

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053115\
 Data File : BM001506.D
 Acq On : 31 May 2015 11:07
 Operator : TP/IZ
 Sample : PB83689BS
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83689BS

Manual Integrations
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Quant Time: Jun 01 05:57:06 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 07:43:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	13421	5.00	ng	0.00
6) Naphthalene-d8	10.15	136	52314	5.00	ng	0.00
9) Acenaphthene-d10	14.06	164	28115	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	57273m	5.00	ng	0.00
17) Chrysene-d12	21.03	240	48454	5.00	ng	0.00
21) Perylene-d12	23.11	264	41270	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.97	112	28988	10.98	ng	0.00
3) Phenol-d6	6.57	99	41918	12.17	ng	0.00
7) Nitrobenzene-d5	8.51	82	20898	7.39	ng	-0.03
10) 2,4,6-Tribromophenol	15.56	330	13343	13.39	ng	-0.01
11) 2-Fluorobiphenyl	12.67	172	60891	7.47	ng	0.00
18) Terphenyl-d14	19.46	244	46478	7.17	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.80	93	21506	8.09	ng	96
5) n-Nitroso-di-n-propylamine	8.18	70	17203	7.93	ng	92
8) bis(2-Chloroethoxy)methane	9.58	93	27748	8.22	ng	98
12) 2,6-Dinitrotoluene	13.65	165	13503	7.80	ng	# 65
13) 2,4-Dinitrotoluene	14.45	165	18899	8.52	ng	# 86
14) 4-Chlorophenyl-phenylether	15.11	204	33057m	8.10	ng	
16) 4-Bromophenyl-phenylether	16.01	248	18757	7.86	ng	# 64
19) Benzo(a)anthracene	21.00	228	95411	7.22	ng	# 85
20) 3,3'-Dichlorobenzidine	20.95	252	37897	8.78	ng	# 87

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

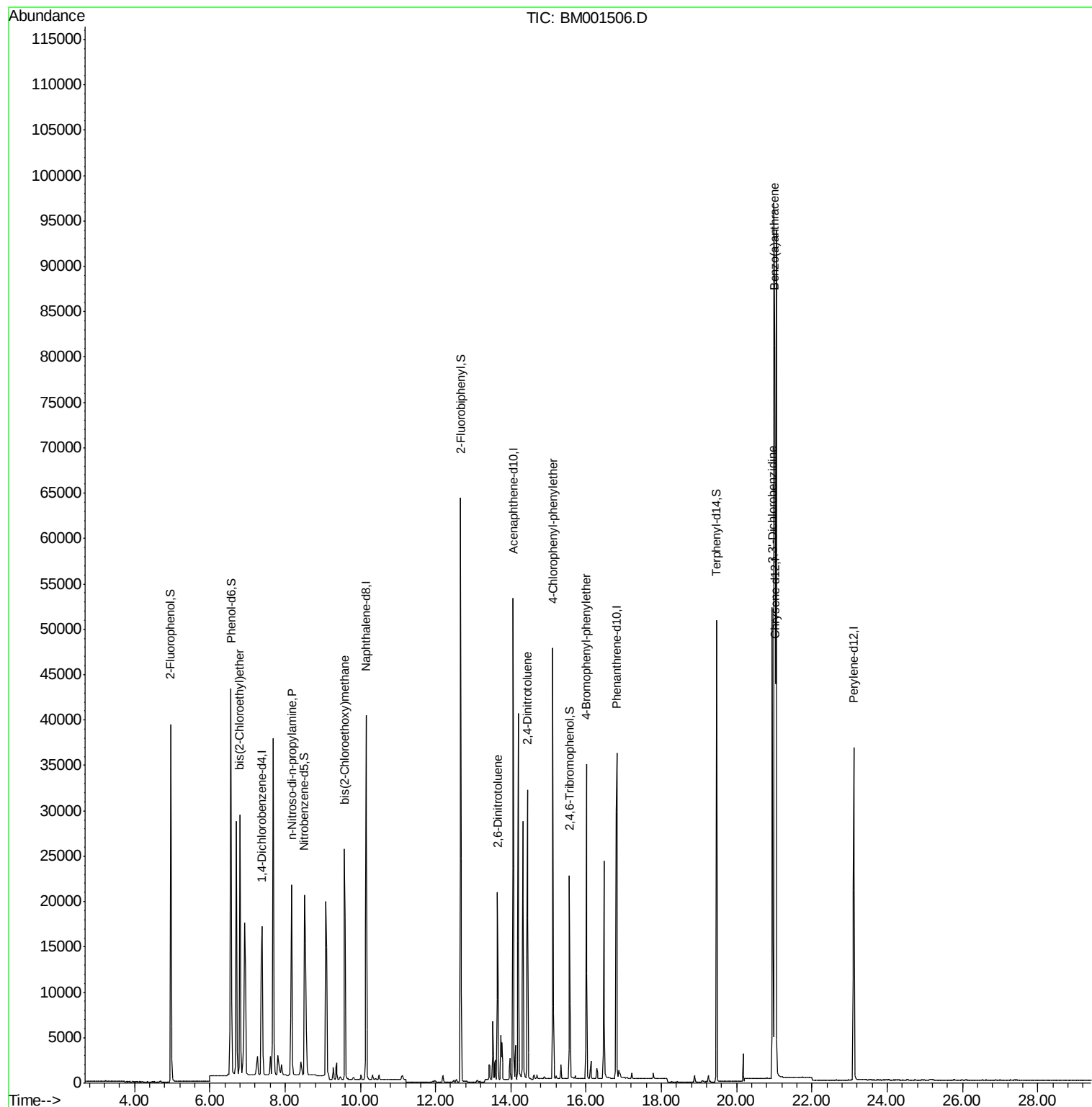
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053115\
Data File : BM001506.D
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Sample : PB83689BS
Misc :
ALS Vial : 35 Sample Multiplier: 1

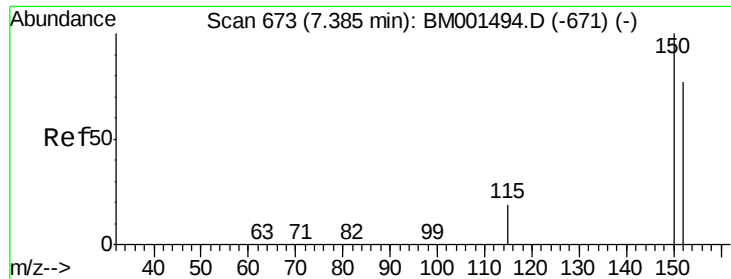
Instrument :
BNA_M
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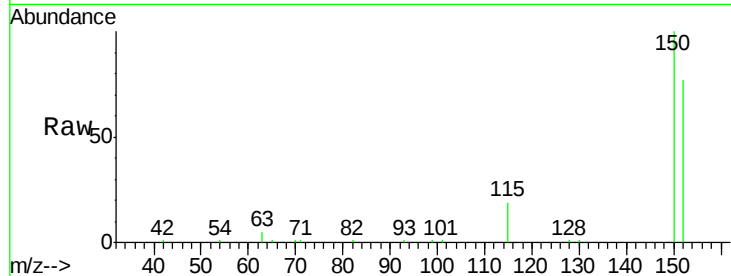




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.38 min Scan# 673
Delta R.T. -0.00 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07

