

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053115\
 Data File : BM001499.D
 Acq On : 31 May 2015 06:54
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM053115

Quant Time: May 31 07:33:26 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	13339	5.00	ng	0.00
6) Naphthalene-d8	10.15	136	52120	5.00	ng	0.00
9) Acenaphthene-d10	14.05	164	27089	5.00	ng	-0.01
15) Phenanthrene-d10	16.81	188	52930	5.00	ng	0.00
17) Chrysene-d12	21.01	240	42806	5.00	ng	-0.01
21) Perylene-d12	23.11	264	37776	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	2628	1.19	ng	0.00
3) Phenol-d6	6.57	99	3622	1.53	ng	0.00
7) Nitrobenzene-d5	8.51	82	2687	0.95	ng	-0.03
10) 2,4,6-Tribromophenol	15.57	330	875	1.04	ng	0.00
11) 2-Fluorobiphenyl	12.66	172	7793	1.02	ng	0.00
18) Terphenyl-d14	19.47	244	5583	1.04	ng	0.00

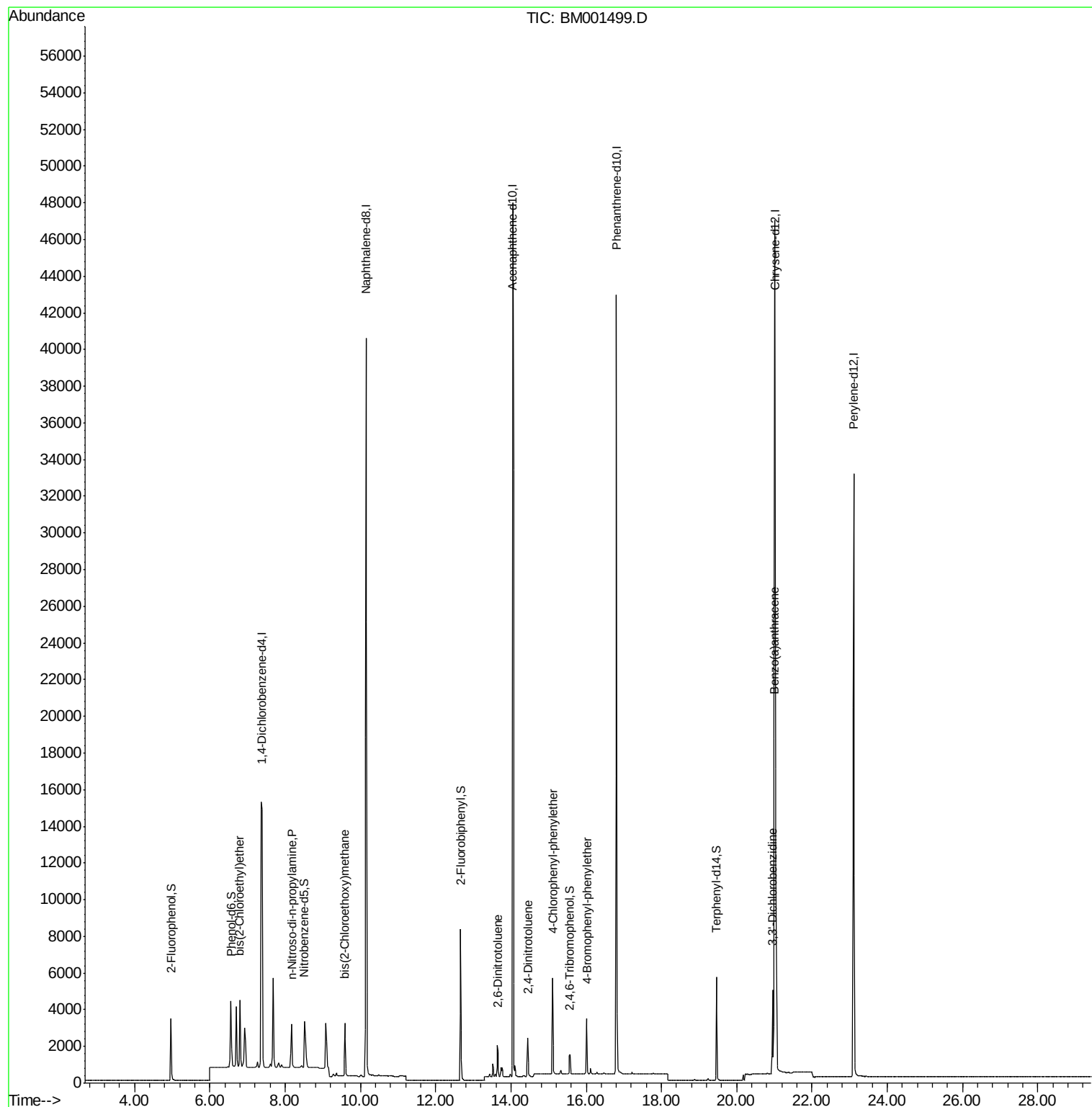
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.80	93	2866	1.16	ng	90
5) n-Nitroso-di-n-propylamine	8.18	70	2012	1.37	ng	94
8) bis(2-Chloroethoxy)methane	9.58	93	3296	1.16	ng	99
12) 2,6-Dinitrotoluene	13.65	165	1186	1.02	ng	91
13) 2,4-Dinitrotoluene	14.45	165	1298	0.97	ng	95
14) 4-Chlorophenyl-phenylether	15.11	204	3825	0.94	ng	94
16) 4-Bromophenyl-phenylether	16.02	248	2145	1.03	ng	94
19) Benzo(a)anthracene	21.00	228	11645	4.33	ng	92
20) 3,3'-Dichlorobenzidine	20.95	252	3384	1.19	ng	# 79

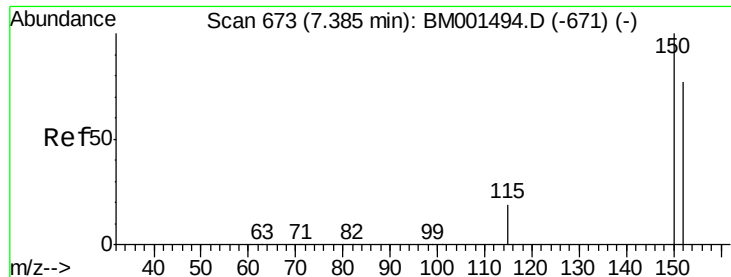
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001499.D

Acq: 31 May 2015 06:54

Instrument :

BNA_M

ClientSampleId :

ICVBM053115

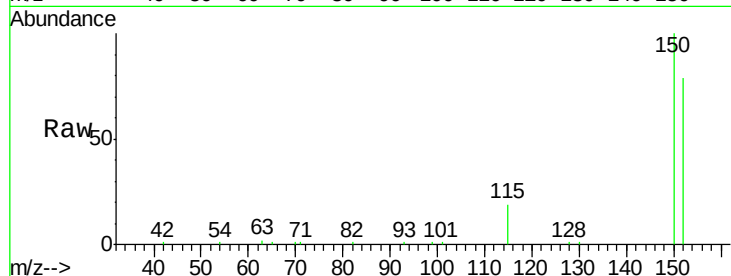
Tgt Ion:152 Resp: 13339

Ion Ratio Lower Upper

152 100

150 126.2 103.8 155.8

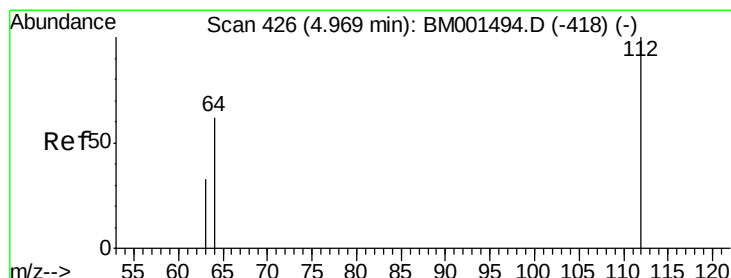
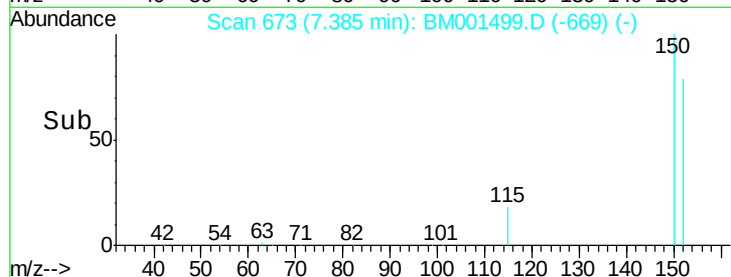
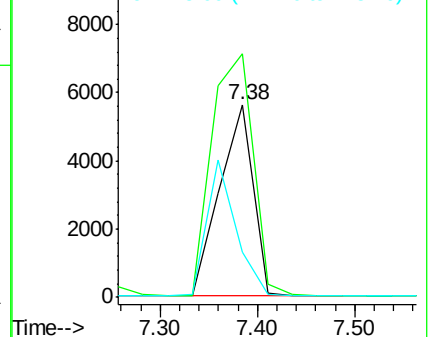
115 23.7 20.7 31.1



