

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052815\
 Data File : BM001428.D
 Acq On : 28 May 2015 13:45
 Operator : TP/IZ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.5

Quant Time: May 28 15:27:18 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 15:25:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	10845	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	34296	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	20685	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	46031	5.00	ng	0.00
17) Chrysene-d12	21.02	240	45866	5.00	ng	0.00
21) Perylene-d12	23.12	264	39853	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.98	112	836	0.48	ng	0.00
3) Phenol-d6	6.59	99	843	0.48	ng	0.00
7) Nitrobenzene-d5	8.53	82	895	0.48	ng	0.00
10) 2,4,6-Tribromophenol	15.57	330	277	0.44	ng	0.00
11) 2-Fluorobiphenyl	12.68	172	2902	0.50	ng	0.00
18) Terphenyl-d14	19.48	244	2711	0.48	ng	0.00

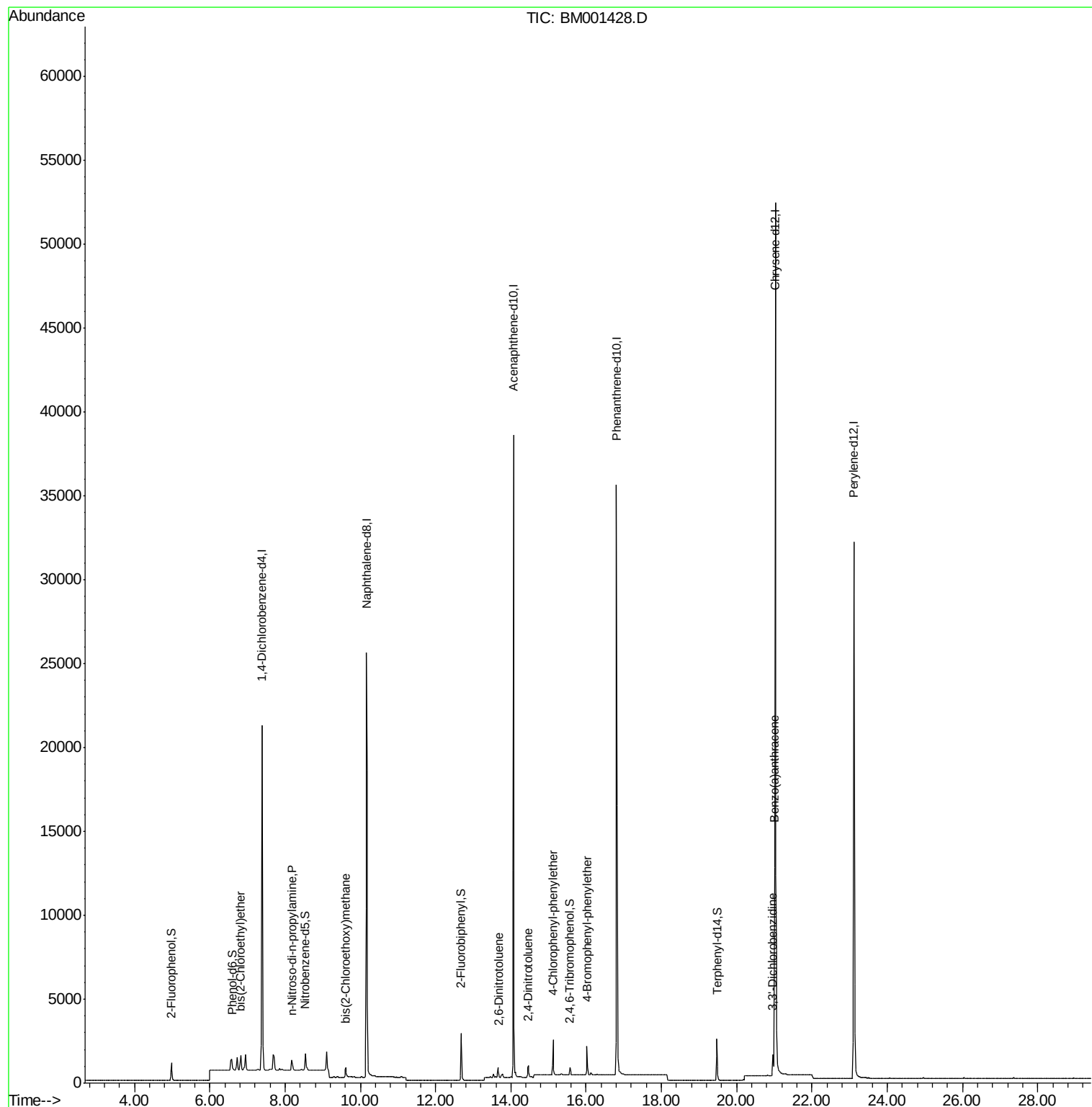
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.82	93	966	0.49	ng	90
5) n-Nitroso-di-n-propylamine	8.18	70	558	0.49	ng	# 92
8) bis(2-Chloroethoxy)methane	9.61	93	831	0.45	ng	# 81
12) 2,6-Dinitrotoluene	13.67	165	370	0.42	ng	# 83
13) 2,4-Dinitrotoluene	14.46	165	404	0.40	ng	# 85
14) 4-Chlorophenyl-phenylether	15.12	204	1609	0.51	ng	95
16) 4-Bromophenyl-phenylether	16.02	248	913	0.51	ng	97
19) Benzo(a)anthracene	21.01	228	5683	2.04	ng	94
20) 3,3'-Dichlorobenzidine	20.96	252	1138	0.39	ng	# 87

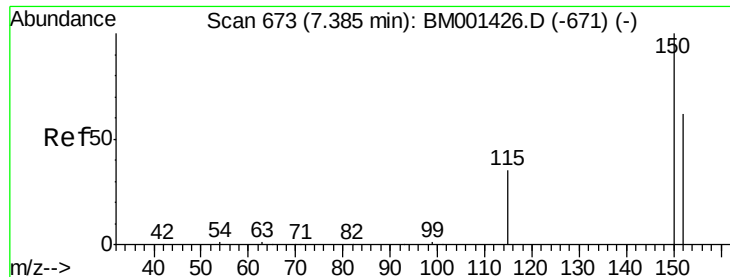
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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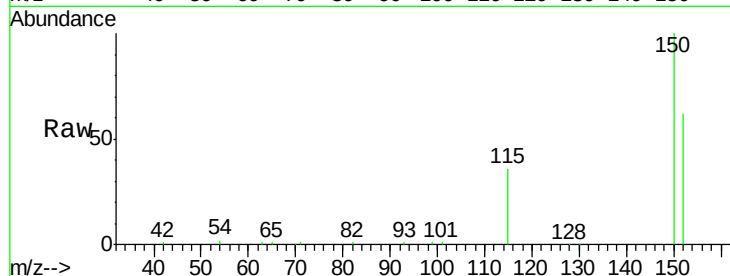


