

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052815\
 Data File : BM001439.D
 Acq On : 28 May 2015 23:18
 Operator : TP/IZ
 Sample : G2406-02MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 KM-SP-002-150518MS

Quant Time: May 29 04:13:03 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	11864	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	42041	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	26060	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	61224	5.00	ng	0.00
17) Chrysene-d12	21.03	240	53619	5.00	ng	0.00
21) Perylene-d12	23.11	264	46099	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	20793	11.45	ng	0.00
3) Phenol-d6	6.57	99	28255	14.74	ng	-0.03
7) Nitrobenzene-d5	8.53	82	20521	9.15	ng	0.00
10) 2,4,6-Tribromophenol	15.58	330	13740	12.61	ng	0.00
11) 2-Fluorobiphenyl	12.68	172	58343	8.07	ng	0.00
18) Terphenyl-d14	19.47	244	56550	8.49	ng	0.00

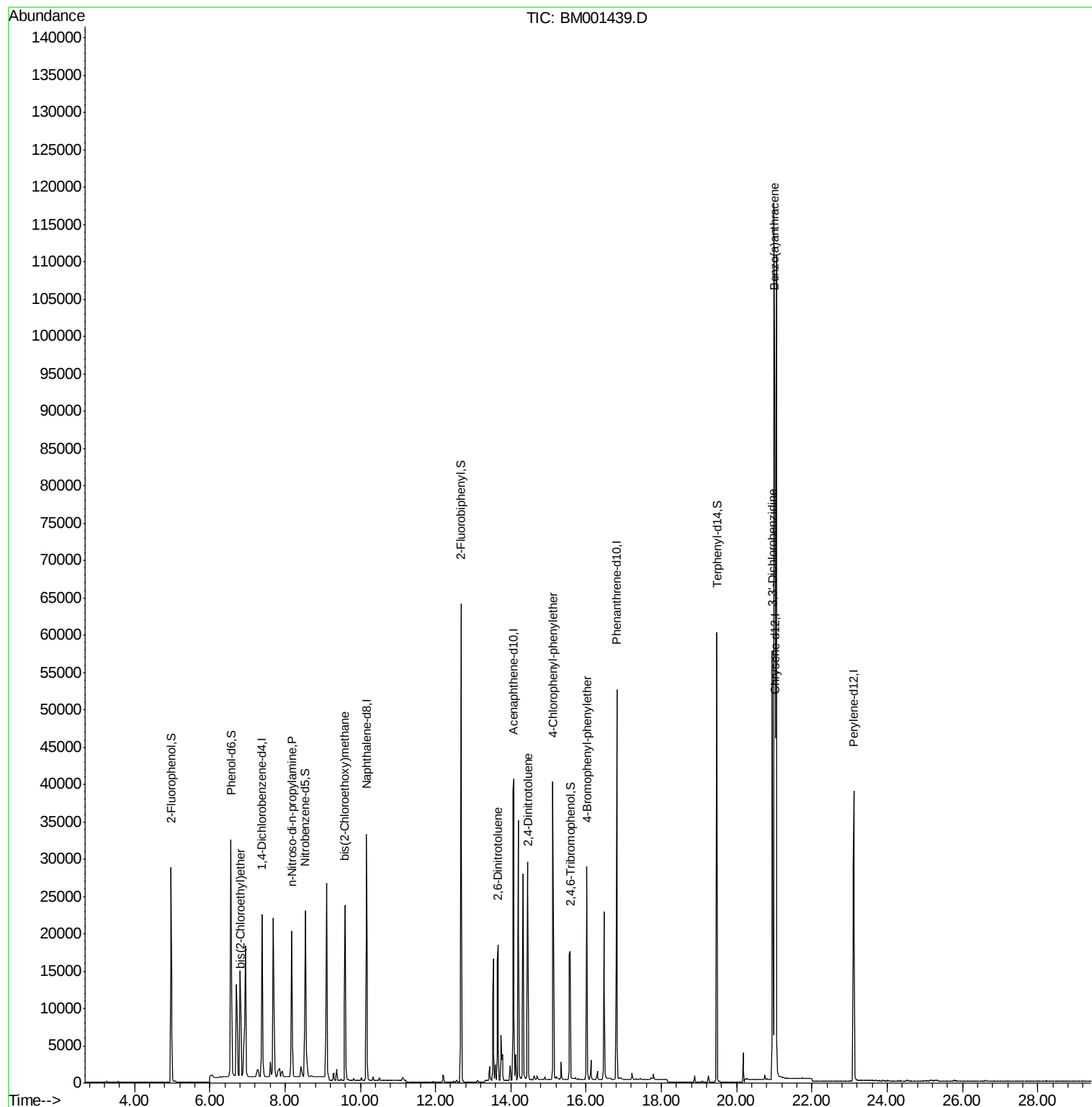
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.82	93	14707	7.41	ng	75
5) n-Nitroso-di-n-propylamine	8.18	70	14418	11.05	ng	# 74
8) bis(2-Chloroethoxy)methane	9.60	93	24205	8.39	ng	98
12) 2,6-Dinitrotoluene	13.66	165	13253	8.18	ng	95
13) 2,4-Dinitrotoluene	14.46	165	19214	10.11	ng	# 49
14) 4-Chlorophenyl-phenylether	15.11	204	32977	8.22	ng	# 74
16) 4-Bromophenyl-phenylether	16.02	248	19919	8.26	ng	# 69
19) Benzo(a)anthracene	21.00	228	112640	8.42	ng	# 87
20) 3,3'-Dichlorobenzidine	20.95	252	44098	9.64	ng	# 81

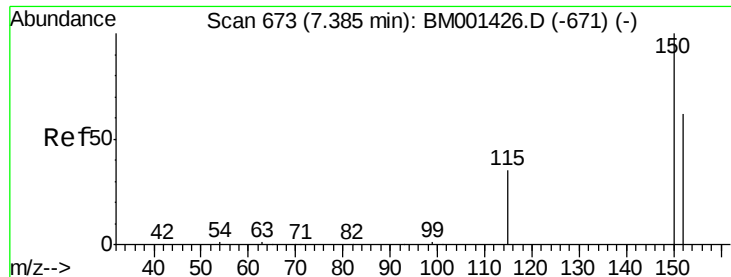
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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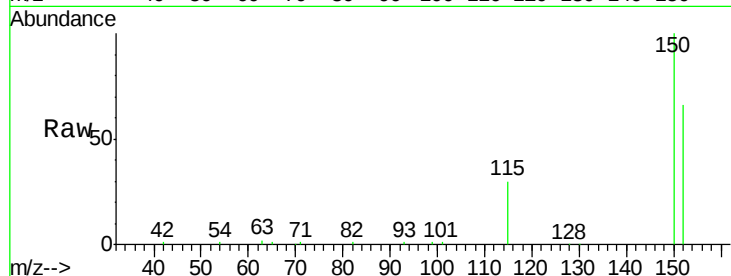