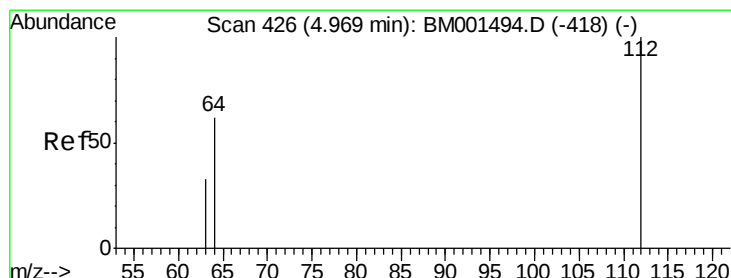
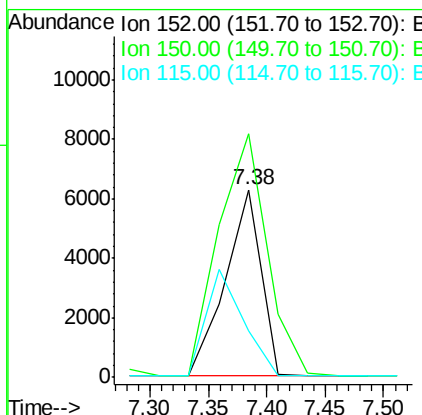
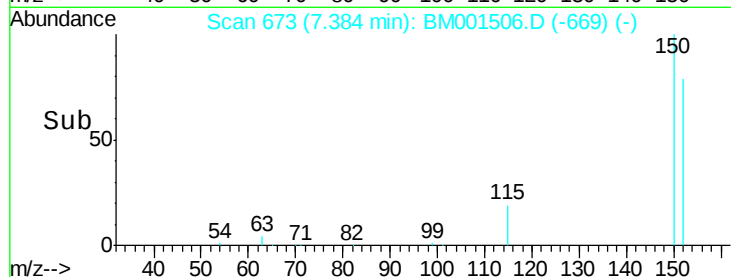
Instrument :
BNA_M
ClientSampleId :
PB83689BS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	129.8	103.8	155.8
115	24.8	20.7	31.1

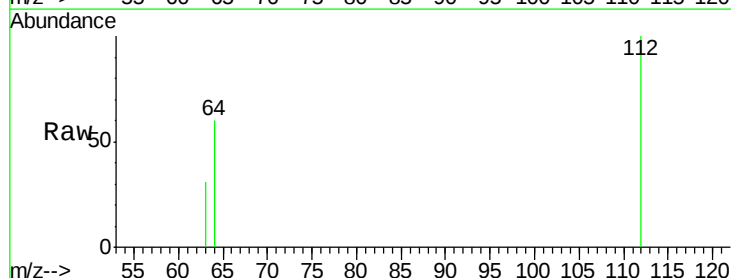
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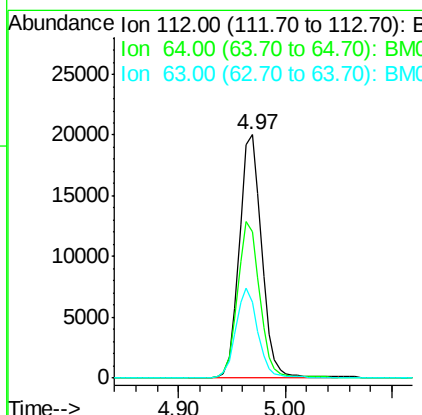
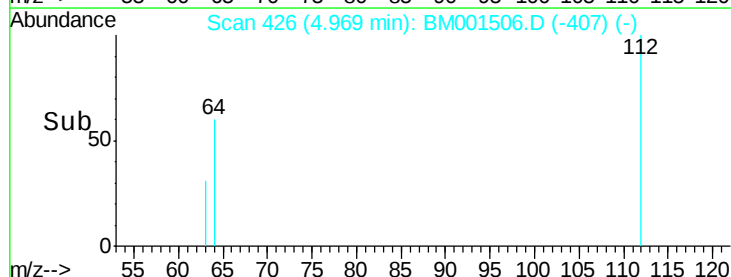


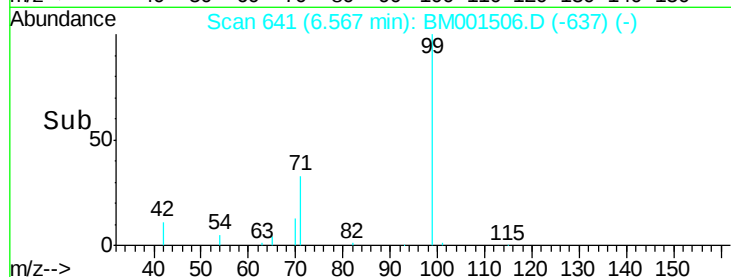
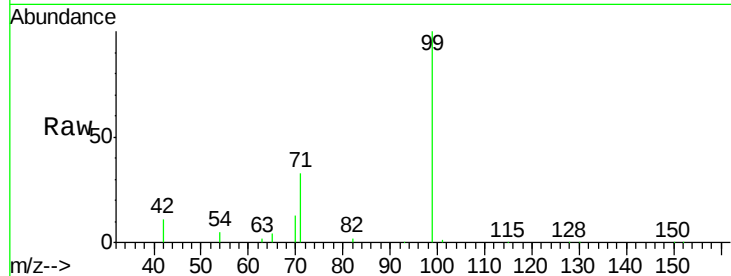
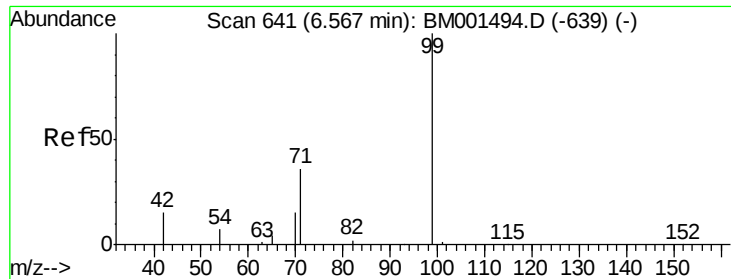
#2

2-Fluorophenol
Concen: 10.98 ng
RT: 4.97 min Scan# 426
Delta R.T. -0.00 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07



Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	50.2	75.2
63	31.2	28.2	42.4





#3

Phenol-d6

Concen: 12.17 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Tgt Ion:	99	Resp:	41918
Ion Ratio	Lower	Upper	
99	100		
42	11.3	15.2	22.8#
71	33.0	30.6	46.0

Instrument :

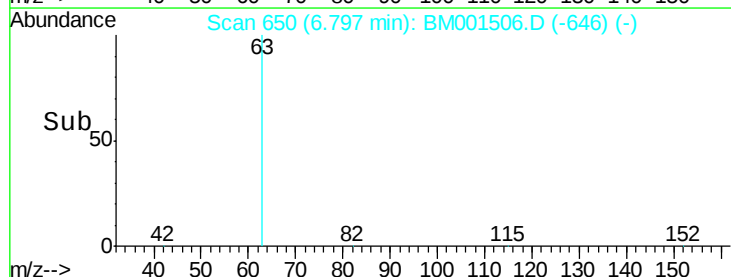
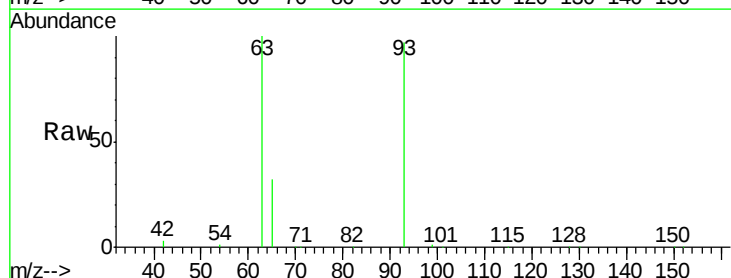
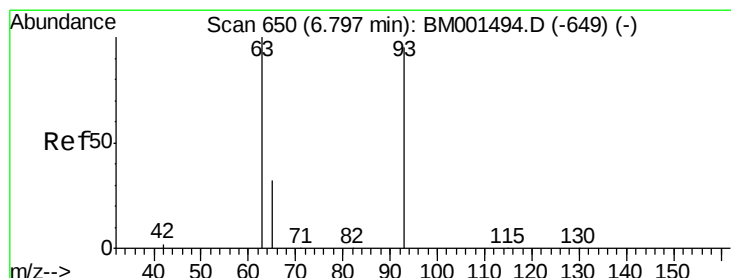
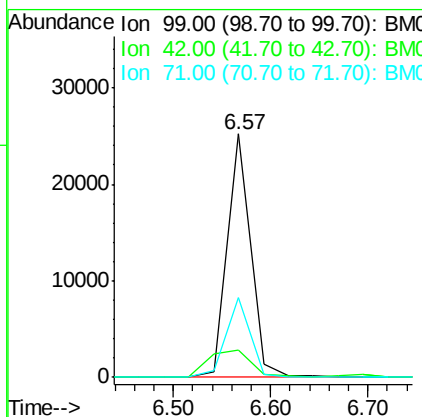
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ClientSampleId :

