

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053115\
 Data File : BM001494.D
 Acq On : 31 May 2015 03:54
 Operator : TP/IZ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICCC001

Quant Time: May 31 05:14:04 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	13029	5.00	ng	0.00
6) Naphthalene-d8	10.15	136	49894	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	25979	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	52013	5.00	ng	0.00
17) Chrysene-d12	21.02	240	40526	5.00	ng	0.00
21) Perylene-d12	23.11	264	35538	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	2613	1.21	ng	0.00
3) Phenol-d6	6.57	99	3527	1.53	ng	0.00
7) Nitrobenzene-d5	8.53	82	2541	0.94	ng	0.00
10) 2,4,6-Tribromophenol	15.57	330	886	1.10	ng	0.00
11) 2-Fluorobiphenyl	12.67	172	7535	1.03	ng	0.00
18) Terphenyl-d14	19.47	244	5464	1.08	ng	0.00

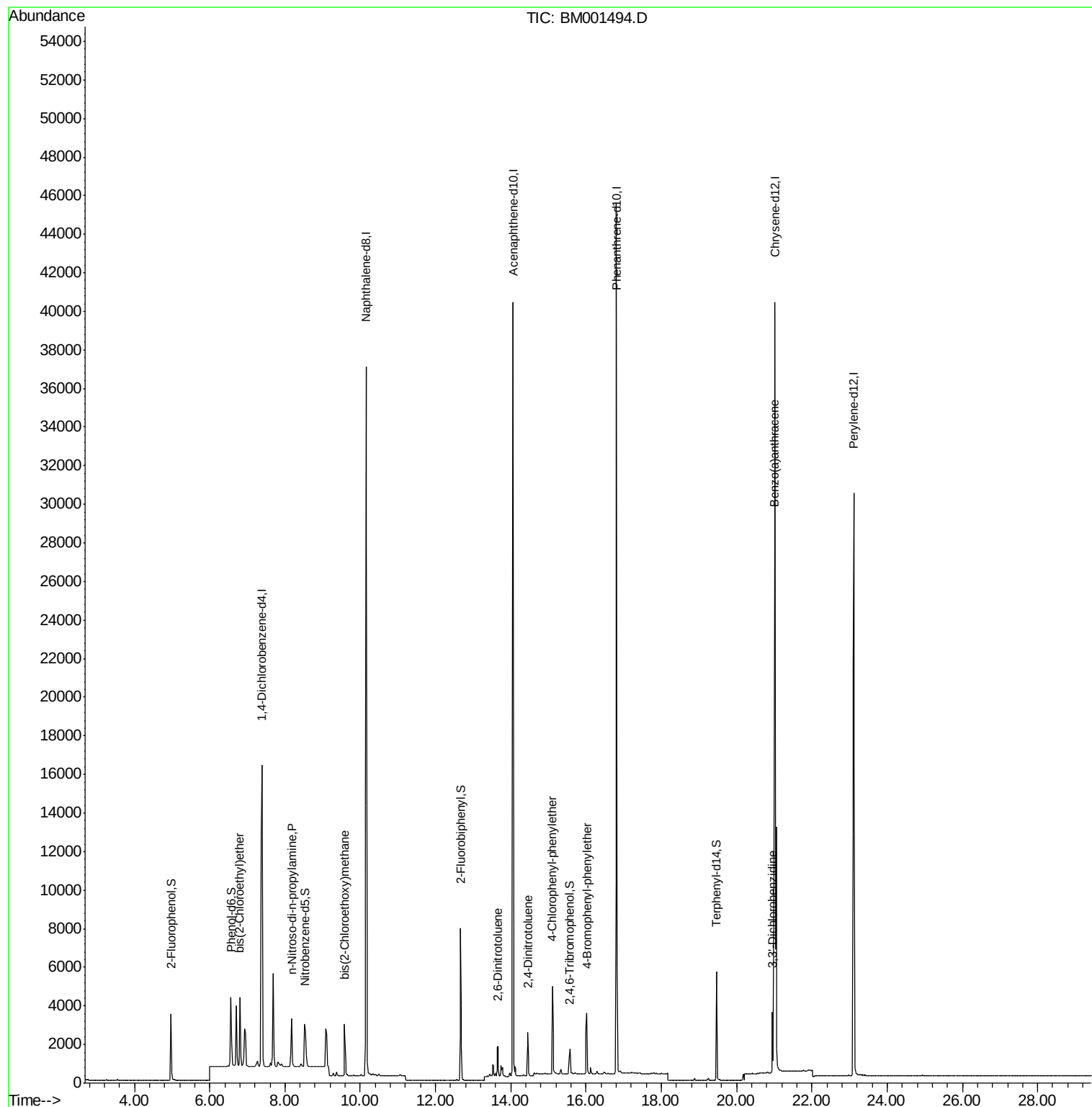
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.80	93	2748	1.14	ng	100
5) n-Nitroso-di-n-propylamine	8.18	70	2015	1.40	ng	100
8) bis(2-Chloroethoxy)methane	9.58	93	3217	1.18	ng	100
12) 2,6-Dinitrotoluene	13.65	165	1181	1.06	ng	100
13) 2,4-Dinitrotoluene	14.45	165	1300	1.01	ng	100
14) 4-Chlorophenyl-phenylether	15.11	204	3659	0.94	ng	100
16) 4-Bromophenyl-phenylether	16.02	248	2100	1.03	ng	100
19) Benzo(a)anthracene	21.01	228	10670	4.19	ng	100
20) 3,3'-Dichlorobenzidine	20.95	252	3401	1.26	ng	100

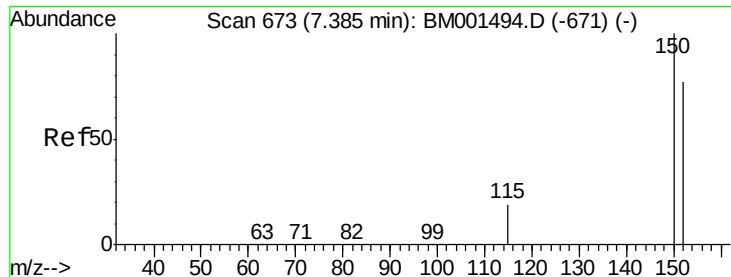
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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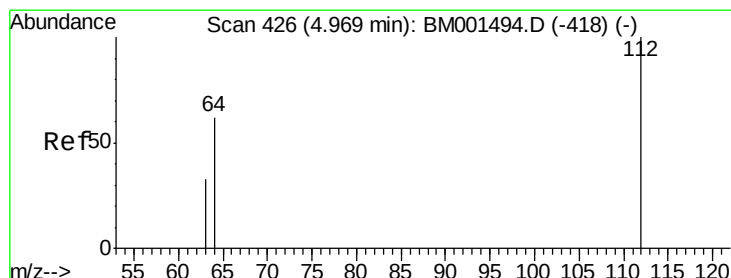
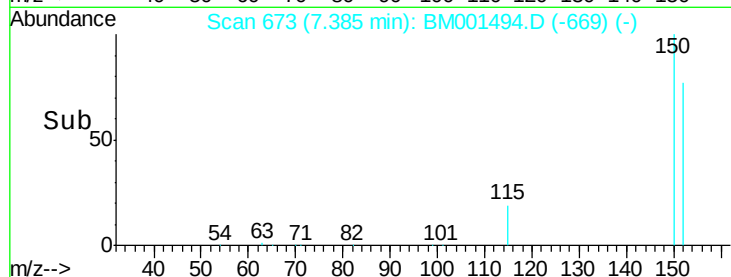
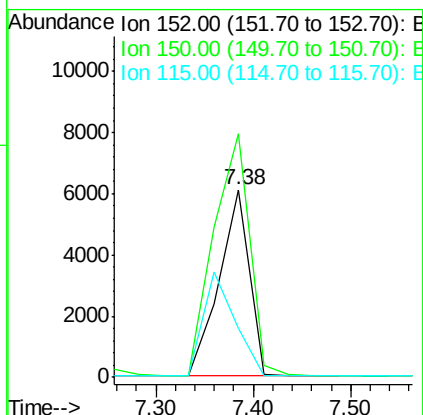
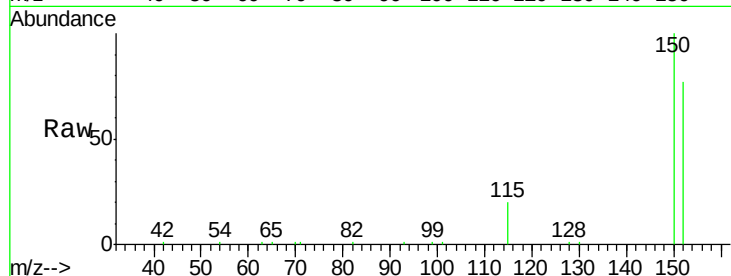


