

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053115\
 Data File : BM001497.D
 Acq On : 31 May 2015 05:42
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.2

Quant Time: May 31 07:33:00 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	13497	5.00	ng	0.00
6) Naphthalene-d8	10.15	136	49746	5.00	ng	0.00
9) Acenaphthene-d10	14.06	164	26260	5.00	ng	0.00
15) Phenanthrene-d10	16.80	188	51383	5.00	ng	0.00
17) Chrysene-d12	21.03	240	40285	5.00	ng	0.00
21) Perylene-d12	23.11	264	36085	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	528	0.24	ng	0.00
3) Phenol-d6	6.57	99	648	0.27	ng	0.00
7) Nitrobenzene-d5	8.53	82	524	0.19	ng	0.00
10) 2,4,6-Tribromophenol	15.56	330	163	0.20	ng	0.00
11) 2-Fluorobiphenyl	12.67	172	1521	0.21	ng	0.00
18) Terphenyl-d14	19.47	244	1091	0.22	ng	0.00

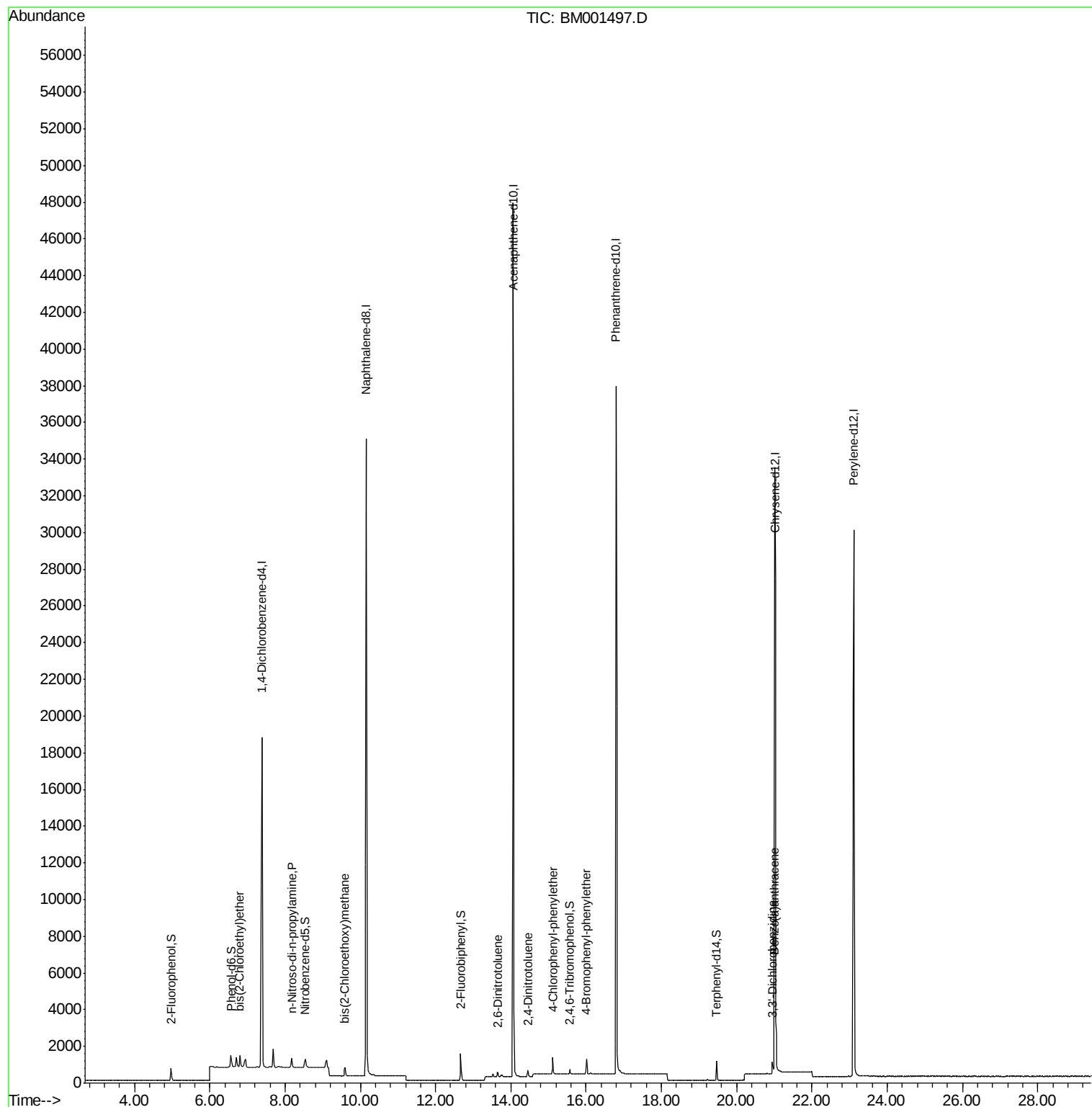
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.80	93	510	0.20	ng	# 78
5) n-Nitroso-di-n-propylamine	8.18	70	420	0.28	ng	# 72
8) bis(2-Chloroethoxy)methane	9.60	93	598	0.22	ng	# 74
12) 2,6-Dinitrotoluene	13.66	165	195	0.17	ng	# 83
13) 2,4-Dinitrotoluene	14.46	165	199	0.15	ng	# 78
14) 4-Chlorophenyl-phenylether	15.12	204	739	0.19	ng	# 79
16) 4-Bromophenyl-phenylether	16.01	248	429	0.21	ng	# 74
19) Benzo(a)anthracene	21.00	228	2346	0.93	ng	# 87
20) 3,3'-Dichlorobenzidine	20.95	252	619	0.23	ng	# 87

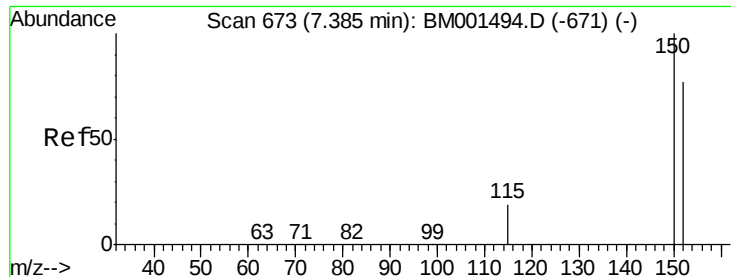
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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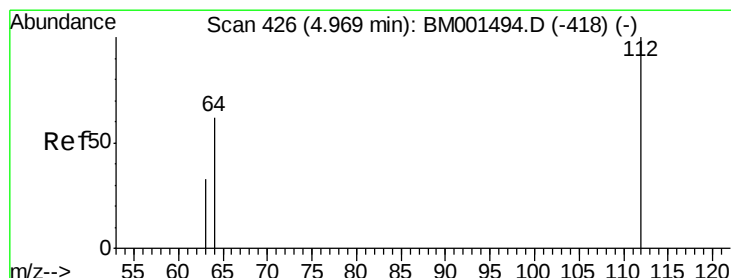
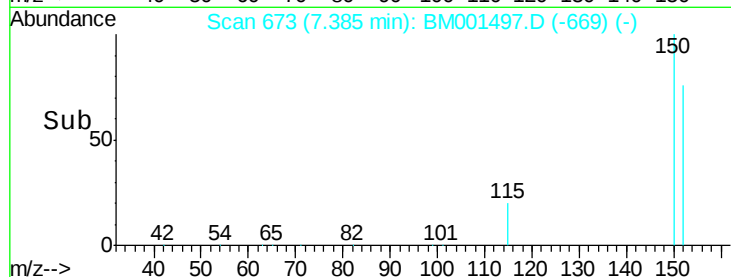
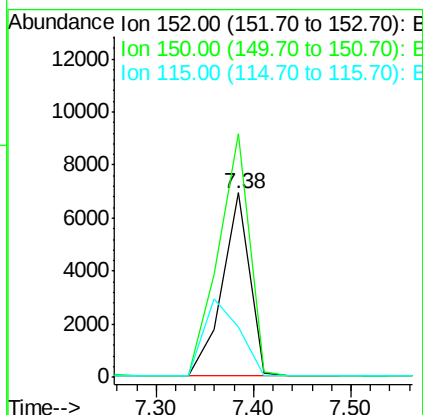
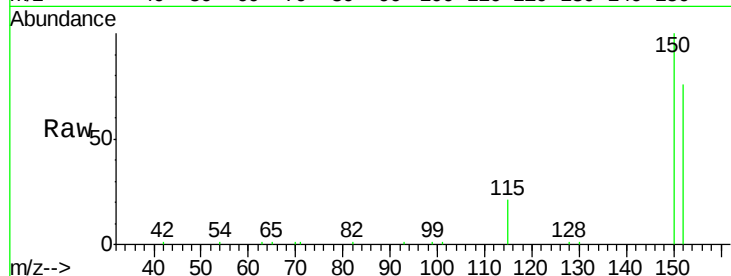


