

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000759.D
 Acq On : 31 Mar 2015 18:52
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1

Quant Time: Apr 01 03:04:44 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	34504	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	120634	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	59147	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	122918	5.00	ng	0.00
19) Chrysene-d12	21.22	240	110296	5.00	ng	0.01
25) Perylene-d12	23.41	264	103979	5.00	ng	0.01

System Monitoring Compounds						
5) Nitrobenzene-d5	8.78	82	523	0.09	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	1865	0.13	ng	0.00
21) Terphenyl-d14	19.66	244	1239	0.08	ng	0.00

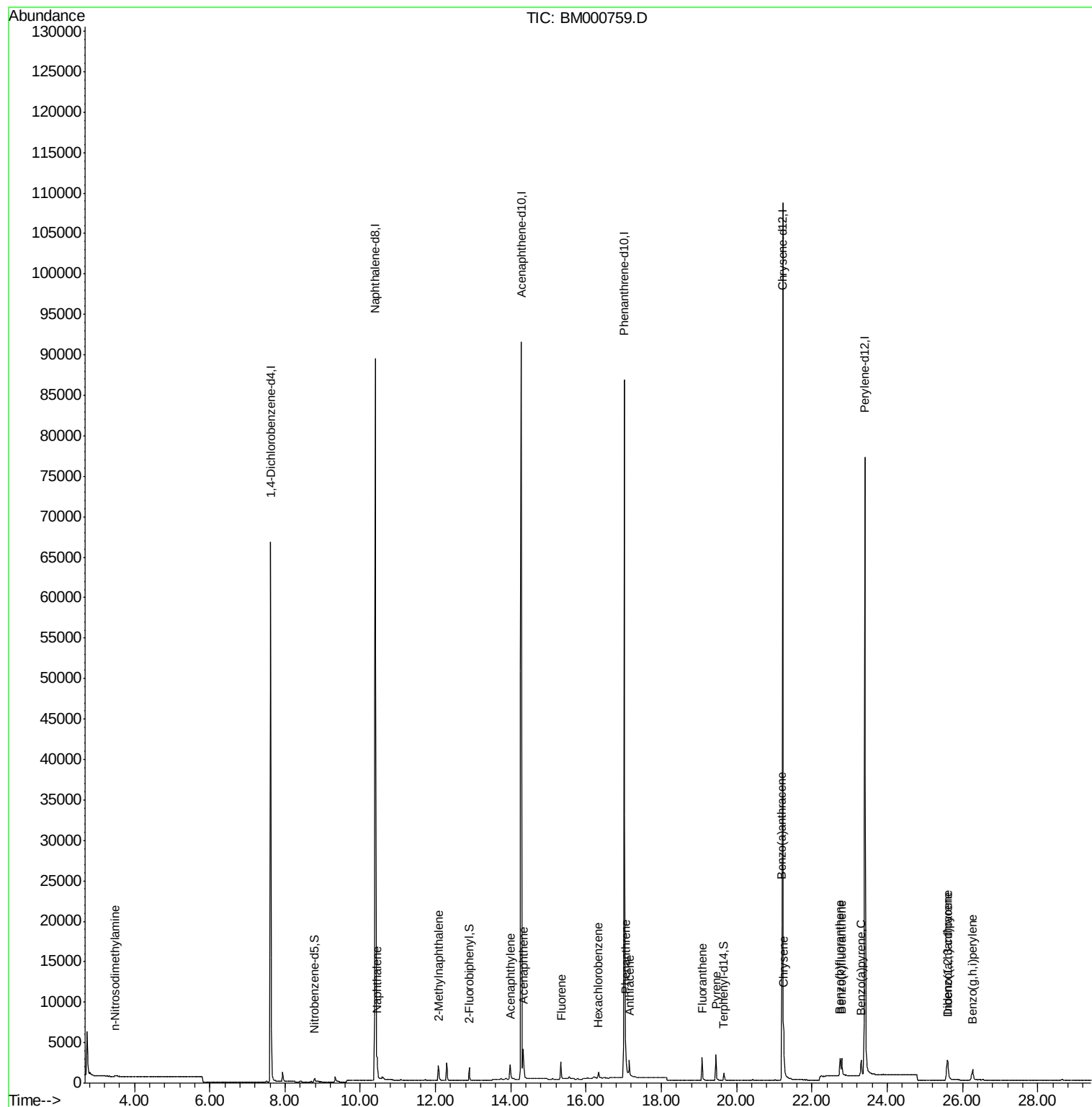
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.47	42	269	0.05	ng	# 99
6) Naphthalene	10.45	128	2782	0.12	ng	# 93
7) 2-Methylnaphthalene	12.08	142	1704	0.11	ng	97
10) Acenaphthylene	13.99	152	2301	0.03	ng	98
11) Acenaphthene	14.33	154	2001	0.15	ng	90
12) Fluorene	15.34	166	1971	0.12	ng	98
14) Hexachlorobenzene	16.33	284	720	0.17	ng	# 99
16) Phenanthrene	17.05	178	3414	0.13	ng	97
17) Anthracene	17.15	178	2808	0.12	ng	98
18) Fluoranthene	19.09	202	3327	0.13	ng	99
20) Pyrene	19.45	202	3454	0.12	ng	99
22) Benzo(a)anthracene	21.20	228	3362	0.15	ng	96
23) Chrysene	21.25	228	3307	0.14	ng	# 92
24) Indeno(1,2,3-cd)pyrene	25.60	276	3411	0.21	ng	99
26) Benzo(b)fluoranthene	22.74	252	3238	0.16	ng	# 78
27) Benzo(k)fluoranthene	22.80	252	2896	0.12	ng	# 78
28) Benzo(a)pyrene	23.31	252	2664	0.15	ng	# 75
29) Dibenzo(a,h)anthracene	25.61	278	2646	0.20	ng	# 84
30) Benzo(g,h,i)perylene	26.27	276	2941	0.17	ng	92

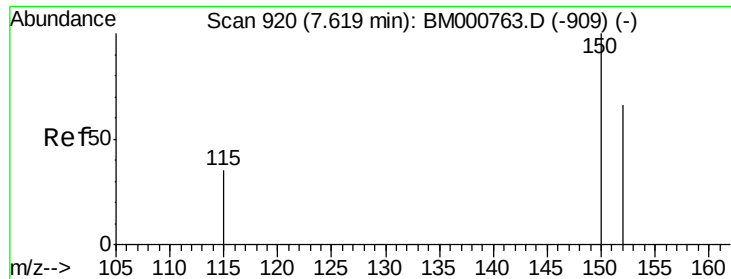
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM000759.D

Acq: 31 Mar 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.1

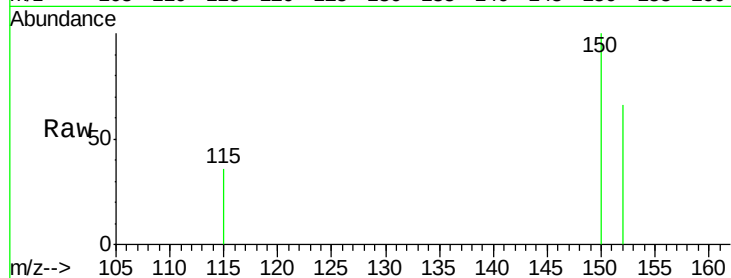
Tgt Ion:152 Resp: 34504

Ion Ratio Lower Upper

152 100

150 150.8 120.8 181.2

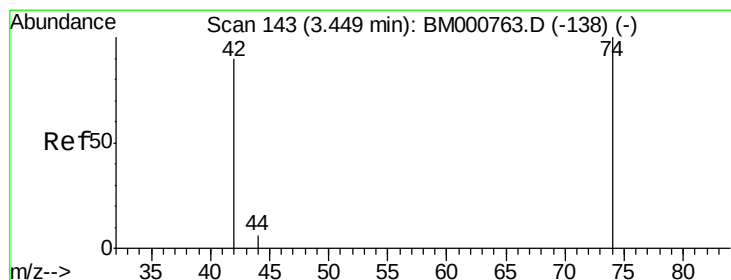
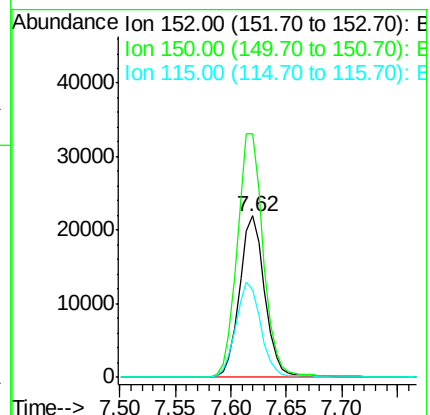
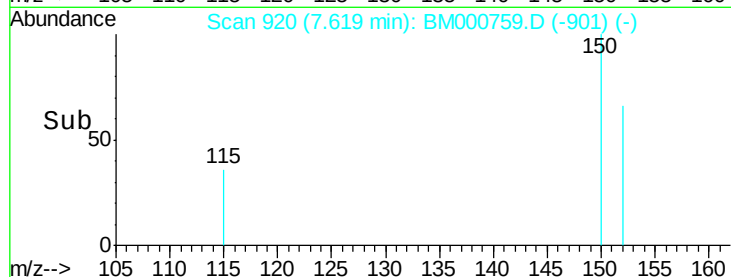
115 54.1 42.7 64.1