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.38 min Scan# 673
Delta R.T. 0.00 min
Lab File: BM001494.D
Acq: 31 May 2015 03:54

Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

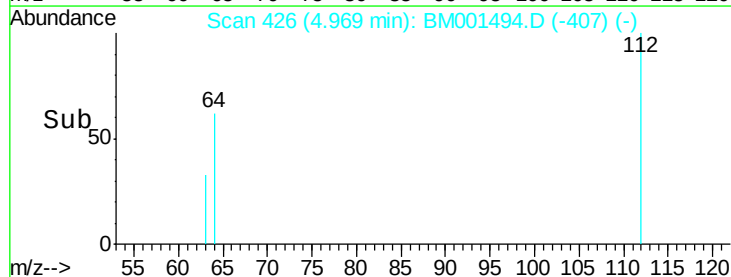
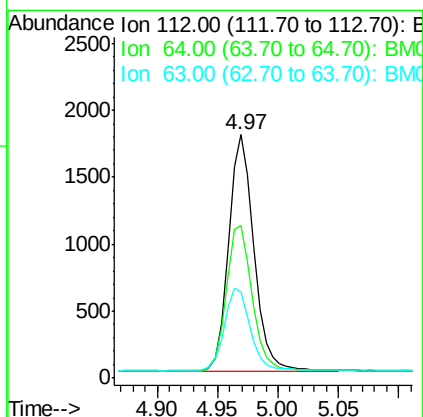
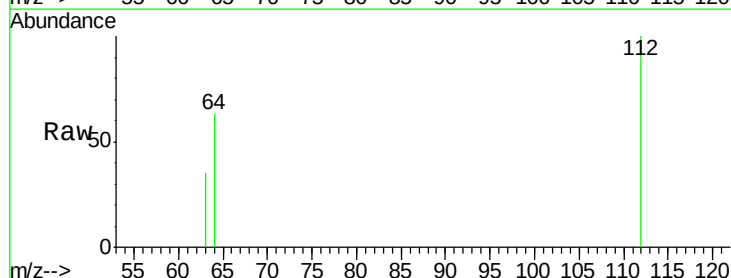
Tgt Ion:152 Resp: 13029
Ion Ratio Lower Upper
152 100
150 129.8 103.8 155.8
115 25.9 20.7 31.1

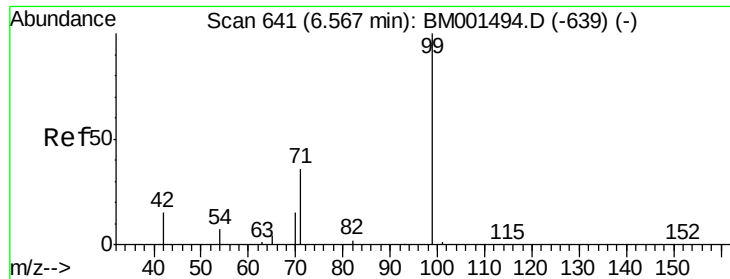


#2

2-Fluorophenol
Concen: 1.21 ng
RT: 4.97 min Scan# 426
Delta R.T. 0.00 min
Lab File: BM001494.D
Acq: 31 May 2015 03:54

Tgt Ion:112 Resp: 2613
Ion Ratio Lower Upper
112 100
64 62.7 50.2 75.2
63 35.3 28.2 42.4





#3

Phenol-d6

Concen: 1.53 ng

RT: 6.57 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM001494.D

Acq: 31 May 2015 03:54

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

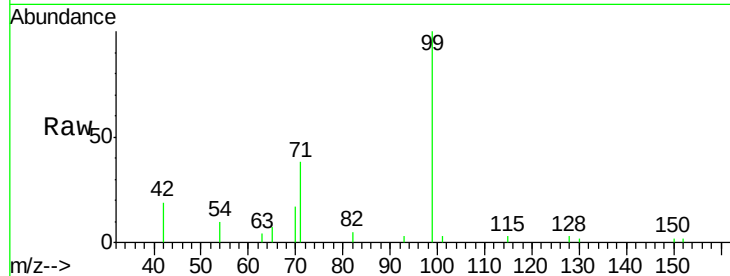
Tgt Ion: 99 Resp: 3527

Ion Ratio Lower Upper

99 100

42 19.0 15.2 22.8

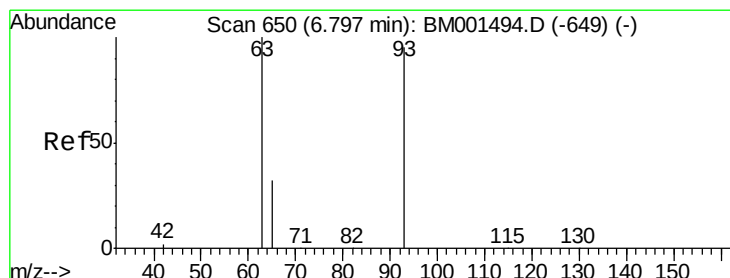
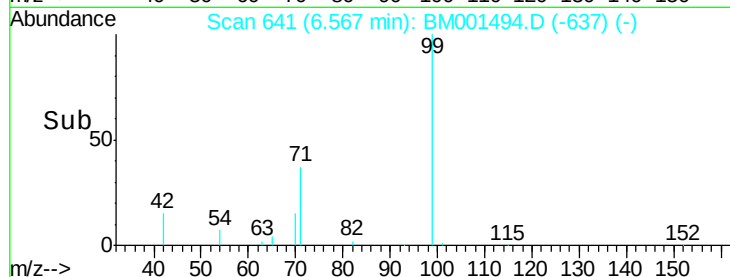
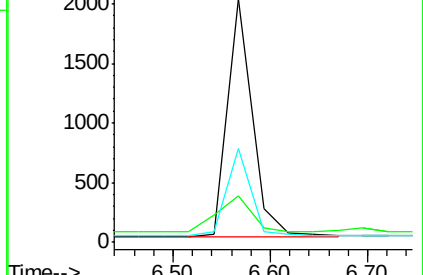
71 38.3 30.6 46.0



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: 1.14 ng

RT: 6.80 min Scan# 650

Delta R.T. 0.00 min

Lab File: BM001494.D

Acq: 31 May 2015 03:54

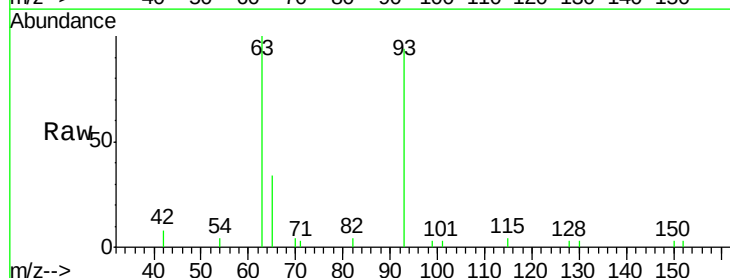
Tgt Ion: 93 Resp: 2748

Ion Ratio Lower Upper

93 100

63 106.8 86.8 126.8

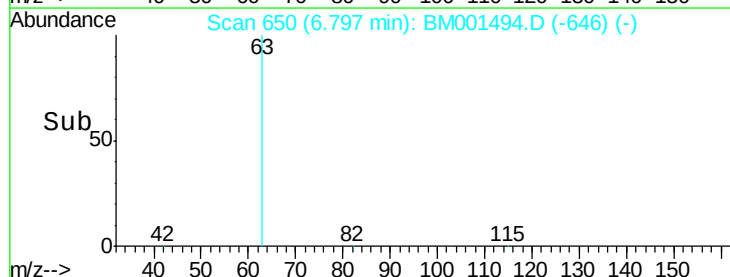
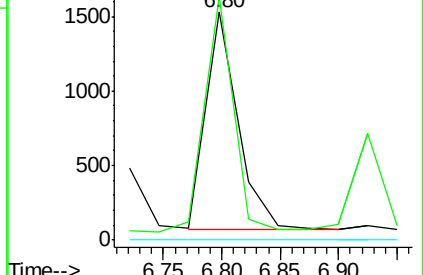
95 0.0 0.0 20.0