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: 1.19 ng

RT: 4.97 min Scan# 426

Delta R.T. -0.00 min

Lab File: BM001499.D

Acq: 31 May 2015 06:54

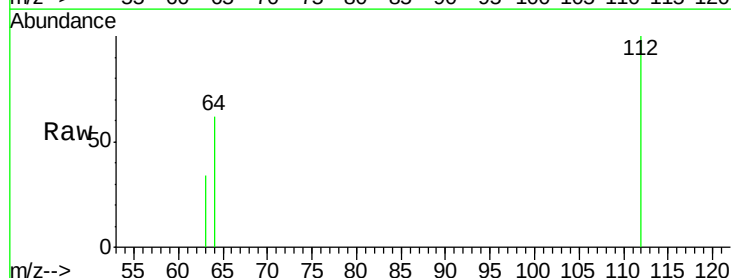
Tgt Ion:112 Resp: 2628

Ion Ratio Lower Upper

112 100

64 62.2 50.2 75.2

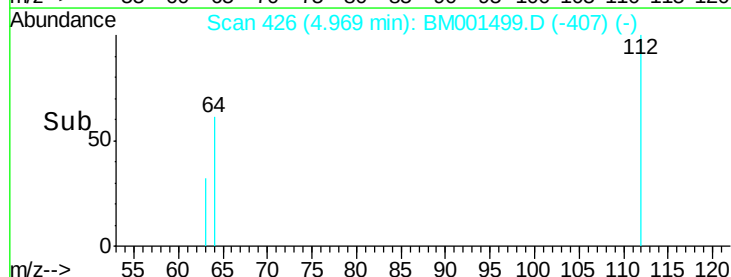
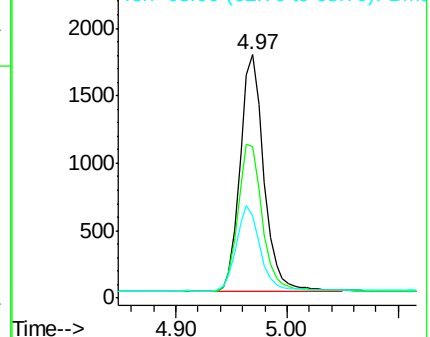
63 33.7 28.2 42.4

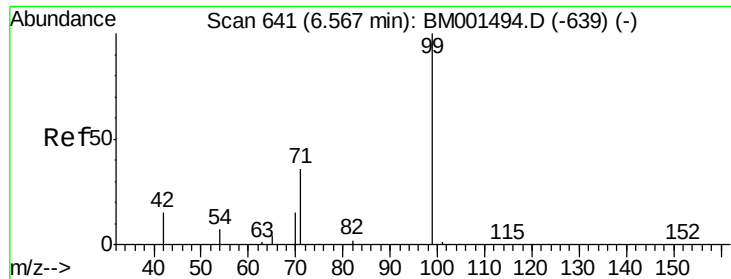


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#3

Phenol-d6

Concen: 1.53 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.00 min

Lab File: BM001499.D

Acq: 31 May 2015 06:54

Instrument :

BNA_M

ClientSampleId :

ICVBM053115

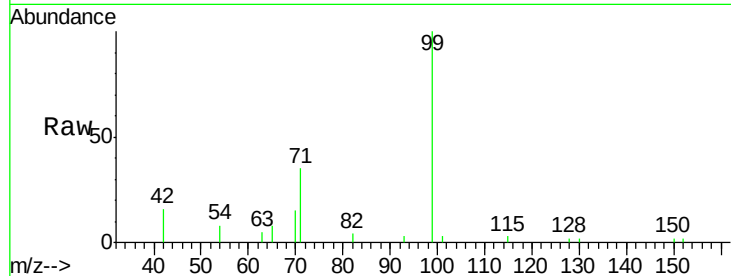
Tgt Ion: 99 Resp: 3622

Ion Ratio Lower Upper

99 100

42 15.6 15.2 22.8

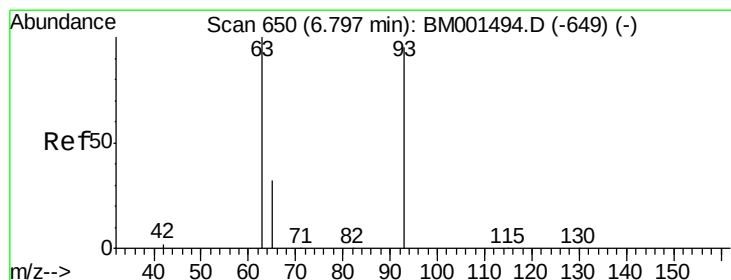
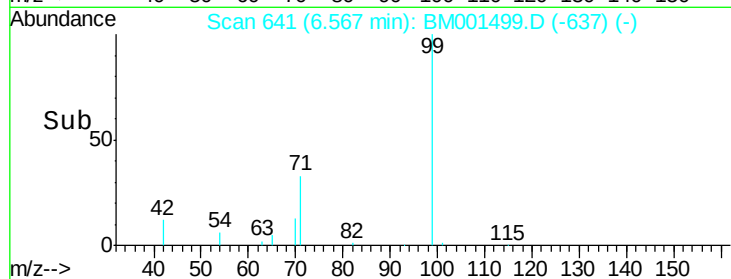
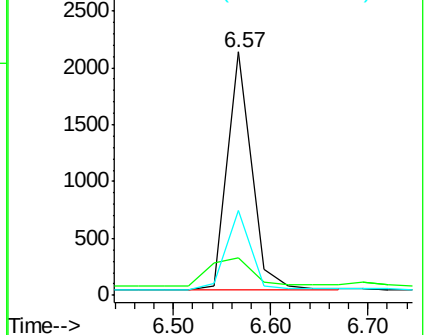
71 34.8 30.6 46.0



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: 1.16 ng

RT: 6.80 min Scan# 650

Delta R.T. -0.00 min

Lab File: BM001499.D

Acq: 31 May 2015 06:54

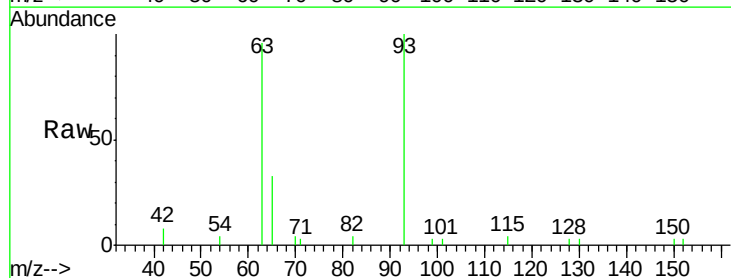
Tgt Ion: 93 Resp: 2866

Ion Ratio Lower Upper

93 100

63 96.0 86.8 126.8

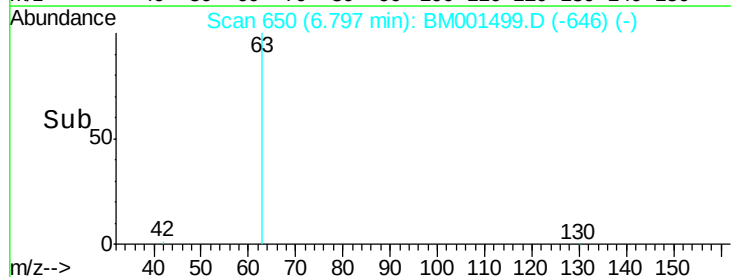
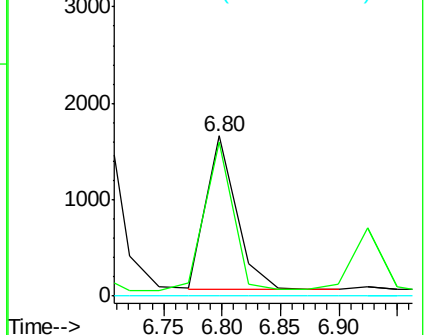
95 0.0 0.0 20.0

