

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053115\
 Data File : BM001496.D
 Acq On : 31 May 2015 05:06
 Operator : TP/IZ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.5

Quant Time: May 31 07:32:48 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM053115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun May 31 05:09:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	12408	5.00	ng	0.00
6) Naphthalene-d8	10.15	136	46206	5.00	ng	0.00
9) Acenaphthene-d10	14.06	164	24320	5.00	ng	0.00
15) Phenanthrene-d10	16.80	188	49971	5.00	ng	0.00
17) Chrysene-d12	21.03	240	40885	5.00	ng	0.00
21) Perylene-d12	23.11	264	36214	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	1262	0.61	ng	0.00
3) Phenol-d6	6.57	99	1611	0.73	ng	0.00
7) Nitrobenzene-d5	8.53	82	1249	0.50	ng	0.00
10) 2,4,6-Tribromophenol	15.56	330	417	0.55	ng	0.00
11) 2-Fluorobiphenyl	12.67	172	3555	0.52	ng	0.00
18) Terphenyl-d14	19.47	244	2757	0.54	ng	0.00

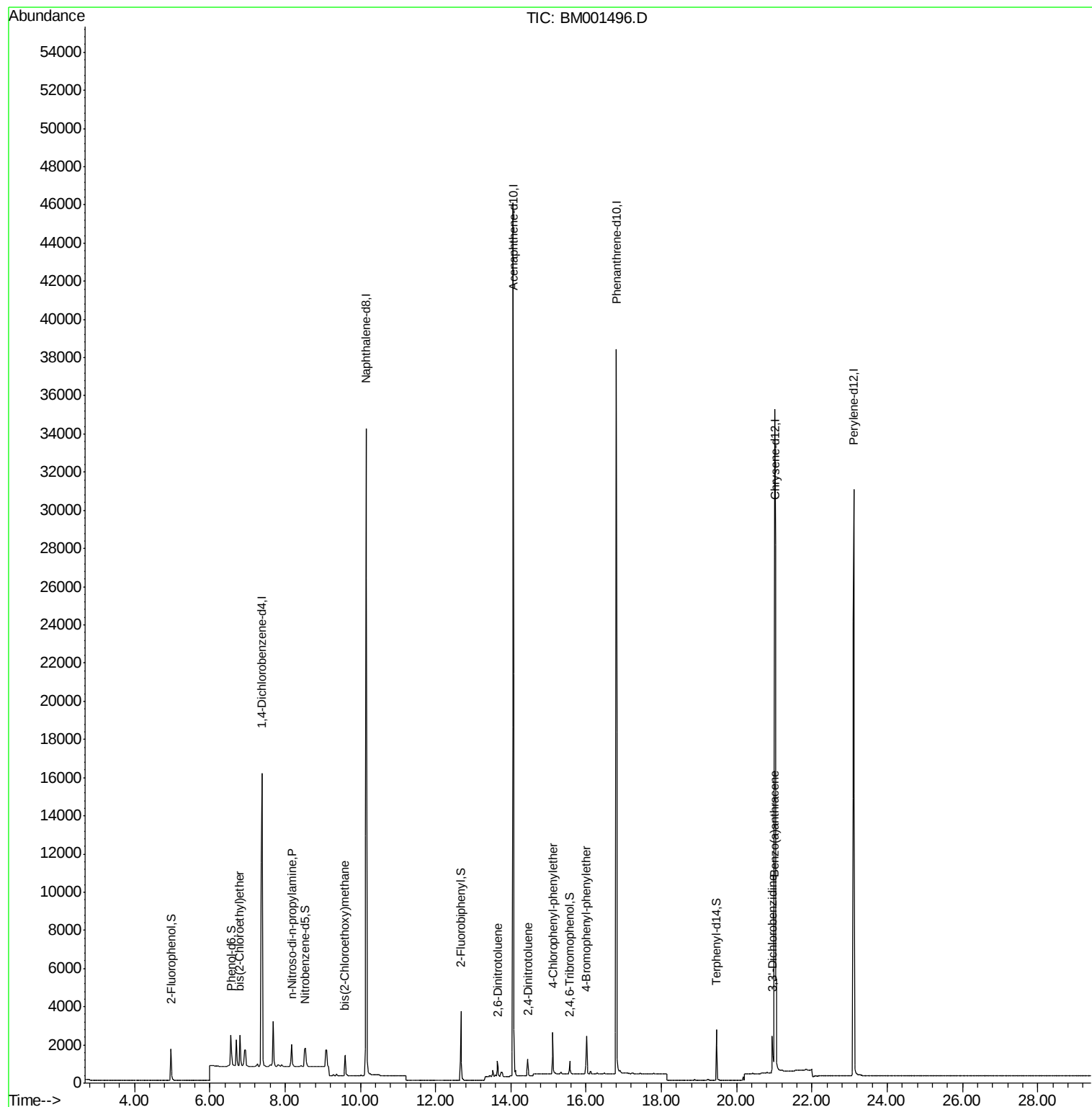
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.80	93	1255	0.55	ng	90
5) n-Nitroso-di-n-propylamine	8.18	70	972	0.71	ng	# 91
8) bis(2-Chloroethoxy)methane	9.58	93	1448	0.58	ng	# 95
12) 2,6-Dinitrotoluene	13.65	165	515	0.49	ng	# 43
13) 2,4-Dinitrotoluene	14.46	165	549	0.46	ng	# 94
14) 4-Chlorophenyl-phenylether	15.12	204	1757	0.48	ng	# 74
16) 4-Bromophenyl-phenylether	16.01	248	1025	0.52	ng	# 79
19) Benzo(a)anthracene	20.99	228	5709	2.22	ng	# 87
20) 3,3'-Dichlorobenzidine	20.95	252	1679	0.62	ng	# 89

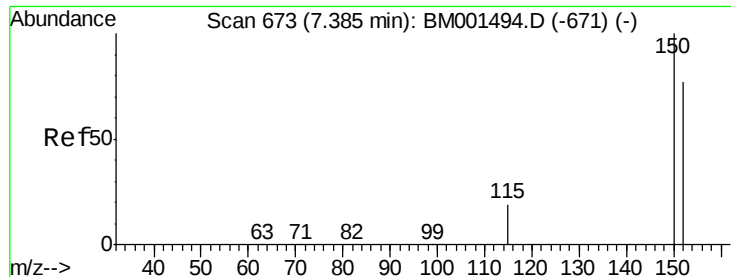
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053115\
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ALS Vial : 25 Sample Multiplier: 1

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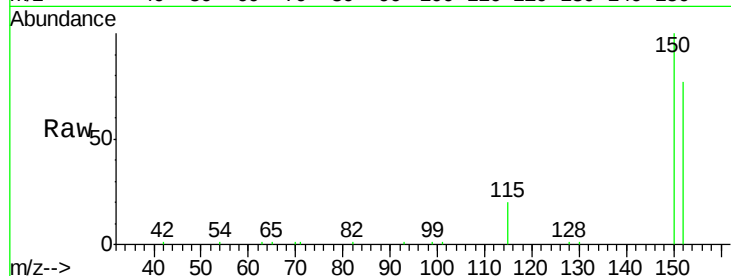