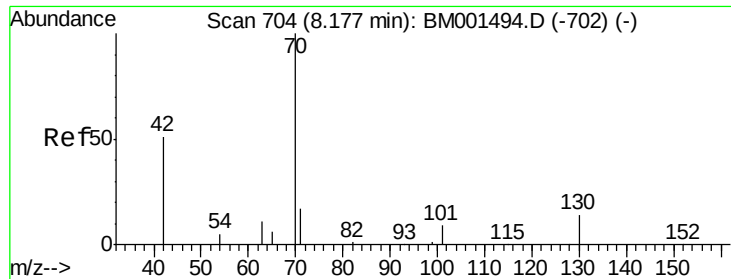


Abundance Ion 93.00 (92.70 to 93.70): BM001494.D (-649) (-)

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: 1.40 ng

RT: 8.18 min Scan# 704

Delta R.T. 0.00 min

Lab File: BM001494.D

Acq: 31 May 2015 03:54

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

Tgt Ion: 70 Resp: 2015

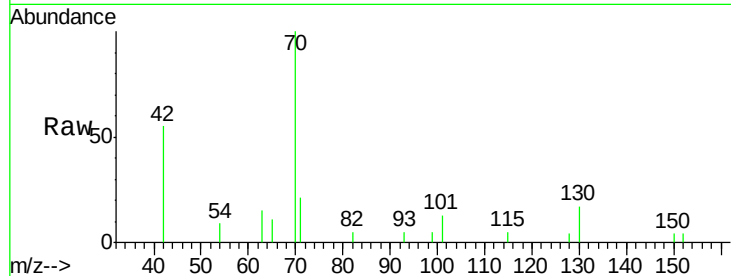
Ion Ratio Lower Upper

70 100

42 55.2 44.2 66.2

101 12.9 10.3 15.5

130 17.4 13.9 20.9

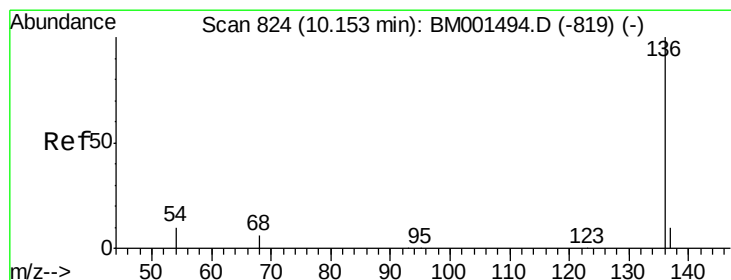
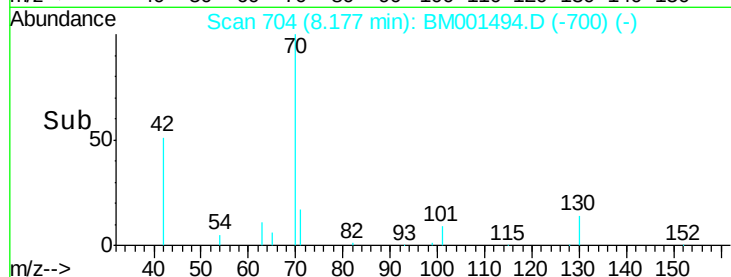
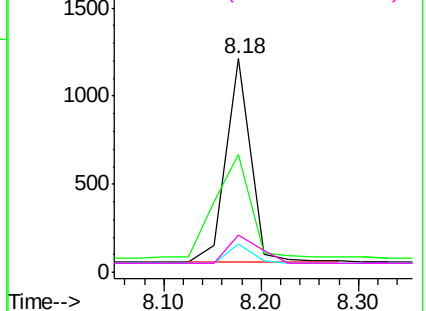


Abundance Ion 70.00 (69.70 to 70.70): BM0

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: BM001494.D

Acq: 31 May 2015 03:54

Tgt Ion: 136 Resp: 49894

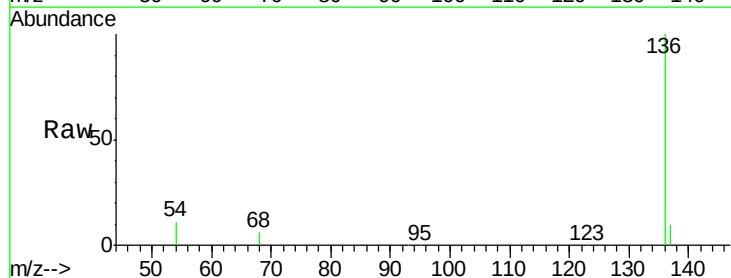
Ion Ratio Lower Upper

136 100

137 10.4 8.3 12.5

54 10.6 8.5 12.7

68 6.2 5.0 7.4

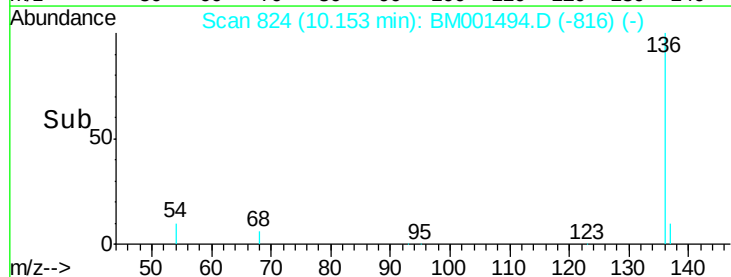
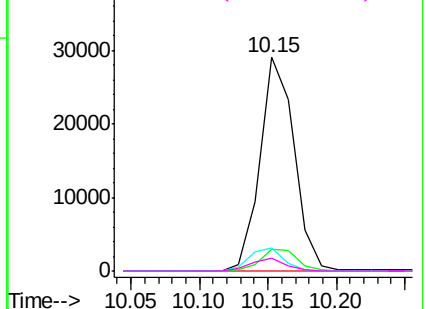


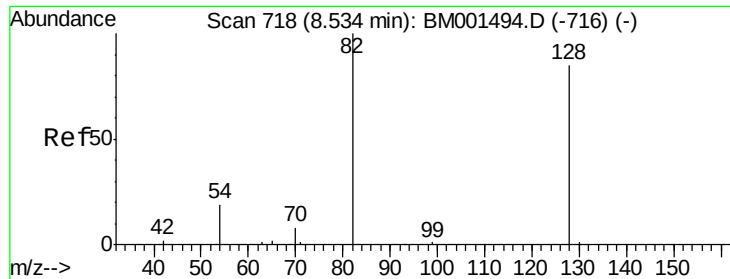
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.94 ng