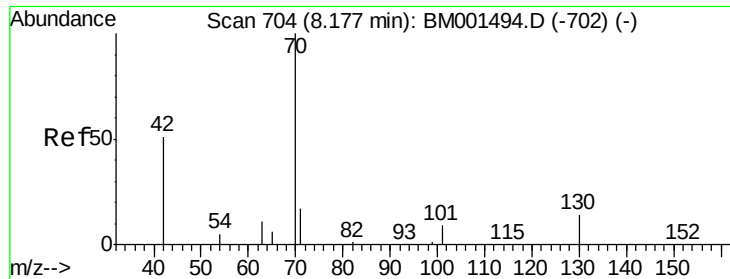


Abundance Ion 93.00 (92.70 to 93.70): BM001494.D (-649) (-)

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: 1.37 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001499.D

Acq: 31 May 2015 06:54

Instrument :

BNA_M

ClientSampleId :

ICVBM053115

Tgt Ion: 70 Resp: 2012

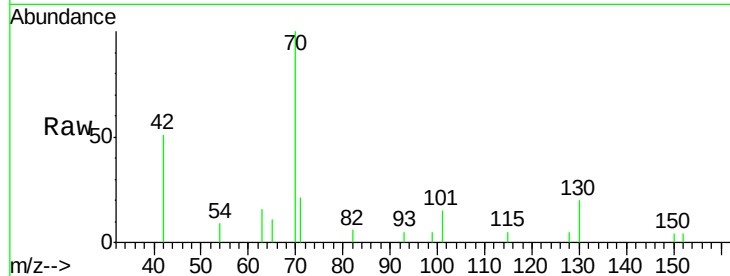
Ion Ratio Lower Upper

70 100

42 51.1 44.2 66.2

101 14.6 10.3 15.5

130 20.2 13.9 20.9

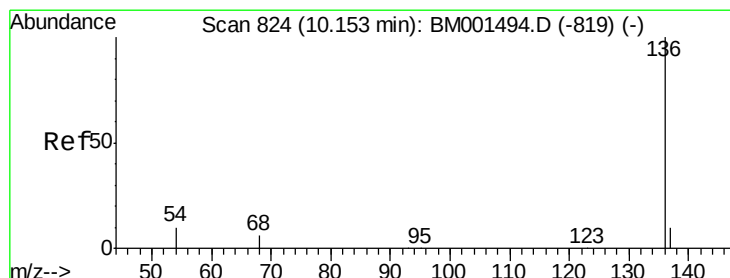
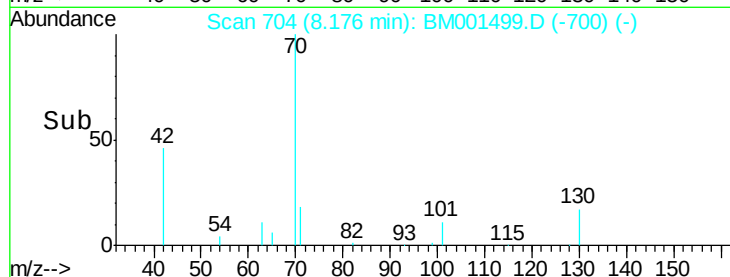
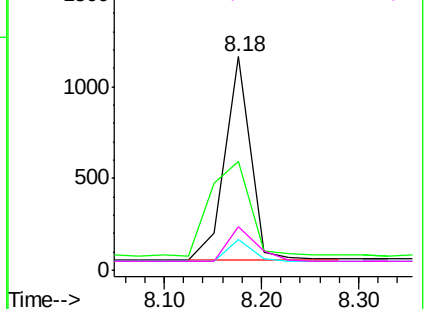


Abundance Ion 70.00 (69.70 to 70.70): BM0

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: BM001499.D

Acq: 31 May 2015 06:54

Tgt Ion: 136 Resp: 52120

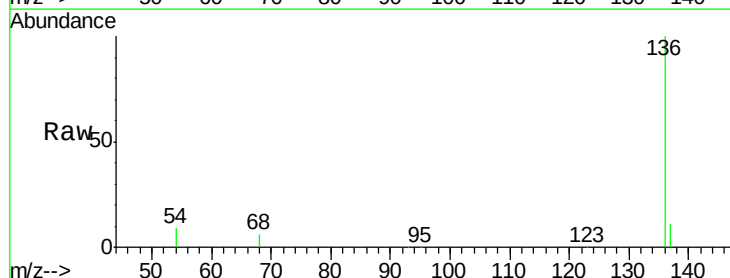
Ion Ratio Lower Upper

136 100

137 10.6 8.3 12.5

54 9.5 8.5 12.7

68 5.5 5.0 7.4

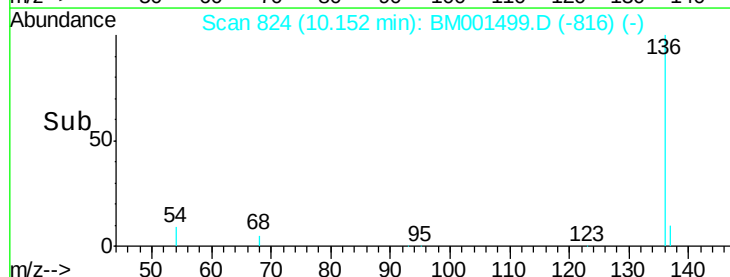
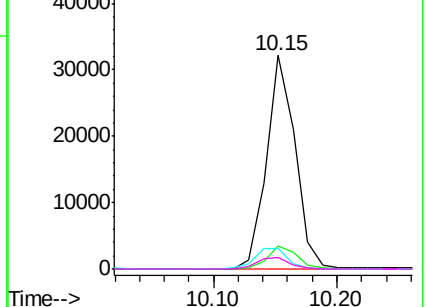


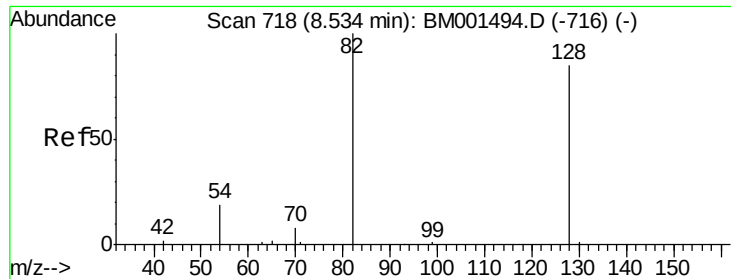
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.95 ng

RT: 8.51 min Scan# 717

Delta R.T. -0.03 min

Lab File: BM001499.D

Acq: 31 May 2015 06:54

Instrument :