#1

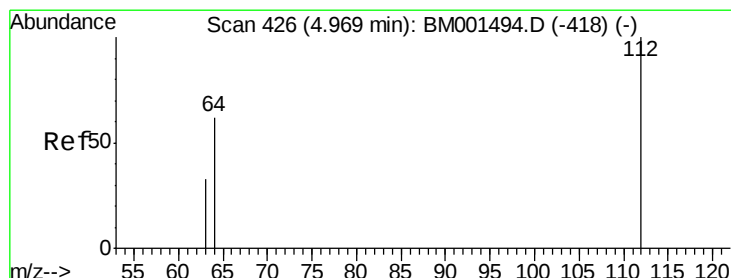
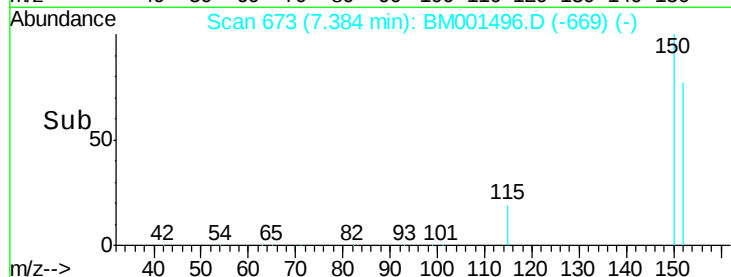
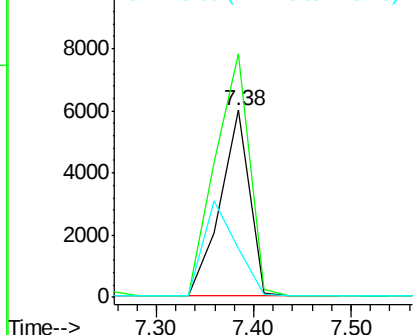
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.38 min Scan# 673
Delta R.T. -0.00 min
Lab File: BM001496.D
Acq: 31 May 2015 05:06

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.5

Tgt Ion:152 Resp: 12408
Ion Ratio Lower Upper
152 100
150 130.0 103.8 155.8
115 26.1 20.7 31.1



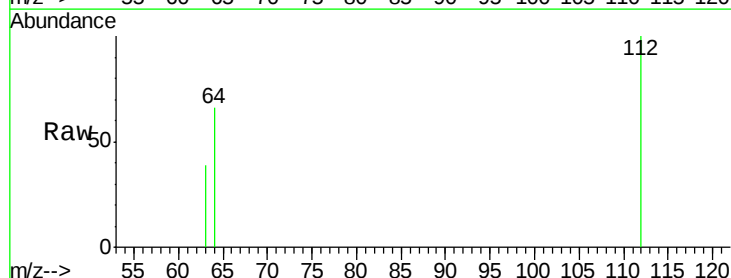
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



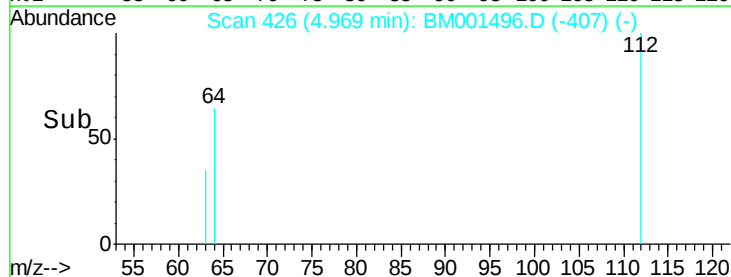
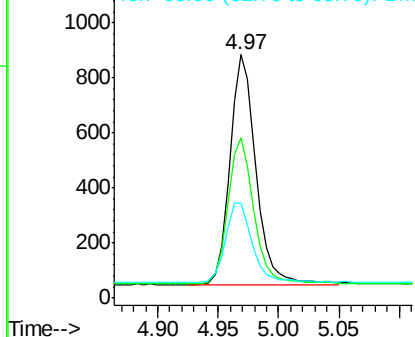
#2

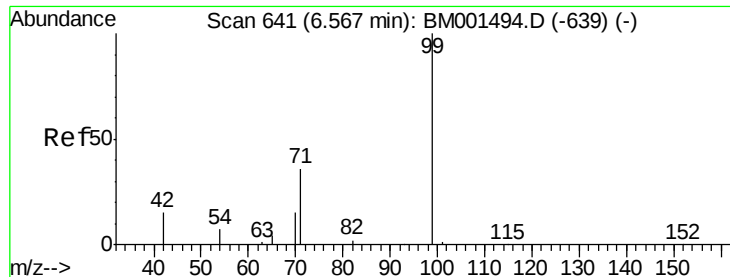
2-Fluorophenol
Concen: 0.61 ng
RT: 4.97 min Scan# 426
Delta R.T. -0.00 min
Lab File: BM001496.D
Acq: 31 May 2015 05:06

Tgt Ion:112 Resp: 1262
Ion Ratio Lower Upper
112 100
64 65.7 50.2 75.2
63 39.1 28.2 42.4



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: 0.73 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.00 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

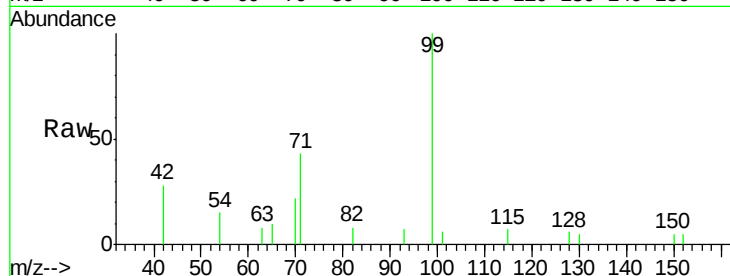
Tgt Ion: 99 Resp: 1611

Ion Ratio Lower Upper

99 100

42 27.7 15.2 22.8#

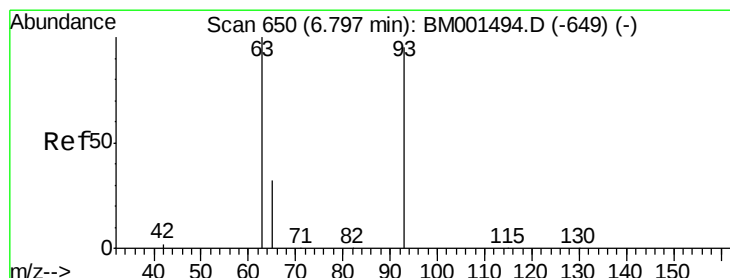
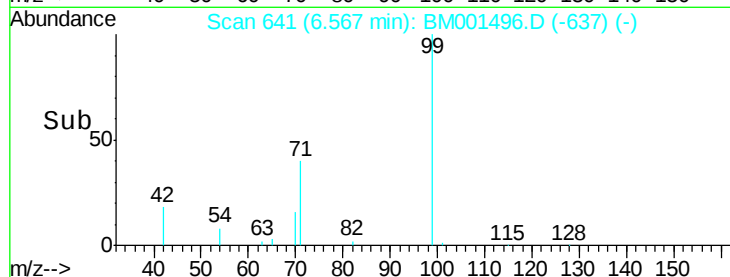
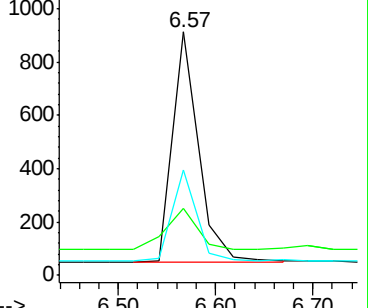
71 43.4 30.6 46.0



Abundance Ion 99.00 (98.70 to 99.70): BM001494.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM001494.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM001494.D (-639) (-)



