

Data Path : Z:\HPCHEM1\BNA_M\Data\BM052815\
 Data File : BM001440.D
 Acq On : 28 May 2015 23:54
 Operator : TP/IZ
 Sample : G2406-02MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: May 29 04:14:05 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	12625	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	43817	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	26371	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	61379	5.00	ng	0.00
17) Chrysene-d12	21.03	240	54868	5.00	ng	0.00
21) Perylene-d12	23.11	264	46541	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	20057	10.38	ng	0.00
3) Phenol-d6	6.57	99	26201	12.84	ng	-0.03
7) Nitrobenzene-d5	8.53	82	18184	7.78	ng	0.00
10) 2,4,6-Tribromophenol	15.58	330	11843	10.77	ng	0.00
11) 2-Fluorobiphenyl	12.68	172	51462	7.03	ng	0.00
18) Terphenyl-d14	19.47	244	48084	7.05	ng	0.00

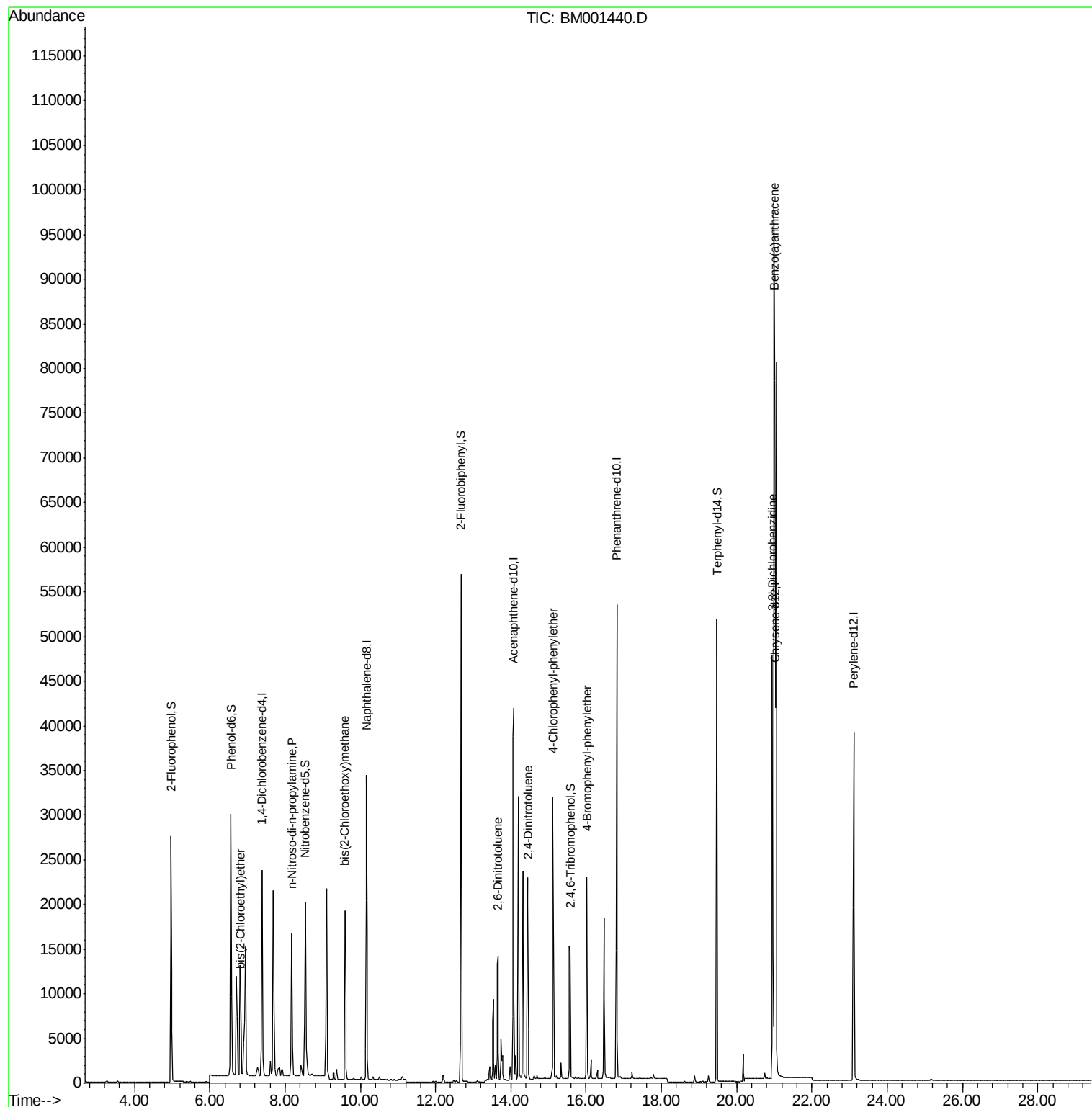
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.82	93	12580	5.96	ng	75
5) n-Nitroso-di-n-propylamine	8.18	70	11717	8.44	ng	# 73
8) bis(2-Chloroethoxy)methane	9.60	93	19774	6.61	ng	98
12) 2,6-Dinitrotoluene	13.66	165	10213	6.29	ng	99
13) 2,4-Dinitrotoluene	14.46	165	14866	7.79	ng	# 51
14) 4-Chlorophenyl-phenylether	15.11	204	25974	6.40	ng	# 76
16) 4-Bromophenyl-phenylether	16.02	248	15416	6.37	ng	# 68
19) Benzo(a)anthracene	21.00	228	87619	6.40	ng	# 88
20) 3,3'-Dichlorobenzidine	20.95	252	34884	7.51	ng	# 83

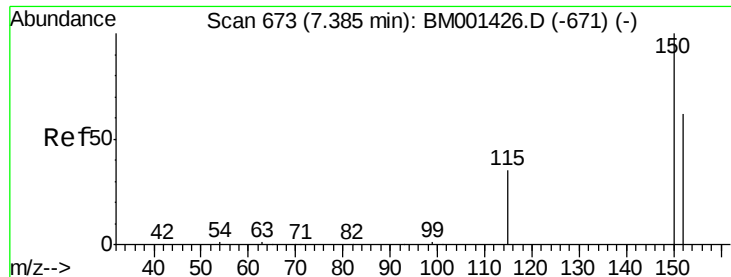
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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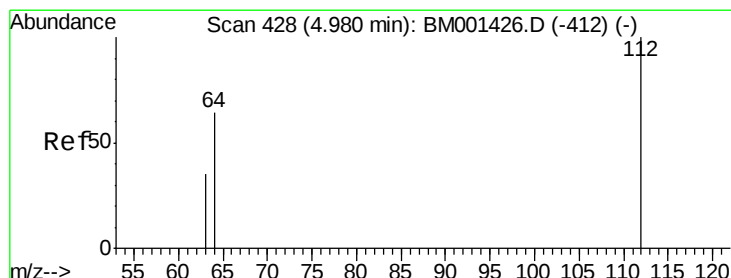
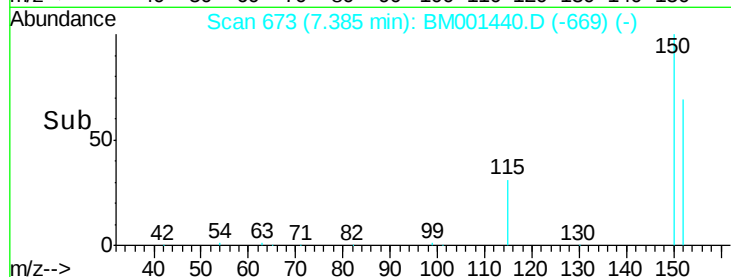
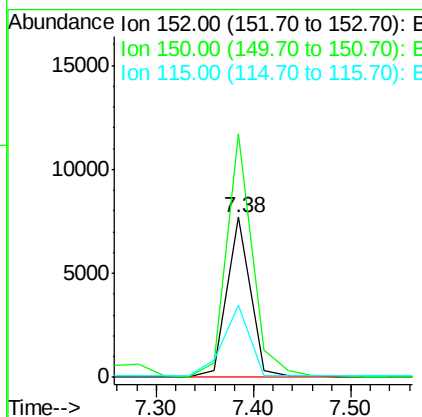
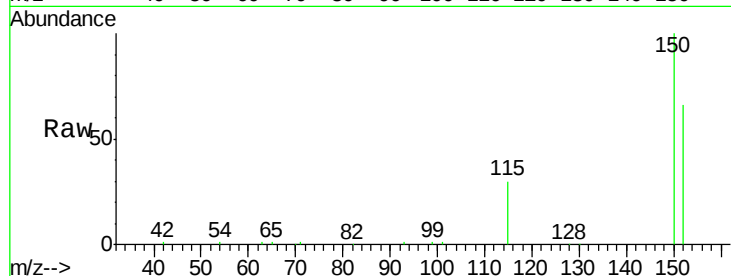


