

Data Path : Z:\HPCHEM1\BNA_M\Data\BM052815\
 Data File : BM001437.D
 Acq On : 28 May 2015 22:06
 Operator : TP/IZ
 Sample : G2406-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 KM-SP-001-150518

Quant Time: May 29 03:46:29 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	13216	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	43283	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	26099	5.00	ng	0.00
15) Phenanthrene-d10	16.82	188	59600	5.00	ng	0.01
17) Chrysene-d12	21.03	240	52992	5.00	ng	0.00
21) Perylene-d12	23.11	264	44812	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	23078	11.41	ng	0.00
3) Phenol-d6	6.57	99	29547	13.83	ng	-0.03
7) Nitrobenzene-d5	8.53	82	20400	8.83	ng	0.00
10) 2,4,6-Tribromophenol	15.56	330	12827	11.77	ng	0.00
11) 2-Fluorobiphenyl	12.68	172	62673	8.65	ng	0.00
18) Terphenyl-d14	19.47	244	61666	9.36	ng	0.00

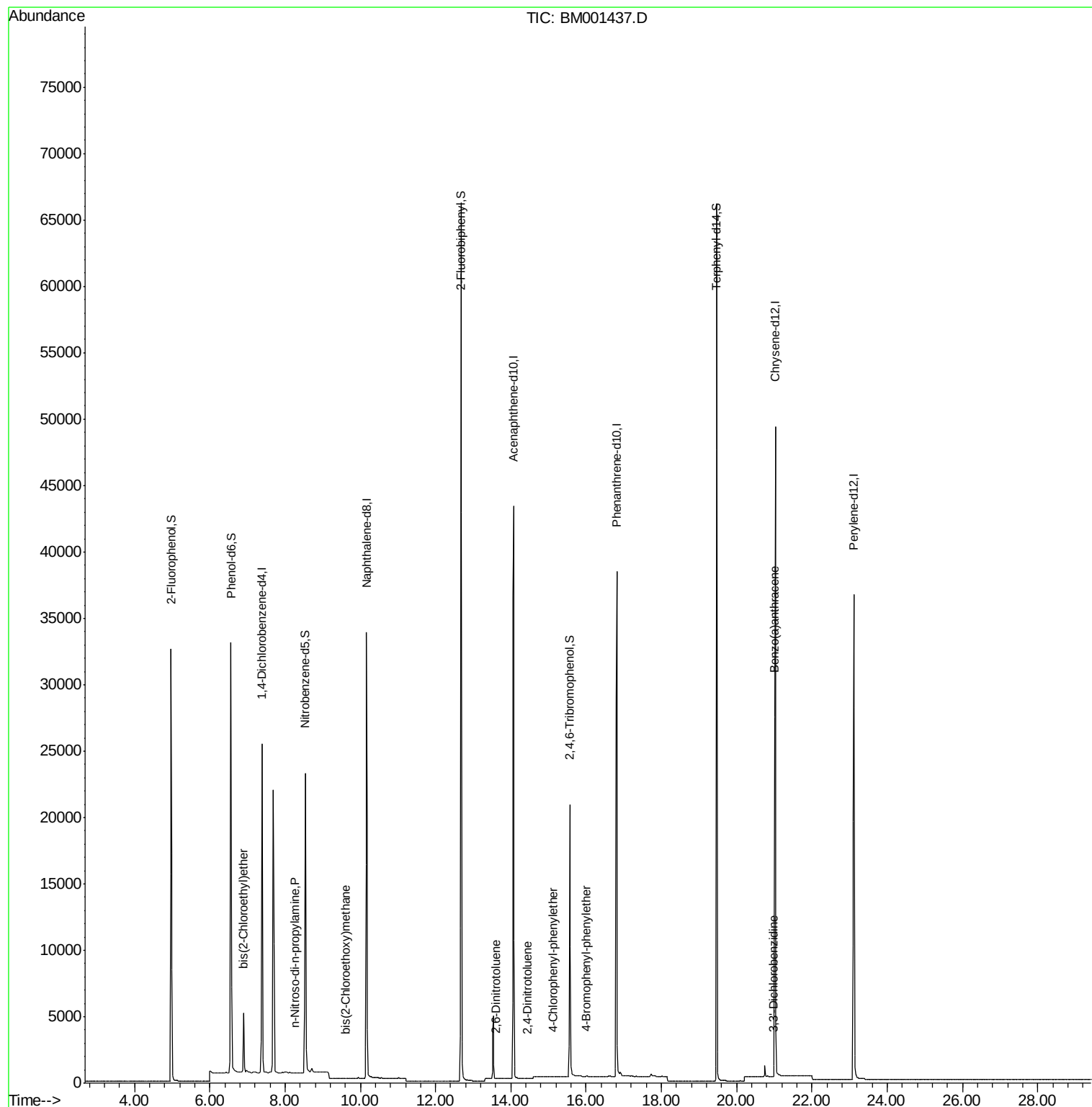
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.90	93	35	0.02	ng	# 1
5) n-Nitroso-di-n-propylamine	8.25	70	8	0.01	ng	# 68
8) bis(2-Chloroethoxy)methane	9.62	93	7	0.15	ng	# 1
12) 2,6-Dinitrotoluene	13.61	165	33	0.30	ng	# 48
13) 2,4-Dinitrotoluene	14.45	165	1	0.25	ng	# 81
14) 4-Chlorophenyl-phenylether	15.12	204	7	0.00	ng	# 7
16) 4-Bromophenyl-phenylether	16.01	248	4	0.00	ng	# 67
19) Benzo(a)anthracene	21.01	228	284	0.02	ng	# 62
20) 3,3'-Dichlorobenzidine	20.96	252	7	0.29	ng	# 53

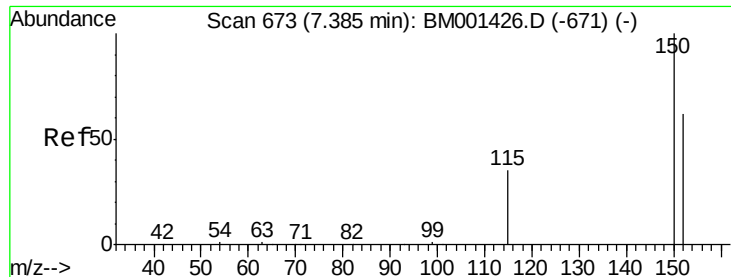
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001437.D

Acq: 28 May 2015 22:06

Instrument :

BNA_M

ClientSampleId :

KM-SP-001-150518

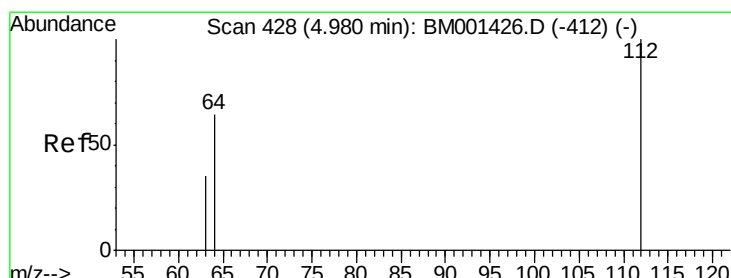
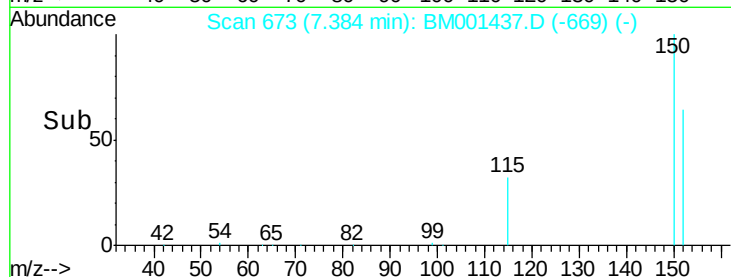
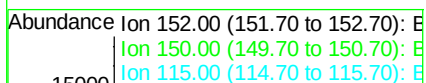
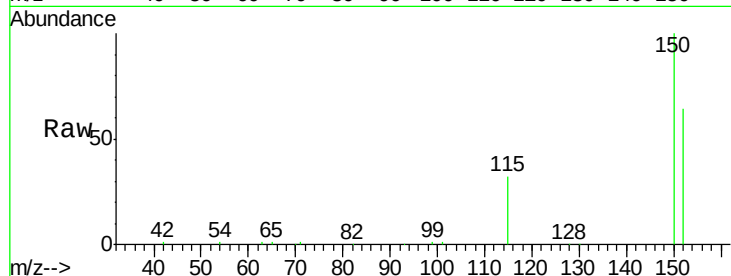
Tgt Ion:152 Resp: 13216