#1

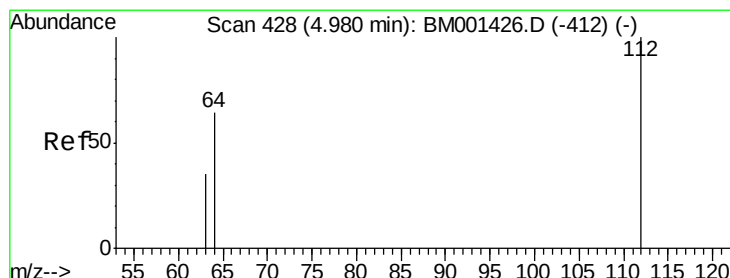
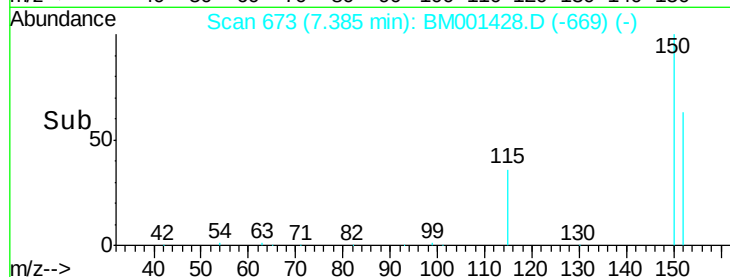
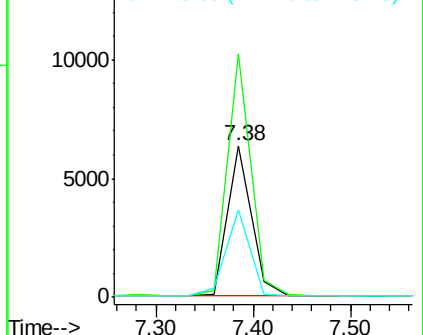
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.38 min Scan# 673
Delta R.T. 0.00 min
Lab File: BM001428.D
Acq: 28 May 2015 13:45

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.5

Tot Ion:152 Resp: 10845
Ion Ratio Lower Upper
152 100
150 160.3 128.4 192.6
115 57.6 45.6 68.4



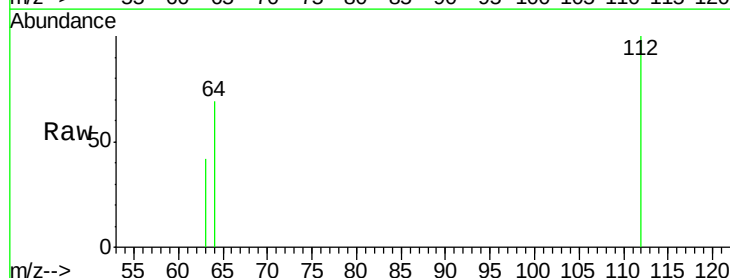
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



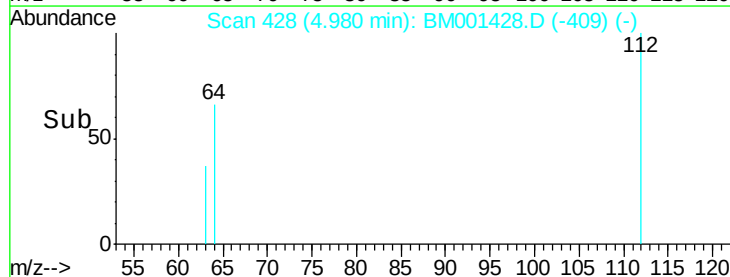
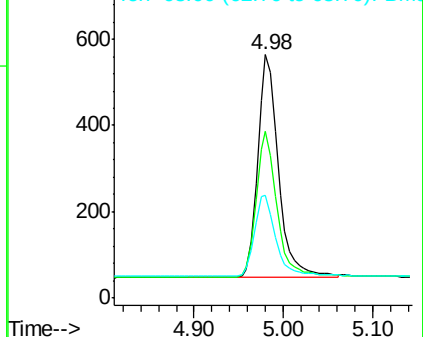
#2

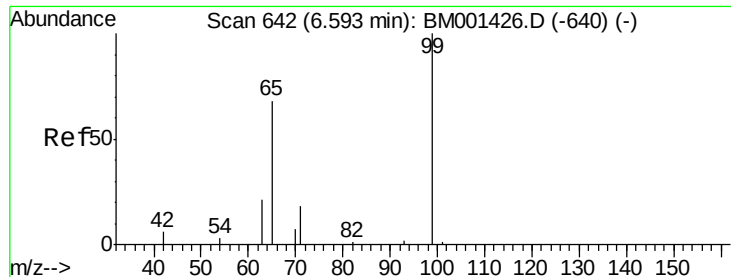
2-Fluorophenol
Concen: 0.48 ng
RT: 4.98 min Scan# 428
Delta R.T. 0.00 min
Lab File: BM001428.D
Acq: 28 May 2015 13:45

Tgt Ion:112 Resp: 836
Ion Ratio Lower Upper
112 100
64 68.6 52.1 78.1
63 42.4 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: 0.48 ng

RT: 6.59 min Scan# 642

Delta R.T. 0.00 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

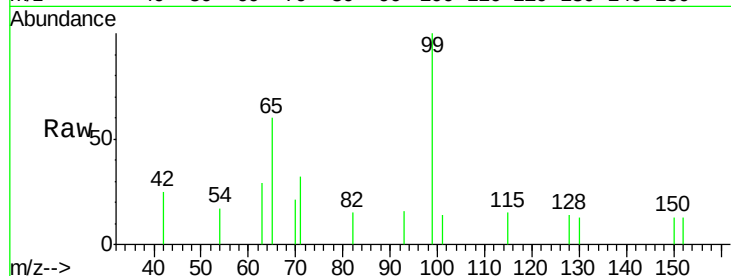
Tot Ion: 99 Resp: 843

Ion Ratio Lower Upper

99 100

42 25.4 13.7 20.5#

71 31.9 19.8 29.6#

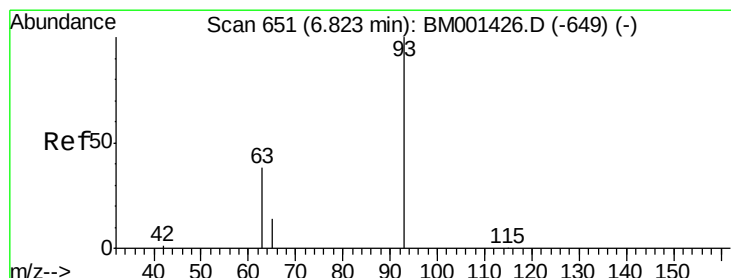
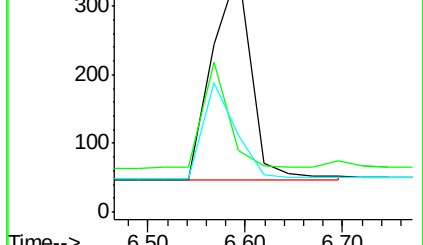
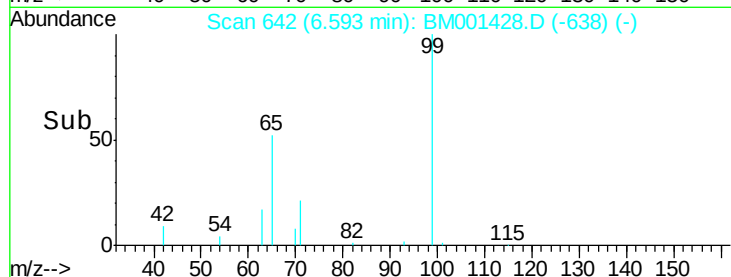


Abundance Ion 99.00 (98.70 to 99.70): BM001426.D (-640) (-)

Ion 42.00 (41.70 to 42.70): BM001426.D (-640) (-)

Ion 71.00 (70.70 to 71.70): BM001426.D (-640) (-)

