

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000765.D
 Acq On : 31 Mar 2015 22:26
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Quant Time: Apr 01 03:06:48 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

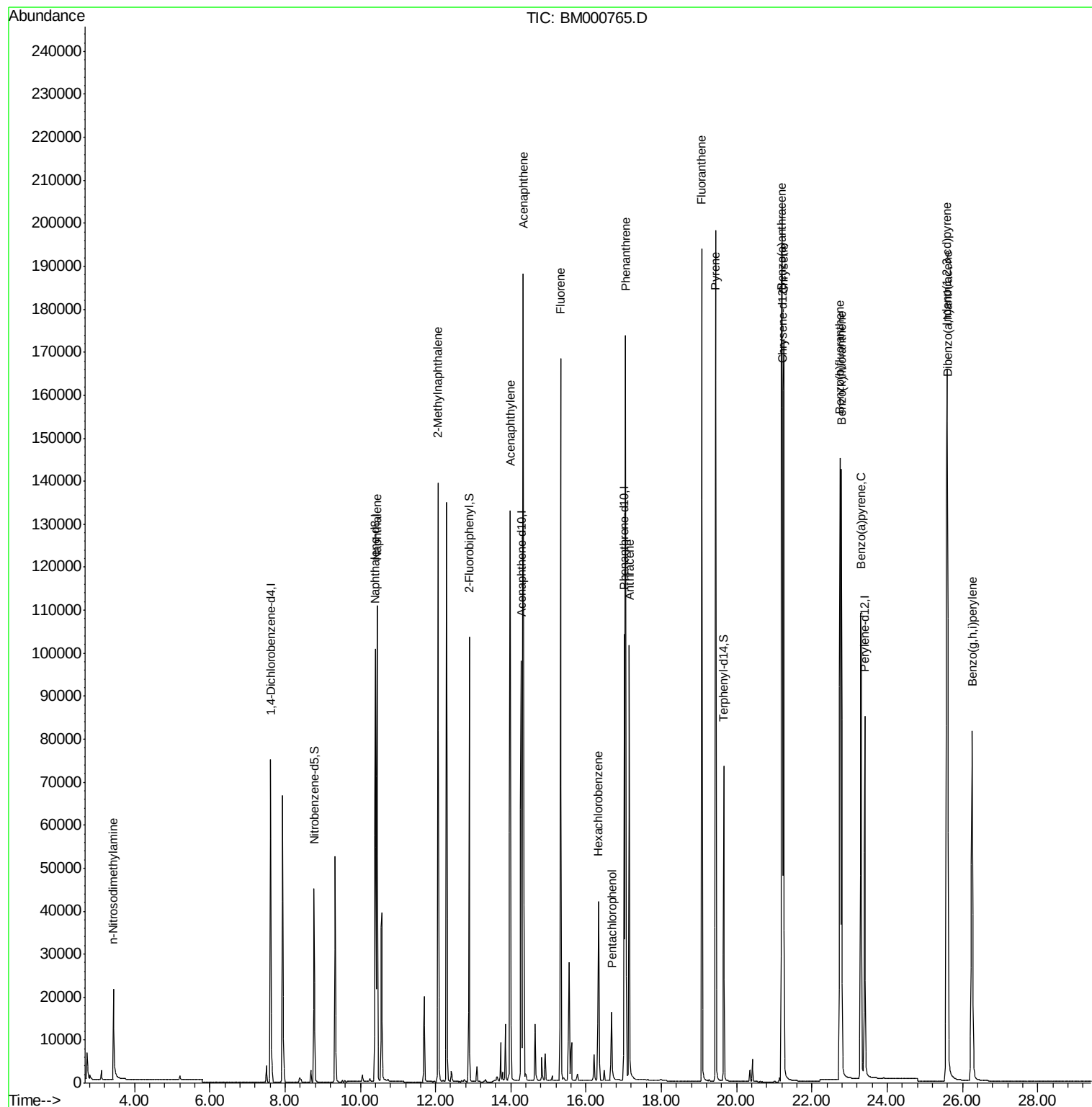
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	38071	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	131448	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	65279	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	134211	5.00	ng	0.00
19) Chrysene-d12	21.21	240	119114	5.00	ng	0.00
25) Perylene-d12	23.40	264	106119	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	36275	5.44	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	99399	6.31	ng	0.00
21) Terphenyl-d14	19.66	244	72890	4.30	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.43	42	20084	3.71	ng	96
6) Naphthalene	10.45	128	150140	5.70	ng	99
7) 2-Methylnaphthalene	12.07	142	97649	5.87	ng	96
10) Acenaphthylene	13.98	152	162147	1.96	ng	100
11) Acenaphthene	14.33	154	98503	6.80	ng	97
12) Fluorene	15.32	166	113869	6.38	ng	100
14) Hexachlorobenzene	16.33	284	39858	8.83	ng	# 98
15) Pentachlorophenol	16.68	266	13088	0.29	ng	96
16) Phenanthrene	17.05	178	186852	6.40	ng	100
17) Anthracene	17.15	178	158520	6.13	ng	100
18) Fluoranthene	19.08	202	190073	6.80	ng	100
20) Pyrene	19.44	202	201744	6.62	ng	100
22) Benzo(a)anthracene	21.20	228	176253	7.48	ng	100
23) Chrysene	21.25	228	173023	6.95	ng	# 89
24) Indeno(1,2,3-cd)pyrene	25.59	276	186967	10.54	ng	100
26) Benzo(b)fluoranthene	22.74	252	173927	8.55	ng	98
27) Benzo(k)fluoranthene	22.79	252	163640	6.83	ng	99
28) Benzo(a)pyrene	23.30	252	154769	8.58	ng	94
29) Dibenzo(a,h)anthracene	25.60	278	147372	10.86	ng	99
30) Benzo(g,h,i)perylene	26.26	276	153680	8.88	ng	100