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.38 min Scan# 673
Delta R.T. -0.00 min
Lab File: BM001440.D
Acq: 28 May 2015 23:54

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

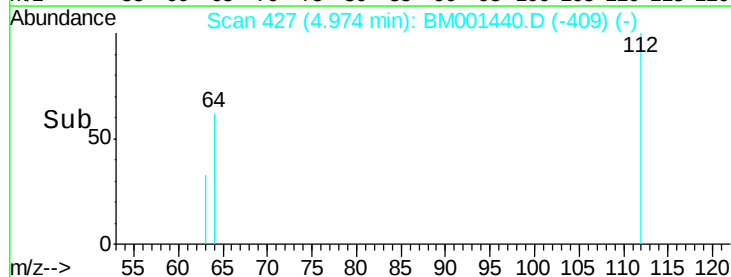
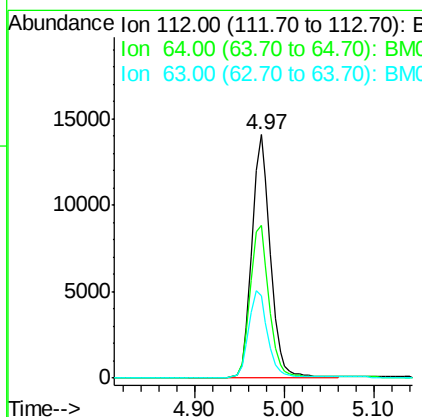
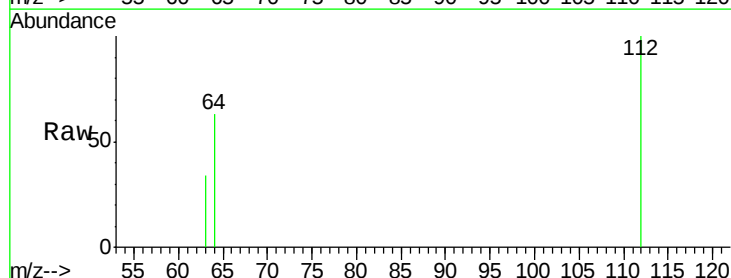
Tgt Ion:152 Resp: 12625
Ion Ratio Lower Upper
152 100
150 152.0 128.4 192.6
115 45.3 45.6 68.4#

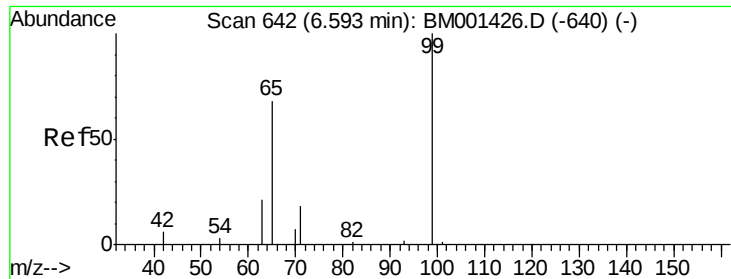


#2

2-Fluorophenol
Concen: 10.38 ng
RT: 4.97 min Scan# 427
Delta R.T. -0.01 min
Lab File: BM001440.D
Acq: 28 May 2015 23:54

Tgt Ion:112 Resp: 20057
Ion Ratio Lower Upper
112 100
64 62.6 52.1 78.1
63 33.6 30.2 45.2





#3

Phenol-d6

Concen: 12.84 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.03 min

Lab File: BM001440.D

Acq: 28 May 2015 23:54

Instrument :

BNA_M

ClientSampleId :

KM-SP-002-150518MSD

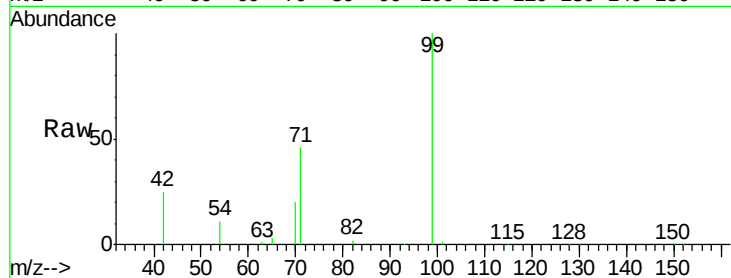
Tgt Ion: 99 Resp: 26201

Ion Ratio Lower Upper

99 100

42 25.3 13.7 20.5#

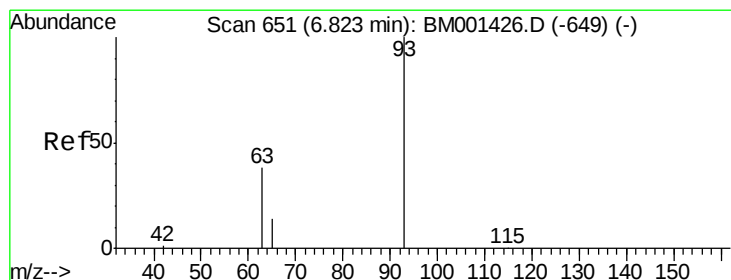
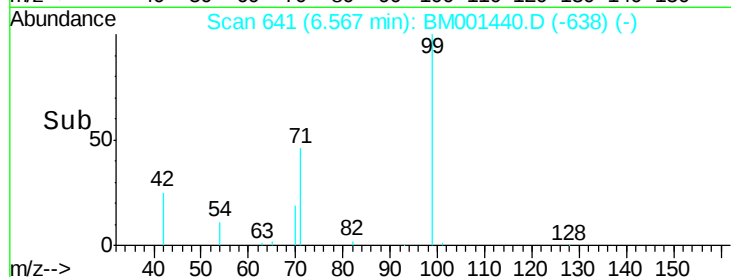
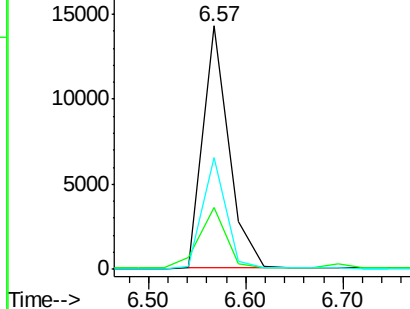
71 45.8 19.8 29.6#



Abundance Ion 99.00 (98.70 to 99.70): BM001440.D (-638) (-)

Ion 42.00 (41.70 to 42.70): BM001440.D (-638) (-)

Ion 71.00 (70.70 to 71.70): BM001440.D (-638) (-)



#4

bis(2-Chloroethyl)ether

Concen: 5.96 ng

RT: 6.82 min Scan# 651

Delta R.T. -0.00 min

Lab File: BM001440.D

Acq: 28 May 2015 23:54

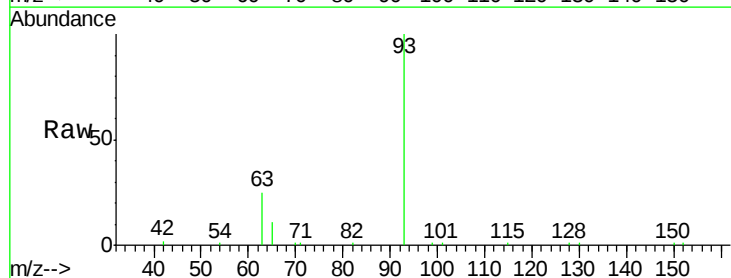
Tgt Ion: 93 Resp: 12580

Ion Ratio Lower Upper

93 100

63 24.7 20.0 60.0

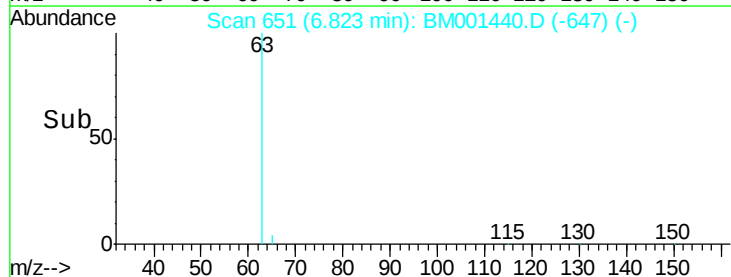
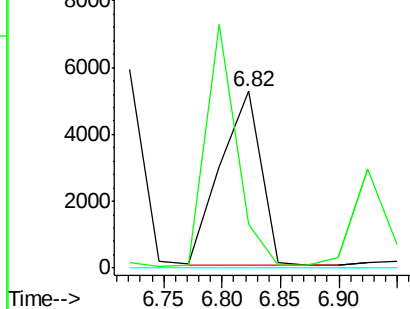
95 0.0 0.0 20.0

