

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000762.D
 Acq On : 31 Mar 2015 20:39
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Quant Time: Apr 01 03:05:45 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 03:53:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	33909	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	118580	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	58715	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	122880	5.00	ng	0.00
19) Chrysene-d12	21.22	240	110719	5.00	ng	0.01
25) Perylene-d12	23.40	264	101421	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	4485	0.75	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	14637	1.03	ng	0.00
21) Terphenyl-d14	19.66	244	10519	0.67	ng	0.00

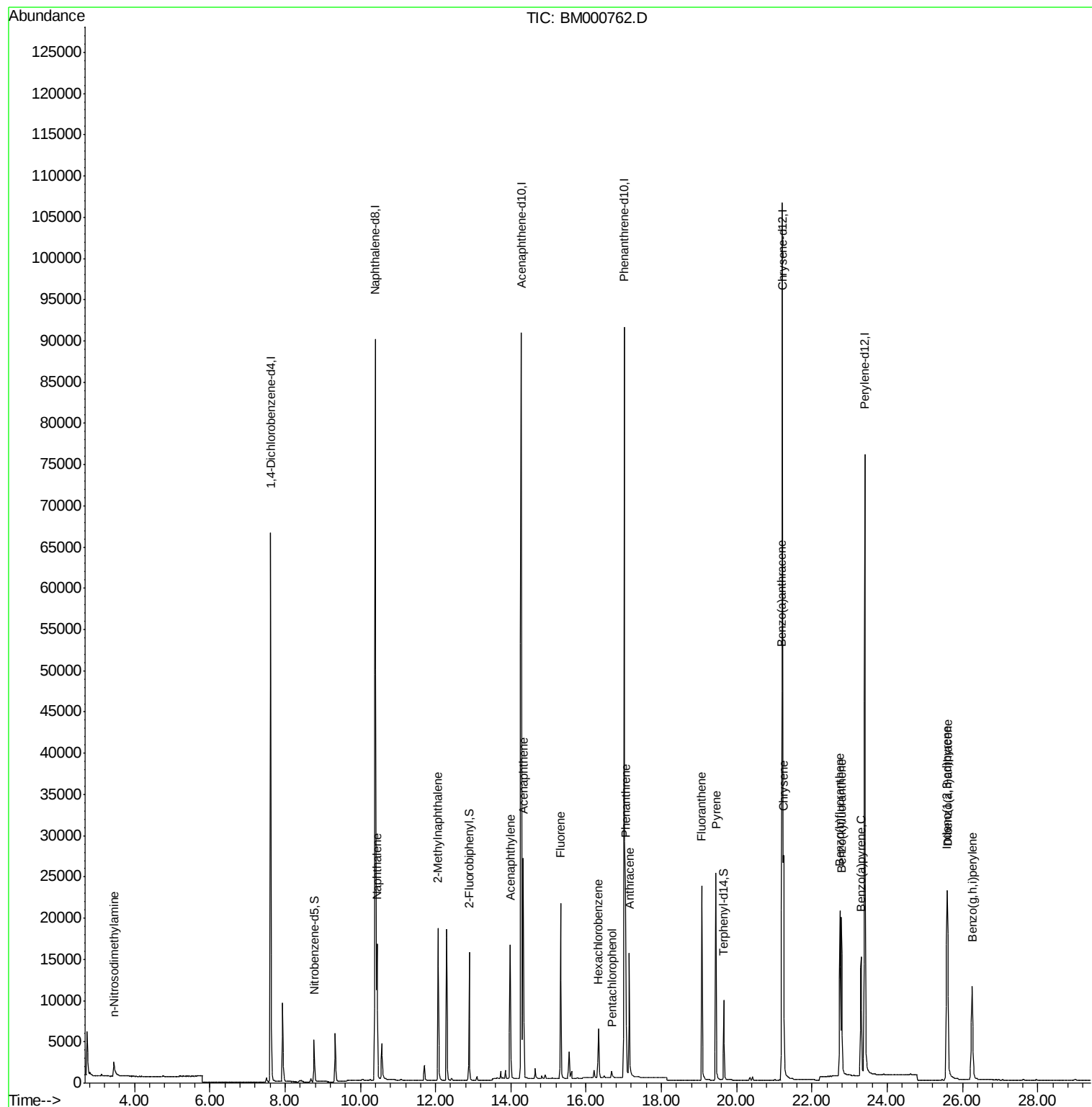
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.45	42	2496	0.52	ng	99
6) Naphthalene	10.45	128	22137	0.93	ng	100
7) 2-Methylnaphthalene	12.07	142	13899	0.93	ng	98
10) Acenaphthylene	13.98	152	19977	0.27	ng	100
11) Acenaphthene	14.33	154	14095	1.08	ng	99
12) Fluorene	15.32	166	16157	1.01	ng	100
14) Hexachlorobenzene	16.33	284	5659	1.37	ng	# 100
15) Pentachlorophenol	16.68	266	842	0.02	ng	99
16) Phenanthrene	17.05	178	26849	1.00	ng	100
17) Anthracene	17.15	178	22373	0.94	ng	99
18) Fluoranthene	19.08	202	26738	1.05	ng	100
20) Pyrene	19.45	202	27872	0.98	ng	100
22) Benzo(a)anthracene	21.20	228	24244	1.11	ng	98
23) Chrysene	21.25	228	27061	1.17	ng	# 89
24) Indeno(1,2,3-cd)pyrene	25.59	276	27459	1.67	ng	100
26) Benzo(b)fluoranthene	22.74	252	24687	1.27	ng	99
27) Benzo(k)fluoranthene	22.79	252	25023	1.09	ng	99
28) Benzo(a)pyrene	23.31	252	21357	1.24	ng	99
29) Dibenzo(a,h)anthracene	25.60	278	21432	1.65	ng	99
30) Benzo(g,h,i)perylene	26.26	276	23149	1.40	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 920

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.8

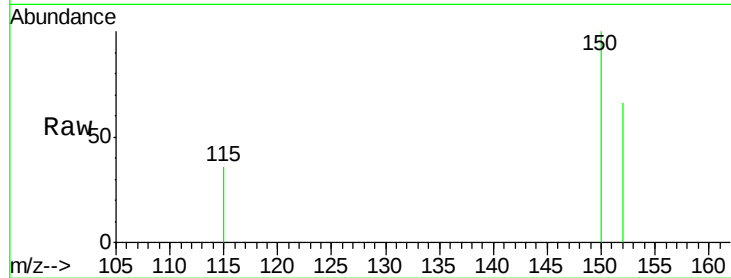
Tgt Ion:152 Resp: 33909

Ion Ratio Lower Upper

152 100

150 151.3 120.8 181.2

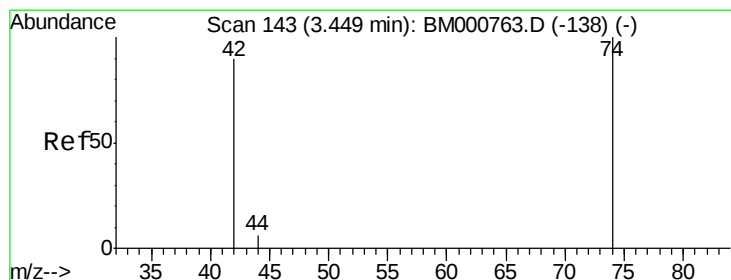
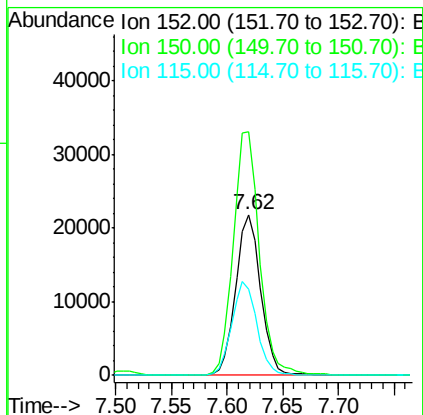
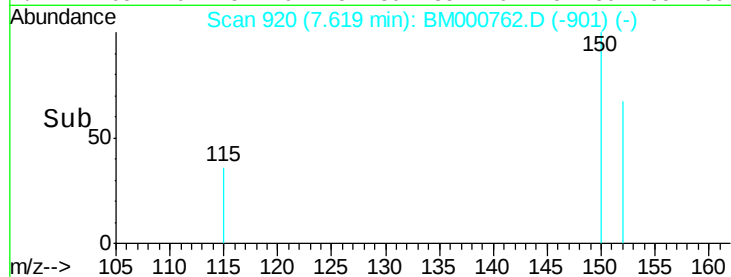
115 53.9 42.7 64.1



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



#3

n-Nitrosodimethylamine

Concen: 0.52 ng

RT: 3.45 min Scan# 143

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

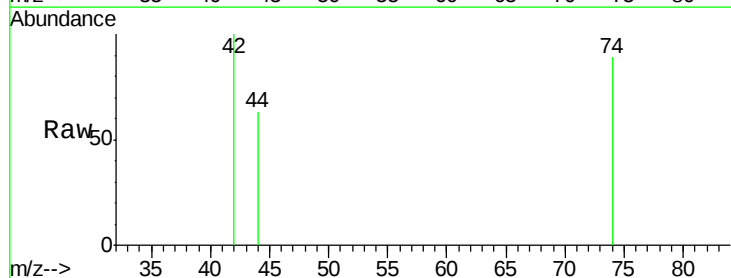
Tgt Ion: 42 Resp: 2496

Ion Ratio Lower Upper

42 100

74 117.7 93.6 140.4

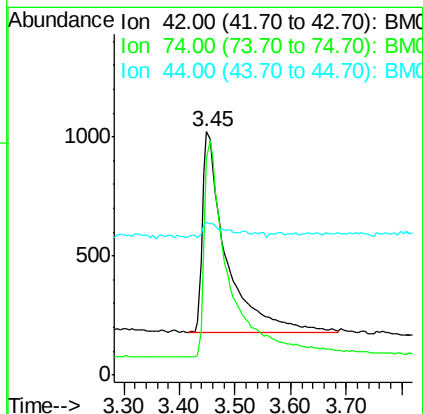
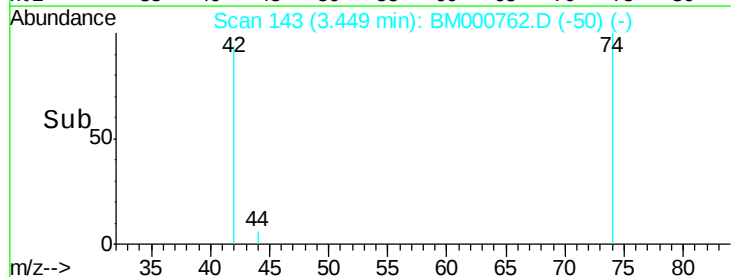
44 6.7 6.3 9.5



Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.40 min Scan# 1359

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.8

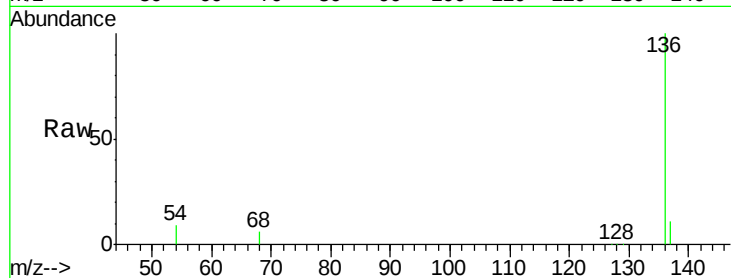
Tgt Ion: 136 Resp: 118580

Ion Ratio Lower Upper

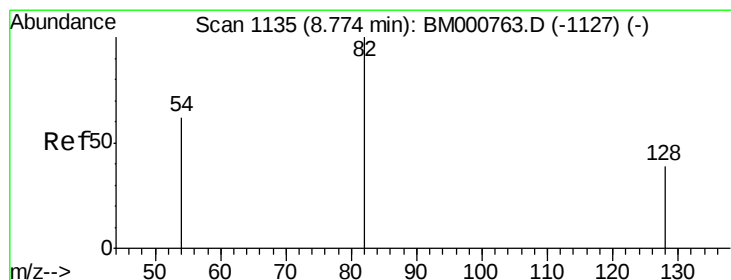
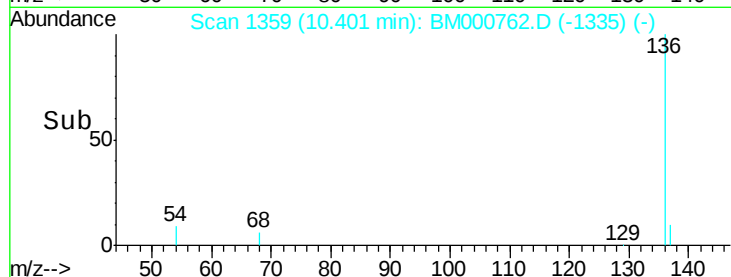
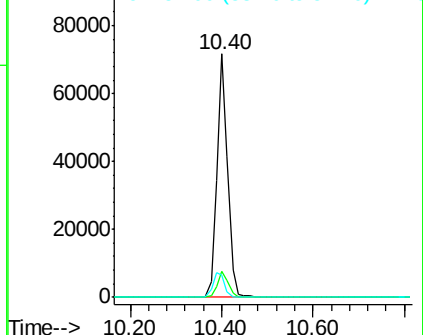
136 100

137 10.5 8.6 12.8

54 9.0 7.0 10.6



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): BM



#5

Nitrobenzene-d5

Concen: 0.75 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

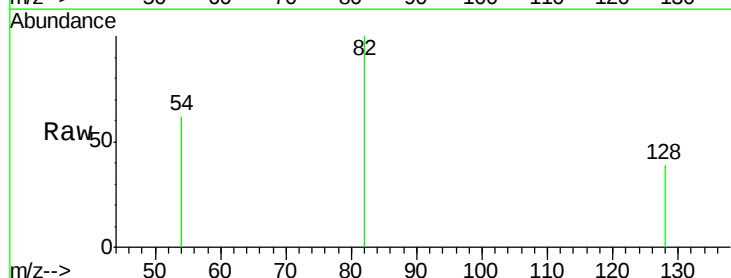
Tgt Ion: 82 Resp: 4485

Ion Ratio Lower Upper

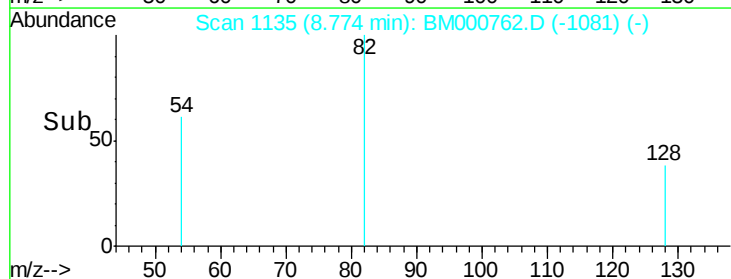
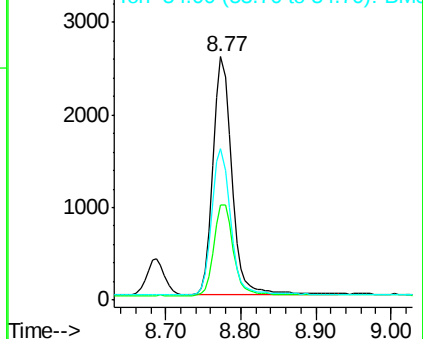
82 100

128 38.9 32.2 48.2

54 62.2 50.2 75.4



Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM





#6

Naphthalene

Concen: 0.93 ng

RT: 10.45 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.8

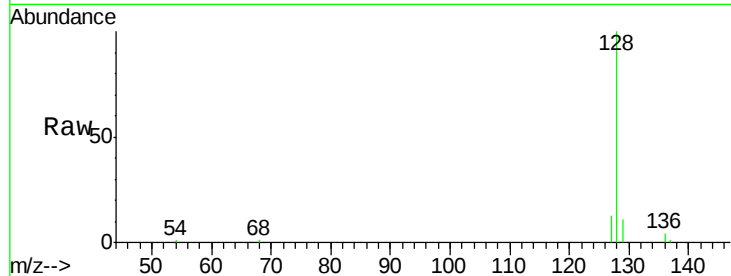
Tgt Ion:128 Resp: 22137

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

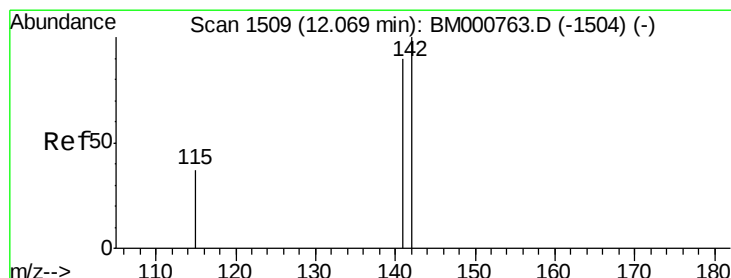
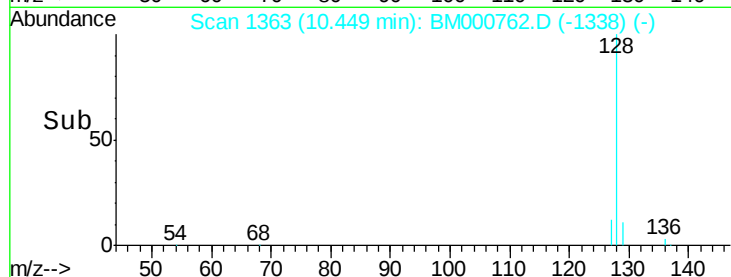
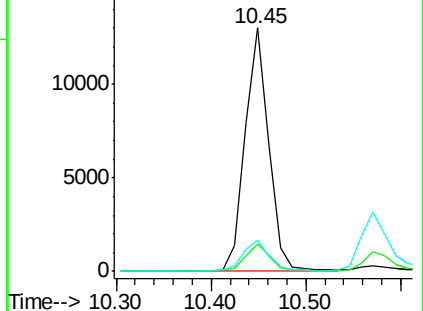
127 12.7 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.93 ng

RT: 12.07 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

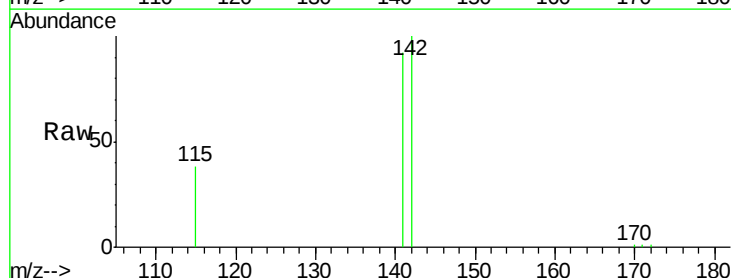
Tgt Ion:142 Resp: 13899

Ion Ratio Lower Upper

142 100

141 92.2 72.3 108.5

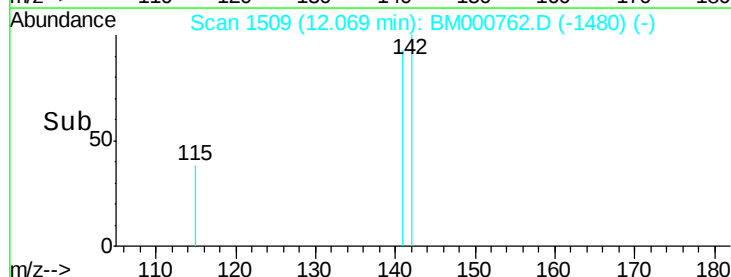
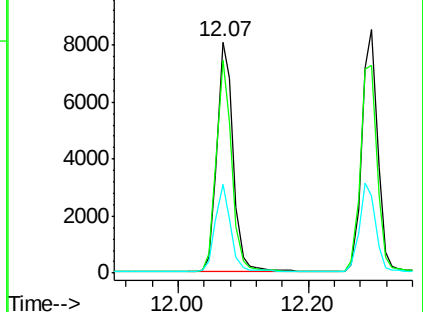
115 38.1 29.5 44.3