Time-->



#4

bis(2-Chloroethyl)ether

Concen: 0.49 ng

RT: 6.82 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

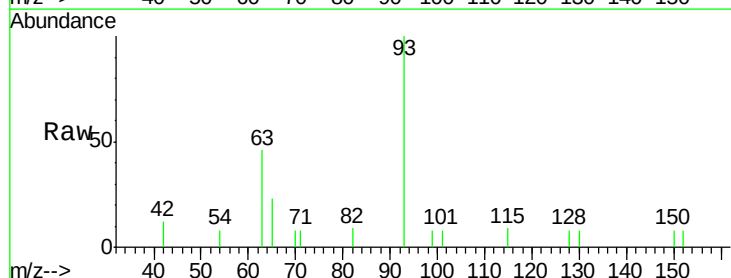
Tgt Ion: 93 Resp: 966

Ion Ratio Lower Upper

93 100

63 45.9 20.0 60.0

95 0.0 0.0 20.0

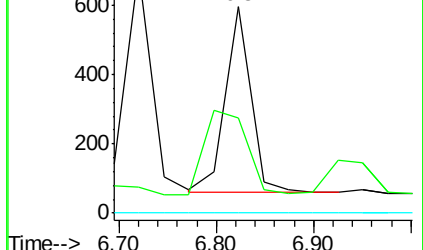
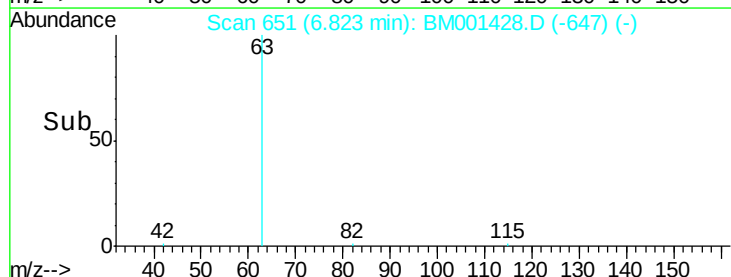


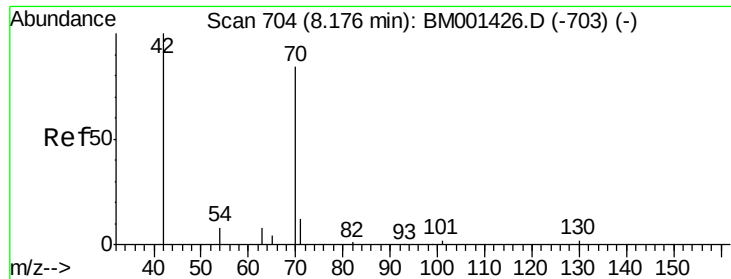
Abundance Ion 93.00 (92.70 to 93.70): BM001426.D (-649) (-)

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

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

Time-->





#5

n-Nitroso-di-n-propylamine

Concen: 0.49 ng

RT: 8.18 min Scan# 704

Delta R.T. 0.00 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

Tot Ion: 70 Resp: 558

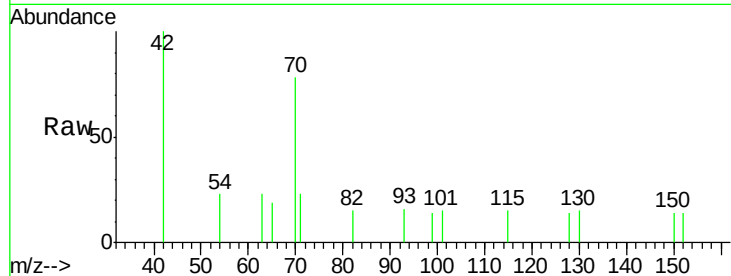
Ion Ratio Lower Upper

70 100

42 128.0 97.8 146.6

101 19.4 8.2 12.2#

130 19.0 7.5 11.3#

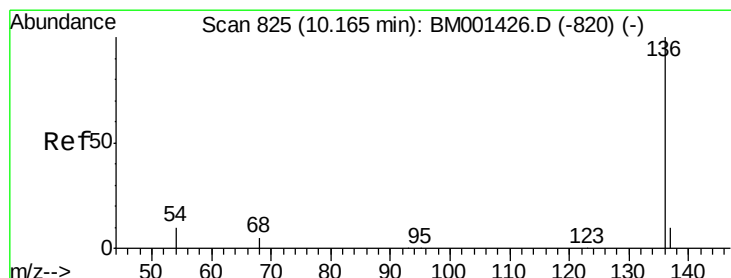
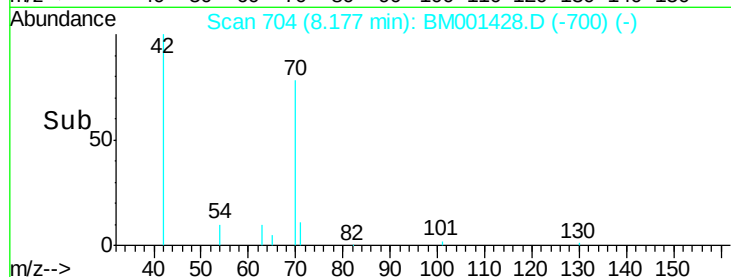
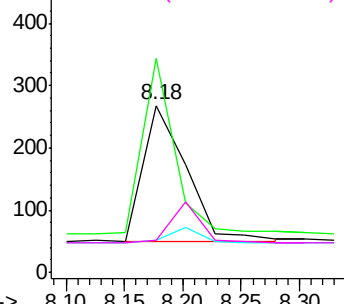


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.16 min Scan# 825

Delta R.T. 0.00 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

Tgt Ion: 136 Resp: 34296

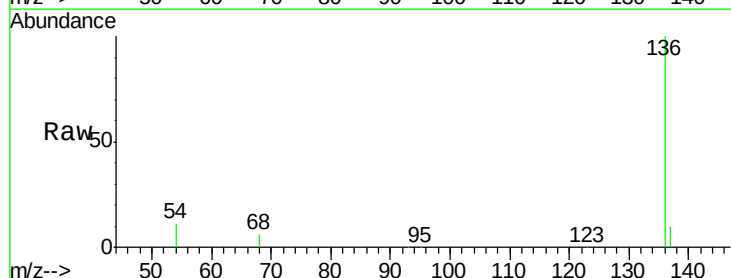
Ion Ratio Lower Upper

136 100

137 10.5 8.3 12.5

54 11.0 8.2 12.4

68 5.8 4.5 6.7

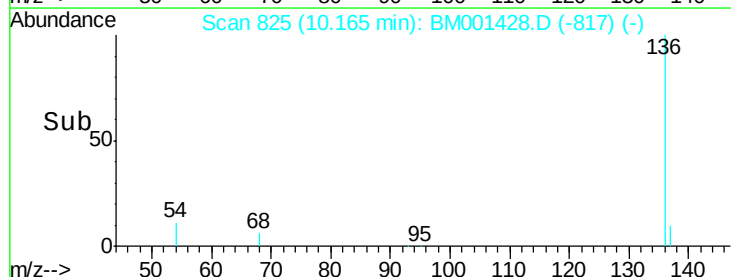
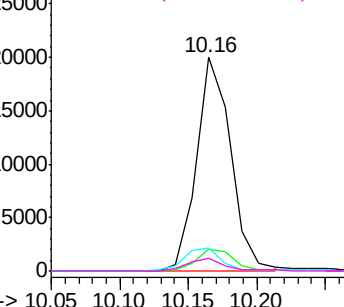


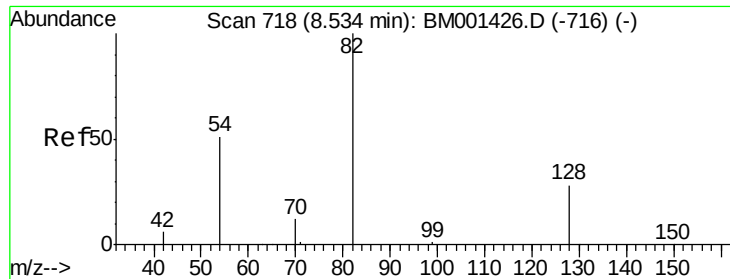
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.48 ng