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#4

bis(2-Chloroethyl)ether

Concen: 8.09 ng

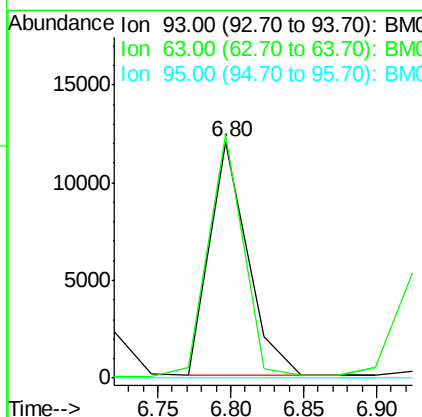
RT: 6.80 min Scan# 650

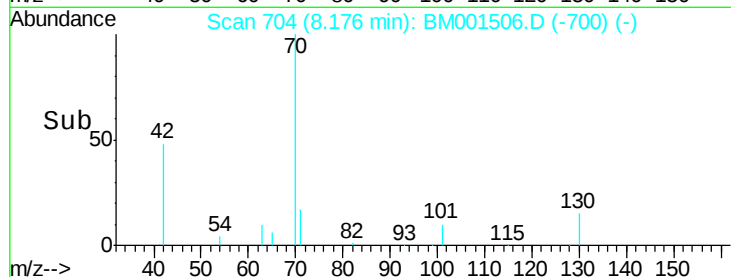
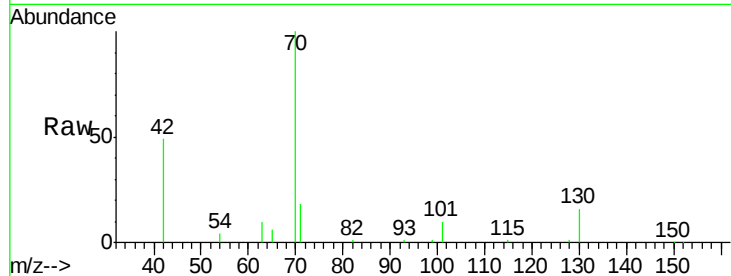
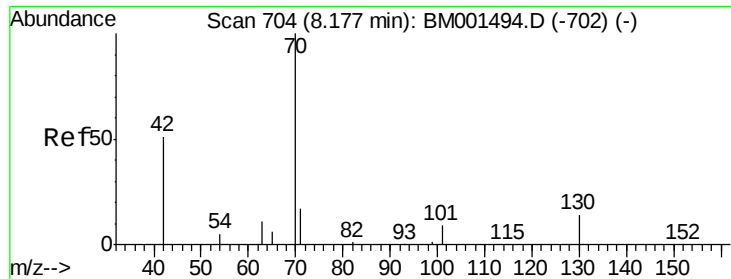
Delta R.T. -0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Tgt Ion:	93	Resp:	21506
Ion Ratio	Lower	Upper	
93	100		
63	103.0	86.8	126.8
95	0.0	0.0	20.0





#5

n-Nitroso-di-n-propylamine

Concen: 7.93 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Instrument :

BNA_M

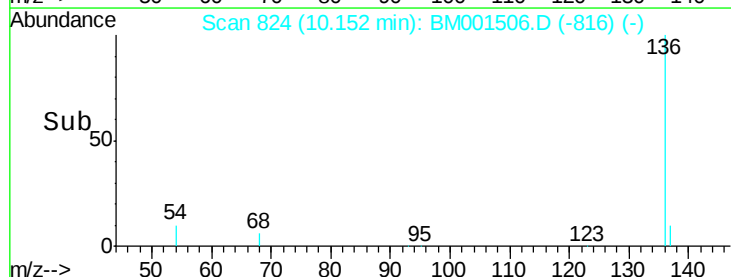
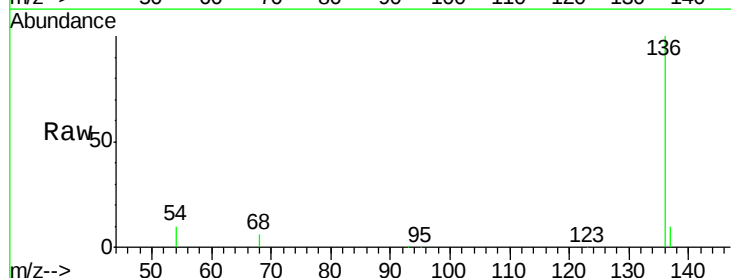
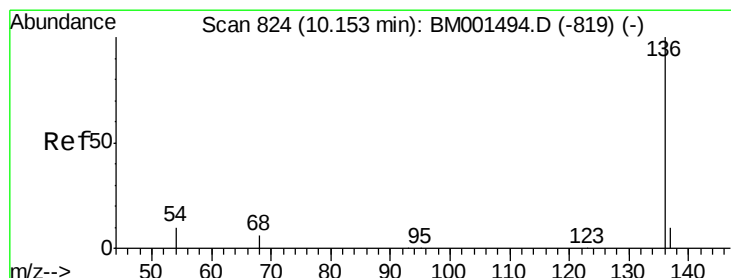
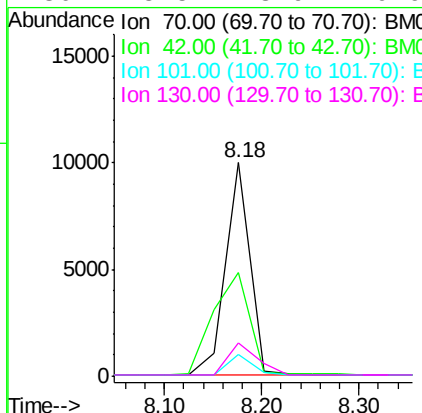
ClientSampleId :

PB83689BS

Tgt Ion	Ratio	Lower	Upper
70	100		
42	48.5	44.2	66.2
101	10.5	10.3	15.5
130	15.5	13.9	20.9

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#6

Naphthalene-d8

Concen: 5.00 ng

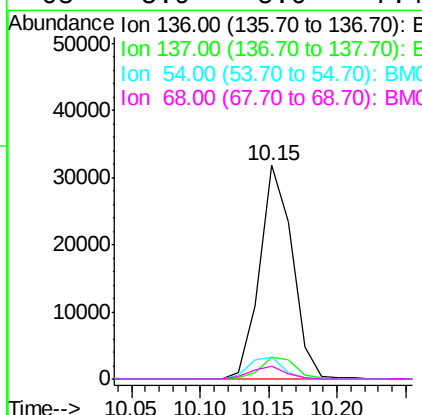
RT: 10.15 min Scan# 824

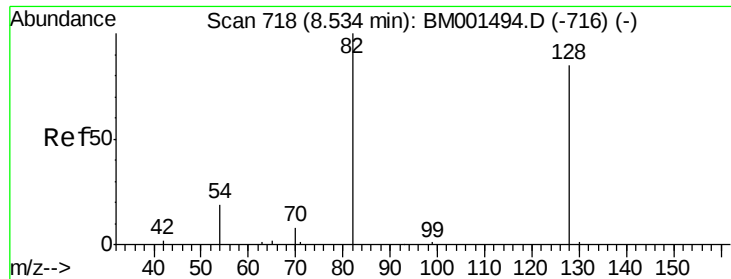
Delta R.T. -0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.3	12.5
54	10.3	8.5	12.7
68	5.9	5.0	7.4





#7

Nitrobenzene-d5

Concen: 7.39 ng

RT: 8.51 min Scan# 717

Delta R.T. -0.03 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Instrument :

