

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052815\
 Data File : BM001426.D
 Acq On : 28 May 2015 11:56
 Operator : TP/IZ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICCC001

Quant Time: May 28 15:26:56 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	11929	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	38490	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	22871	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	51197	5.00	ng	0.00
17) Chrysene-d12	21.03	240	48143	5.00	ng	0.00
21) Perylene-d12	23.12	264	41281	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.98	112	1862	0.97	ng	0.00
3) Phenol-d6	6.59	99	1904	0.98	ng	0.00
7) Nitrobenzene-d5	8.53	82	2048	0.98	ng	0.00
10) 2,4,6-Tribromophenol	15.57	330	691	0.99	ng	0.00
11) 2-Fluorobiphenyl	12.68	172	6537	1.01	ng	0.00
18) Terphenyl-d14	19.48	244	6032	1.01	ng	0.00

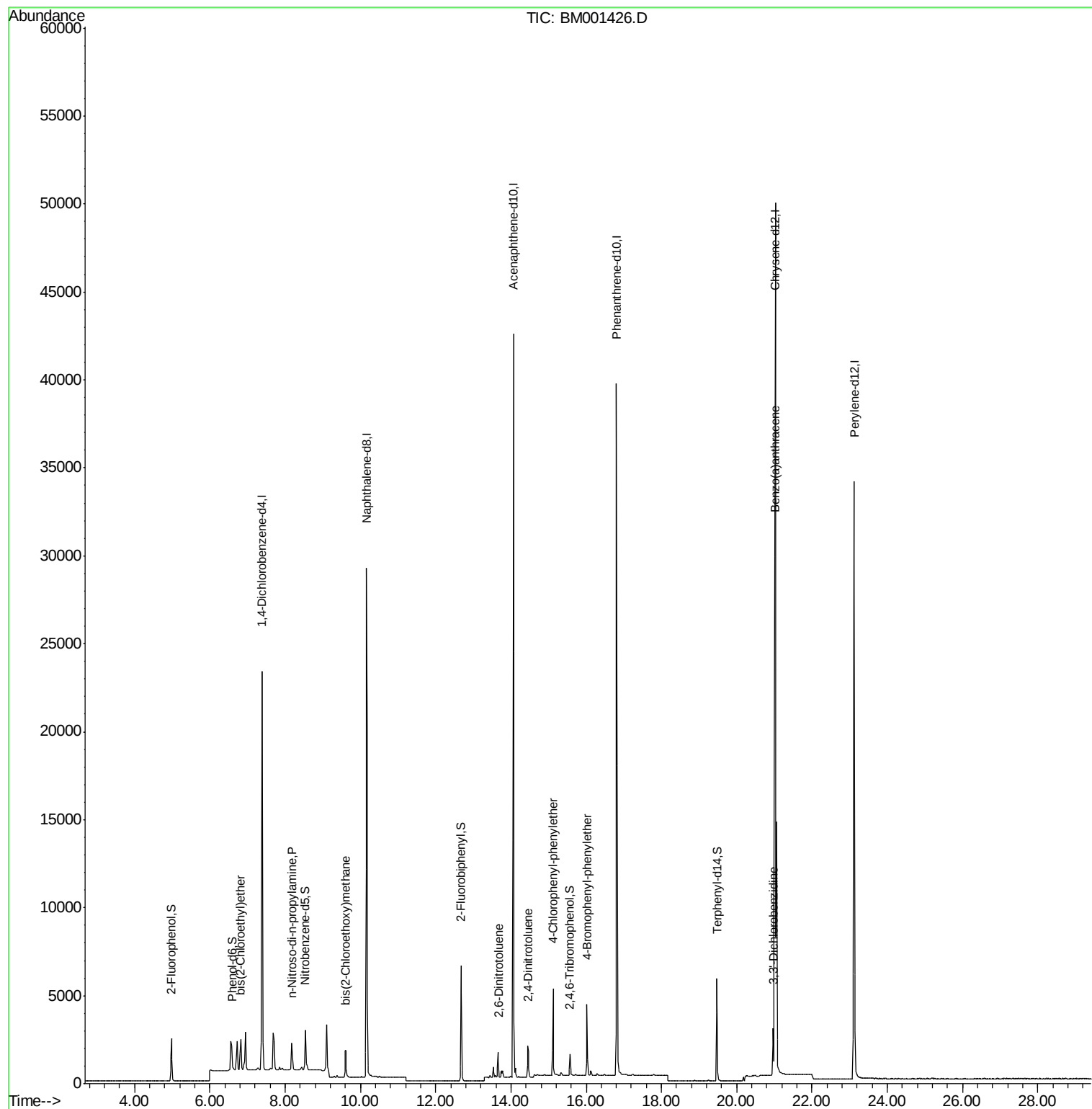
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.82	93	2060	0.96	ng	100
5) n-Nitroso-di-n-propylamine	8.18	70	1268	1.02	ng	100
8) bis(2-Chloroethoxy)methane	9.60	93	2156	1.05	ng	100
12) 2,6-Dinitrotoluene	13.67	165	919	0.95	ng	100
13) 2,4-Dinitrotoluene	14.45	165	1051	0.94	ng	100
14) 4-Chlorophenyl-phenylether	15.12	204	3663	1.05	ng	100
16) 4-Bromophenyl-phenylether	16.02	248	2090	1.04	ng	100
19) Benzo(a)anthracene	21.01	228	11800	4.03	ng	100
20) 3,3'-Dichlorobenzidine	20.97	252	2788	0.92	ng	100

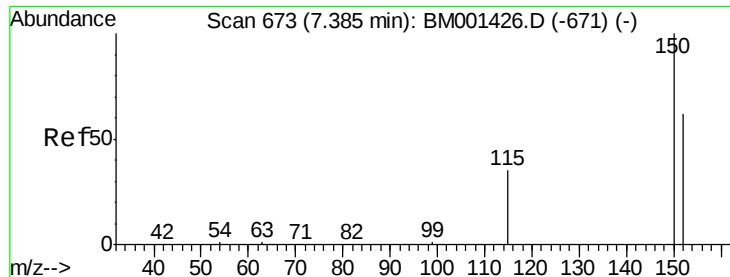
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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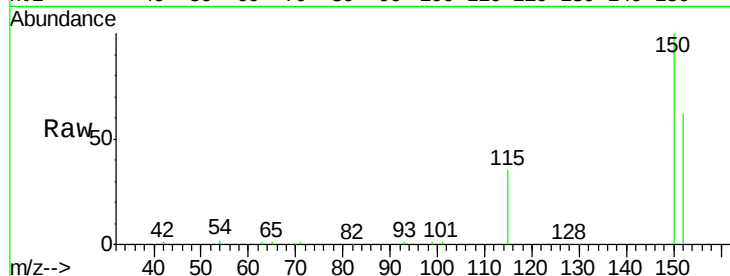


#1

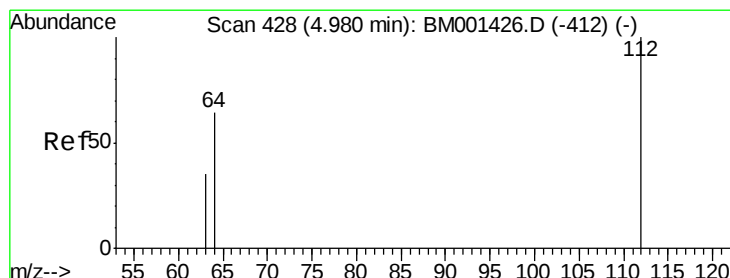
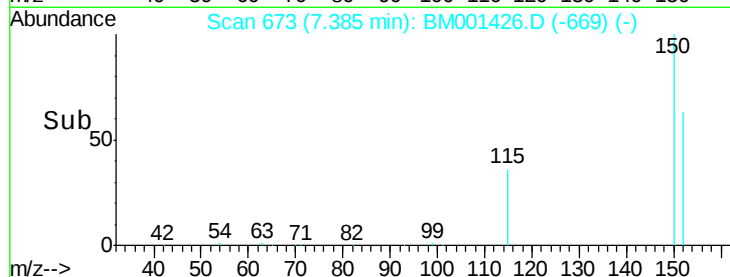
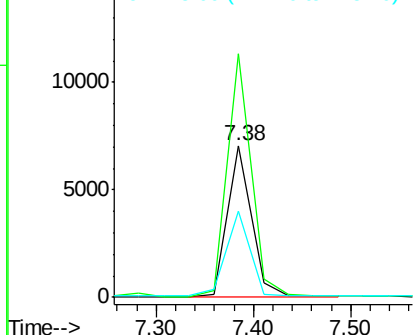
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.38 min Scan# 673
Delta R.T. 0.00 min
Lab File: BM001426.D
Acq: 28 May 2015 11:56

Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

Tot Ion:152 Resp: 11929
Ion Ratio Lower Upper
152 100
150 160.5 128.4 192.6
115 57.0 45.6 68.4



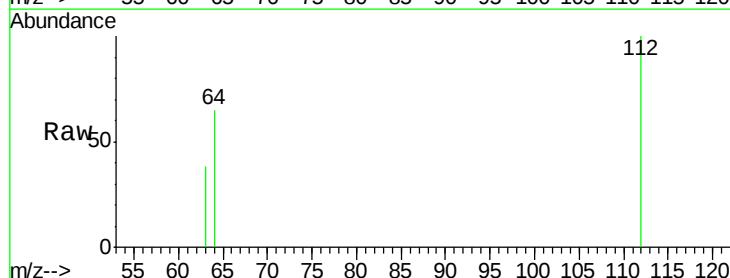
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



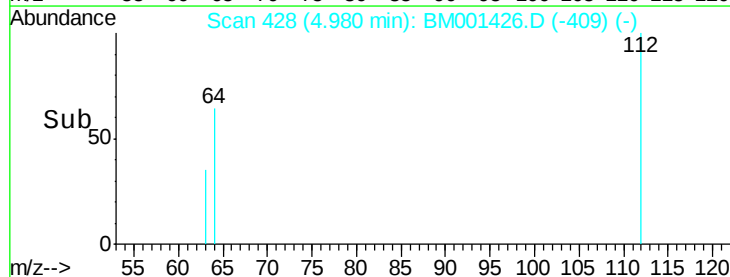
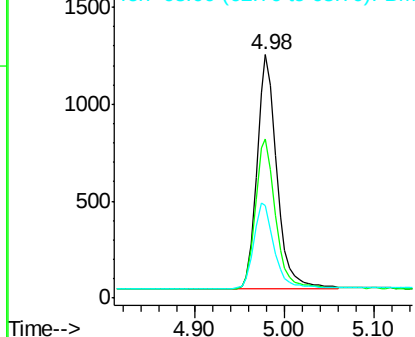
#2

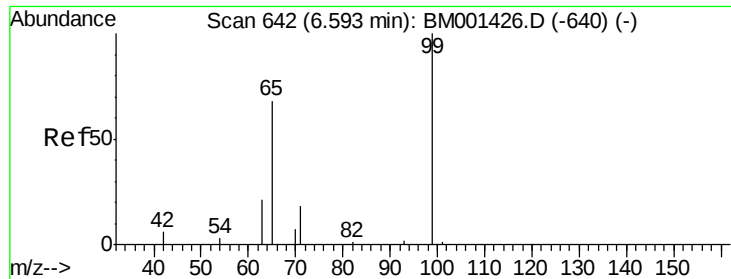
2-Fluorophenol
Concen: 0.97 ng
RT: 4.98 min Scan# 428
Delta R.T. 0.00 min
Lab File: BM001426.D
Acq: 28 May 2015 11:56

Tgt Ion:112 Resp: 1862
Ion Ratio Lower Upper
112 100
64 65.1 52.1 78.1
63 37.7 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: 0.98 ng

RT: 6.59 min Scan# 642

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

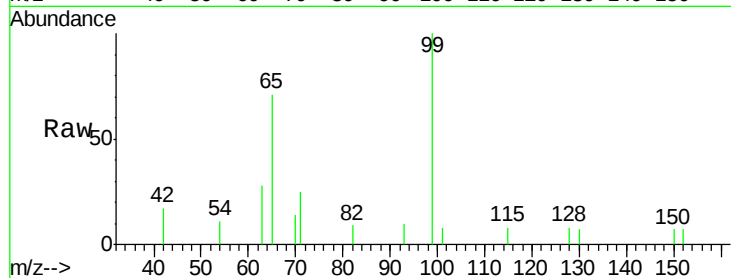
Tot Ion: 99 Resp: 1904

Ion Ratio Lower Upper

99 100

42 17.1 13.7 20.5

71 24.7 19.8 29.6

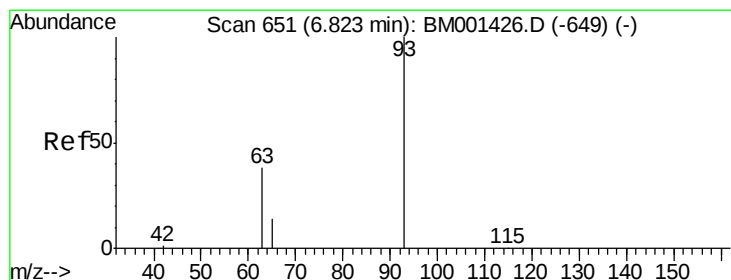
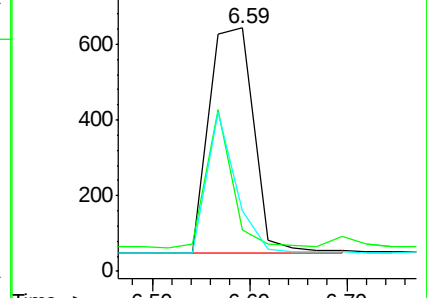
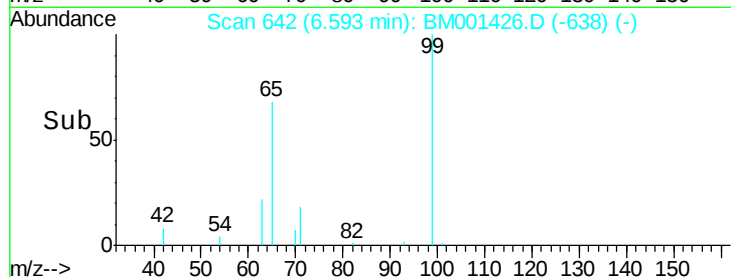


Abundance Ion 99.00 (98.70 to 99.70): BM001426.D (-640) (-)

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: 0.96 ng

RT: 6.82 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

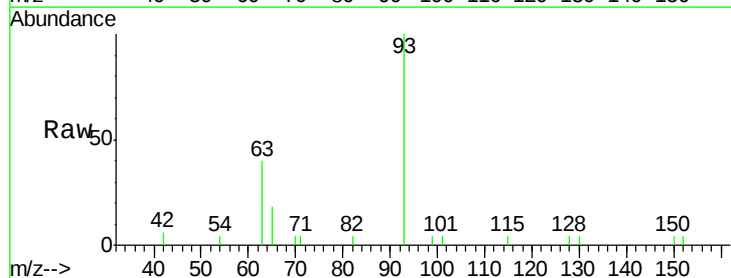
Tgt Ion: 93 Resp: 2060

Ion Ratio Lower Upper

93 100

63 40.0 20.0 60.0

95 0.0 0.0 20.0

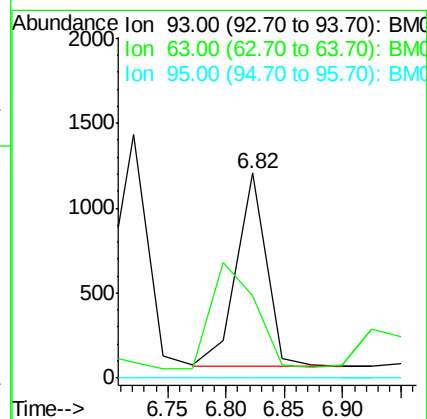
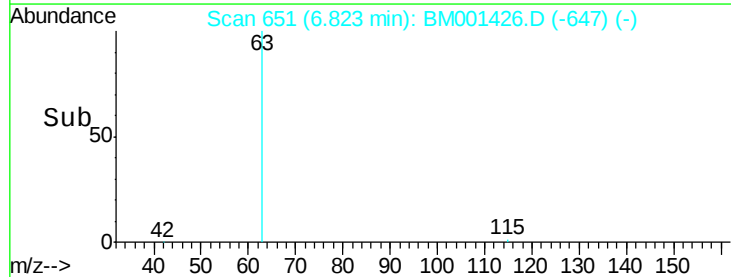