RT: 8.53 min Scan# 718

Delta R.T. 0.00 min

Lab File: BM001494.D

Acq: 31 May 2015 03:54

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

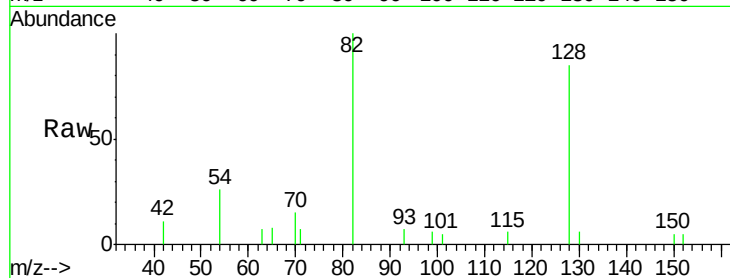
Tgt Ion: 82 Resp: 2541

Ion Ratio Lower Upper

82 100

128 85.2 68.2 102.2

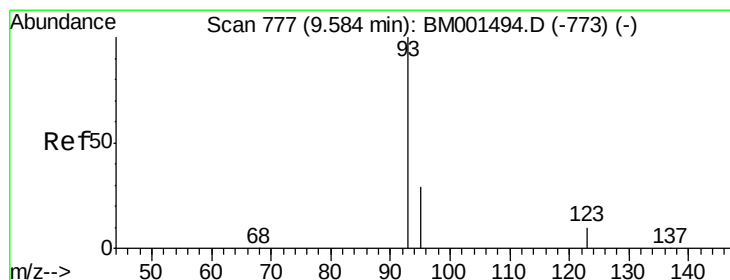
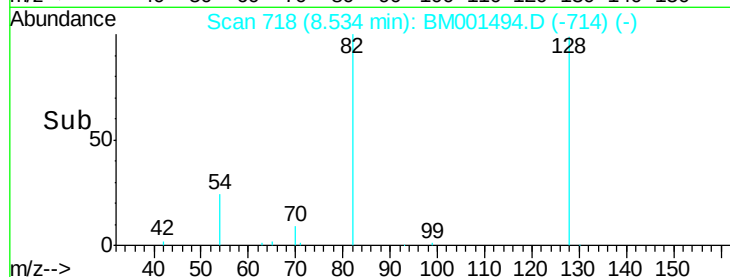
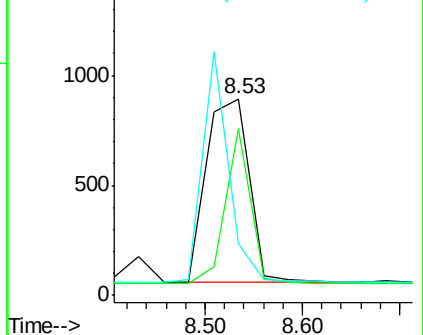
54 26.2 21.0 31.4



Abundance Ion 82.00 (81.70 to 82.70): BM001494.D (-716) (-)

Ion 128.00 (127.70 to 128.70): BM001494.D (-716) (-)

Ion 54.00 (53.70 to 54.70): BM001494.D (-716) (-)



#8

bis(2-Chloroethoxy)methane

Concen: 1.18 ng

RT: 9.58 min Scan# 777

Delta R.T. 0.00 min

Lab File: BM001494.D

Acq: 31 May 2015 03:54

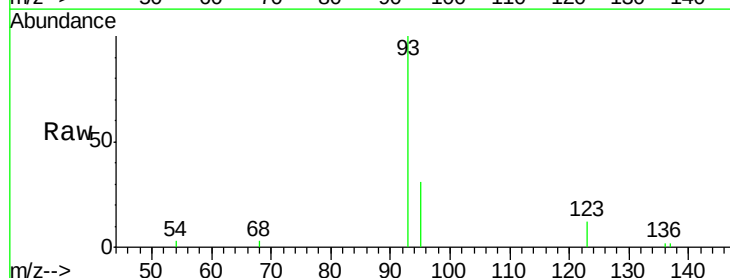
Tgt Ion: 93 Resp: 3217

Ion Ratio Lower Upper

93 100

95 31.3 25.0 37.6

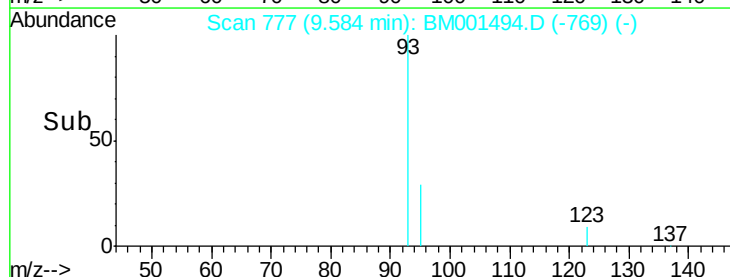
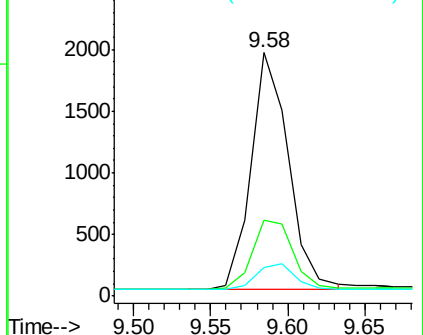
123 11.9 9.5 14.3

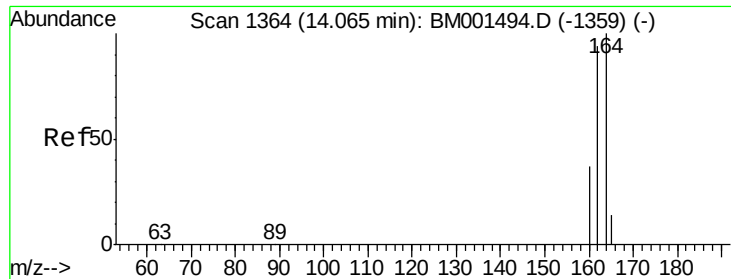


Abundance Ion 93.00 (92.70 to 93.70): BM001494.D (-773) (-)

Ion 95.00 (94.70 to 95.70): BM001494.D (-773) (-)

Ion 123.00 (122.70 to 123.70): BM001494.D (-773) (-)





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BM001494.D

Acq: 31 May 2015 03:54

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

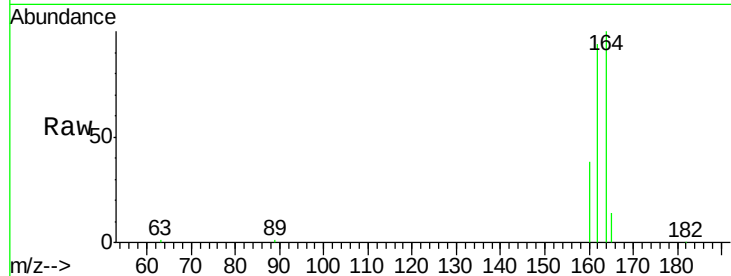
Tgt Ion:164 Resp: 25979

Ion Ratio Lower Upper

164 100

162 94.1 75.3 112.9

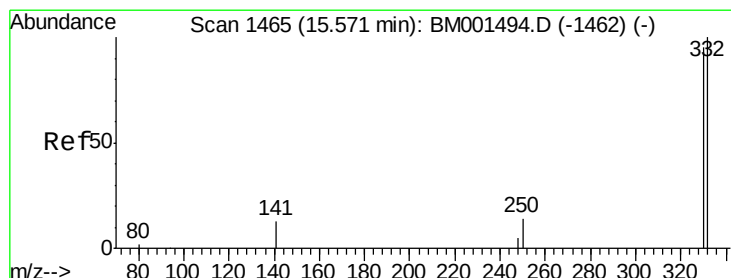
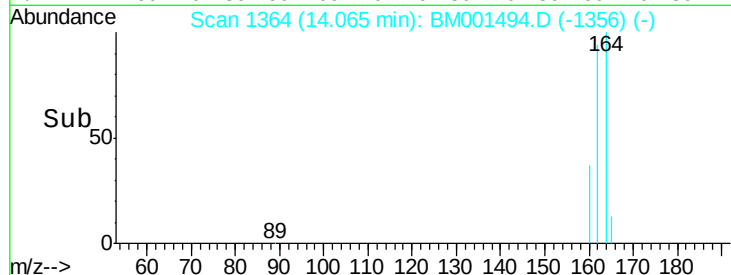
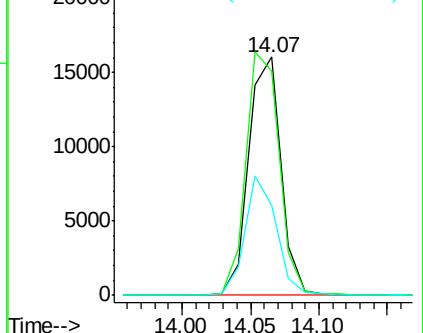
160 37.6 30.1 45.1