#4

bis(2-Chloroethyl)ether

Concen: 0.55 ng

RT: 6.80 min Scan# 650

Delta R.T. -0.00 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

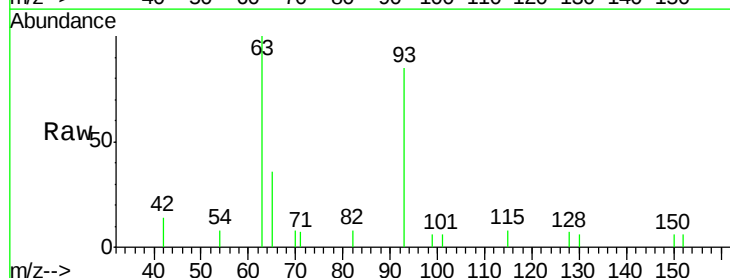
Tgt Ion: 93 Resp: 1255

Ion Ratio Lower Upper

93 100

63 117.4 86.8 126.8

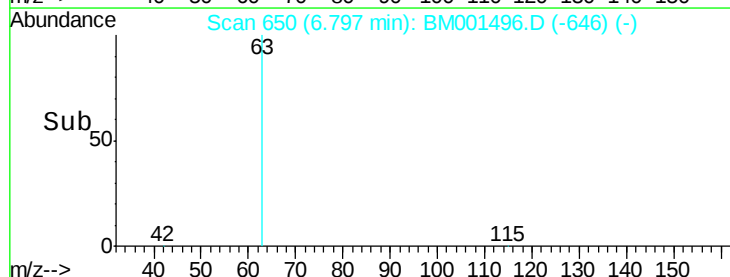
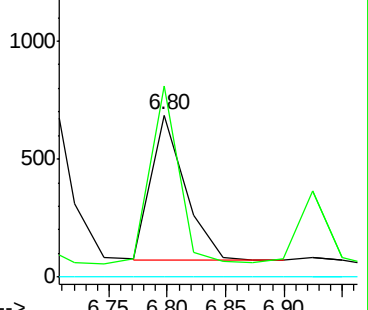
95 0.0 0.0 20.0

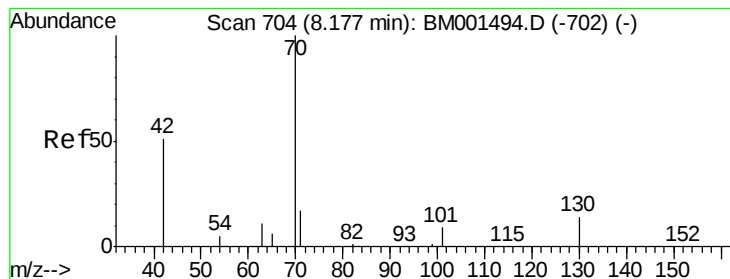


Abundance Ion 93.00 (92.70 to 93.70): BM001494.D (-649) (-)

Ion 63.00 (62.70 to 63.70): BM001494.D (-649) (-)

Ion 95.00 (94.70 to 95.70): BM001494.D (-649) (-)





#5

n-Nitroso-di-n-propylamine

Concen: 0.71 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

Tgt Ion: 70 Resp: 972

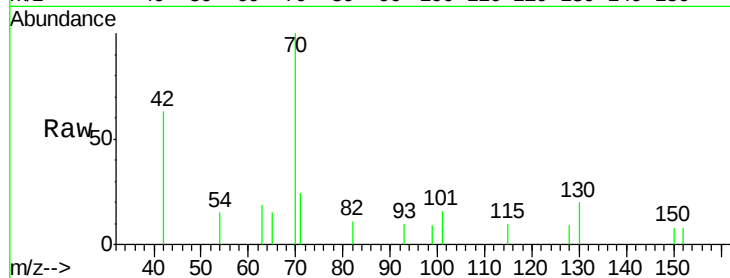
Ion Ratio Lower Upper

70 100

42 62.9 44.2 66.2

101 16.2 10.3 15.5#

130 20.1 13.9 20.9

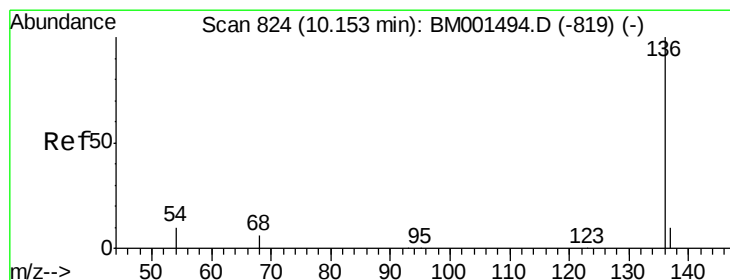
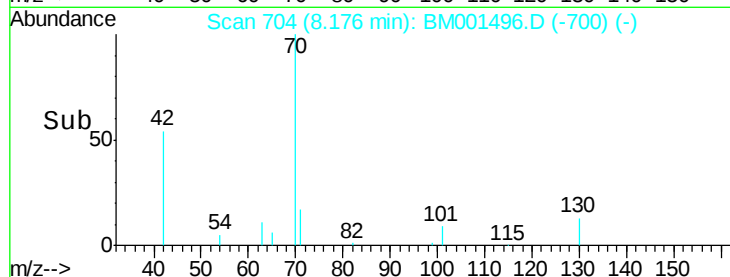
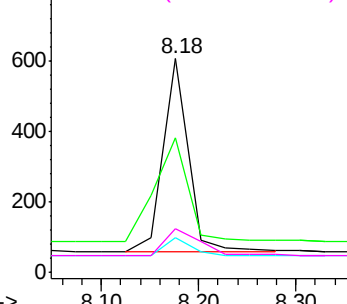


Abundance Ion 70.00 (69.70 to 70.70): BM0

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: 10.15 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

Tgt Ion: 136 Resp: 46206

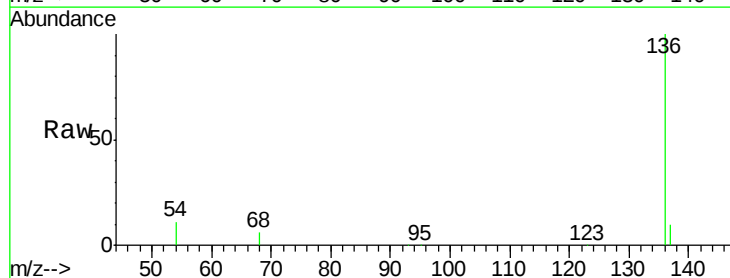
Ion Ratio Lower Upper

136 100

137 10.4 8.3 12.5

54 10.9 8.5 12.7

68 6.3 5.0 7.4

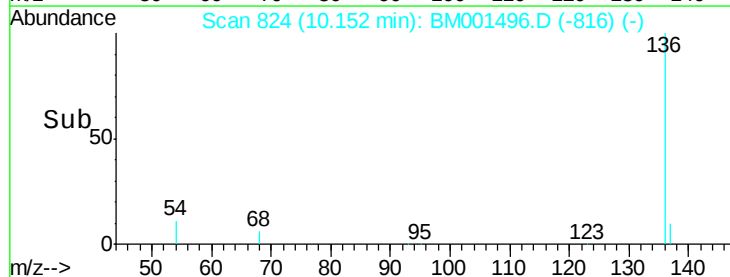
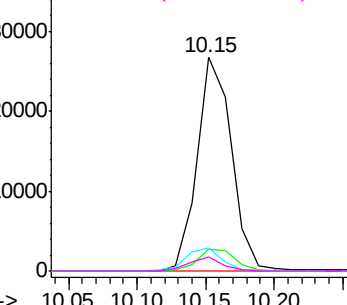


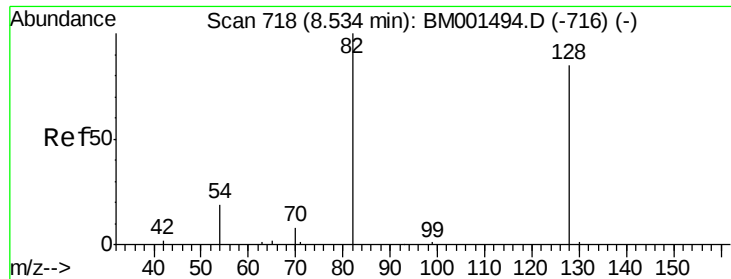
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.50 ng