BNA_M

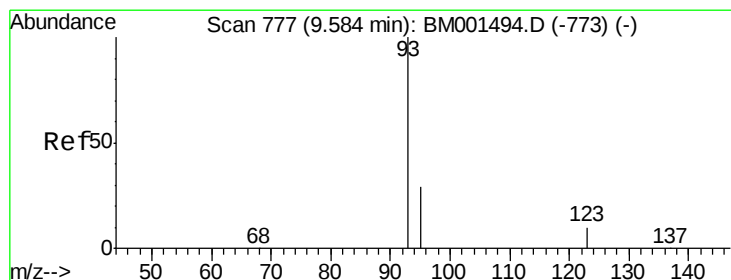
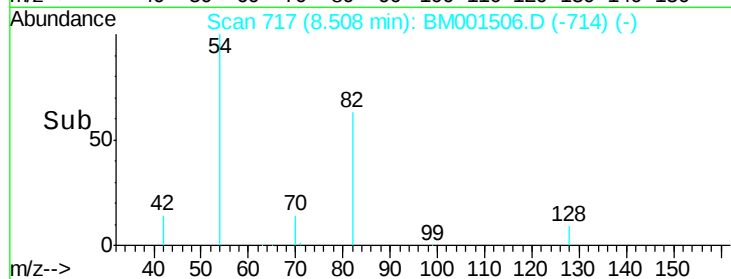
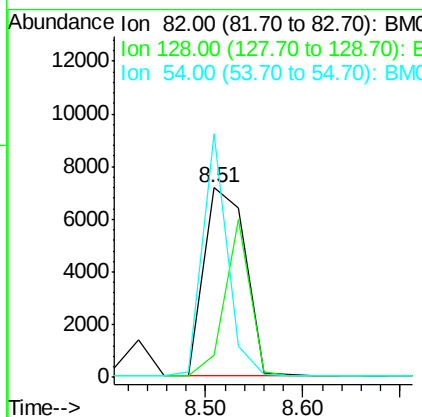
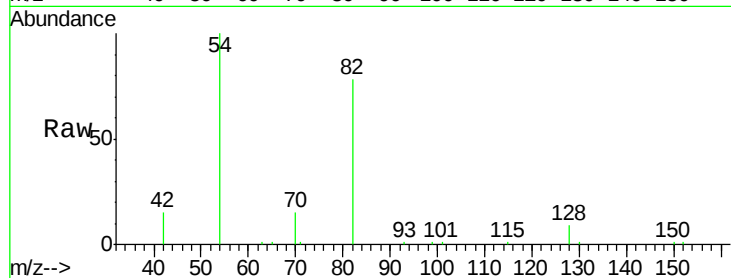
ClientSampleId :

PB83689BS

Tgt Ion:	82	Resp:	20898
Ion Ratio	Lower	Upper	
82	100		
128	11.8	68.2	102.2#
54	128.6	21.0	31.4#

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#8

bis(2-Chloroethoxy)methane

Concen: 8.22 ng

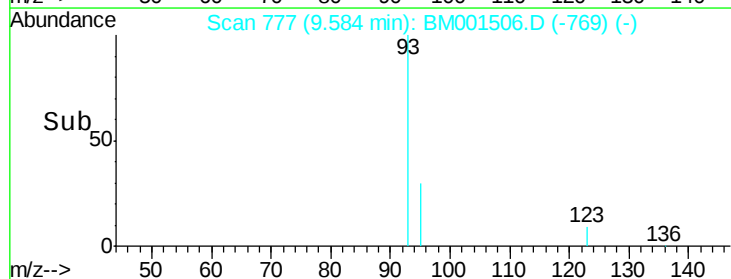
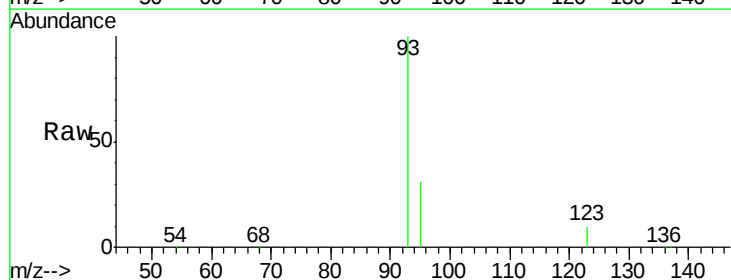
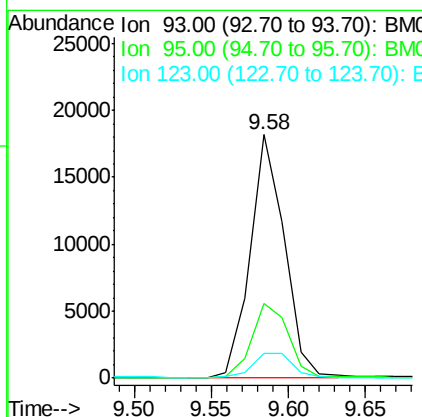
RT: 9.58 min Scan# 777

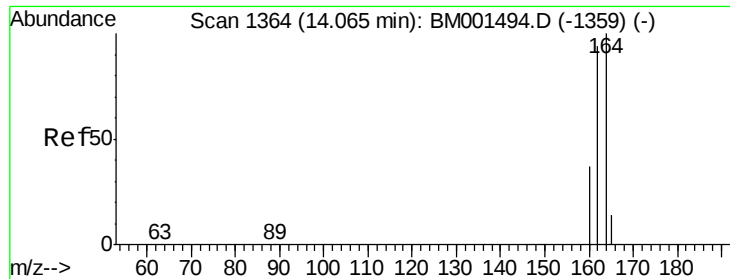
Delta R.T. -0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Tgt Ion:	93	Resp:	27748
Ion Ratio	Lower	Upper	
93	100		
95	30.6	25.0	37.6
123	10.1	9.5	14.3





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.06 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BM001506.D

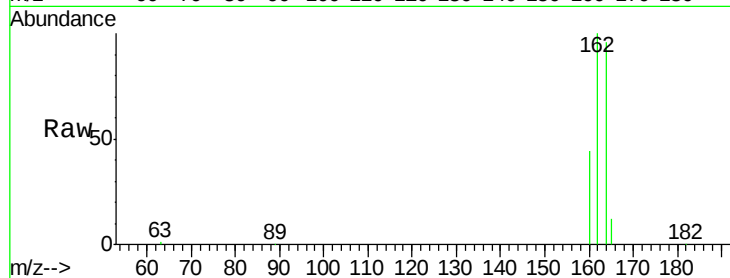
Acq: 31 May 2015 11:07

Instrument :

BNA_M

ClientSampleId :

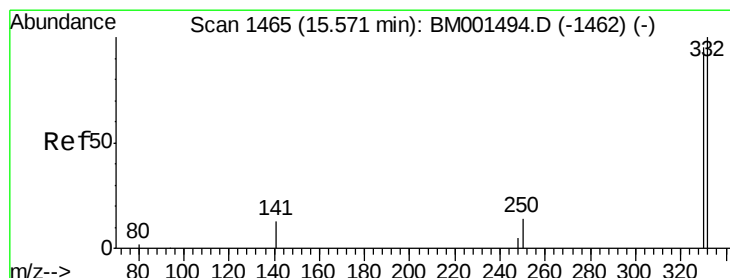
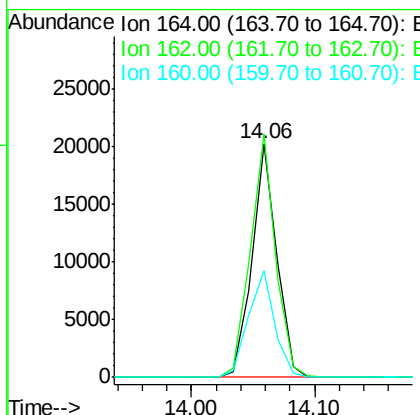
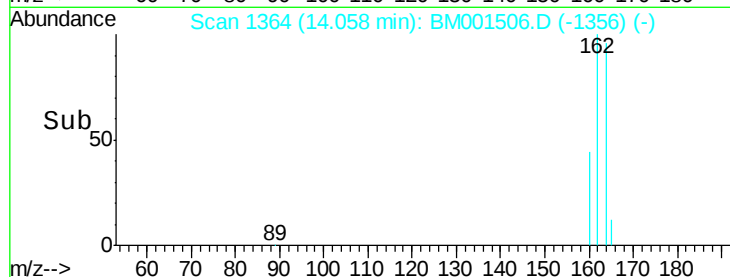
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Tgt Ion:	164	Resp:	28115
Ion Ratio	Lower	Upper	
164	100		
162	104.1	75.3	112.9
160	45.7	30.1	45.1#