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: 0.05 ng

RT: 3.47 min Scan# 147

Delta R.T. 0.02 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

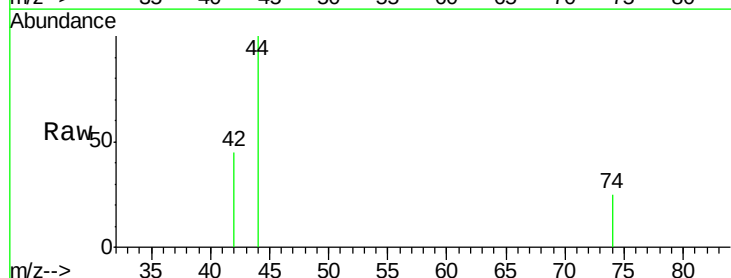
Tgt Ion: 42 Resp: 269

Ion Ratio Lower Upper

42 100

74 117.5 93.6 140.4

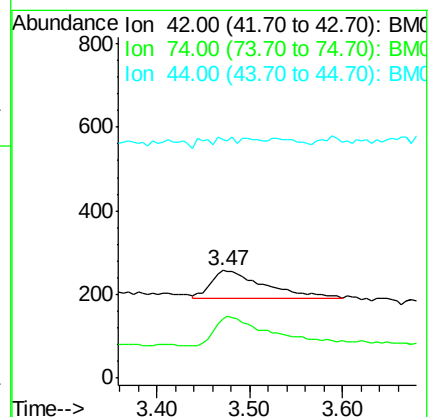
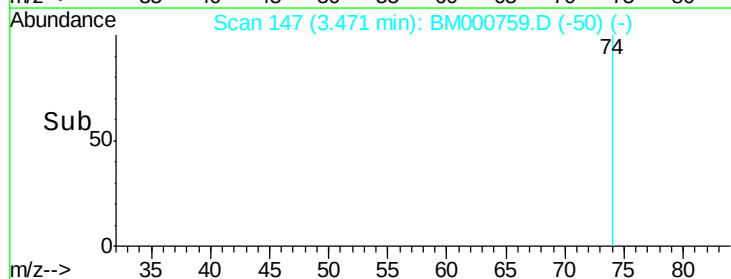
44 4.5 6.3 9.5#

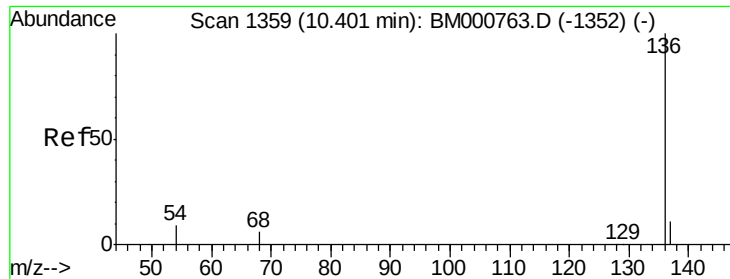


Abundance Ion 42.00 (41.70 to 42.70): BM0

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: BM000759.D

Acq: 31 Mar 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

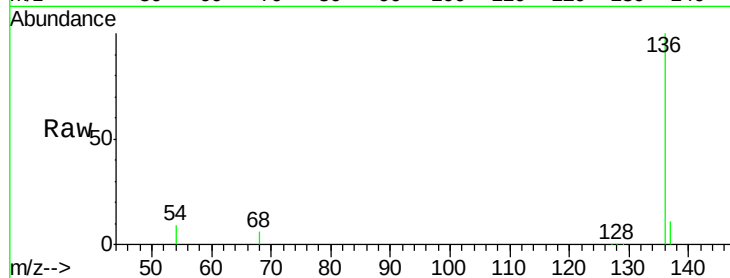
Tgt Ion: 136 Resp: 120634

Ion Ratio Lower Upper

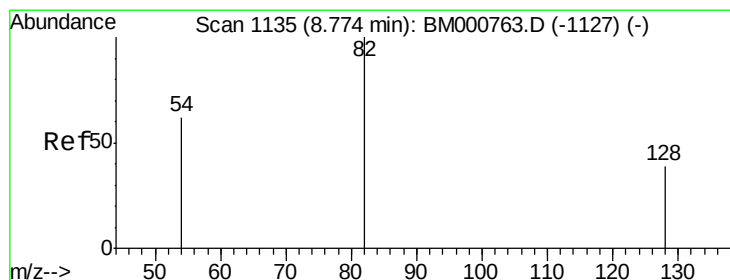
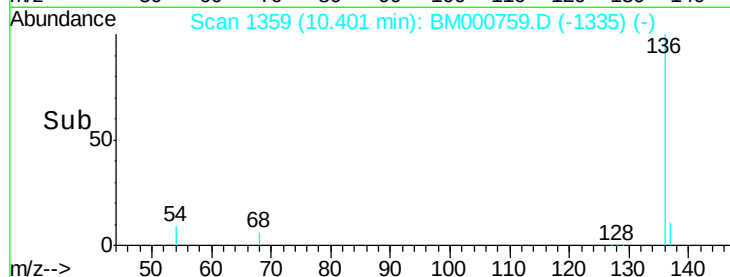
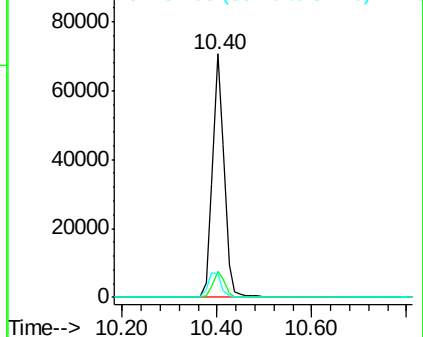
136 100

137 10.6 8.6 12.8

54 9.4 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: 0.09 ng

RT: 8.78 min Scan# 1136

Delta R.T. 0.01 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

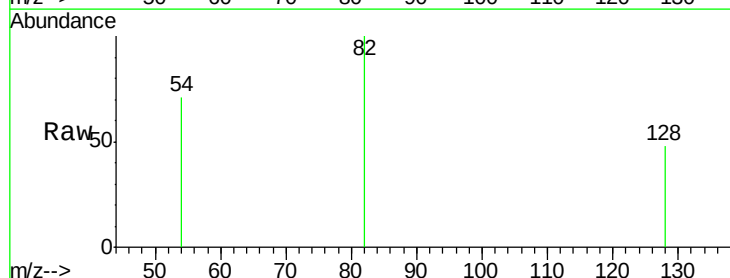
Tgt Ion: 82 Resp: 523

Ion Ratio Lower Upper

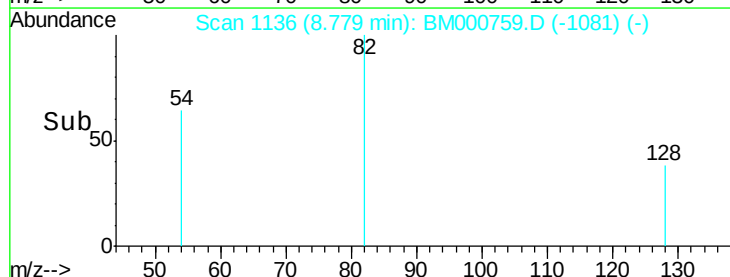
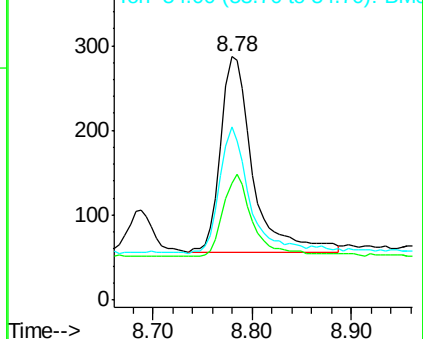
82 100

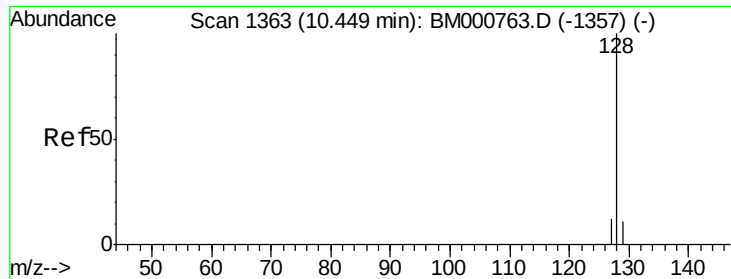
128 48.1 32.2 48.2

54 71.1 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: 0.12 ng

RT: 10.45 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

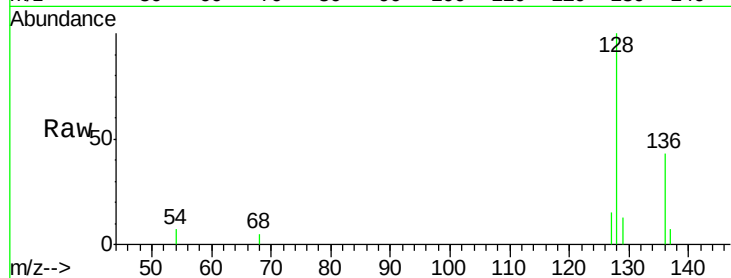
Tgt Ion:128 Resp: 2782

Ion Ratio Lower Upper

128 100

129 13.5 8.9 13.3#

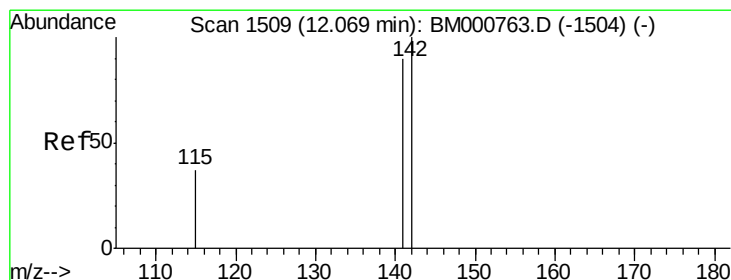
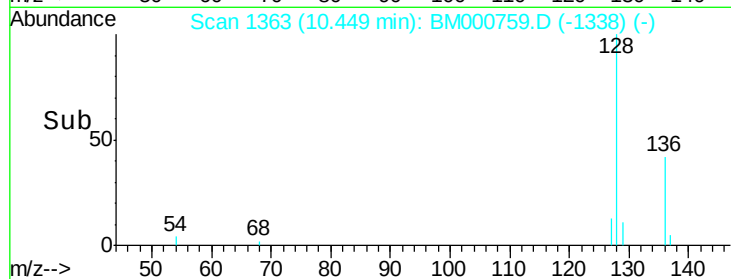
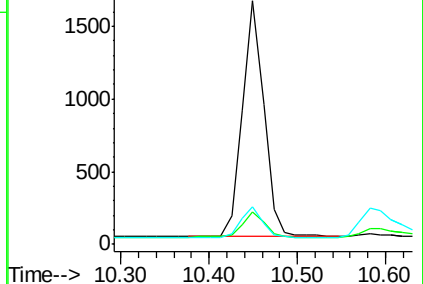
127 15.4 10.0 15.0#



