

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052815\
 Data File : BM001431.D
 Acq On : 28 May 2015 15:35
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM052815

Quant Time: May 28 16:12:30 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	11426	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	36916	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	22352	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	52057	5.00	ng	0.00
17) Chrysene-d12	21.03	240	48257	5.00	ng	0.00
21) Perylene-d12	23.11	264	40883	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.98	112	1700	0.97	ng	0.00
3) Phenol-d6	6.57	99	1747	0.95	ng	-0.03
7) Nitrobenzene-d5	8.53	82	1887	0.96	ng	0.00
10) 2,4,6-Tribromophenol	15.58	330	648	0.91	ng	0.00
11) 2-Fluorobiphenyl	12.68	172	6130	0.99	ng	0.00
18) Terphenyl-d14	19.48	244	5863	0.98	ng	0.00

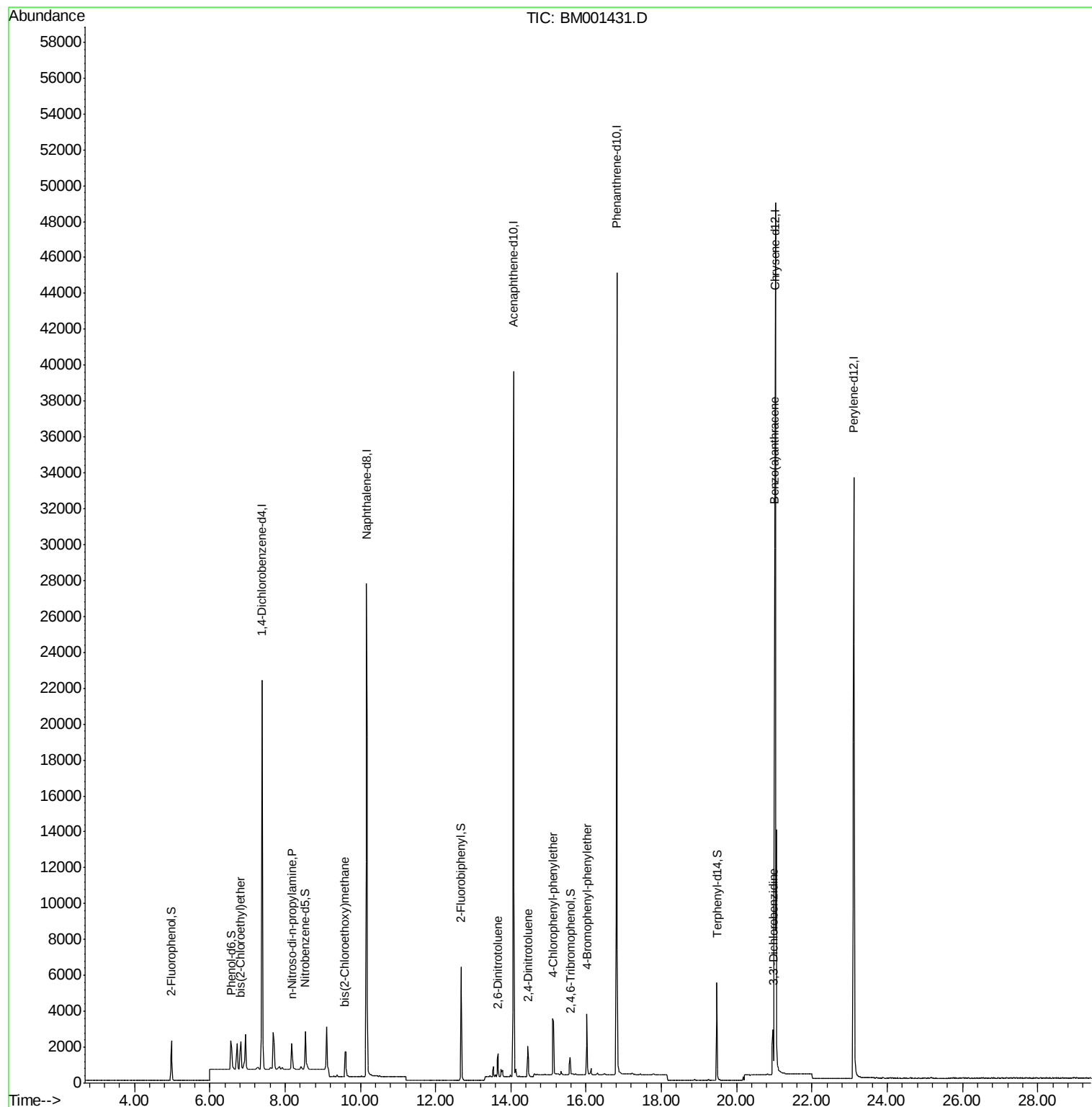
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.82	93	1851	0.96	ng	99
5) n-Nitroso-di-n-propylamine	8.18	70	1177	0.94	ng	97
8) bis(2-Chloroethoxy)methane	9.60	93	1954	0.90	ng	99
12) 2,6-Dinitrotoluene	13.66	165	852	0.87	ng	# 67
13) 2,4-Dinitrotoluene	14.46	165	969	0.83	ng	# 87
14) 4-Chlorophenyl-phenylether	15.13	204	3337	0.97	ng	88
16) 4-Bromophenyl-phenylether	16.02	248	2002	0.97	ng	# 81
19) Benzo(a)anthracene	21.01	228	11155	0.92	ng	100
20) 3,3'-Dichlorobenzidine	20.96	252	2642	0.90	ng	98

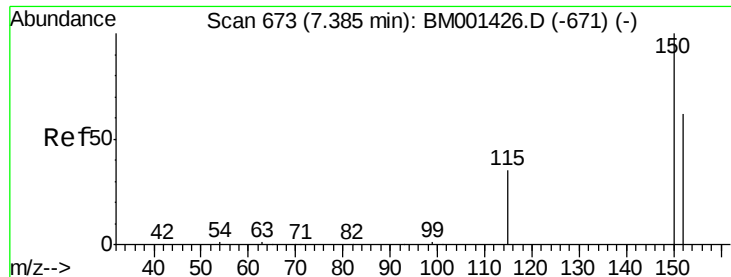
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001431.D

Acq: 28 May 2015 15:35

Instrument :

BNA_M

ClientSampleId :

ICVBM052815

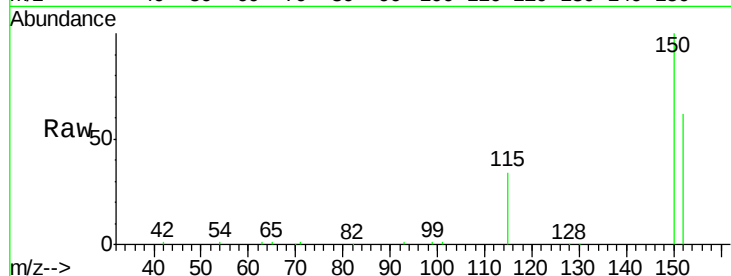
Tgt Ion:152 Resp: 11426

Ion Ratio Lower Upper

152 100

150 160.1 128.4 192.6

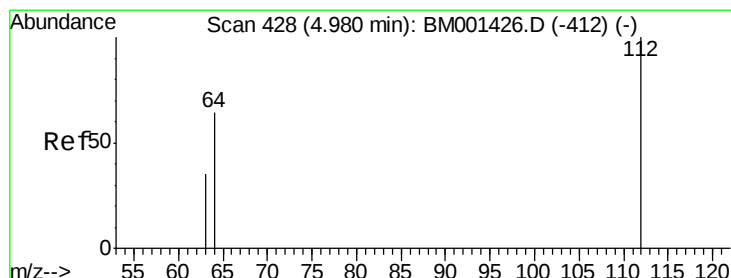
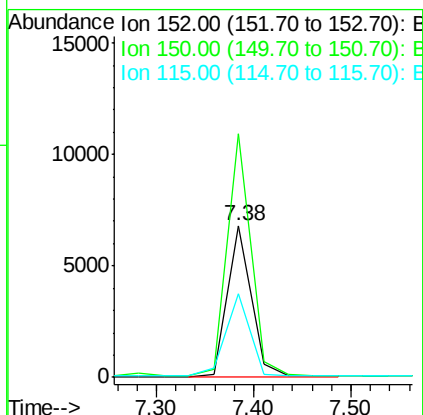
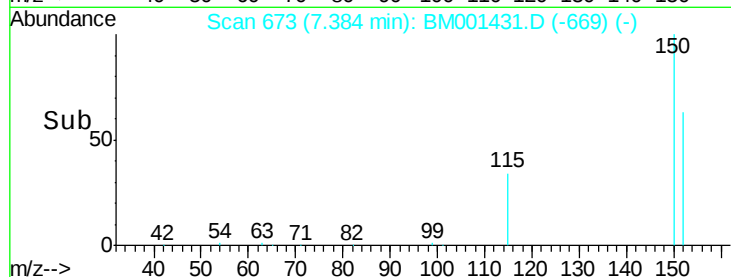
115 54.9 45.6 68.4