Ion Ratio Lower Upper

152 100

150 155.8 128.4 192.6

115 50.3 45.6 68.4



#2

2-Fluorophenol

Concen: 11.41 ng

RT: 4.97 min Scan# 427

Delta R.T. -0.01 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

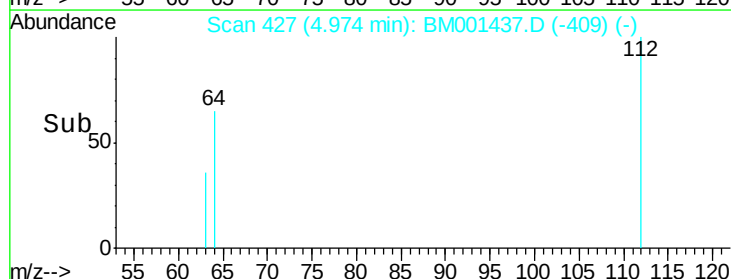
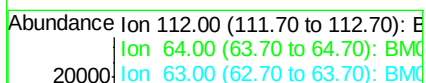
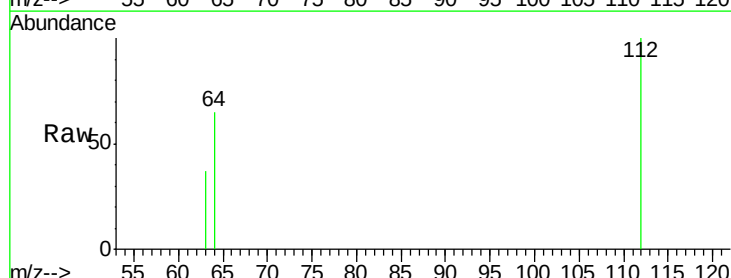
Tgt Ion:112 Resp: 23078

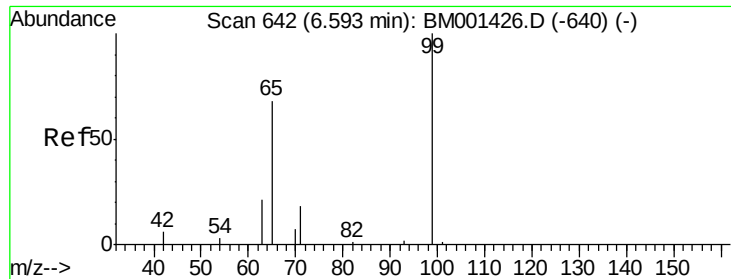
Ion Ratio Lower Upper

112 100

64 65.2 52.1 78.1

63 36.7 30.2 45.2





#3

Phenol-d6

Concen: 13.83 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.03 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

Instrument :

BNA_M

ClientSampleId :

KM-SP-001-150518

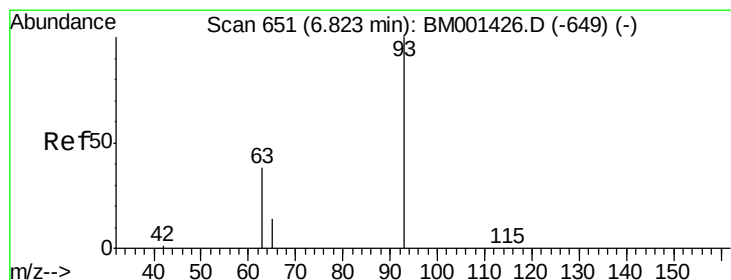
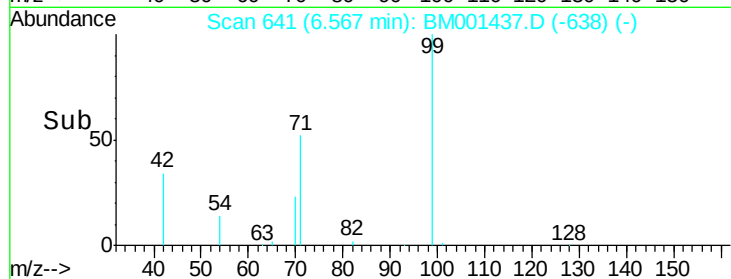
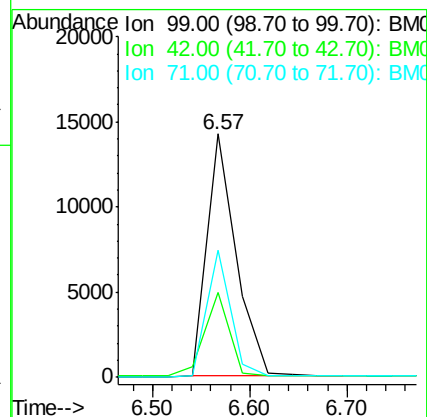
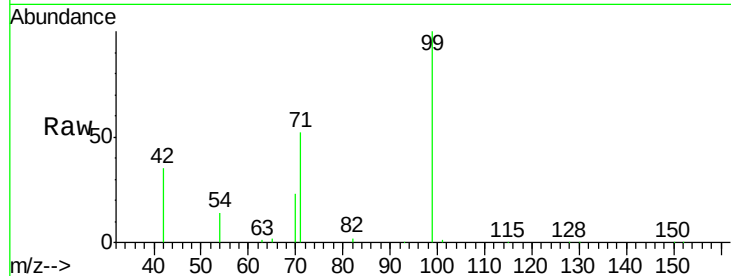
Tgt Ion: 99 Resp: 29547

Ion Ratio Lower Upper

99 100

42 34.7 13.7 20.5#

71 52.0 19.8 29.6#



#4

bis(2-Chloroethyl)ether

Concen: 0.02 ng

RT: 6.90 min Scan# 654

Delta R.T. 0.08 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

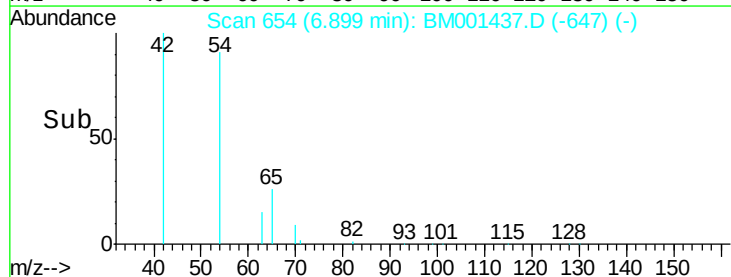
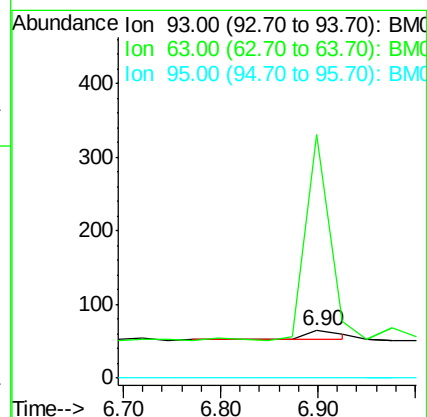
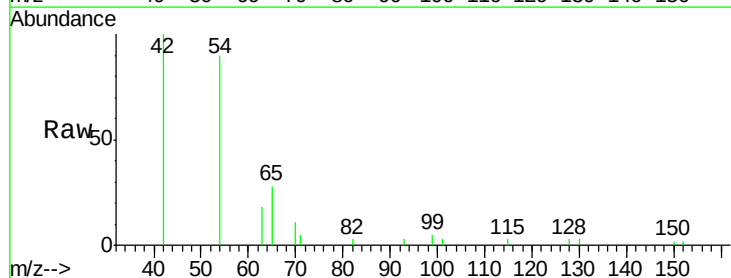
Tgt Ion: 93 Resp: 35