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: 0.11 ng

RT: 12.08 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

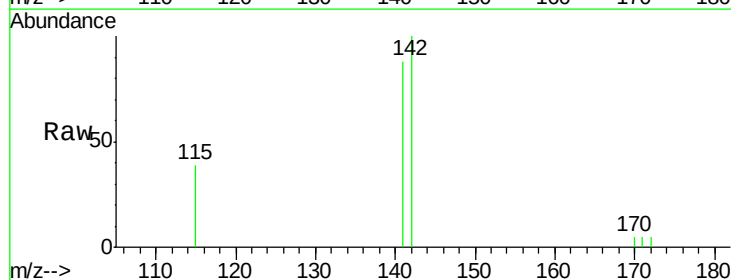
Tgt Ion:142 Resp: 1704

Ion Ratio Lower Upper

142 100

141 87.7 72.3 108.5

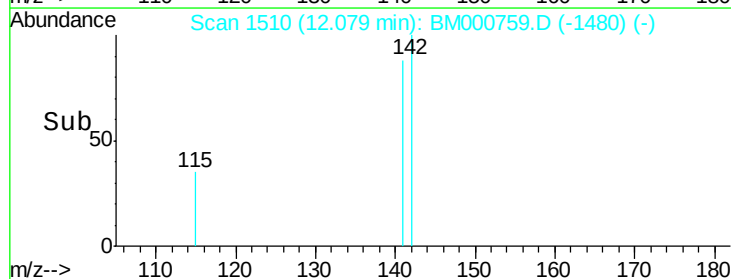
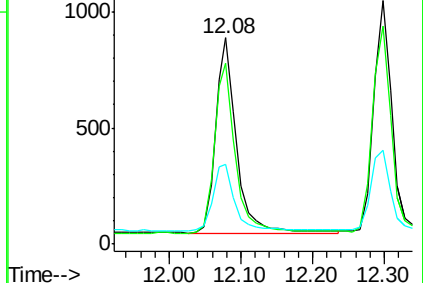
115 38.8 29.5 44.3

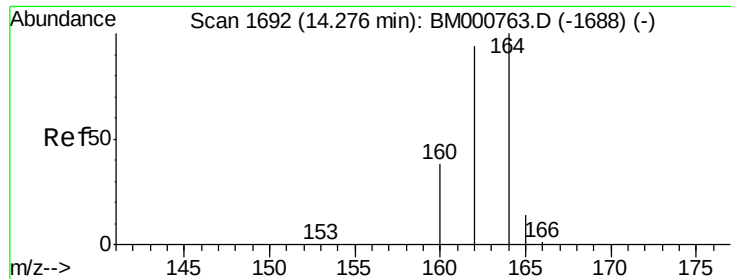


Abundance Ion 142.00 (141.70 to 142.70): E

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: BM000759.D

Acq: 31 Mar 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

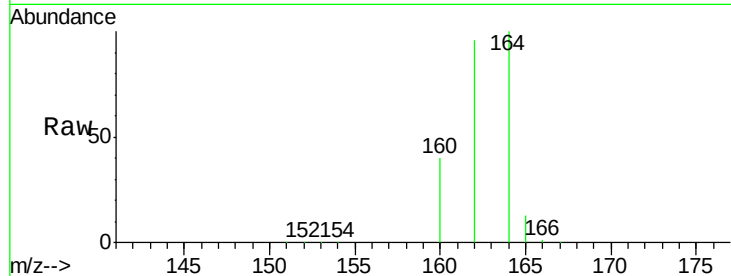
Tgt Ion:164 Resp: 59147

Ion Ratio Lower Upper

164 100

162 95.8 75.4 113.2

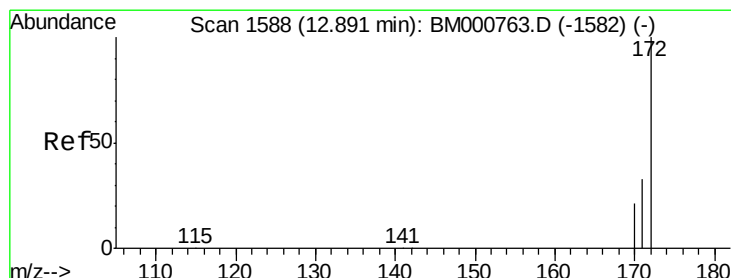
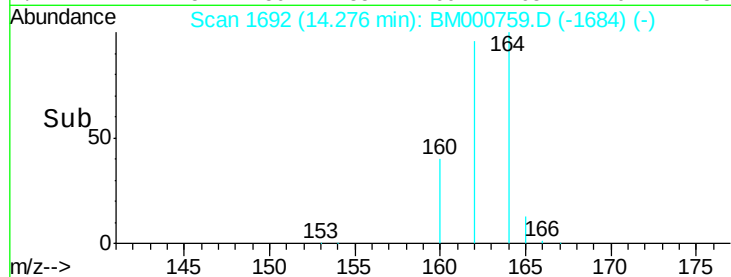
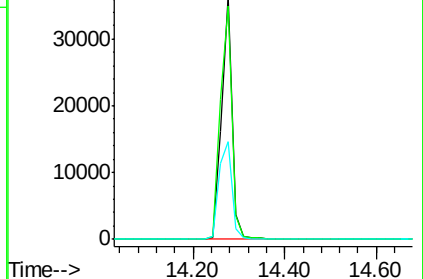
160 39.9 30.8 46.2



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: 0.13 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

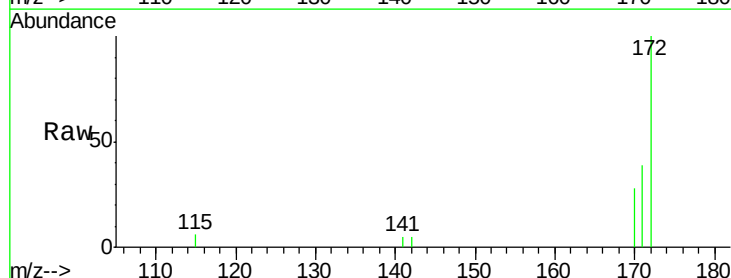
Tgt Ion:172 Resp: 1865

Ion Ratio Lower Upper

172 100

171 38.6 26.6 39.8

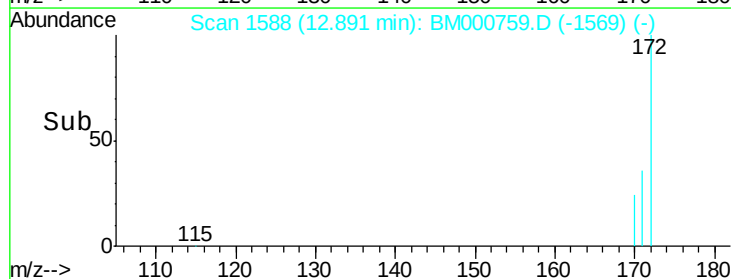
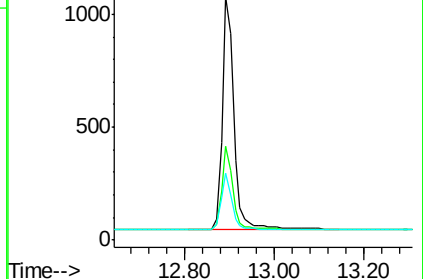
170 27.6 17.1 25.7#

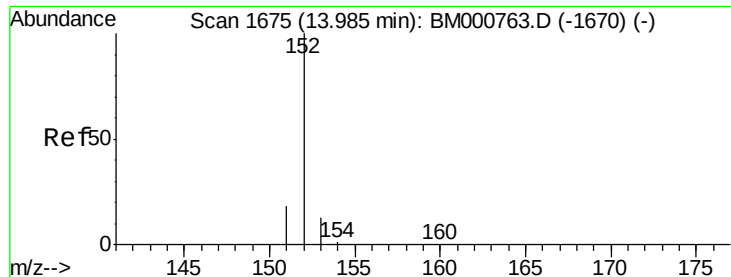


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthylene

Concen: 0.03 ng

RT: 13.99 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

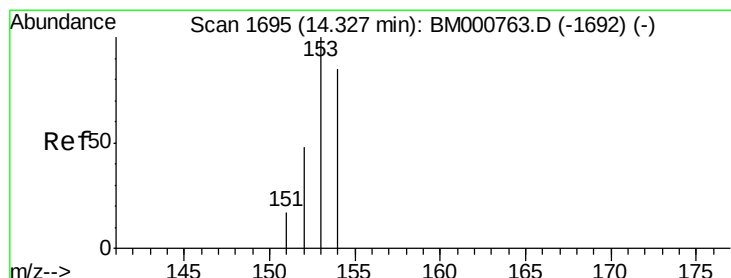
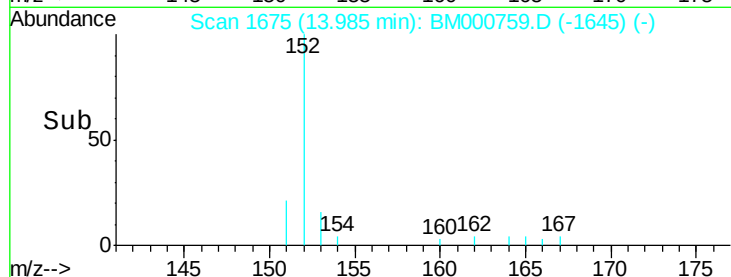
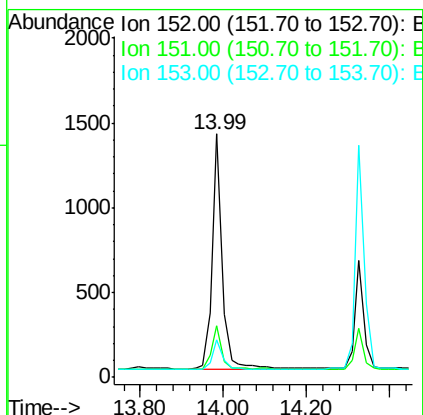
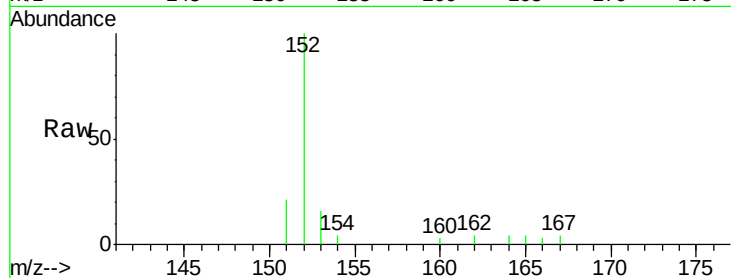
Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