RT: 8.53 min Scan# 718

Delta R.T. -0.00 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

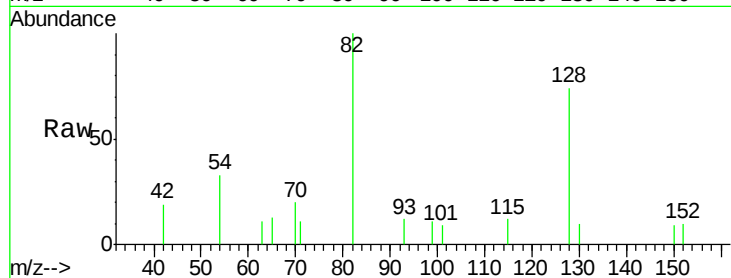
Tgt Ion: 82 Resp: 1249

Ion Ratio Lower Upper

82 100

128 73.6 68.2 102.2

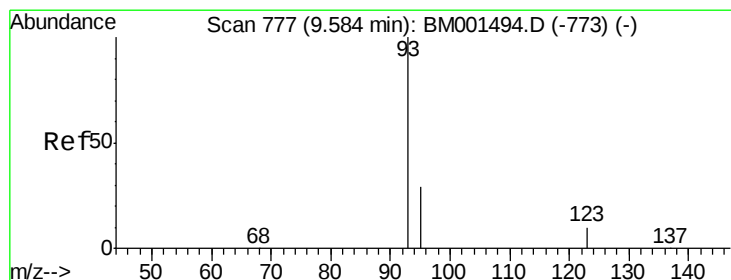
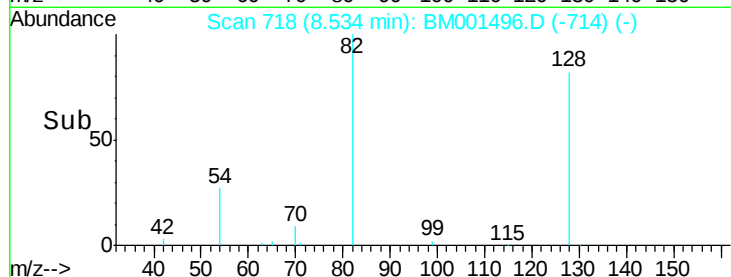
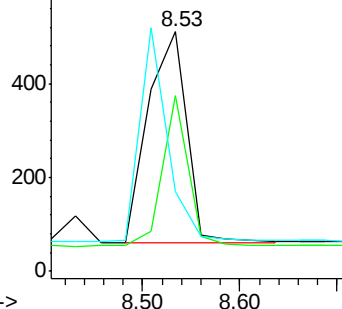
54 33.1 21.0 31.4#



Abundance Ion 82.00 (81.70 to 82.70): BM001496.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BM001496.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BM001496.D (-714) (-)



#8

bis(2-Chloroethoxy)methane

Concen: 0.58 ng

RT: 9.58 min Scan# 777

Delta R.T. -0.00 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

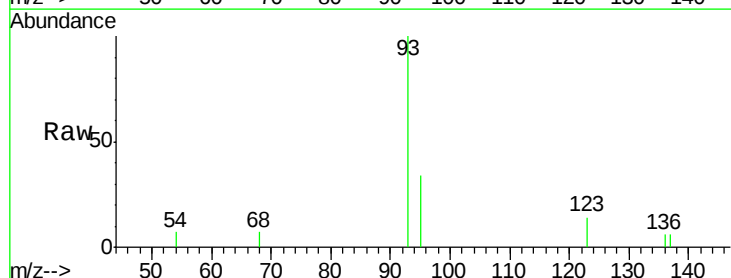
Tgt Ion: 93 Resp: 1448

Ion Ratio Lower Upper

93 100

95 33.6 25.0 37.6

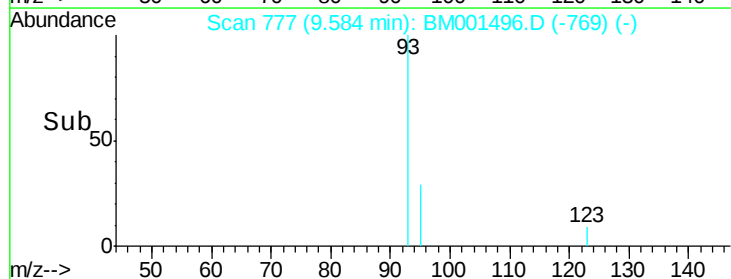
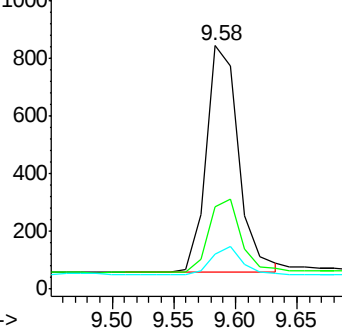
123 14.3 9.5 14.3#

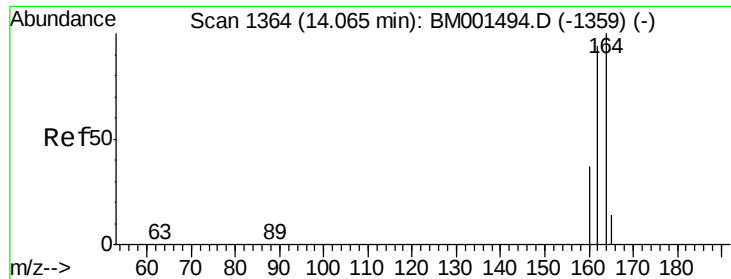


Abundance Ion 93.00 (92.70 to 93.70): BM001496.D (-769) (-)

Ion 95.00 (94.70 to 95.70): BM001496.D (-769) (-)

Ion 123.00 (122.70 to 123.70): BM001496.D (-769) (-)





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.06 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

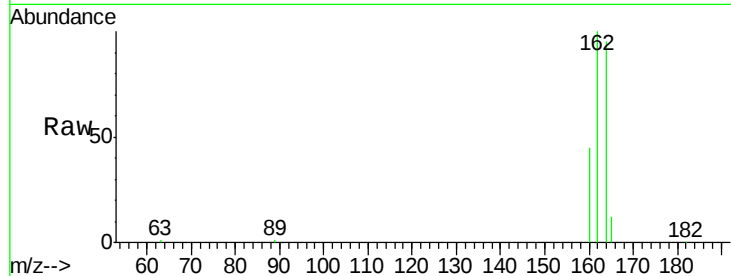
Tgt Ion:164 Resp: 24320

Ion Ratio Lower Upper

164 100

162 105.0 75.3 112.9

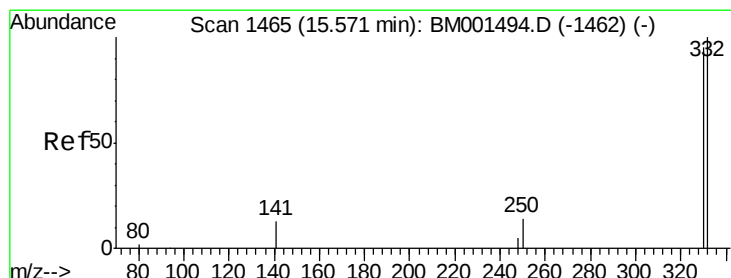
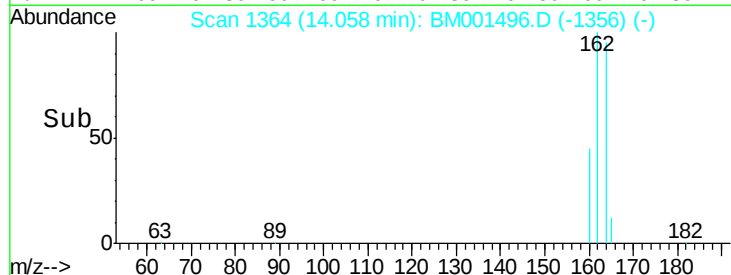
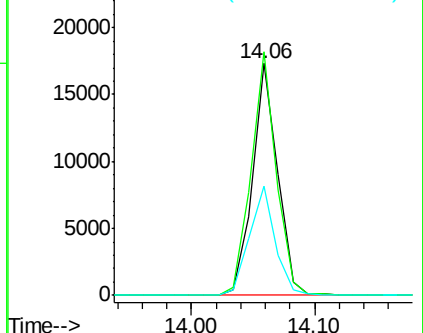
160 47.0 30.1 45.1#