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.38 min Scan# 673
Delta R.T. -0.00 min
Lab File: BM001497.D
Acq: 31 May 2015 05:42

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

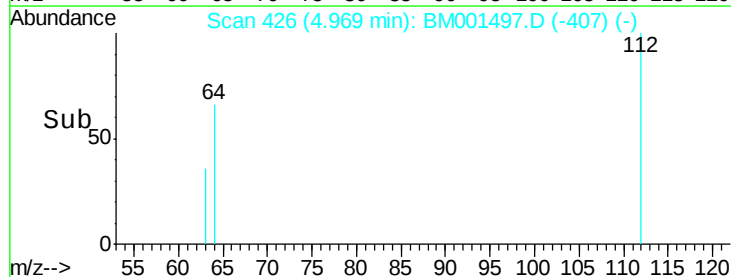
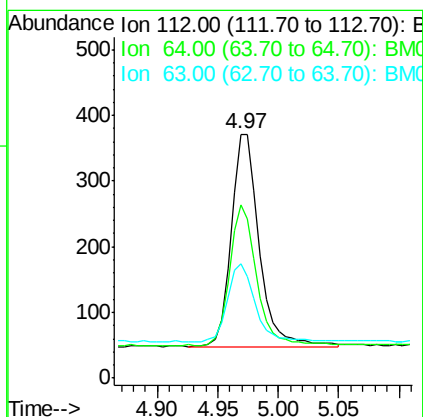
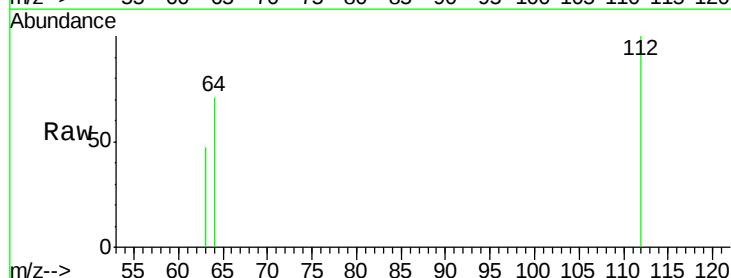
Tgt Ion:152 Resp: 13497
Ion Ratio Lower Upper
152 100
150 131.9 103.8 155.8
115 27.2 20.7 31.1

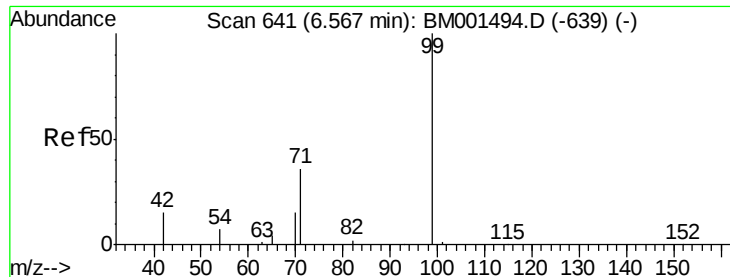


#2

2-Fluorophenol
Concen: 0.24 ng
RT: 4.97 min Scan# 426
Delta R.T. -0.00 min
Lab File: BM001497.D
Acq: 31 May 2015 05:42

Tgt Ion:112 Resp: 528
Ion Ratio Lower Upper
112 100
64 70.9 50.2 75.2
63 46.9 28.2 42.4#





#3

Phenol-d6

Concen: 0.27 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.00 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

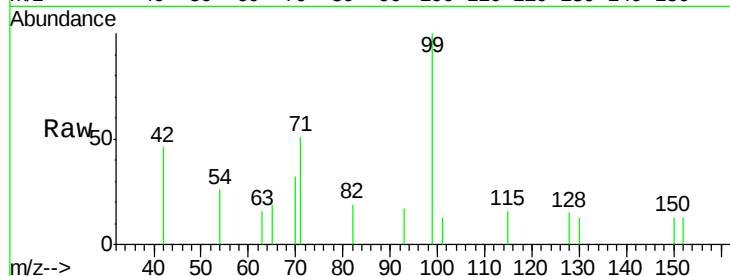
Tgt Ion: 99 Resp: 648

Ion Ratio Lower Upper

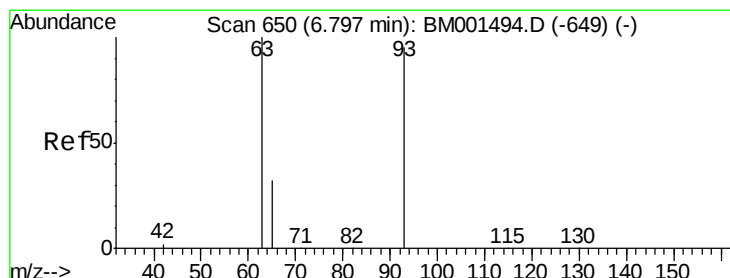
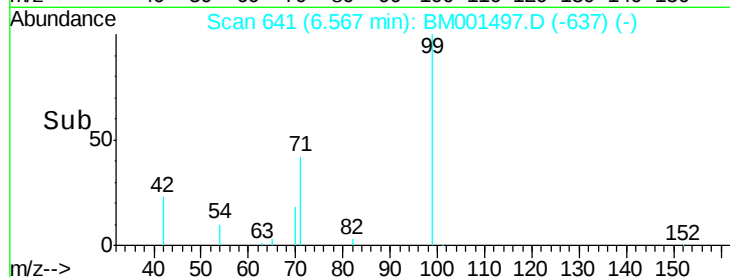
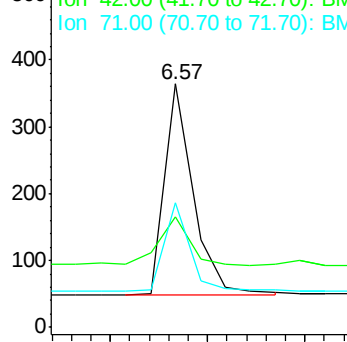
99 100

42 45.6 15.2 22.8#

71 51.1 30.6 46.0#



Abundance Ion 99.00 (98.70 to 99.70): BM001497.D (-637) (-)