#1

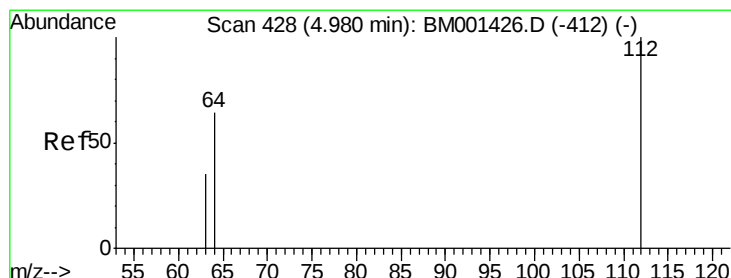
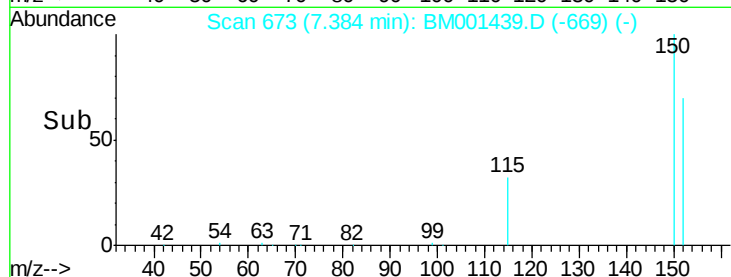
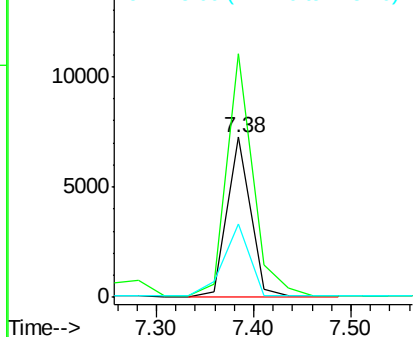
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.38 min Scan# 673
Delta R.T. -0.00 min
Lab File: BM001439.D
Acq: 28 May 2015 23:18

Instrument :
BNA_M
ClientSampleId :
KM-SP-002-150518MS

Tgt Ion:152 Resp: 11864
Ion Ratio Lower Upper
152 100
150 152.1 128.4 192.6
115 45.7 45.6 68.4



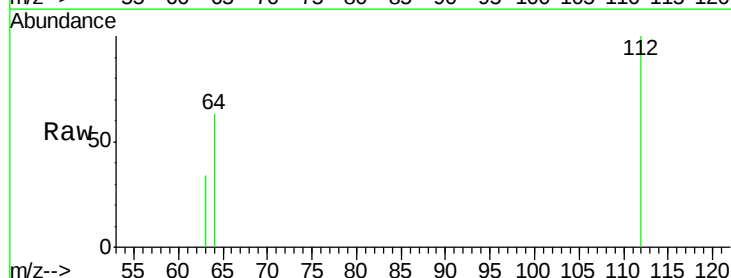
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



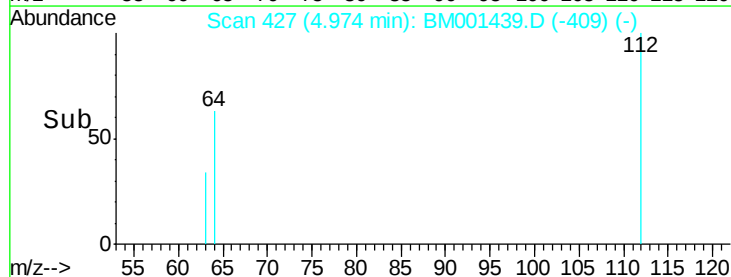
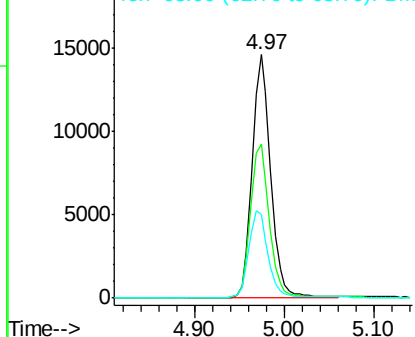
#2

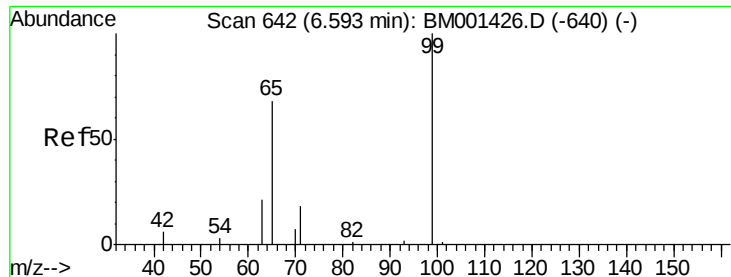
2-Fluorophenol
Concen: 11.45 ng
RT: 4.97 min Scan# 427
Delta R.T. -0.01 min
Lab File: BM001439.D
Acq: 28 May 2015 23:18

Tgt Ion:112 Resp: 20793
Ion Ratio Lower Upper
112 100
64 63.5 52.1 78.1
63 34.4 30.2 45.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM
Ion 63.00 (62.70 to 63.70): BM





#3

Phenol-d6

Concen: 14.74 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.03 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

Instrument :

BNA_M

ClientSampleId :

KM-SP-002-150518MS

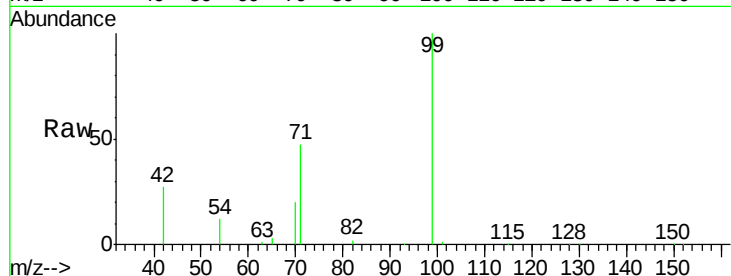
Tgt Ion: 99 Resp: 28255

Ion Ratio Lower Upper

99 100

42 26.8 13.7 20.5#

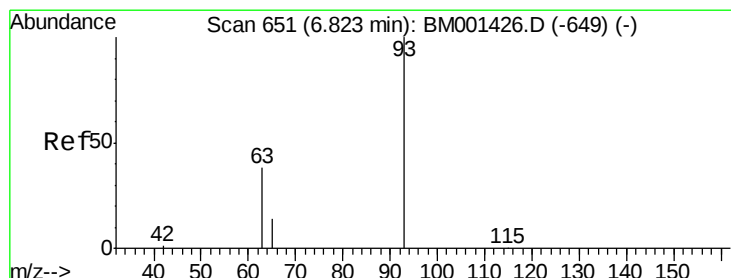
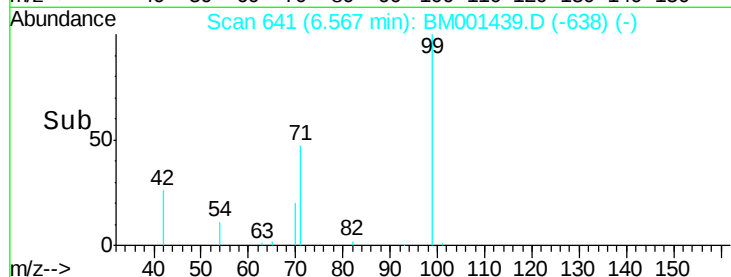
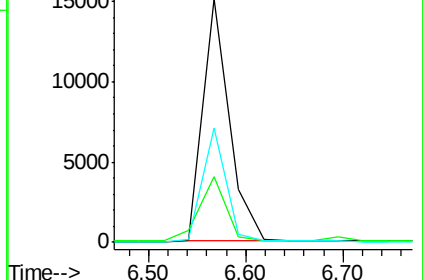
71 47.2 19.8 29.6#



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) (-)