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: 0.55 ng

RT: 15.56 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

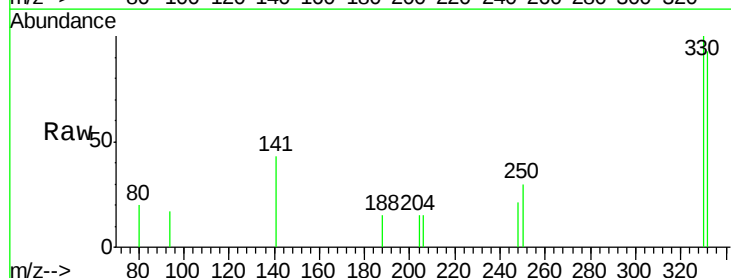
Tgt Ion:330 Resp: 417

Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

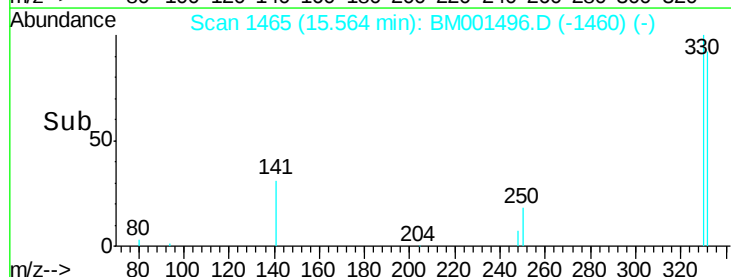
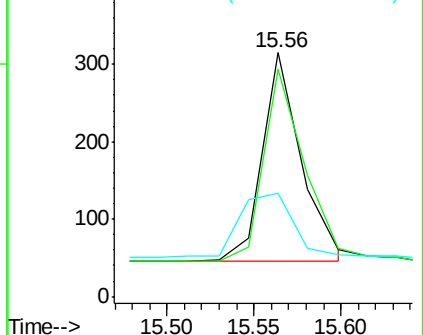
141 42.9 34.3 51.5

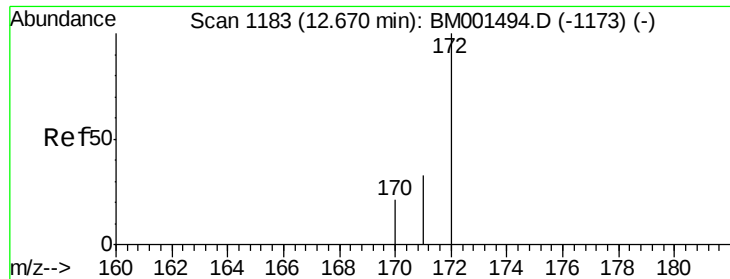


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

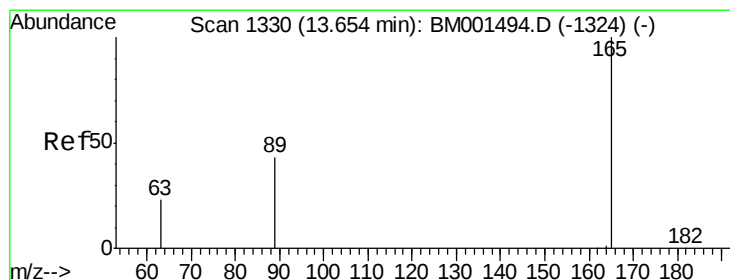
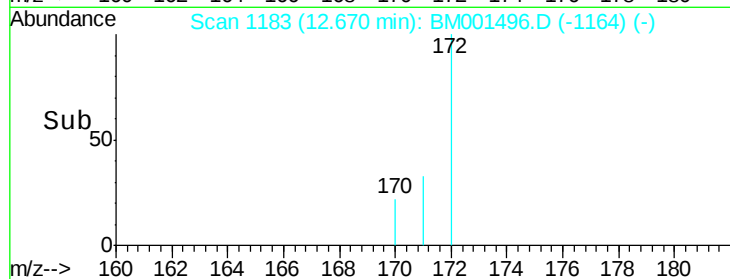
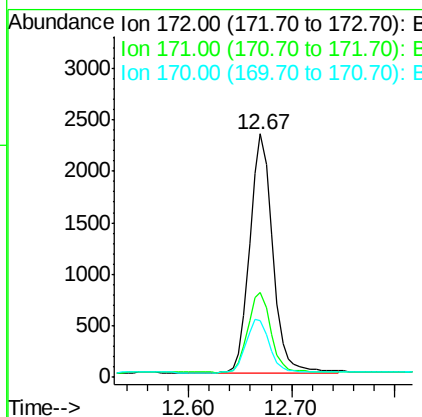
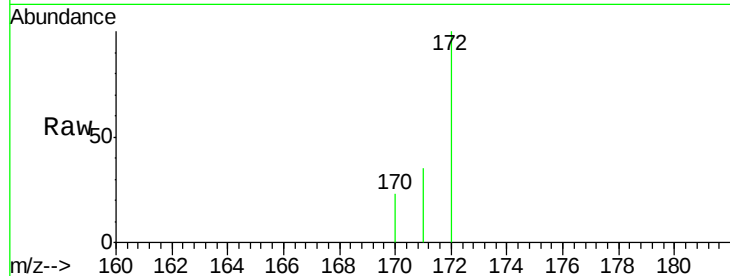




#11
2-Fluorobiphenyl
Concen: 0.52 ng
RT: 12.67 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BM001496.D
Acq: 31 May 2015 05:06

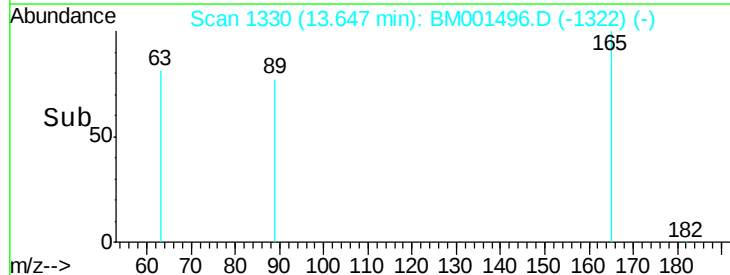
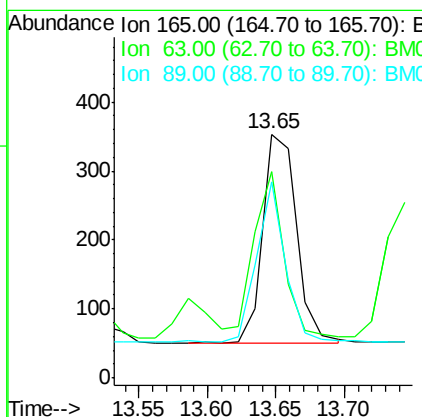
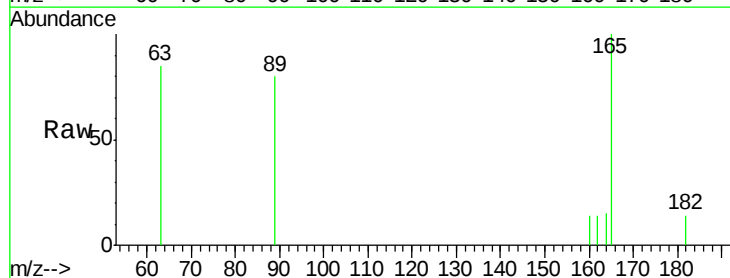
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.5