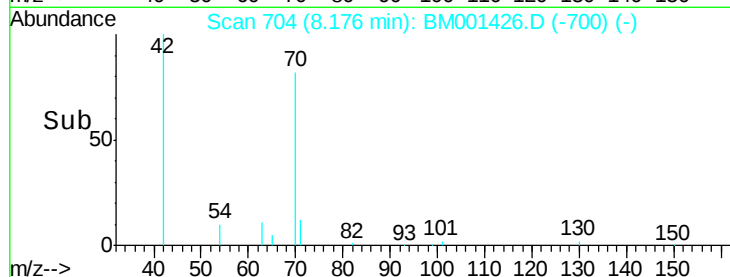
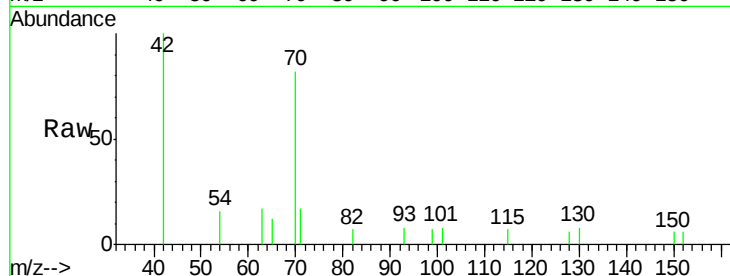
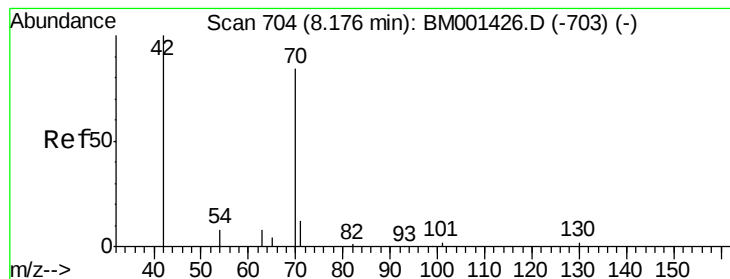
Abundance Ion 93.00 (92.70 to 93.70): BM001426.D (-649) (-)

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: 1.02 ng

RT: 8.18 min Scan# 704

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

Tot Ion: 70 Resp: 1268

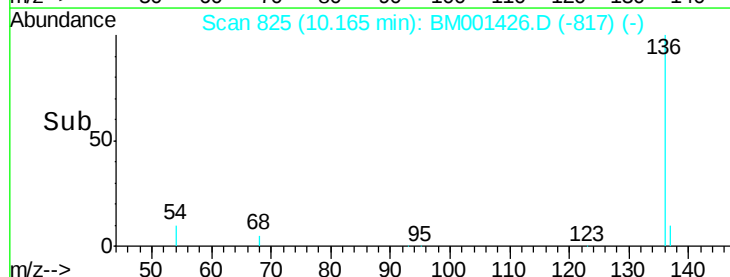
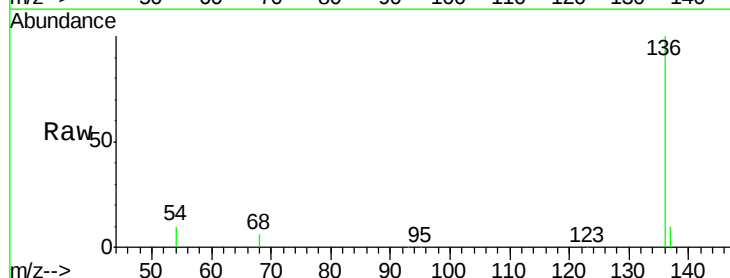
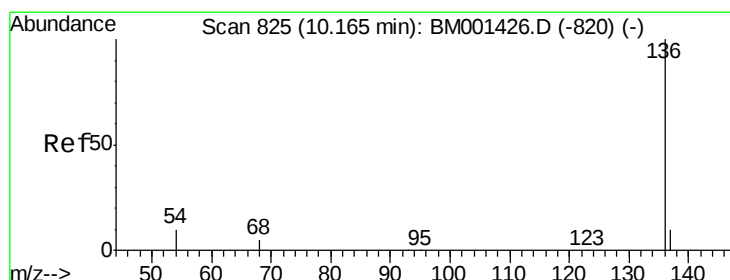
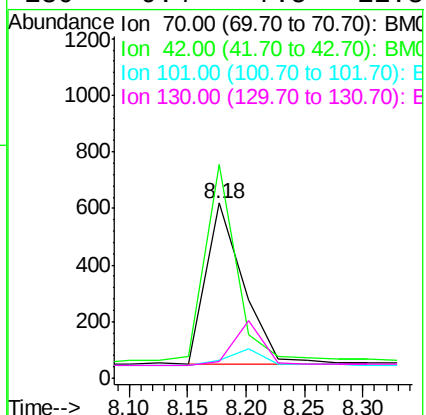
Ion Ratio Lower Upper