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: 0.97 ng

RT: 4.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BM001431.D

Acq: 28 May 2015 15:35

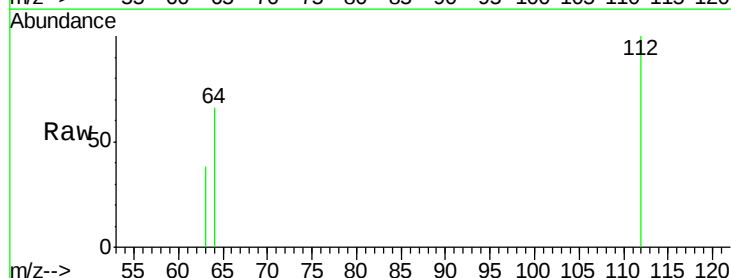
Tgt Ion:112 Resp: 1700

Ion Ratio Lower Upper

112 100

64 65.5 52.1 78.1

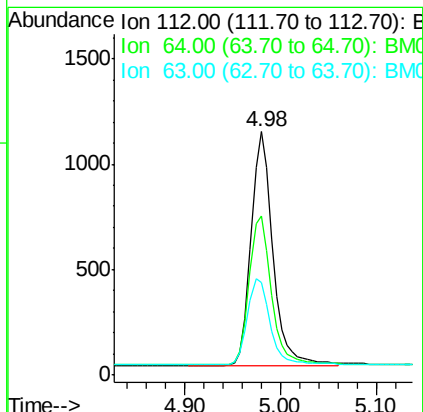
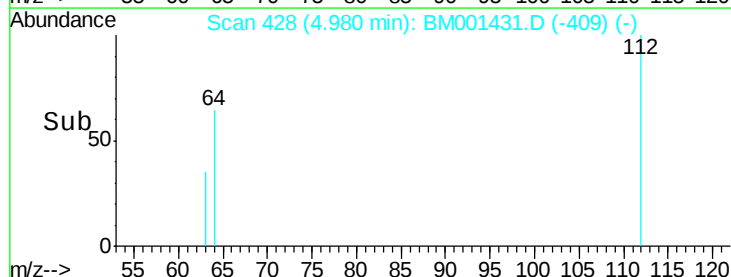
63 37.9 30.2 45.2

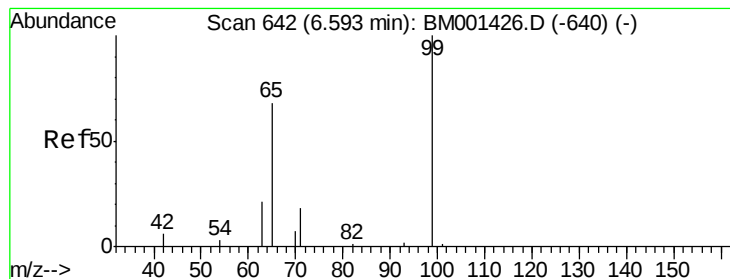


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#3

Phenol-d6

Concen: 0.95 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.03 min

Lab File: BM001431.D

Acq: 28 May 2015 15:35

Instrument :

BNA_M

ClientSampleId :

ICVBM052815

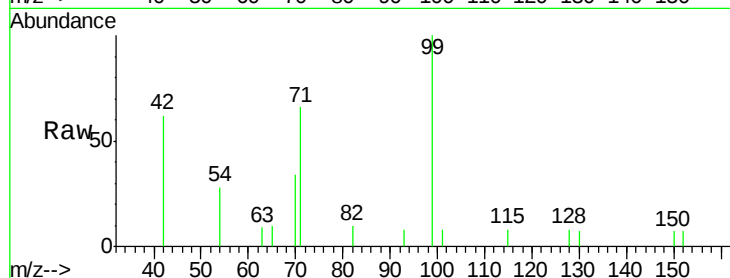
Tgt Ion: 99 Resp: 1747

Ion Ratio Lower Upper

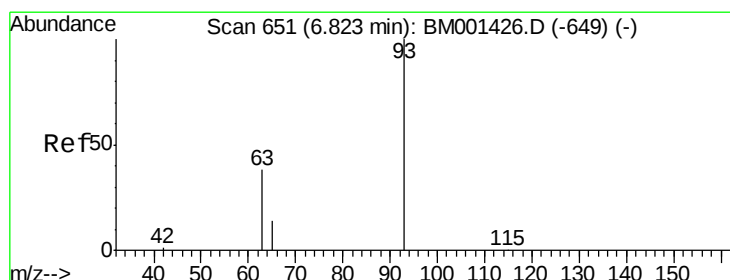
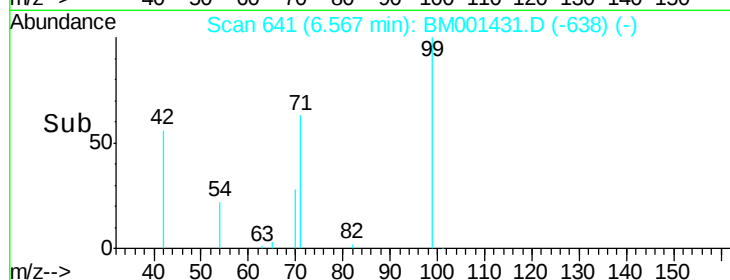
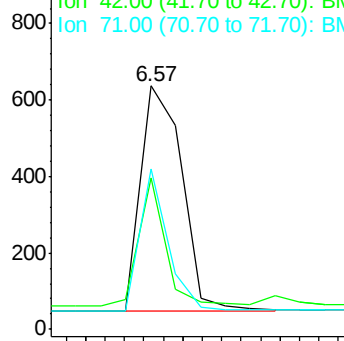
99 100

42 62.2 13.7 20.5#

71 66.1 19.8 29.6#



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



#4

bis(2-Chloroethyl)ether

Concen: 0.96 ng

RT: 6.82 min Scan# 651

Delta R.T. -0.00 min

Lab File: BM001431.D

Acq: 28 May 2015 15:35

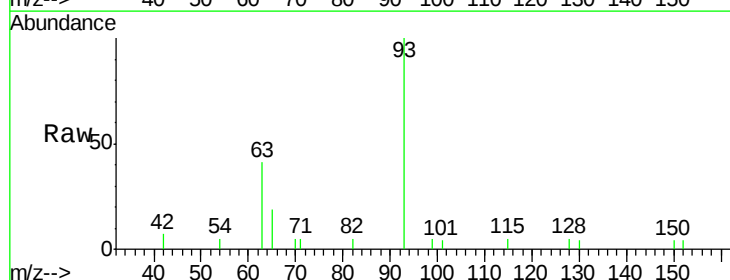
Tgt Ion: 93 Resp: 1851

Ion Ratio Lower Upper

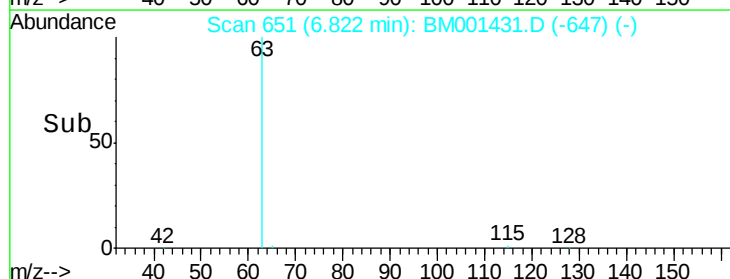
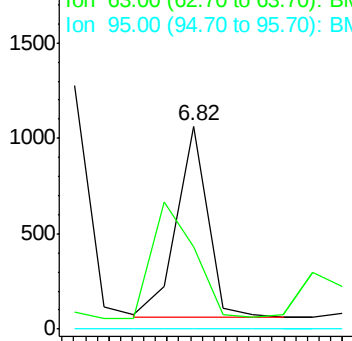
93 100