#4

bis(2-Chloroethyl)ether

Concen: 0.20 ng

RT: 6.80 min Scan# 650

Delta R.T. -0.00 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

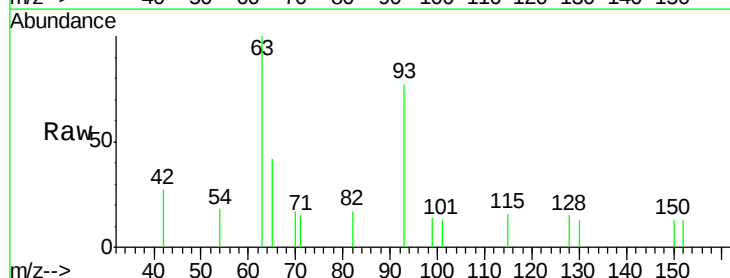
Tgt Ion: 93 Resp: 510

Ion Ratio Lower Upper

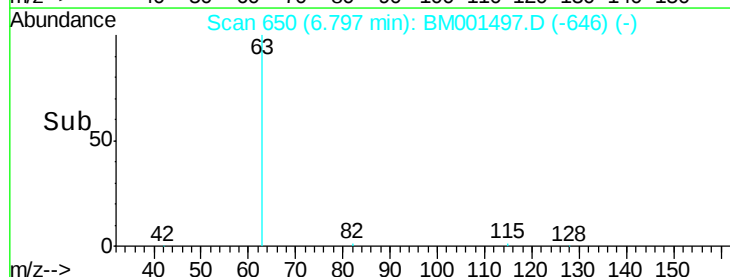
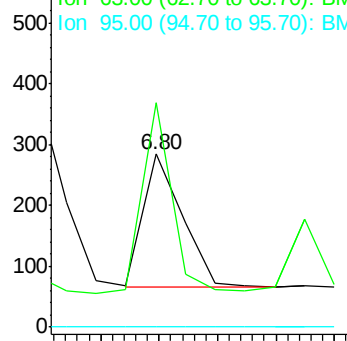
93 100

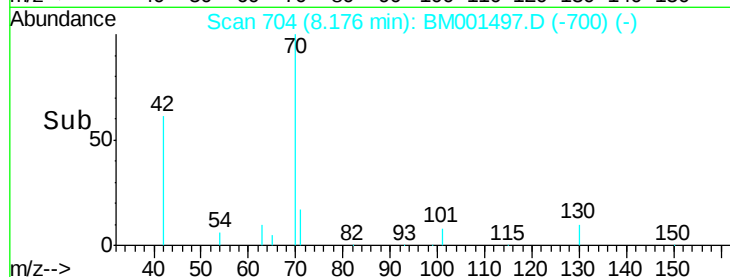
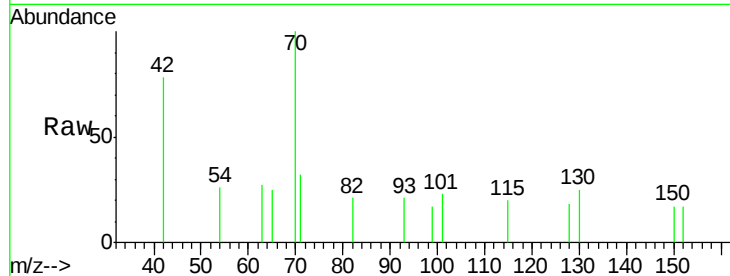
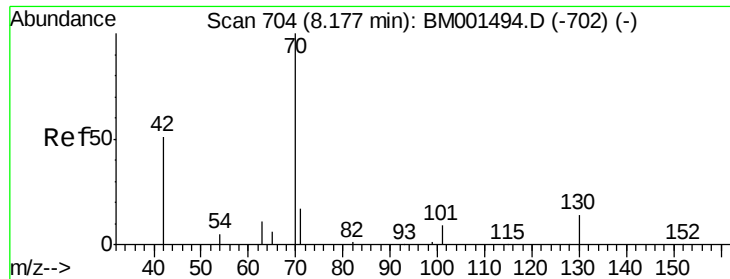
63 129.6 86.8 126.8#

95 0.0 0.0 20.0



Abundance Ion 93.00 (92.70 to 93.70): BM001497.D (-646) (-)





#5

n-Nitroso-di-n-propylamine

Concen: 0.28 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

Tgt Ion: 70 Resp: 420

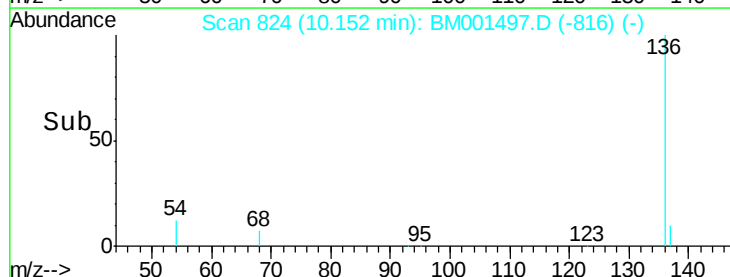
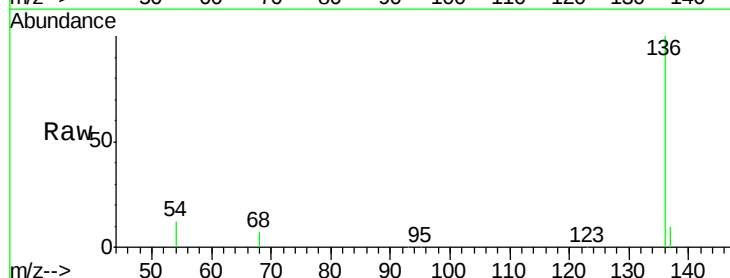
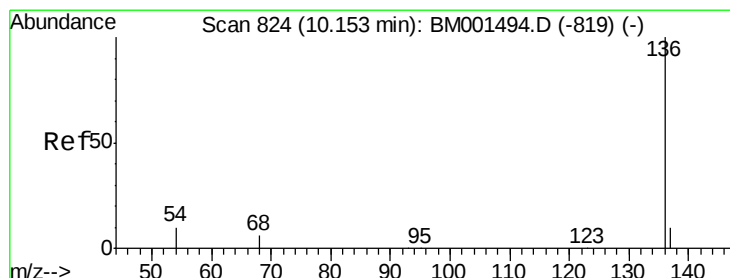
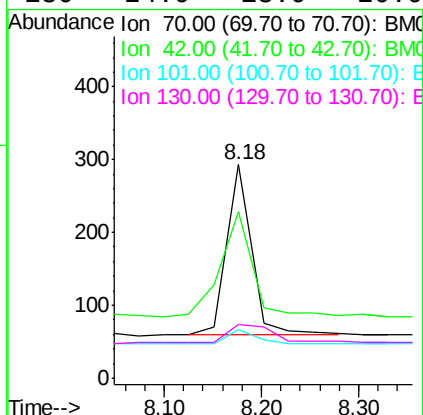
Ion Ratio Lower Upper

70 100

42 78.2 44.2 66.2#

101 22.9 10.3 15.5#

130 24.9 13.9 20.9#



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.15 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