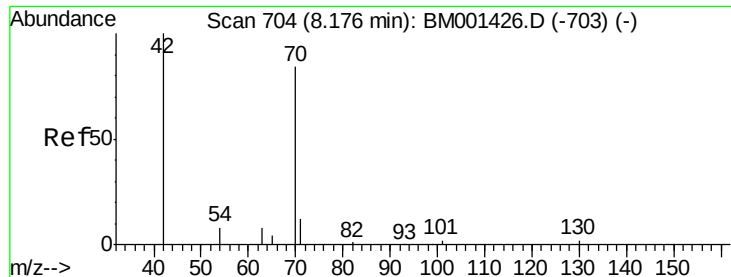
Ion Ratio Lower Upper

93 100

63 517.2 20.0 60.0#

95 0.0 0.0 20.0





#5

n-Nitroso-di-n-propylamine

Concen: 0.01 ng

RT: 8.25 min Scan# 707

Delta R.T. 0.08 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

Instrument :

BNA_M

ClientSampleId :

KM-SP-001-150518

Tgt Ion: 70 Resp: 8

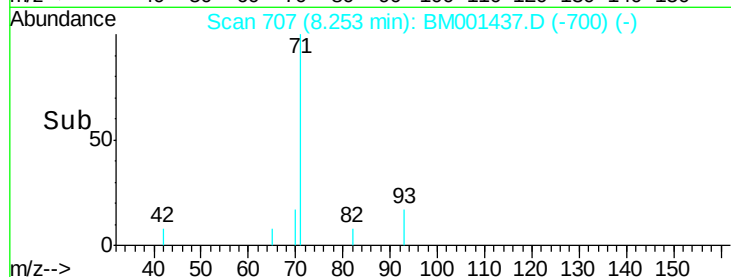
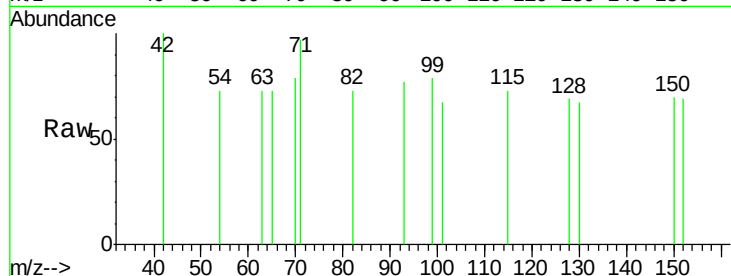
Ion Ratio Lower Upper

70 100

42 127.3 97.8 146.6

101 85.5 8.2 12.2#

130 85.5 7.5 11.3#

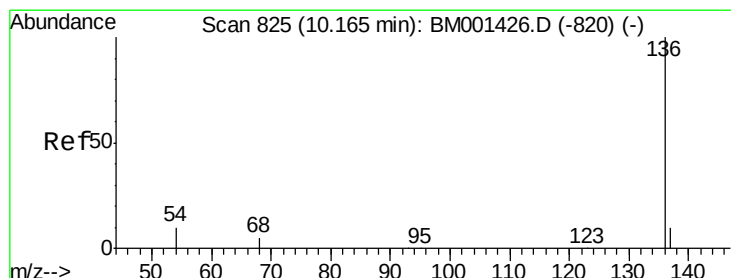
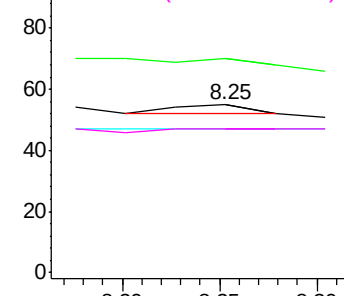


Abundance Ion 70.00 (69.70 to 70.70): BM0

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: BM001437.D

Acq: 28 May 2015 22:06

Tgt Ion: 136 Resp: 43283

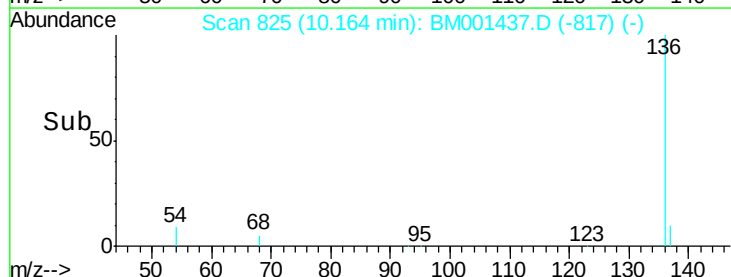
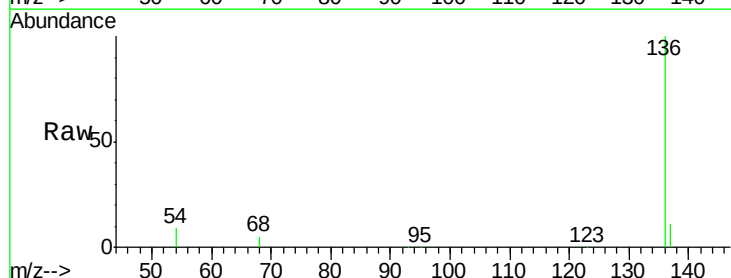
Ion Ratio Lower Upper

136 100

137 10.6 8.3 12.5

54 9.3 8.2 12.4

68 5.2 4.5 6.7

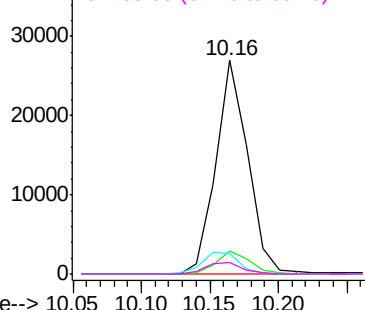


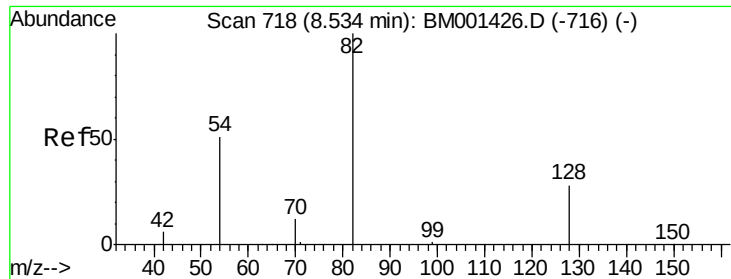
Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.83 ng

RT: 8.53 min Scan# 718

Delta R.T. -0.00 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

Instrument :

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ClientSampleId :