70 100

42 122.2 97.8 146.6

101 10.2 8.2 12.2

130 9.4 7.5 11.3



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.16 min Scan# 825

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

Tgt Ion: 136 Resp: 38490

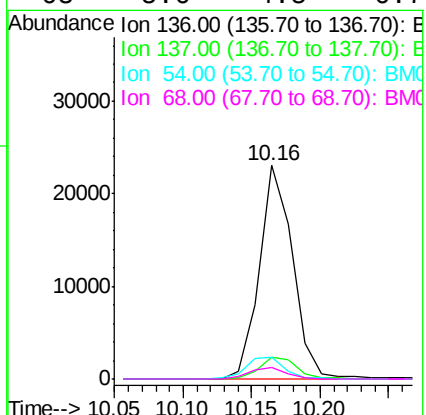
Ion Ratio Lower Upper

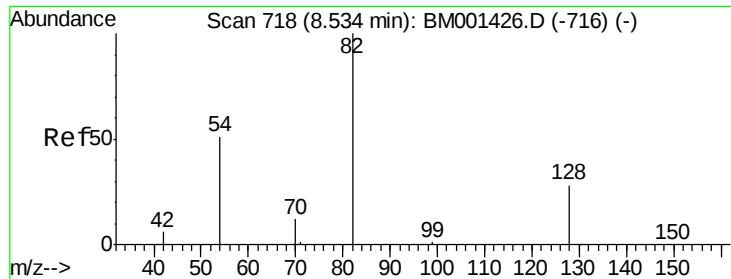
136 100

137 10.4 8.3 12.5

54 10.3 8.2 12.4

68 5.6 4.5 6.7





#7

Nitrobenzene-d5

Concen: 0.98 ng

RT: 8.53 min Scan# 718

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

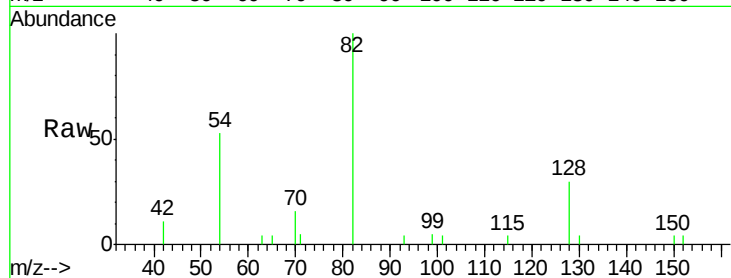
Tot Ion: 82 Resp: 2048

Ion Ratio Lower Upper

82 100

128 30.5 24.4 36.6

54 52.9 42.3 63.5

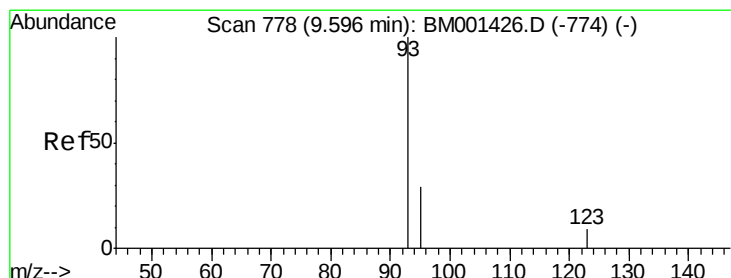
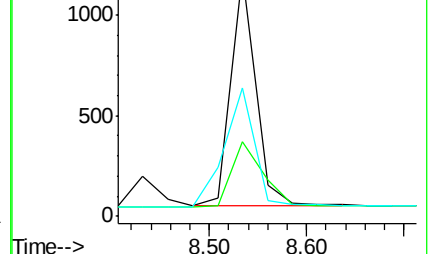
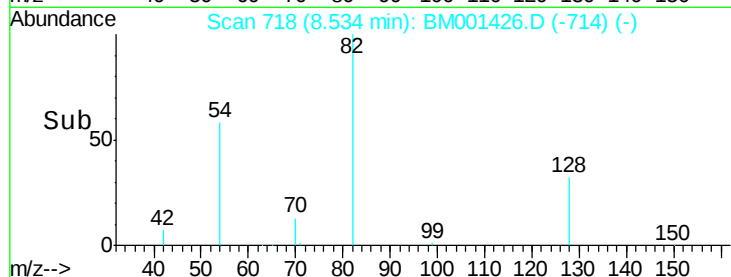


Abundance Ion 82.00 (81.70 to 82.70): BM001426.D (-716) (-)

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: 1.05 ng

RT: 9.60 min Scan# 778

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

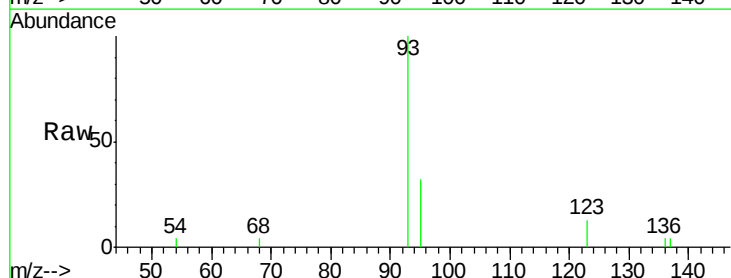
Tgt Ion: 93 Resp: 2156

Ion Ratio Lower Upper

93 100

95 31.6 25.3 37.9

123 12.7 10.2 15.2

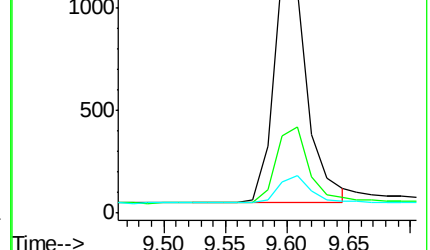
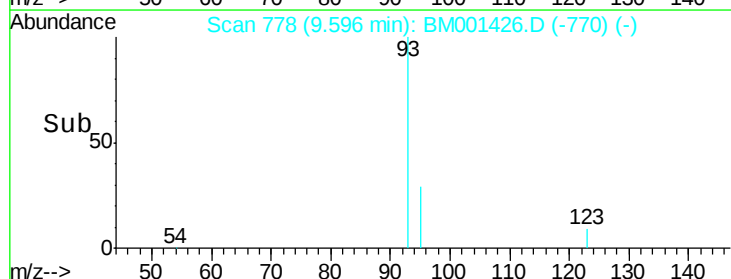


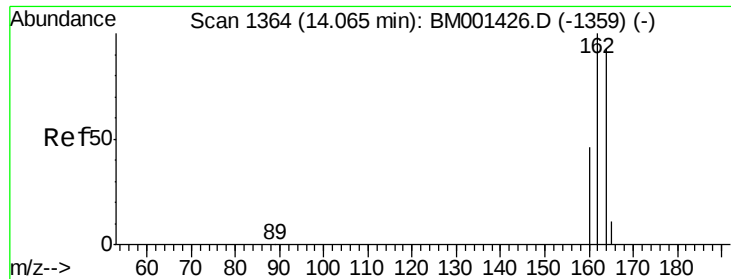
Abundance Ion 93.00 (92.70 to 93.70): BM001426.D (-774) (-)

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# 1364

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

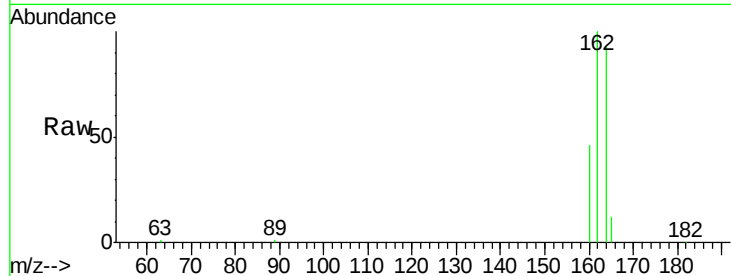
Tot Ion:164 Resp: 22871

Ion Ratio Lower Upper

164 100

162 107.7 86.2 129.2

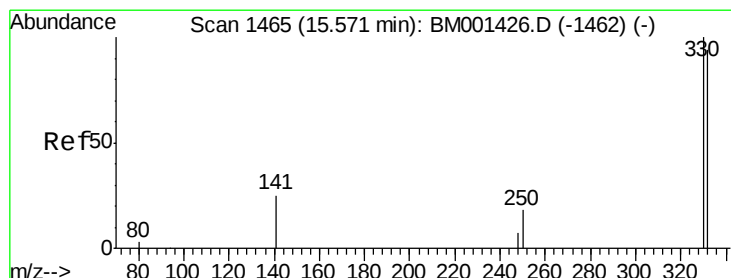
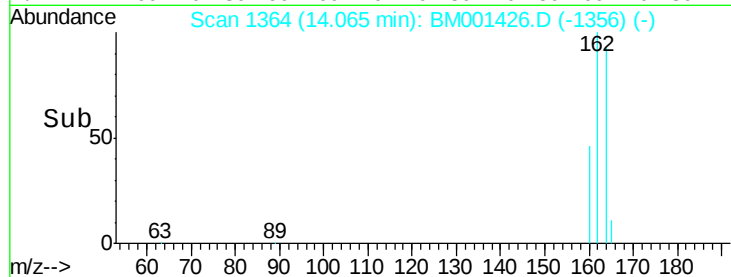
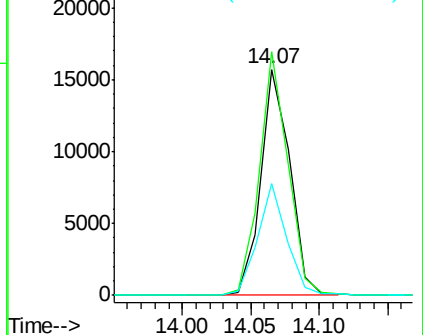
160 49.3 39.4 59.2