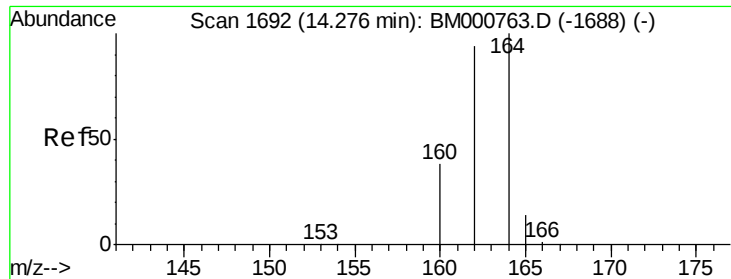


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.28 min Scan# 1692

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.8

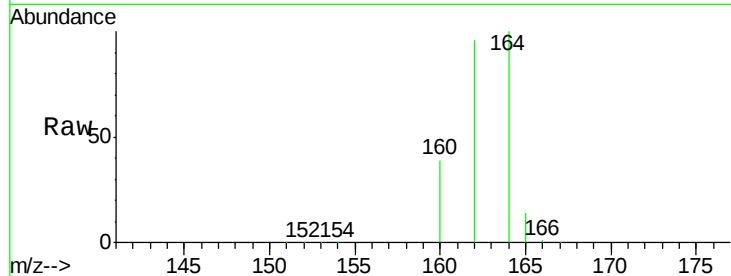
Tgt Ion:164 Resp: 58715

Ion Ratio Lower Upper

164 100

162 95.8 75.4 113.2

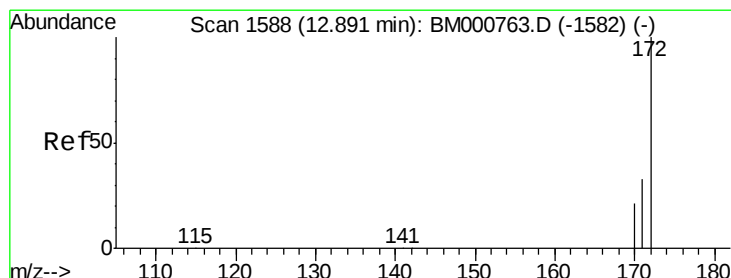
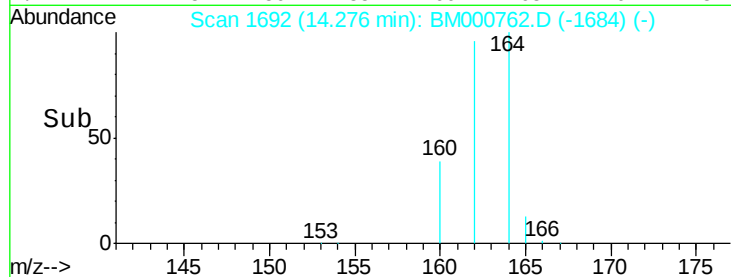
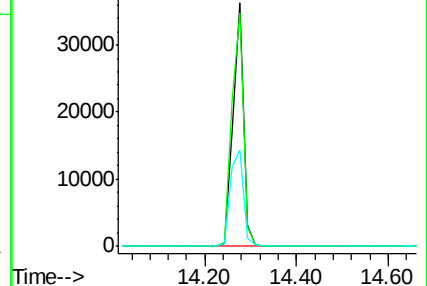
160 39.4 30.8 46.2



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



#9

2-Fluorobiphenyl

Concen: 1.03 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

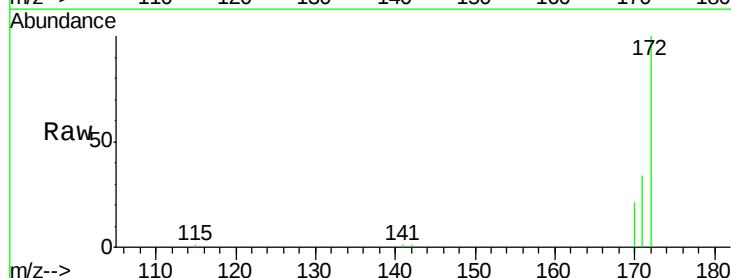
Tgt Ion:172 Resp: 14637

Ion Ratio Lower Upper

172 100

171 33.6 26.6 39.8

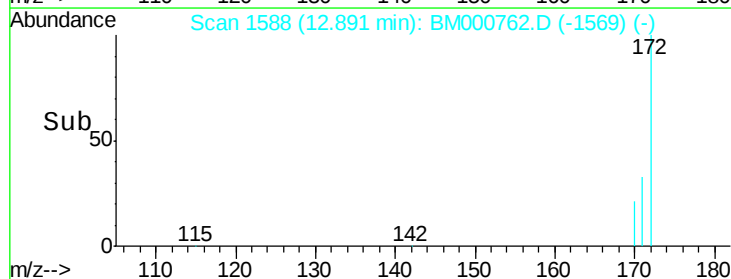
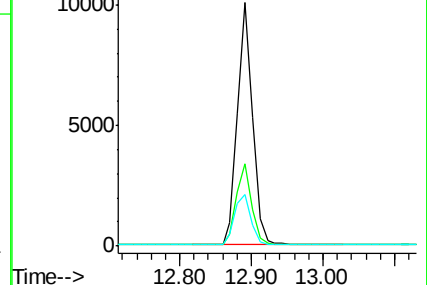
170 21.2 17.1 25.7



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





#10

Acenaphthylene

Concen: 0.27 ng

RT: 13.98 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.8

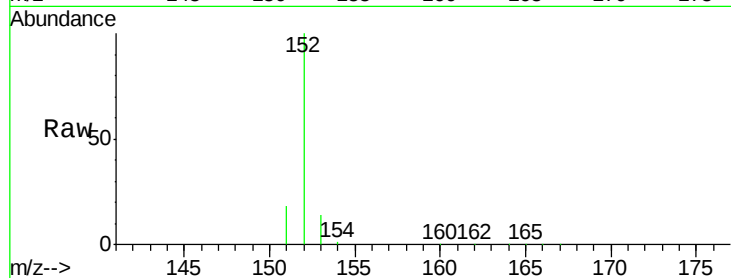
Tgt Ion:152 Resp: 19977

Ion Ratio Lower Upper

152 100

151 18.8 15.1 22.7

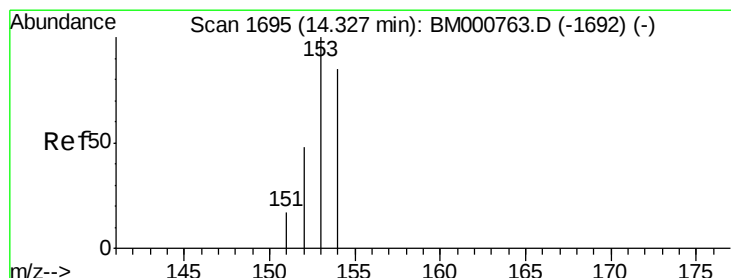
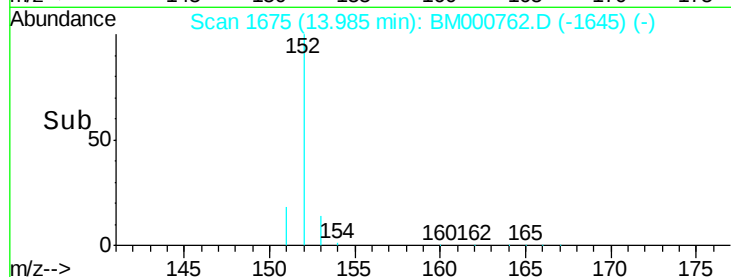
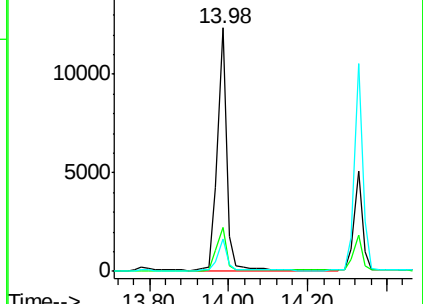
153 12.7 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#11

Acenaphthene

Concen: 1.08 ng

RT: 14.33 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

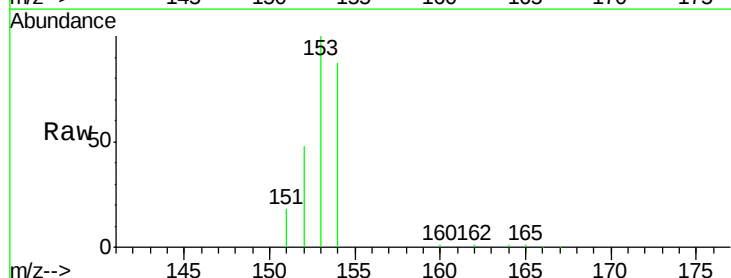
Tgt Ion:154 Resp: 14095

Ion Ratio Lower Upper

154 100

153 108.4 87.3 130.9

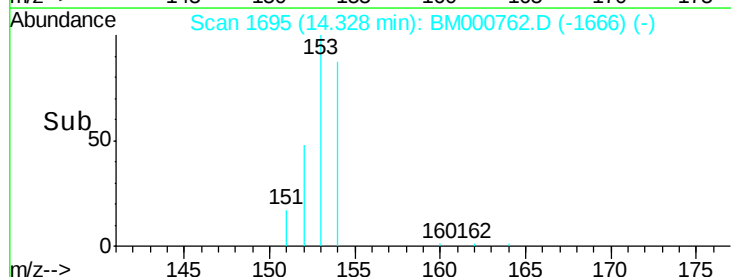
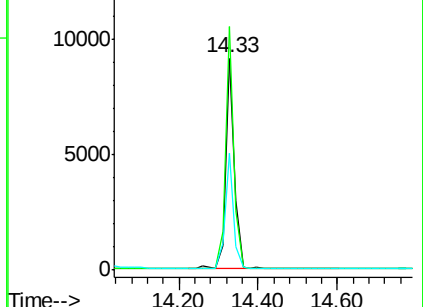
152 53.1 43.0 64.6

