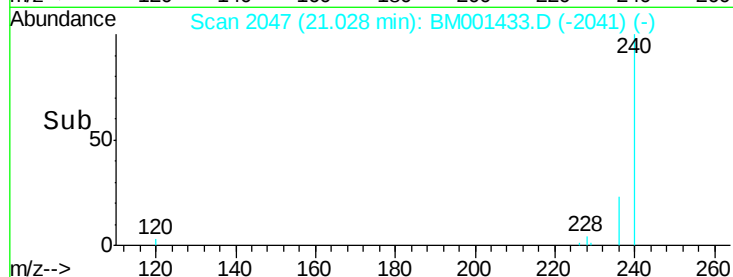
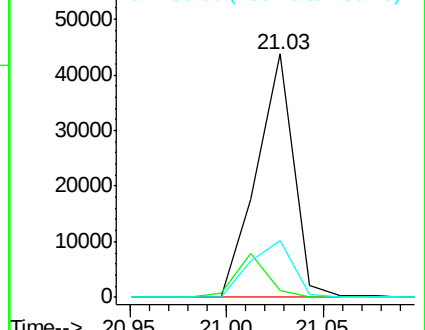
240 100

120 3.0 3.2 4.8#

236 23.2 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: 8.50 ng

RT: 19.47 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

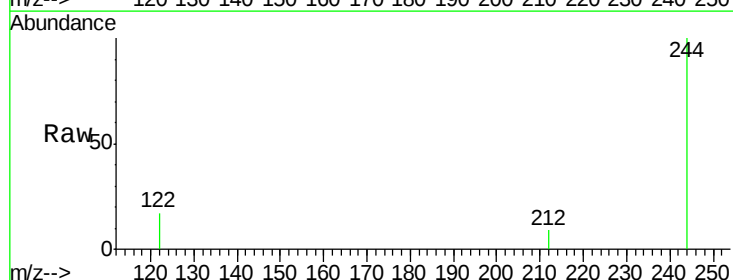
Tgt Ion:244 Resp: 62636

Ion Ratio Lower Upper

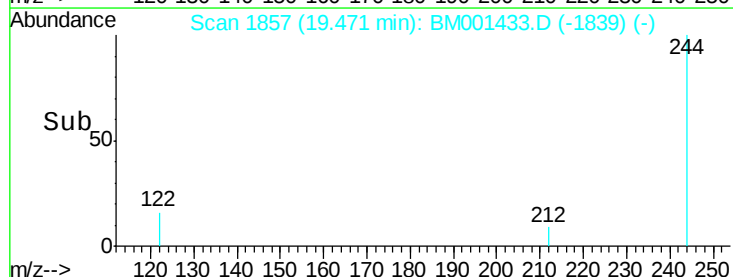
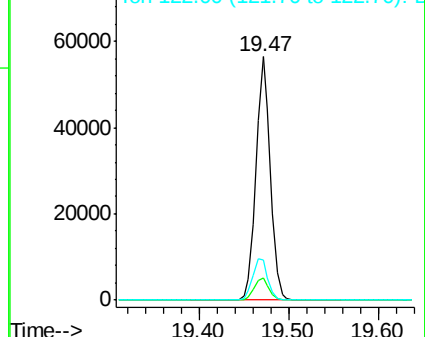
244 100

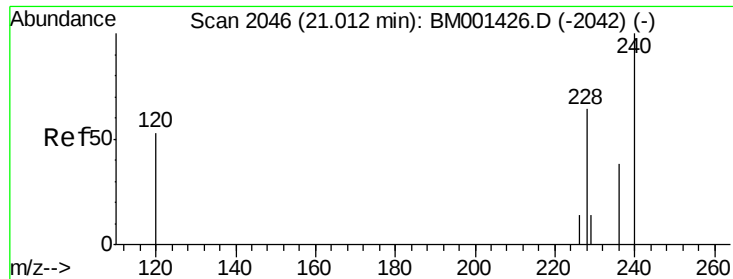
212 9.3 7.4 11.2

122 16.5 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: 8.37 ng

RT: 21.00 min Scan# 2045

Delta R.T. -0.02 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

Instrument :

BNA_M

ClientSampleId :