KM-SP-001-150518

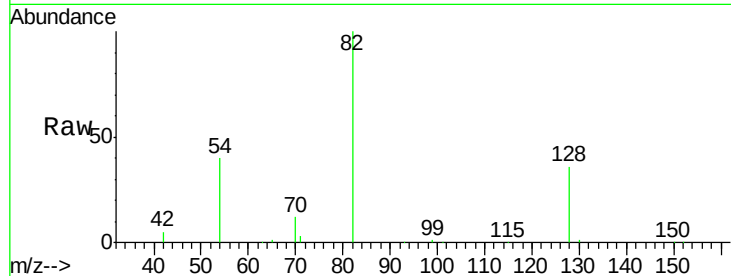
Tgt Ion: 82 Resp: 20400

Ion Ratio Lower Upper

82 100

128 36.1 24.4 36.6

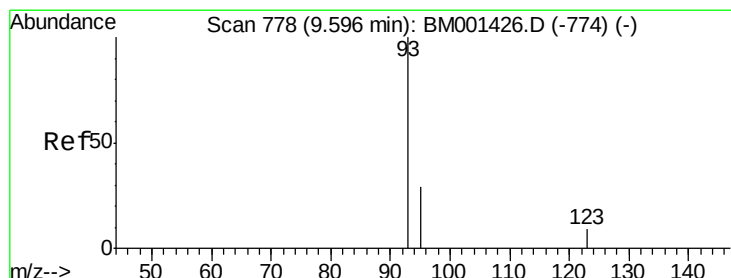
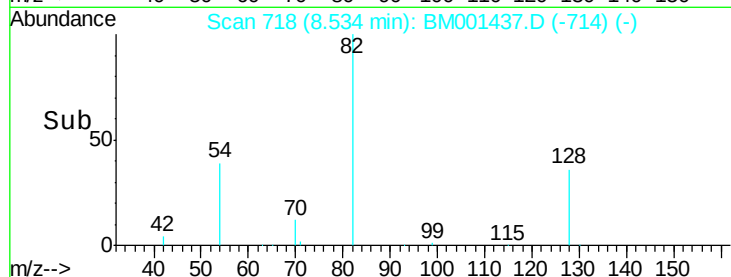
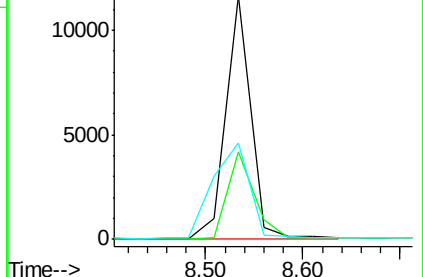
54 39.5 42.3 63.5#



Abundance Ion 82.00 (81.70 to 82.70): BM001437.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BM001437.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BM001437.D (-714) (-)



#8

bis(2-Chloroethoxy)methane

Concen: 0.15 ng

RT: 9.62 min Scan# 780

Delta R.T. 0.02 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

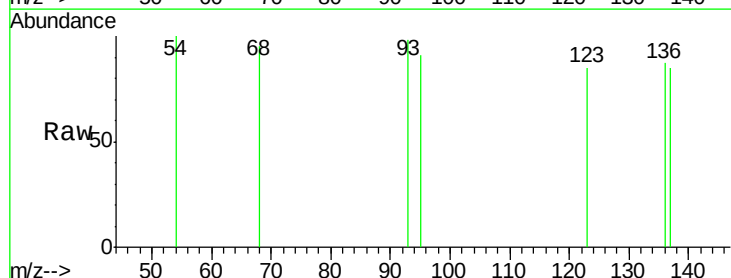
Tgt Ion: 93 Resp: 7

Ion Ratio Lower Upper

93 100

95 92.6 25.3 37.9#

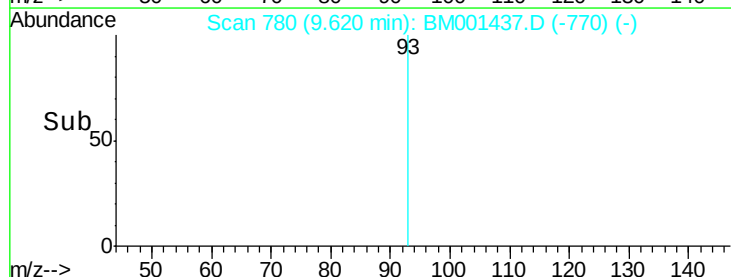
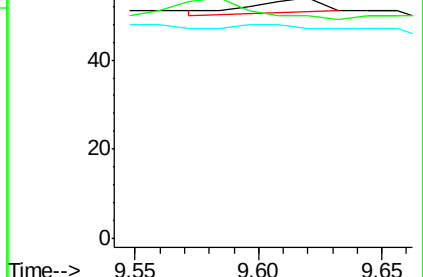
123 87.0 10.2 15.2#

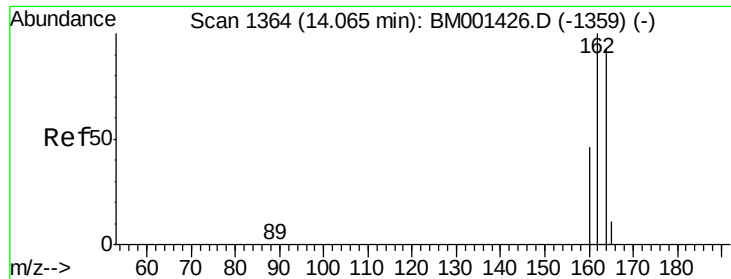


Abundance Ion 93.00 (92.70 to 93.70): BM001437.D (-770) (-)

Ion 95.00 (94.70 to 95.70): BM001437.D (-770) (-)

Ion 123.00 (122.70 to 123.70): BM001437.D (-770) (-)





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1365

Delta R.T. 0.01 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

Instrument :

BNA_M

ClientSampleId :

KM-SP-001-150518

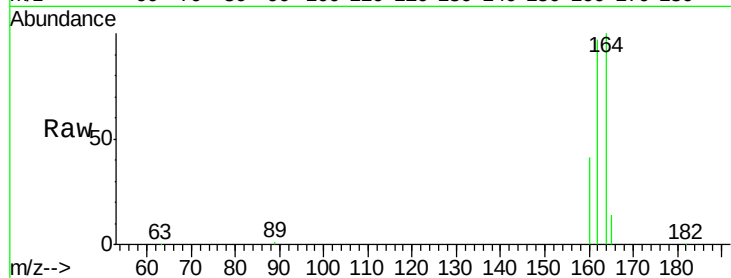
Tgt Ion:164 Resp: 26099

Ion Ratio Lower Upper

164 100

162 96.8 86.2 129.2

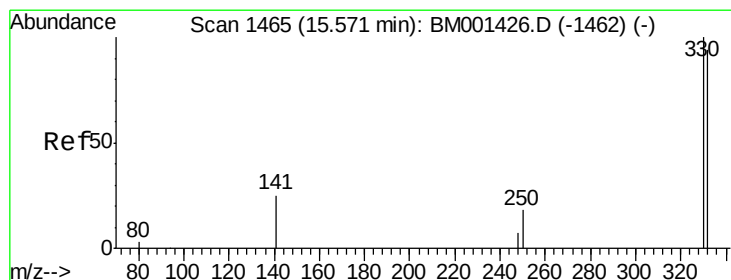
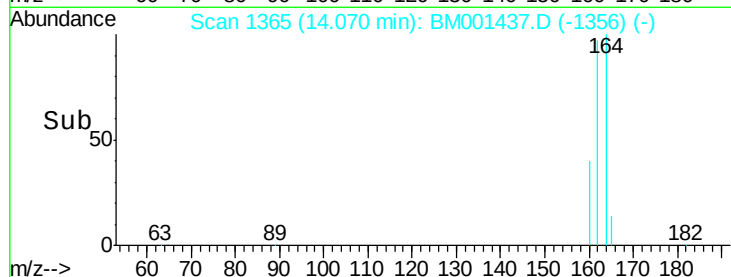
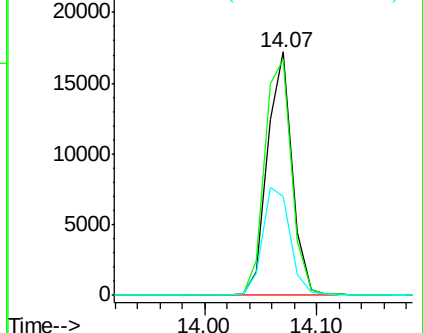
160 40.5 39.4 59.2