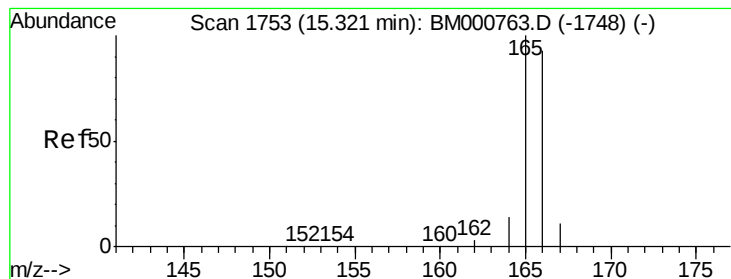


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#12

Fluorene

Concen: 1.01 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.8

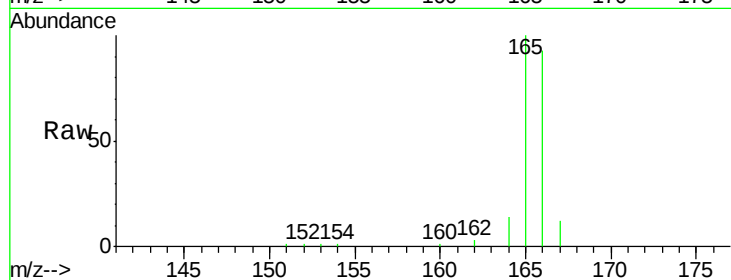
Tgt Ion:166 Resp: 16157

Ion Ratio Lower Upper

166 100

165 97.7 78.2 117.2

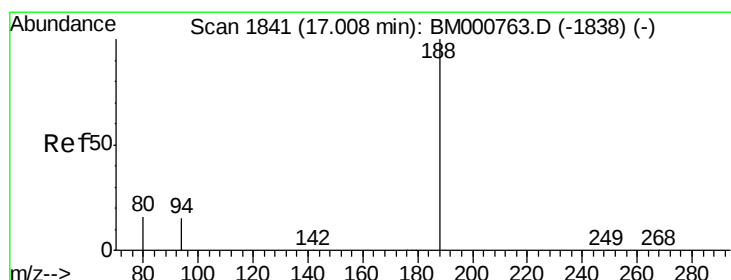
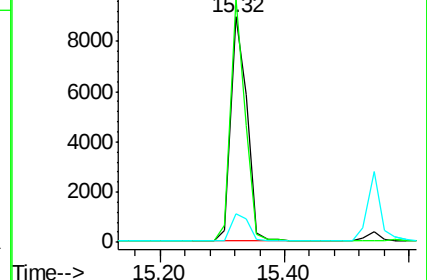
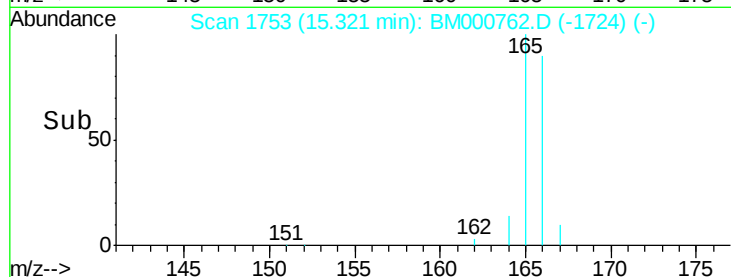
167 13.5 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

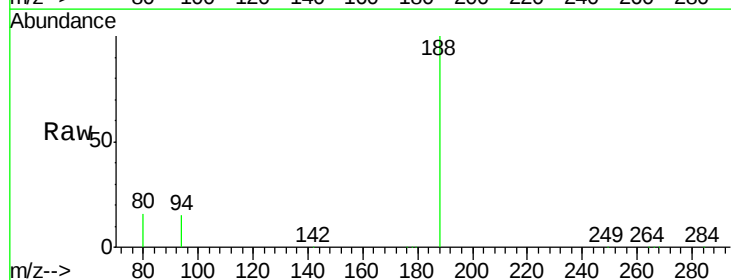
Tgt Ion:188 Resp: 122880

Ion Ratio Lower Upper

188 100

94 15.3 12.0 18.0

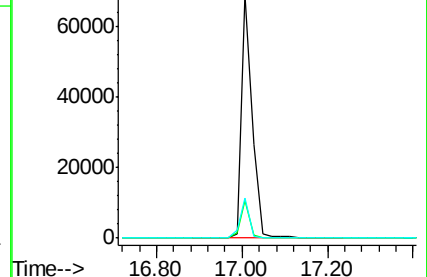
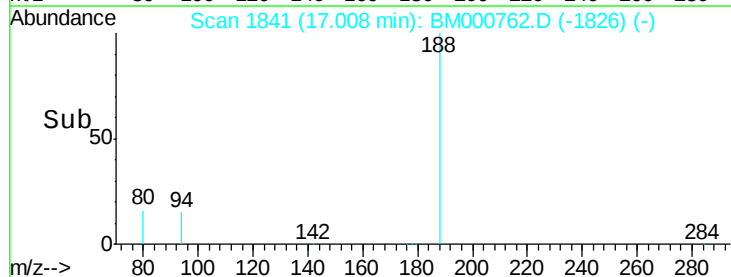
80 16.4 12.8 19.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

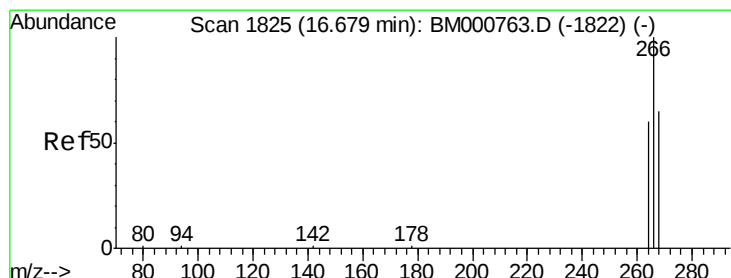
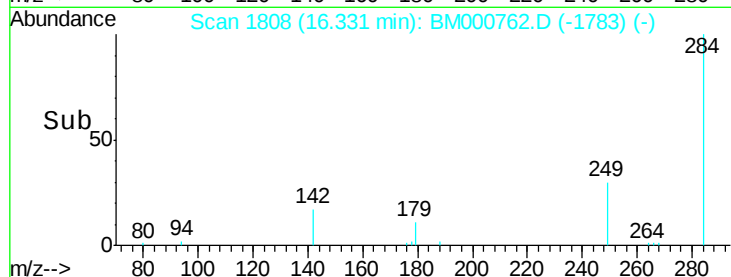
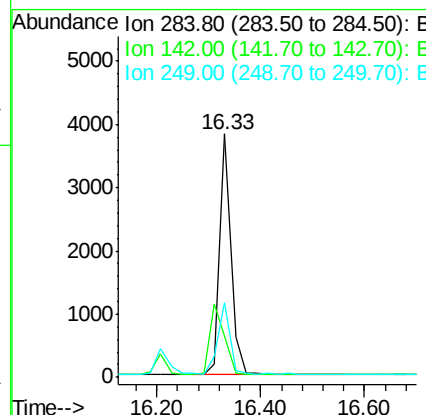
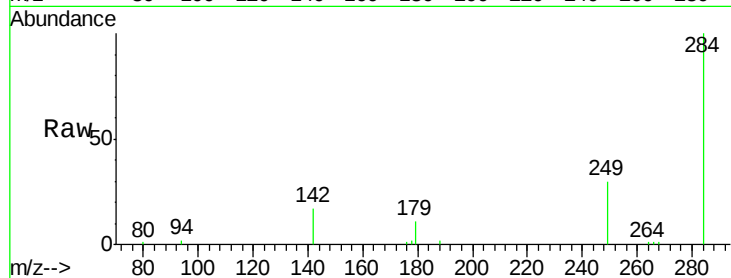




#14
Hexachlorobenzene
Concen: 1.37 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000762.D
Acq: 31 Mar 2015 20:39

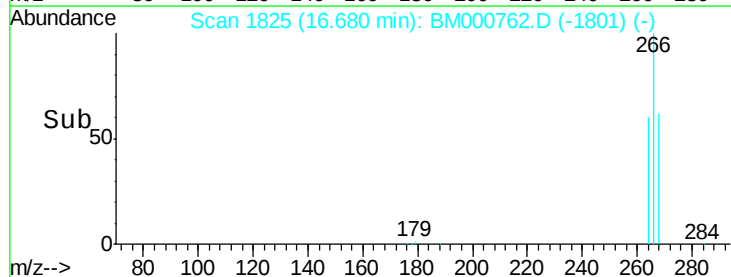
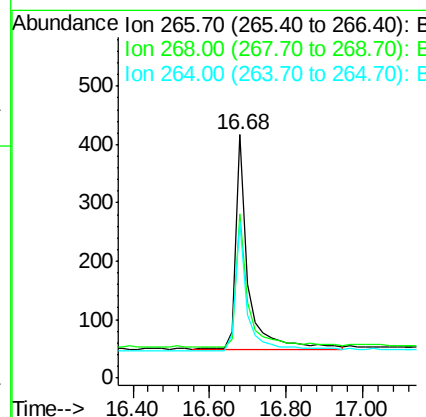
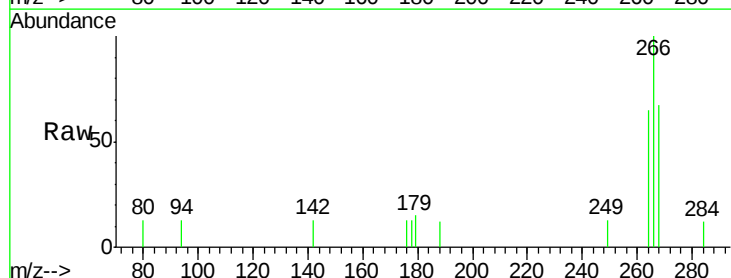
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.8