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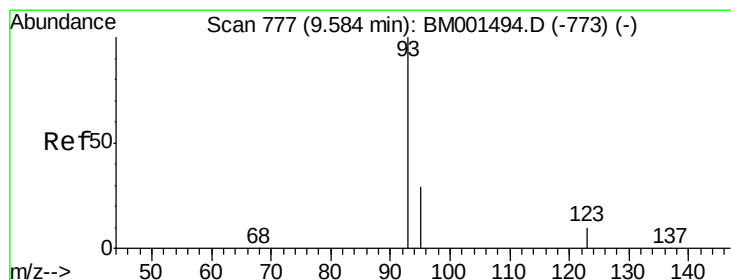
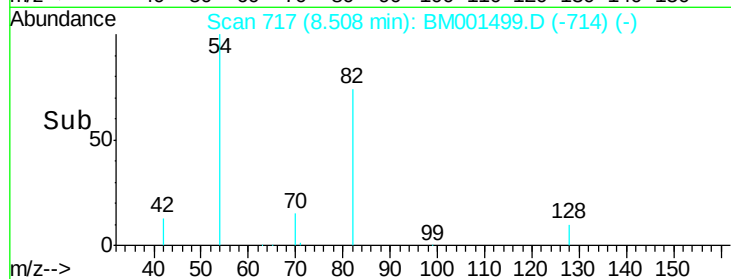
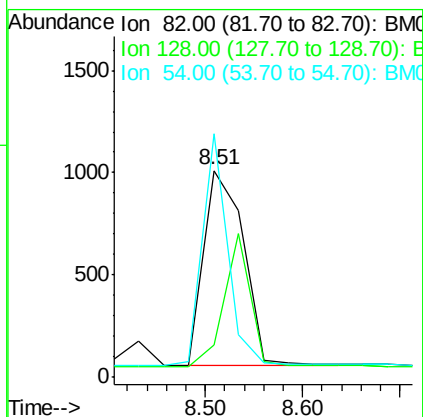
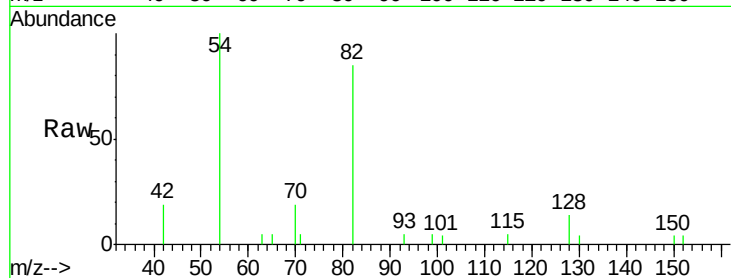
Tgt Ion: 82 Resp: 2687

Ion Ratio Lower Upper

82 100

128 15.9 68.2 102.2#

54 117.8 21.0 31.4#



#8

bis(2-Chloroethoxy)methane

Concen: 1.16 ng

RT: 9.58 min Scan# 777

Delta R.T. -0.00 min

Lab File: BM001499.D

Acq: 31 May 2015 06:54

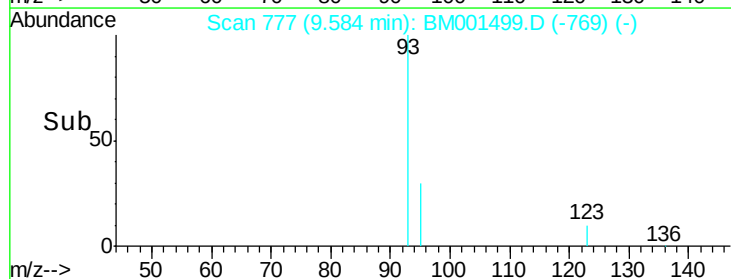
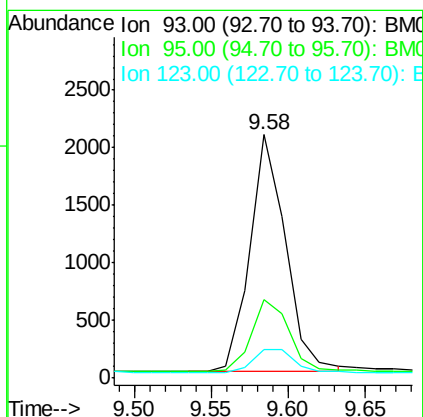
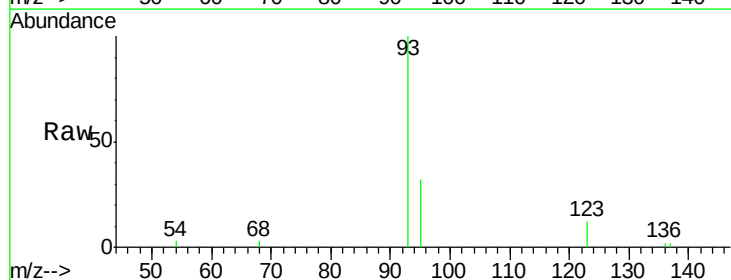
Tgt Ion: 93 Resp: 3296

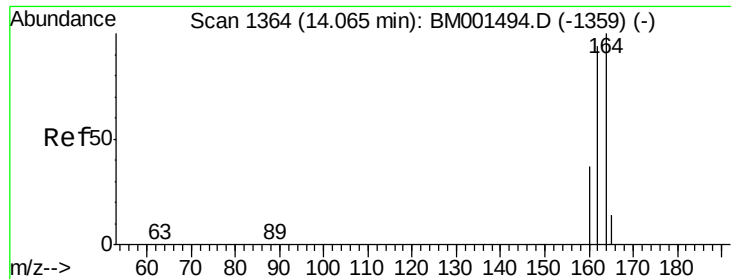
Ion Ratio Lower Upper

93 100

95 32.1 25.0 37.6

123 12.0 9.5 14.3





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.05 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BM001499.D

Acq: 31 May 2015 06:54

Instrument :

BNA_M

ClientSampleId :

ICVBM053115

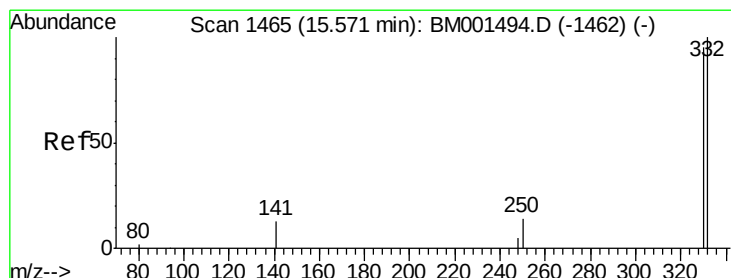
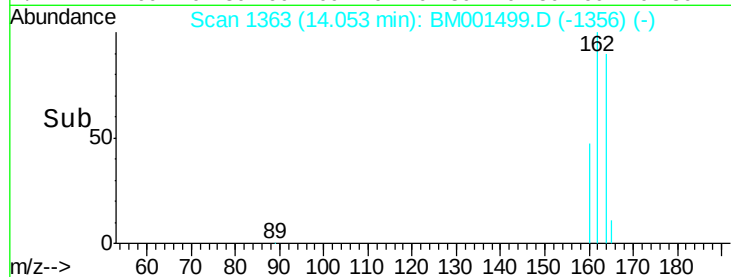
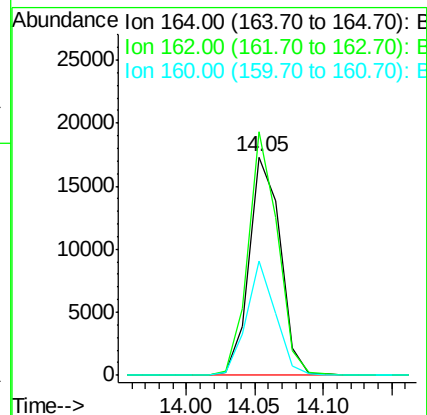
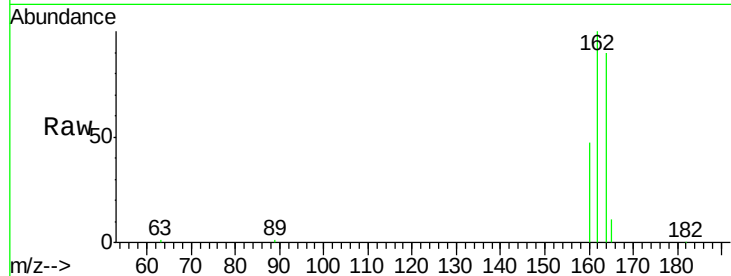
Tgt Ion:164 Resp: 27089