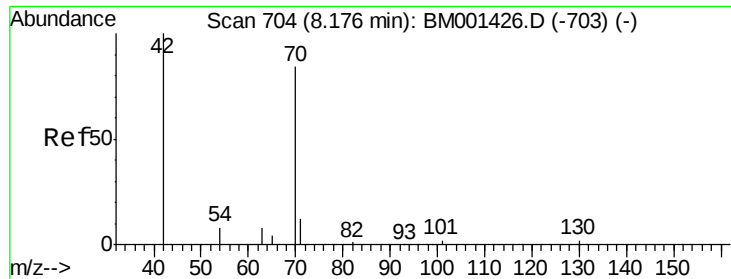
63 40.8 20.0 60.0

95 0.0 0.0 20.0



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





#5

n-Nitroso-di-n-propylamine

Concen: 0.94 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001431.D

Acq: 28 May 2015 15:35

Instrument :

BNA_M

ClientSampleId :

ICVBM052815

Tgt Ion: 70 Resp: 1177

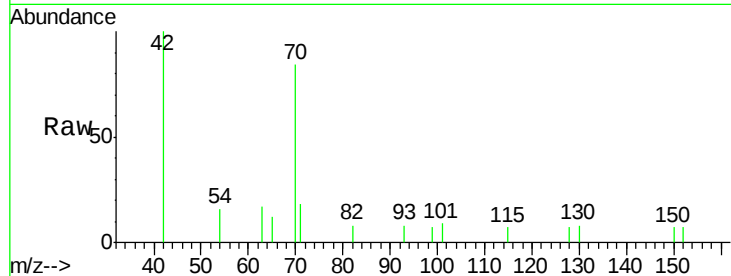
Ion Ratio Lower Upper

70 100

42 118.4 97.8 146.6

101 10.6 8.2 12.2

130 9.9 7.5 11.3

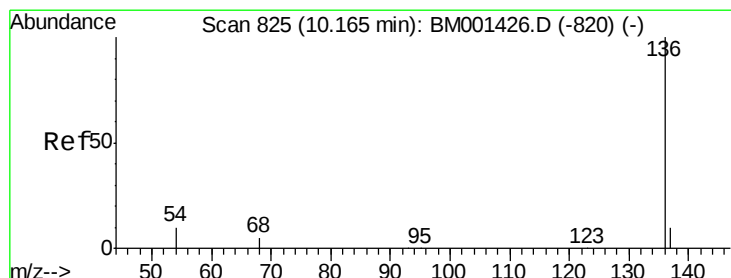
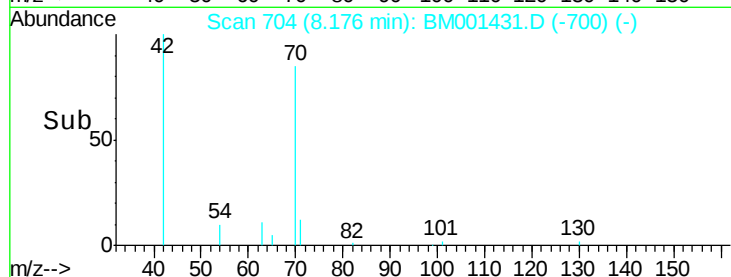
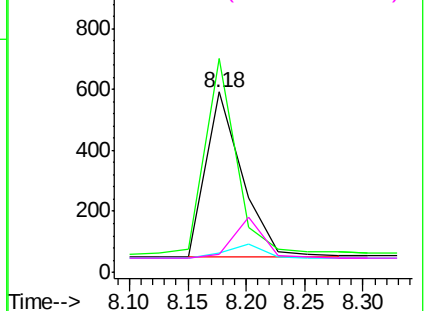


Abundance Ion 70.00 (69.70 to 70.70): BM0

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: BM001431.D

Acq: 28 May 2015 15:35

Tgt Ion: 136 Resp: 36916

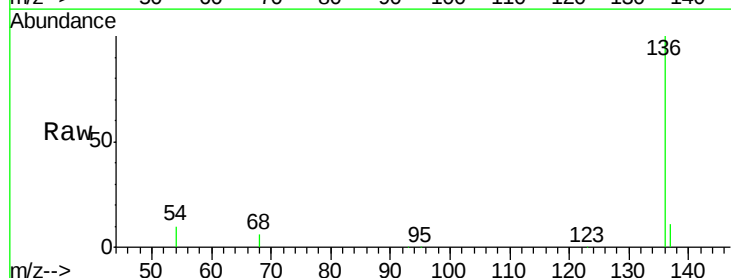
Ion Ratio Lower Upper

136 100

137 10.6 8.3 12.5

54 10.4 8.2 12.4

68 5.6 4.5 6.7

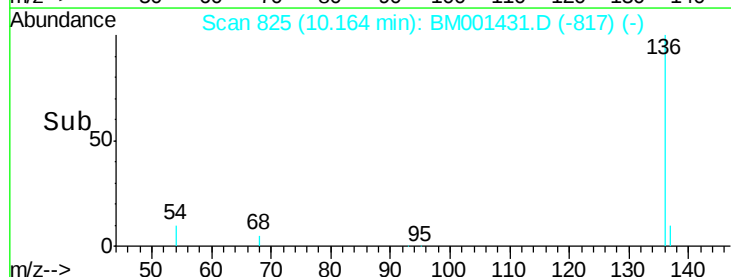
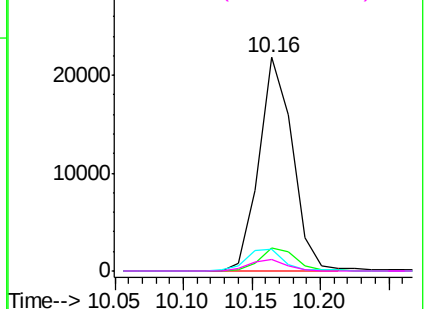


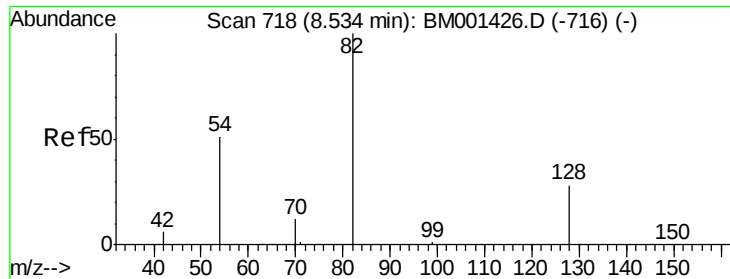
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.96 ng

RT: 8.53 min Scan# 718

Delta R.T. -0.00 min

Lab File: BM001431.D

Acq: 28 May 2015 15:35

Instrument :

BNA_M

ClientSampleId :