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: 1.10 ng

RT: 15.57 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM001494.D

Acq: 31 May 2015 03:54

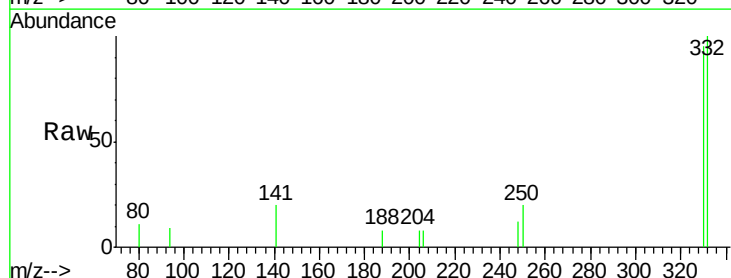
Tgt Ion:330 Resp: 886

Ion Ratio Lower Upper

330 100

332 97.0 77.6 116.4

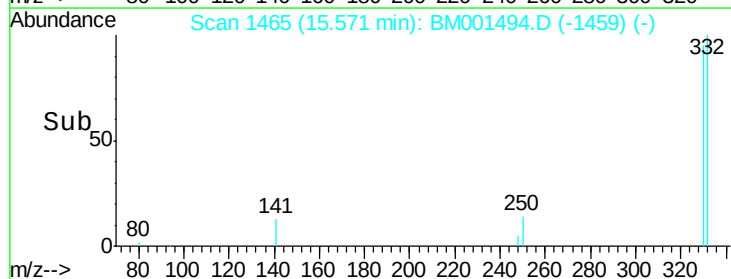
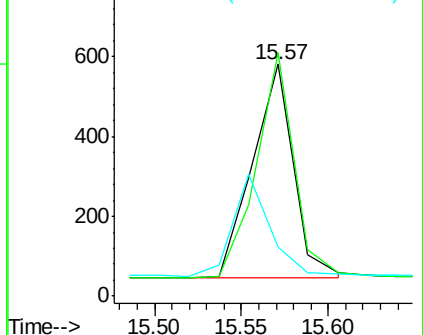
141 42.9 34.3 51.5

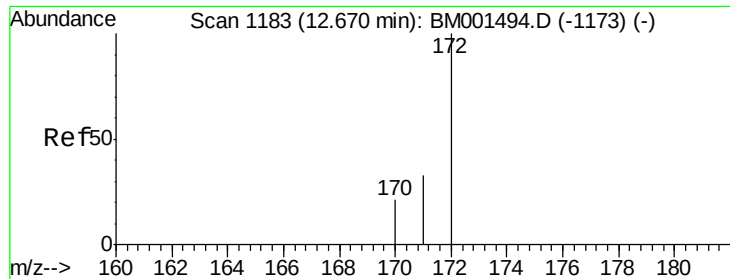


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

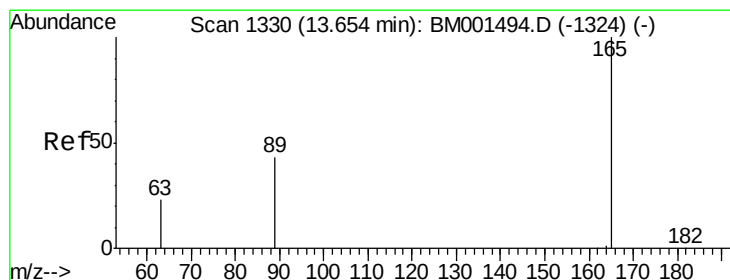
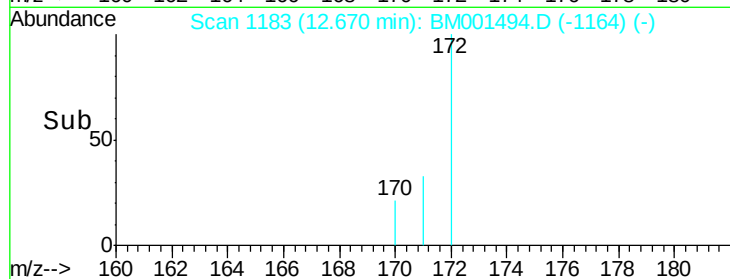
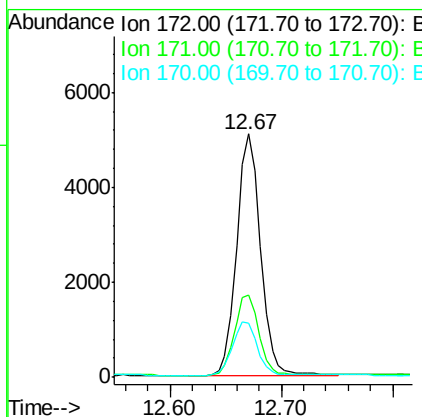
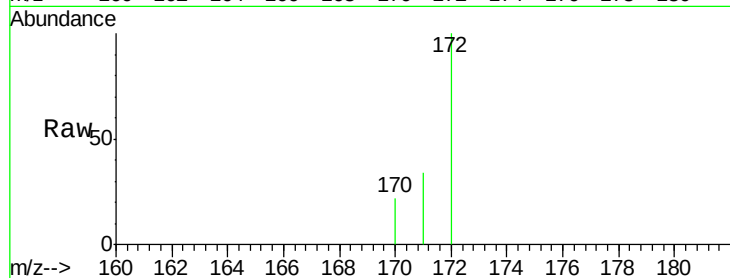




#11
2-Fluorobiphenyl
Concen: 1.03 ng
RT: 12.67 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BM001494.D
Acq: 31 May 2015 03:54

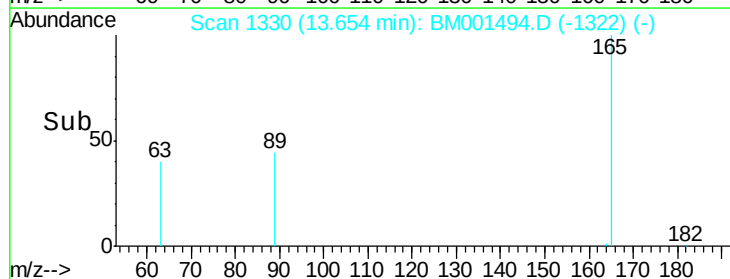
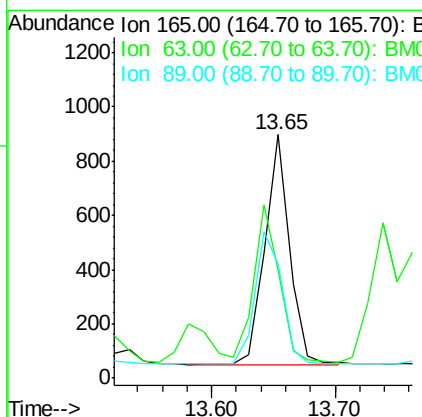
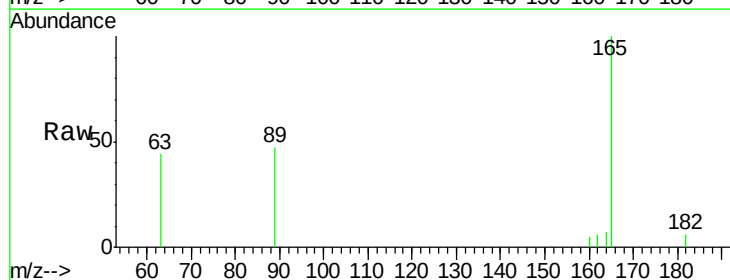
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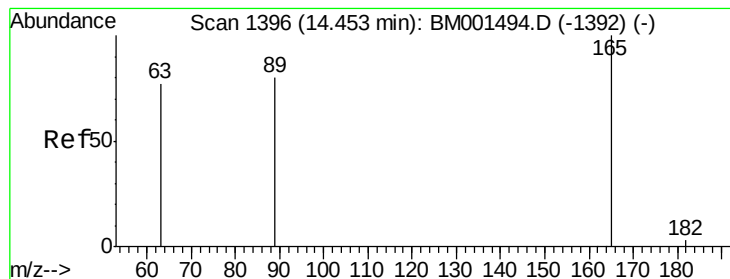
Tgt Ion:172 Resp: 7535
Ion Ratio Lower Upper
172 100
171 34.0 27.2 40.8
170 22.2 17.8 26.6