Ion Ratio Lower Upper

164 100

162 111.5 75.3 112.9

160 52.2 30.1 45.1#



#10

2,4,6-Tribromophenol

Concen: 1.04 ng

RT: 15.57 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM001499.D

Acq: 31 May 2015 06:54

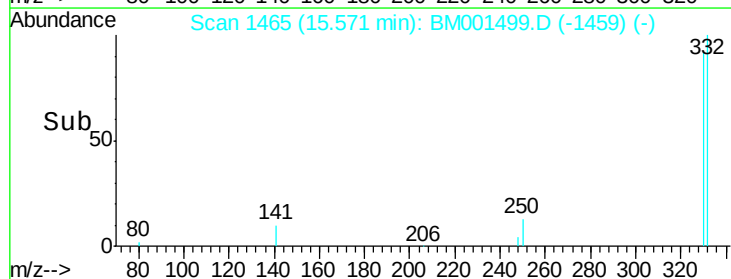
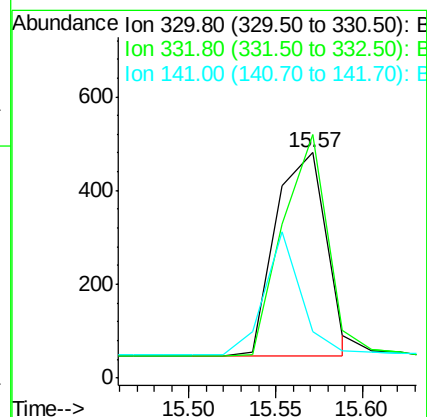
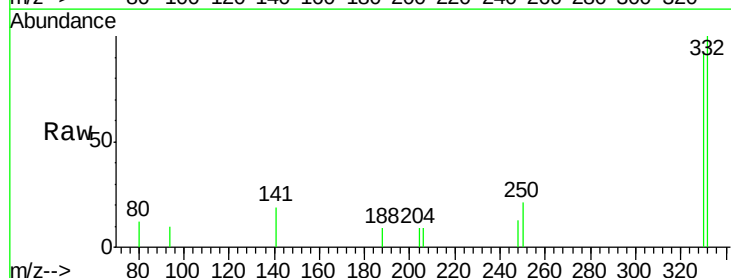
Tgt Ion:330 Resp: 875

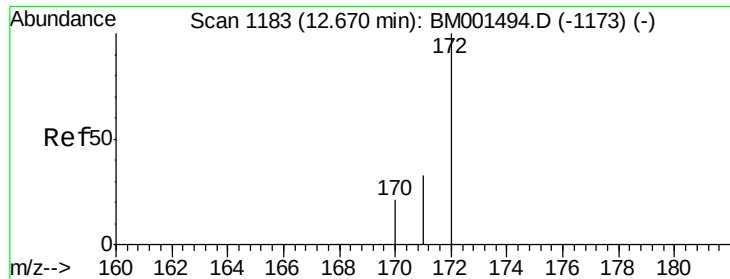
Ion Ratio Lower Upper

330 100

332 95.8 77.6 116.4

141 42.7 34.3 51.5

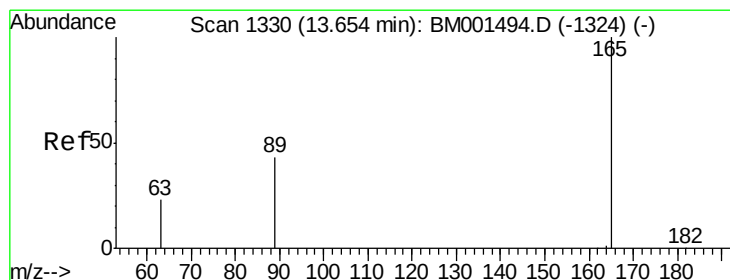
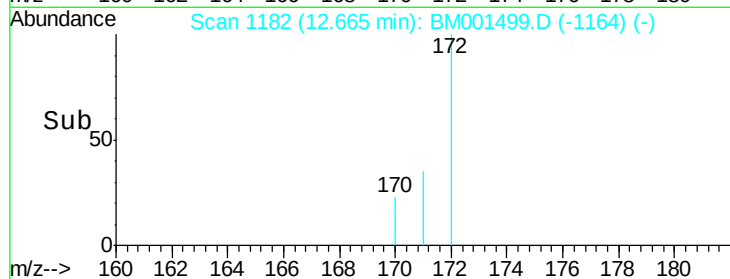
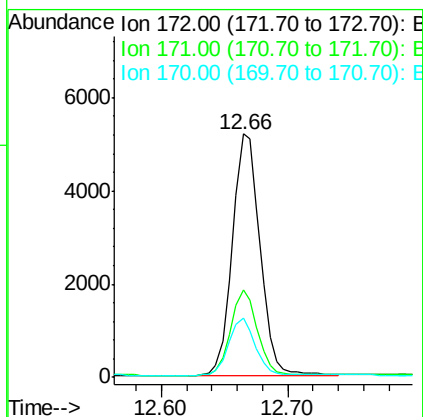
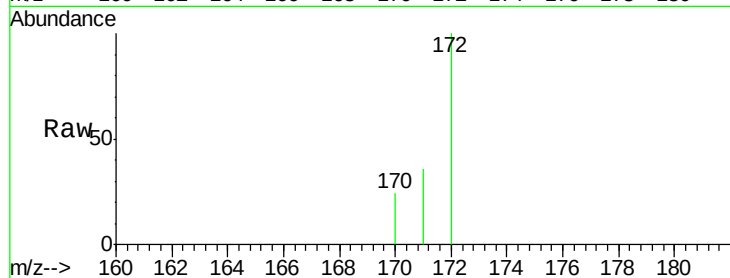




#11
2-Fluorobiphenyl
Concen: 1.02 ng
RT: 12.66 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BM001499.D
Acq: 31 May 2015 06:54

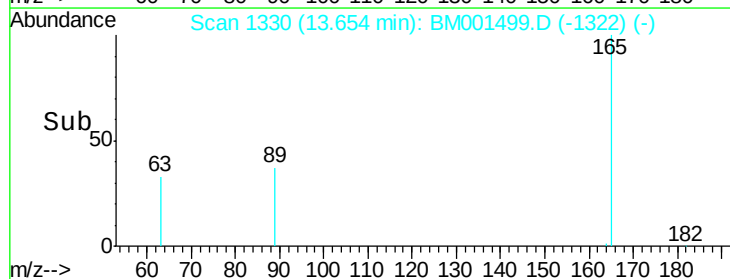
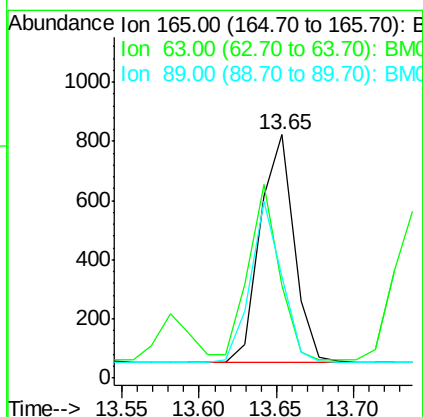
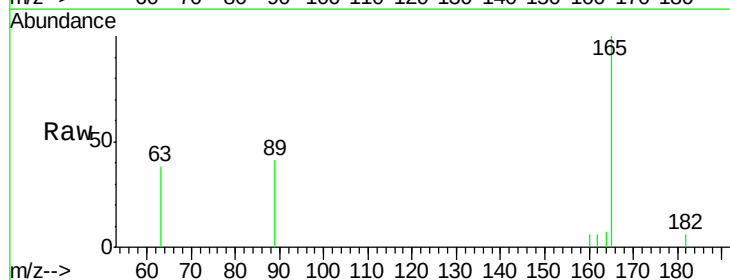
Instrument :
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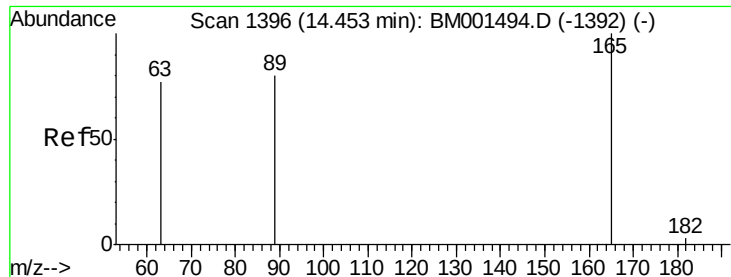
Tgt Ion:172 Resp: 7793
Ion Ratio Lower Upper
172 100
171 36.0 27.2 40.8
170 24.2 17.8 26.6