Tgt Ion:	152	Resp:	2301
Ion	Ratio	Lower	Upper
152	100		
151	18.0	15.1	22.7
153	13.2	10.2	15.4



#11

Acenaphthene

Concen: 0.15 ng

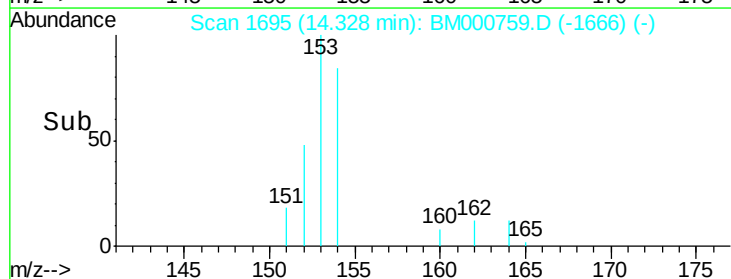
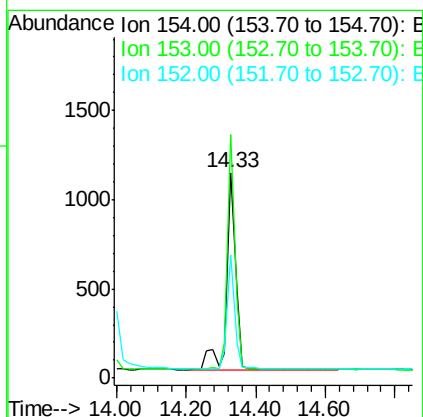
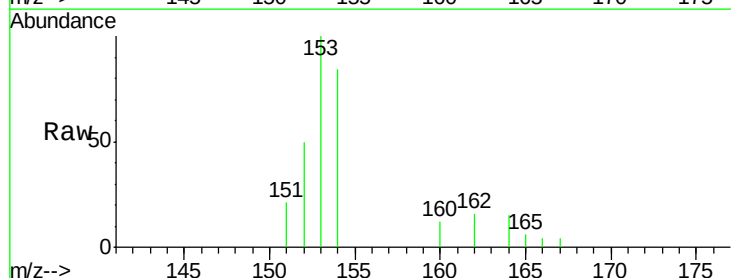
RT: 14.33 min Scan# 1695

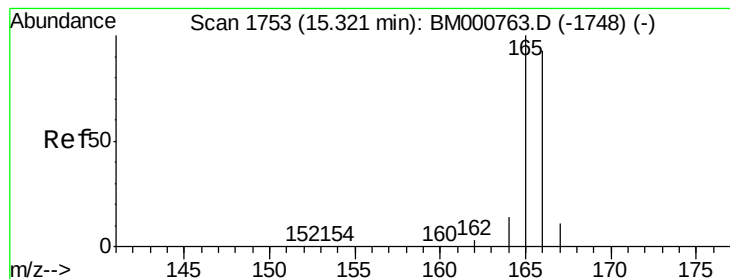
Delta R.T. 0.00 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

Tgt Ion:	154	Resp:	2001
Ion	Ratio	Lower	Upper
154	100		
153	97.4	87.3	130.9
152	48.4	43.0	64.6





#12

Fluorene

Concen: 0.12 ng

RT: 15.34 min Scan# 1754

Delta R.T. 0.02 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

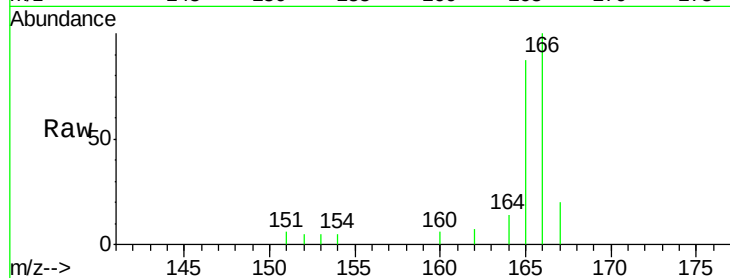
Tgt Ion:166 Resp: 1971

Ion Ratio Lower Upper

166 100

165 100.2 78.2 117.2

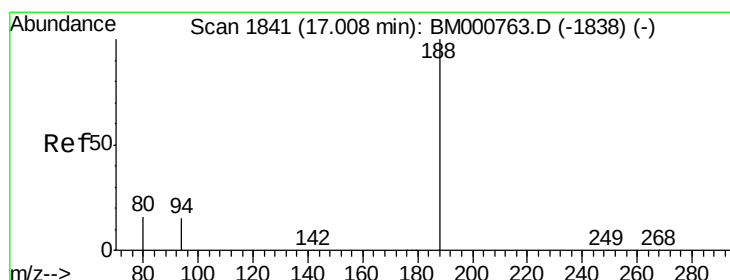
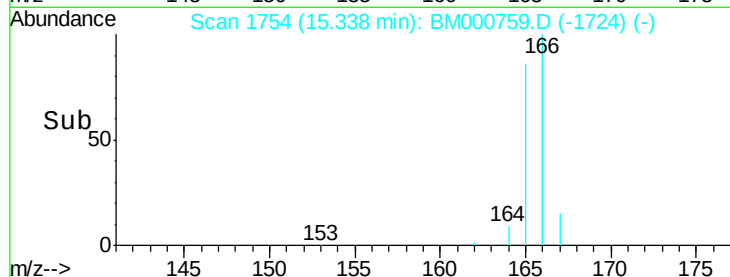
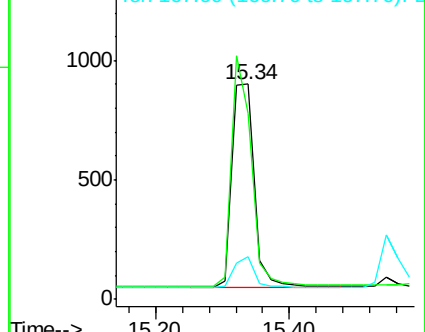
167 14.0 10.7 16.1



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: BM000759.D

Acq: 31 Mar 2015 18:52

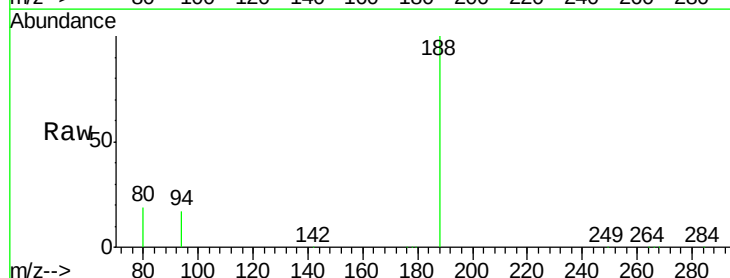
Tgt Ion:188 Resp: 122918

Ion Ratio Lower Upper

188 100

94 17.0 12.0 18.0

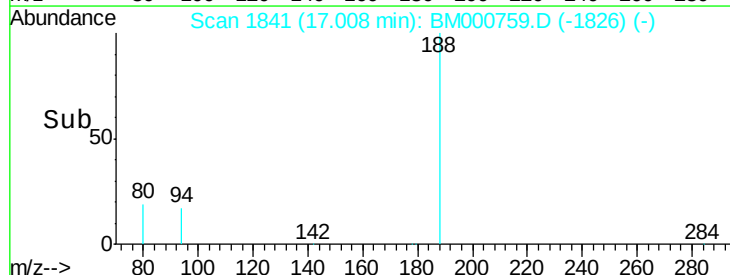
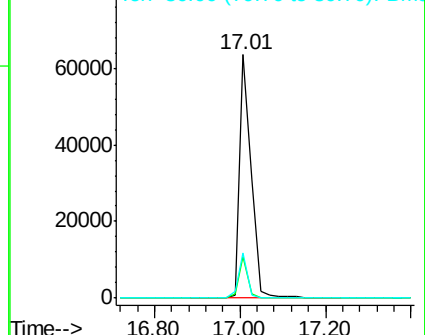
80 18.6 12.8 19.2

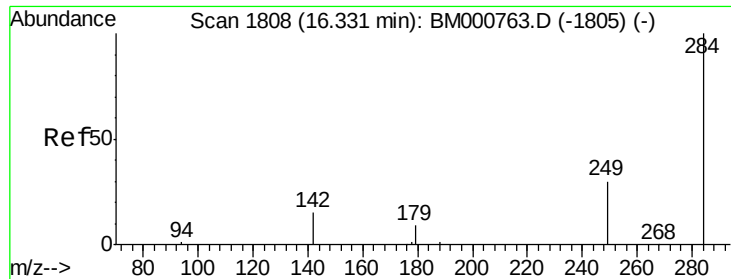


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

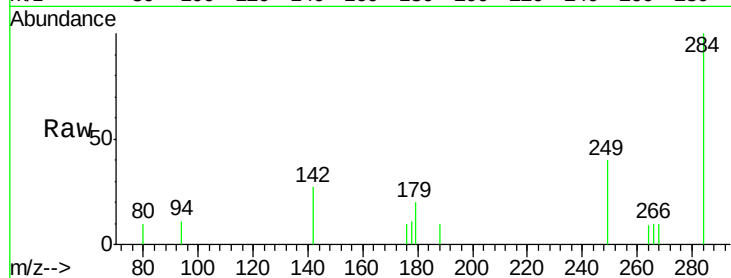




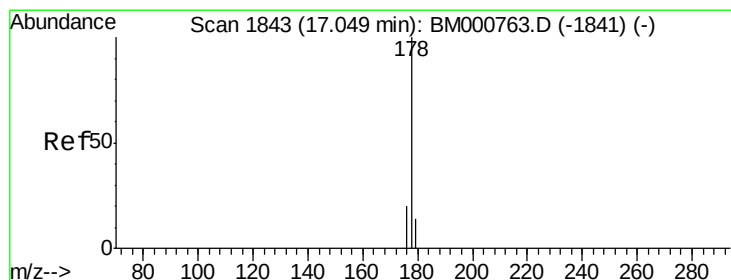
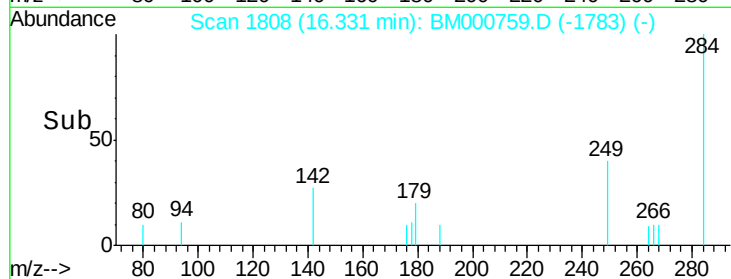
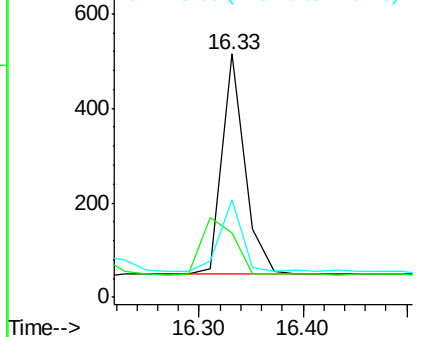
#14
Hexachlorobenzene
Concen: 0.17 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000759.D
Acq: 31 Mar 2015 18:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Tgt Ion: 284 Resp: 720
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 31.8 25.2 37.8