Tgt Ion: 136 Resp: 49746

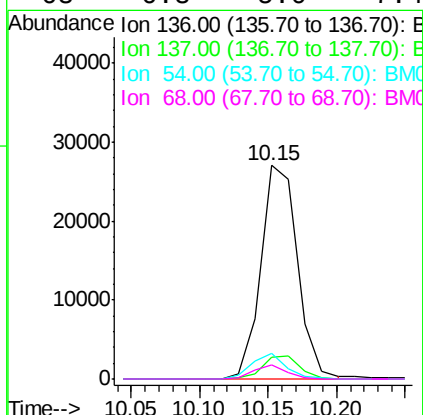
Ion Ratio Lower Upper

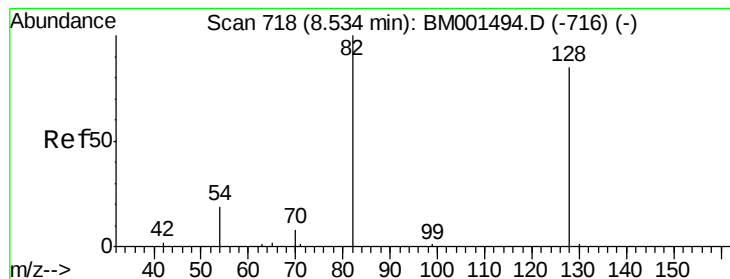
136 100

137 10.2 8.3 12.5

54 12.0 8.5 12.7

68 6.8 5.0 7.4





#7

Nitrobenzene-d5

Concen: 0.19 ng

RT: 8.53 min Scan# 718

Delta R.T. -0.00 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

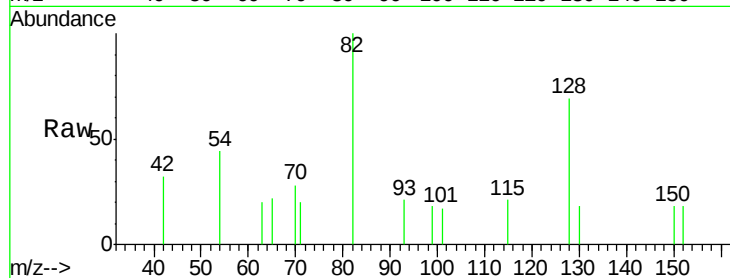
Tgt Ion: 82 Resp: 524

Ion Ratio Lower Upper

82 100

128 68.7 68.2 102.2

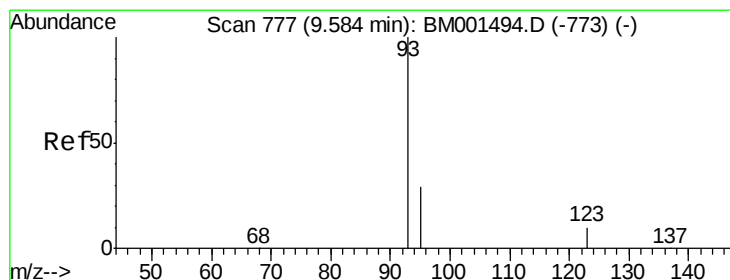
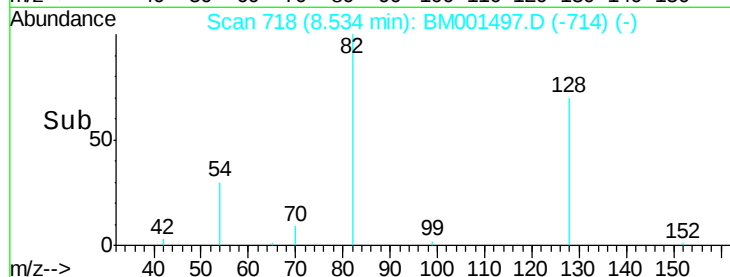
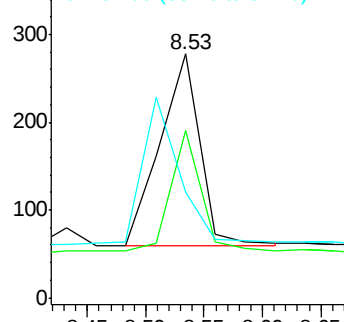
54 43.5 21.0 31.4#



Abundance Ion 82.00 (81.70 to 82.70): BM001497.D (-716) (-)

Ion 128.00 (127.70 to 128.70): BM001497.D (-716) (-)

Ion 54.00 (53.70 to 54.70): BM001497.D (-716) (-)



#8

bis(2-Chloroethoxy)methane

Concen: 0.22 ng

RT: 9.60 min Scan# 778

Delta R.T. 0.01 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

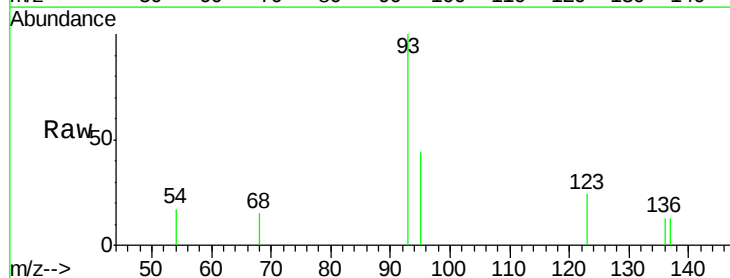
Tgt Ion: 93 Resp: 598

Ion Ratio Lower Upper

93 100

95 44.4 25.0 37.6#

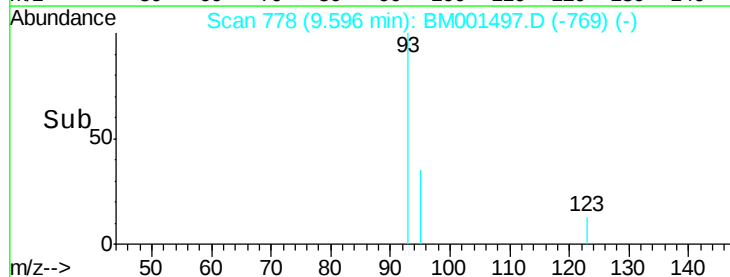
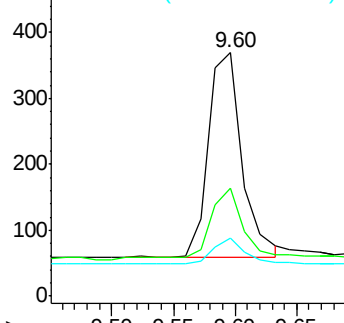
123 24.1 9.5 14.3#

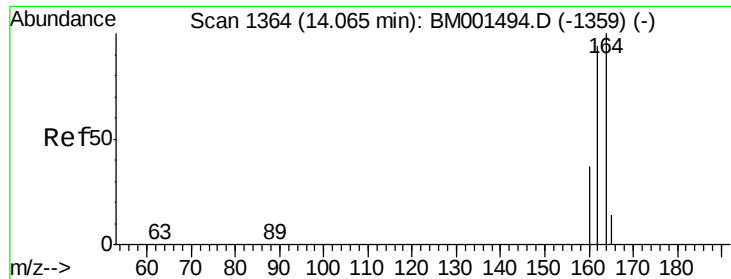


Abundance Ion 93.00 (92.70 to 93.70): BM001497.D (-773) (-)

Ion 95.00 (94.70 to 95.70): BM001497.D (-773) (-)

Ion 123.00 (122.70 to 123.70): BM001497.D (-773) (-)





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.06 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

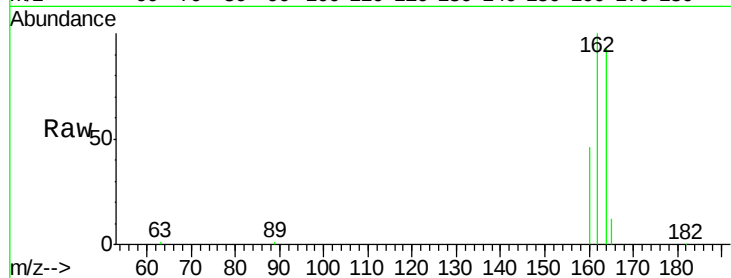
Tgt Ion:164 Resp: 26260

Ion Ratio Lower Upper

164 100

162 107.1 75.3 112.9

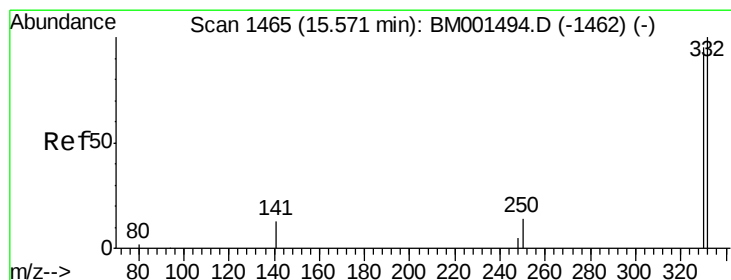
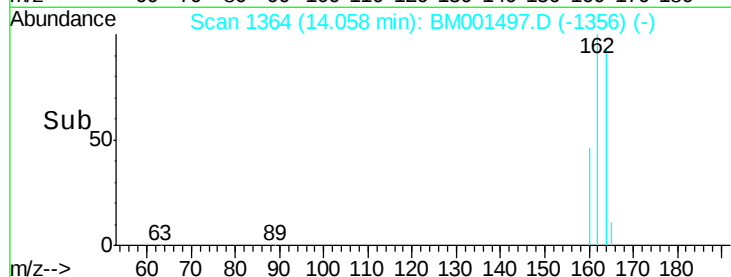
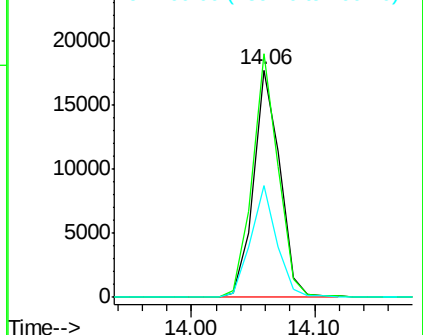
160 49.2 30.1 45.1#