ICVBM052815

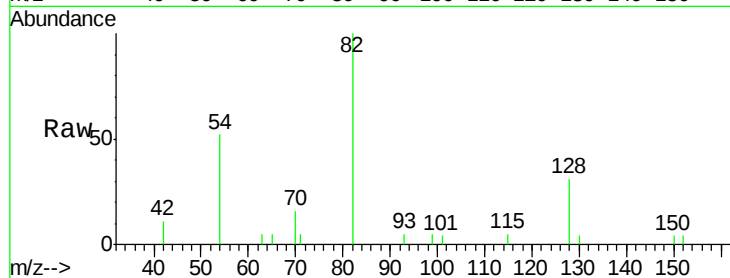
Tgt Ion: 82 Resp: 1887

Ion Ratio Lower Upper

82 100

128 31.0 24.4 36.6

54 52.3 42.3 63.5

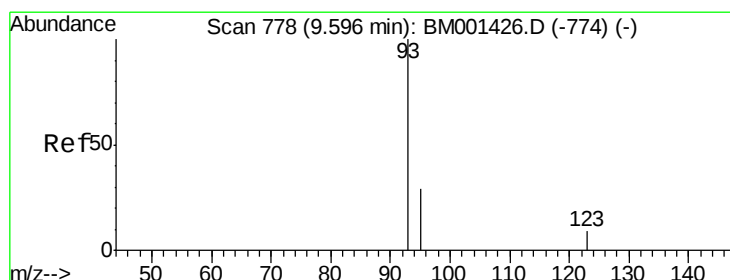
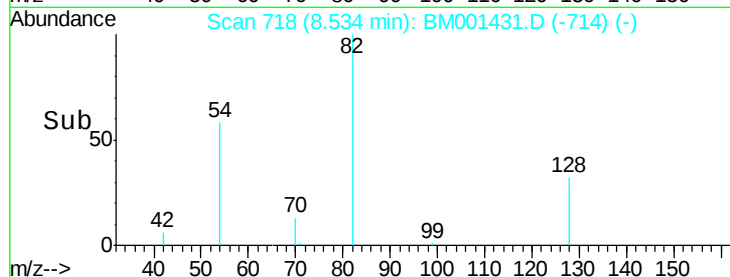


Abundance Ion 82.00 (81.70 to 82.70): BM001431.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BM001431.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BM001431.D (-714) (-)

Time-->



#8

bis(2-Chloroethoxy)methane

Concen: 0.90 ng

RT: 9.60 min Scan# 778

Delta R.T. -0.00 min

Lab File: BM001431.D

Acq: 28 May 2015 15:35

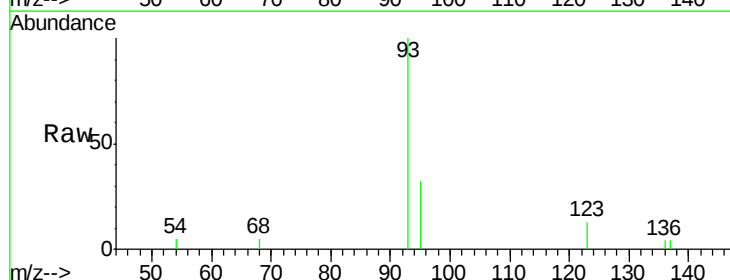
Tgt Ion: 93 Resp: 1954

Ion Ratio Lower Upper

93 100

95 32.2 25.3 37.9

123 13.5 10.2 15.2

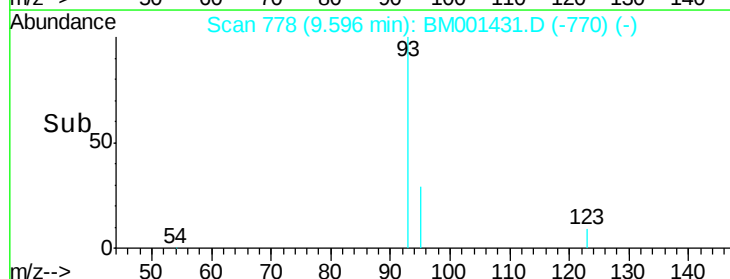


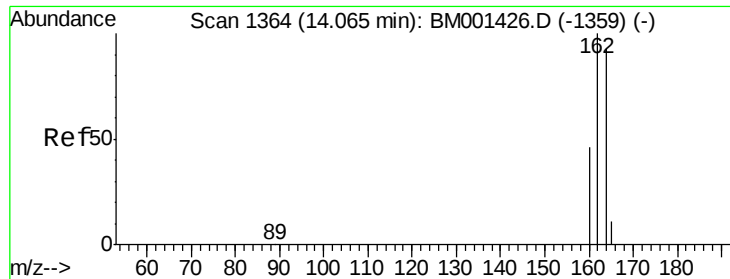
Abundance Ion 93.00 (92.70 to 93.70): BM001431.D (-770) (-)

Ion 95.00 (94.70 to 95.70): BM001431.D (-770) (-)

Ion 123.00 (122.70 to 123.70): BM001431.D (-770) (-)

Time-->





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1365

Delta R.T. 0.01 min

Lab File: BM001431.D

Acq: 28 May 2015 15:35

Instrument :

BNA_M

ClientSampleId :

ICVBM052815

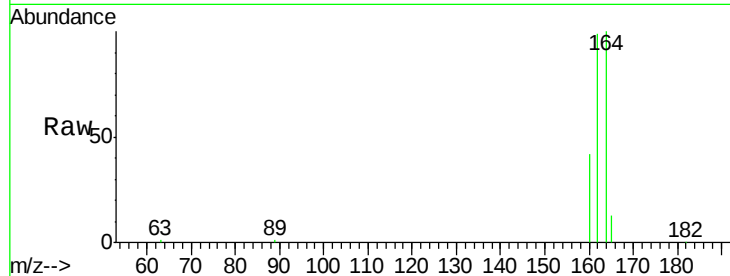
Tgt Ion:164 Resp: 22352

Ion Ratio Lower Upper

164 100

162 99.0 86.2 129.2

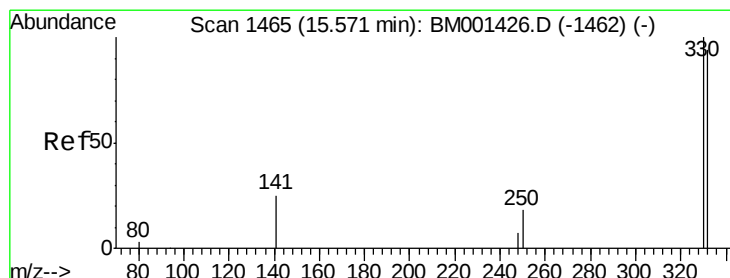
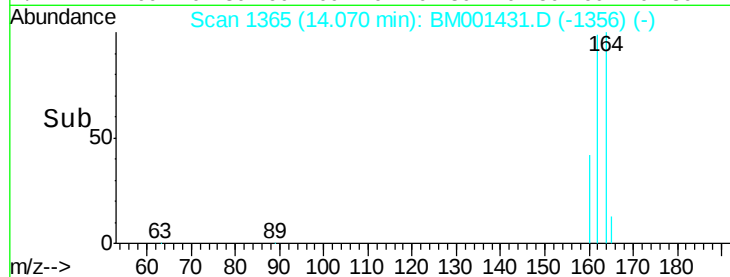
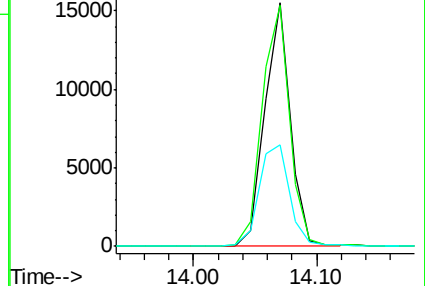
160 41.8 39.4 59.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#10