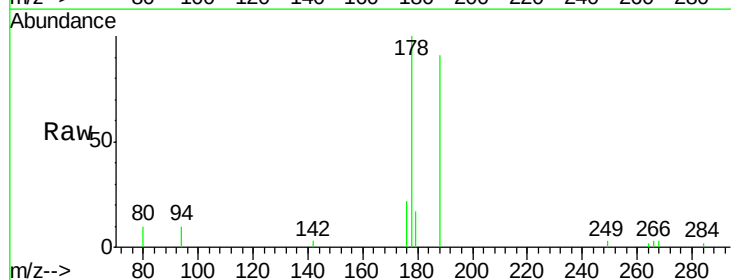


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

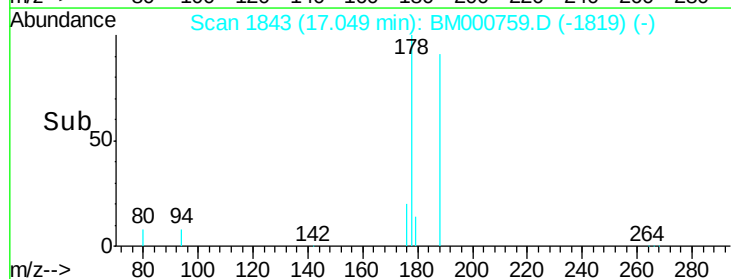
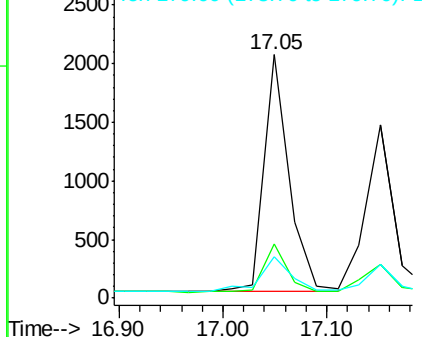


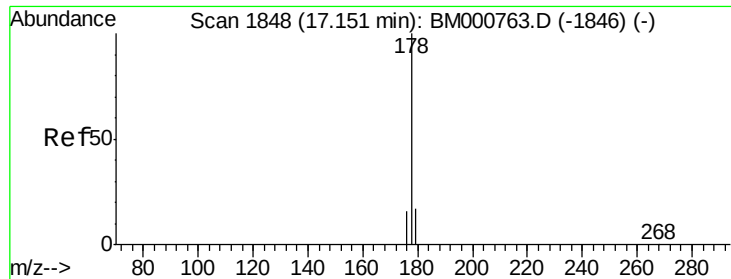
#16
Phenanthrene
Concen: 0.13 ng
RT: 17.05 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BM000759.D
Acq: 31 Mar 2015 18:52

Tgt Ion: 178 Resp: 3414
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 17.6 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

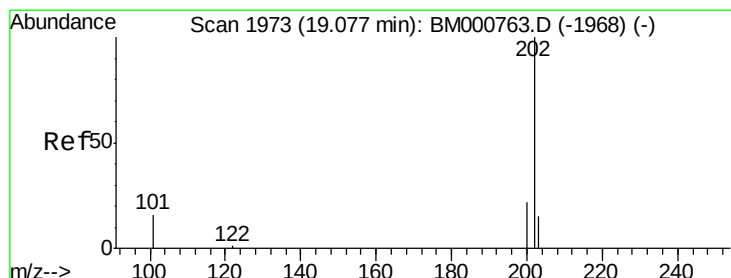
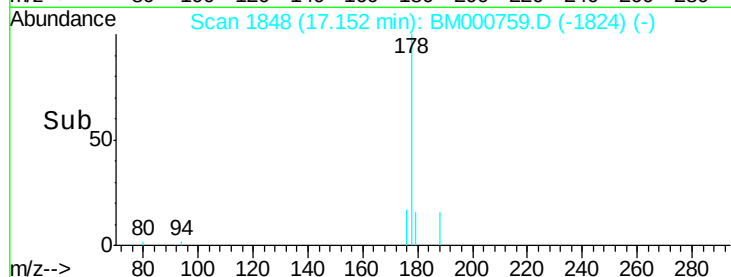
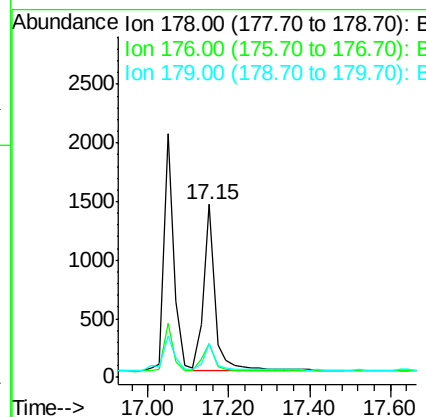
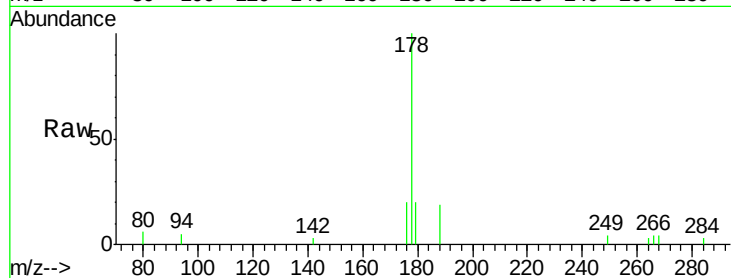




#17
 Anthracene
 Concen: 0.12 ng
 RT: 17.15 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BM000759.D
 Acq: 31 Mar 2015 18:52

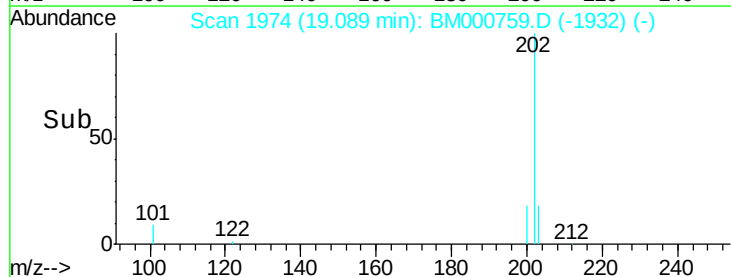
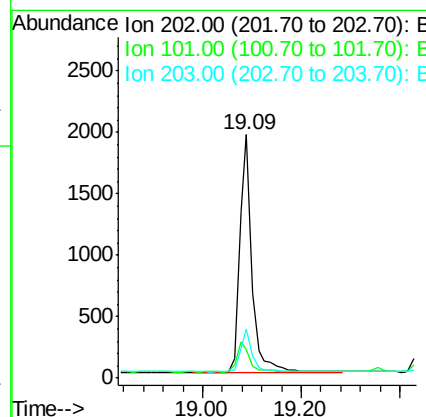
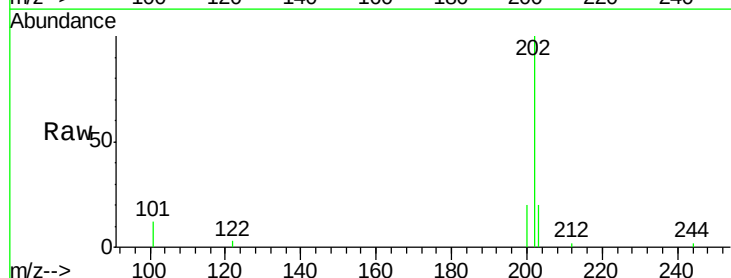
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1

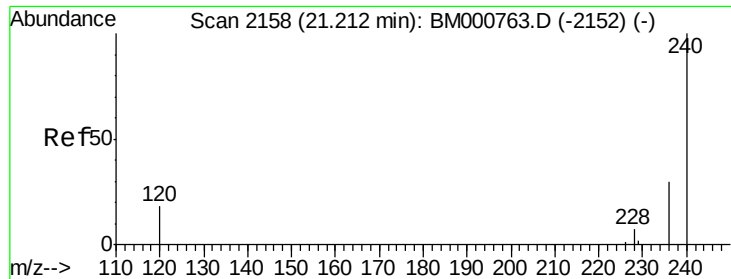
Tgt Ion:178 Resp: 2808
 Ion Ratio Lower Upper
 178 100
 176 17.3 14.6 22.0
 179 14.7 12.2 18.4



#18
 Fluoranthene
 Concen: 0.13 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000759.D
 Acq: 31 Mar 2015 18:52

Tgt Ion:202 Resp: 3327
 Ion Ratio Lower Upper
 202 100
 101 13.0 10.5 15.7
 203 17.9 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: BM000759.D