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: 0.20 ng

RT: 15.56 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

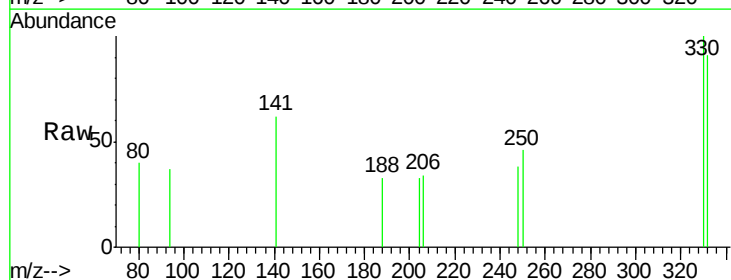
Tgt Ion:330 Resp: 163

Ion Ratio Lower Upper

330 100

332 93.3 77.6 116.4

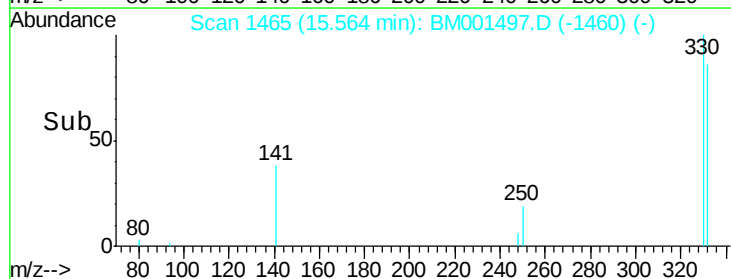
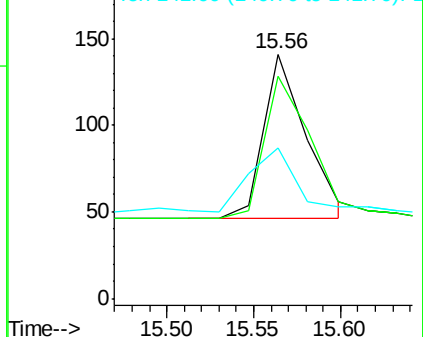
141 39.9 34.3 51.5

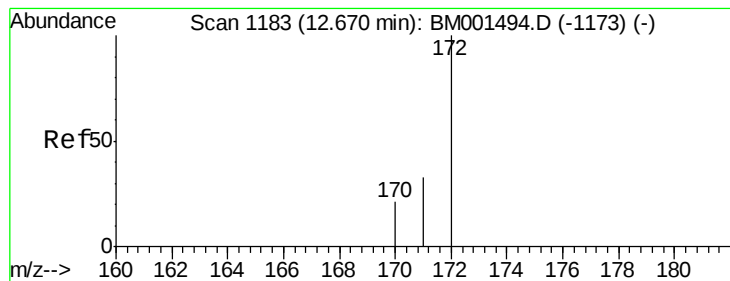


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#11

2-Fluorobiphenyl

Concen: 0.21 ng

RT: 12.67 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

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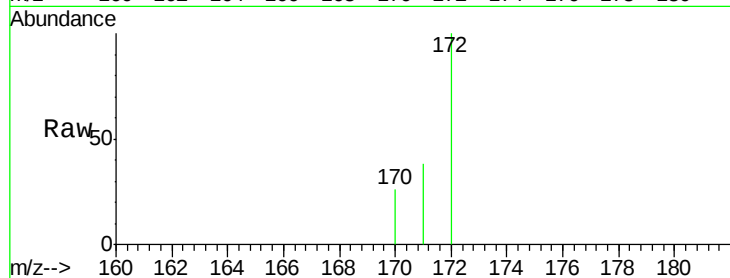
Tgt Ion:172 Resp: 1521

Ion Ratio Lower Upper

172 100

171 37.8 27.2 40.8

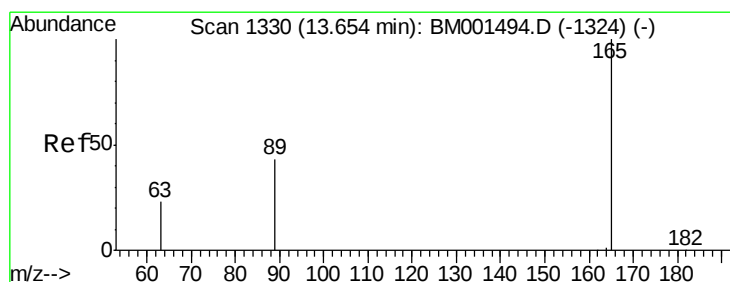
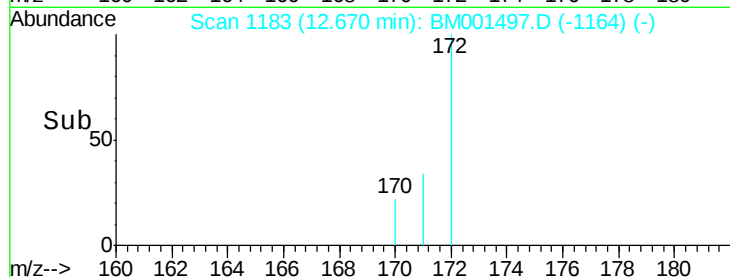
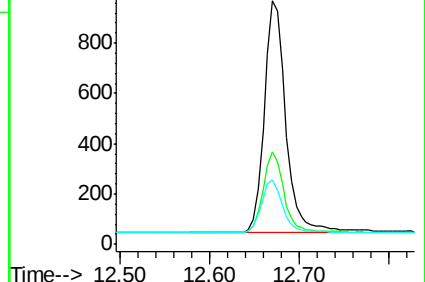
170 26.3 17.8 26.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#12

2,6-Dinitrotoluene

Concen: 0.17 ng

RT: 13.66 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

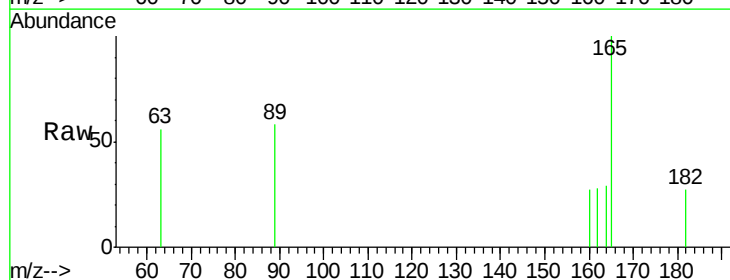
Tgt Ion:165 Resp: 195

Ion Ratio Lower Upper

165 100

63 56.0 35.3 52.9#

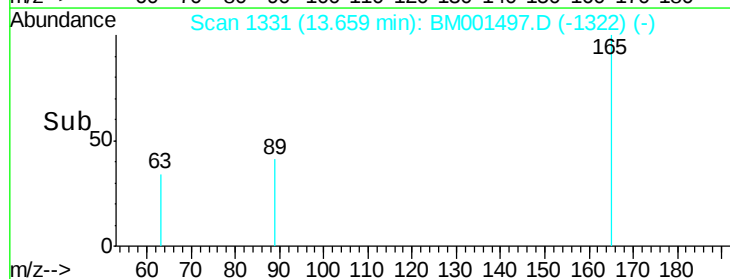
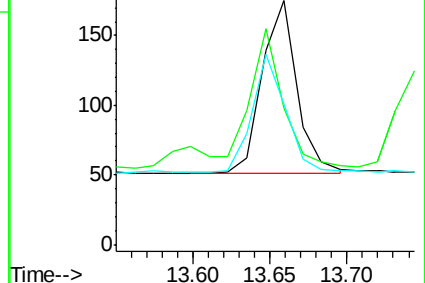
89 57.7 37.4 56.2#