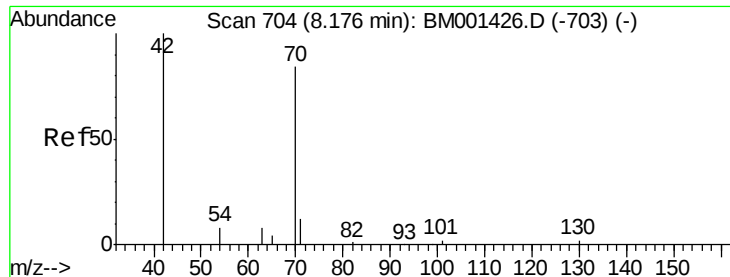


Abundance Ion 93.00 (92.70 to 93.70): BM001440.D (-647) (-)

Ion 63.00 (62.70 to 63.70): BM001440.D (-647) (-)

Ion 95.00 (94.70 to 95.70): BM001440.D (-647) (-)





#5

n-Nitroso-di-n-propylamine

Concen: 8.44 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001440.D

Acq: 28 May 2015 23:54

Instrument :

BNA_M

ClientSampleId :

KM-SP-002-150518MSD

Tgt Ion: 70 Resp: 11717

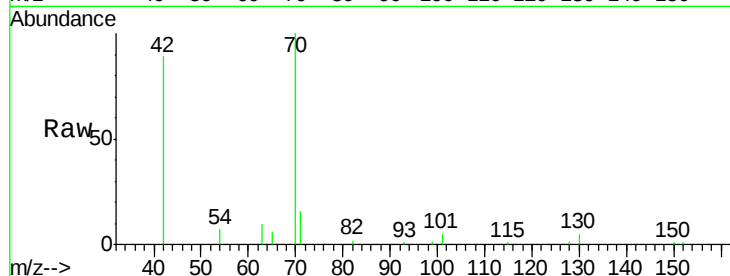
Ion Ratio Lower Upper

70 100

42 89.4 97.8 146.6#

101 5.0 8.2 12.2#

130 4.5 7.5 11.3#

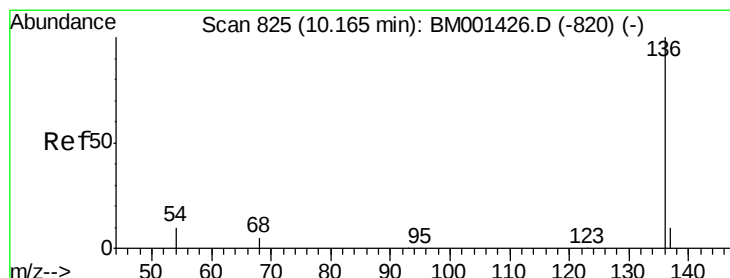
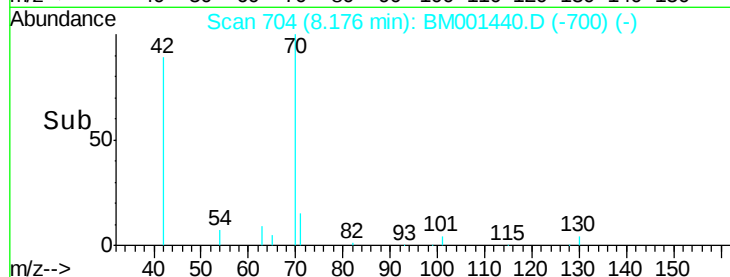
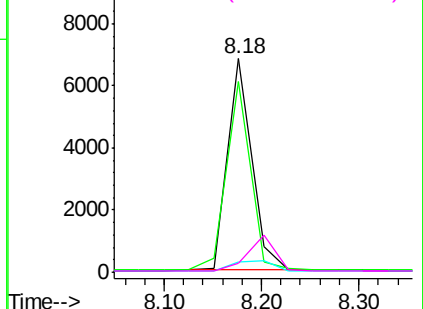


Abundance Ion 70.00 (69.70 to 70.70): BM0

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: BM001440.D

Acq: 28 May 2015 23:54

Tgt Ion: 136 Resp: 43817

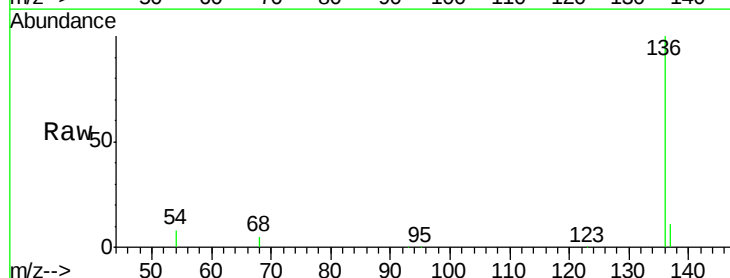
Ion Ratio Lower Upper

136 100

137 11.0 8.3 12.5

54 8.2 8.2 12.4#

68 4.9 4.5 6.7

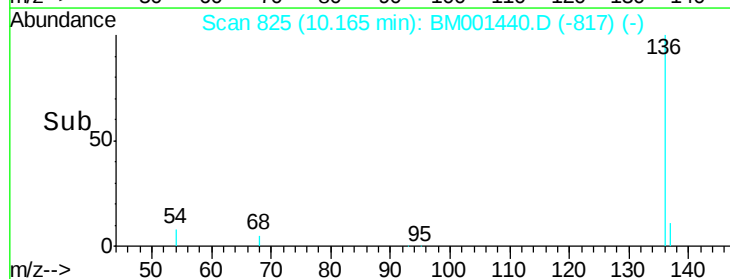
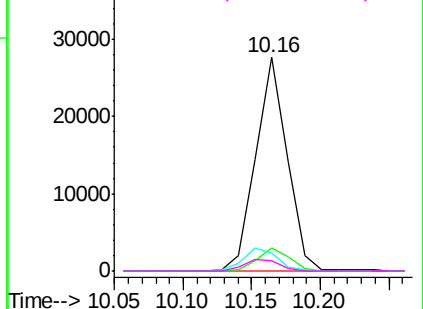


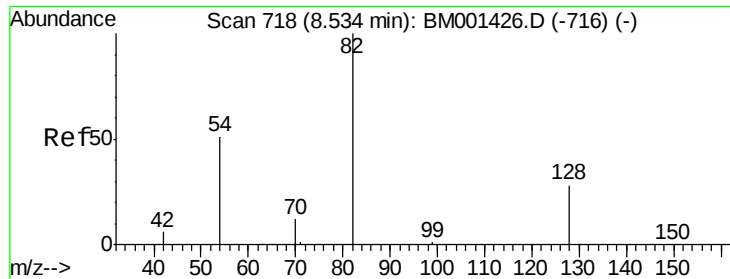
Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.78 ng

RT: 8.53 min Scan# 718

Delta R.T. -0.00 min

Lab File: BM001440.D

Acq: 28 May 2015 23:54

Instrument :

BNA_M

ClientSampleId :