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: 11.77 ng

RT: 15.56 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

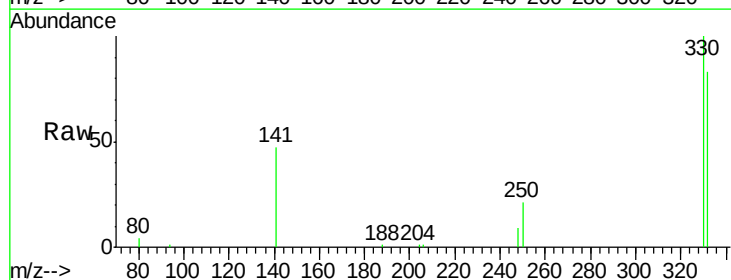
Tgt Ion:330 Resp: 12827

Ion Ratio Lower Upper

330 100

332 95.6 76.3 114.5

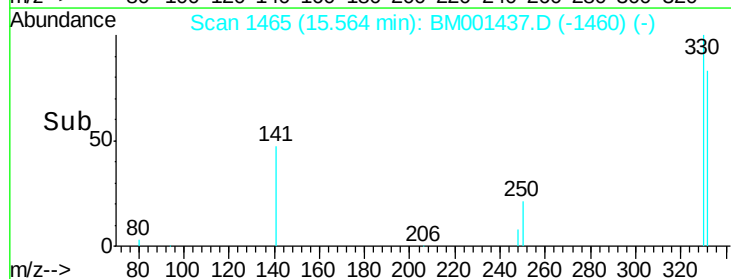
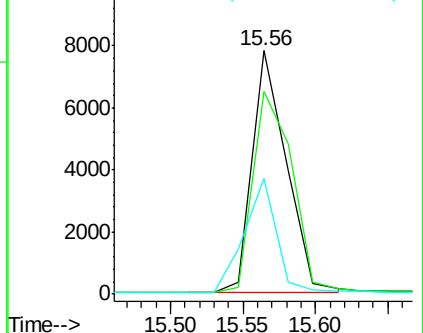
141 44.3 35.0 52.4

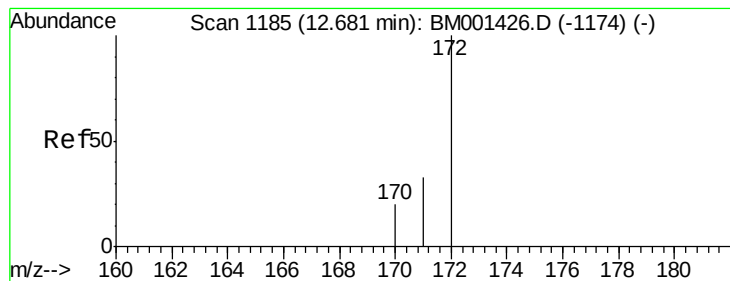


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#11

2-Fluorobiphenyl

Concen: 8.65 ng

RT: 12.68 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

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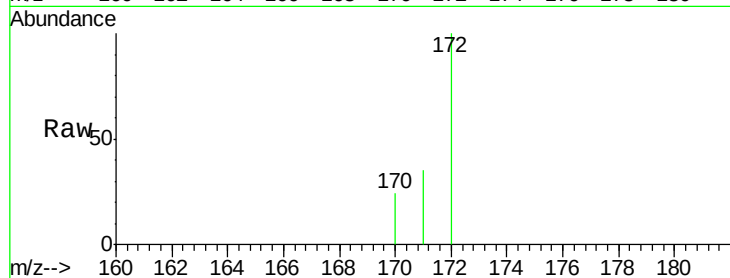
Tgt Ion:172 Resp: 62673

Ion Ratio Lower Upper

172 100

171 35.2 26.9 40.3

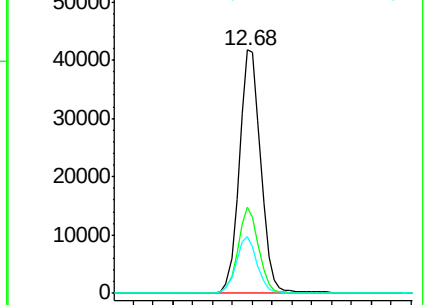
170 23.6 17.1 25.7



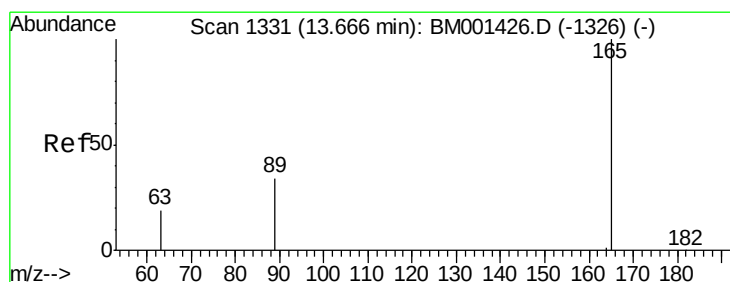
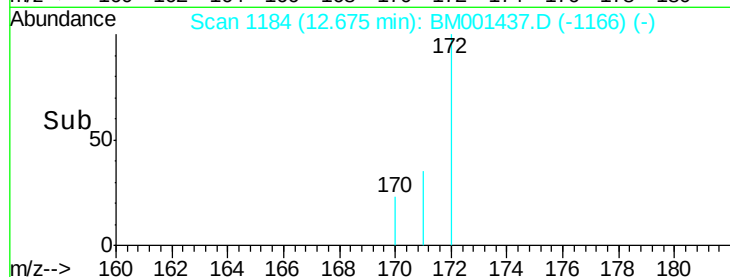
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#12

2,6-Dinitrotoluene

Concen: 0.30 ng

RT: 13.61 min Scan# 1327

Delta R.T. -0.05 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

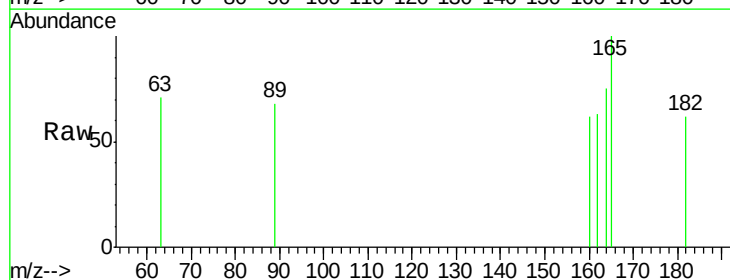
Tgt Ion:165 Resp: 33

Ion Ratio Lower Upper

165 100

63 71.1 29.1 43.7#

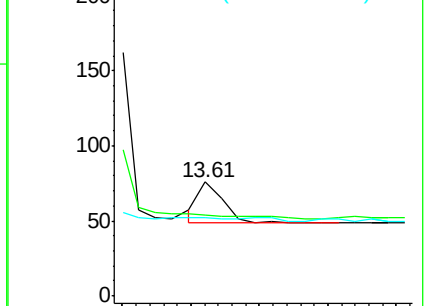
89 68.4 32.1 48.1#



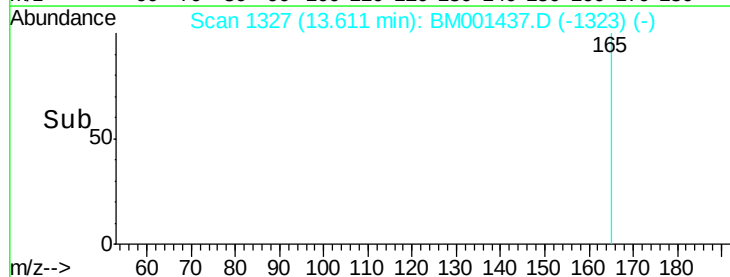
Abundance Ion 165.00 (164.70 to 165.70): E