Acq: 31 Mar 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

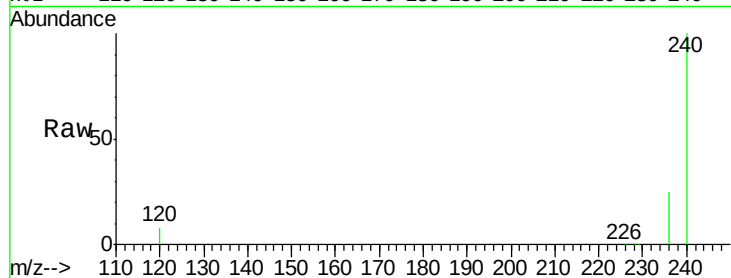
Tgt Ion:240 Resp: 110296

Ion Ratio Lower Upper

240 100

120 8.1 14.9 22.3#

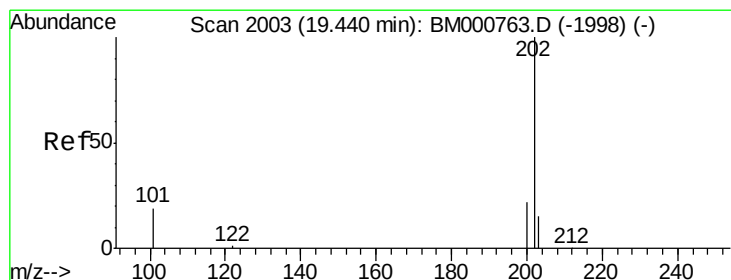
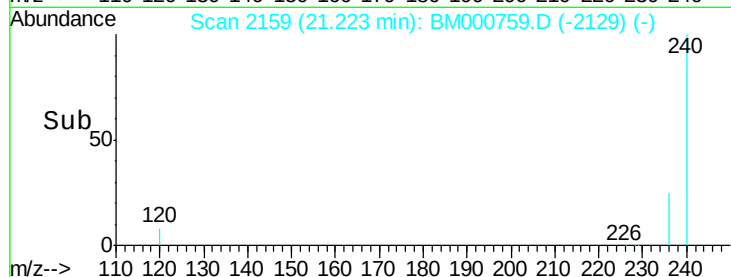
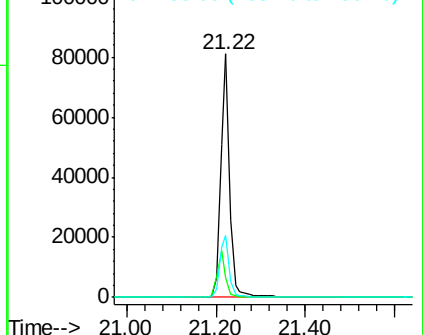
236 25.2 24.2 36.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 0.12 ng

RT: 19.45 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

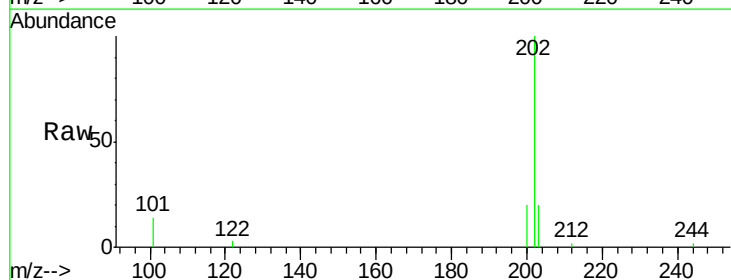
Tgt Ion:202 Resp: 3454

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

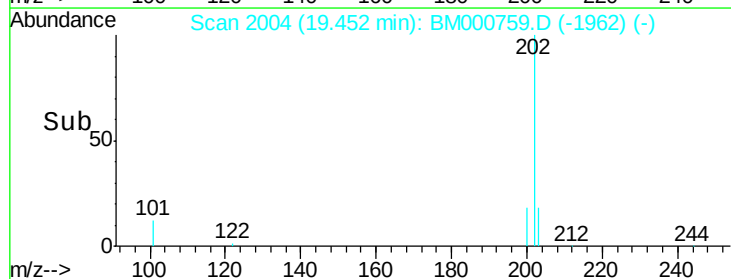
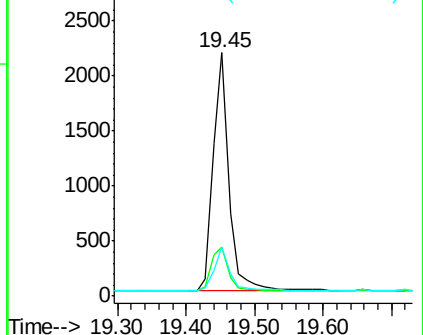
203 18.2 13.9 20.9

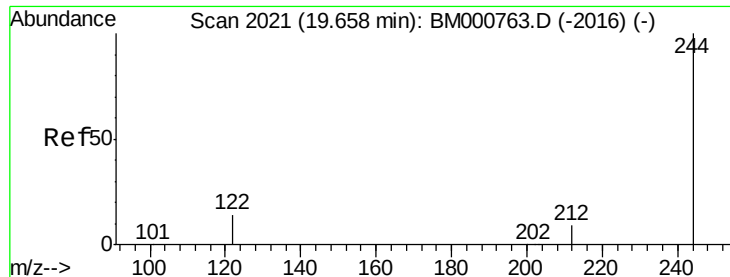


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.08 ng

RT: 19.66 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

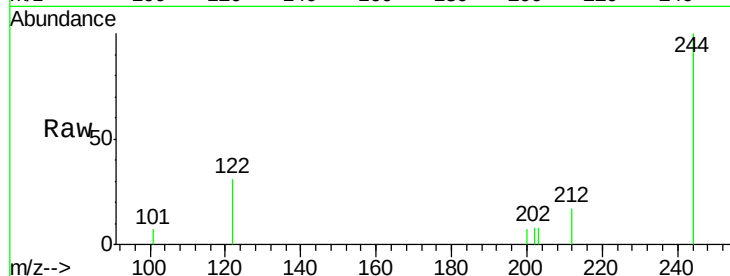
Tgt Ion:244 Resp: 1239

Ion Ratio Lower Upper

244 100

212 16.9 7.8 11.6#

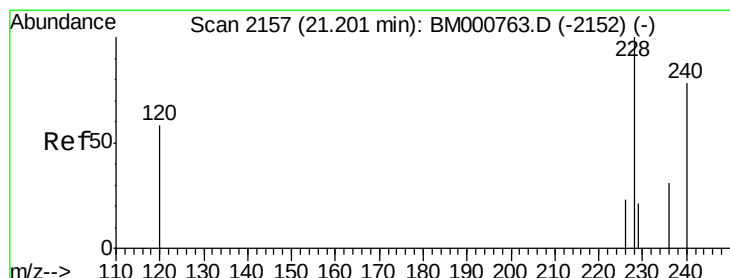
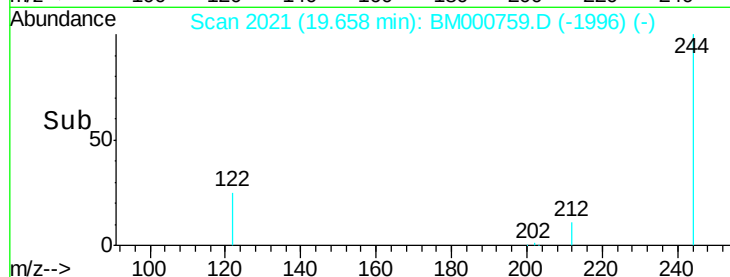
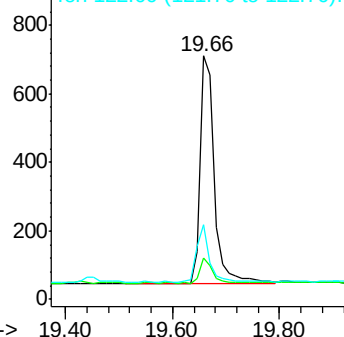
122 30.9 11.8 17.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#22

Benzo(a)anthracene

Concen: 0.15 ng

RT: 21.20 min Scan# 2157

Delta R.T. 0.00 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

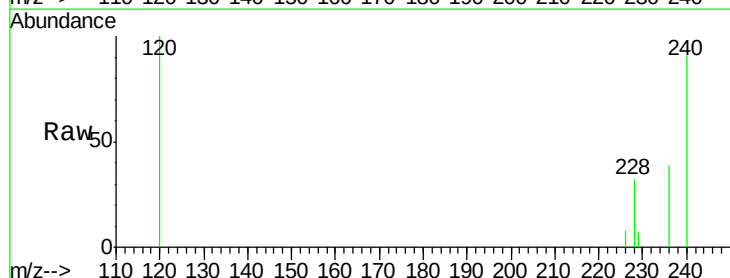
Tgt Ion:228 Resp: 3362

Ion Ratio Lower Upper

228 100

226 26.4 18.6 27.8

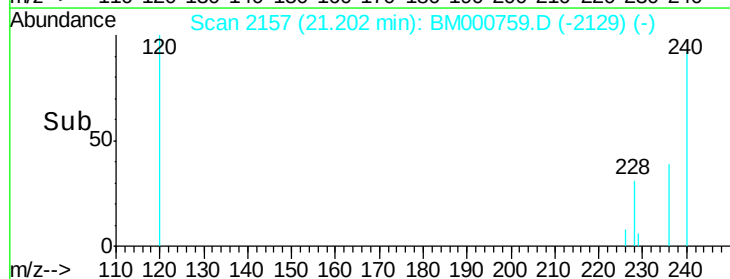
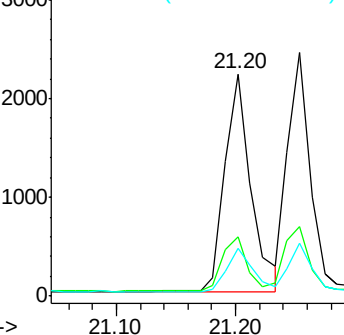
229 21.3 17.2 25.8