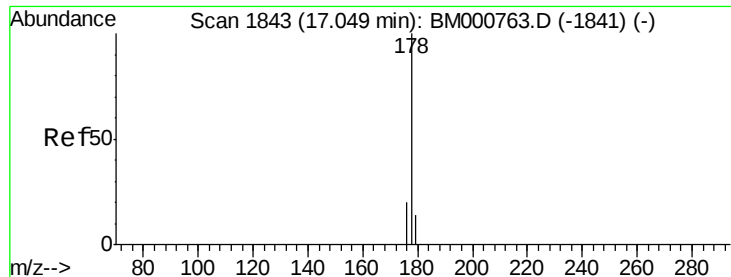
Tgt Ion:284 Resp: 5659
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 31.5 25.2 37.8



#15
Pentachlorophenol
Concen: 0.02 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM000762.D
Acq: 31 Mar 2015 20:39

Tgt Ion:266 Resp: 842
Ion Ratio Lower Upper
266 100
268 67.4 55.0 82.6
264 64.5 51.0 76.4





#16

Phenanthrene

Concen: 1.00 ng

RT: 17.05 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.8

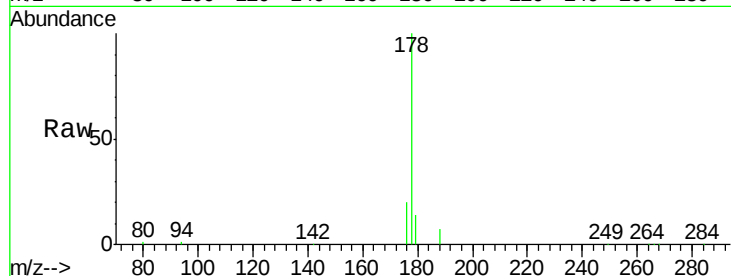
Tgt Ion:178 Resp: 26849

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

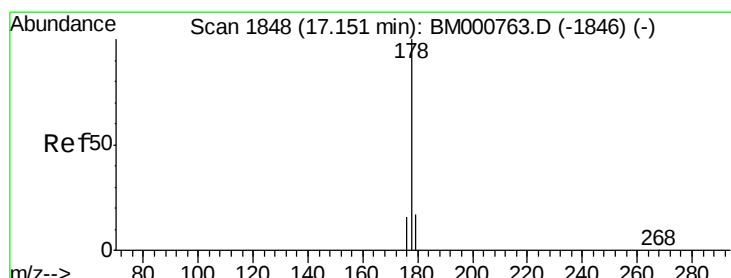
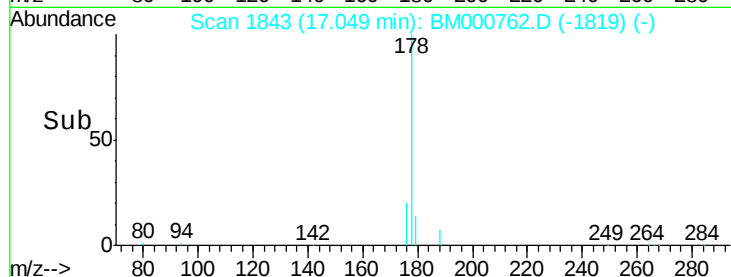
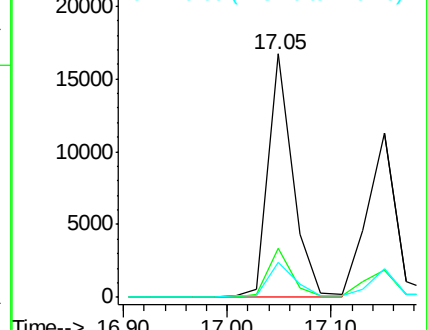
179 15.4 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#17

Anthracene

Concen: 0.94 ng

RT: 17.15 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

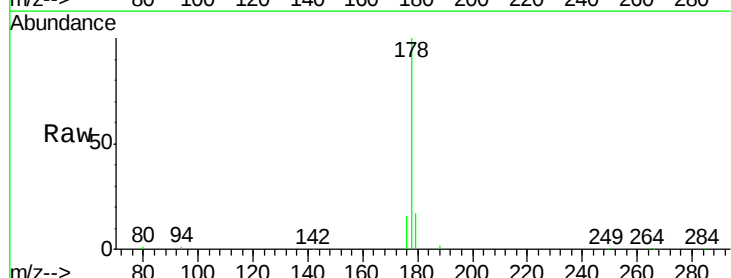
Tgt Ion:178 Resp: 22373

Ion Ratio Lower Upper

178 100

176 17.8 14.6 22.0

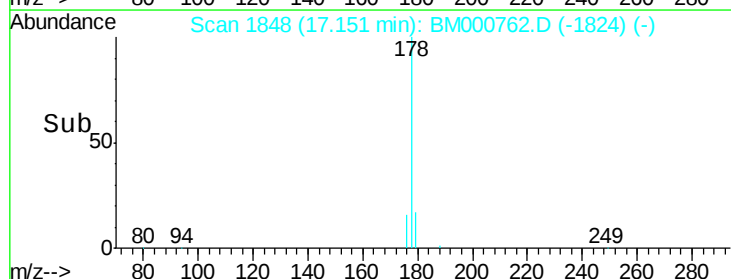
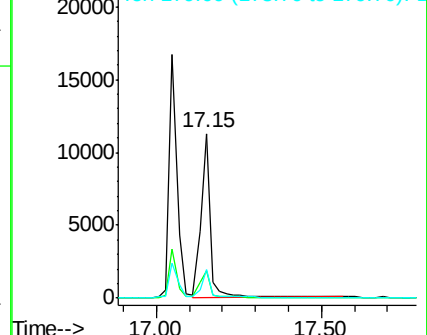
179 15.4 12.2 18.4

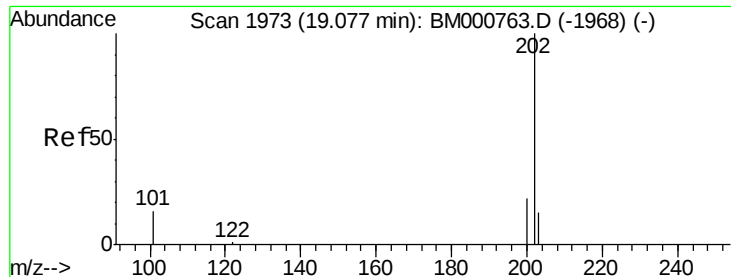


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

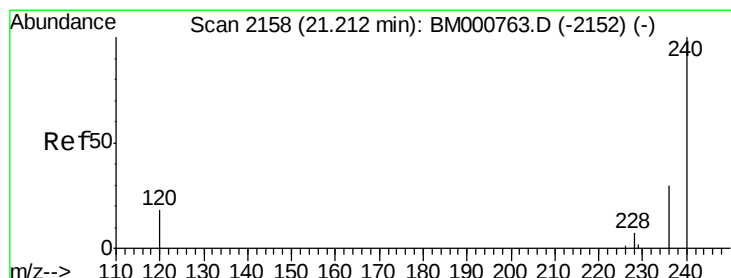
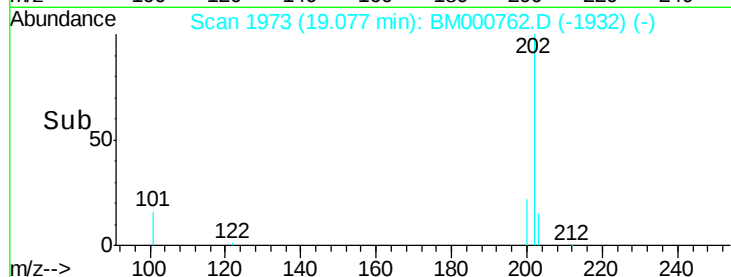
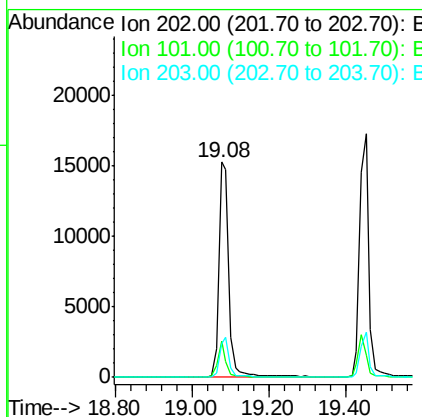
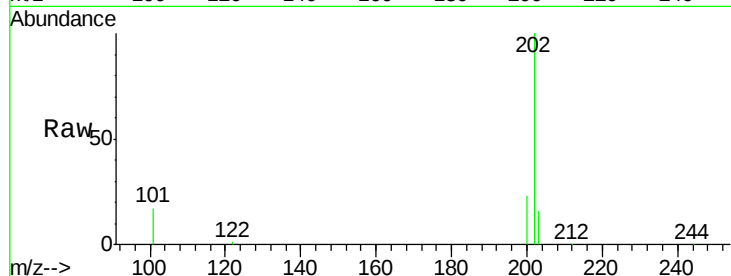




#18
 Fluoranthene
 Concen: 1.05 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BM000762.D
 Acq: 31 Mar 2015 20:39