KM-SP-002-150518MSD

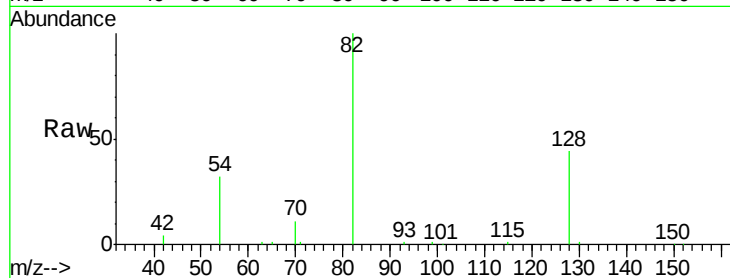
Tgt Ion: 82 Resp: 18184

Ion Ratio Lower Upper

82 100

128 44.3 24.4 36.6#

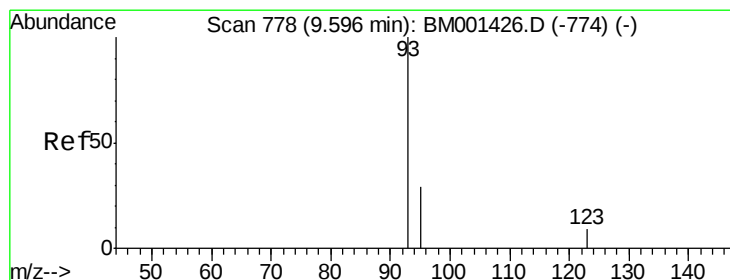
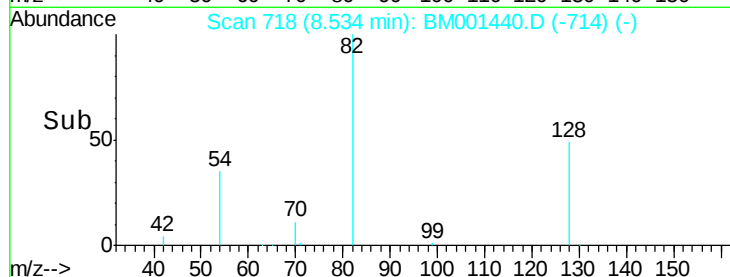
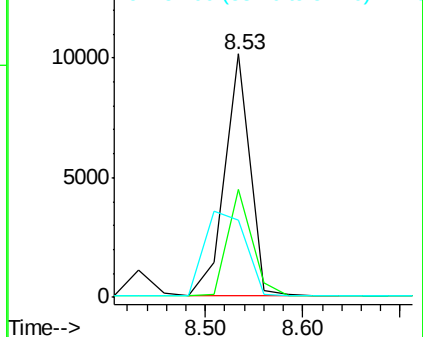
54 31.8 42.3 63.5#



Abundance Ion 82.00 (81.70 to 82.70): BM001440.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BM001440.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BM001440.D (-714) (-)



#8

bis(2-Chloroethoxy)methane

Concen: 6.61 ng

RT: 9.60 min Scan# 778

Delta R.T. -0.00 min

Lab File: BM001440.D

Acq: 28 May 2015 23:54

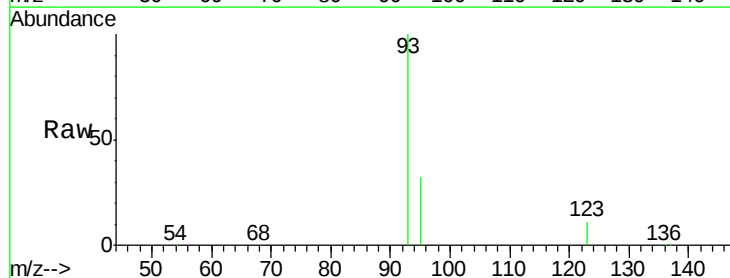
Tgt Ion: 93 Resp: 19774

Ion Ratio Lower Upper

93 100

95 32.5 25.3 37.9

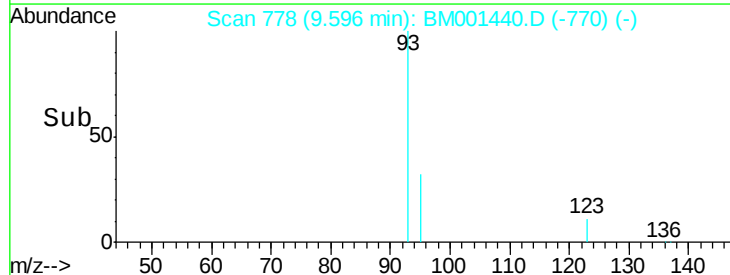
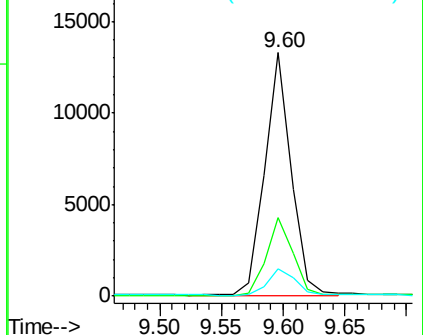
123 11.4 10.2 15.2

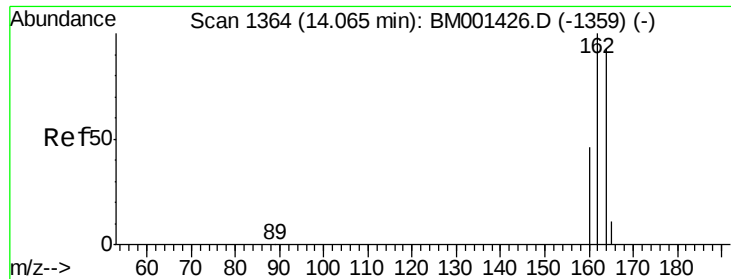


Abundance Ion 93.00 (92.70 to 93.70): BM001440.D (-770) (-)

Ion 95.00 (94.70 to 95.70): BM001440.D (-770) (-)

Ion 123.00 (122.70 to 123.70): BM001440.D (-770) (-)





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1365

Delta R.T. 0.01 min

Lab File: BM001440.D

Acq: 28 May 2015 23:54

Instrument :

BNA_M

ClientSampleId :

KM-SP-002-150518MSD

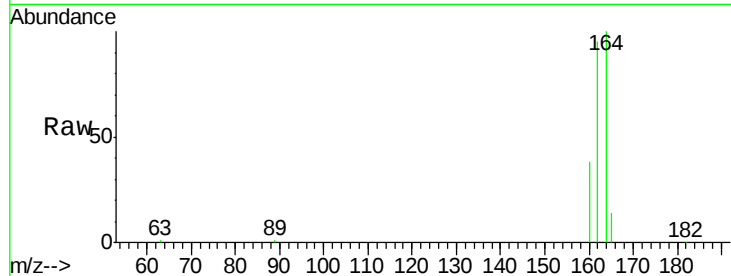
Tgt Ion:164 Resp: 26371

Ion Ratio Lower Upper

164 100

162 94.8 86.2 129.2

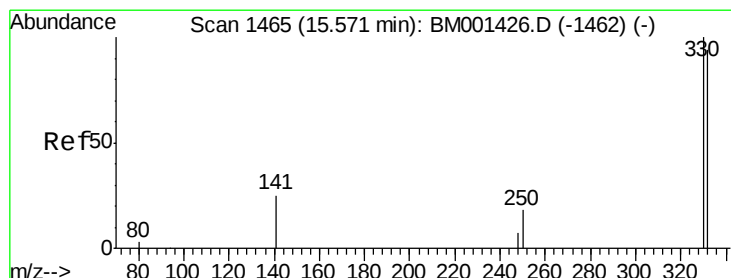
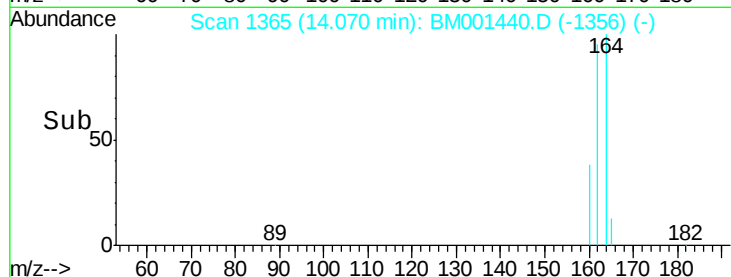
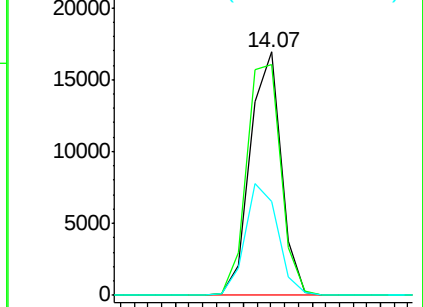
160 38.5 39.4 59.2#