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: 0.99 ng

RT: 15.57 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

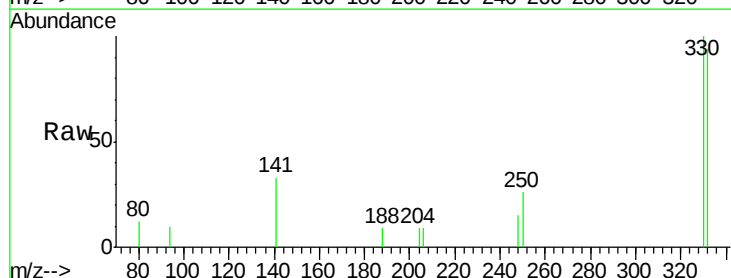
Tgt Ion:330 Resp: 691

Ion Ratio Lower Upper

330 100

332 95.4 76.3 114.5

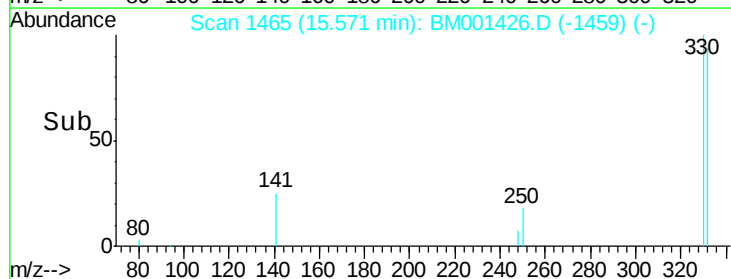
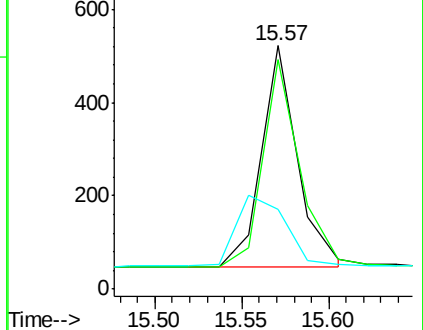
141 43.7 35.0 52.4

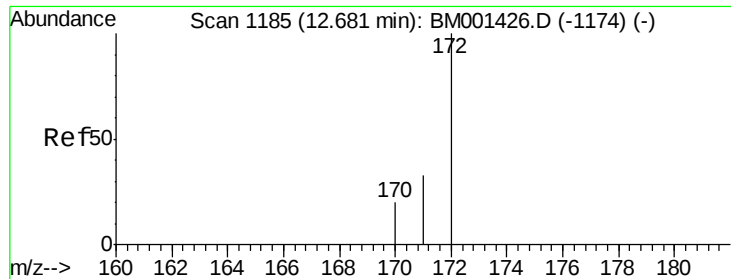


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

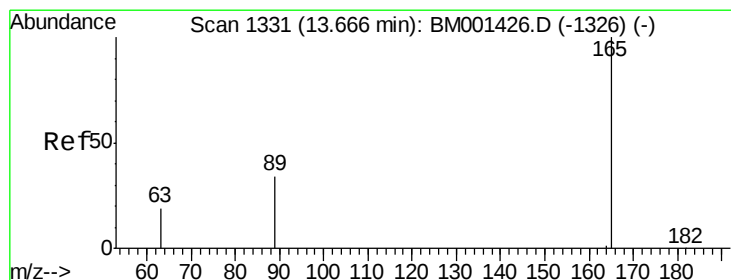
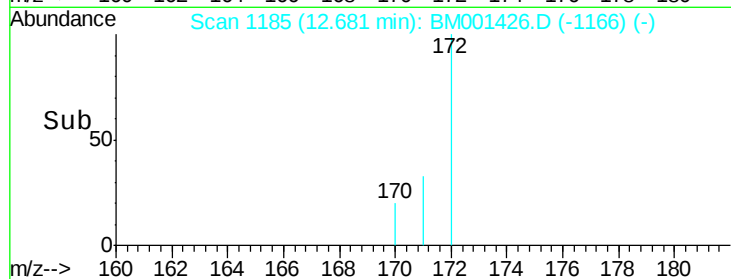
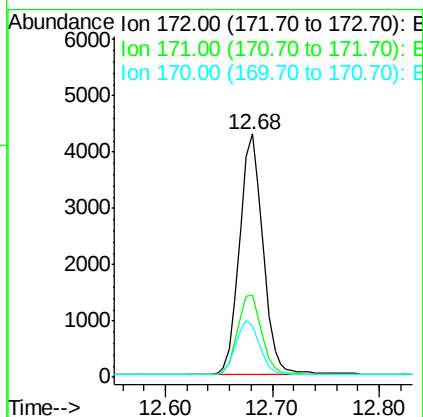
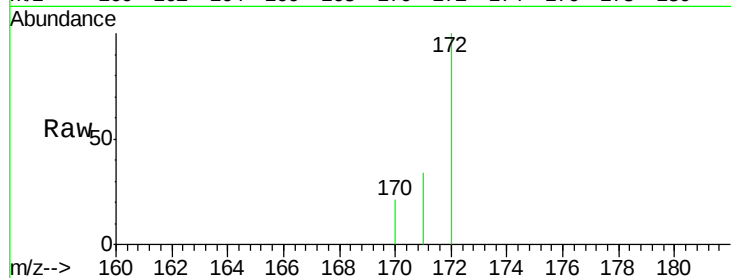




#11
2-Fluorobiphenyl
Concen: 1.01 ng
RT: 12.68 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BM001426.D
Acq: 28 May 2015 11:56

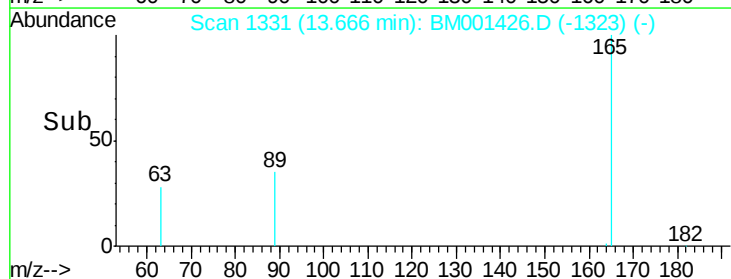
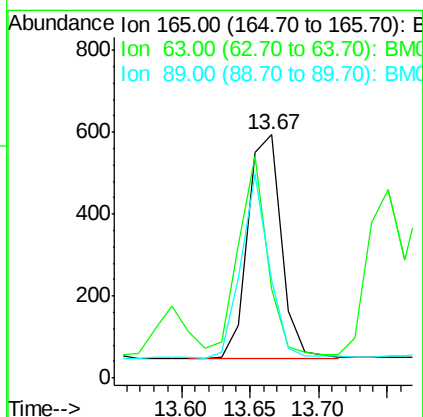
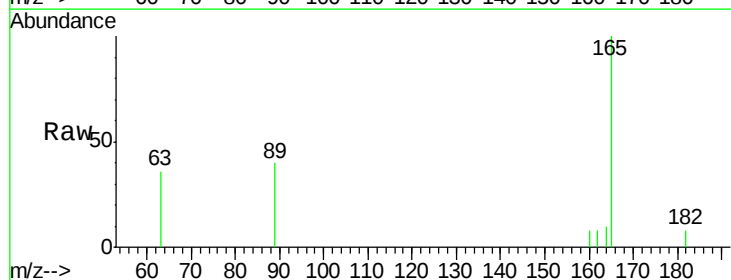
Instrument :
BNA_M
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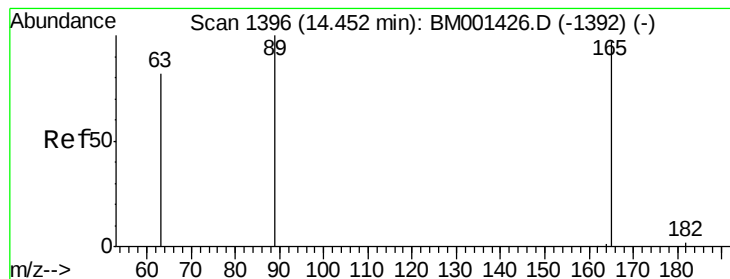
Tot Ion:172 Resp: 6537
Ion Ratio Lower Upper
172 100
171 33.6 26.9 40.3
170 21.4 17.1 25.7



#12
2,6-Dinitrotoluene
Concen: 0.95 ng
RT: 13.67 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BM001426.D
Acq: 28 May 2015 11:56

Tgt Ion:165 Resp: 919
Ion Ratio Lower Upper
165 100
63 36.4 29.1 43.7
89 40.1 32.1 48.1