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#10

2,4,6-Tribromophenol

Concen: 13.39 ng

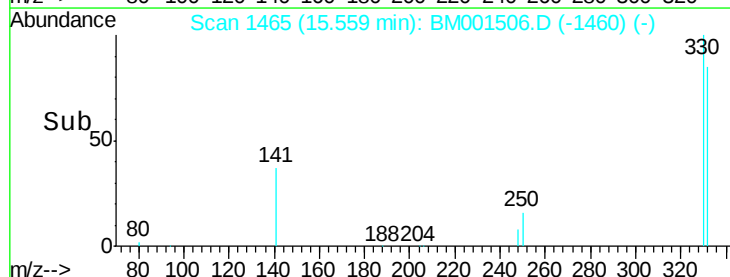
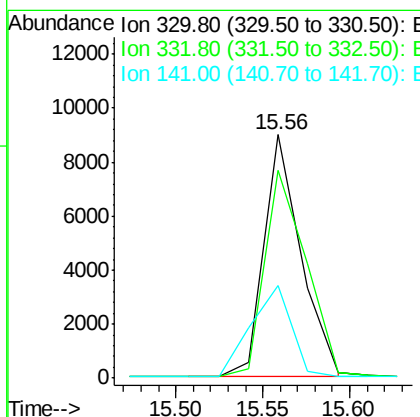
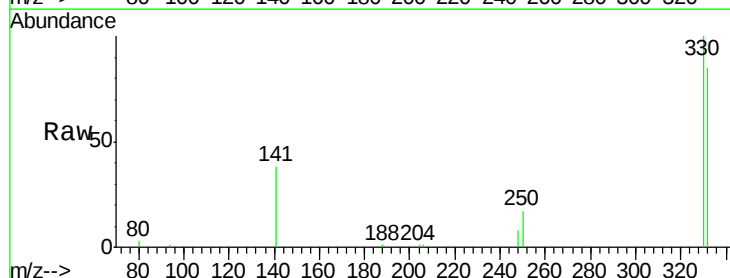
RT: 15.56 min Scan# 1465

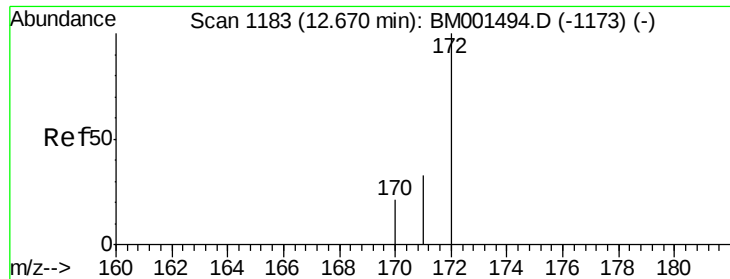
Delta R.T. -0.01 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

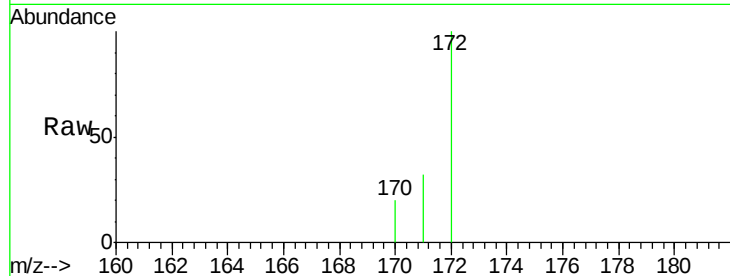
Tgt Ion:	330	Resp:	13343
Ion Ratio	Lower	Upper	
330	100		
332	95.2	77.6	116.4
141	42.2	34.3	51.5





#11
2-Fluorobiphenyl
Concen: 7.47 ng
RT: 12.67 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07

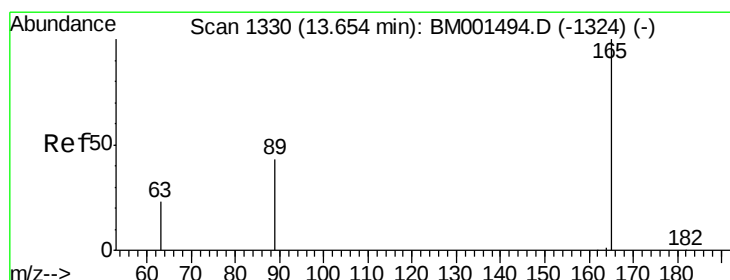
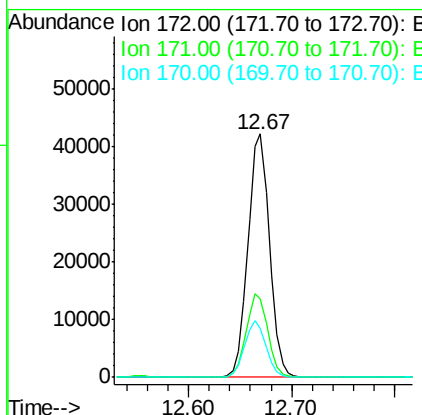
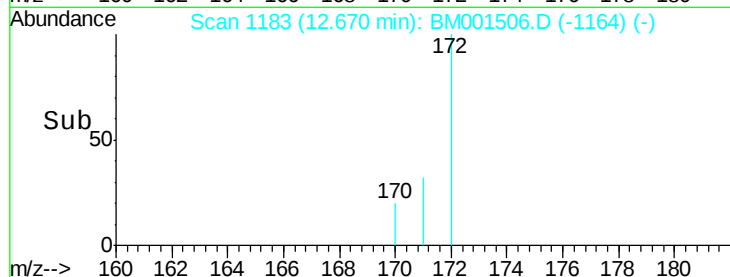
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:172 Resp: 60891
Ion Ratio Lower Upper
172 100
171 32.3 27.2 40.8
170 20.0 17.8 26.6

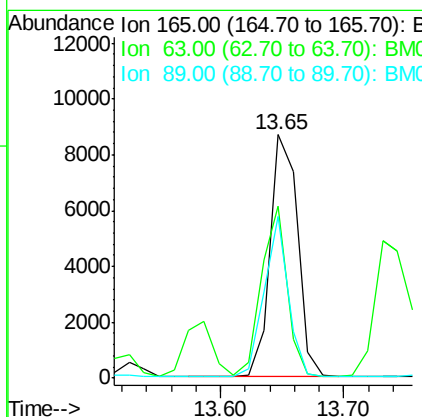
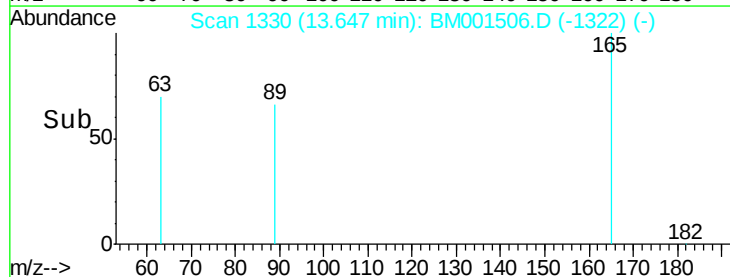
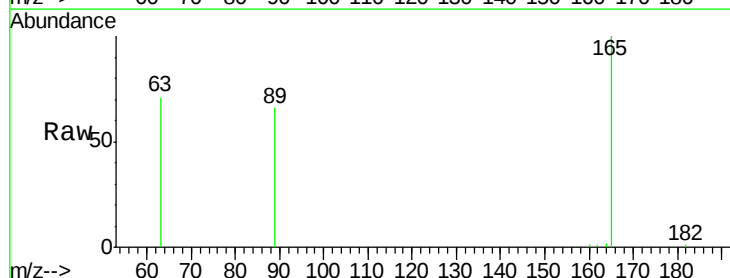
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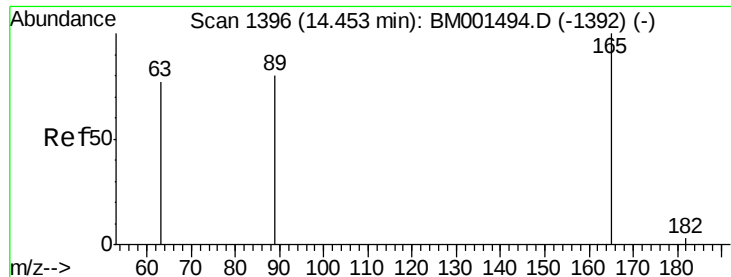
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#12
2,6-Dinitrotoluene
Concen: 7.80 ng
RT: 13.65 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07

Tgt Ion:165 Resp: 13503
Ion Ratio Lower Upper
165 100
63 70.5 35.3 52.9#
89 66.1 37.4 56.2#





#13

2,4-Dinitrotoluene

Concen: 8.52 ng

RT: 14.45 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Instrument :