#4

bis(2-Chloroethyl)ether

Concen: 7.41 ng

RT: 6.82 min Scan# 651

Delta R.T. -0.00 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

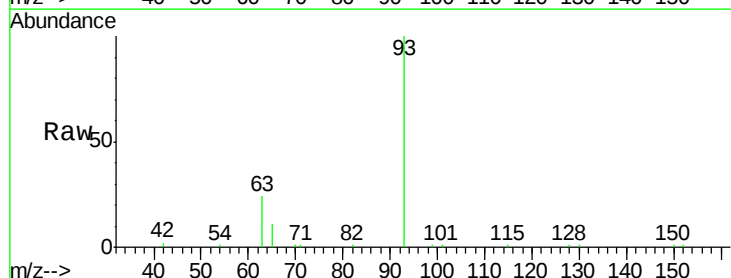
Tgt Ion: 93 Resp: 14707

Ion Ratio Lower Upper

93 100

63 24.4 20.0 60.0

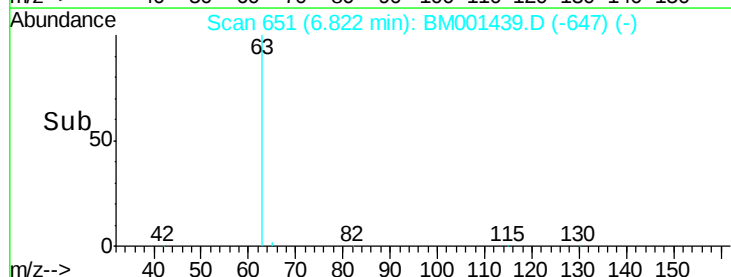
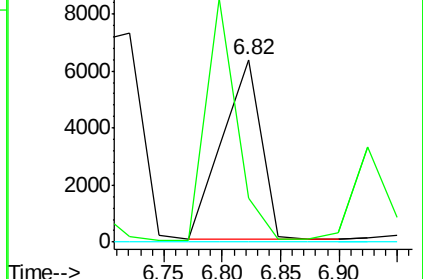
95 0.0 0.0 20.0

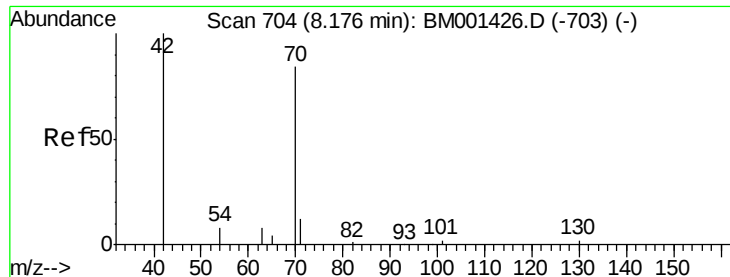


Abundance Ion 93.00 (92.70 to 93.70): BM001426.D (-649) (-)

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

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





#5

n-Nitroso-di-n-propylamine

Concen: 11.05 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

Instrument :

BNA_M

ClientSampleId :

KM-SP-002-150518MS

Tgt Ion: 70 Resp: 14418

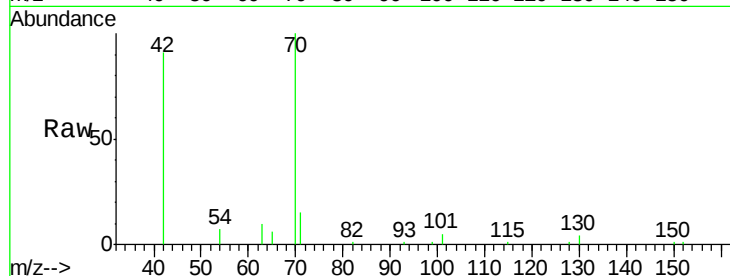
Ion Ratio Lower Upper

70 100

42 91.1 97.8 146.6#

101 4.8 8.2 12.2#

130 4.4 7.5 11.3#

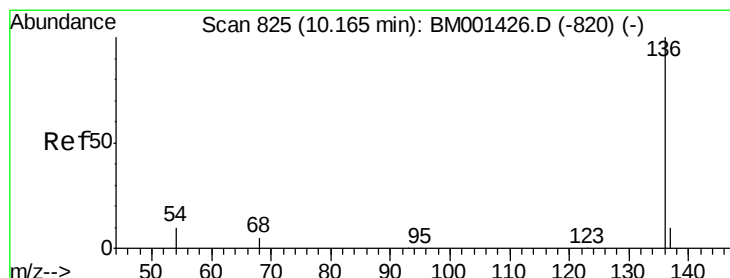
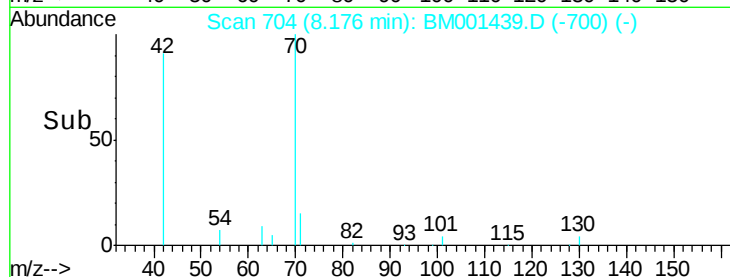
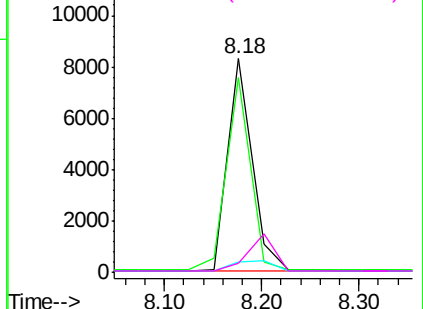


Abundance Ion 70.00 (69.70 to 70.70): BM0

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: BM001439.D

Acq: 28 May 2015 23:18

Tgt Ion: 136 Resp: 42041

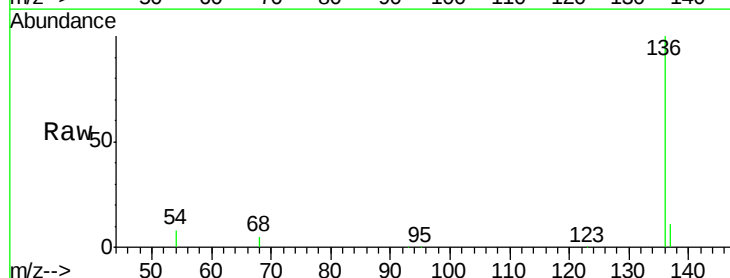
Ion Ratio Lower Upper

136 100

137 10.9 8.3 12.5

54 8.1 8.2 12.4#

68 4.8 4.5 6.7

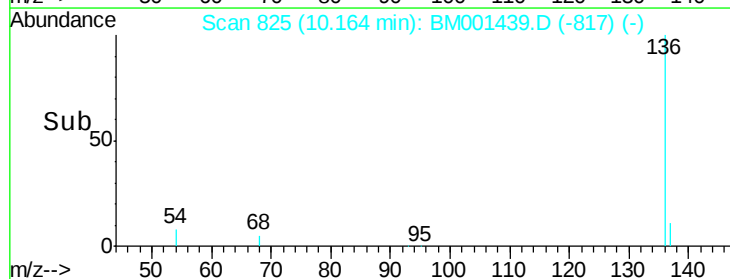
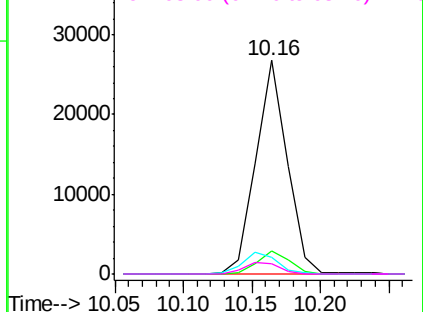


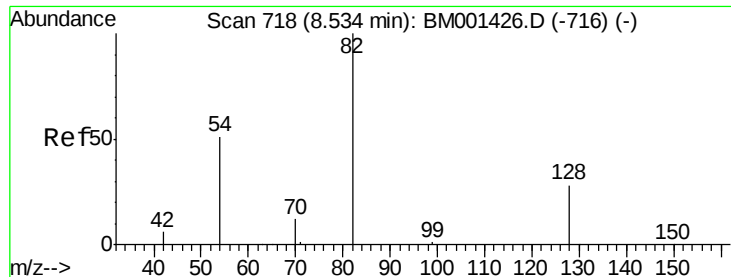
Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.15 ng

RT: 8.53 min Scan# 718

Delta R.T. -0.00 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

Instrument :

BNA_M

ClientSampleId :