RT: 8.53 min Scan# 718

Delta R.T. 0.00 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

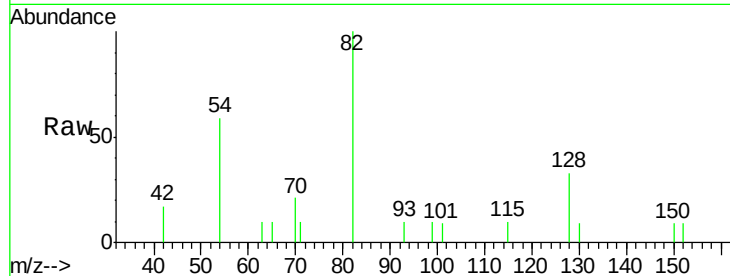
Tot Ion: 82 Resp: 895

Ion Ratio Lower Upper

82 100

128 32.7 24.4 36.6

54 59.4 42.3 63.5

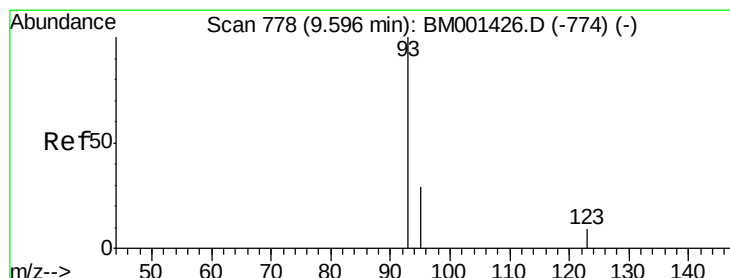
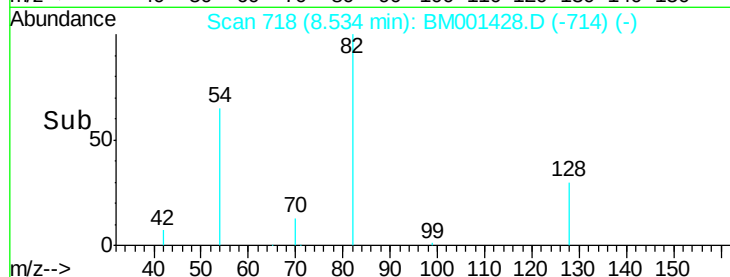


Abundance Ion 82.00 (81.70 to 82.70): BM001428.D (-716) (-)

Ion 128.00 (127.70 to 128.70): BM001428.D (-716) (-)

Ion 54.00 (53.70 to 54.70): BM001428.D (-716) (-)

Time-->



#8

bis(2-Chloroethoxy)methane

Concen: 0.45 ng

RT: 9.61 min Scan# 779

Delta R.T. 0.01 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

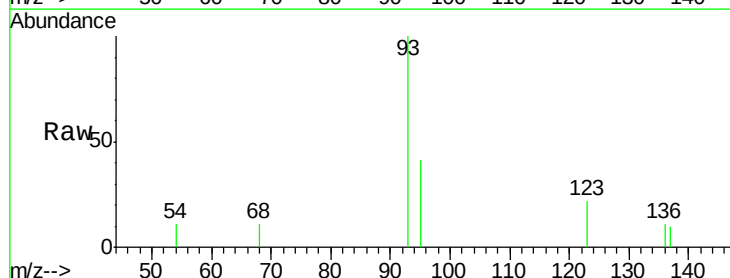
Tgt Ion: 93 Resp: 831

Ion Ratio Lower Upper

93 100

95 41.2 25.3 37.9#

123 22.3 10.2 15.2#

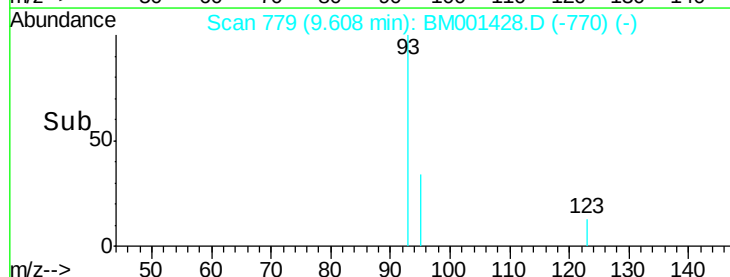


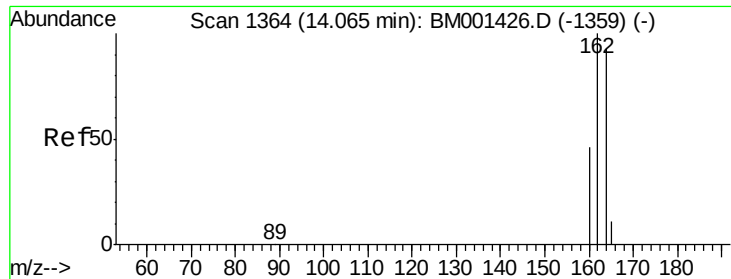
Abundance Ion 93.00 (92.70 to 93.70): BM001428.D (-770) (-)

Ion 95.00 (94.70 to 95.70): BM001428.D (-770) (-)

Ion 123.00 (122.70 to 123.70): BM001428.D (-770) (-)

Time-->





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

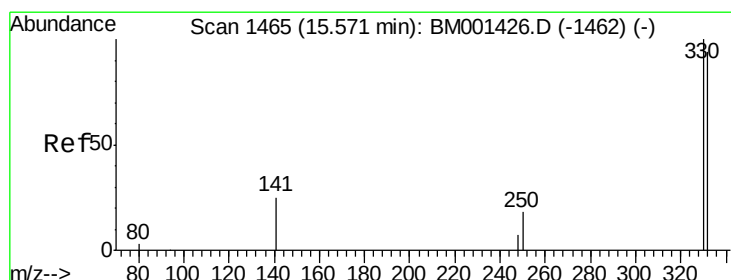
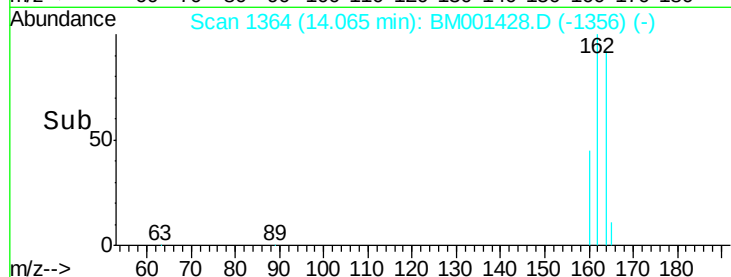
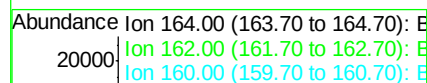
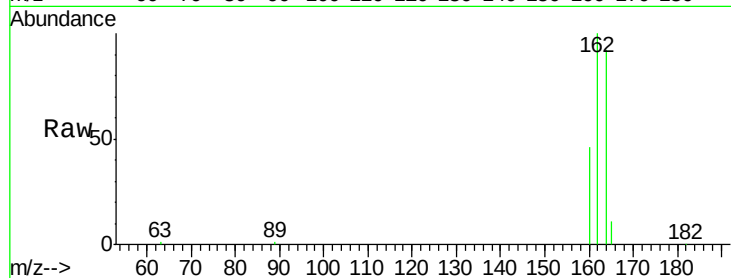
Tot Ion:164 Resp: 20685