2,4,6-Tribromophenol

Concen: 0.91 ng

RT: 15.58 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BM001431.D

Acq: 28 May 2015 15:35

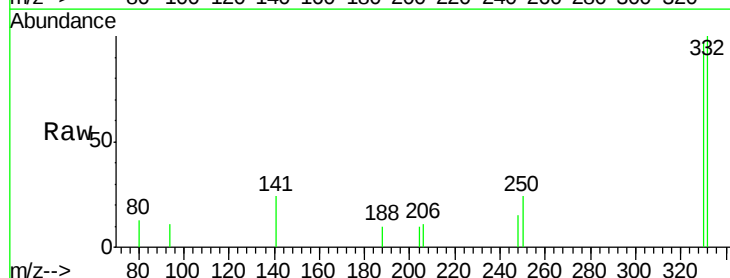
Tgt Ion:330 Resp: 648

Ion Ratio Lower Upper

330 100

332 96.3 76.3 114.5

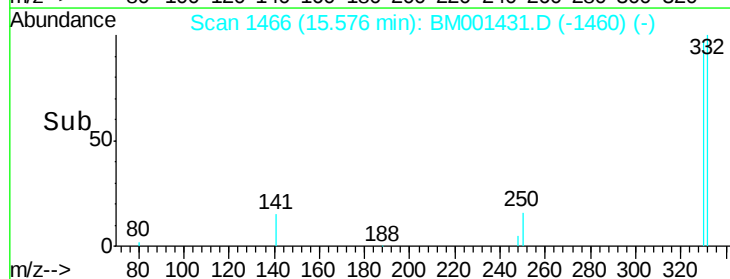
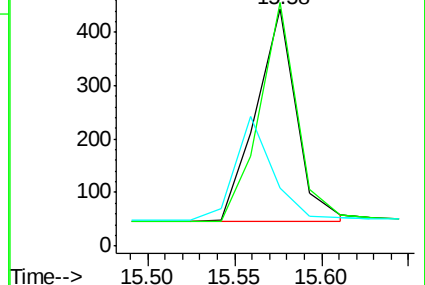
141 44.9 35.0 52.4

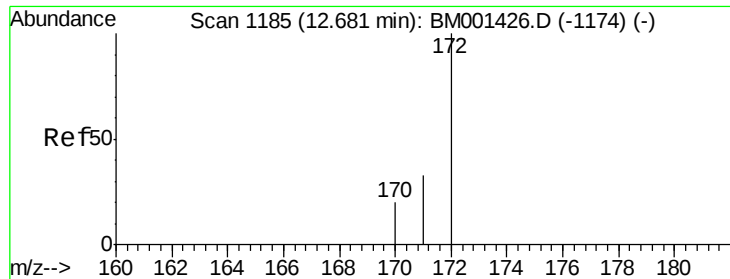


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

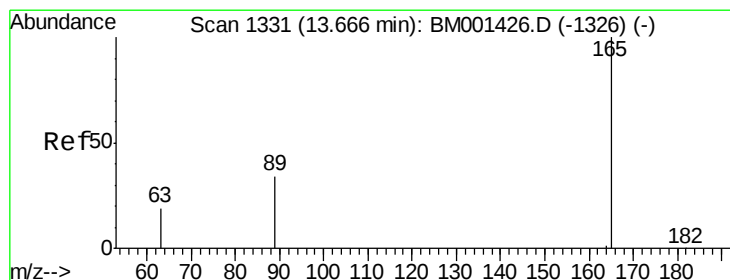
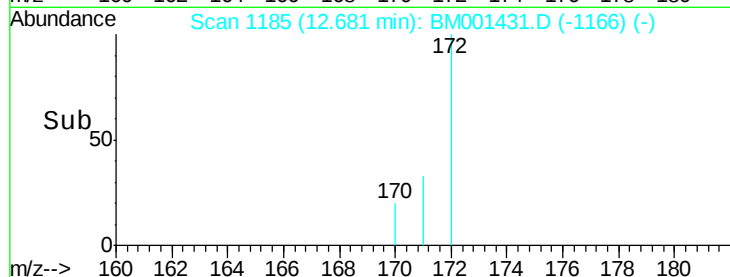
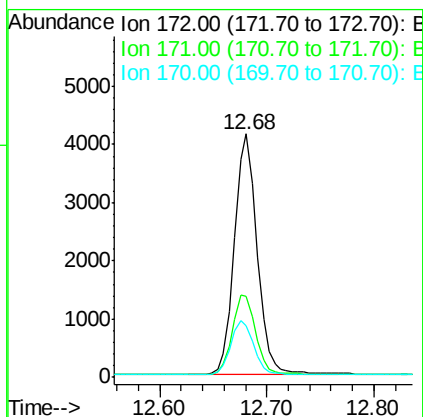
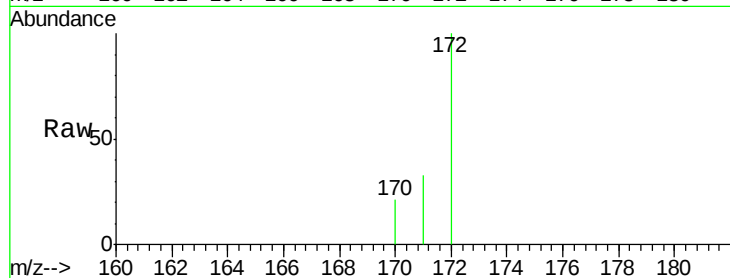




#11
2-Fluorobiphenyl
Concen: 0.99 ng
RT: 12.68 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BM001431.D
Acq: 28 May 2015 15:35

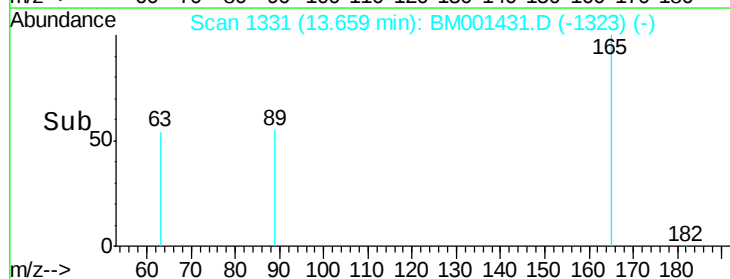
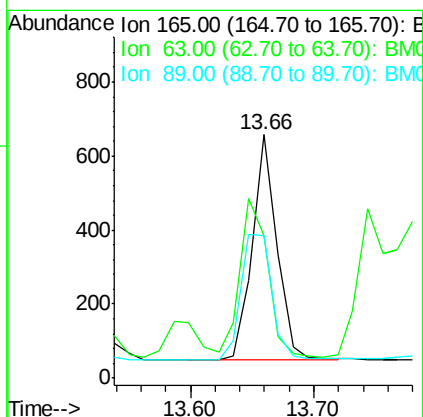
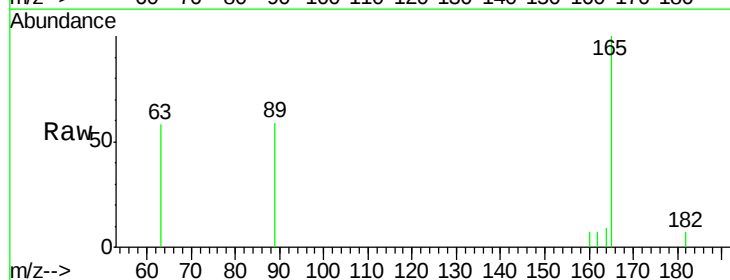
Instrument :
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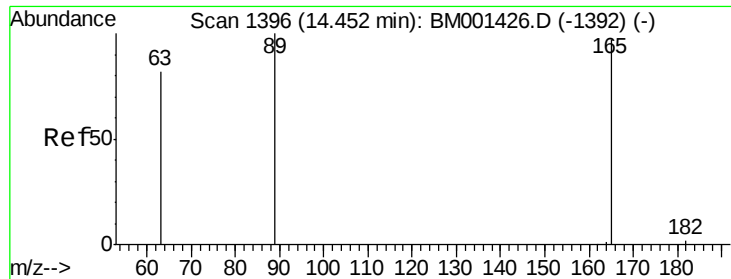
Tgt Ion:172 Resp: 6130
Ion Ratio Lower Upper
172 100
171 33.5 26.9 40.3
170 21.2 17.1 25.7