KM-SP-002-150518MS

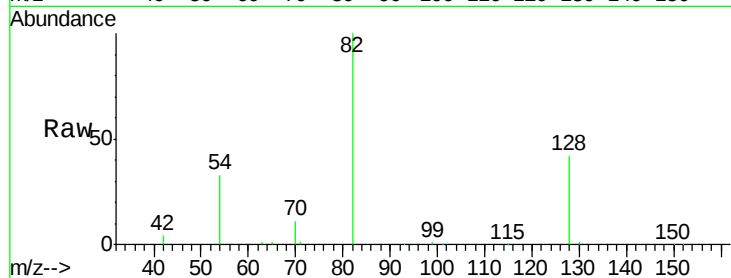
Tgt Ion: 82 Resp: 20521

Ion Ratio Lower Upper

82 100

128 42.4 24.4 36.6#

54 32.8 42.3 63.5#

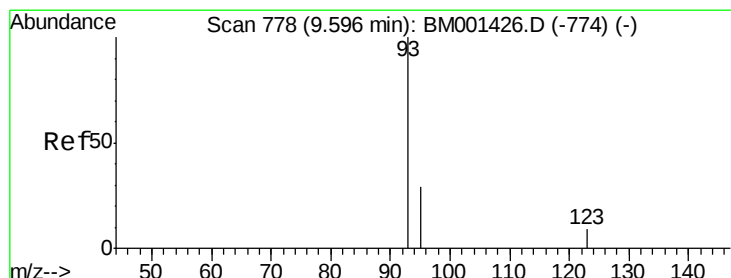
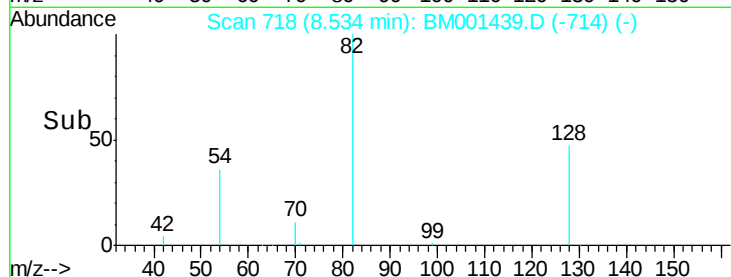


Abundance Ion 82.00 (81.70 to 82.70): BM001426.D (-716) (-)

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

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

Time-->



#8

bis(2-Chloroethoxy)methane

Concen: 8.39 ng

RT: 9.60 min Scan# 778

Delta R.T. -0.00 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

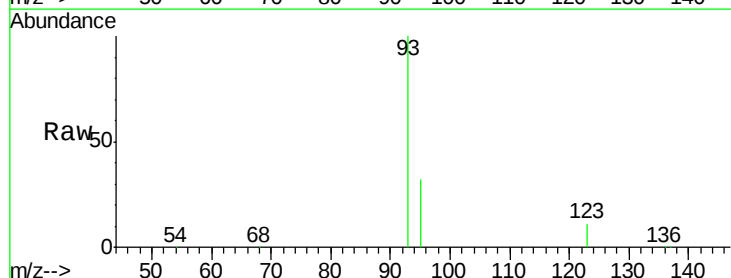
Tgt Ion: 93 Resp: 24205

Ion Ratio Lower Upper

93 100

95 32.3 25.3 37.9

123 11.2 10.2 15.2

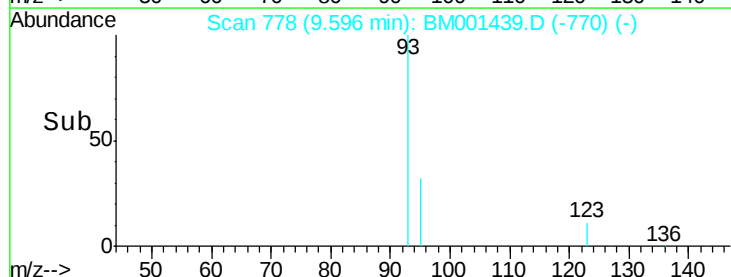


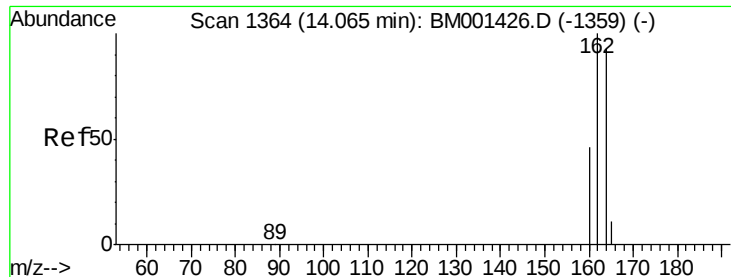
Abundance Ion 93.00 (92.70 to 93.70): BM001426.D (-774) (-)

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

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

Time-->





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1365

Delta R.T. 0.01 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

Instrument :

BNA_M

ClientSampleId :

KM-SP-002-150518MS

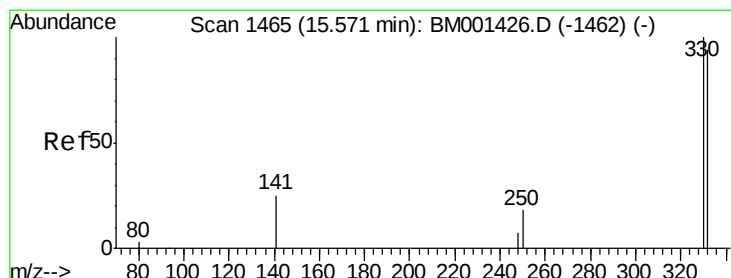
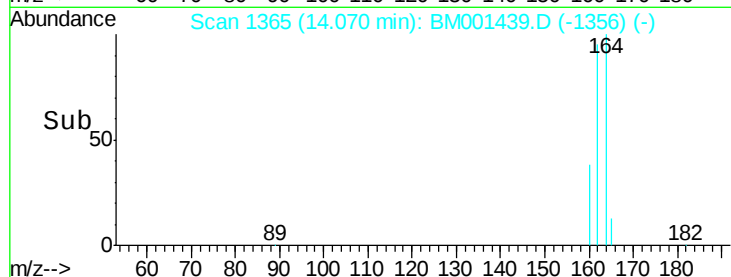
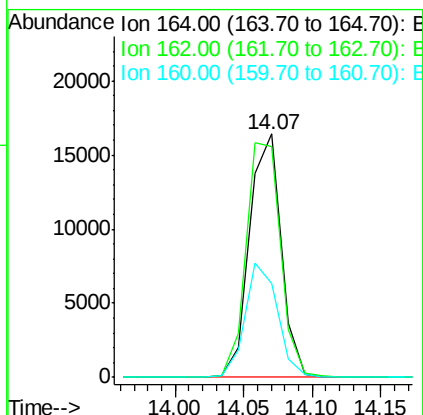
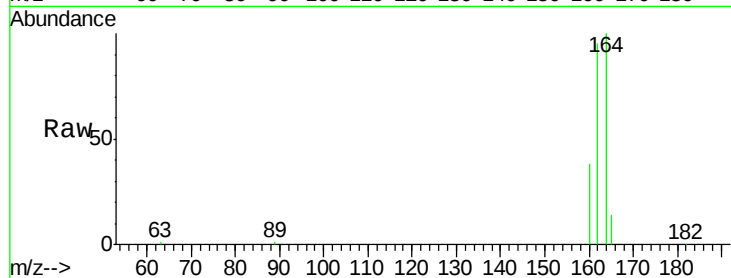
Tgt Ion:164 Resp: 26060