#13

2,4-Dinitrotoluene

Concen: 0.94 ng

RT: 14.45 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

Tot Ion:165 Resp: 1051

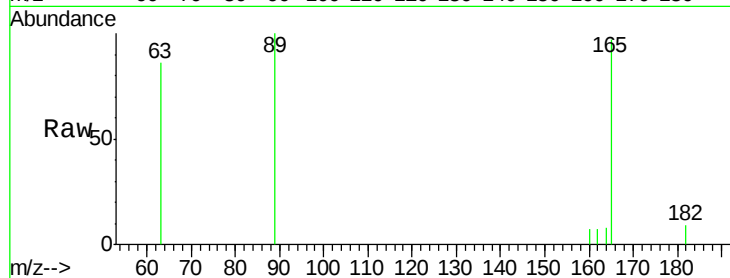
Ion Ratio Lower Upper

165 100

63 88.2 70.6 105.8

89 103.0 82.4 123.6

182 9.4 7.5 11.3

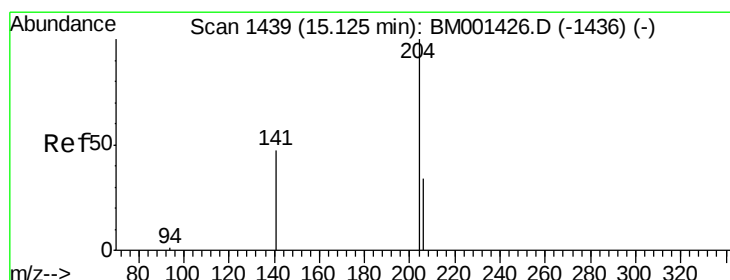
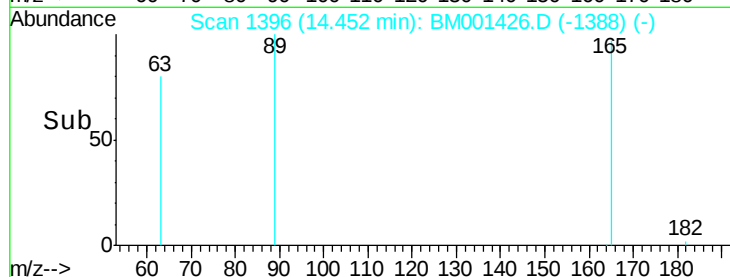
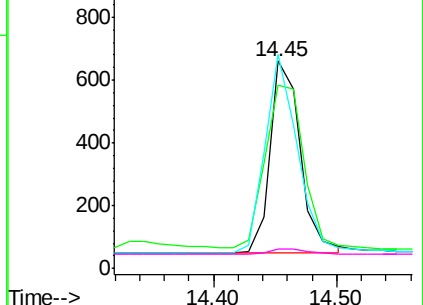


Abundance Ion 165.00 (164.70 to 165.70): E

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: 1.05 ng

RT: 15.12 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

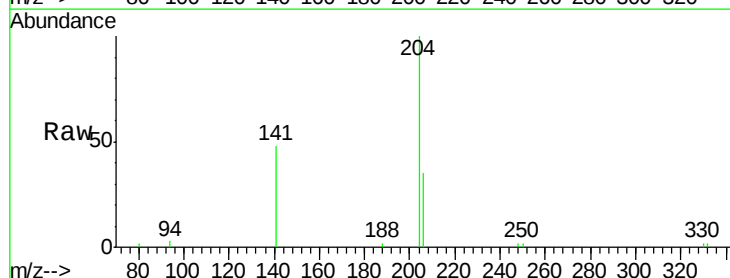
Tgt Ion:204 Resp: 3663

Ion Ratio Lower Upper

204 100

206 34.8 27.8 41.8

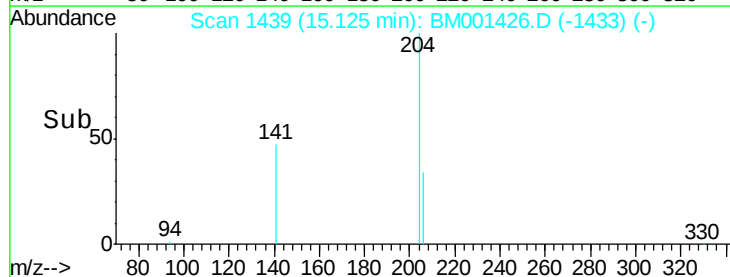
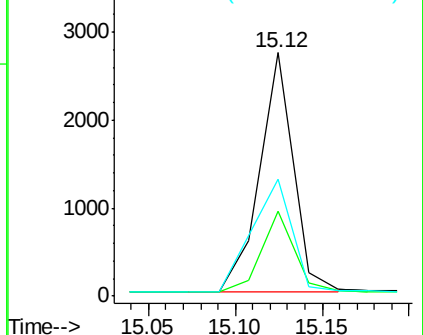
141 47.8 38.2 57.4

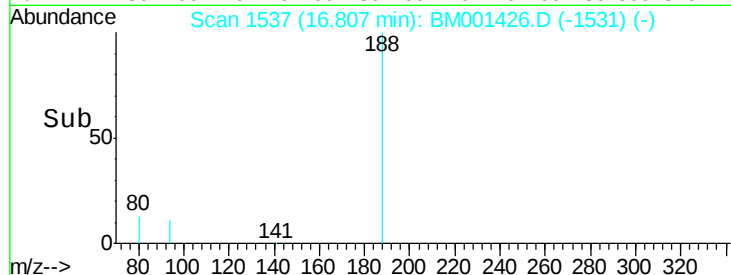
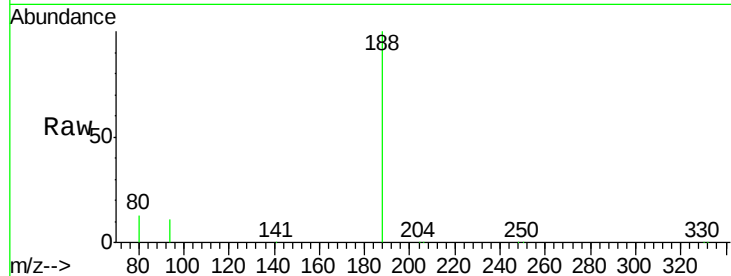
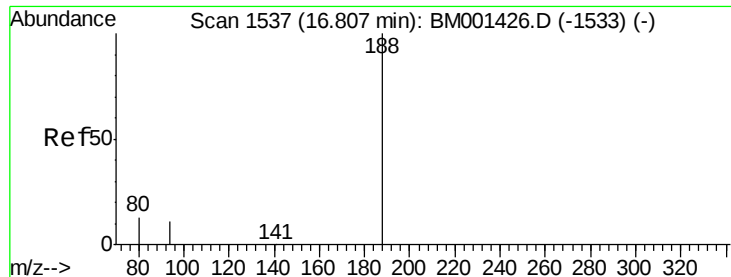


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.81 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

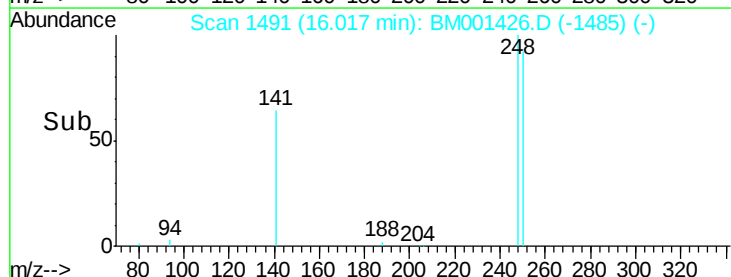
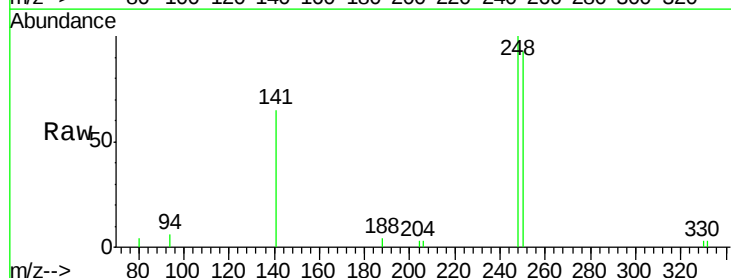
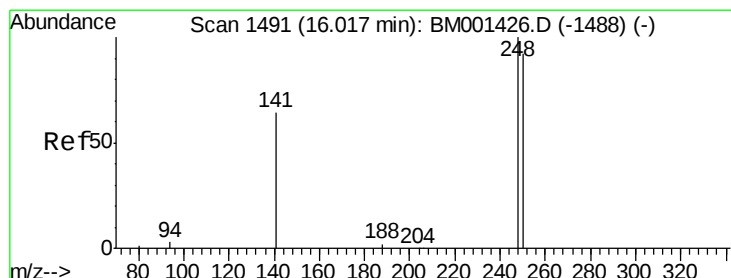
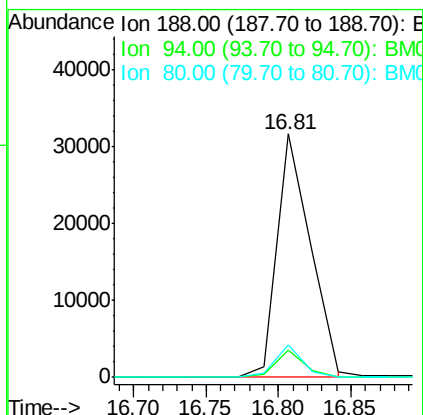
Tot Ion:188 Resp: 51197