#12
2,6-Dinitrotoluene
Concen: 0.87 ng
RT: 13.66 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BM001431.D
Acq: 28 May 2015 15:35

Tgt Ion:165 Resp: 852
Ion Ratio Lower Upper
165 100
63 58.4 29.1 43.7#
89 58.5 32.1 48.1#

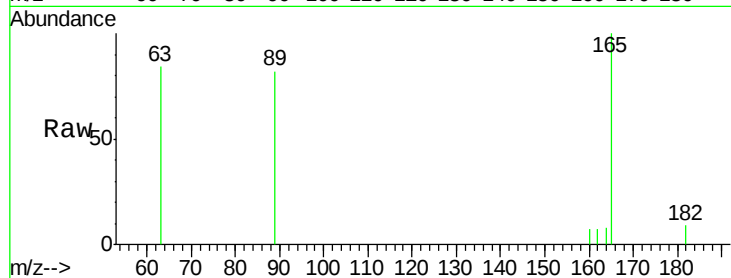




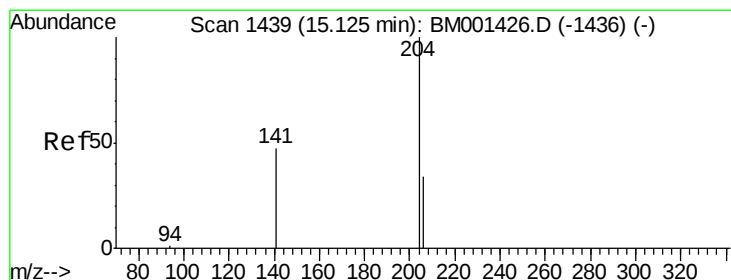
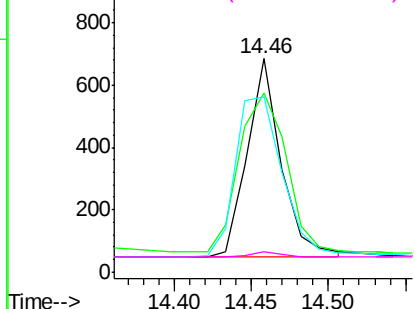
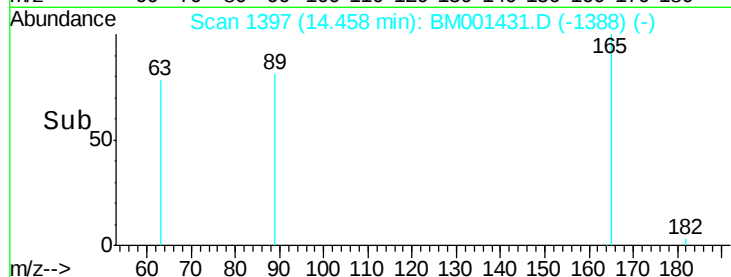
#13
 2,4-Dinitrotoluene
 Concen: 0.83 ng
 RT: 14.46 min Scan# 1397
 Delta R.T. 0.01 min
 Lab File: BM001431.D
 Acq: 28 May 2015 15:35

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM052815

Tgt Ion:165 Resp: 969
 Ion Ratio Lower Upper
 165 100
 63 83.6 70.6 105.8
 89 82.2 82.4 123.6#
 182 9.3 7.5 11.3

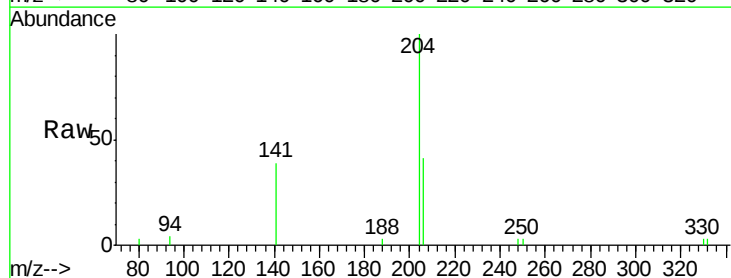


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BM
 Ion 89.00 (88.70 to 89.70): BM
 Ion 182.00 (181.70 to 182.70): E

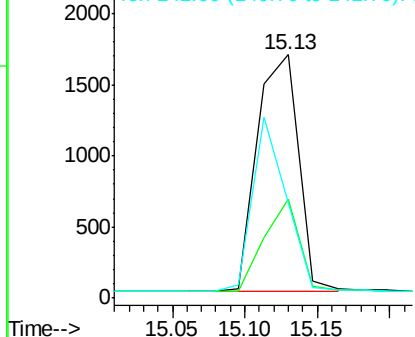
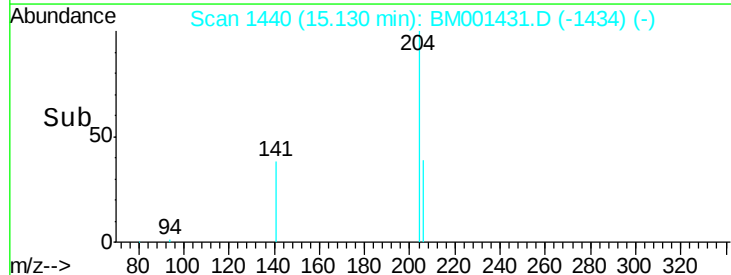


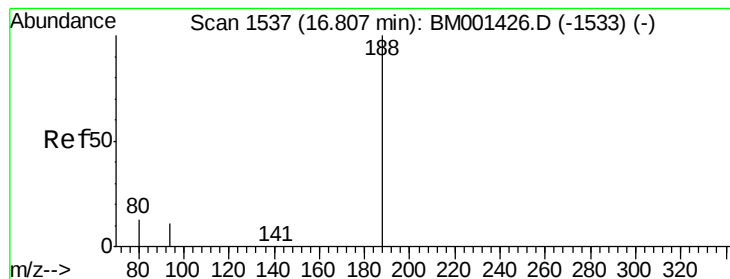
#14
 4-Chlorophenyl-phenylether
 Concen: 0.97 ng
 RT: 15.13 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BM001431.D
 Acq: 28 May 2015 15:35

Tgt Ion:204 Resp: 3337
 Ion Ratio Lower Upper
 204 100
 206 40.8 27.8 41.8
 141 39.3 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: BM001431.D

Acq: 28 May 2015 15:35

Instrument :

BNA_M

ClientSampleId :

ICVBM052815

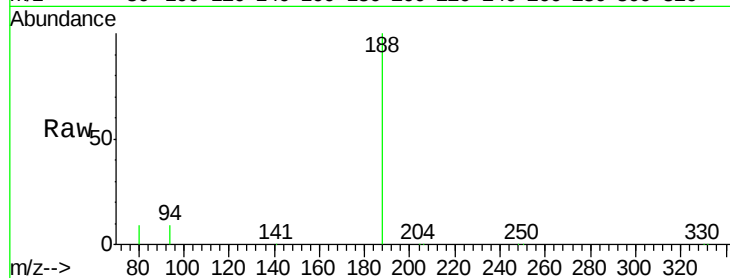
Tgt Ion:188 Resp: 52057

Ion Ratio Lower Upper

188 100

94 8.9 9.0 13.4#

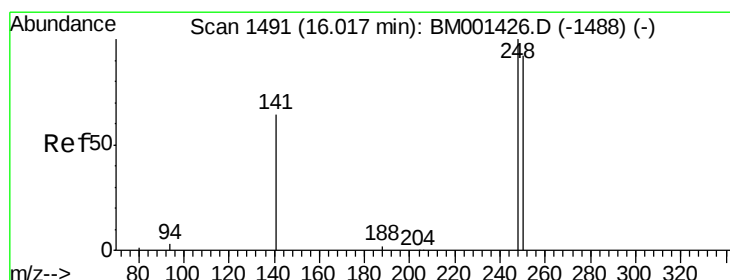
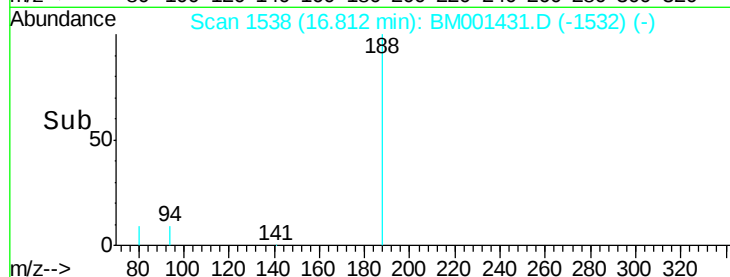
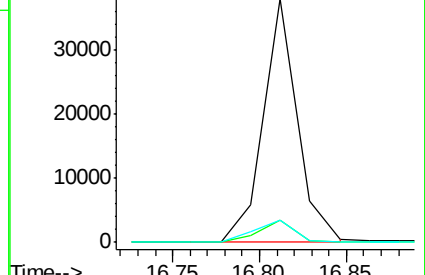
80 9.3 10.6 15.8#