Ion Ratio Lower Upper

164 100

162 94.6 86.2 129.2

160 38.3 39.4 59.2#



#10

2,4,6-Tribromophenol

Concen: 12.61 ng

RT: 15.58 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

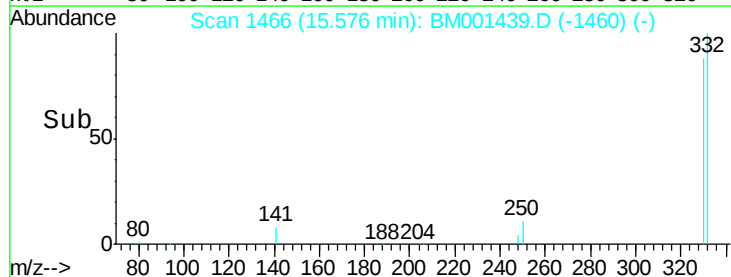
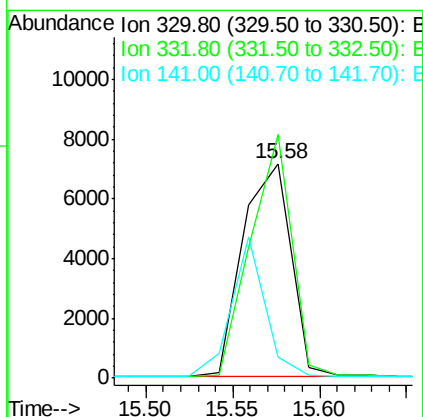
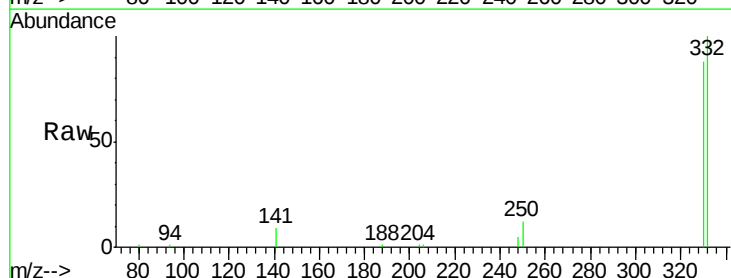
Tgt Ion:330 Resp: 13740

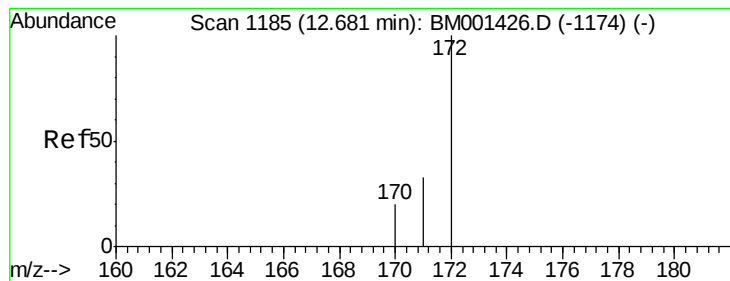
Ion Ratio Lower Upper

330 100

332 97.3 76.3 114.5

141 46.1 35.0 52.4





#11

2-Fluorobiphenyl

Concen: 8.07 ng

RT: 12.68 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

Instrument :

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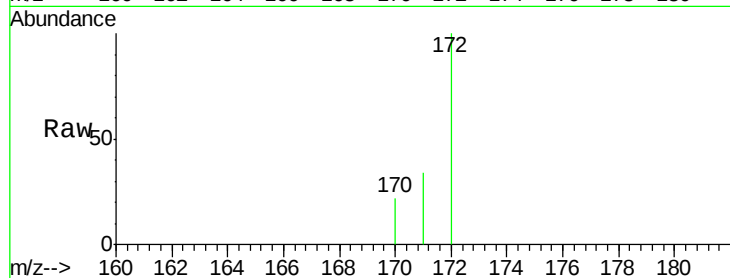
Tgt Ion:172 Resp: 58343

Ion Ratio Lower Upper

172 100

171 34.2 26.9 40.3

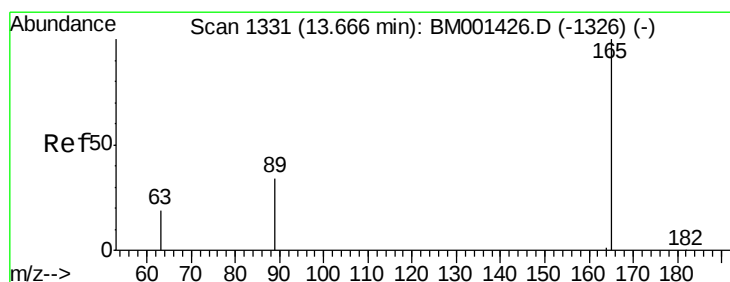
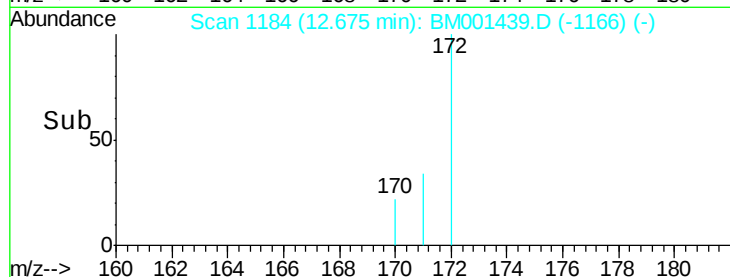
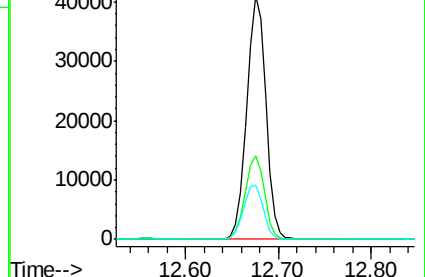
170 22.3 17.1 25.7



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: 8.18 ng

RT: 13.66 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

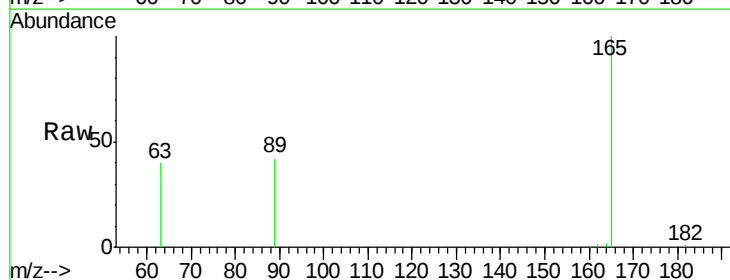
Tgt Ion:165 Resp: 13253

Ion Ratio Lower Upper

165 100

63 40.1 29.1 43.7

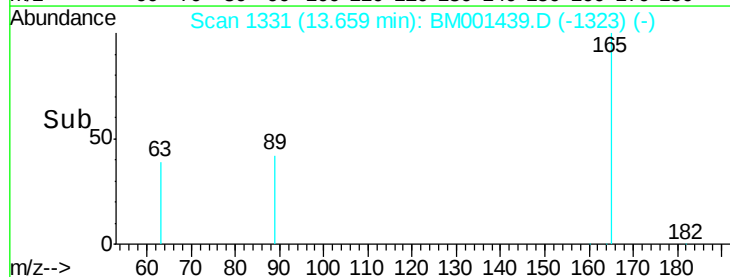
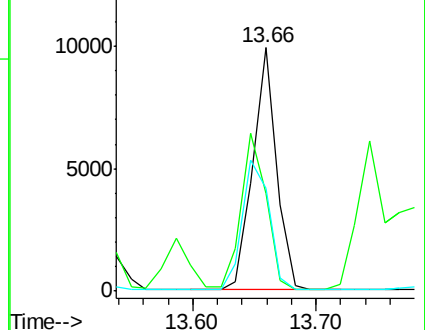
89 42.2 32.1 48.1