BNA_M

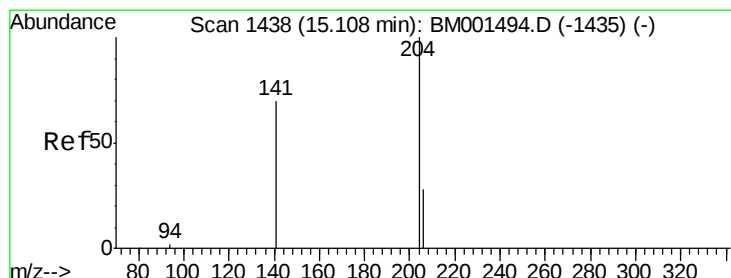
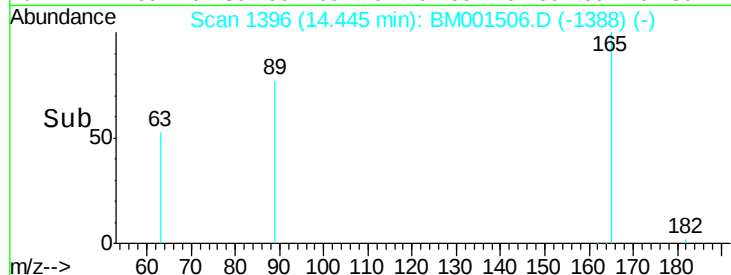
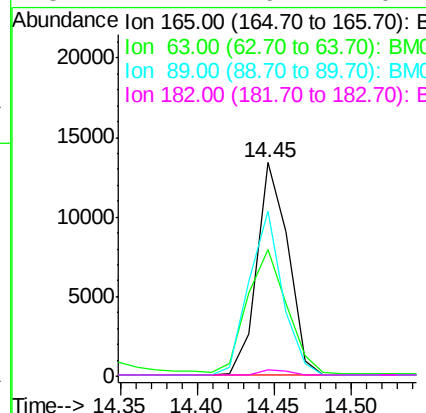
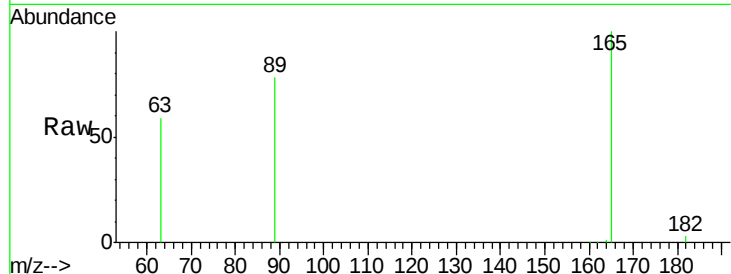
ClientSampleId :

PB83689BS

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Tgt Ion	Ratio	Resp	Lower	Upper
165	100	18899		
63	59.3	63.9	95.9#	
89	77.5	65.0	97.6	
182	2.7	6.2	9.4#	



#14

4-Chlorophenyl-phenylether

Concen: 8.10 ng m

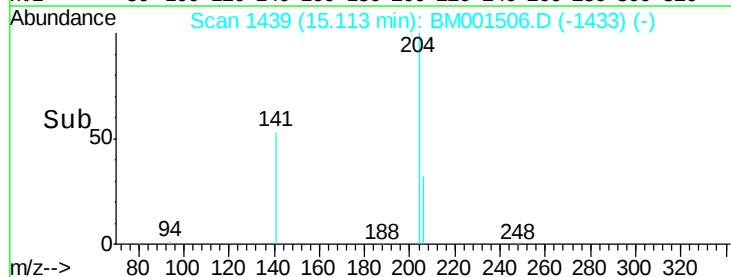
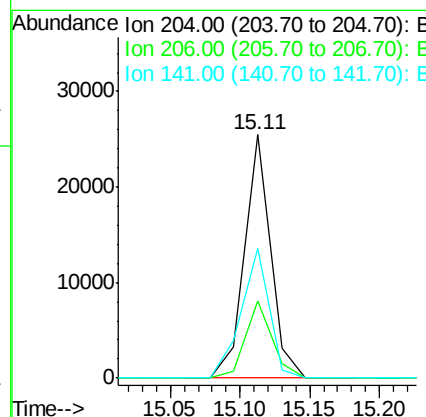
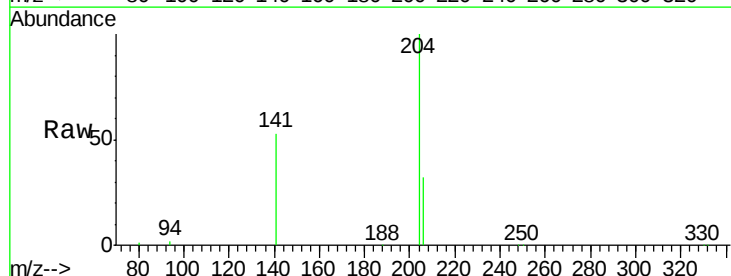
RT: 15.11 min Scan# 1439

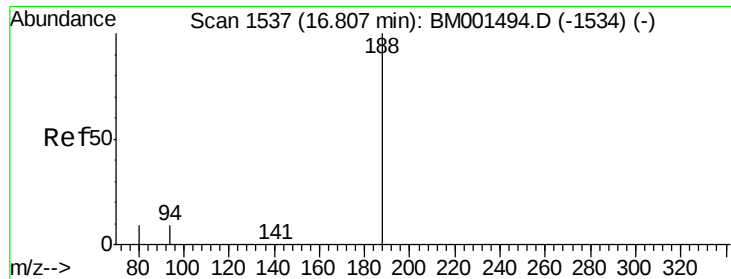
Delta R.T. 0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	33057		
206	31.7	23.8	35.6	
141	53.2	56.6	85.0#	





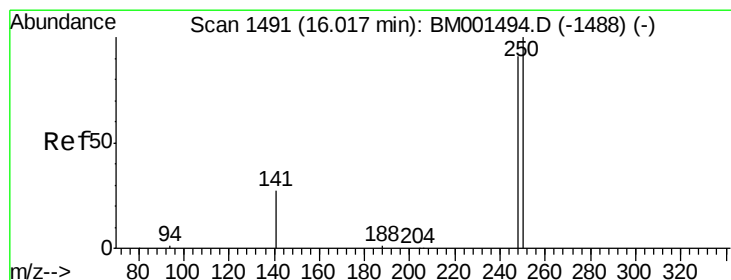
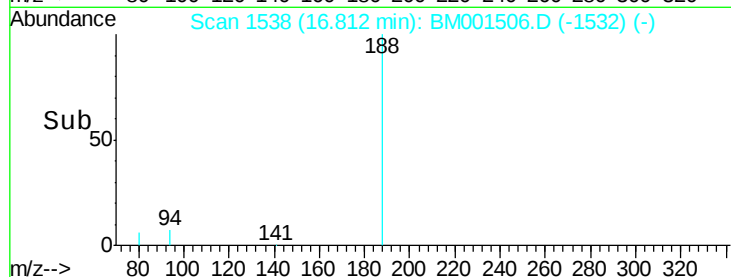
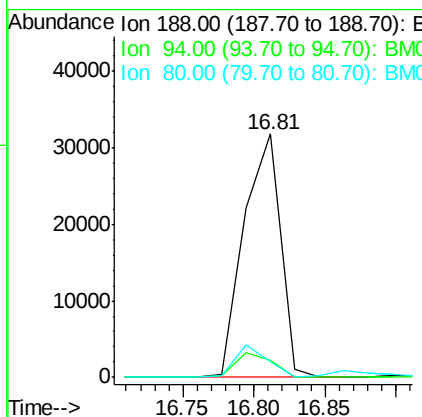
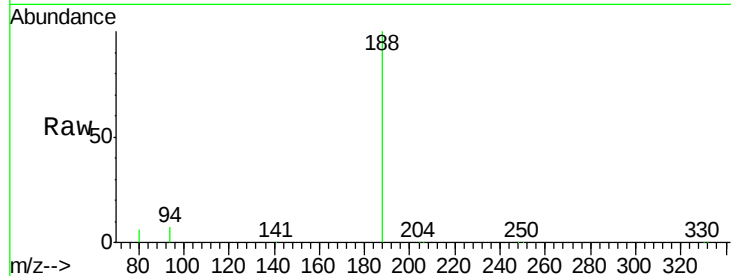
#15
Phenanthrene-d10
Concen: 5.00 ng m
RT: 16.81 min Scan# 1538
Delta R.T. 0.00 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07