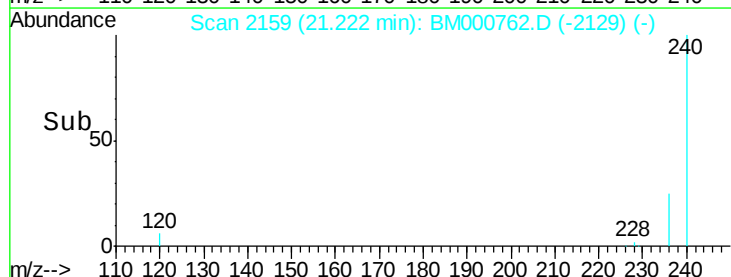
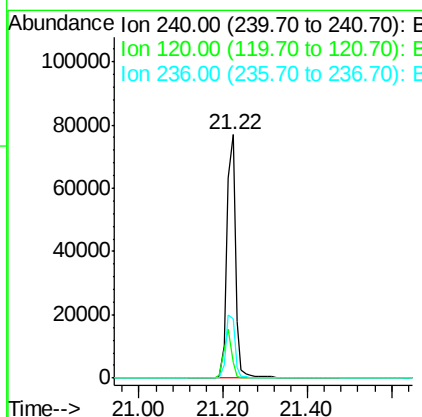
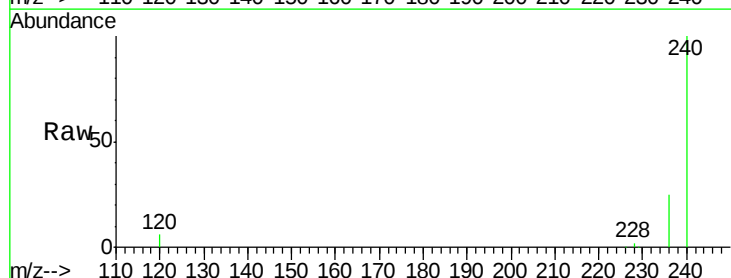
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

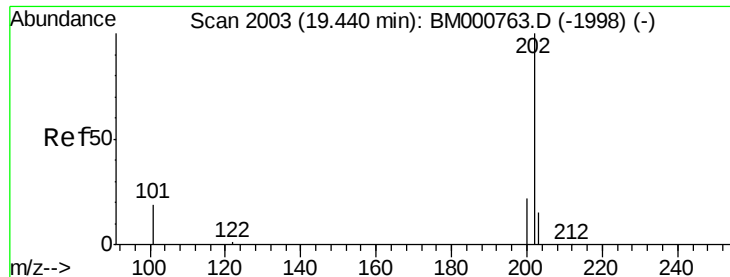
Tgt Ion: 202 Resp: 26738
 Ion Ratio Lower Upper
 202 100
 101 13.0 10.5 15.7
 203 17.4 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.22 min Scan# 2159
 Delta R.T. 0.01 min
 Lab File: BM000762.D
 Acq: 31 Mar 2015 20:39

Tgt Ion: 240 Resp: 110719
 Ion Ratio Lower Upper
 240 100
 120 6.5 14.9 22.3#
 236 24.6 24.2 36.4

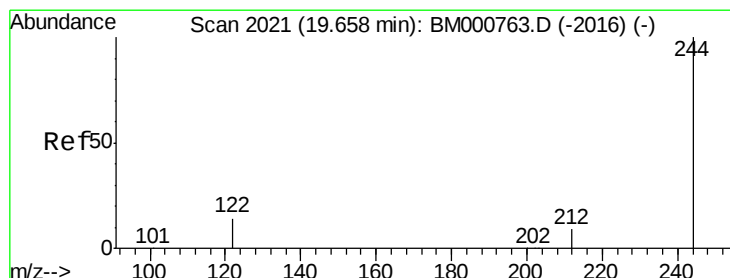
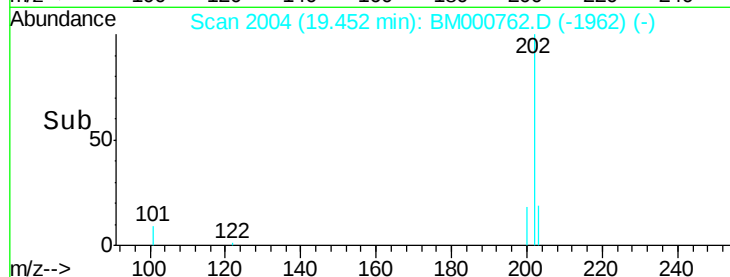
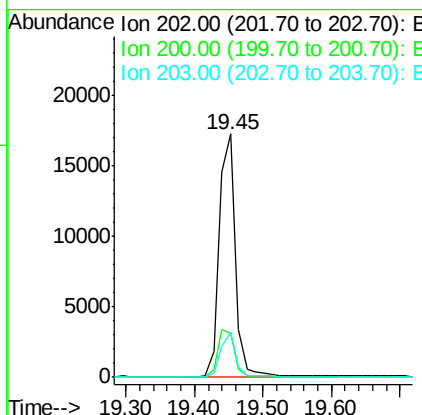
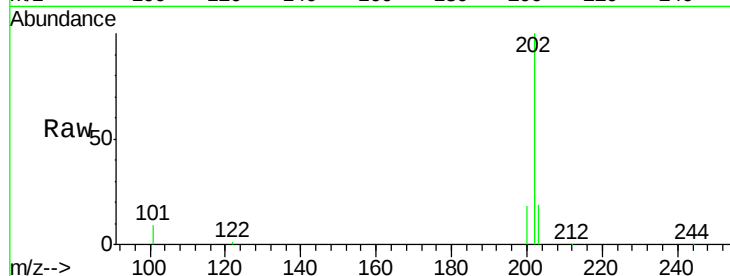




#20
 Pyrene
 Concen: 0.98 ng
 RT: 19.45 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BM000762.D
 Acq: 31 Mar 2015 20:39

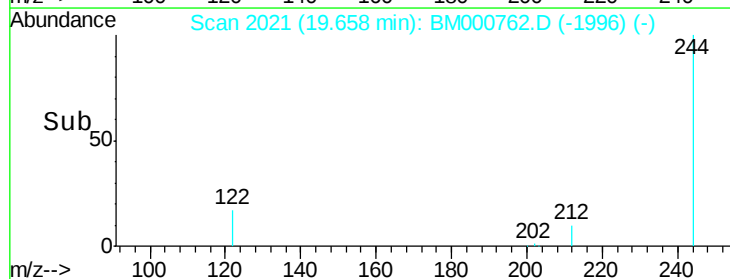
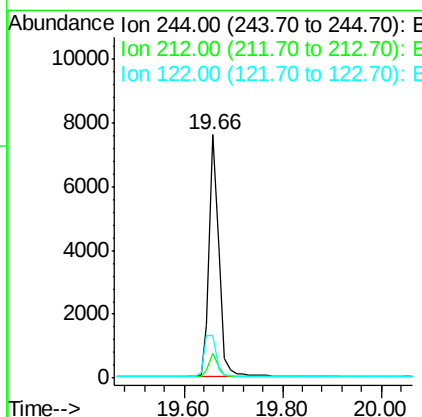
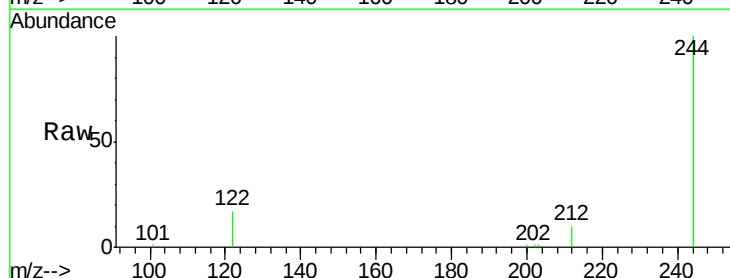
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Tgt Ion: 202 Resp: 27872
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.2 24.2
 203 17.4 13.9 20.9



#21
 Terphenyl-d14
 Concen: 0.67 ng
 RT: 19.66 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BM000762.D
 Acq: 31 Mar 2015 20:39

Tgt Ion: 244 Resp: 10519
 Ion Ratio Lower Upper
 244 100
 212 10.1 7.8 11.6
 122 17.5 11.8 17.8





#22

Benzo(a)anthracene

Concen: 1.11 ng

RT: 21.20 min Scan# 2157

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.8

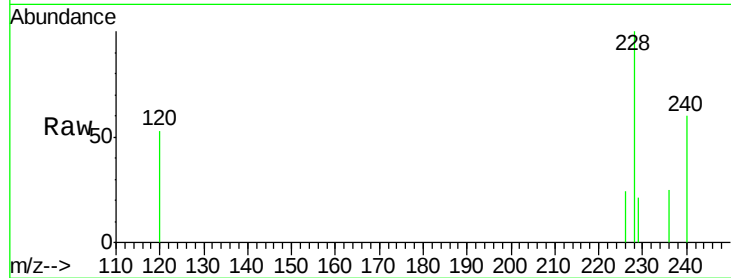
Tgt Ion:228 Resp: 24244

Ion Ratio Lower Upper

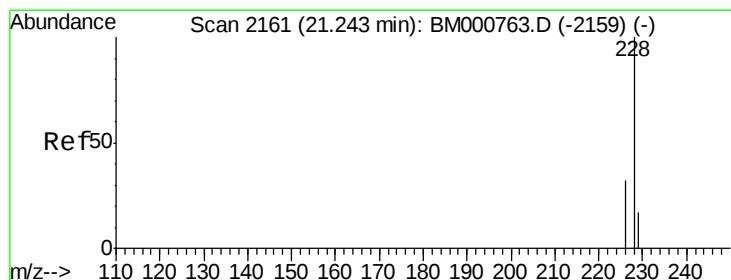
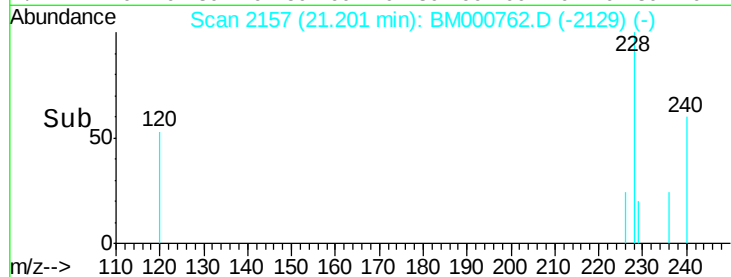
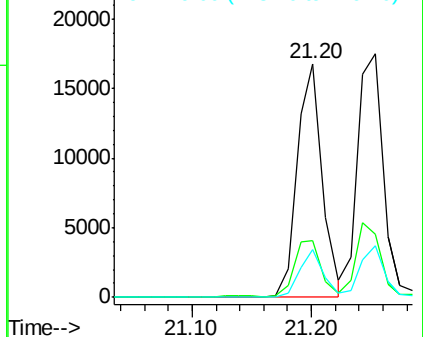
228 100