#12
2,6-Dinitrotoluene
Concen: 1.06 ng
RT: 13.65 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BM001494.D
Acq: 31 May 2015 03:54

Tgt Ion:165 Resp: 1181
Ion Ratio Lower Upper
165 100
63 44.1 35.3 52.9
89 46.8 37.4 56.2





#13

2,4-Dinitrotoluene

Concen: 1.01 ng

RT: 14.45 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BM001494.D

Acq: 31 May 2015 03:54

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

Tgt Ion:165 Resp: 1300

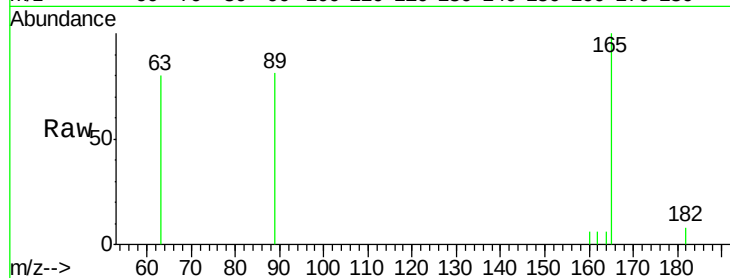
Ion Ratio Lower Upper

165 100

63 79.9 63.9 95.9

89 81.3 65.0 97.6

182 7.8 6.2 9.4

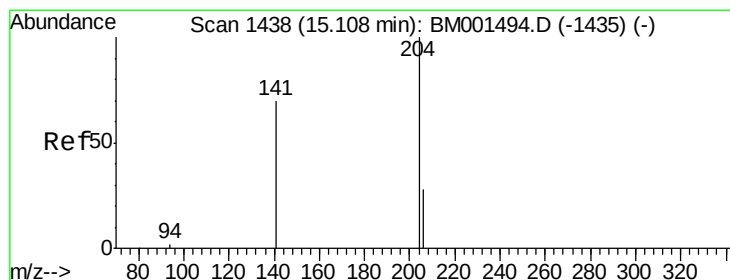
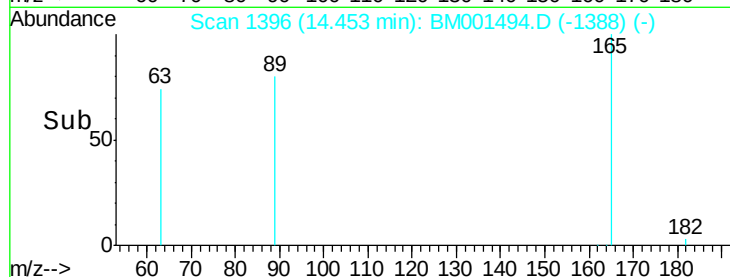
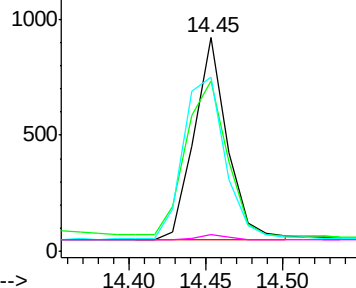


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.94 ng

RT: 15.11 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BM001494.D

Acq: 31 May 2015 03:54

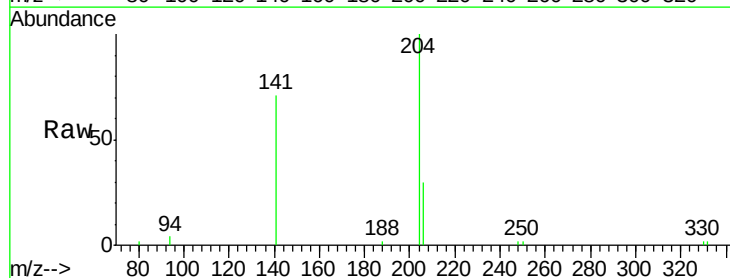
Tgt Ion:204 Resp: 3659

Ion Ratio Lower Upper

204 100

206 29.7 23.8 35.6

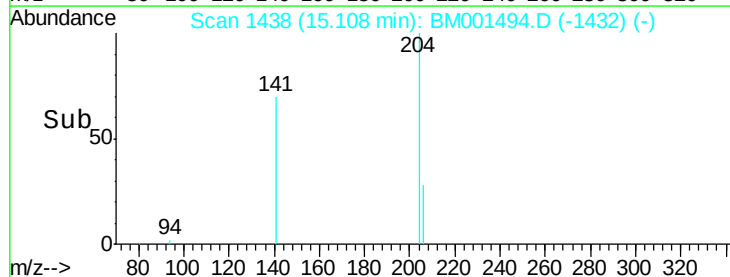
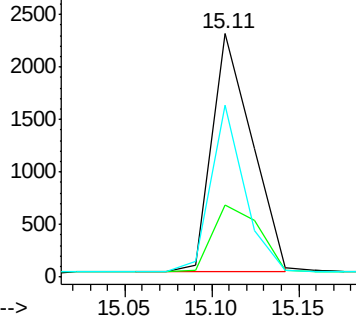
141 70.8 56.6 85.0

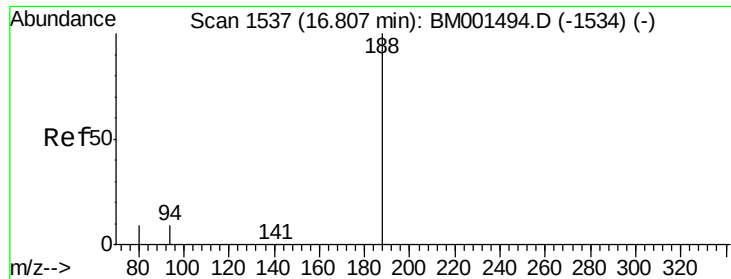


Abundance Ion 204.00 (203.70 to 204.70): E

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: 16.81 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BM001494.D