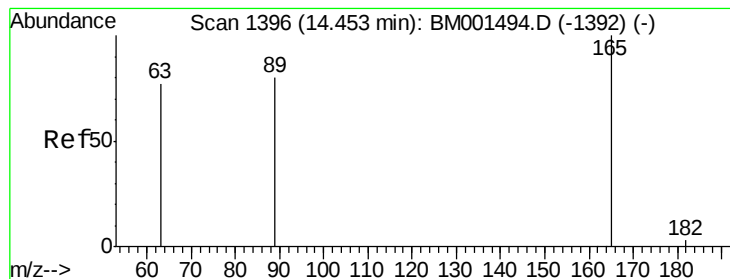
Tgt Ion:172 Resp: 3555
Ion Ratio Lower Upper
172 100
171 35.0 27.2 40.8
170 23.4 17.8 26.6



#12
2,6-Dinitrotoluene
Concen: 0.49 ng
RT: 13.65 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BM001496.D
Acq: 31 May 2015 05:06

Tgt Ion:165 Resp: 515
Ion Ratio Lower Upper
165 100
63 85.0 35.3 52.9#
89 80.5 37.4 56.2#





#13

2,4-Dinitrotoluene

Concen: 0.46 ng

RT: 14.46 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

Tgt Ion:165 Resp: 549

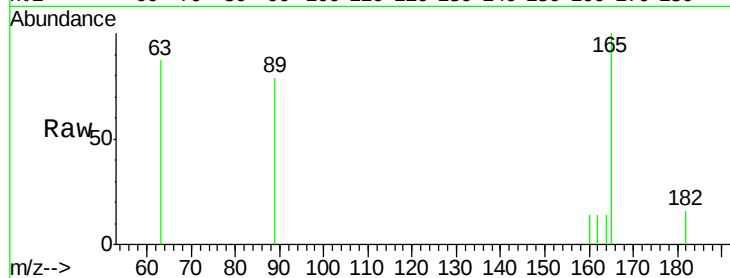
Ion Ratio Lower Upper

165 100

63 86.6 63.9 95.9

89 78.6 65.0 97.6

182 15.6 6.2 9.4#

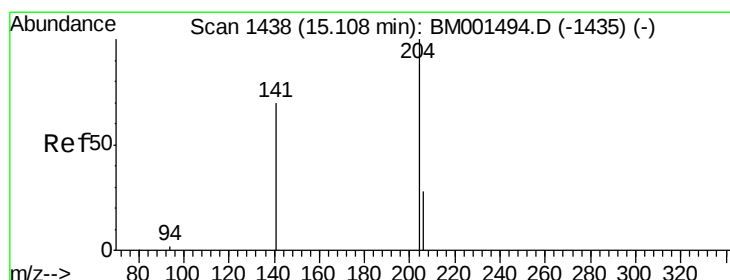
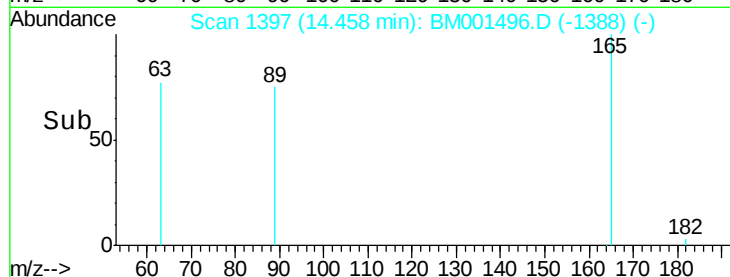
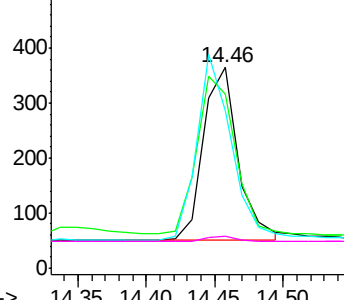


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.48 ng

RT: 15.12 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

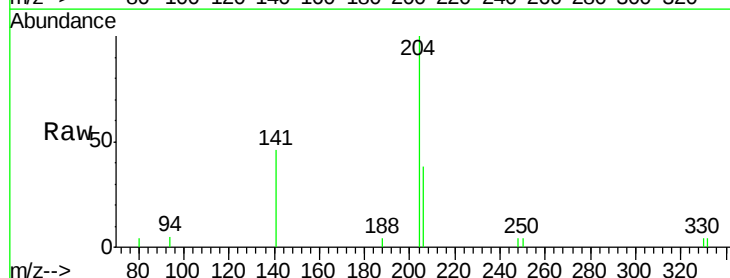
Tgt Ion:204 Resp: 1757

Ion Ratio Lower Upper

204 100

206 37.8 23.8 35.6#

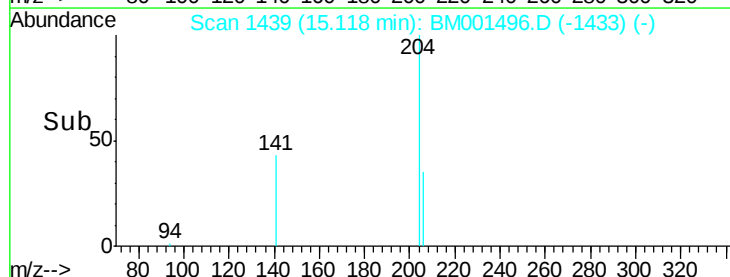
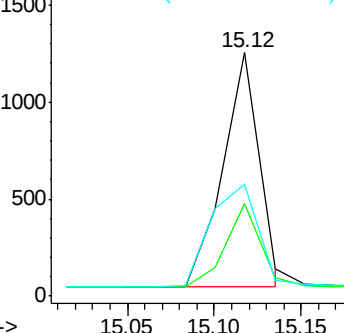
141 45.9 56.6 85.0#

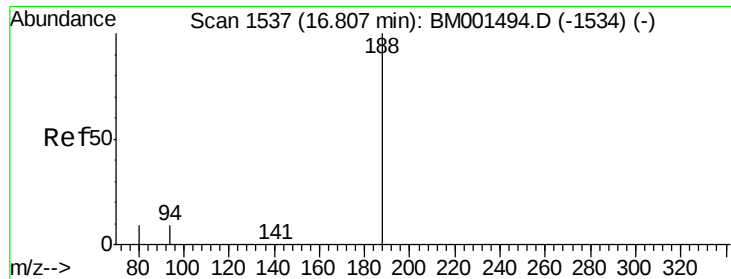


Abundance Ion 204.00 (203.70 to 204.70): E

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: 16.80 min Scan# 1537

Delta R.T. -0.01 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

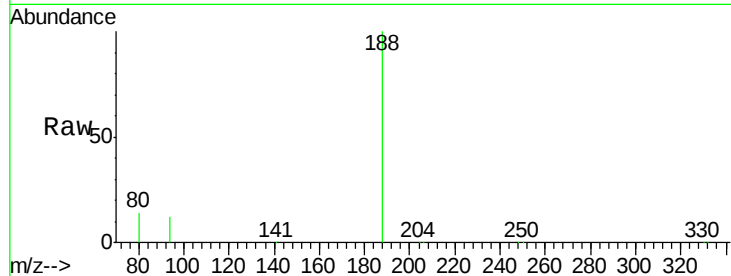
Tgt Ion:188 Resp: 49971

Ion Ratio Lower Upper

188 100

94 11.7 7.1 10.7#

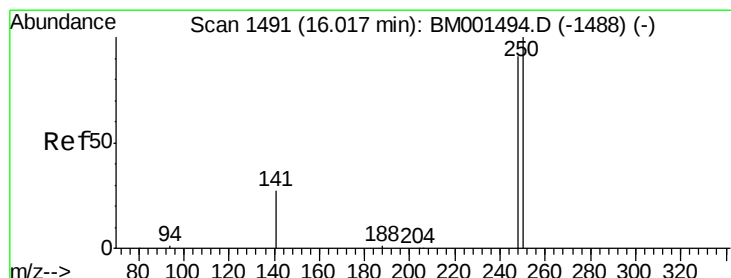
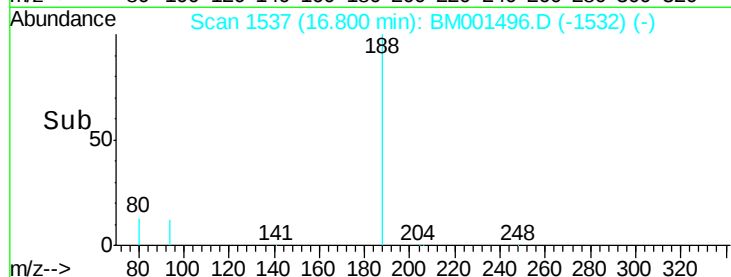
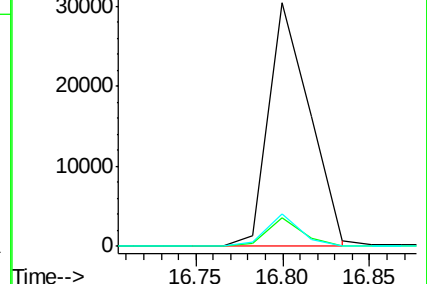
80 13.5 7.3 10.9#