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: 10.77 ng

RT: 15.58 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BM001440.D

Acq: 28 May 2015 23:54

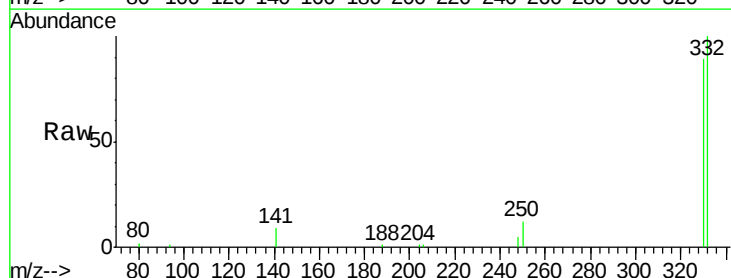
Tgt Ion:330 Resp: 11843

Ion Ratio Lower Upper

330 100

332 96.5 76.3 114.5

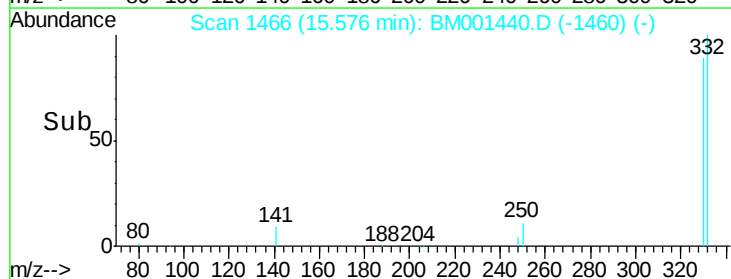
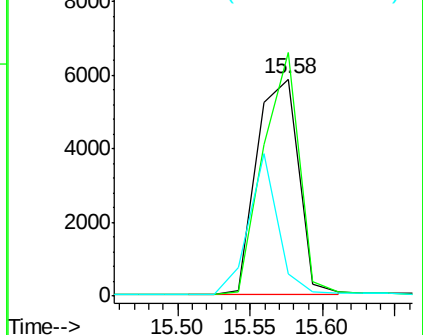
141 44.7 35.0 52.4

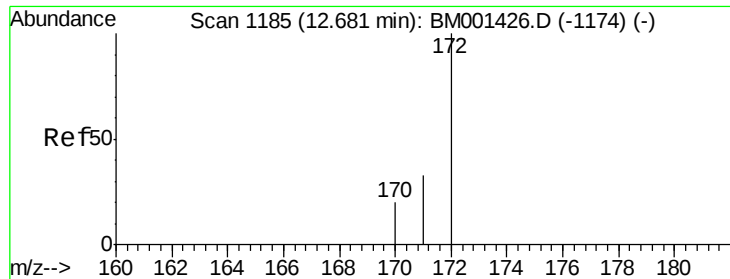


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

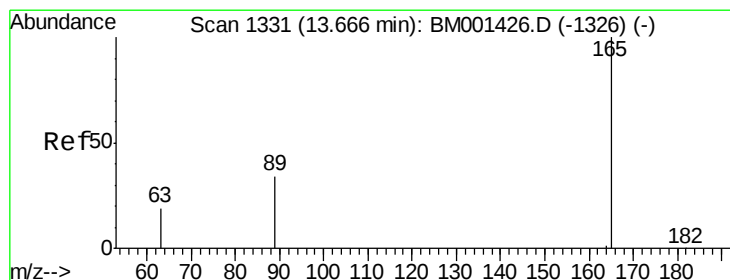
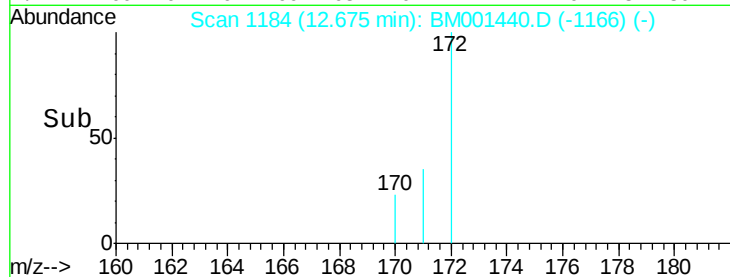
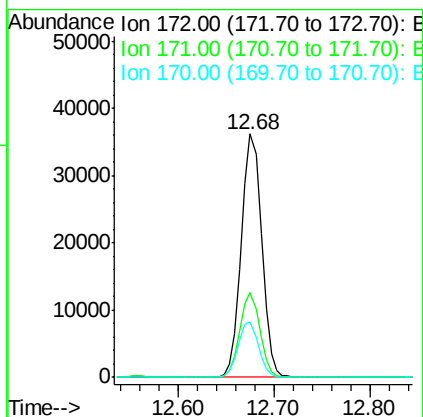
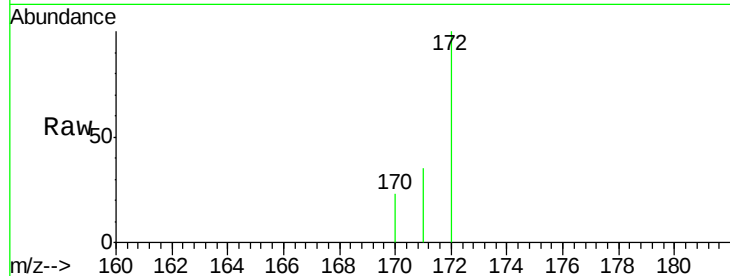




#11
2-Fluorobiphenyl
Concen: 7.03 ng
RT: 12.68 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BM001440.D
Acq: 28 May 2015 23:54

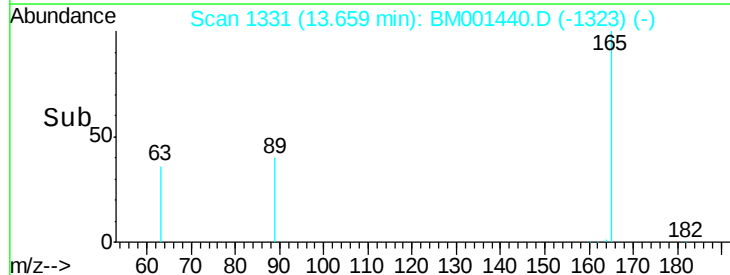
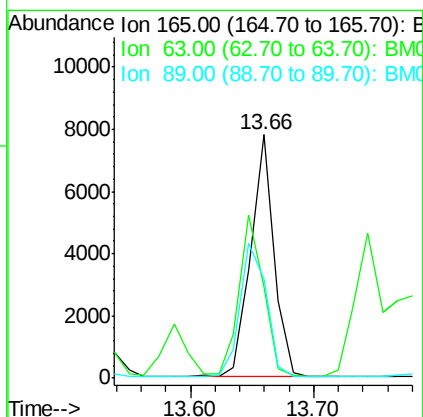
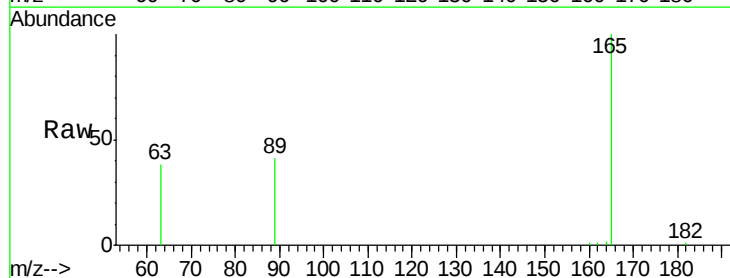
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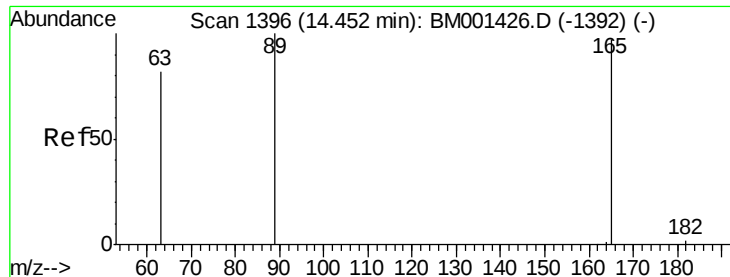
Tgt Ion:172 Resp: 51462
Ion Ratio Lower Upper
172 100
171 34.7 26.9 40.3
170 22.7 17.1 25.7