Acq: 31 May 2015 03:54

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

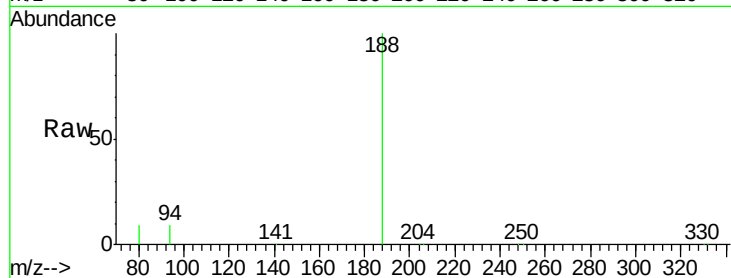
Tgt Ion:188 Resp: 52013

Ion Ratio Lower Upper

188 100

94 8.9 7.1 10.7

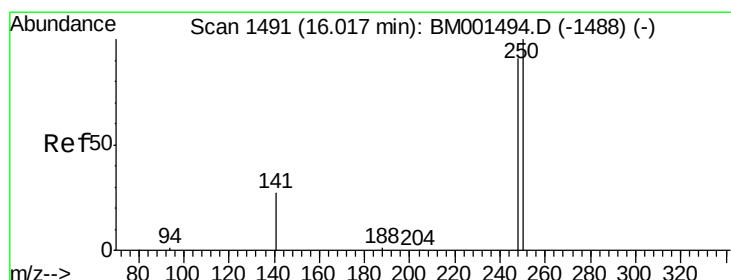
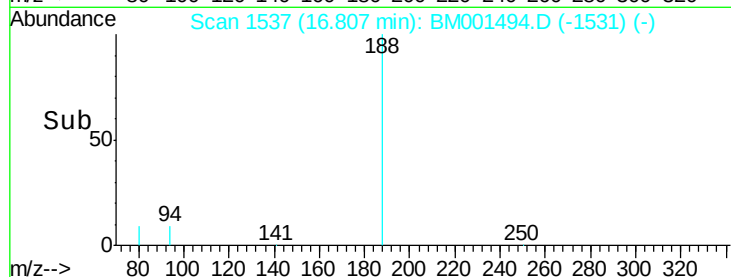
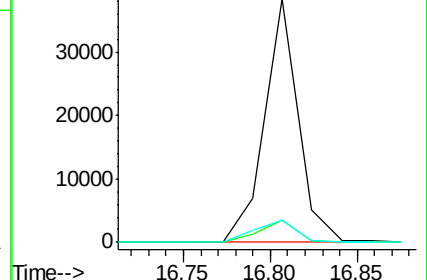
80 9.1 7.3 10.9



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: 1.03 ng

RT: 16.02 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BM001494.D

Acq: 31 May 2015 03:54

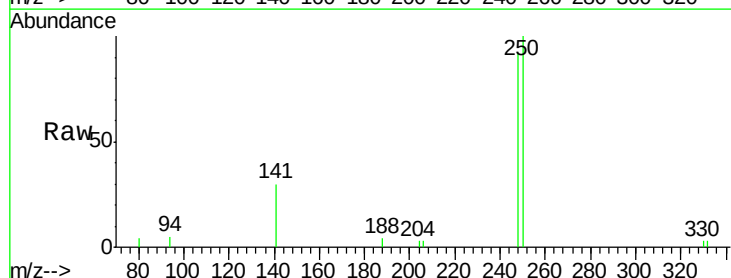
Tgt Ion:248 Resp: 2100

Ion Ratio Lower Upper

248 100

250 109.1 87.3 130.9

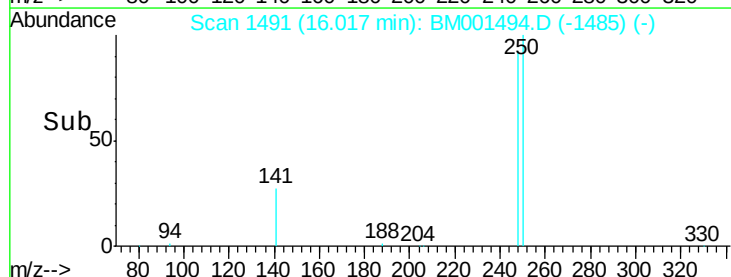
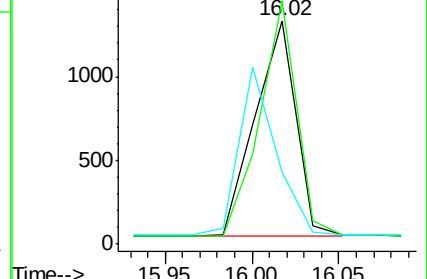
141 32.3 25.8 38.8

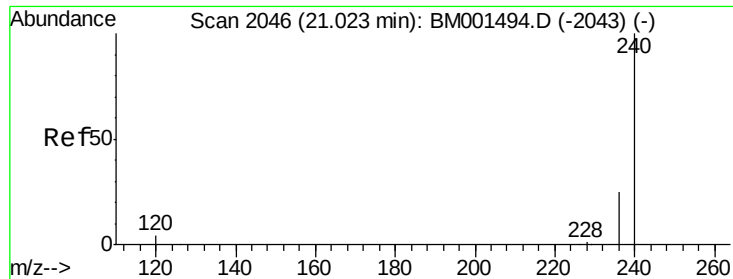


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

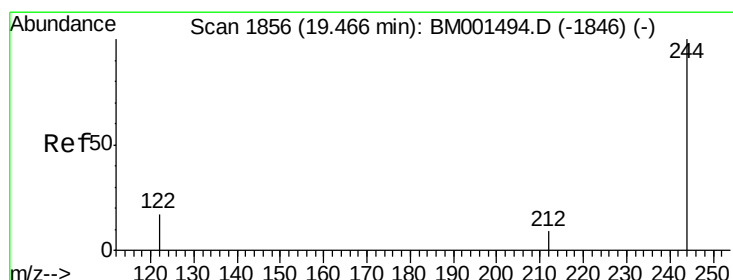
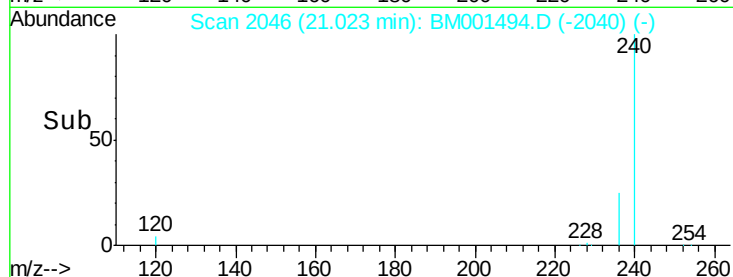
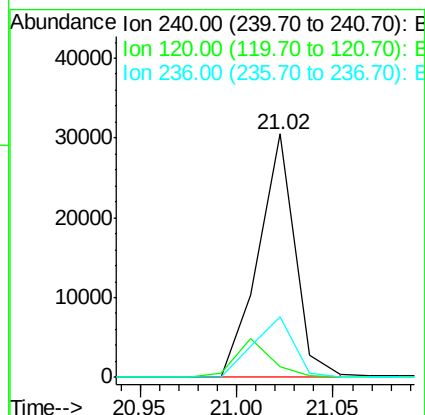
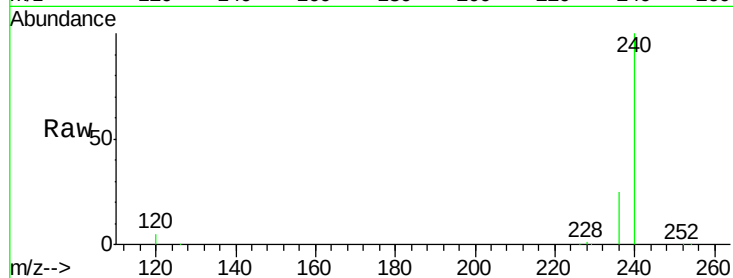




#17
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.02 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: BM001494.D
 Acq: 31 May 2015 03:54

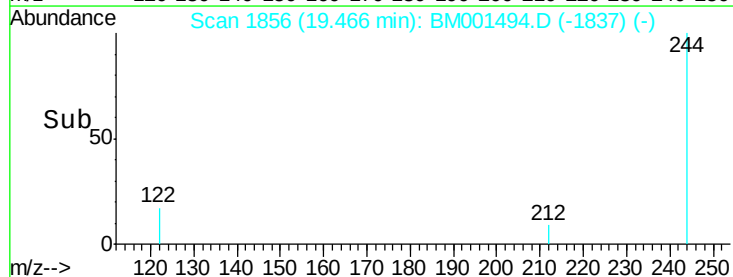
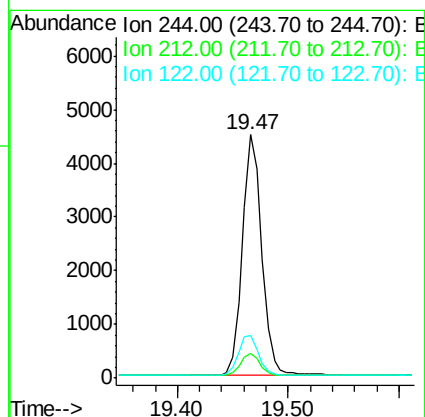
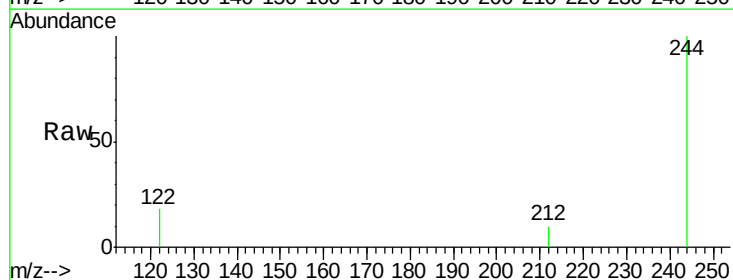
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC001