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: 0.52 ng

RT: 16.01 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

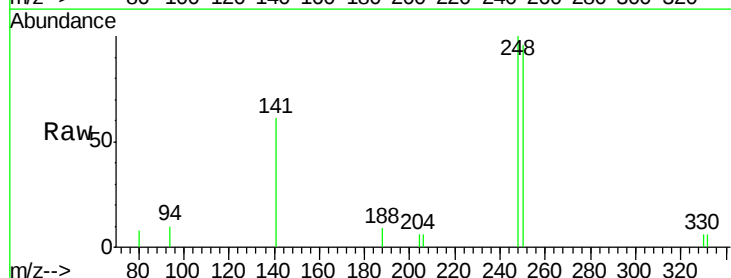
Tgt Ion:248 Resp: 1025

Ion Ratio Lower Upper

248 100

250 95.8 87.3 130.9

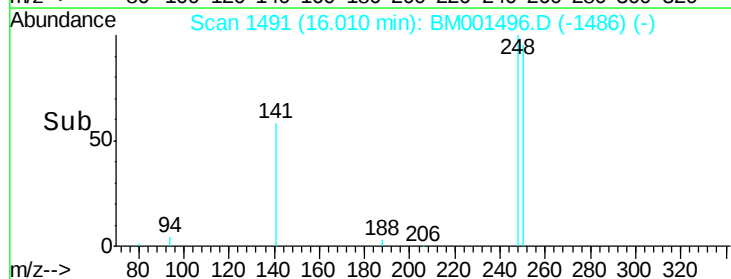
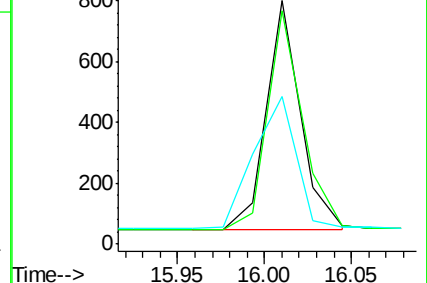
141 60.8 25.8 38.8#

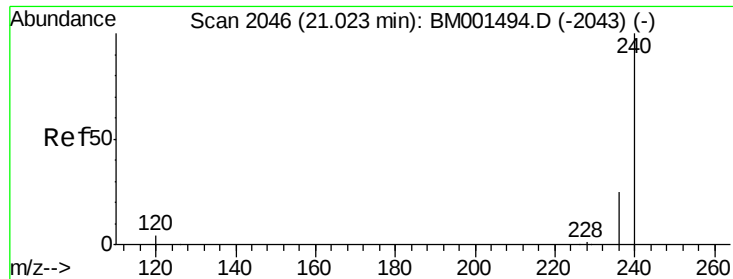


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

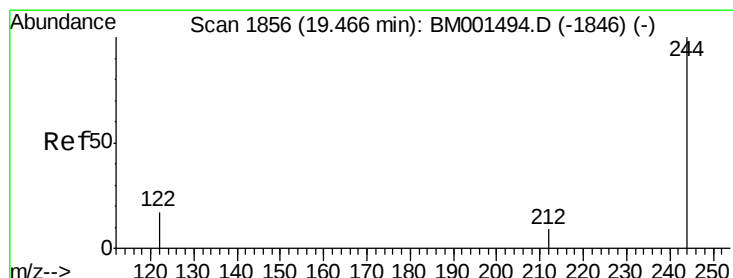
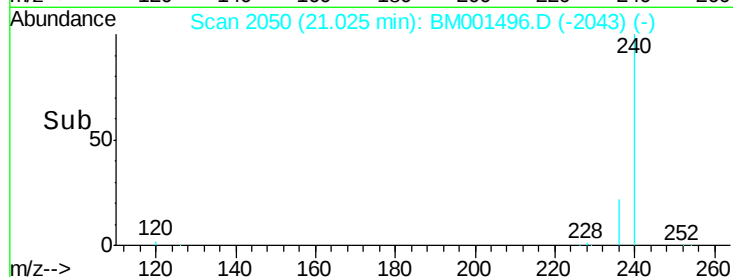
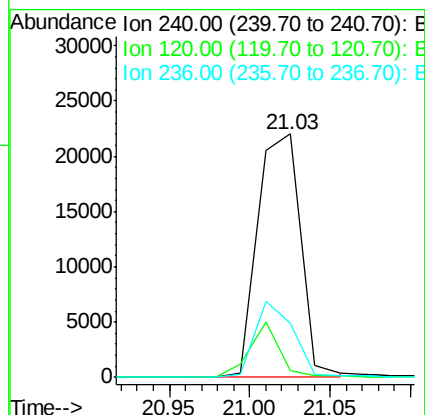
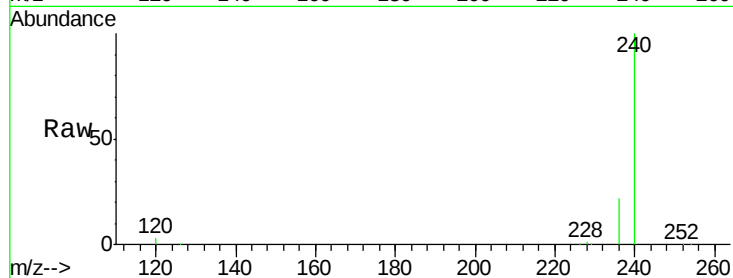




#17
Chrysene-d12
Concen: 5.00 ng
RT: 21.03 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BM001496.D
Acq: 31 May 2015 05:06

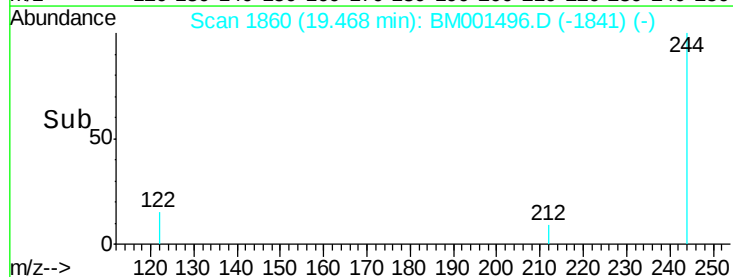
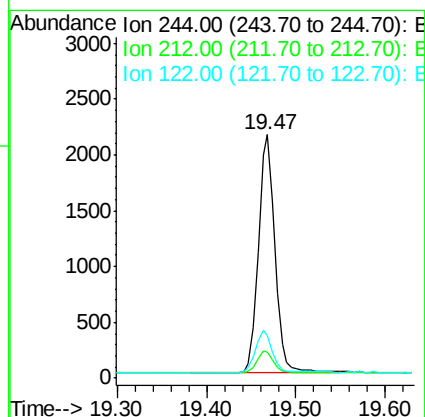
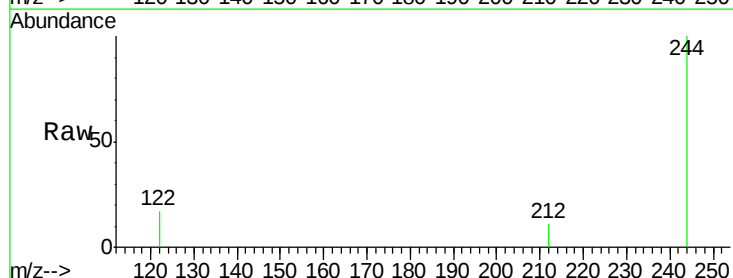
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.5