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: 0.97 ng

RT: 16.02 min Scan# 1492

Delta R.T. 0.01 min

Lab File: BM001431.D

Acq: 28 May 2015 15:35

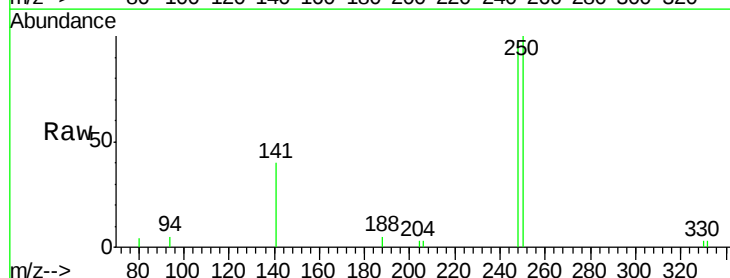
Tgt Ion:248 Resp: 2002

Ion Ratio Lower Upper

248 100

250 102.8 74.1 111.1

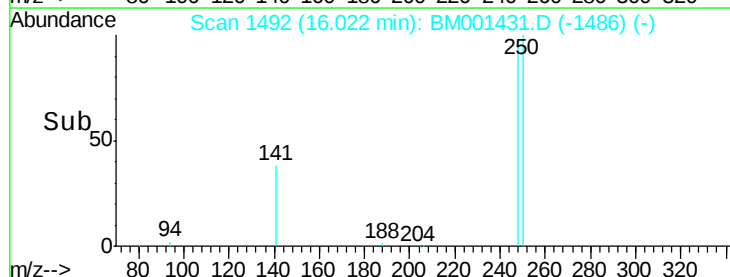
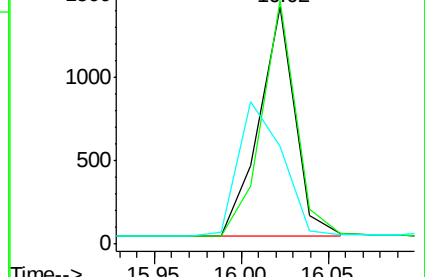
141 41.2 52.4 78.6#

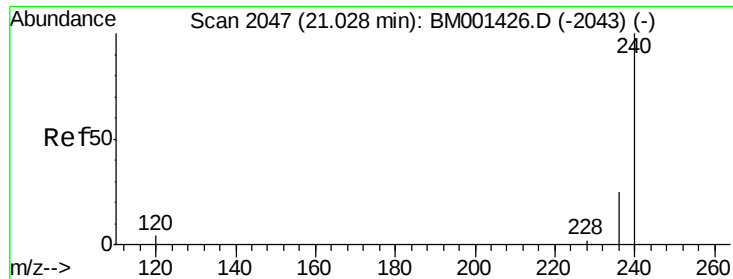


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

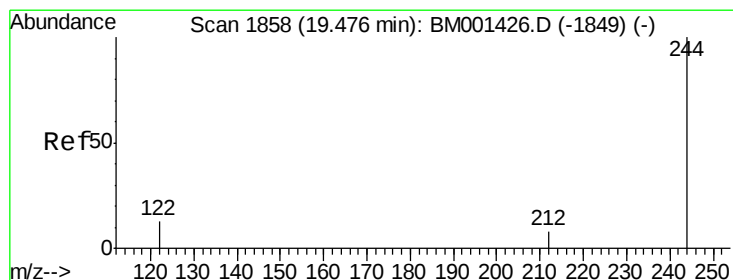
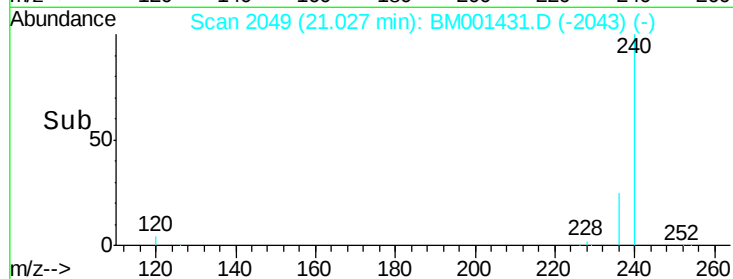
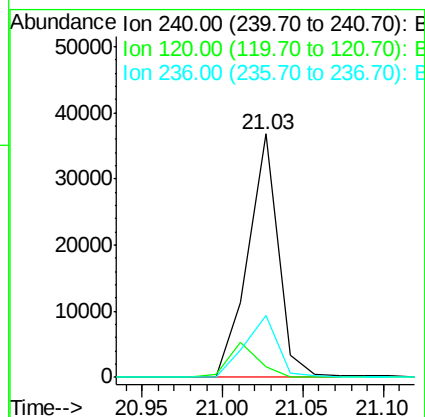
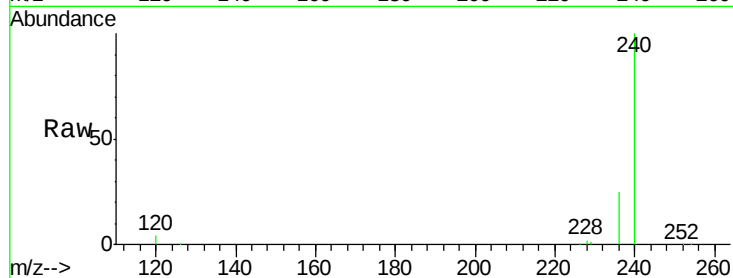




#17
Chrysene-d12
Concen: 5.00 ng
RT: 21.03 min Scan# 2049
Delta R.T. -0.00 min
Lab File: BM001431.D
Acq: 28 May 2015 15:35

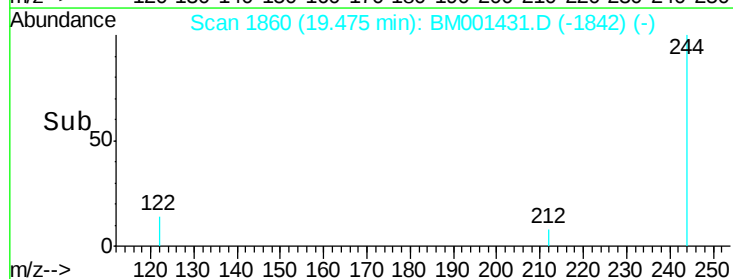
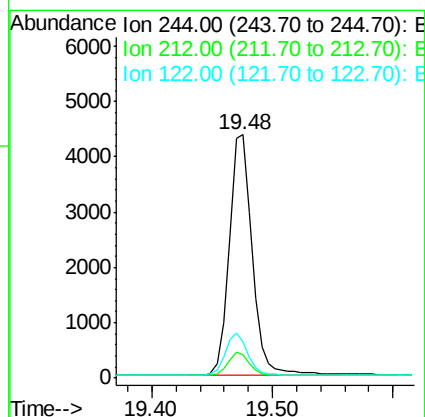
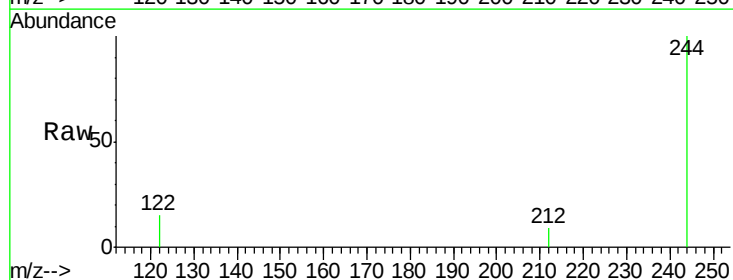
Instrument :
BNA_M
ClientSampleId :
ICVBM052815