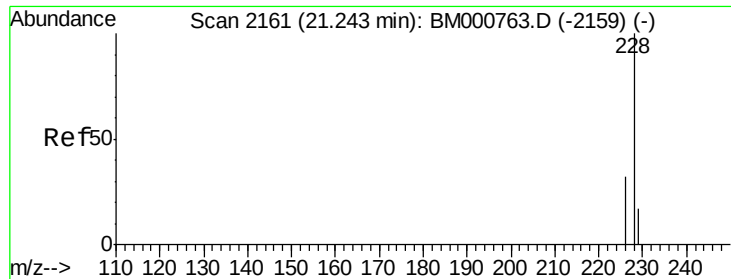


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 0.14 ng

RT: 21.25 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

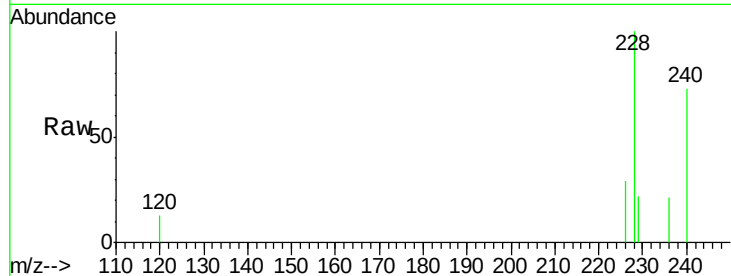
Tgt Ion:228 Resp: 3307

Ion Ratio Lower Upper

228 100

226 28.7 25.8 38.8

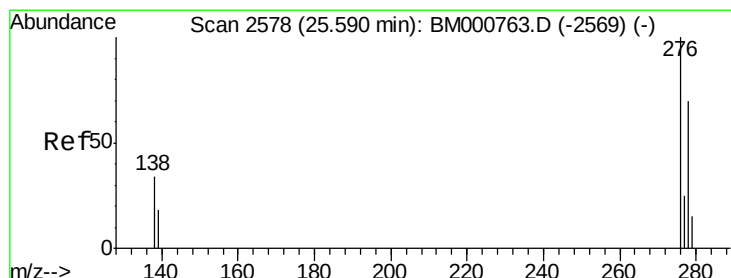
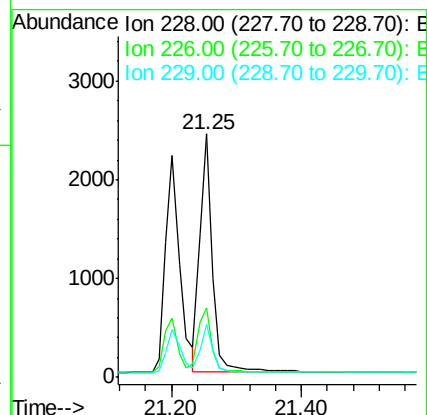
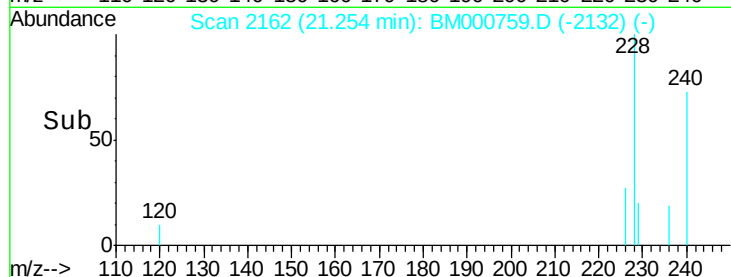
229 21.6 13.8 20.6#



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: 0.21 ng

RT: 25.60 min Scan# 2579

Delta R.T. 0.01 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

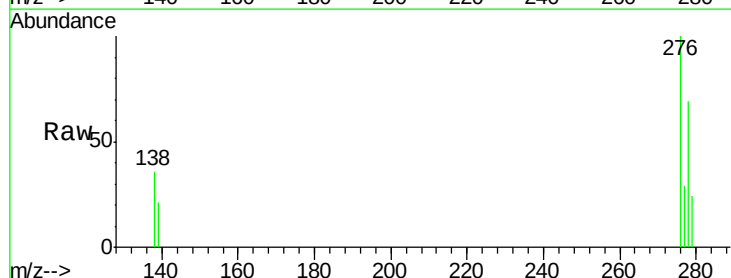
Tgt Ion:276 Resp: 3411

Ion Ratio Lower Upper

276 100

138 33.1 27.4 41.2

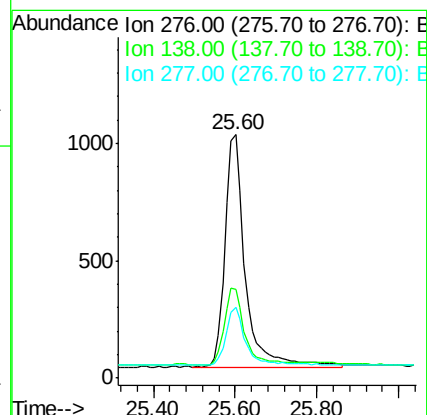
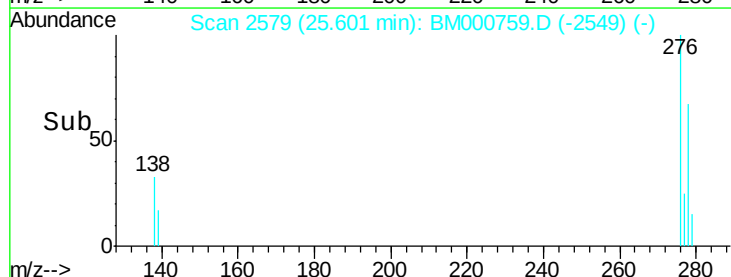
277 24.5 19.7 29.5

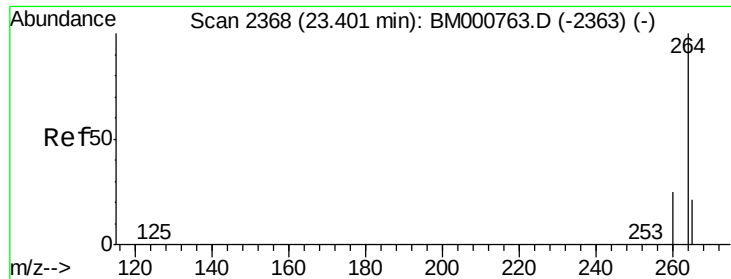


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



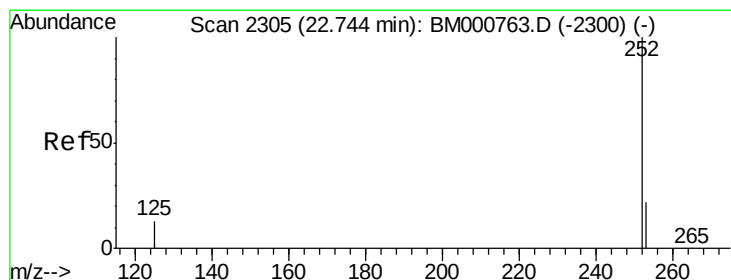
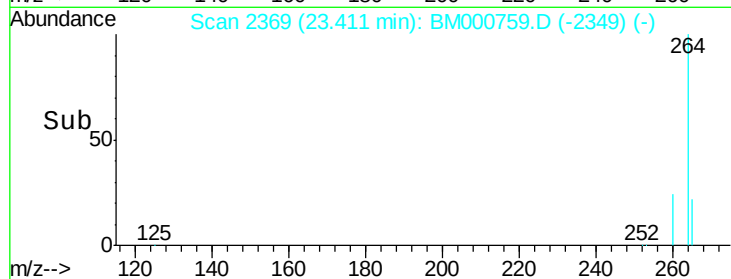
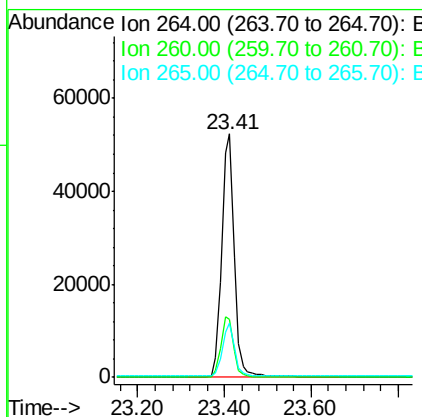
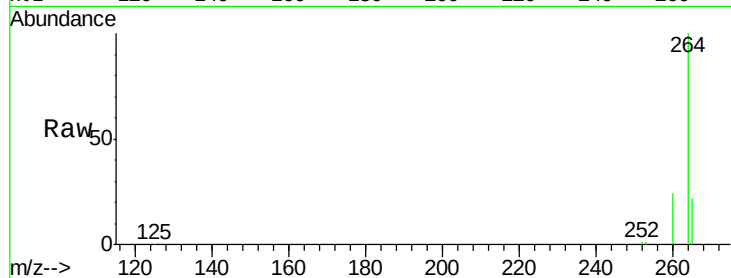


#25
Perylene-d12
Concen: 5.00 ng
RT: 23.41 min Scan# 2369
Delta R.T. 0.01 min
Lab File: BM000759.D
Acq: 31 Mar 2015 18:52

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

Tgt Ion: 264 Resp: 103979

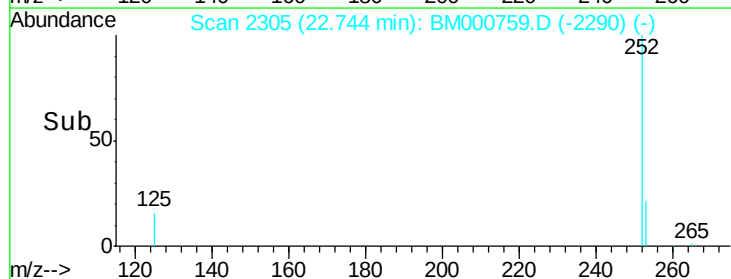
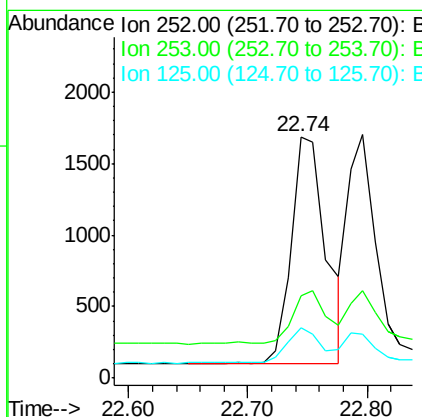
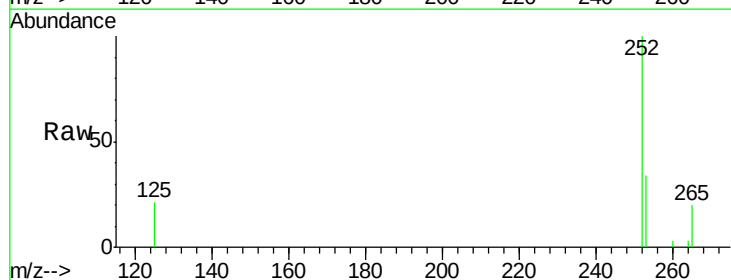
Ion	Ratio	Lower	Upper
264	100		
260	23.6	20.1	30.1
265	22.4	17.4	26.0