Ion Ratio Lower Upper

188 100

94 11.2 9.0 13.4

80 13.2 10.6 15.8



#16

4-Bromophenyl-phenylether

Concen: 1.04 ng

RT: 16.02 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

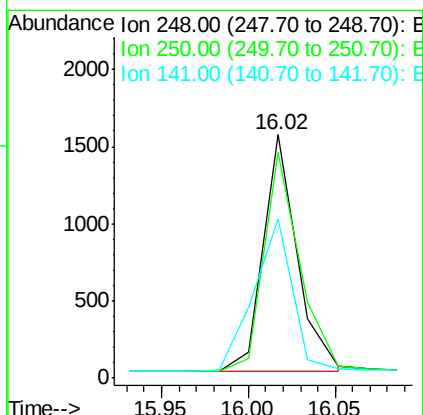
Tgt Ion:248 Resp: 2090

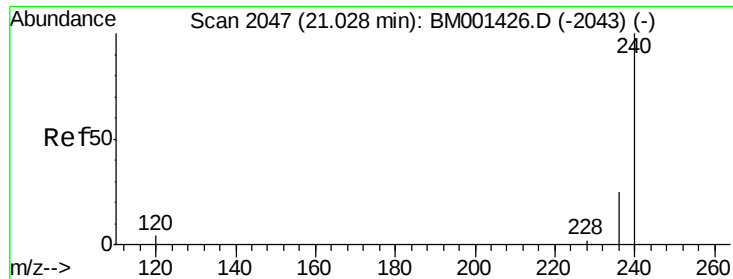
Ion Ratio Lower Upper

248 100

250 92.6 74.1 111.1

141 65.5 52.4 78.6

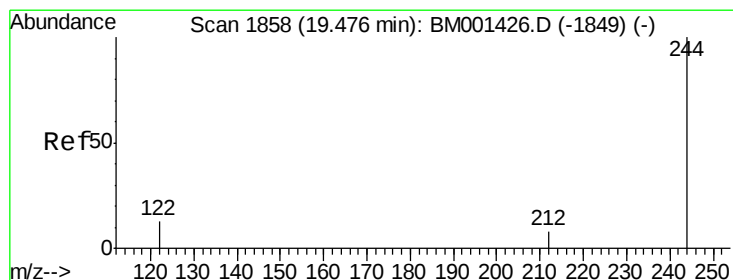
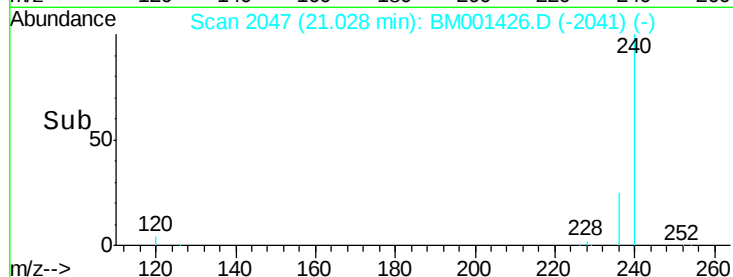
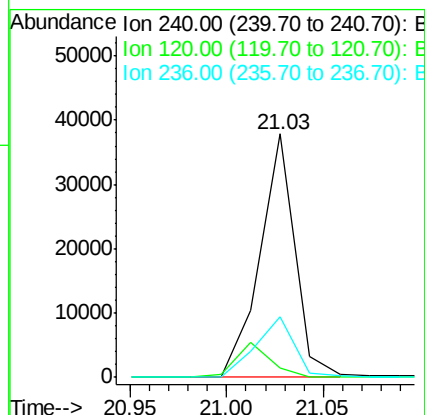
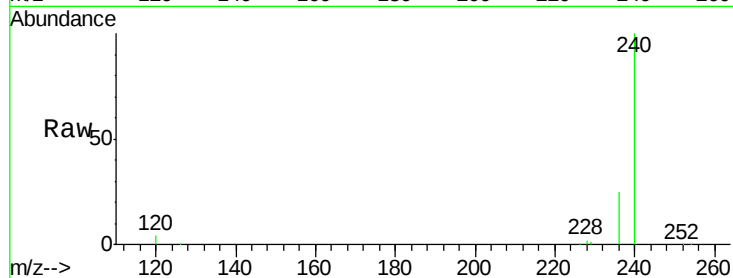




#17
Chrysene-d12
Concen: 5.00 ng
RT: 21.03 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BM001426.D
Acq: 28 May 2015 11:56

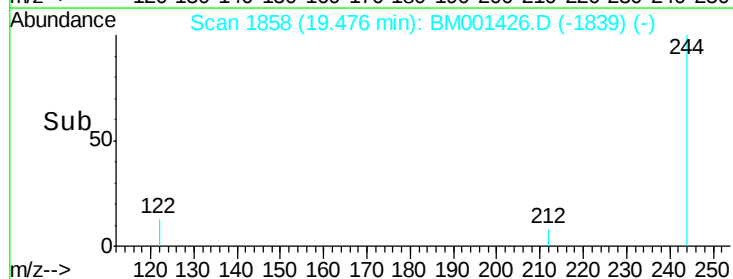
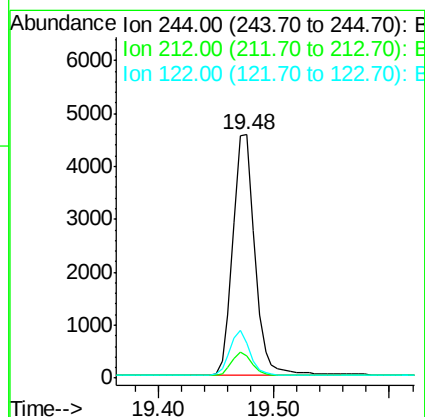
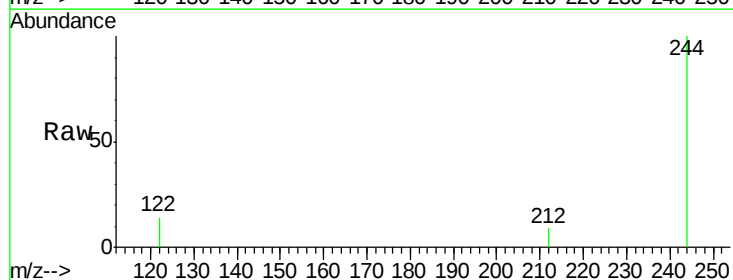
Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