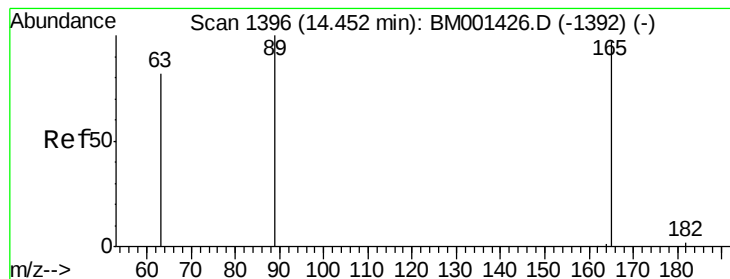


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#13

2,4-Dinitrotoluene

Concen: 10.11 ng

RT: 14.46 min Scan# 1397

Delta R.T. 0.01 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

Instrument :

BNA_M

ClientSampleId :

KM-SP-002-150518MS

Tgt Ion:165 Resp: 19214

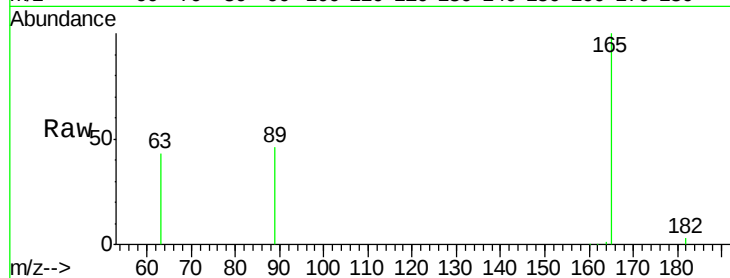
Ion Ratio Lower Upper

165 100

63 42.8 70.6 105.8#

89 46.2 82.4 123.6#

182 3.3 7.5 11.3#

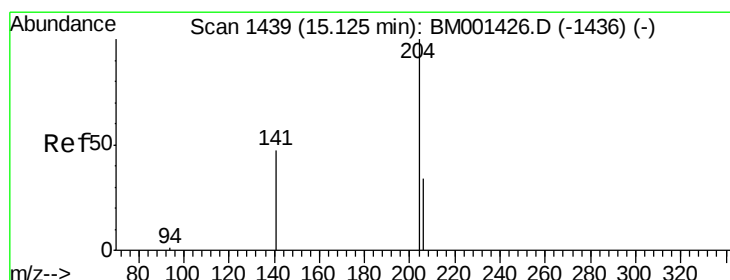
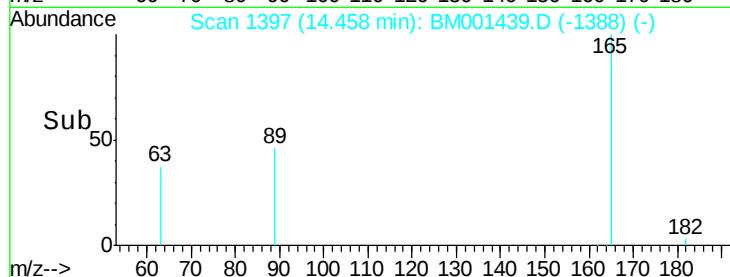
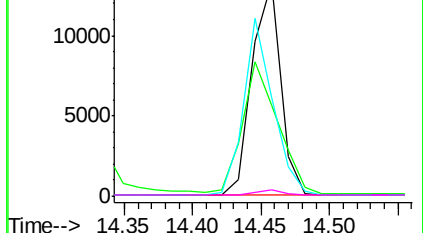


Abundance Ion 165.00 (164.70 to 165.70): E

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



#14

4-Chlorophenyl-phenylether

Concen: 8.22 ng

RT: 15.11 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

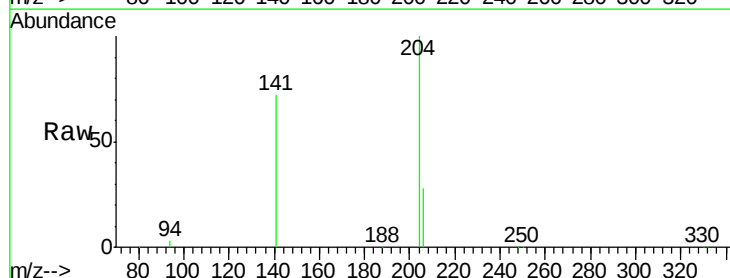
Tgt Ion:204 Resp: 32977

Ion Ratio Lower Upper

204 100

206 27.7 27.8 41.8#

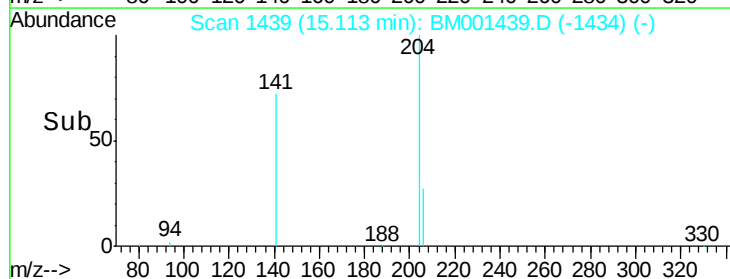
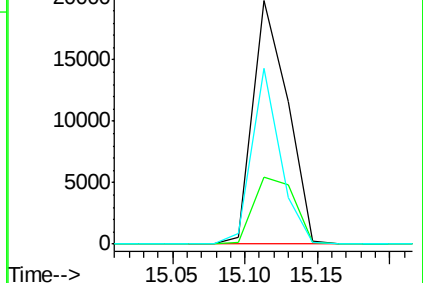
141 72.1 38.2 57.4#

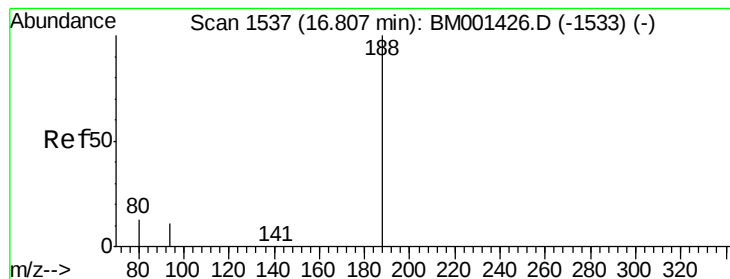


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.81 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

Instrument :

BNA_M

ClientSampleId :

KM-SP-002-150518MS

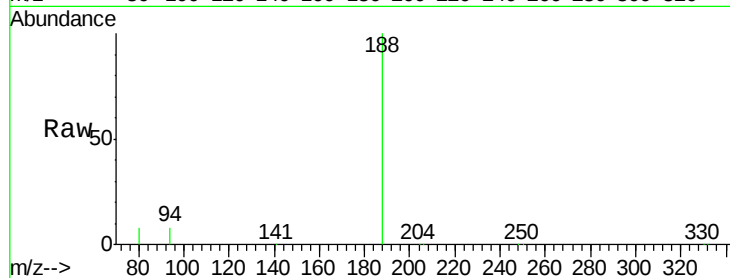
Tgt Ion:188 Resp: 61224

Ion Ratio Lower Upper

188 100

94 8.4 9.0 13.4#

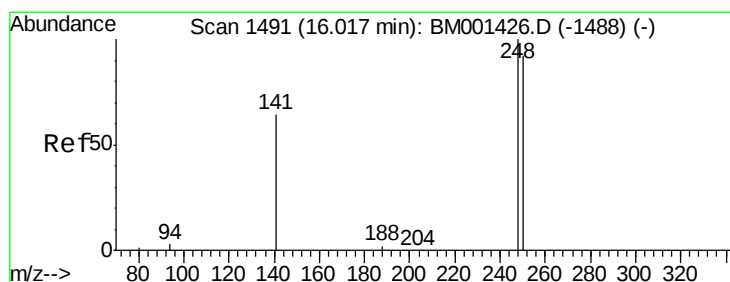
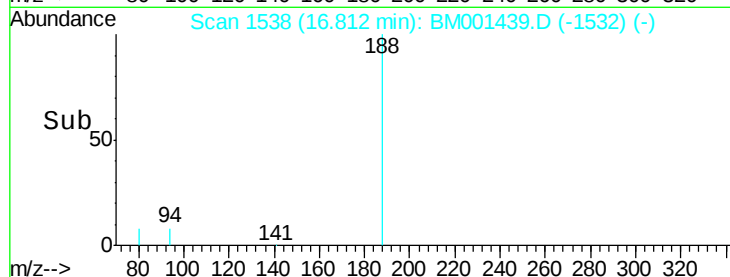
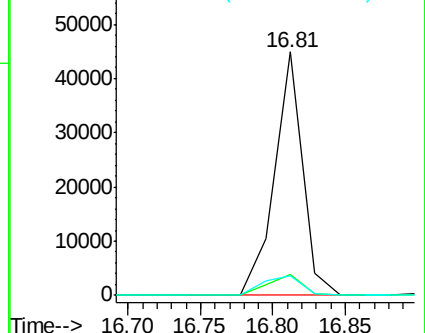
80 8.3 10.6 15.8#