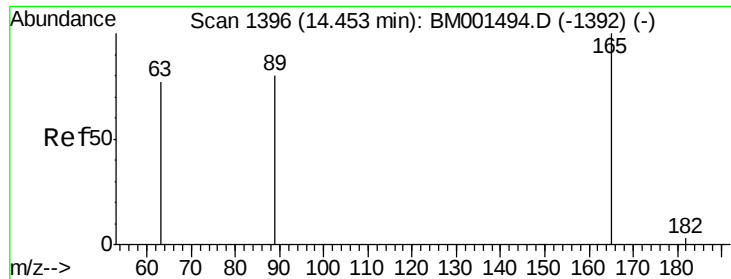


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

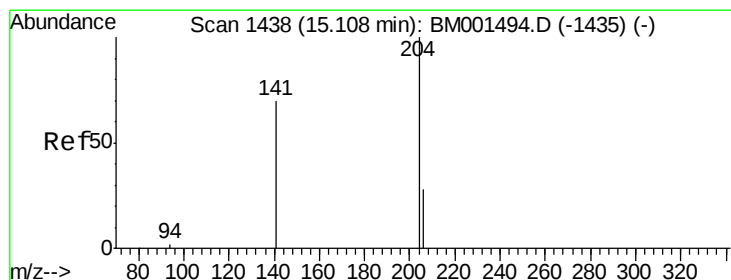
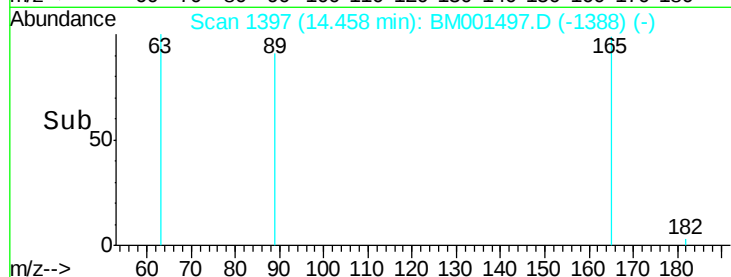
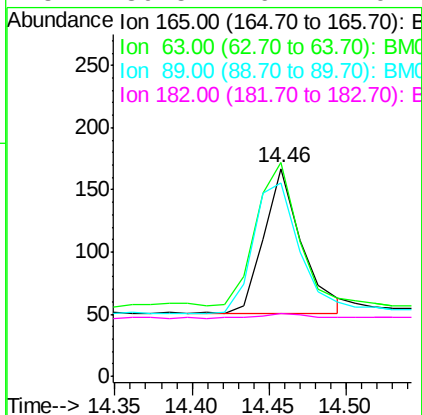
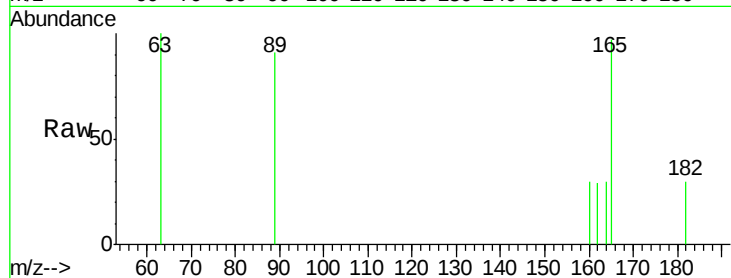




#13
2,4-Dinitrotoluene
Concen: 0.15 ng
RT: 14.46 min Scan# 1397
Delta R.T. 0.01 min
Lab File: BM001497.D
Acq: 31 May 2015 05:42

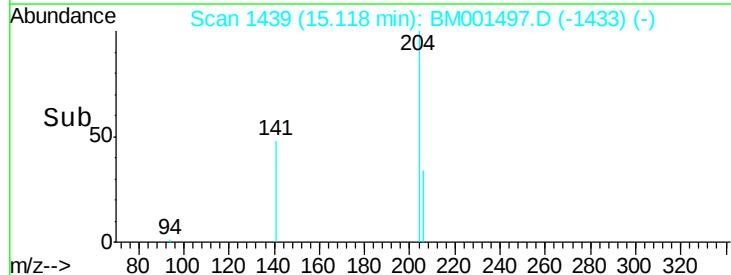
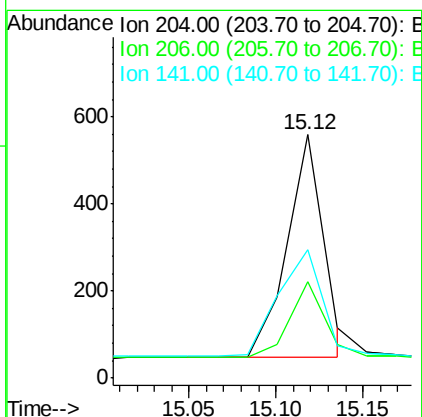
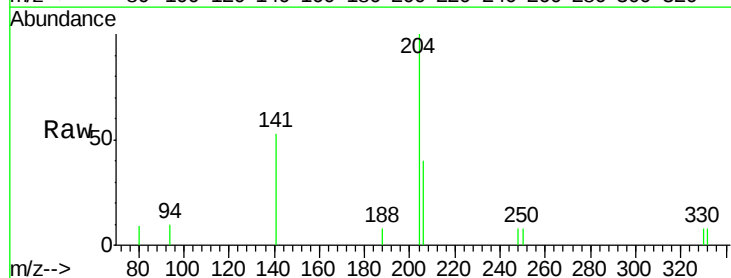
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

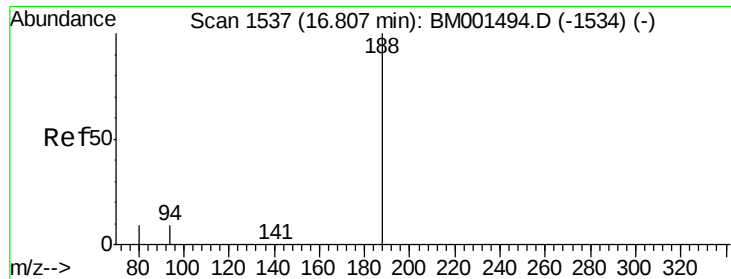
Tgt Ion:165 Resp: 199
Ion Ratio Lower Upper
165 100
63 103.0 63.9 95.9#
89 93.4 65.0 97.6
182 30.5 6.2 9.4#



#14
4-Chlorophenyl-phenylether
Concen: 0.19 ng
RT: 15.12 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BM001497.D
Acq: 31 May 2015 05:42

Tgt Ion:204 Resp: 739
Ion Ratio Lower Upper
204 100
206 39.5 23.8 35.6#
141 52.8 56.6 85.0#