#12
2,6-Dinitrotoluene
Concen: 1.02 ng
RT: 13.65 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BM001499.D
Acq: 31 May 2015 06:54

Tgt Ion:165 Resp: 1186
Ion Ratio Lower Upper
165 100
63 37.9 35.3 52.9
89 41.4 37.4 56.2

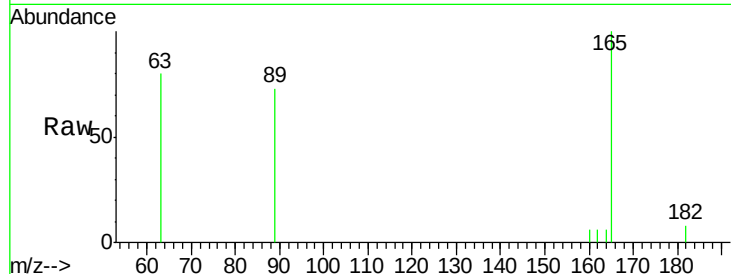




#13
2,4-Dinitrotoluene
Concen: 0.97 ng
RT: 14.45 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BM001499.D
Acq: 31 May 2015 06:54

Instrument :
BNA_M
ClientSampleId :
ICVBM053115

Tgt Ion:	165	Resp:	1298
Ion	Ratio	Lower	Upper
165	100		
63	80.2	63.9	95.9
89	73.4	65.0	97.6
182	8.2	6.2	9.4

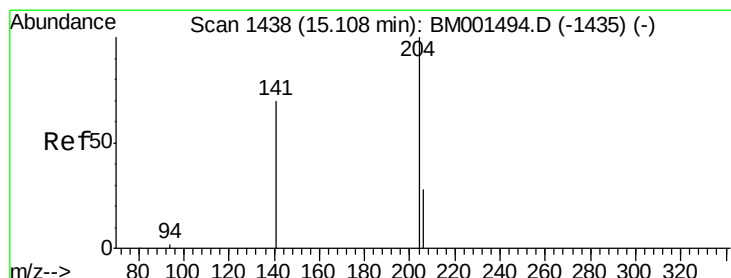
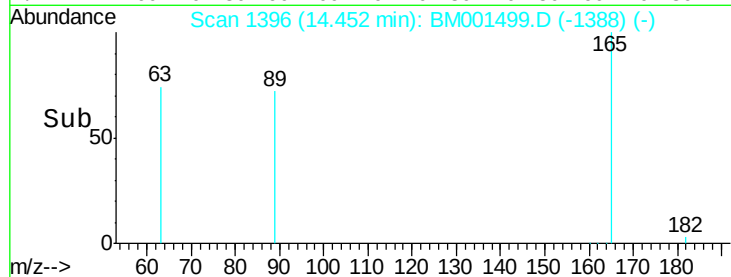
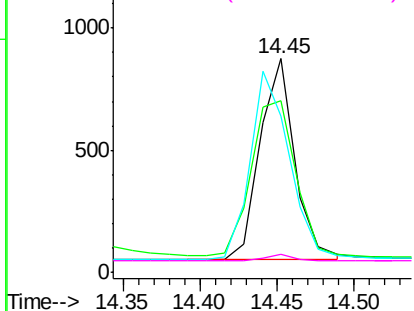


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

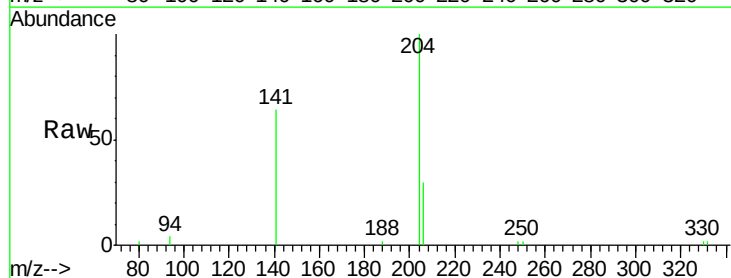
Ion 89.00 (88.70 to 89.70): BM0

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: BM001499.D
Acq: 31 May 2015 06:54

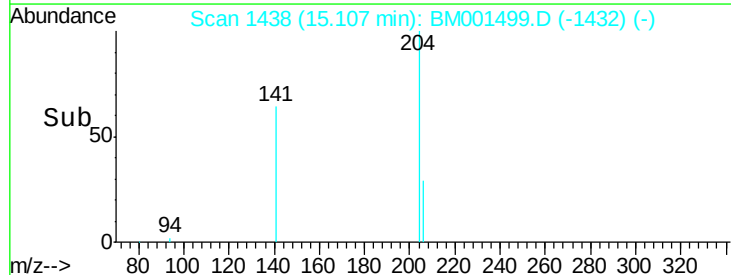
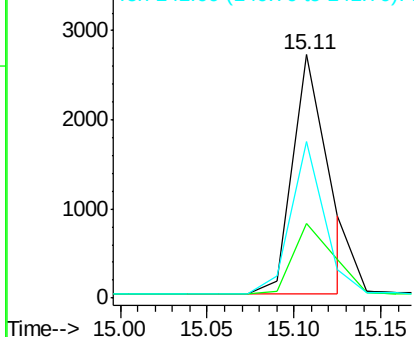
Tgt Ion:	204	Resp:	3825
Ion	Ratio	Lower	Upper
204	100		
206	30.4	23.8	35.6
141	64.4	56.6	85.0

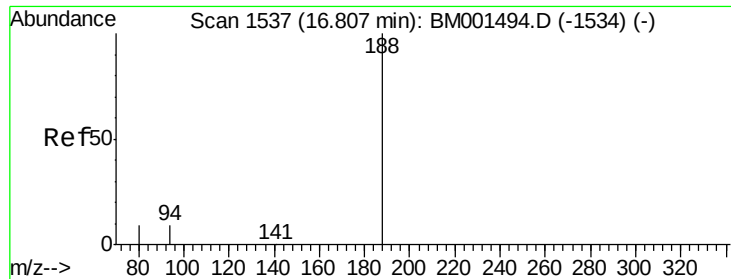


Abundance Ion 204.00 (203.70 to 204.70): E

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: BM001499.D

Acq: 31 May 2015 06:54

Instrument :

BNA_M

ClientSampleId :