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: 8.26 ng

RT: 16.02 min Scan# 1492

Delta R.T. 0.01 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

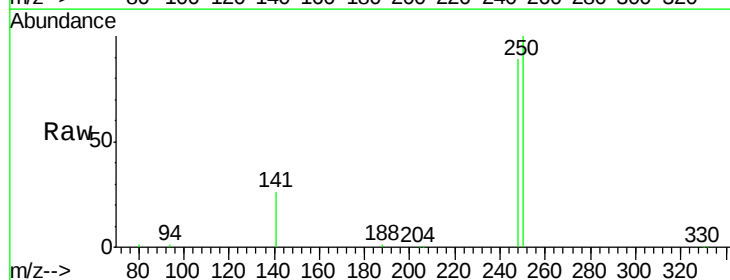
Tgt Ion:248 Resp: 19919

Ion Ratio Lower Upper

248 100

250 112.3 74.1 111.1#

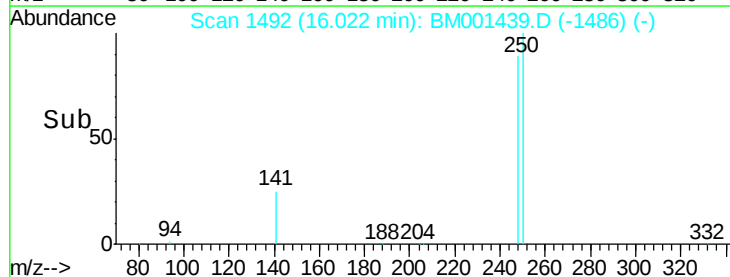
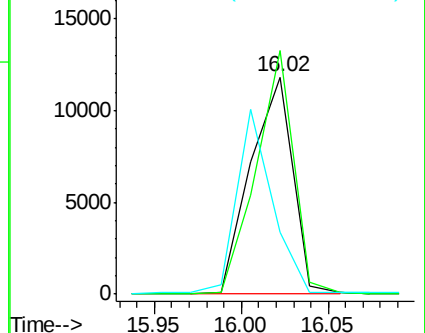
141 28.6 52.4 78.6#

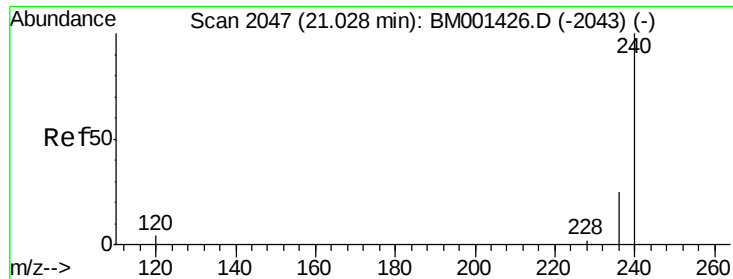


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

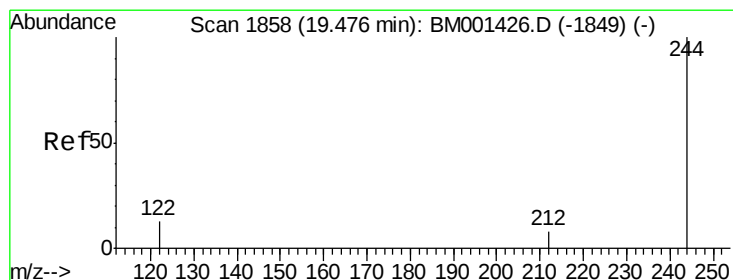
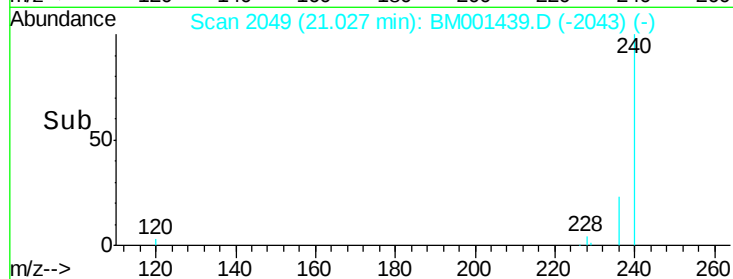
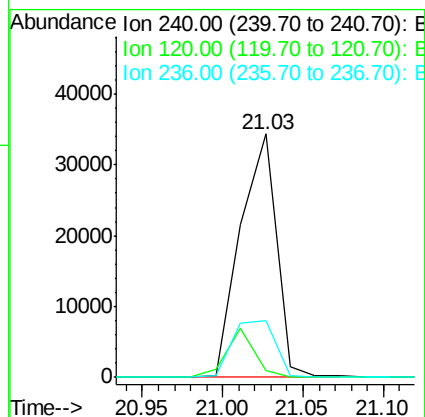
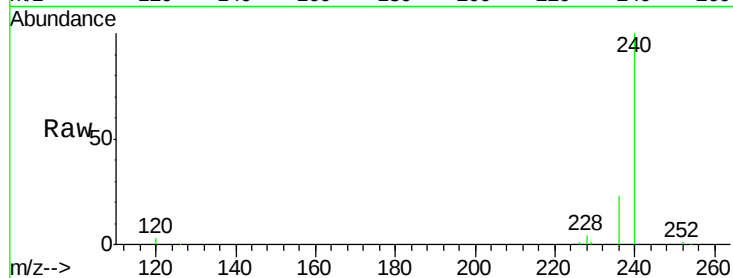




#17
Chrysene-d12
Concen: 5.00 ng
RT: 21.03 min Scan# 2049
Delta R.T. -0.00 min
Lab File: BM001439.D
Acq: 28 May 2015 23:18

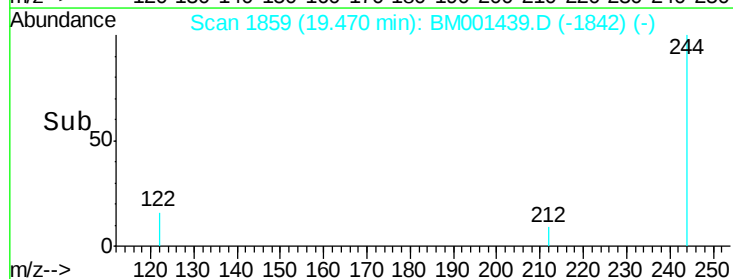
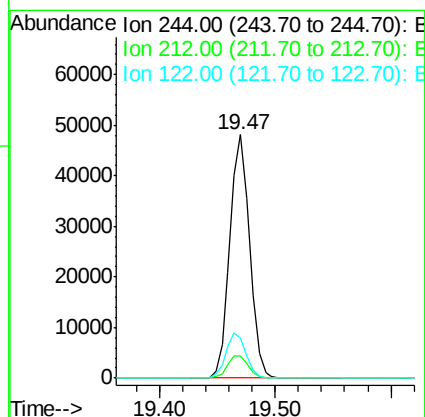
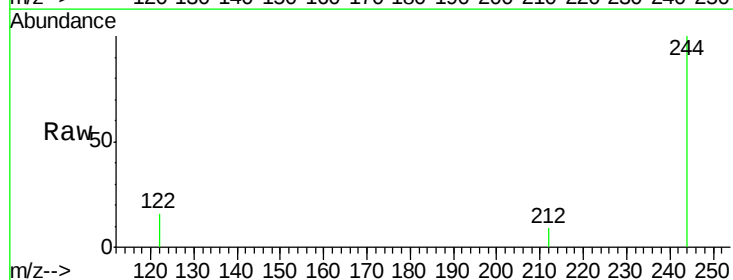
Instrument :
BNA_M
ClientSampleId :
KM-SP-002-150518MS