Instrument :
BNA_M
ClientSampleId :
PB83689BS

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	57273		
94	6.9		7.1	10.7#
80	6.3		7.3	10.9#

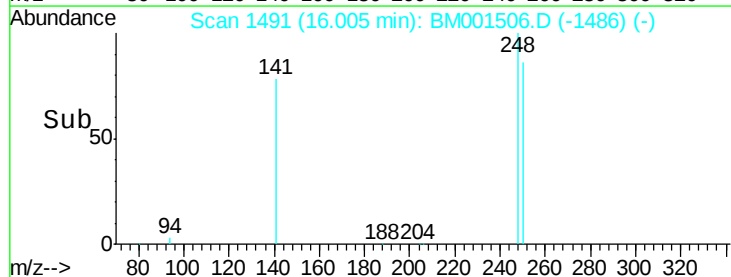
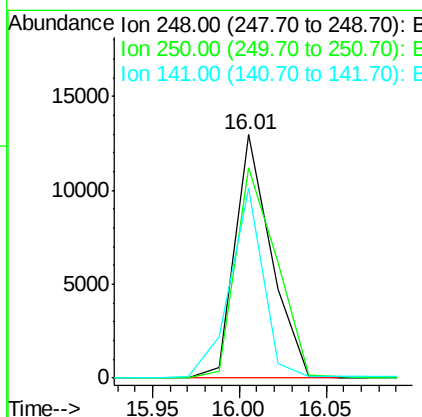
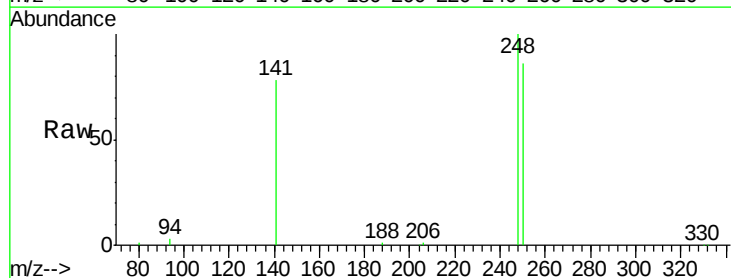
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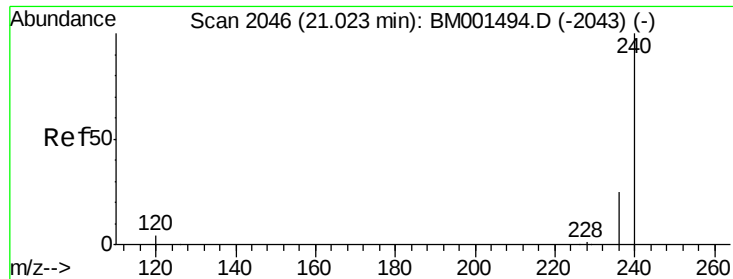
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#16
4-Bromophenyl-phenylether
Concen: 7.86 ng
RT: 16.01 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	18757		
250	86.1		87.3	130.9#
141	78.0		25.8	38.8#





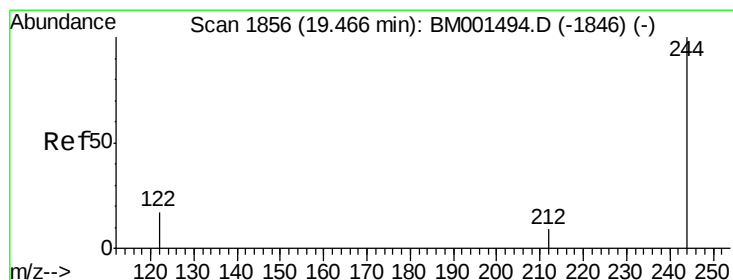
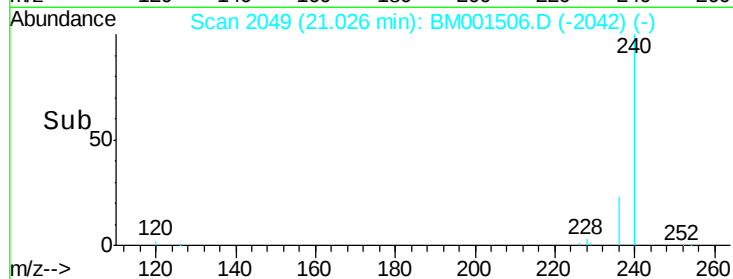
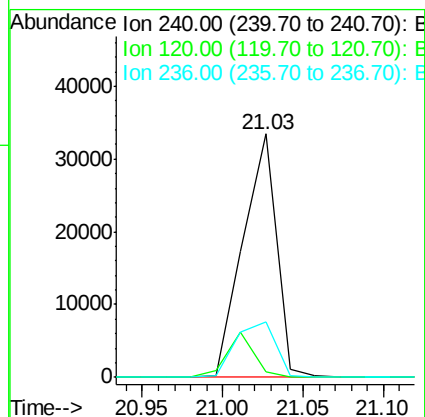
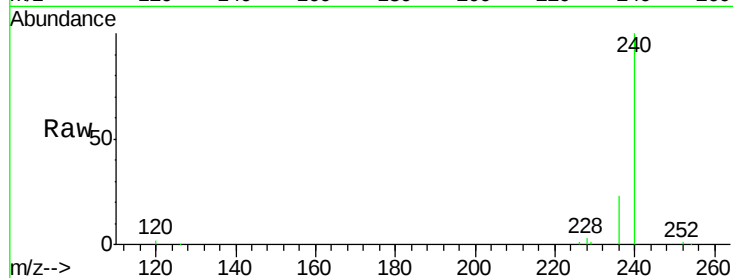
#17
Chrysene-d12
Concen: 5.00 ng
RT: 21.03 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07

Instrument :
BNA_M
ClientSampleId :
PB83689BS

Tgt Ion:240 Resp: 48454
Ion Ratio Lower Upper
240 100
120 2.5 3.7 5.5#
236 22.7 19.8 29.8

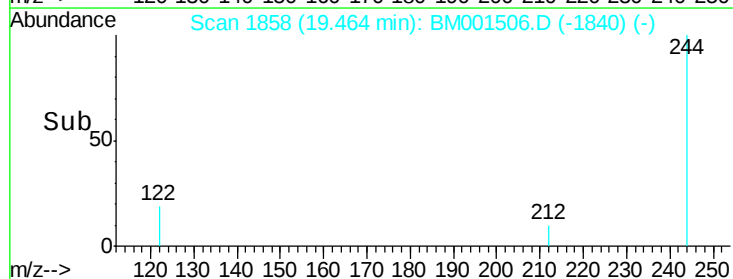
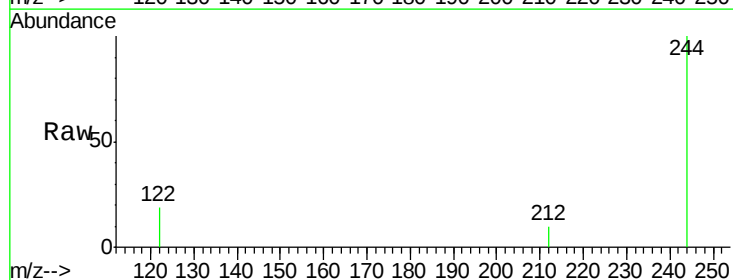
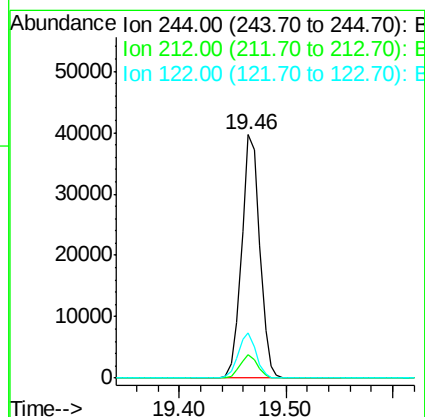
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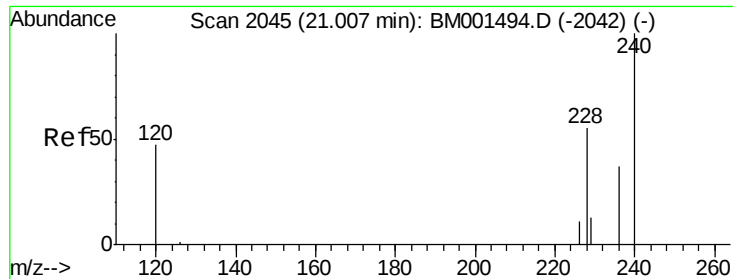
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#18
Terphenyl-d14
Concen: 7.17 ng
RT: 19.46 min Scan# 1858
Delta R.T. -0.00 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07