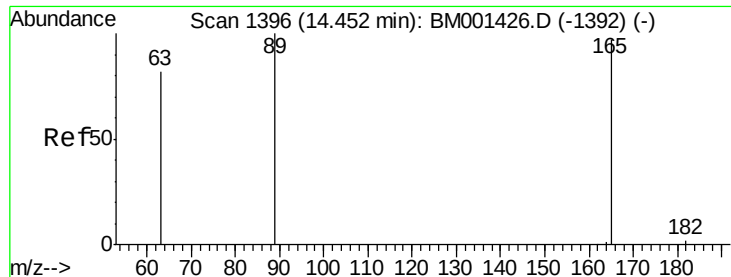
Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0



Time-->

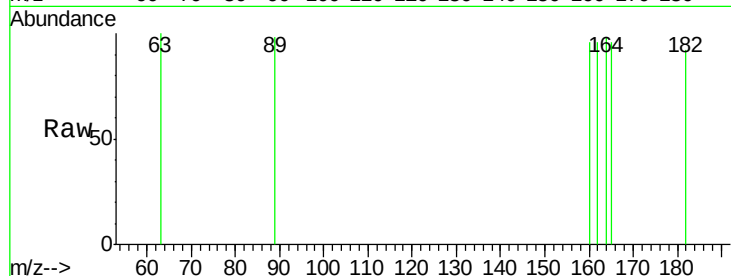




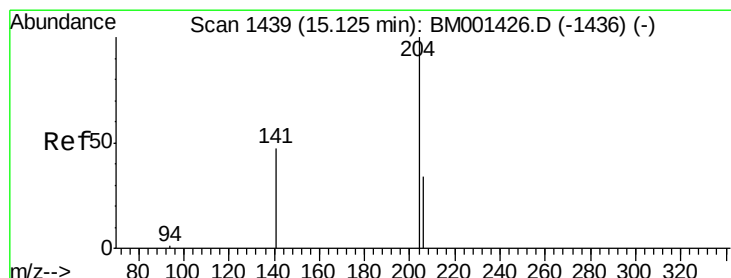
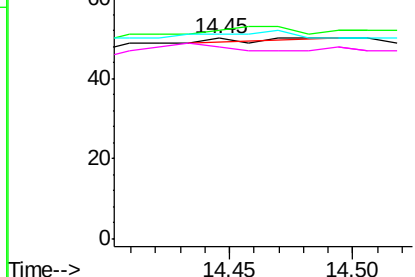
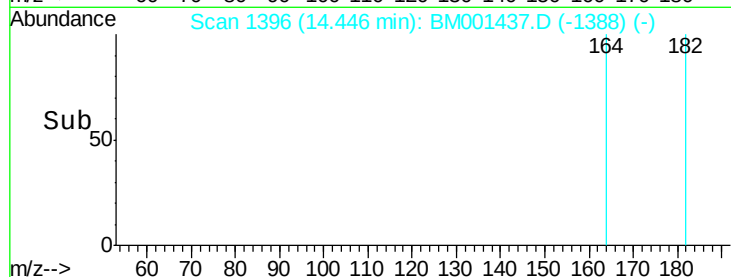
#13
 2,4-Dinitrotoluene
 Concen: 0.25 ng
 RT: 14.45 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BM001437.D
 Acq: 28 May 2015 22:06

Instrument :
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Tgt Ion:165 Resp: 1
 Ion Ratio Lower Upper
 165 100
 63 104.0 70.6 105.8
 89 102.0 82.4 123.6
 182 96.0 7.5 11.3#

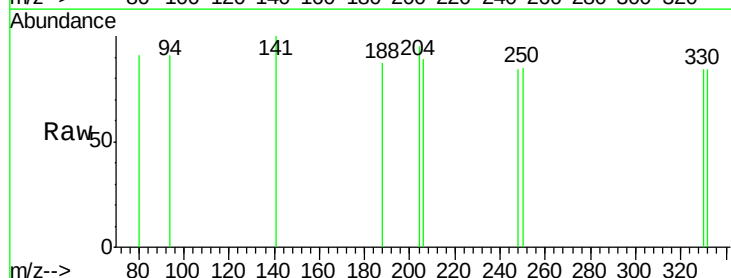


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BM
 Ion 89.00 (88.70 to 89.70): BM
 Ion 182.00 (181.70 to 182.70): E

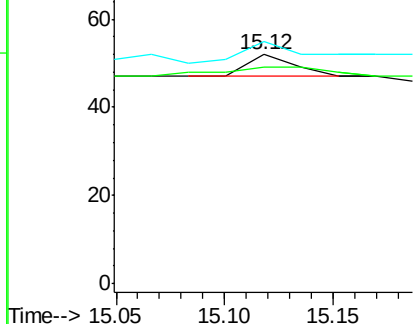
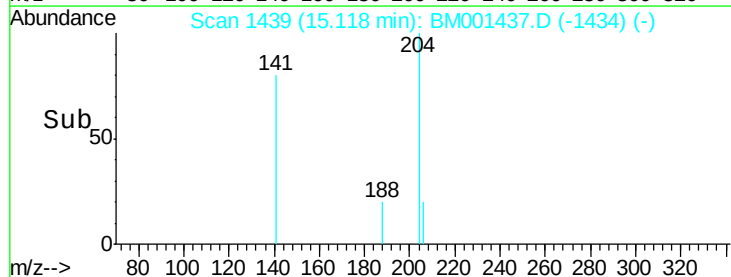


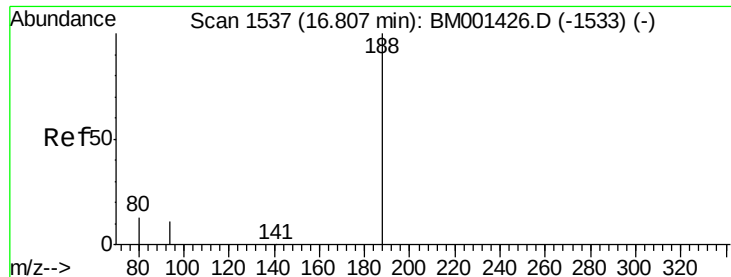
#14
 4-Chlorophenyl-phenylether
 Concen: 0.00 ng
 RT: 15.12 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BM001437.D
 Acq: 28 May 2015 22:06

Tgt Ion:204 Resp: 7
 Ion Ratio Lower Upper
 204 100
 206 94.2 27.8 41.8#
 141 105.8 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





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.82 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

Instrument :

BNA_M

ClientSampleId :

KM-SP-001-150518

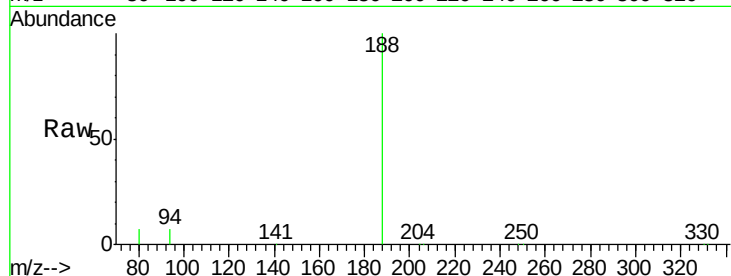
Tgt Ion:188 Resp: 59600

Ion Ratio Lower Upper

188 100

94 7.1 9.0 13.4#

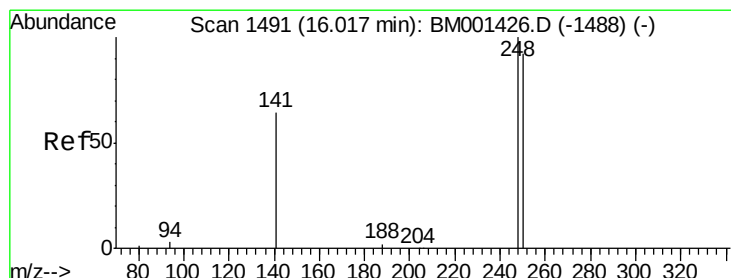
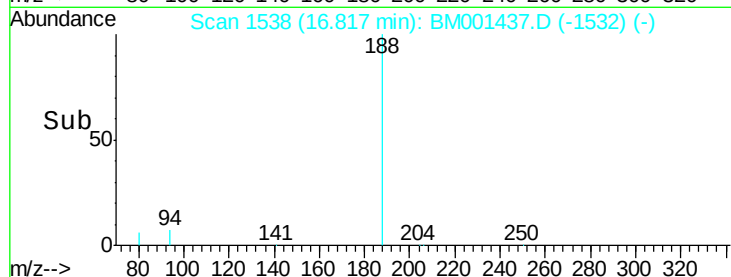
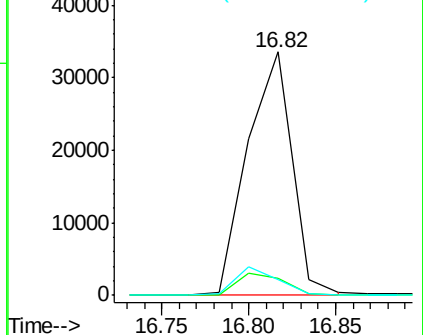
80 6.7 10.6 15.8#