PB83634BS

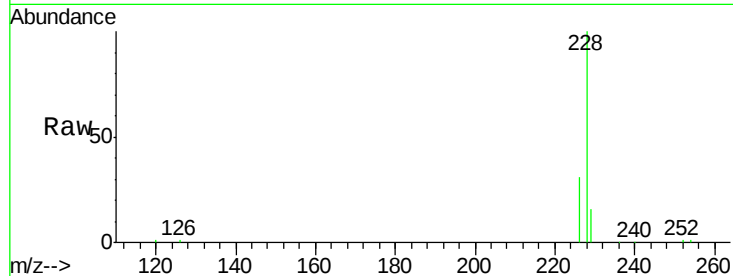
Tgt Ion:228 Resp: 124055

Ion Ratio Lower Upper

228 100

226 30.9 18.2 27.2#

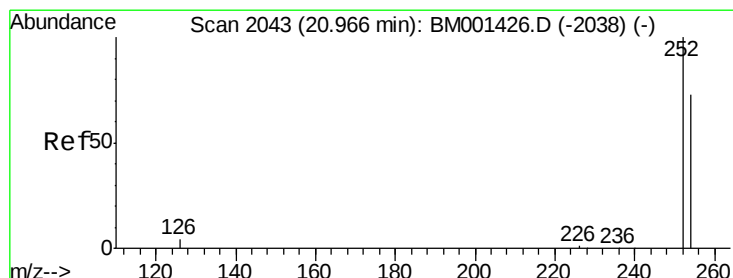
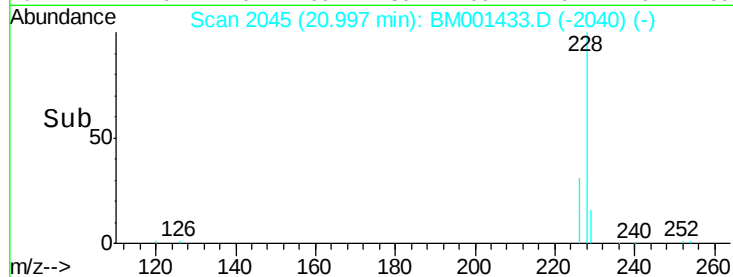
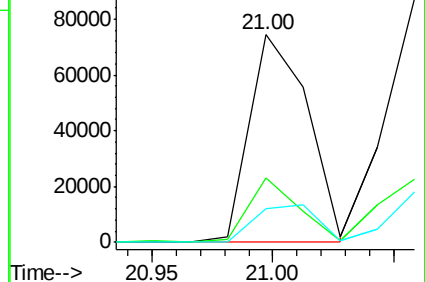
229 16.4 17.8 26.8#



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: 8.65 ng

RT: 20.95 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BM001433.D

Acq: 28 May 2015 18:27

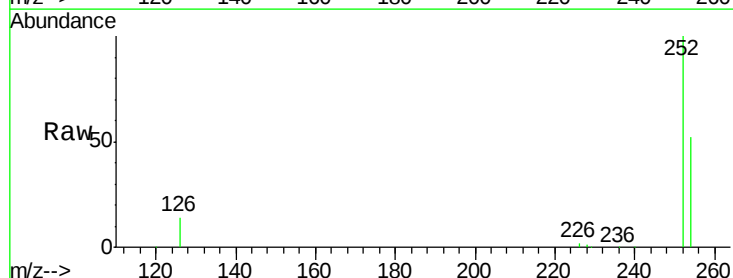
Tgt Ion:252 Resp: 43602

Ion Ratio Lower Upper

252 100

254 51.6 59.0 88.6#

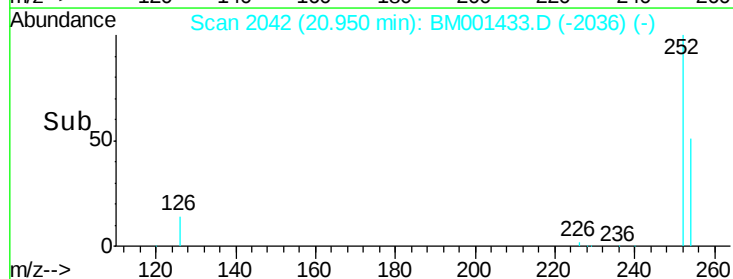
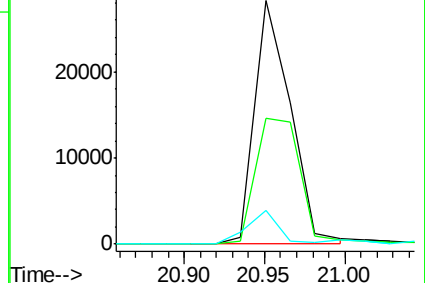
126 13.7 5.9 8.9#

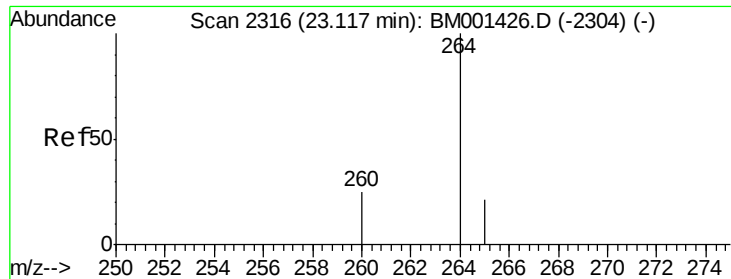


Abundance Ion 252.00 (251.70 to 252.70): E

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# 2315
Delta R.T. -0.01 min
Lab File: BM001433.D
Acq: 28 May 2015 18:27

Instrument :
BNA_M
ClientSampleId :
PB83634BS

Tgt Ion: 264 Resp: 50697
Ion Ratio Lower Upper
264 100
260 25.3 20.1 30.1
265 21.0 17.3 25.9