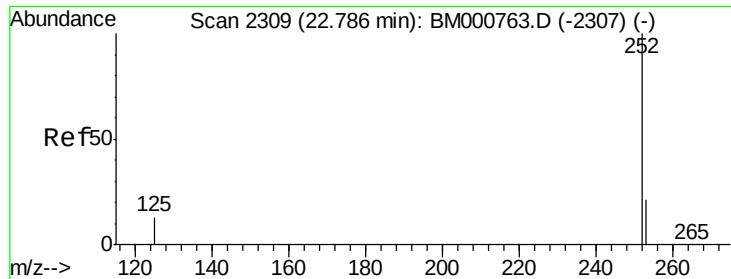


#26
Benzo(b)fluoranthene
Concen: 0.16 ng
RT: 22.74 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BM000759.D
Acq: 31 Mar 2015 18:52

Tgt Ion: 252 Resp: 3238

Ion	Ratio	Lower	Upper
252	100		
253	34.2	18.5	27.7#
125	21.0	10.6	16.0#





#27

Benzo(k)fluoranthene

Concen: 0.12 ng

RT: 22.80 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

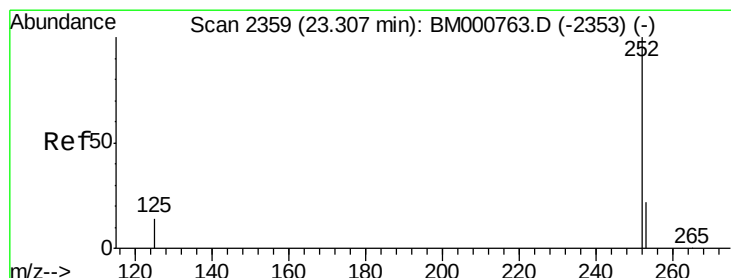
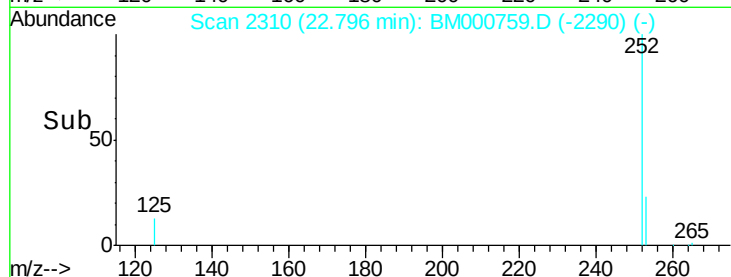
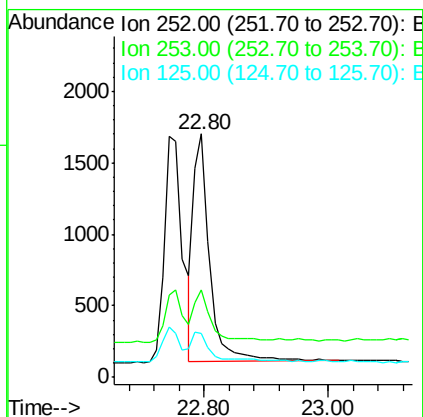
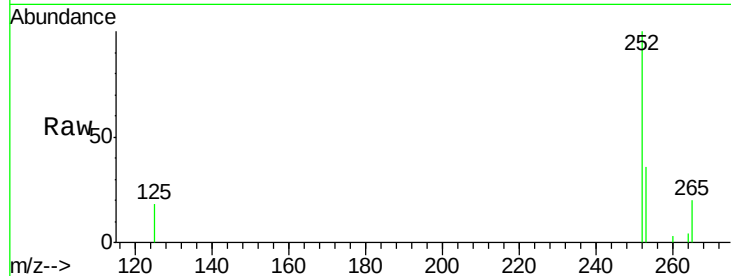
Tgt Ion:252 Resp: 2896

Ion Ratio Lower Upper

252 100

253 35.9 17.9 26.9#

125 18.3 10.8 16.2#



#28

Benzo(a)pyrene

Concen: 0.15 ng

RT: 23.31 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BM000759.D

Acq: 31 Mar 2015 18:52

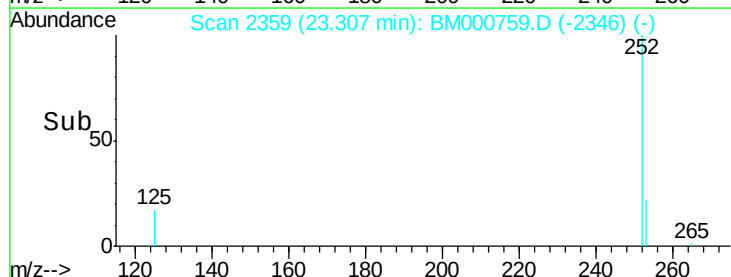
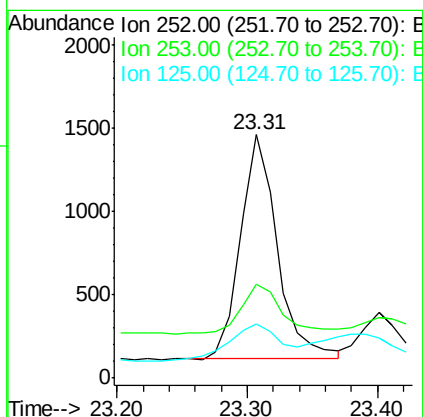
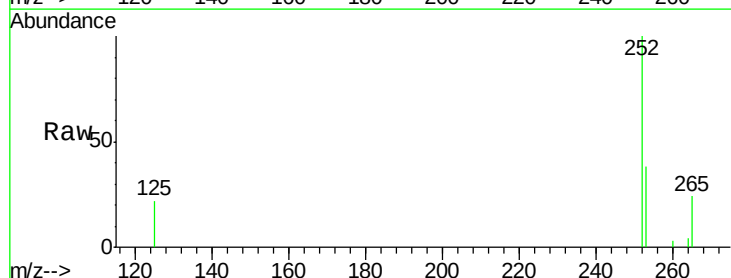
Tgt Ion:252 Resp: 2664

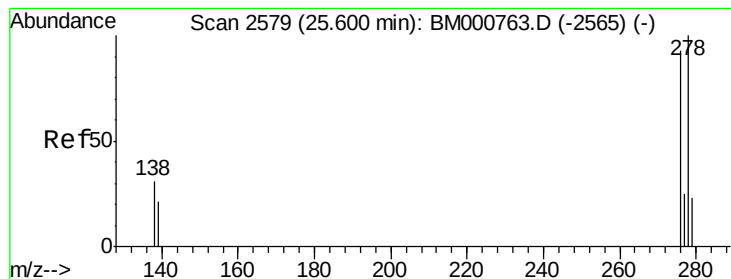
Ion Ratio Lower Upper

252 100

253 38.5 19.4 29.2#

125 22.5 11.5 17.3#



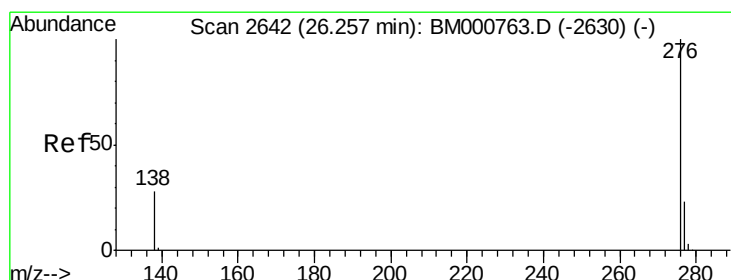
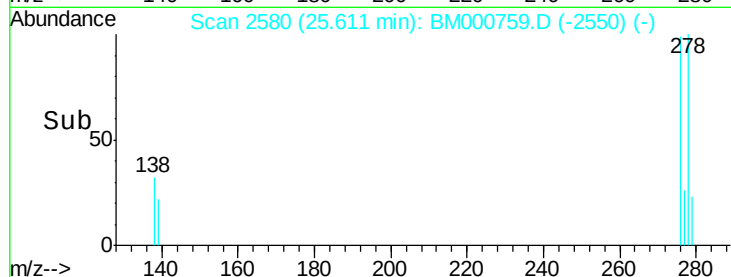
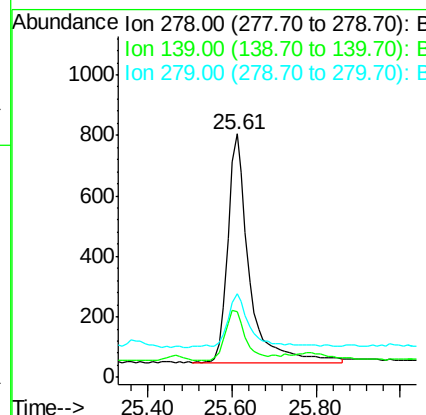
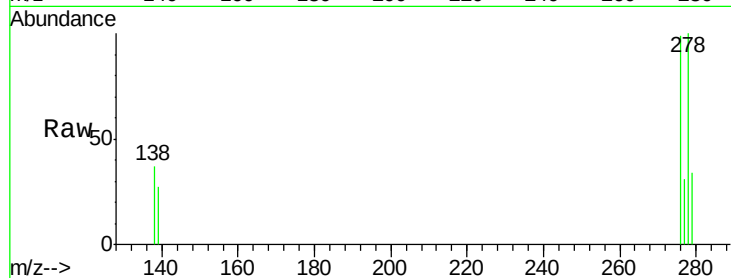


#29
Dibenzo(a,h)anthracene
Concen: 0.20 ng
RT: 25.61 min Scan# 2580
Delta R.T. 0.01 min
Lab File: BM000759.D
Acq: 31 Mar 2015 18:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Tgt Ion: 278 Resp: 2646

Ion	Ratio	Lower	Upper
278	100		
139	27.2	17.8	26.6#
279	34.3	19.3	28.9#



#30
Benzo(g,h,i)perylene
Concen: 0.17 ng
RT: 26.27 min Scan# 2643
Delta R.T. 0.01 min
Lab File: BM000759.D
Acq: 31 Mar 2015 18:52

Tgt Ion: 276 Resp: 2941

Ion	Ratio	Lower	Upper
276	100		
277	28.1	19.1	28.7
138	32.5	23.1	34.7