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: 0.00 ng

RT: 16.01 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

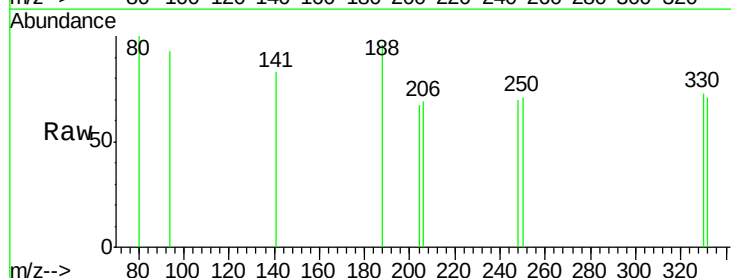
Tgt Ion:248 Resp: 4

Ion Ratio Lower Upper

248 100

250 102.0 74.1 111.1

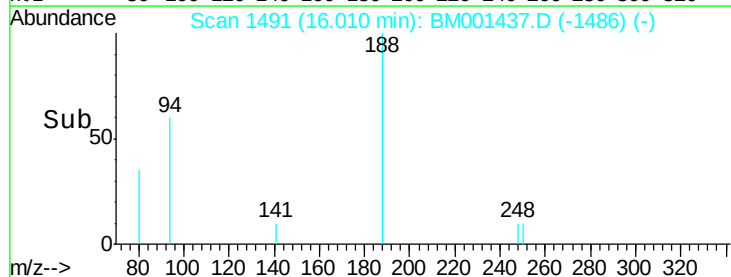
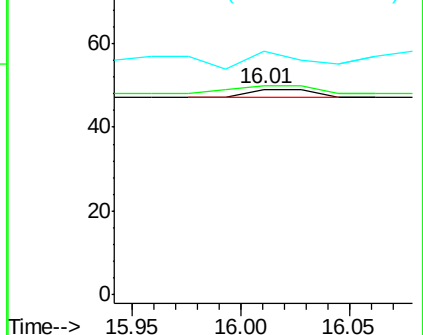
141 118.4 52.4 78.6#

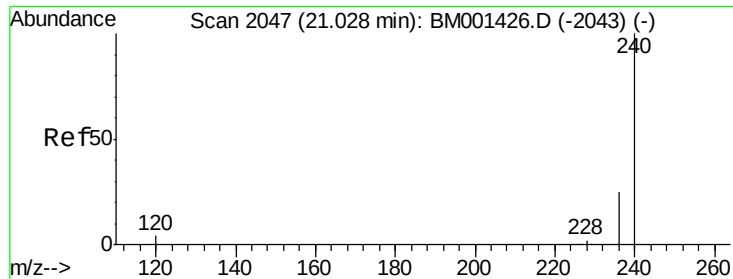


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

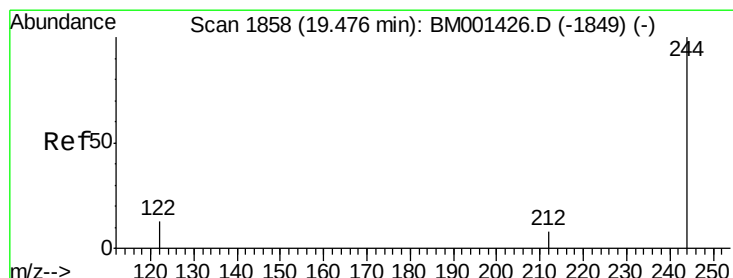
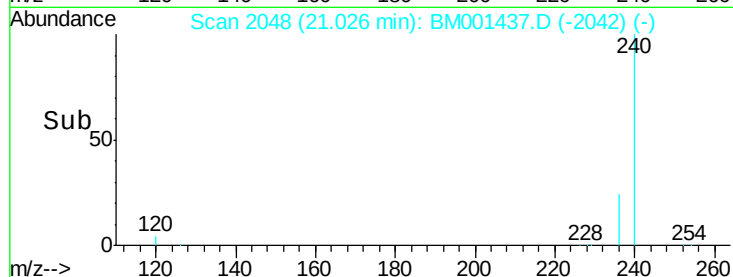
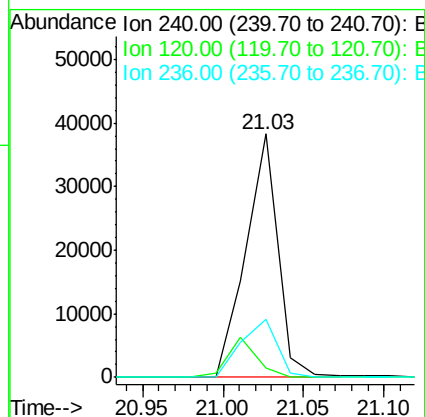
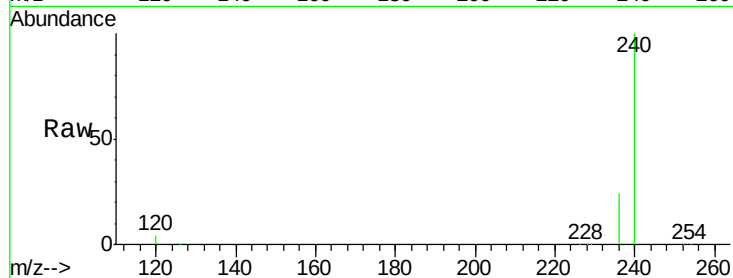




#17
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.03 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: BM001437.D
 Acq: 28 May 2015 22:06

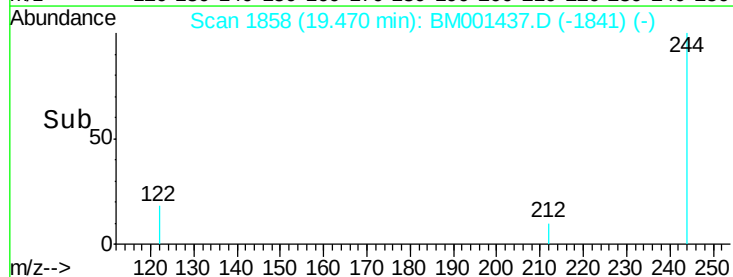
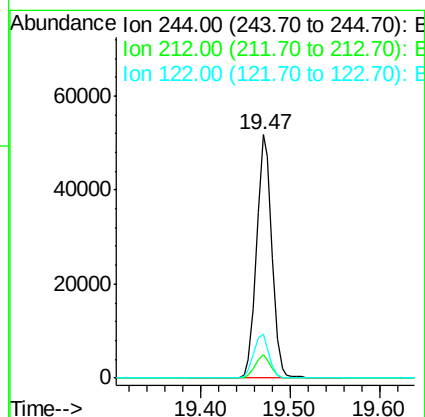
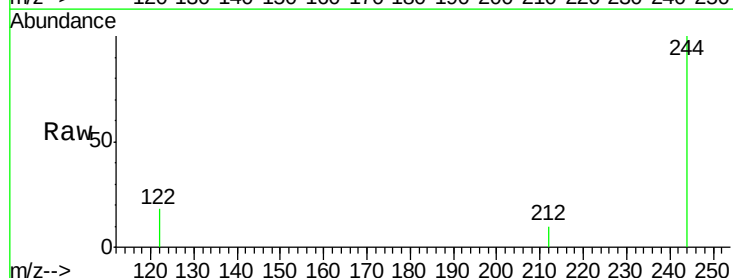
Instrument :
 BNA_M
 ClientSampleId :
 KM-SP-001-150518