ICVBM053115

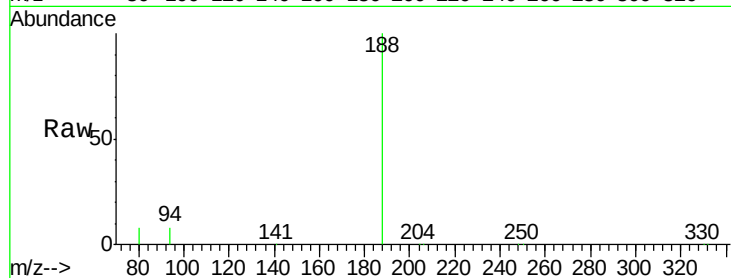
Tgt Ion:188 Resp: 52930

Ion Ratio Lower Upper

188 100

94 8.1 7.1 10.7

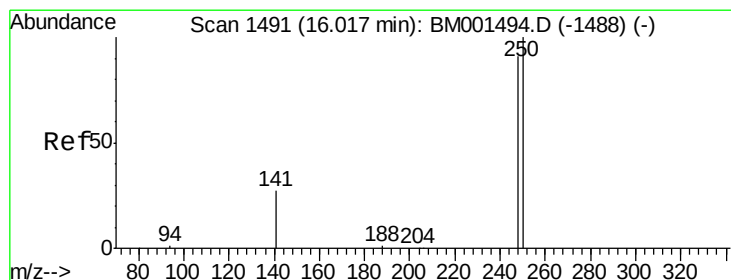
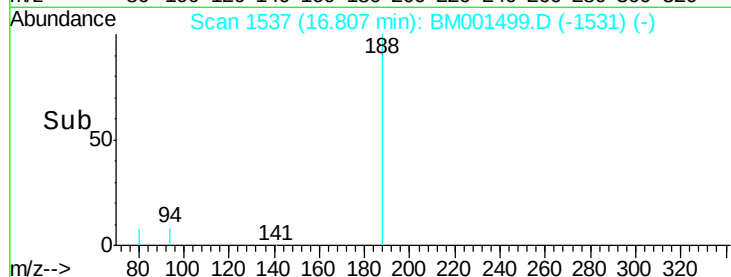
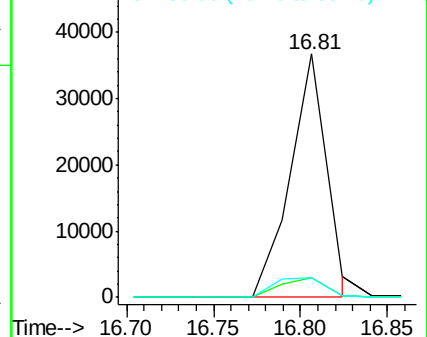
80 8.0 7.3 10.9



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: BM001499.D

Acq: 31 May 2015 06:54

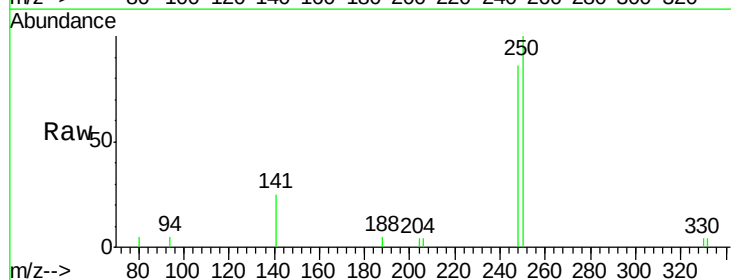
Tgt Ion:248 Resp: 2145

Ion Ratio Lower Upper

248 100

250 116.3 87.3 130.9

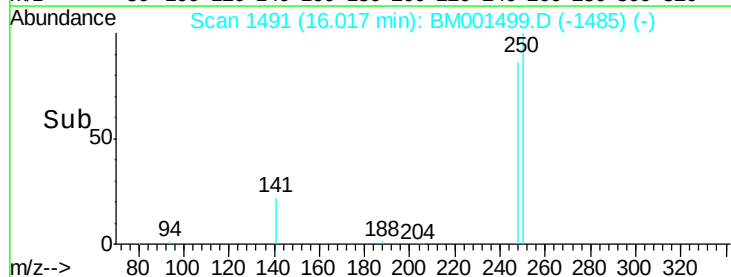
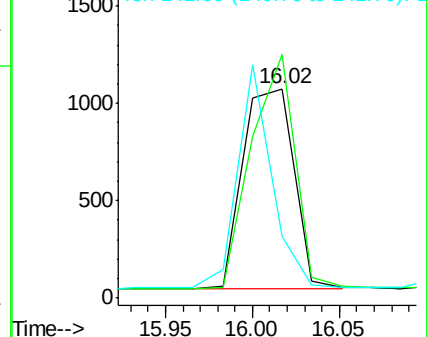
141 29.5 25.8 38.8

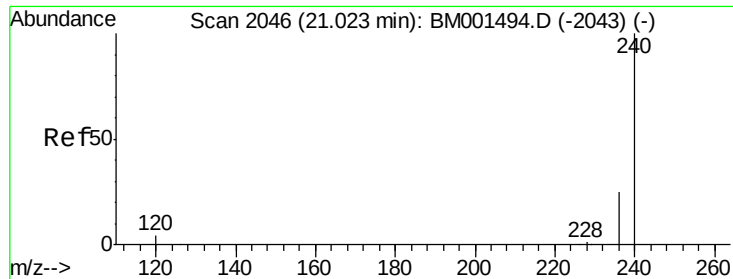


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

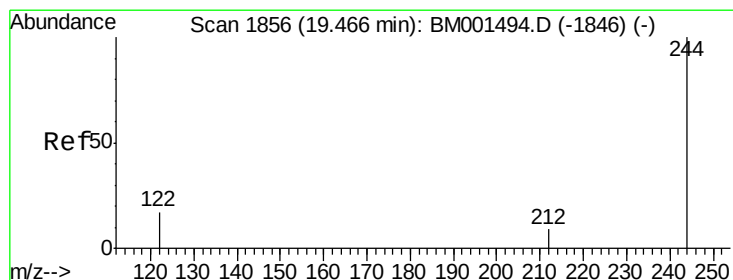
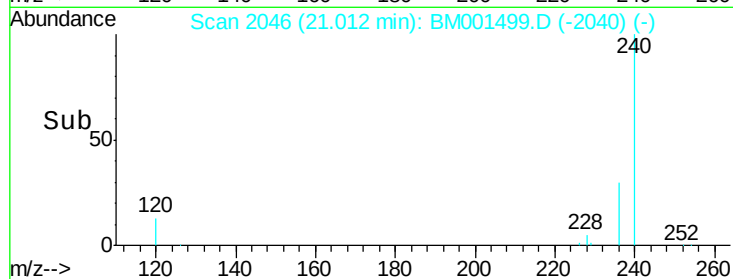
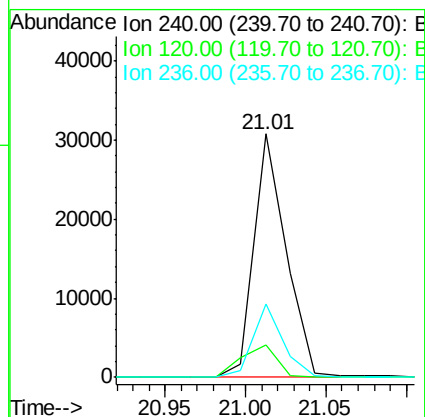
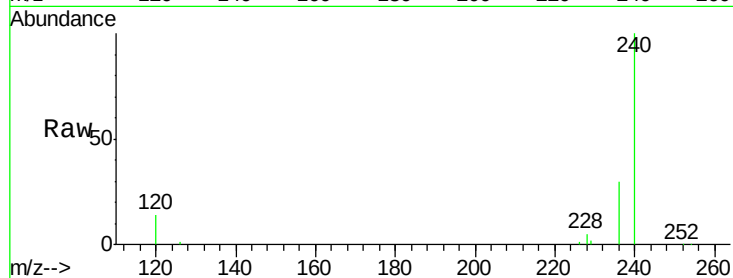




#17
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.01 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BM001499.D
 Acq: 31 May 2015 06:54

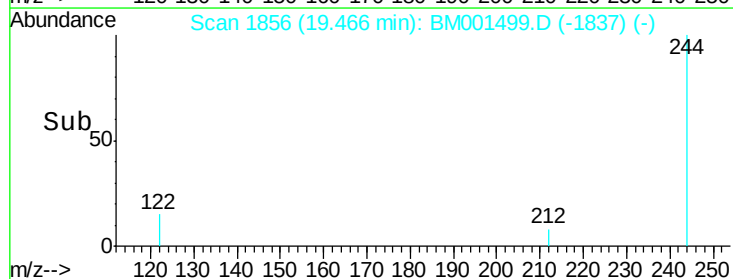
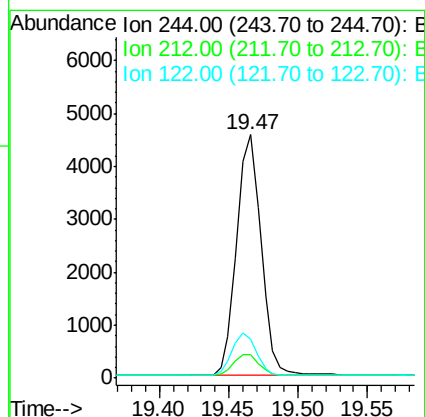
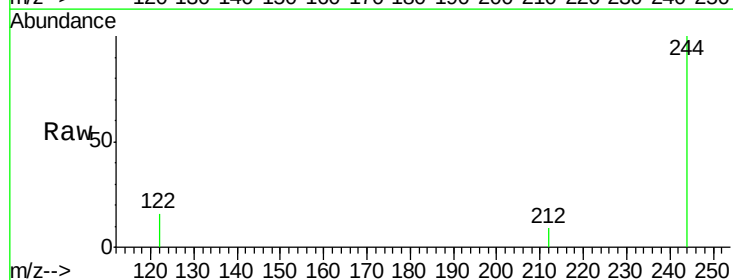
Instrument :
 BNA_M
 ClientSampleId :
 ICVBM053115