Ion Ratio Lower Upper

164 100

162 108.4 86.2 129.2

160 49.4 39.4 59.2



#10

2,4,6-Tribromophenol

Concen: 0.44 ng

RT: 15.57 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

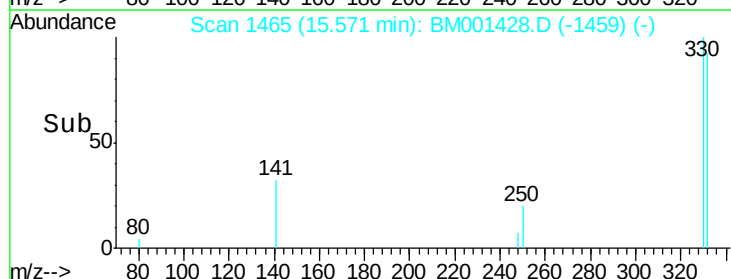
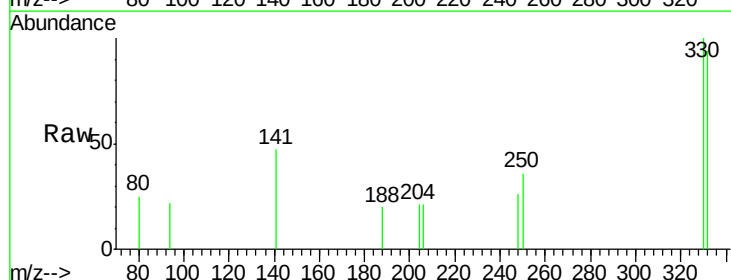
Tgt Ion:330 Resp: 277

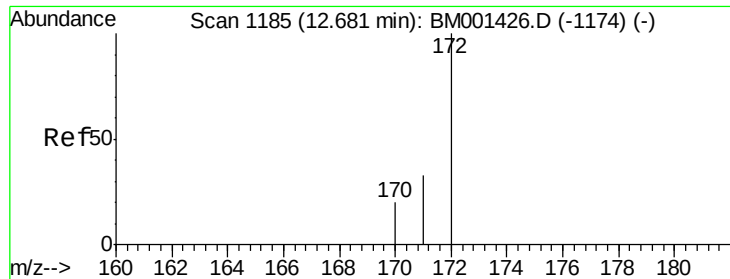
Ion Ratio Lower Upper

330 100

332 98.6 76.3 114.5

141 45.8 35.0 52.4

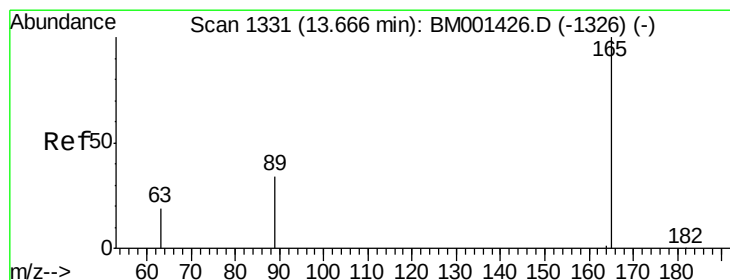
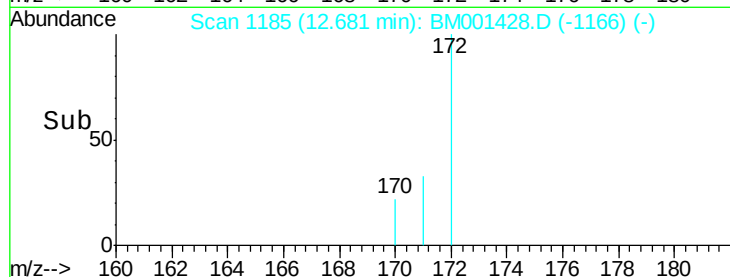
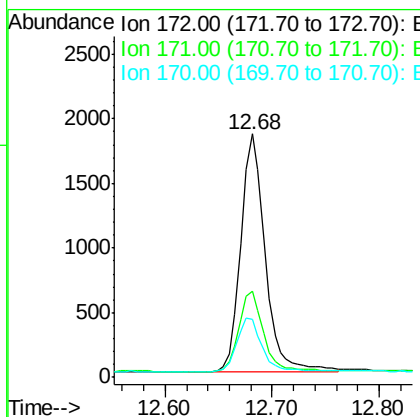
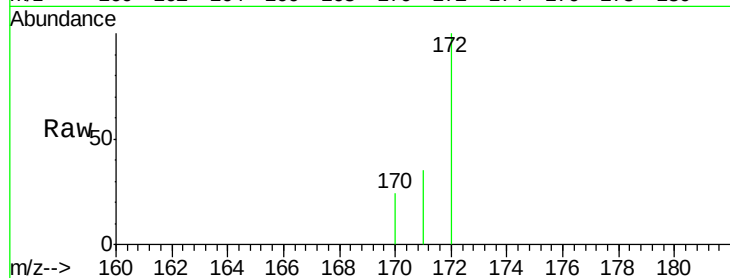




#11
2-Fluorobiphenyl
Concen: 0.50 ng
RT: 12.68 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BM001428.D
Acq: 28 May 2015 13:45

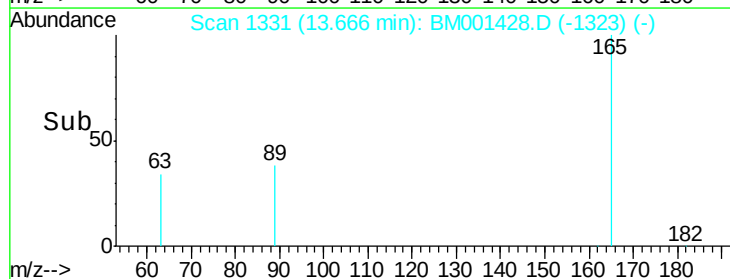
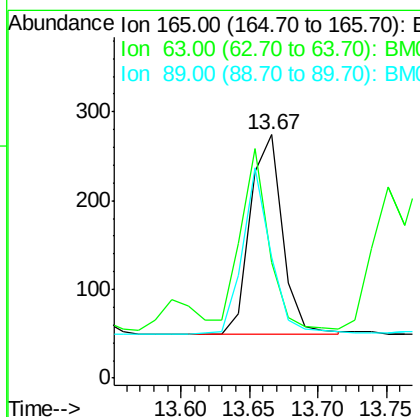
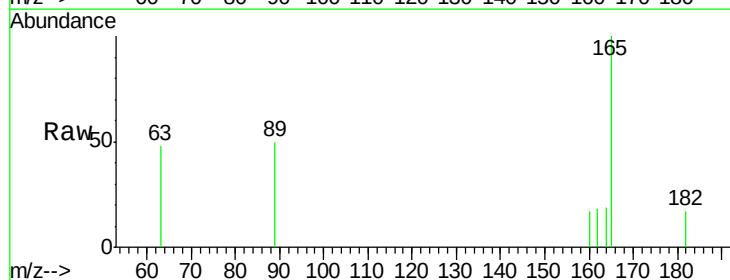
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.5

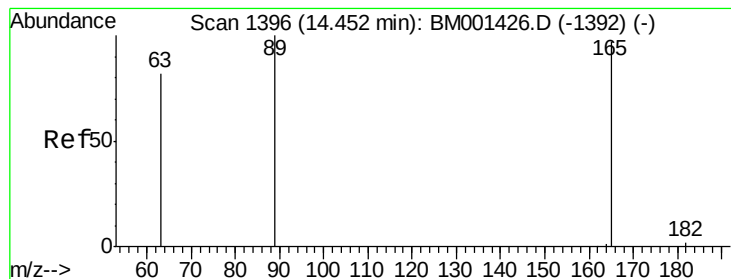
Tot Ion:172 Resp: 2902
Ion Ratio Lower Upper
172 100
171 35.3 26.9 40.3
170 23.9 17.1 25.7



#12
2,6-Dinitrotoluene
Concen: 0.42 ng
RT: 13.67 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BM001428.D
Acq: 28 May 2015 13:45