226 24.5 18.6 27.8

229 20.6 17.2 25.8



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



#23

Chrysene

Concen: 1.17 ng

RT: 21.25 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

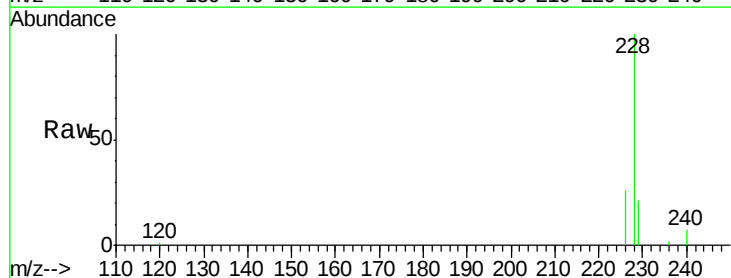
Tgt Ion:228 Resp: 27061

Ion Ratio Lower Upper

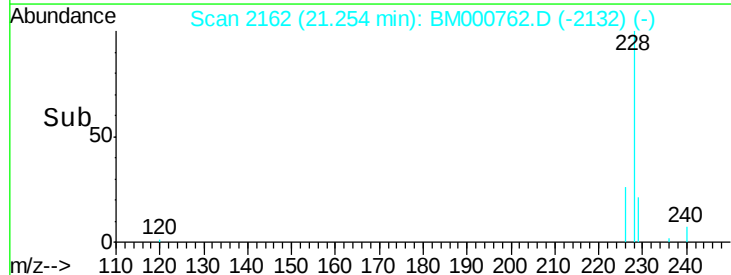
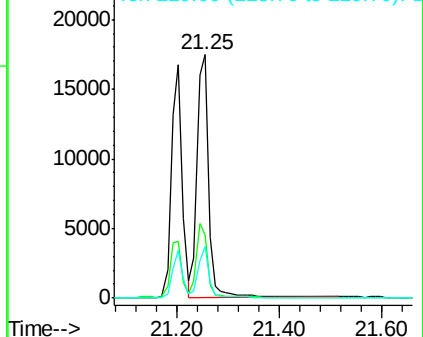
228 100

226 25.7 25.8 38.8#

229 21.1 13.8 20.6#



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

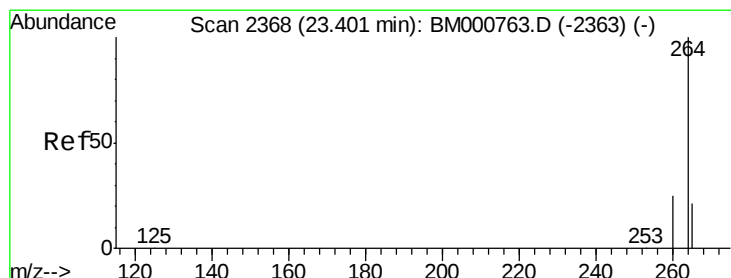
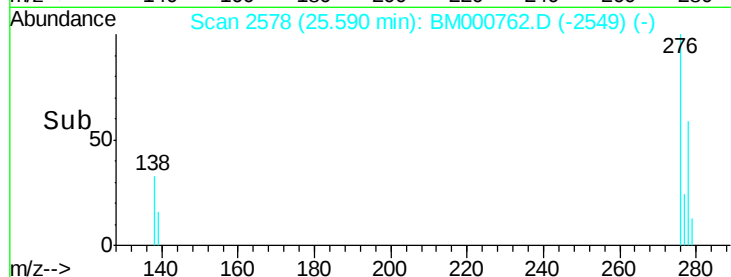
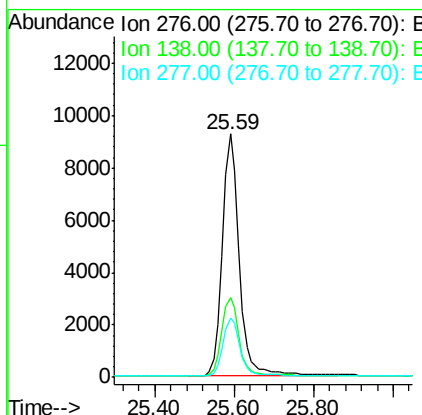
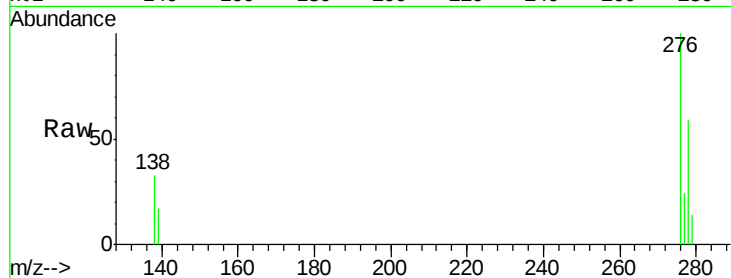




#24
Indeno(1,2,3-cd)pyrene
Concen: 1.67 ng
RT: 25.59 min Scan# 2578
Delta R.T. 0.00 min
Lab File: BM000762.D
Acq: 31 Mar 2015 20:39

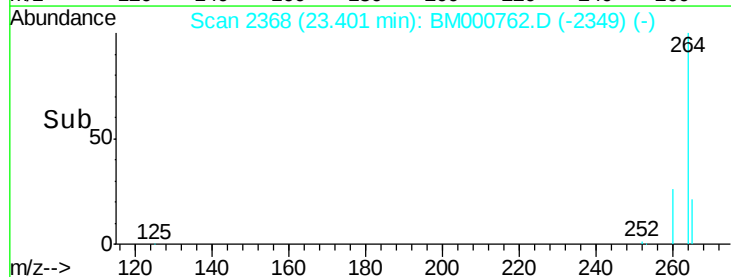
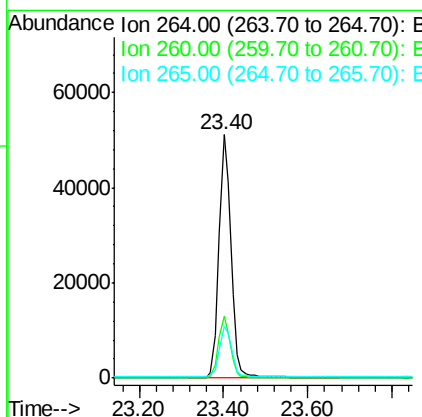
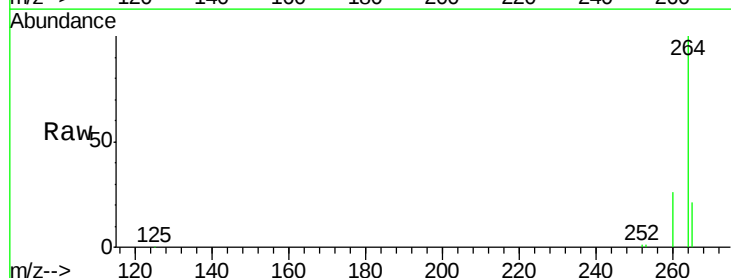
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.8

Tgt Ion: 276 Resp: 27459
Ion Ratio Lower Upper
276 100
138 33.9 27.4 41.2
277 24.5 19.7 29.5



#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. 0.00 min
Lab File: BM000762.D
Acq: 31 Mar 2015 20:39

Tgt Ion: 264 Resp: 101421
Ion Ratio Lower Upper
264 100
260 25.7 20.1 30.1
265 21.3 17.4 26.0

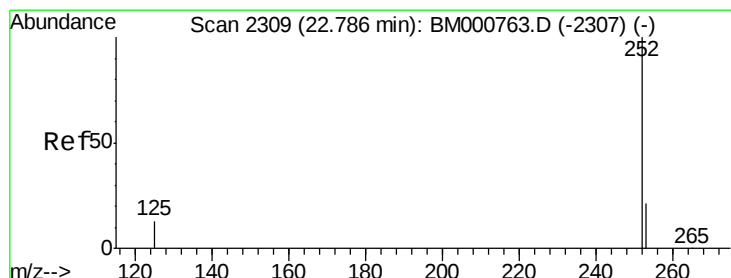
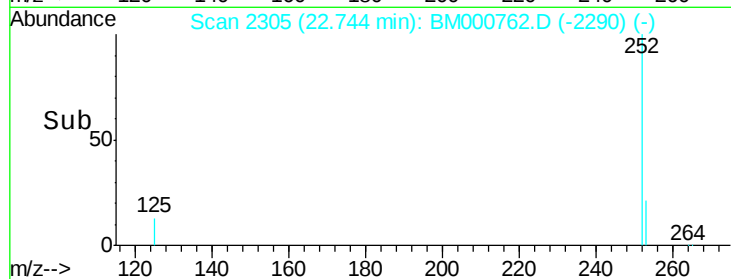
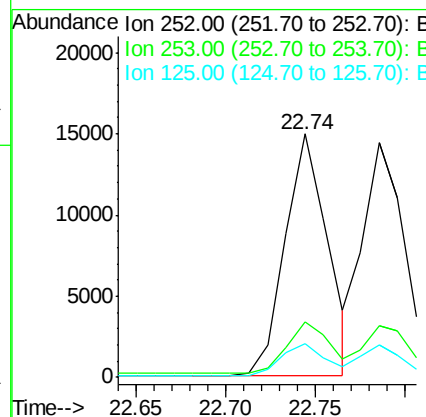
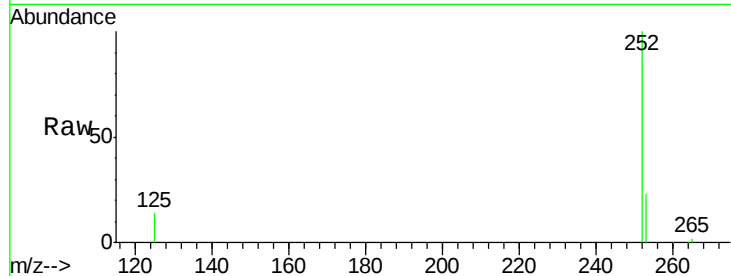