#12
2,6-Dinitrotoluene
Concen: 6.29 ng
RT: 13.66 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BM001440.D
Acq: 28 May 2015 23:54

Tgt Ion:165 Resp: 10213
Ion Ratio Lower Upper
165 100
63 37.6 29.1 43.7
89 40.6 32.1 48.1

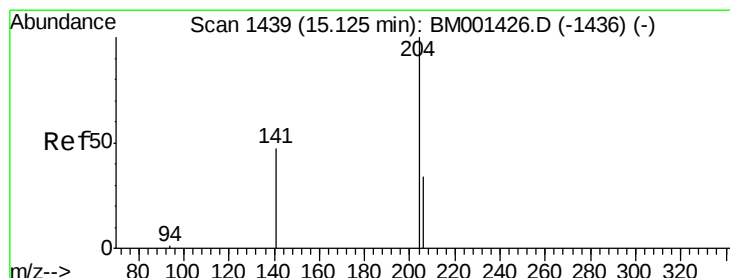
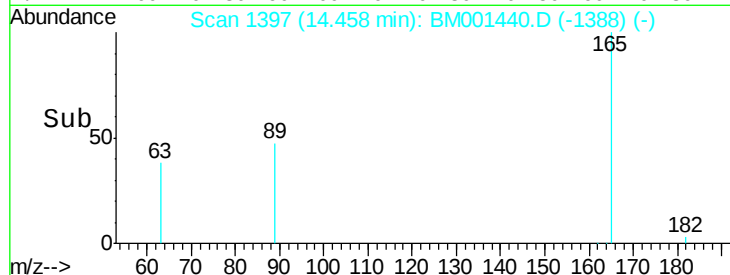
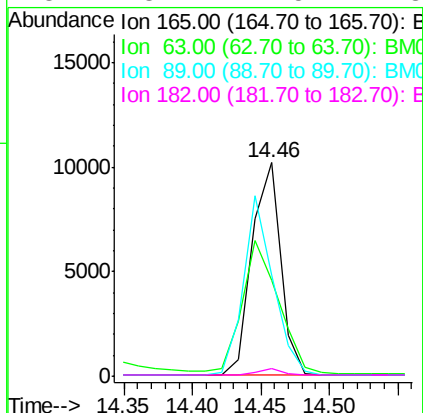
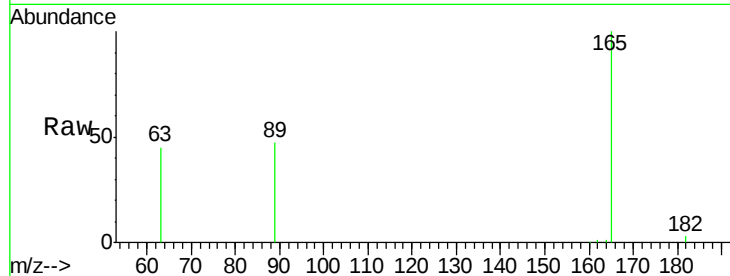




#13
 2,4-Dinitrotoluene
 Concen: 7.79 ng
 RT: 14.46 min Scan# 1397
 Delta R.T. 0.01 min
 Lab File: BM001440.D
 Acq: 28 May 2015 23:54

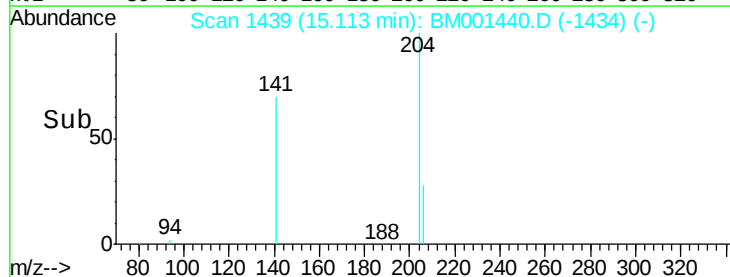
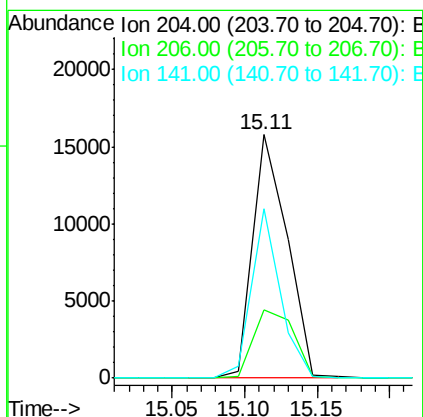
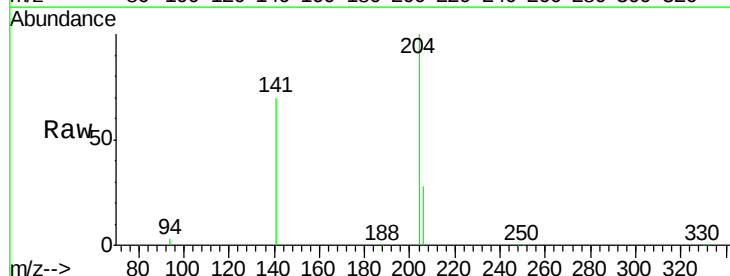
Instrument :
 BNA_M
 ClientSampleId :
 KM-SP-002-150518MSD

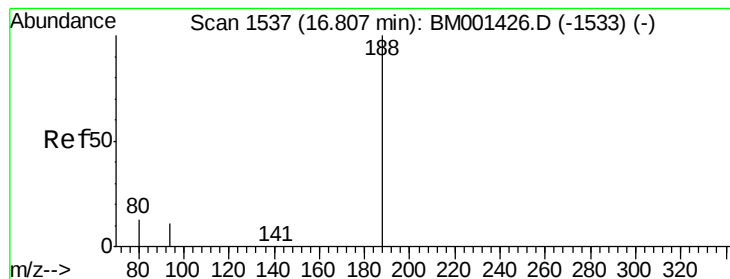
Tgt Ion:165 Resp: 14866
 Ion Ratio Lower Upper
 165 100
 63 44.7 70.6 105.8#
 89 47.2 82.4 123.6#
 182 3.4 7.5 11.3#



#14
 4-Chlorophenyl-phenylether
 Concen: 6.40 ng
 RT: 15.11 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BM001440.D
 Acq: 28 May 2015 23:54

Tgt Ion:204 Resp: 25974
 Ion Ratio Lower Upper
 204 100
 206 28.3 27.8 41.8
 141 69.7 38.2 57.4#





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.81 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BM001440.D

Acq: 28 May 2015 23:54

Instrument :

BNA_M

ClientSampleId :

KM-SP-002-150518MSD

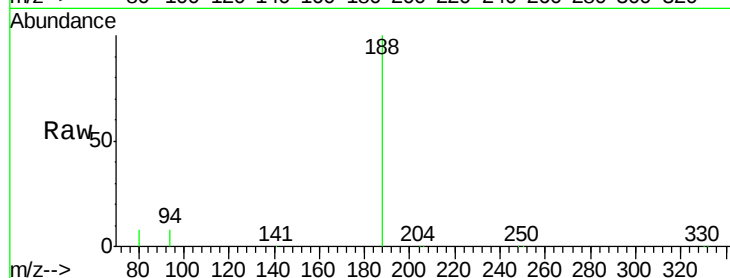
Tgt Ion:188 Resp: 61379

Ion Ratio Lower Upper

188 100

94 8.4 9.0 13.4#

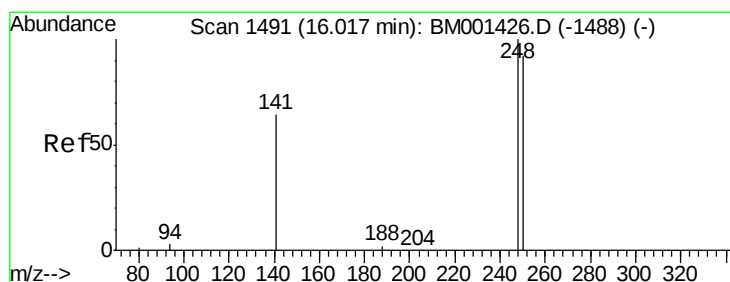
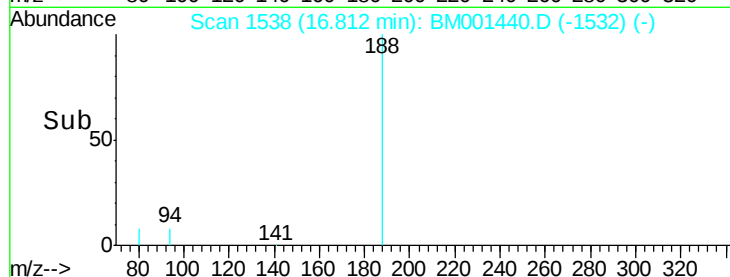
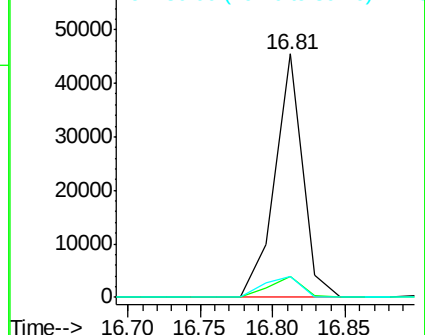
80 8.5 10.6 15.8#