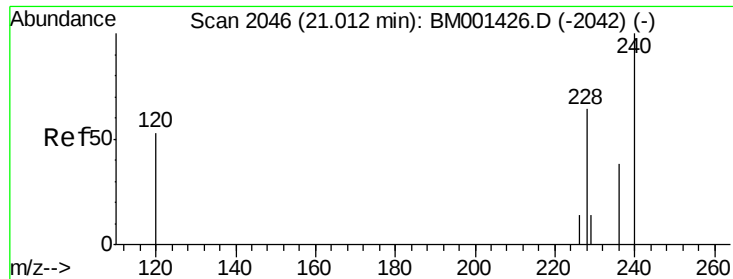
Tgt Ion:240 Resp: 48257
Ion Ratio Lower Upper
240 100
120 4.3 3.2 4.8
236 25.3 19.8 29.6



#18
Terphenyl-d14
Concen: 0.98 ng
RT: 19.48 min Scan# 1860
Delta R.T. -0.00 min
Lab File: BM001431.D
Acq: 28 May 2015 15:35

Tgt Ion:244 Resp: 5863
Ion Ratio Lower Upper
244 100
212 9.5 7.4 11.2
122 15.1 11.4 17.0





#19

Benzo(a)anthracene

Concen: 0.92 ng

RT: 21.01 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BM001431.D

Acq: 28 May 2015 15:35

Instrument :

BNA_M

ClientSampleId :

ICVBM052815

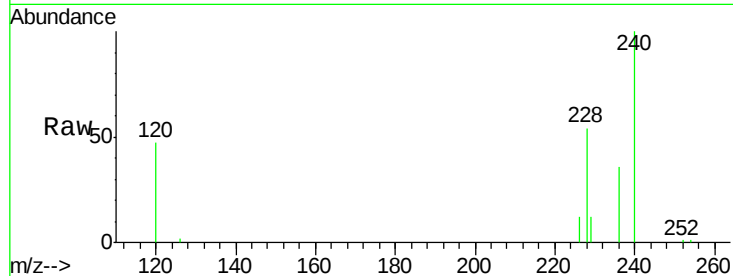
Tgt Ion:228 Resp: 11155

Ion Ratio Lower Upper

228 100

226 22.6 18.2 27.2

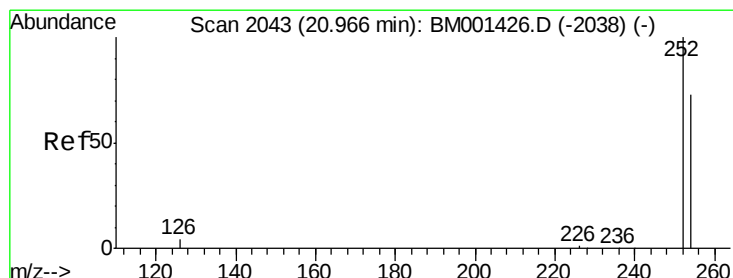
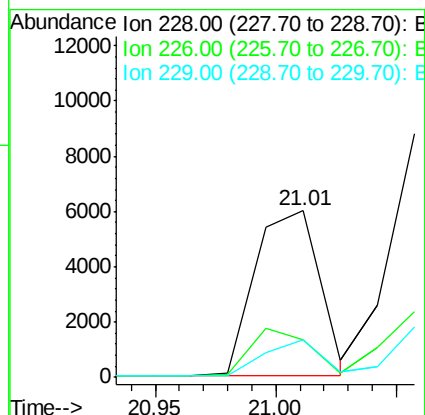
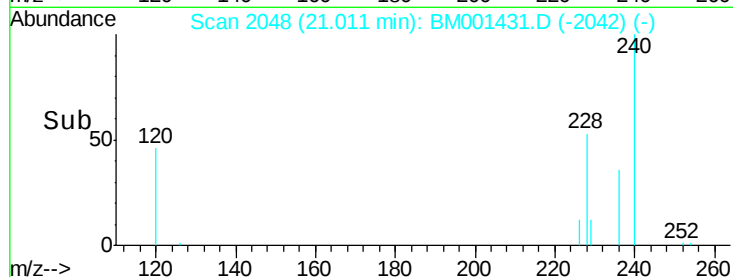
229 22.5 17.8 26.8



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: 0.90 ng

RT: 20.96 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BM001431.D

Acq: 28 May 2015 15:35

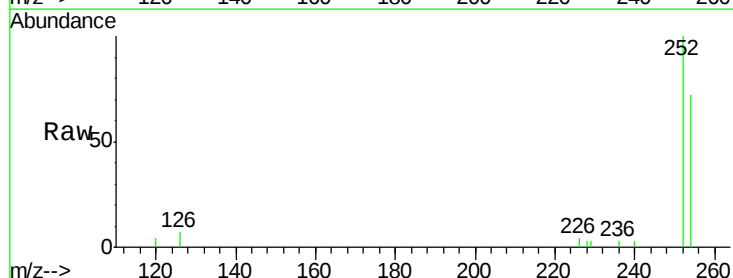
Tgt Ion:252 Resp: 2642

Ion Ratio Lower Upper

252 100

254 71.8 59.0 88.6

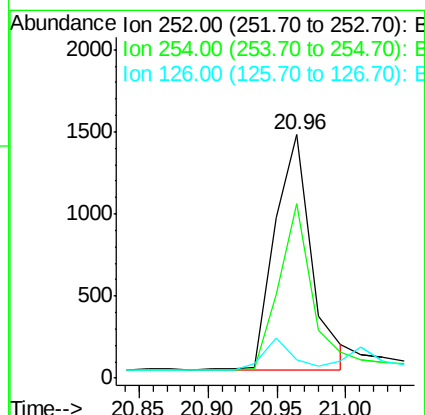
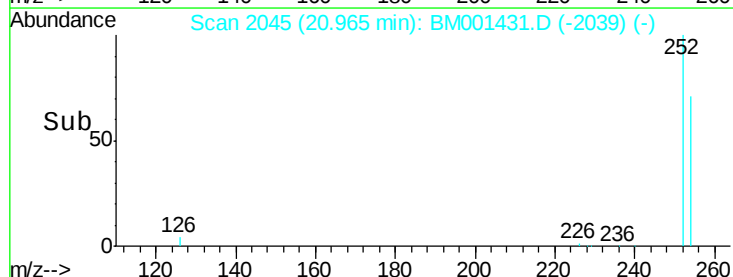
126 7.4 5.9 8.9

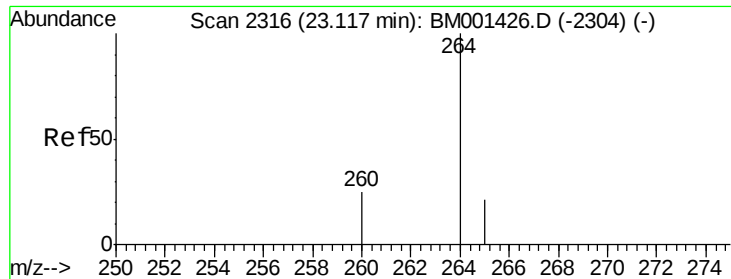


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM001431.D
Acq: 28 May 2015 15:35

Instrument :
BNA_M
ClientSampleId :
ICVBM052815

Tgt Ion: 264 Resp: 40883
Ion Ratio Lower Upper
264 100
260 25.6 20.1 30.1
265 21.4 17.3 25.9