Tgt Ion:244 Resp: 46478
Ion Ratio Lower Upper
244 100
212 9.8 8.0 12.0
122 18.7 14.1 21.1





#19

Benzo(a)anthracene

Concen: 7.22 ng

RT: 21.00 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Instrument :

BNA_M

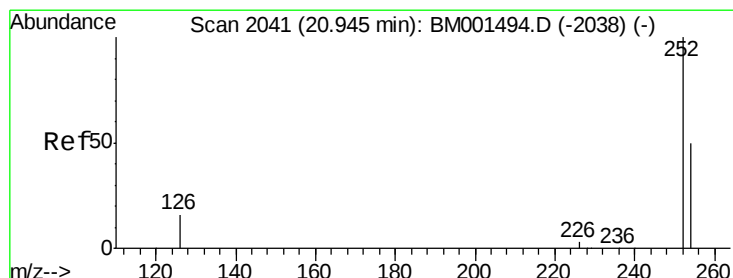
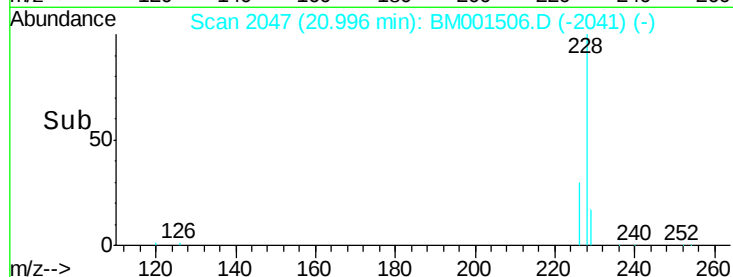
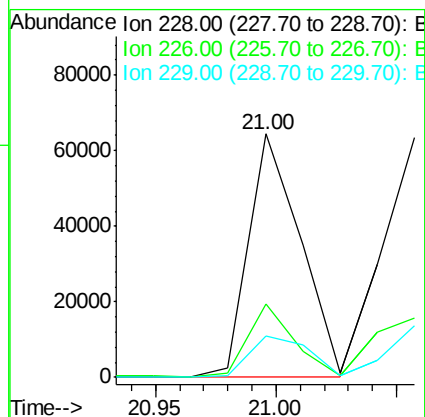
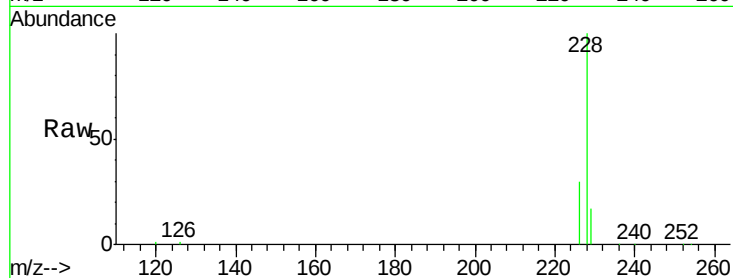
ClientSampleId :

PB83689BS

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Tgt Ion:	228	Resp:	95411
Ion Ratio	Lower	Upper	
228	100		
226	30.0	17.5	26.3#
229	16.9	19.0	28.4#



#20

3,3'-Dichlorobenzidine

Concen: 8.78 ng

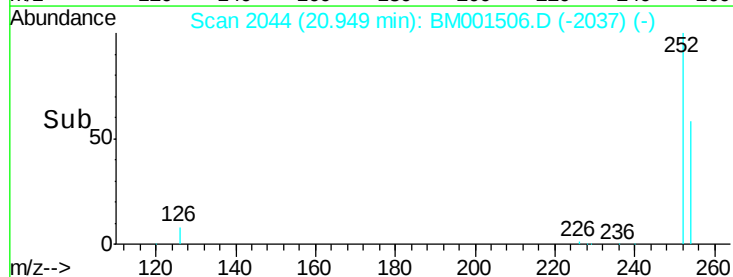
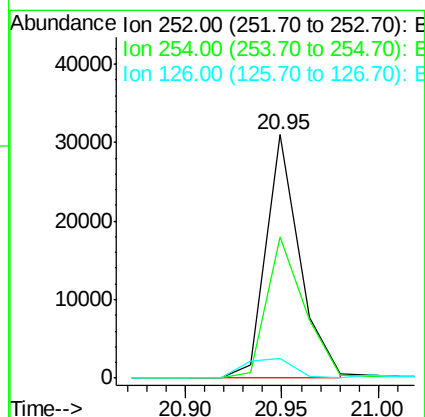
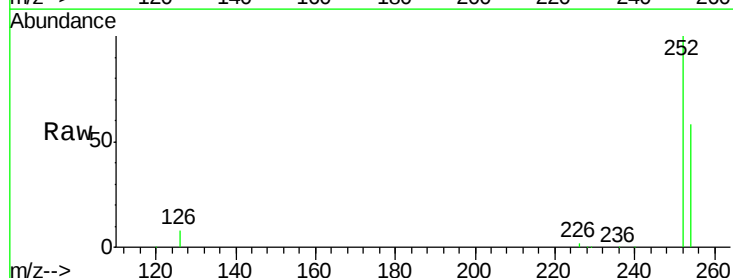
RT: 20.95 min Scan# 2044

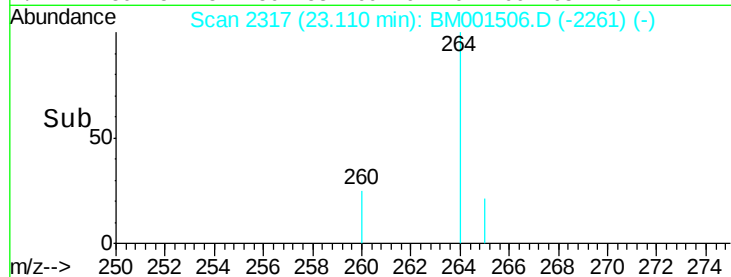
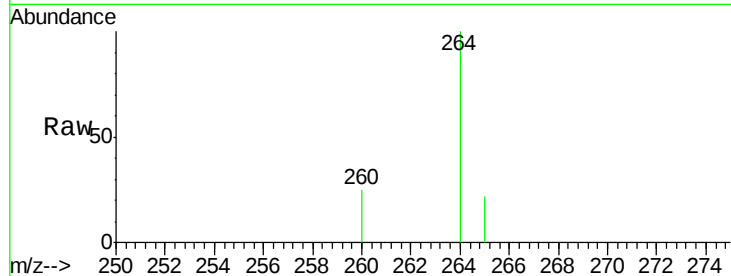
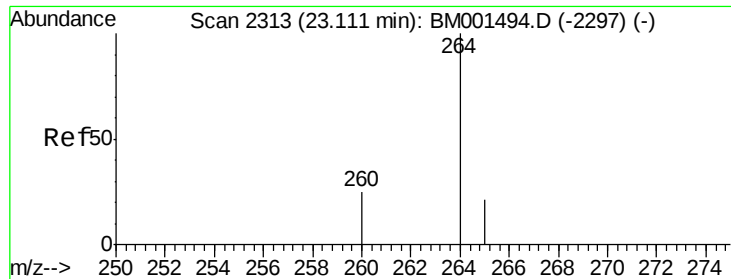
Delta R.T. 0.00 min

Lab File: BM001506.D

Acq: 31 May 2015 11:07

Tgt Ion:	252	Resp:	37897
Ion Ratio	Lower	Upper	
252	100		
254	58.0	41.2	61.8
126	7.9	14.7	22.1#





#21
Perylene-d12
Concen: 5.00 ng
RT: 23.11 min Scan# 2317
Delta R.T. -0.00 min
Lab File: BM001506.D
Acq: 31 May 2015 11:07

Instrument :
BNA_M
ClientSampleId :
PB83689BS

Tgt Ion:	264	Resp:	41270
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.8	29.8
265	21.6	18.0	27.0

Manual Integrations
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