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.80 min Scan# 1537

Delta R.T. -0.01 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

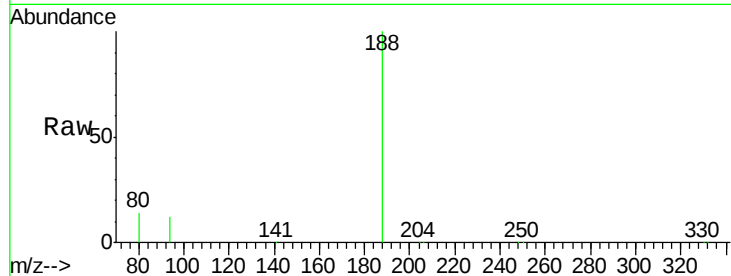
Tgt Ion:188 Resp: 51383

Ion Ratio Lower Upper

188 100

94 11.8 7.1 10.7#

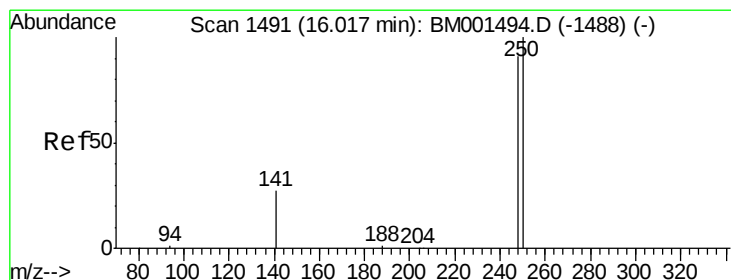
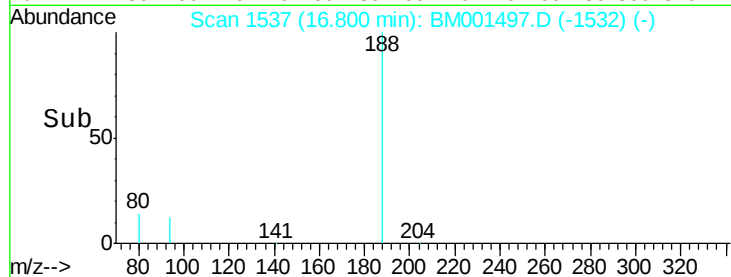
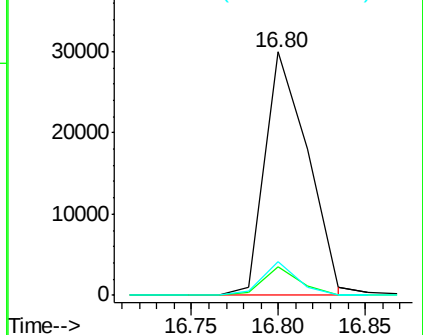
80 13.9 7.3 10.9#



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: 0.21 ng

RT: 16.01 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

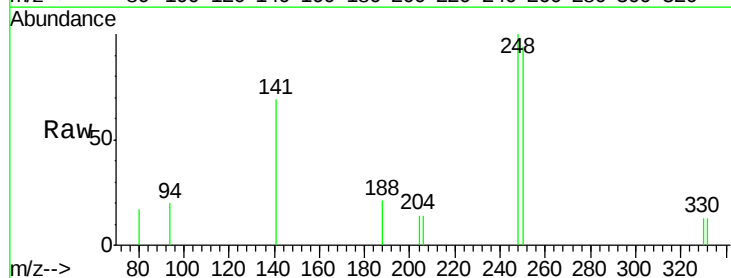
Tgt Ion:248 Resp: 429

Ion Ratio Lower Upper

248 100

250 94.2 87.3 130.9

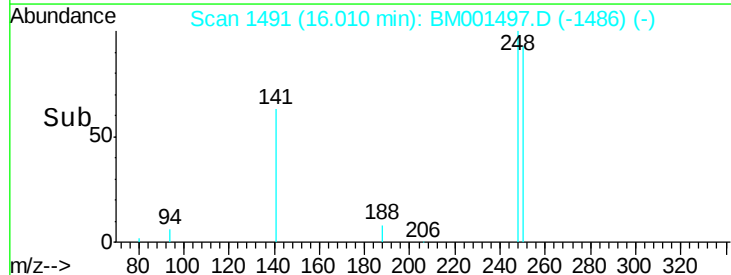
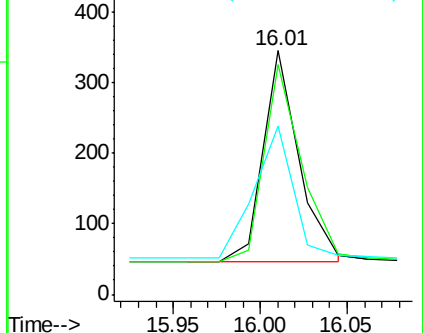
141 69.0 25.8 38.8#

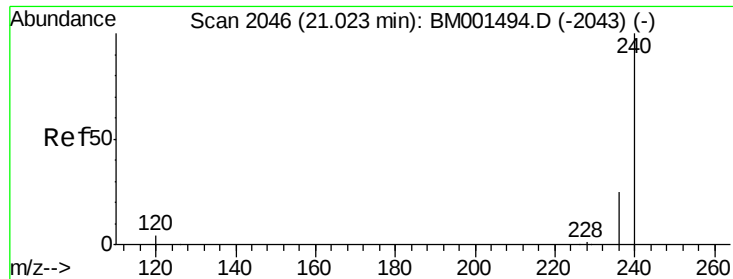


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

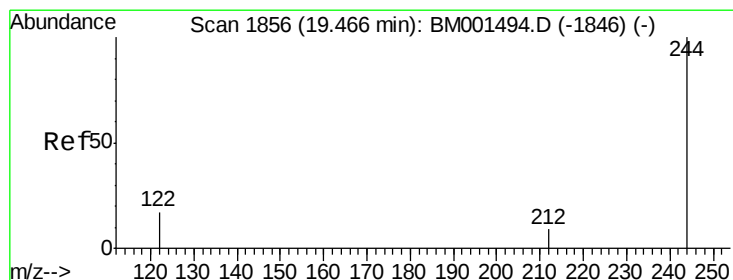
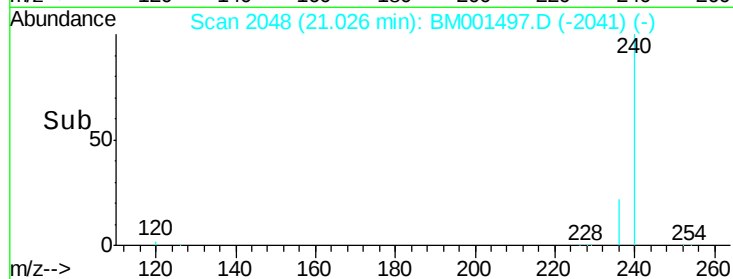
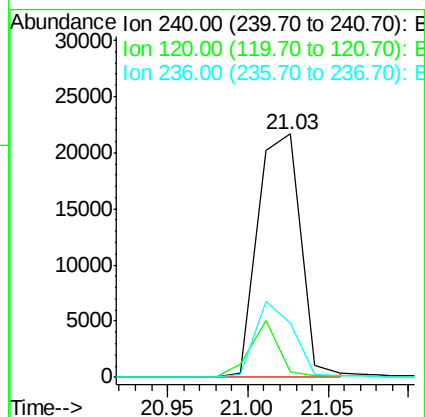
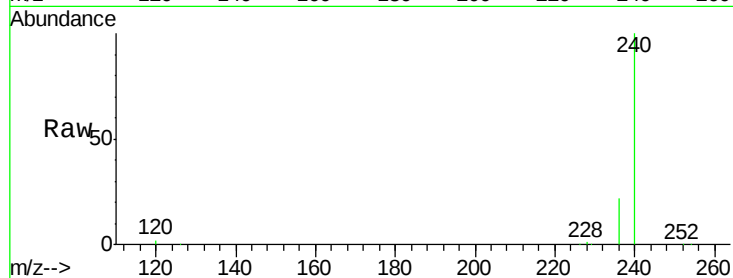




#17
Chrysene-d12
Concen: 5.00 ng
RT: 21.03 min Scan# 2048
Delta R.T. 0.00 min
Lab File: BM001497.D
Acq: 31 May 2015 05:42