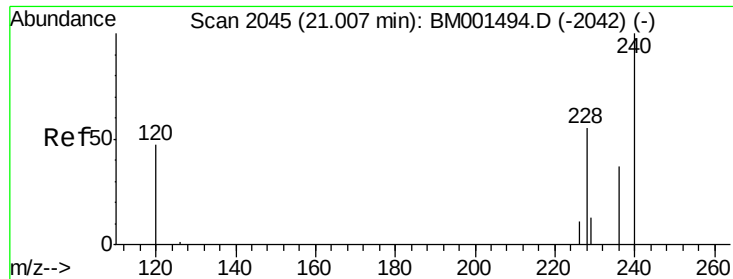
Tgt Ion:240 Resp: 42806
 Ion Ratio Lower Upper
 240 100
 120 13.5 3.7 5.5#
 236 30.1 19.8 29.8#



#18
 Terphenyl-d14
 Concen: 1.04 ng
 RT: 19.47 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: BM001499.D
 Acq: 31 May 2015 06:54

Tgt Ion:244 Resp: 5583
 Ion Ratio Lower Upper
 244 100
 212 9.5 8.0 12.0
 122 15.8 14.1 21.1





#19

Benzo(a)anthracene

Concen: 4.33 ng

RT: 21.00 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BM001499.D

Acq: 31 May 2015 06:54

Instrument :

BNA_M

ClientSampleId :

ICVBM053115

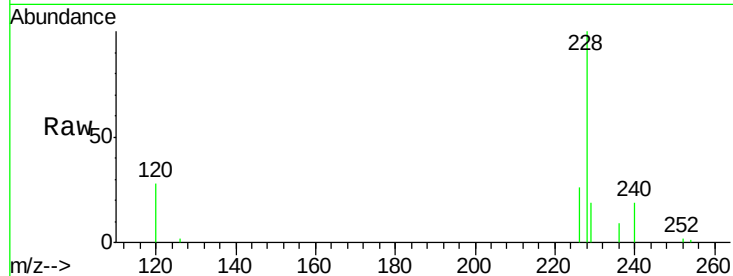
Tgt Ion:228 Resp: 11645

Ion Ratio Lower Upper

228 100

226 25.9 17.5 26.3

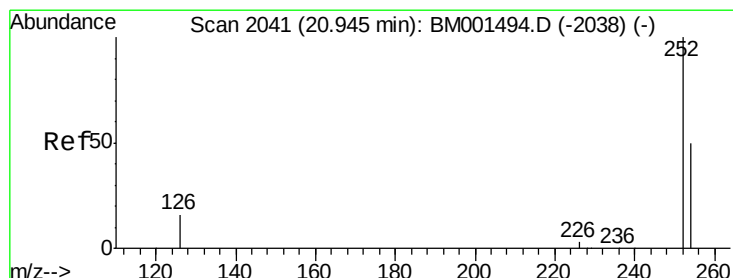
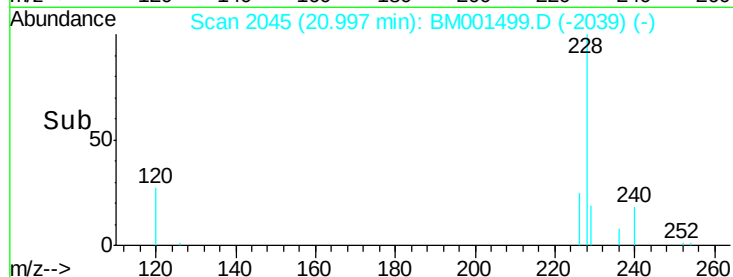
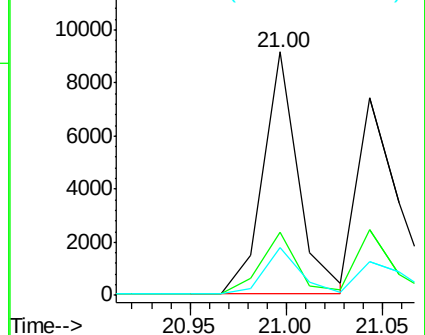
229 19.5 19.0 28.4



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: 1.19 ng

RT: 20.95 min Scan# 2042

Delta R.T. 0.01 min

Lab File: BM001499.D

Acq: 31 May 2015 06:54

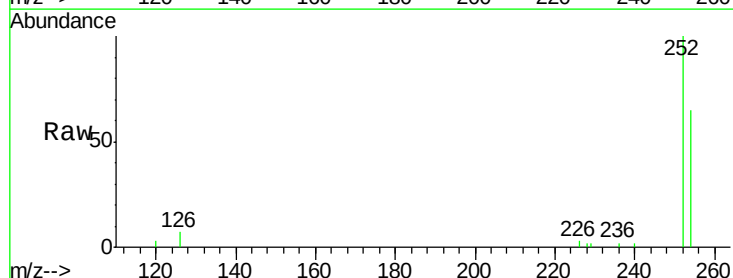
Tgt Ion:252 Resp: 3384

Ion Ratio Lower Upper

252 100

254 65.0 41.2 61.8#

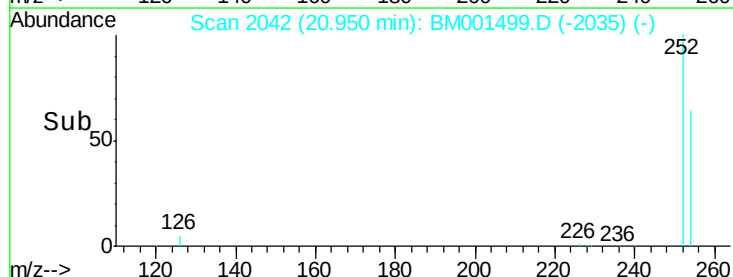
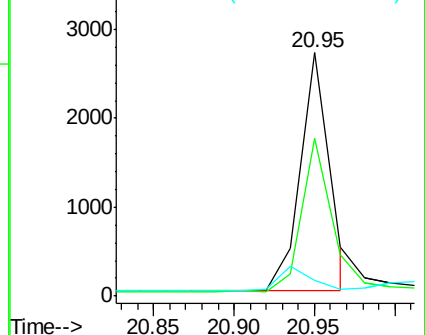
126 6.6 14.7 22.1#

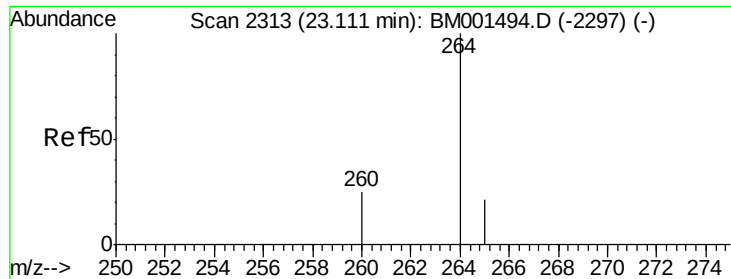


Abundance Ion 252.00 (251.70 to 252.70): E

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# 2314
Delta R.T. -0.00 min
Lab File: BM001499.D
Acq: 31 May 2015 06:54

Instrument :
BNA_M
ClientSampleId :
ICVBM053115

Tgt Ion: 264 Resp: 37776
Ion Ratio Lower Upper
264 100
260 25.1 19.8 29.8
265 21.5 18.0 27.0