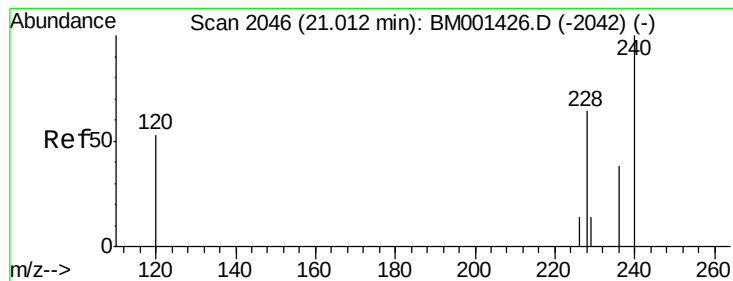
Tgt Ion:240 Resp: 52992
 Ion Ratio Lower Upper
 240 100
 120 3.9 3.2 4.8
 236 24.0 19.8 29.6



#18
 Terphenyl-d14
 Concen: 9.36 ng
 RT: 19.47 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: BM001437.D
 Acq: 28 May 2015 22:06

Tgt Ion:244 Resp: 61666
 Ion Ratio Lower Upper
 244 100
 212 9.9 7.4 11.2
 122 18.0 11.4 17.0#





#19

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.01 min Scan# 2047

Delta R.T. -0.00 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

Instrument :

BNA_M

ClientSampleId :

KM-SP-001-150518

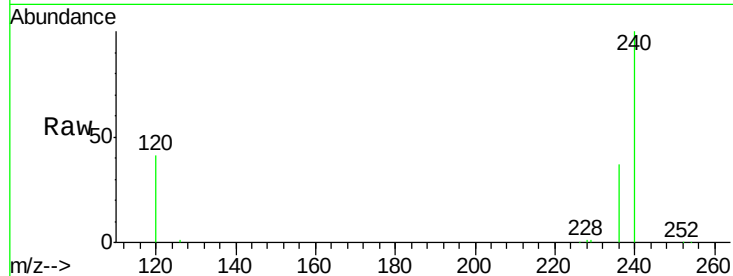
Tgt Ion:228 Resp: 284

Ion Ratio Lower Upper

228 100

226 37.4 18.2 27.2#

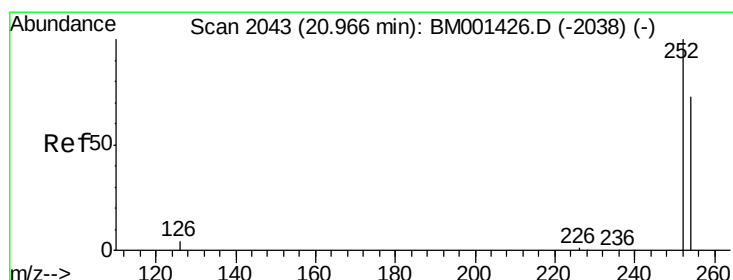
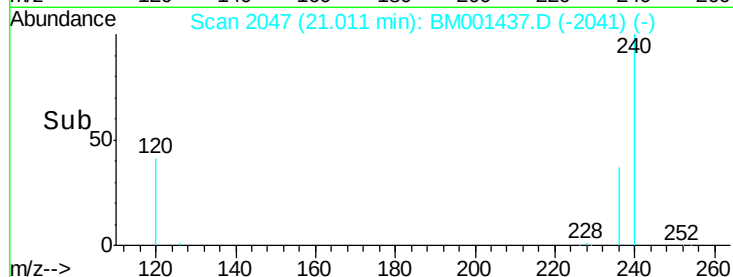
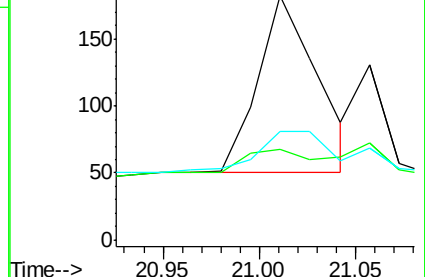
229 44.5 17.8 26.8#



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: 0.29 ng

RT: 20.96 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BM001437.D

Acq: 28 May 2015 22:06

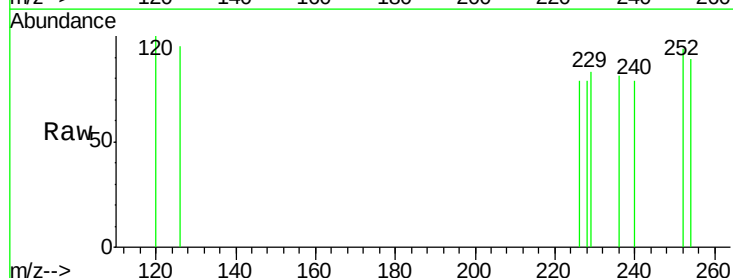
Tgt Ion:252 Resp: 7

Ion Ratio Lower Upper

252 100

254 94.9 59.0 88.6#

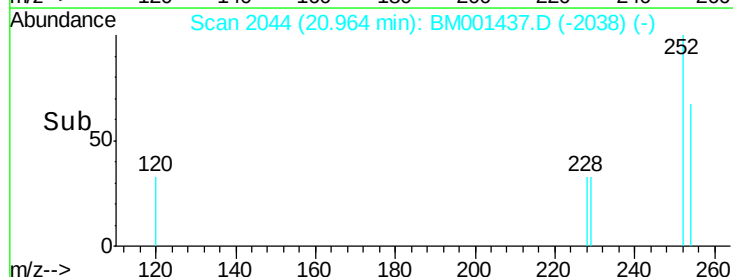
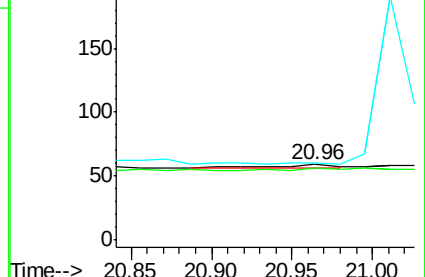
126 101.7 5.9 8.9#

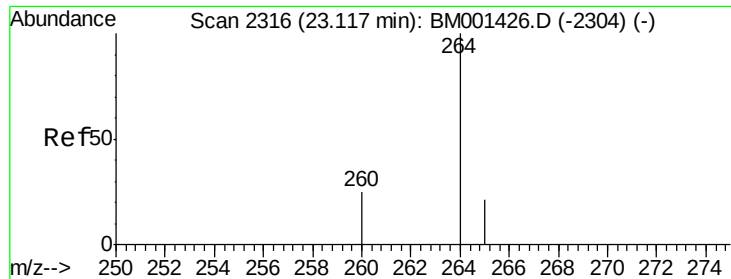


Abundance Ion 252.00 (251.70 to 252.70): E

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# 2316
Delta R.T. -0.01 min
Lab File: BM001437.D
Acq: 28 May 2015 22:06

Instrument :
BNA_M
ClientSampleId :
KM-SP-001-150518

Tgt Ion: 264 Resp: 44812
Ion Ratio Lower Upper
264 100
260 26.0 20.1 30.1
265 20.8 17.3 25.9