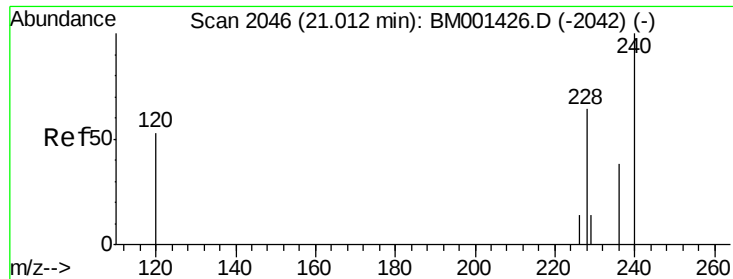
Tgt Ion:240 Resp: 53619
Ion Ratio Lower Upper
240 100
120 2.9 3.2 4.8#
236 23.3 19.8 29.6



#18
Terphenyl-d14
Concen: 8.49 ng
RT: 19.47 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BM001439.D
Acq: 28 May 2015 23:18

Tgt Ion:244 Resp: 56550
Ion Ratio Lower Upper
244 100
212 9.2 7.4 11.2
122 16.2 11.4 17.0





#19

Benzo(a)anthracene

Concen: 8.42 ng

RT: 21.00 min Scan# 2047

Delta R.T. -0.02 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

Instrument :

BNA_M

ClientSampleId :

KM-SP-002-150518MS

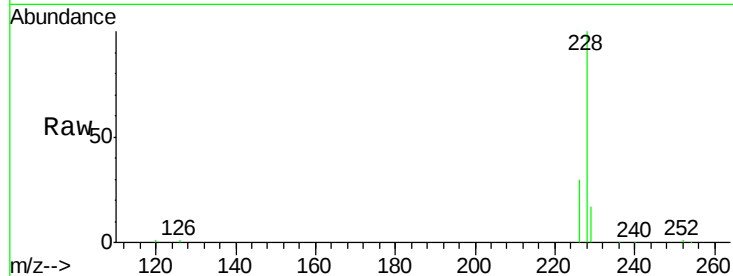
Tgt Ion:228 Resp: 112640

Ion Ratio Lower Upper

228 100

226 30.1 18.2 27.2#

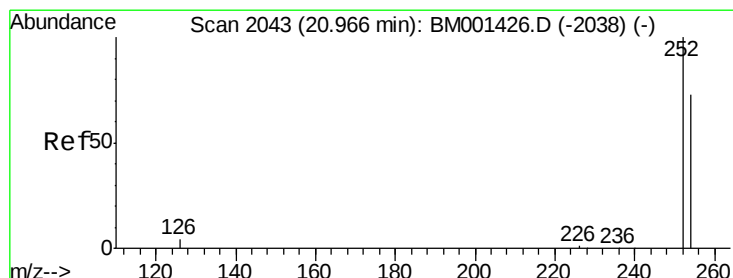
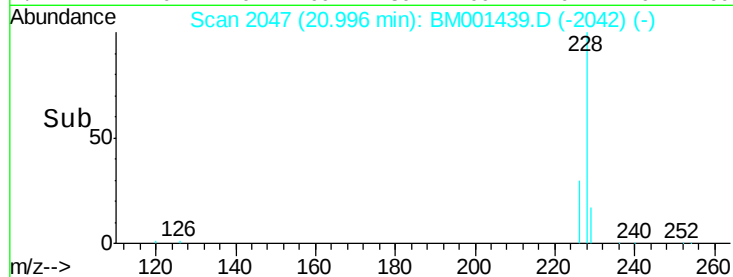
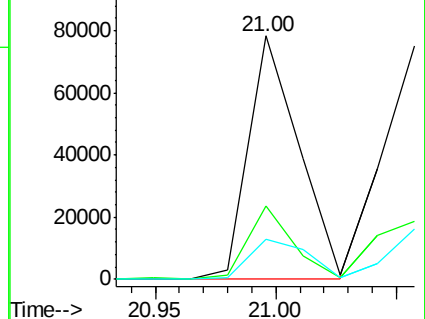
229 16.7 17.8 26.8#



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: 9.64 ng

RT: 20.95 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BM001439.D

Acq: 28 May 2015 23:18

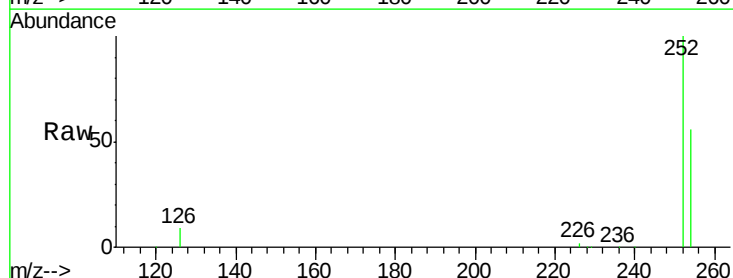
Tgt Ion:252 Resp: 44098

Ion Ratio Lower Upper

252 100

254 56.5 59.0 88.6#

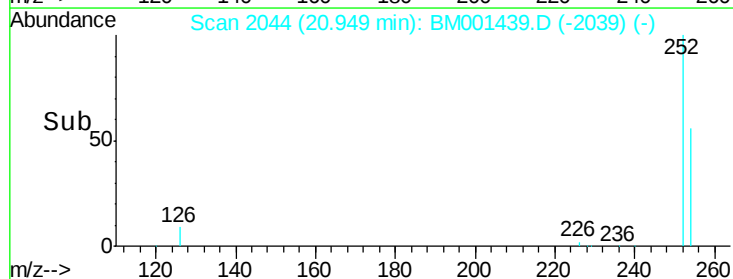
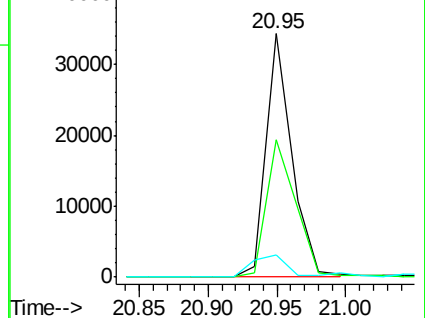
126 8.9 5.9 8.9#

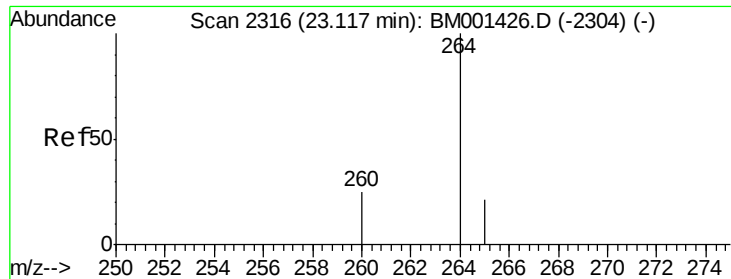


Abundance Ion 252.00 (251.70 to 252.70): E

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# 2317
Delta R.T. -0.01 min
Lab File: BM001439.D
Acq: 28 May 2015 23:18

Instrument :
BNA_M
ClientSampleId :
KM-SP-002-150518MS

Tgt Ion: 264 Resp: 46099
Ion Ratio Lower Upper
264 100
260 24.4 20.1 30.1
265 22.0 17.3 25.9