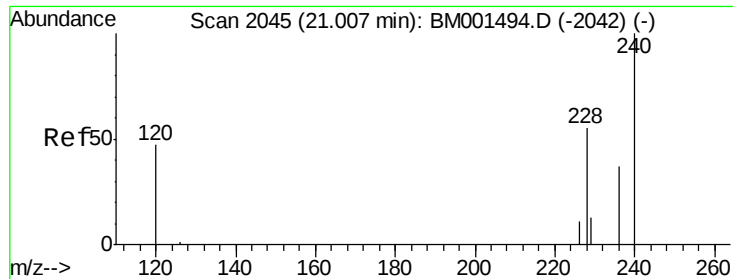
Tgt Ion:240 Resp: 40885
Ion Ratio Lower Upper
240 100
120 2.6 3.7 5.5#
236 22.4 19.8 29.8



#18
Terphenyl-d14
Concen: 0.54 ng
RT: 19.47 min Scan# 1860
Delta R.T. 0.00 min
Lab File: BM001496.D
Acq: 31 May 2015 05:06

Tgt Ion:244 Resp: 2757
Ion Ratio Lower Upper
244 100
212 10.9 8.0 12.0
122 17.5 14.1 21.1





#19

Benzo(a)anthracene

Concen: 2.22 ng

RT: 20.99 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.5

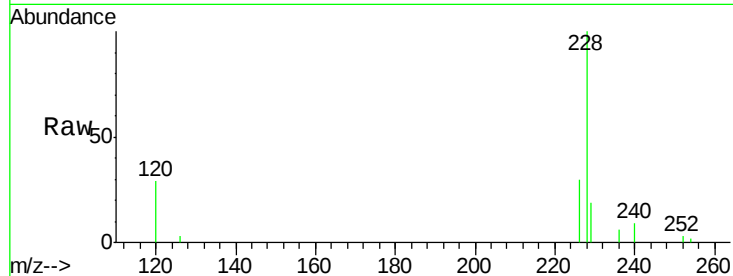
Tgt Ion:228 Resp: 5709

Ion Ratio Lower Upper

228 100

226 29.6 17.5 26.3#

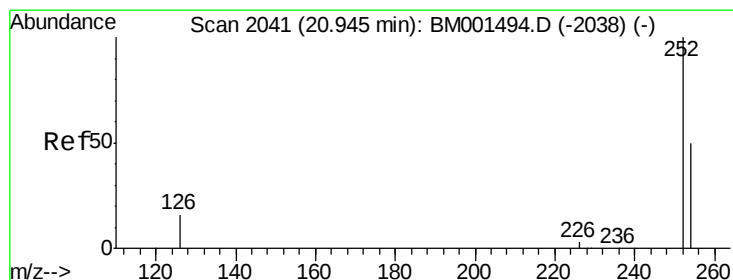
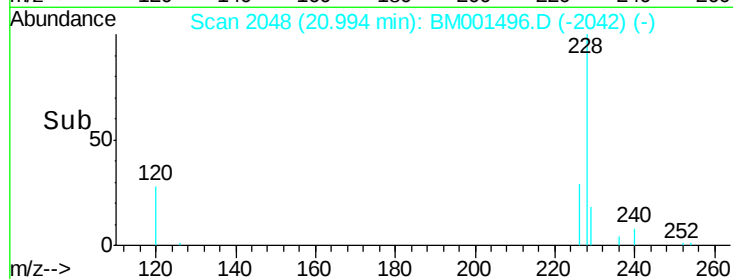
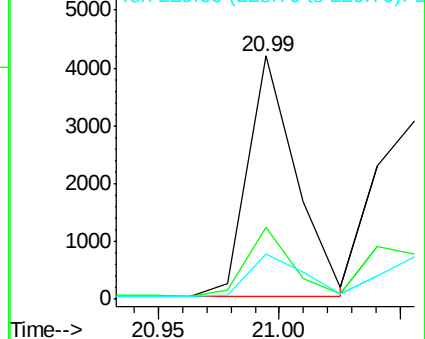
229 18.7 19.0 28.4#



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: 0.62 ng

RT: 20.95 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BM001496.D

Acq: 31 May 2015 05:06

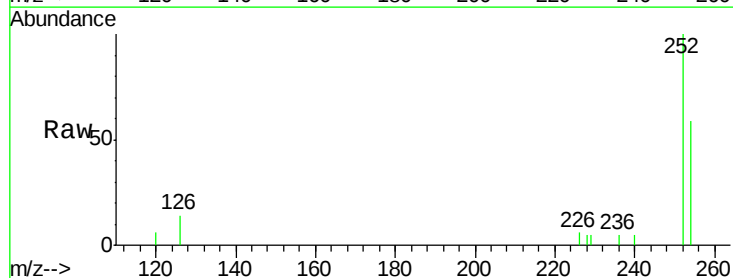
Tgt Ion:252 Resp: 1679

Ion Ratio Lower Upper

252 100

254 59.2 41.2 61.8

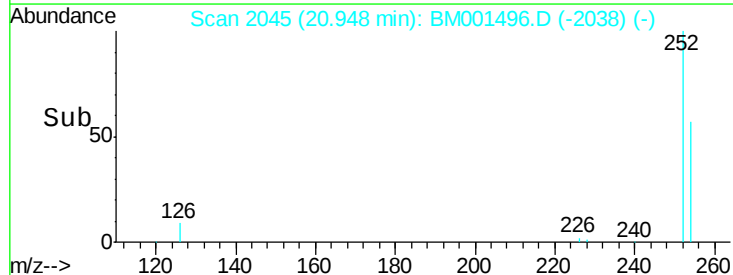
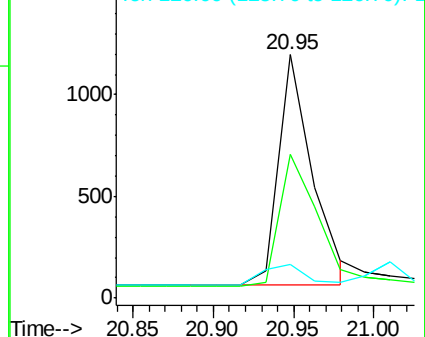
126 14.0 14.7 22.1#

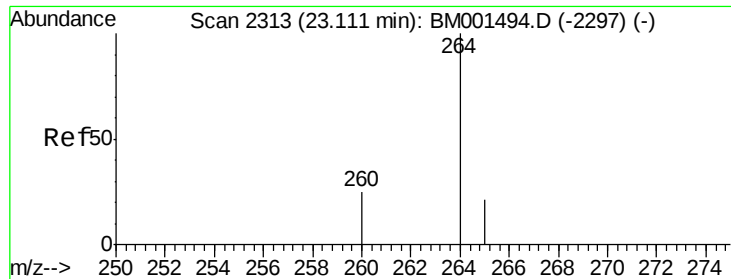


Abundance Ion 252.00 (251.70 to 252.70): E

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# 2318
Delta R.T. -0.00 min
Lab File: BM001496.D
Acq: 31 May 2015 05:06

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.5

Tgt Ion: 264 Resp: 36214
Ion Ratio Lower Upper
264 100
260 24.2 19.8 29.8
265 22.5 18.0 27.0