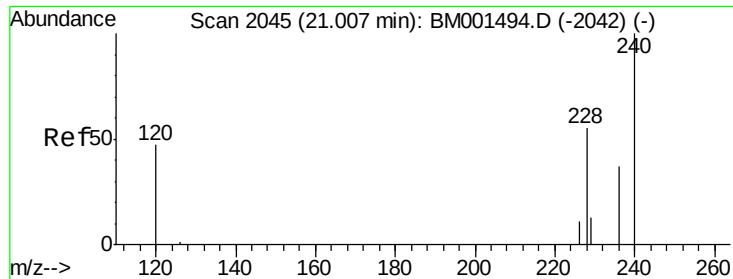
Tgt Ion:240 Resp: 40526
 Ion Ratio Lower Upper
 240 100
 120 4.6 3.7 5.5
 236 24.8 19.8 29.8



#18
 Terphenyl-d14
 Concen: 1.08 ng
 RT: 19.47 min Scan# 1856
 Delta R.T. 0.00 min
 Lab File: BM001494.D
 Acq: 31 May 2015 03:54

Tgt Ion:244 Resp: 5464
 Ion Ratio Lower Upper
 244 100
 212 10.0 8.0 12.0
 122 17.6 14.1 21.1





#19

Benzo(a)anthracene

Concen: 4.19 ng

RT: 21.01 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BM001494.D

Acq: 31 May 2015 03:54

Instrument :

BNA_M

ClientSampleId :

SSTDICCC001

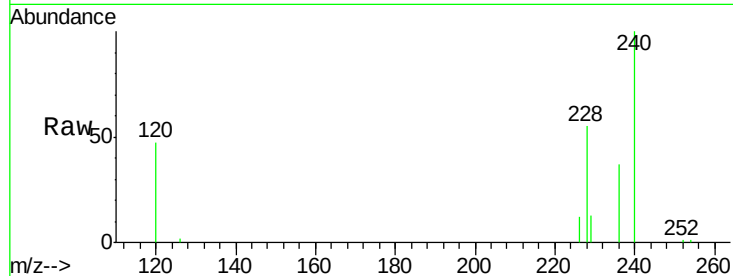
Tgt Ion:228 Resp: 10670

Ion Ratio Lower Upper

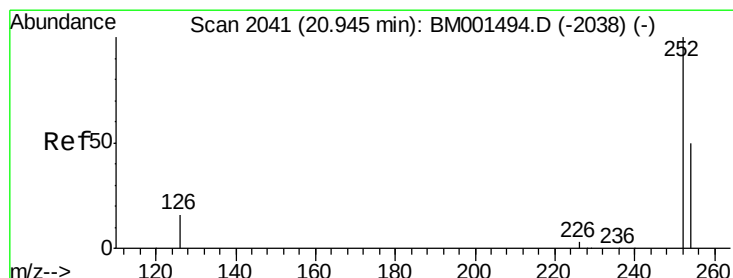
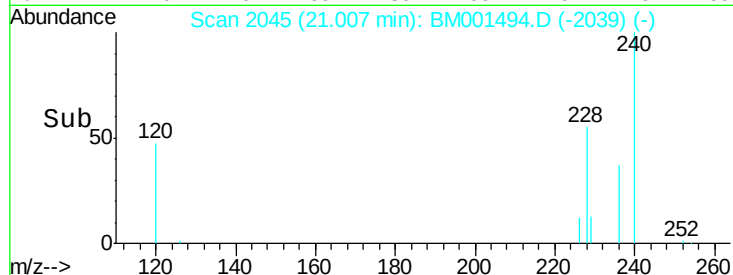
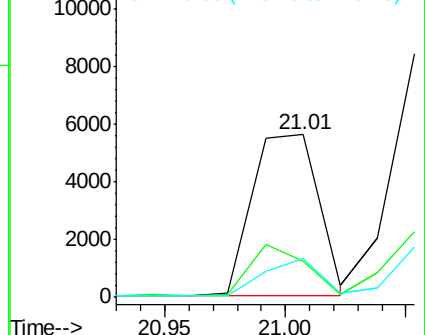
228 100

226 21.9 17.5 26.3

229 23.7 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: 1.26 ng

RT: 20.95 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BM001494.D

Acq: 31 May 2015 03:54

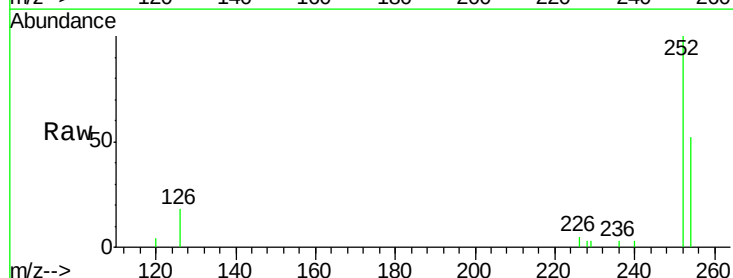
Tgt Ion:252 Resp: 3401

Ion Ratio Lower Upper

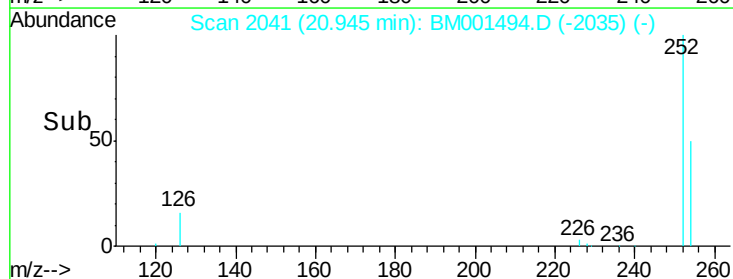
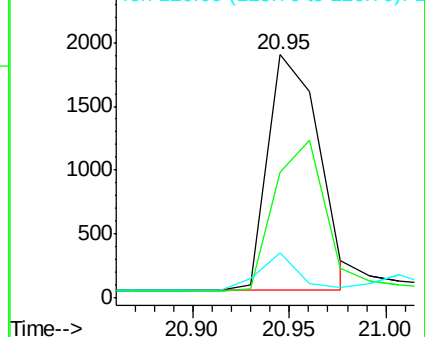
252 100

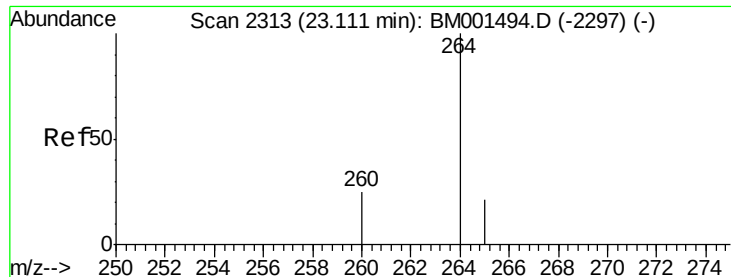
254 51.5 41.2 61.8

126 18.4 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# 2313
Delta R.T. 0.00 min
Lab File: BM001494.D
Acq: 31 May 2015 03:54

Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

Tgt Ion: 264 Resp: 35538
Ion Ratio Lower Upper
264 100
260 24.8 19.8 29.8
265 22.5 18.0 27.0