#26
Benzo(b)fluoranthene
Concen: 1.27 ng
RT: 22.74 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BM000762.D
Acq: 31 Mar 2015 20:39

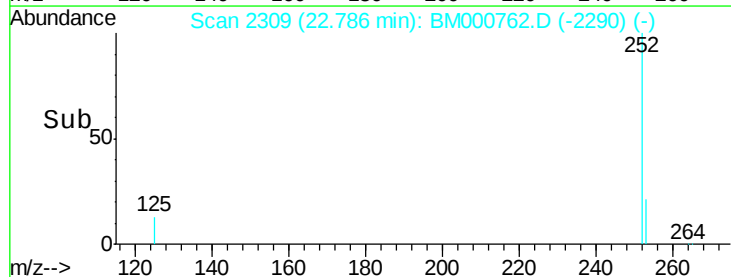
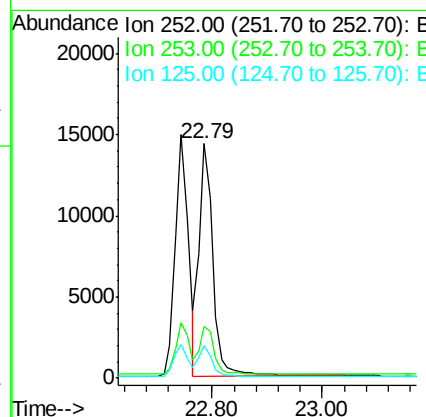
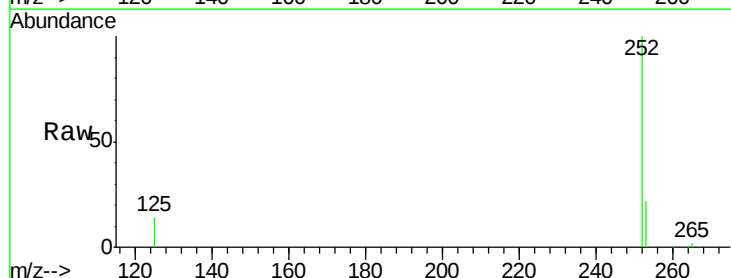
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.8

Tgt Ion:252 Resp: 24687
Ion Ratio Lower Upper
252 100
253 22.6 18.5 27.7
125 14.0 10.6 16.0



#27
Benzo(k)fluoranthene
Concen: 1.09 ng
RT: 22.79 min Scan# 2309
Delta R.T. 0.00 min
Lab File: BM000762.D
Acq: 31 Mar 2015 20:39

Tgt Ion:252 Resp: 25023
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 14.0 10.8 16.2





#28

Benzo(a)pyrene

Concen: 1.24 ng

RT: 23.31 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

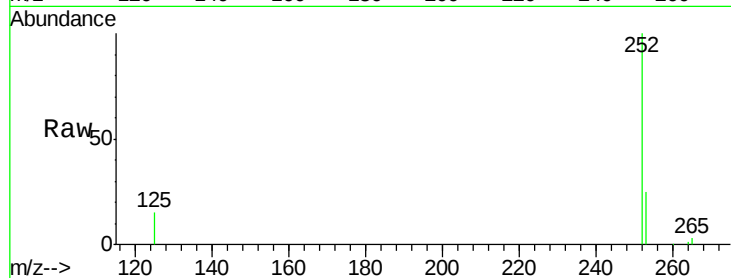
Instrument :

BNA_M

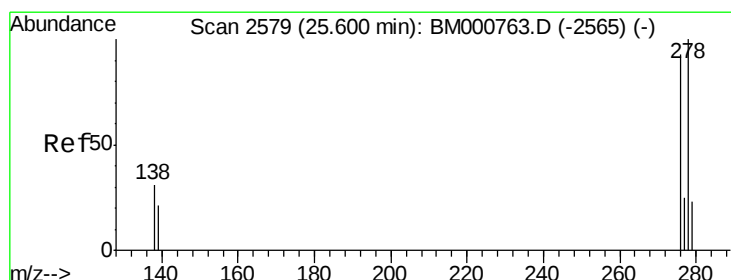
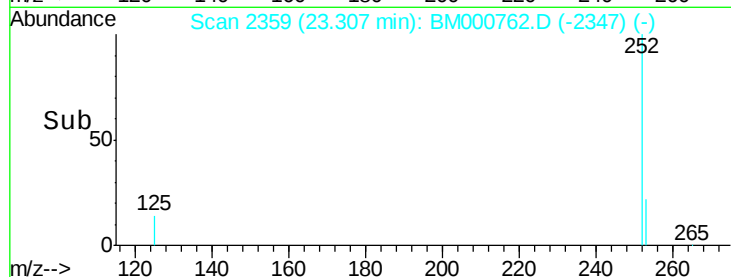
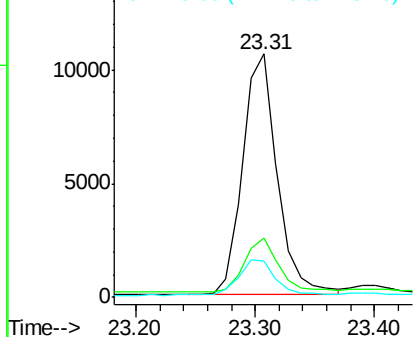
ClientSampled :

SSTDIC0.8

Tgt Ion:	252	Resp:	21357
Ion Ratio	Lower	Upper	
252	100		
253	24.5	19.4	29.2
125	14.8	11.5	17.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#29

Dibenzo(a,h)anthracene

Concen: 1.65 ng

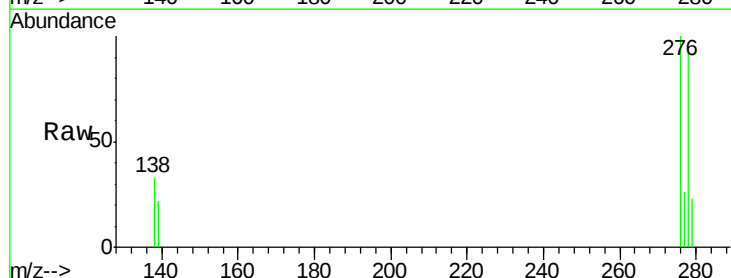
RT: 25.60 min Scan# 2579

Delta R.T. 0.00 min

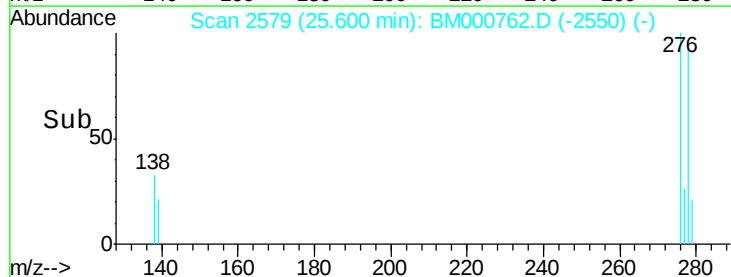
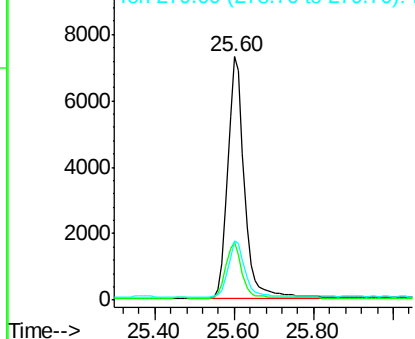
Lab File: BM000762.D

Acq: 31 Mar 2015 20:39

Tgt Ion:	278	Resp:	21432
Ion Ratio	Lower	Upper	
278	100		
139	23.6	17.8	26.6
279	24.2	19.3	28.9



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#30

Benzo(g,h,i)perylene

Concen: 1.40 ng

RT: 26.26 min Scan# 2642

Delta R.T. 0.00 min

Lab File: BM000762.D

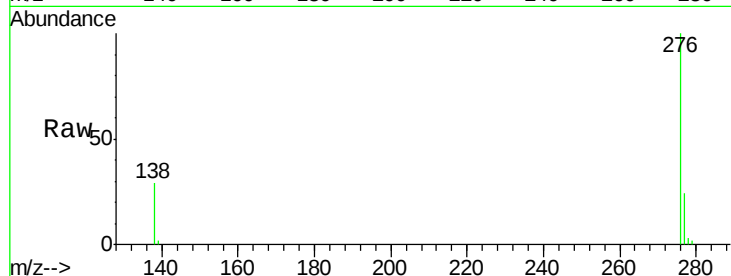
Acq: 31 Mar 2015 20:39

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.8



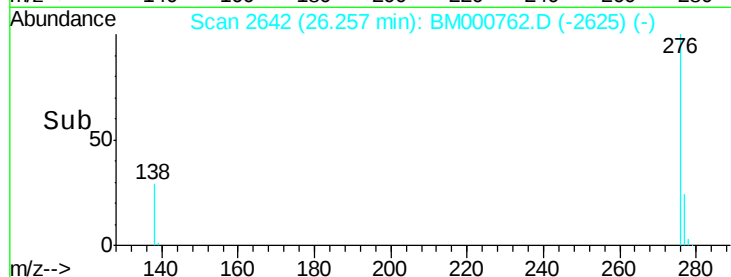
Tgt Ion: 276 Resp: 23149

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 29.2 23.1 34.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