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: 6.37 ng

RT: 16.02 min Scan# 1492

Delta R.T. 0.01 min

Lab File: BM001440.D

Acq: 28 May 2015 23:54

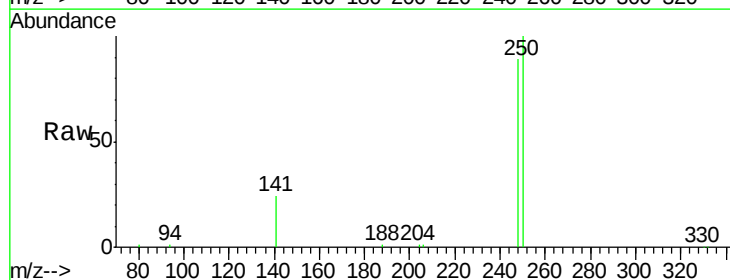
Tgt Ion:248 Resp: 15416

Ion Ratio Lower Upper

248 100

250 112.9 74.1 111.1#

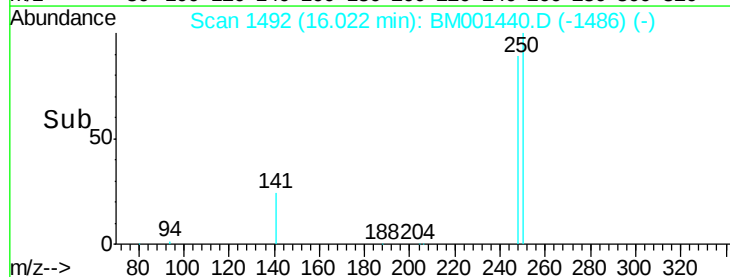
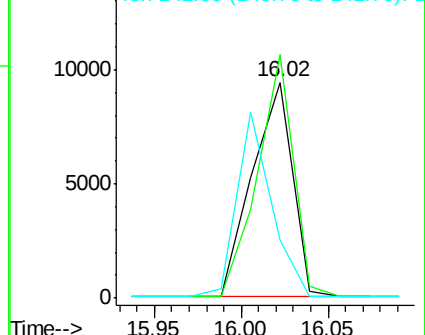
141 27.2 52.4 78.6#

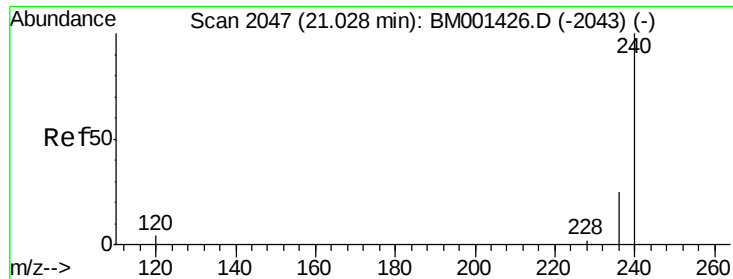


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

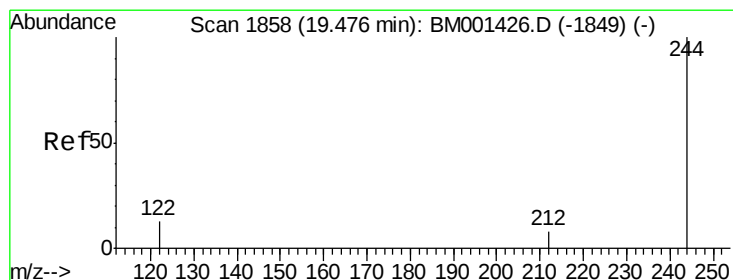
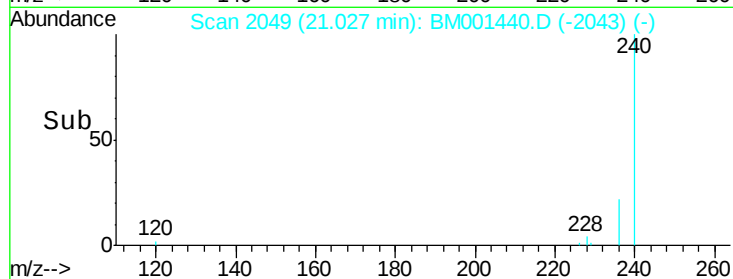
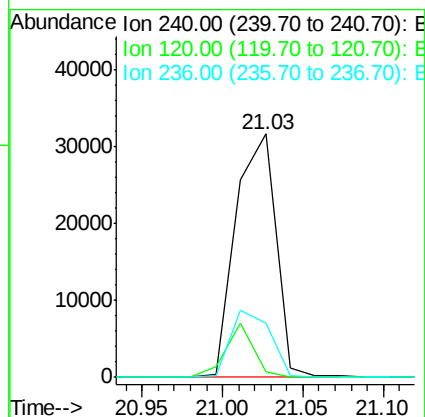
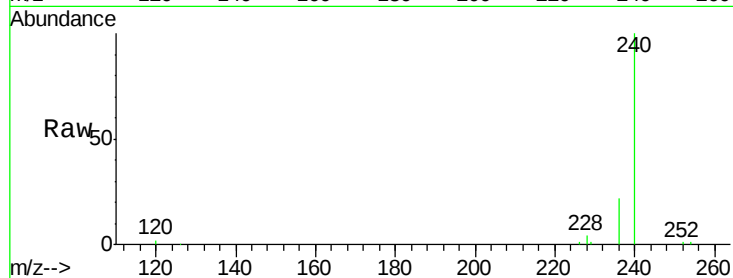




#17
Chrysene-d12
Concen: 5.00 ng
RT: 21.03 min Scan# 2049
Delta R.T. -0.00 min
Lab File: BM001440.D
Acq: 28 May 2015 23:54

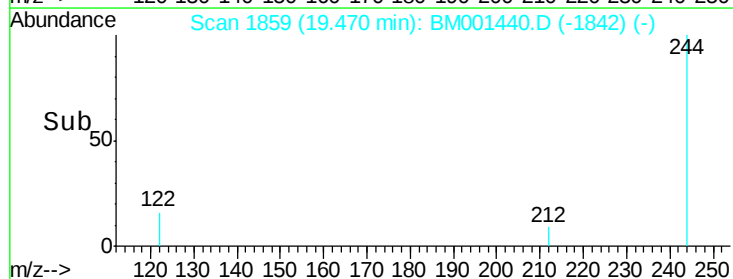
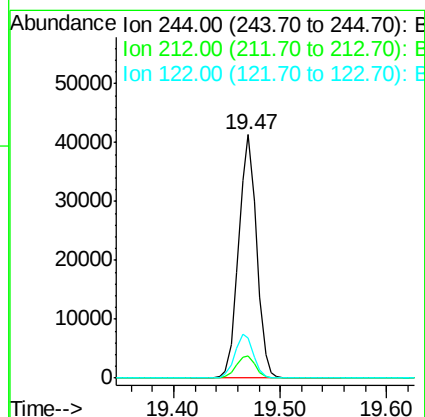
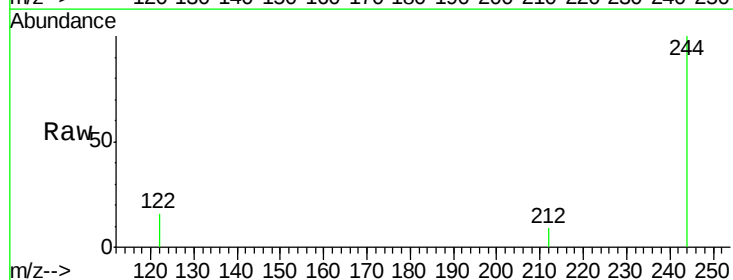
Instrument :
BNA_M
ClientSampleId :
KM-SP-002-150518MSD