Tgt Ion:165 Resp: 370
Ion Ratio Lower Upper
165 100
63 47.8 29.1 43.7#
89 49.6 32.1 48.1#





#13

2,4-Dinitrotoluene

Concen: 0.40 ng

RT: 14.46 min Scan# 1397

Delta R.T. 0.01 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

Tot Ion:165 Resp: 404

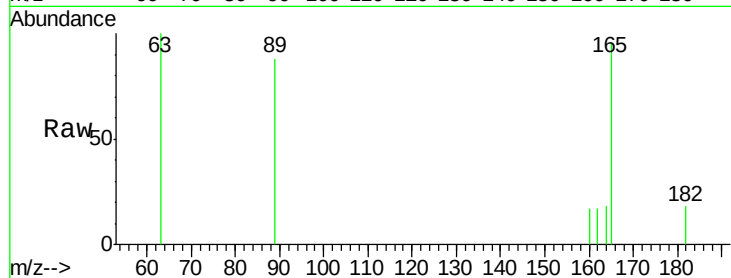
Ion Ratio Lower Upper

165 100

63 104.0 70.6 105.8

89 91.0 82.4 123.6

182 19.1 7.5 11.3#

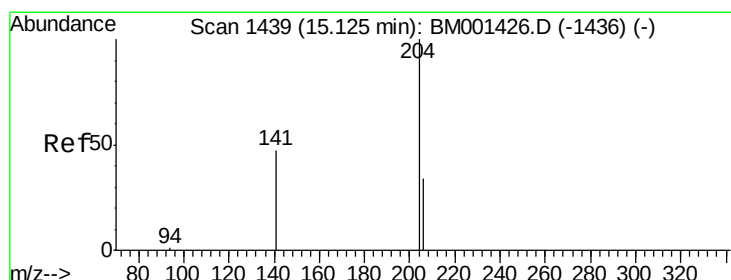
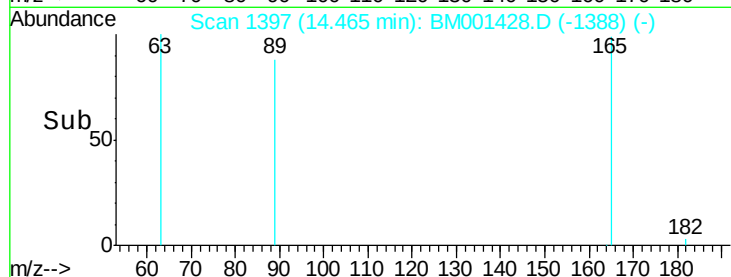
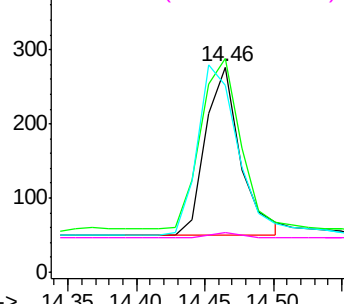


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.51 ng

RT: 15.12 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

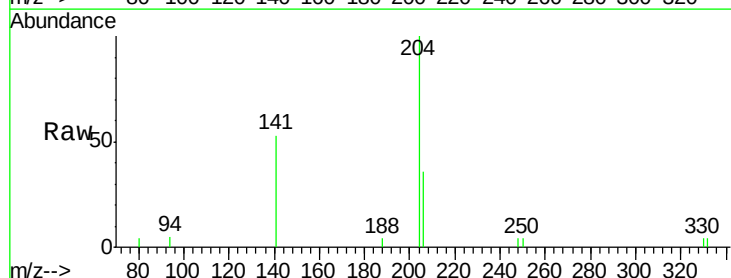
Tgt Ion:204 Resp: 1609

Ion Ratio Lower Upper

204 100

206 36.2 27.8 41.8

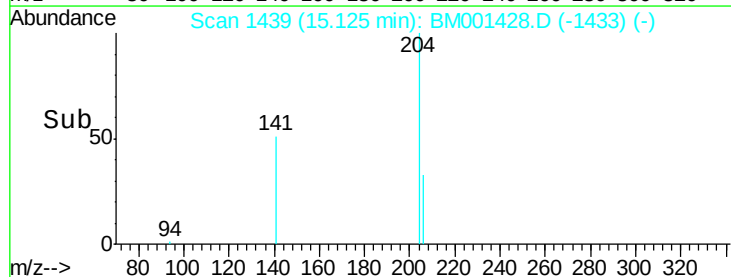
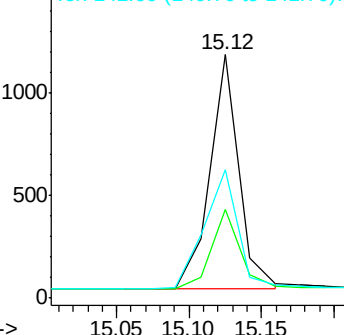
141 52.6 38.2 57.4

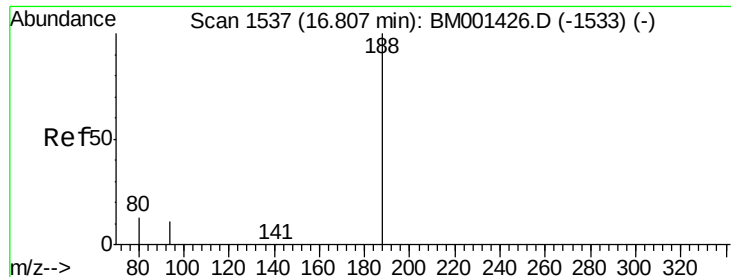


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.81 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

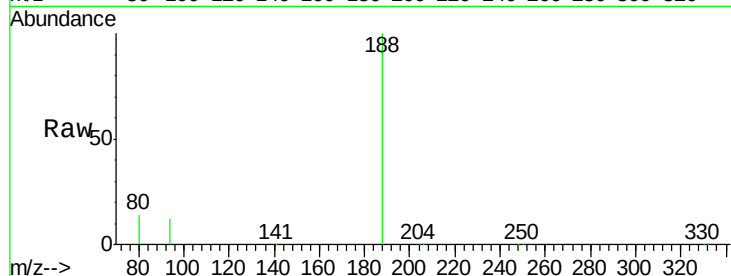
Tot Ion:188 Resp: 46031

Ion Ratio Lower Upper

188 100

94 11.6 9.0 13.4

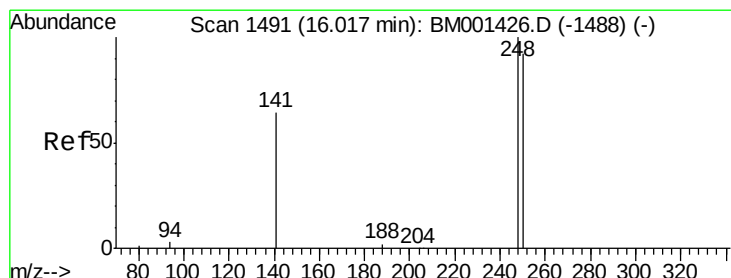
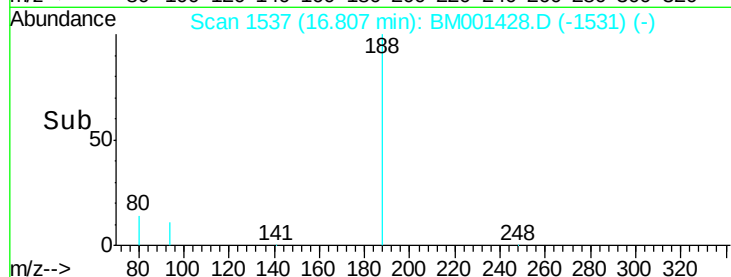
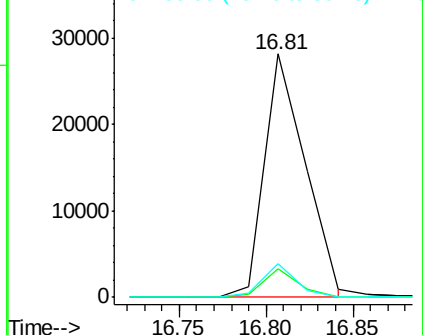
80 13.7 10.6 15.8