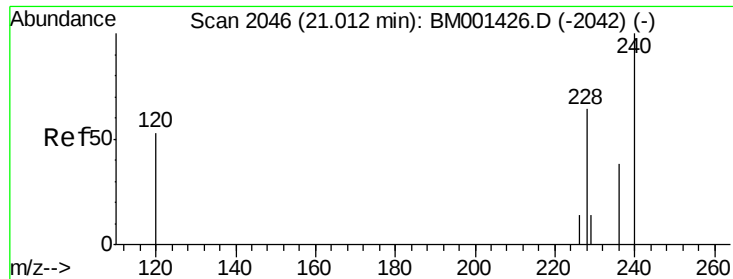
Tot Ion:240 Resp: 48143
Ion Ratio Lower Upper
240 100
120 4.0 3.2 4.8
236 24.7 19.8 29.6



#18
Terphenyl-d14
Concen: 1.01 ng
RT: 19.48 min Scan# 1858
Delta R.T. 0.00 min
Lab File: BM001426.D
Acq: 28 May 2015 11:56

Tgt Ion:244 Resp: 6032
Ion Ratio Lower Upper
244 100
212 9.3 7.4 11.2
122 14.2 11.4 17.0





#19

Benzo(a)anthracene

Concen: 4.03 ng

RT: 21.01 min Scan# 2046

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

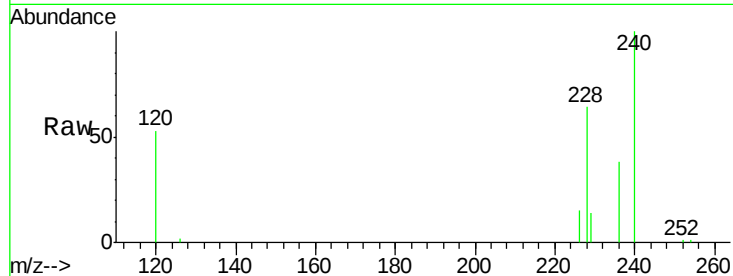
Tot Ion:228 Resp: 11800

Ion Ratio Lower Upper

228 100

226 22.7 18.2 27.2

229 22.3 17.8 26.8

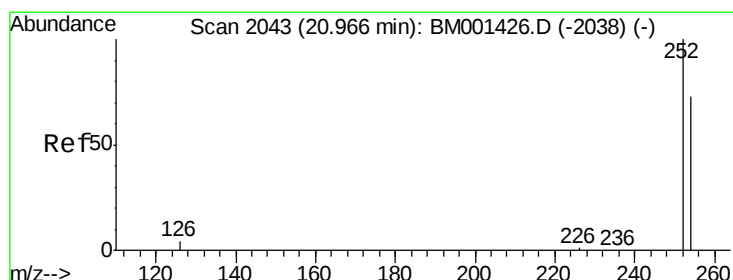
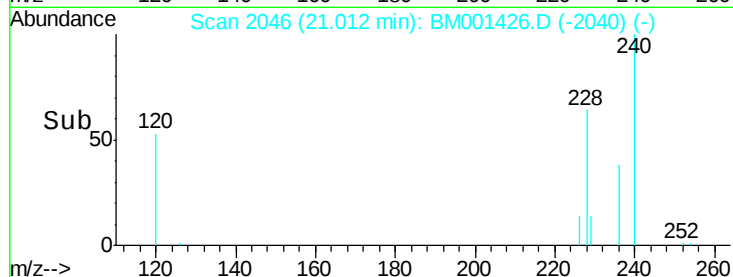
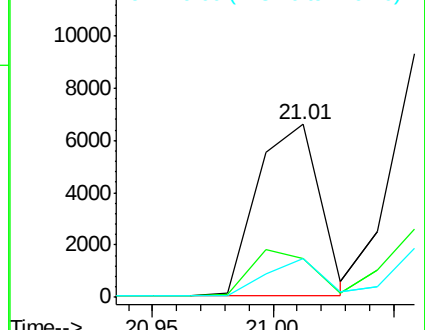


Abundance

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: 0.92 ng

RT: 20.97 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

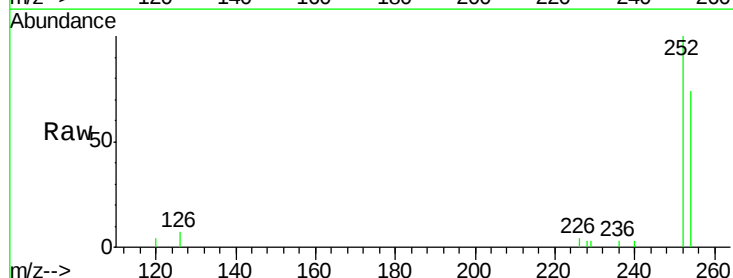
Tgt Ion:252 Resp: 2788

Ion Ratio Lower Upper

252 100

254 73.8 59.0 88.6

126 7.4 5.9 8.9

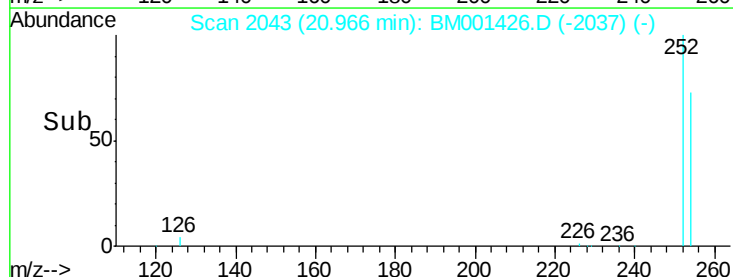
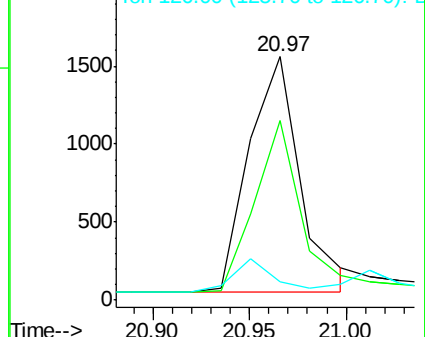


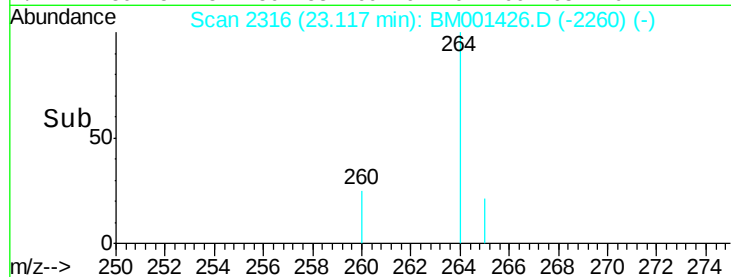
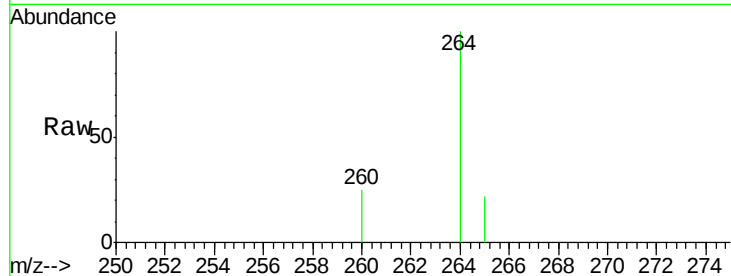
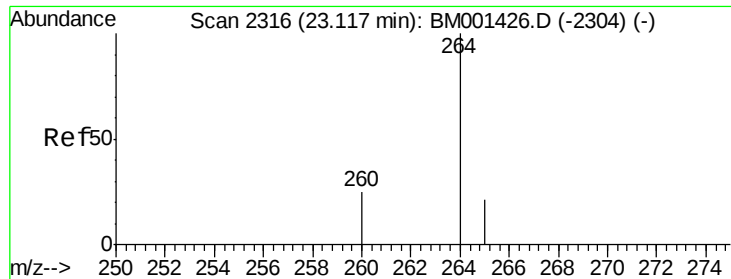
Abundance

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

Pervlene-d12

Concen: 5.00 ng

RT: 23.12 min Scan# 2316

Delta R.T. 0.00 min

Lab File: BM001426.D

Acq: 28 May 2015 11:56

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

Tot Ion:264 Resp: 41281

Ion Ratio Lower Upper

264 100

260 25.1 20.1 30.1

265 21.6 17.3 25.9