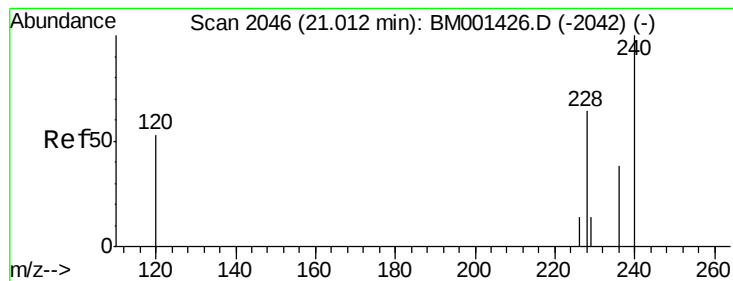
Tgt Ion:240 Resp: 54868
Ion Ratio Lower Upper
240 100
120 2.4 3.2 4.8#
236 22.4 19.8 29.6



#18
Terphenyl-d14
Concen: 7.05 ng
RT: 19.47 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BM001440.D
Acq: 28 May 2015 23:54

Tgt Ion:244 Resp: 48084
Ion Ratio Lower Upper
244 100
212 9.2 7.4 11.2
122 16.3 11.4 17.0





#19

Benzo(a)anthracene

Concen: 6.40 ng

RT: 21.00 min Scan# 2047

Delta R.T. -0.02 min

Lab File: BM001440.D

Acq: 28 May 2015 23:54

Instrument :

BNA_M

ClientSampleId :

KM-SP-002-150518MSD

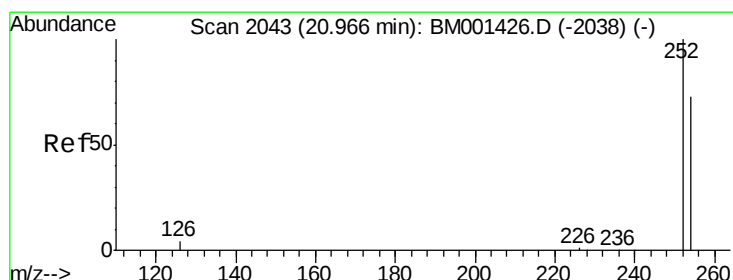
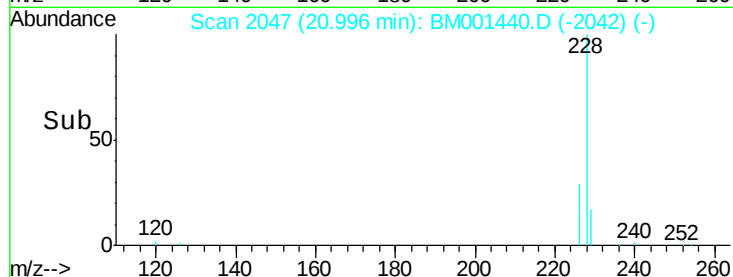
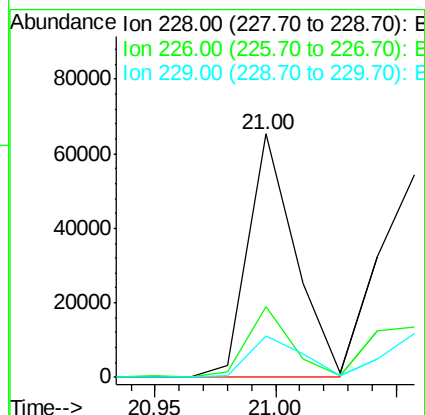
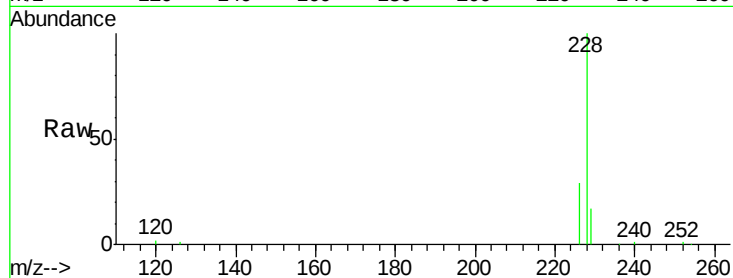
Tgt Ion:228 Resp: 87619

Ion Ratio Lower Upper

228 100

226 29.1 18.2 27.2#

229 17.0 17.8 26.8#



#20

3,3'-Dichlorobenzidine

Concen: 7.51 ng

RT: 20.95 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BM001440.D

Acq: 28 May 2015 23:54

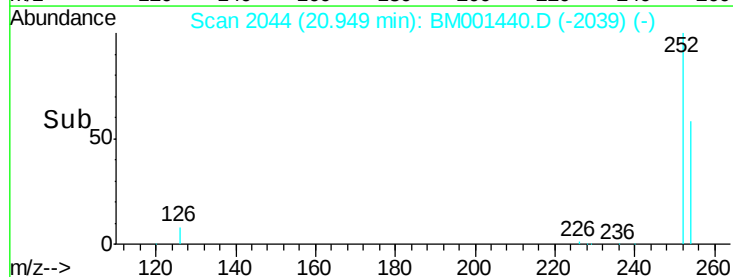
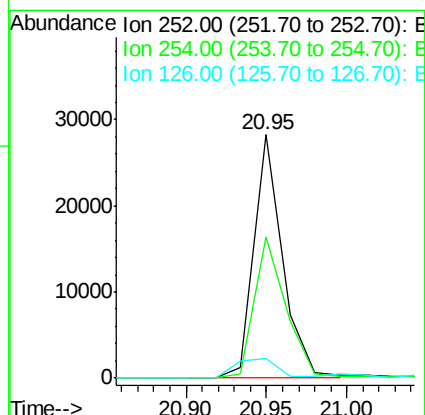
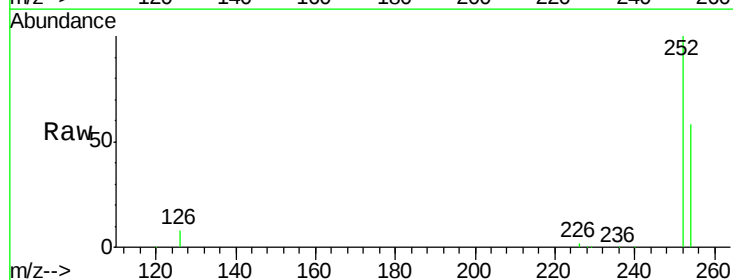
Tgt Ion:252 Resp: 34884

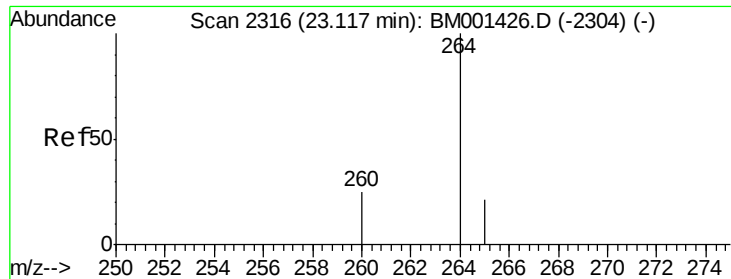
Ion Ratio Lower Upper

252 100

254 58.1 59.0 88.6#

126 7.9 5.9 8.9





#21
Perylene-d12
Concen: 5.00 ng
RT: 23.11 min Scan# 2317
Delta R.T. -0.01 min
Lab File: BM001440.D
Acq: 28 May 2015 23:54

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

Tgt Ion: 264 Resp: 46541
Ion Ratio Lower Upper
264 100
260 24.4 20.1 30.1
265 22.2 17.3 25.9