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: 0.51 ng

RT: 16.02 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

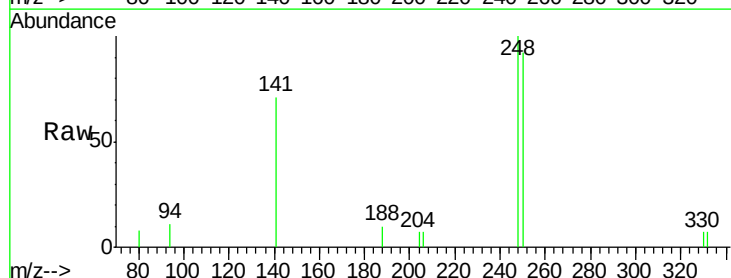
Tgt Ion:248 Resp: 913

Ion Ratio Lower Upper

248 100

250 91.6 74.1 111.1

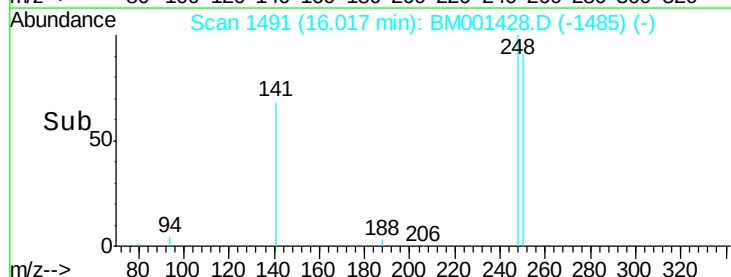
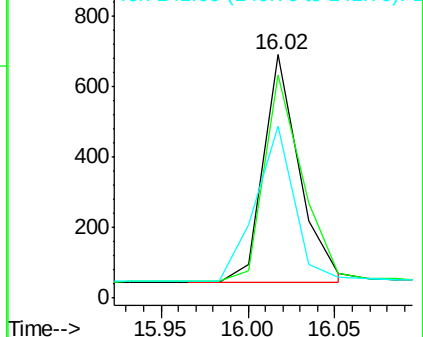
141 70.7 52.4 78.6

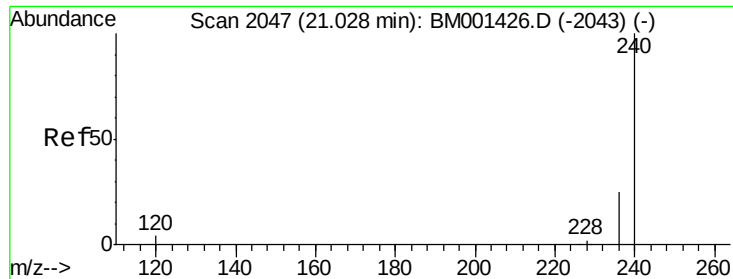


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

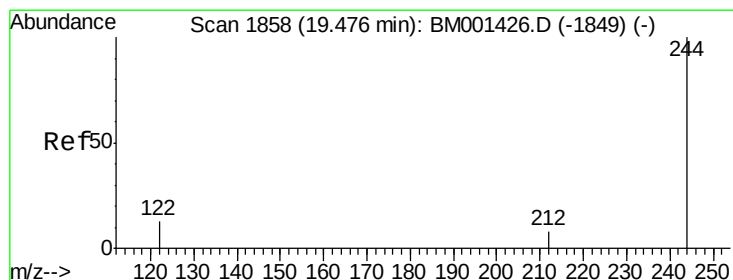
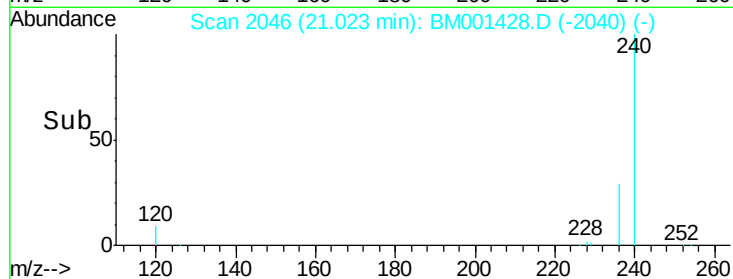
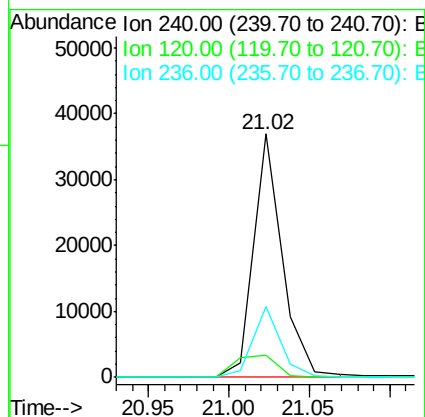
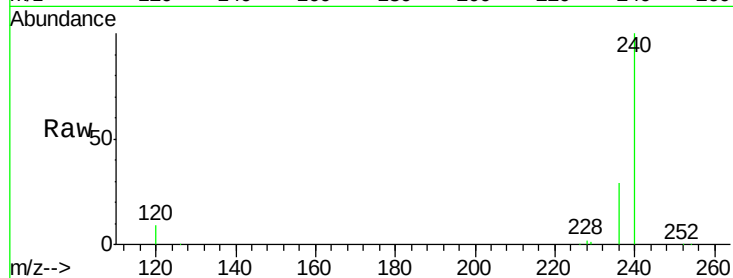




#17
Chrysene-d12
Concen: 5.00 ng
RT: 21.02 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BM001428.D
Acq: 28 May 2015 13:45

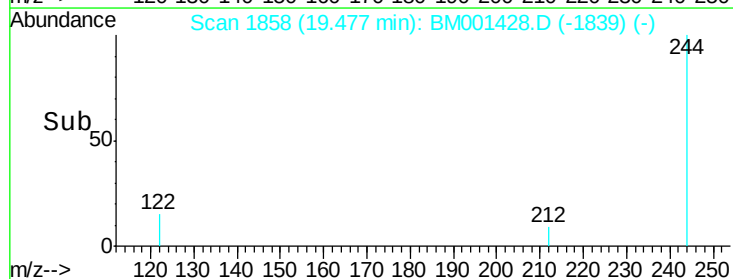
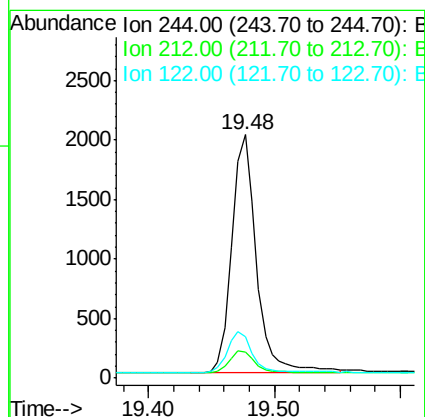
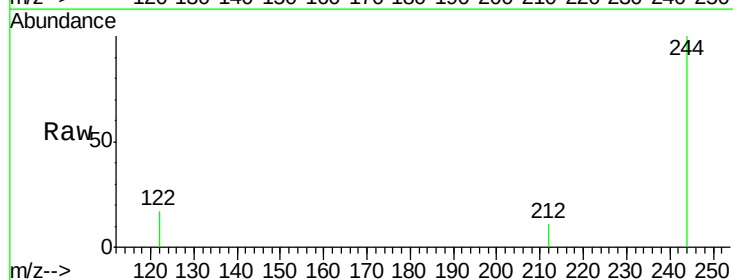
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.5