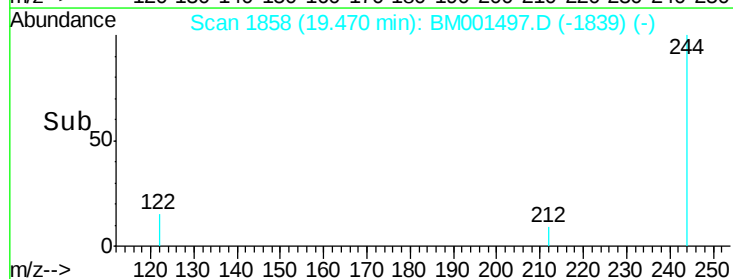
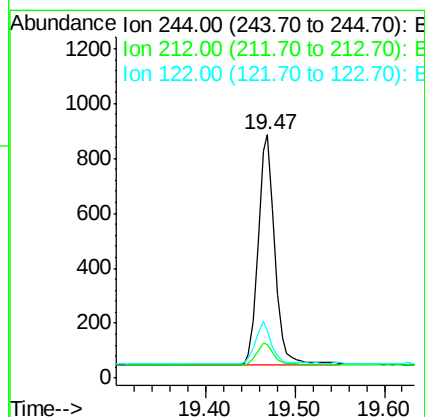
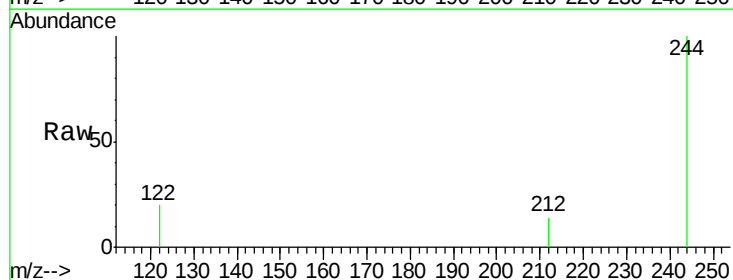
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

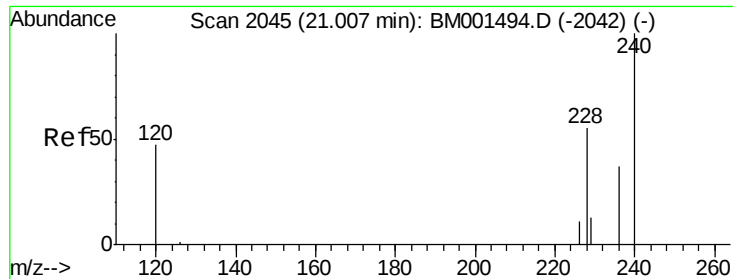
Tgt Ion:240 Resp: 40285
Ion Ratio Lower Upper
240 100
120 2.5 3.7 5.5#
236 22.2 19.8 29.8



#18
Terphenyl-d14
Concen: 0.22 ng
RT: 19.47 min Scan# 1858
Delta R.T. 0.00 min
Lab File: BM001497.D
Acq: 31 May 2015 05:42

Tgt Ion:244 Resp: 1091
Ion Ratio Lower Upper
244 100
212 13.8 8.0 12.0#
122 19.7 14.1 21.1





#19

Benzo(a)anthracene

Concen: 0.93 ng

RT: 21.00 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.2

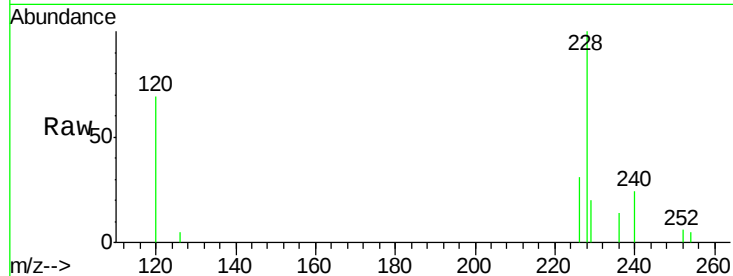
Tgt Ion:228 Resp: 2346

Ion Ratio Lower Upper

228 100

226 31.0 17.5 26.3#

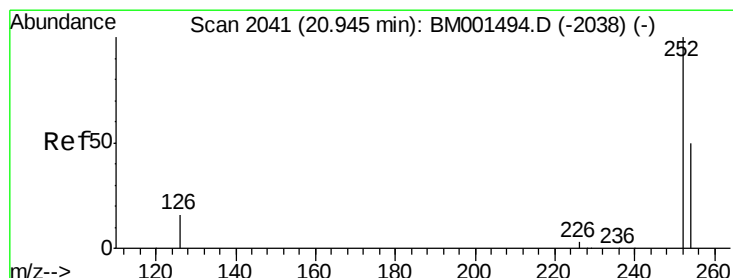
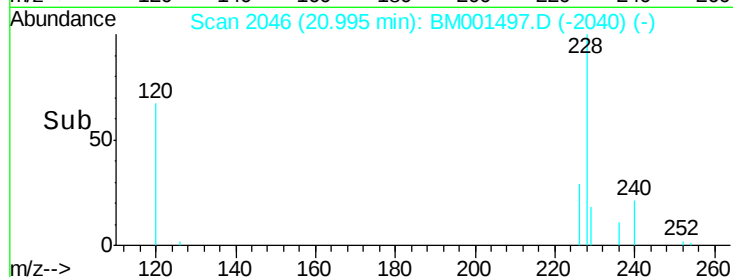
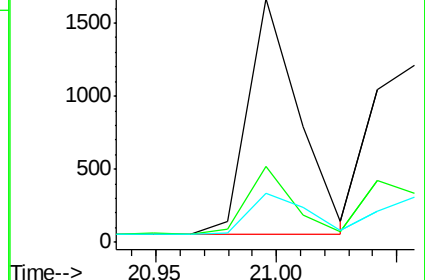
229 20.3 19.0 28.4



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: 0.23 ng

RT: 20.95 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BM001497.D

Acq: 31 May 2015 05:42

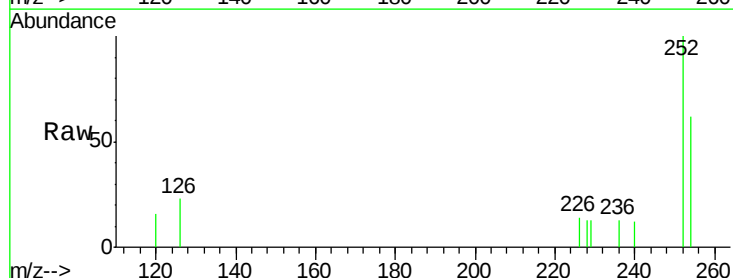
Tgt Ion:252 Resp: 619

Ion Ratio Lower Upper

252 100

254 61.6 41.2 61.8

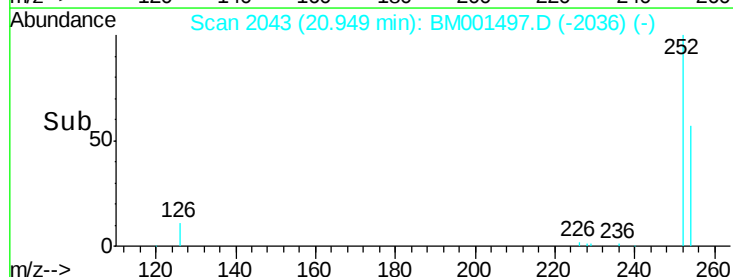
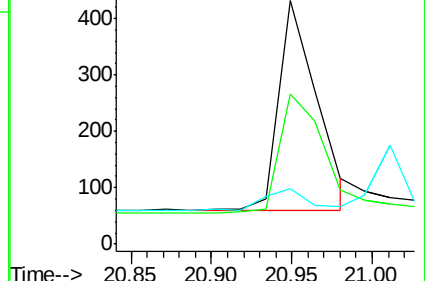
126 22.9 14.7 22.1#

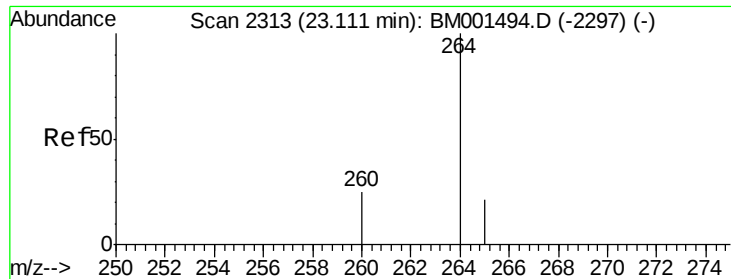


Abundance Ion 252.00 (251.70 to 252.70): E

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# 2316
Delta R.T. -0.00 min
Lab File: BM001497.D
Acq: 31 May 2015 05:42

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

Tgt Ion: 264 Resp: 36085
Ion Ratio Lower Upper
264 100
260 24.8 19.8 29.8
265 22.1 18.0 27.0