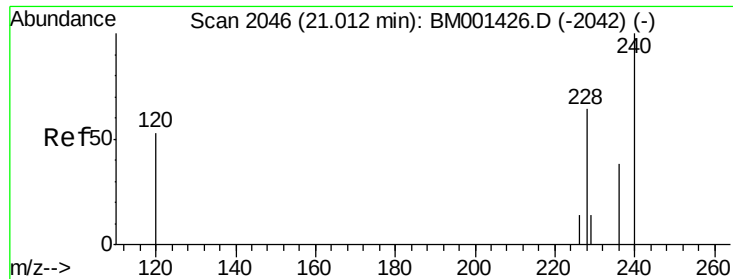
Tot Ion:240 Resp: 45866
Ion Ratio Lower Upper
240 100
120 8.9 3.2 4.8#
236 28.8 19.8 29.6



#18
Terphenyl-d14
Concen: 0.48 ng
RT: 19.48 min Scan# 1858
Delta R.T. 0.00 min
Lab File: BM001428.D
Acq: 28 May 2015 13:45

Tgt Ion:244 Resp: 2711
Ion Ratio Lower Upper
244 100
212 10.9 7.4 11.2
122 17.2 11.4 17.0#





#19

Benzo(a)anthracene

Concen: 2.04 ng

RT: 21.01 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.5

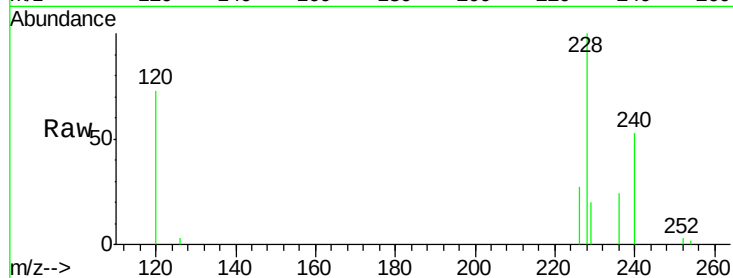
Tot Ion:228 Resp: 5683

Ion Ratio Lower Upper

228 100

226 26.6 18.2 27.2

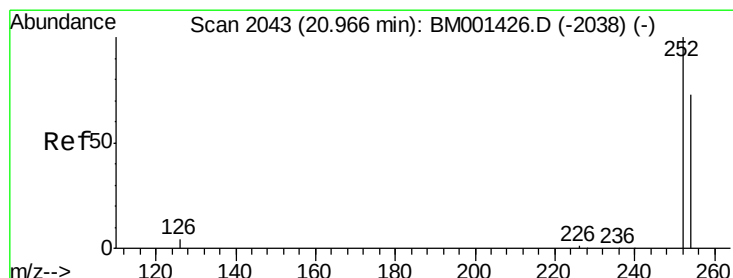
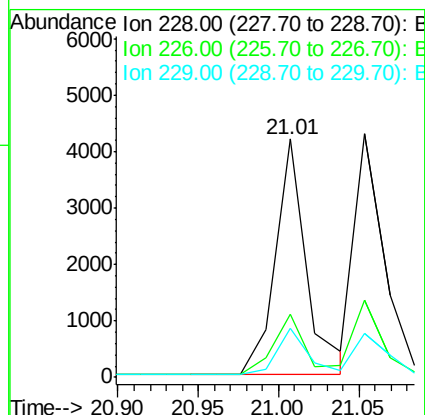
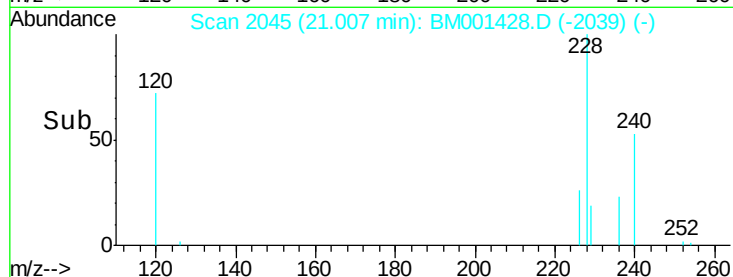
229 20.4 17.8 26.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#20

3,3'-Dichlorobenzidine

Concen: 0.39 ng

RT: 20.96 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BM001428.D

Acq: 28 May 2015 13:45

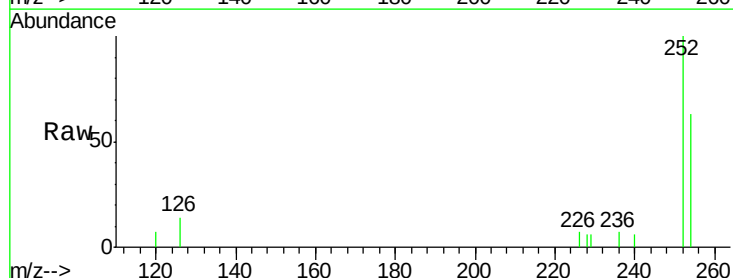
Tgt Ion:252 Resp: 1138

Ion Ratio Lower Upper

252 100

254 63.1 59.0 88.6

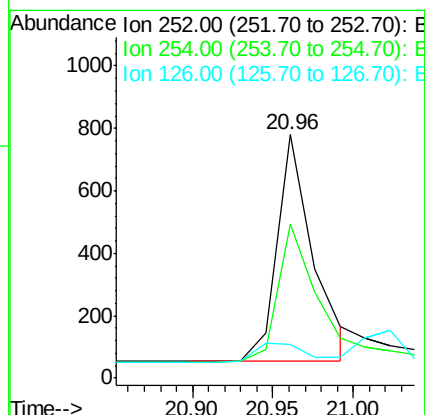
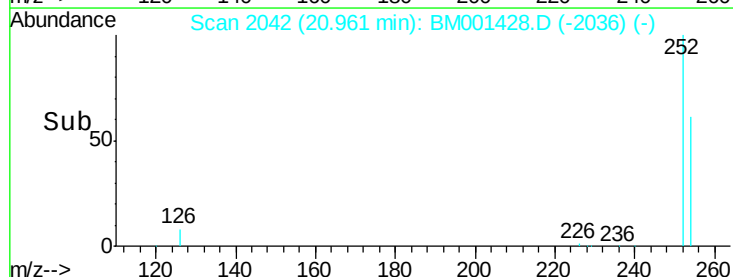
126 13.8 5.9 8.9#

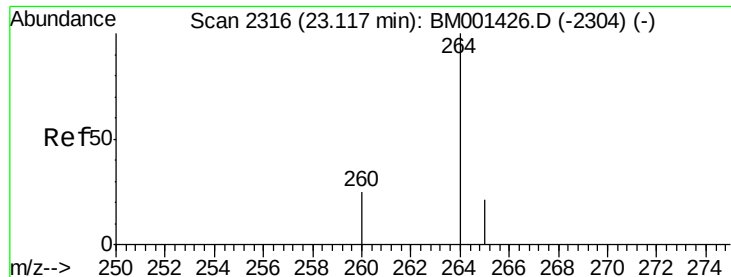


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#21
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.12 min Scan# 2314
 Delta R.T. -0.00 min
 Lab File: BM001428.D
 Acq: 28 May 2015 13:45

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	21.8	17.3	25.9