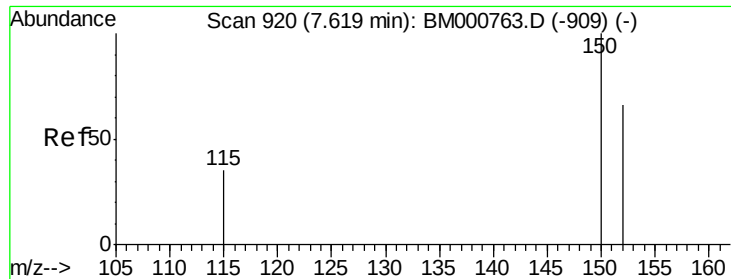
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM000765.D

Acq: 31 Mar 2015 22:26

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

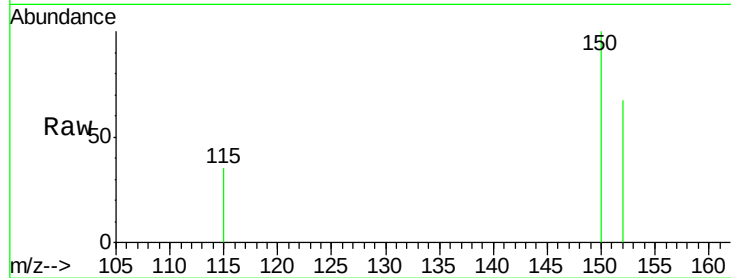
Tgt Ion:152 Resp: 38071

Ion Ratio Lower Upper

152 100

150 150.1 120.8 181.2

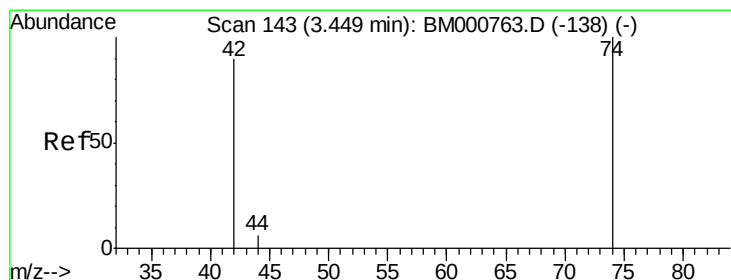
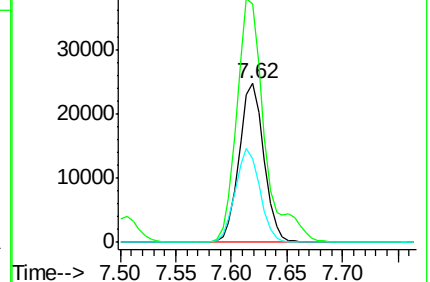
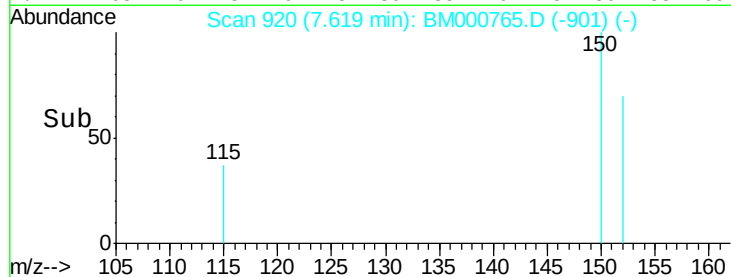
115 52.9 42.7 64.1



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: 3.71 ng

RT: 3.43 min Scan# 140

Delta R.T. -0.02 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

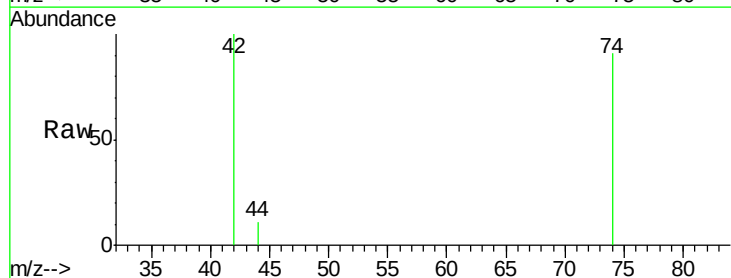
Tgt Ion: 42 Resp: 20084

Ion Ratio Lower Upper

42 100

74 112.5 93.6 140.4

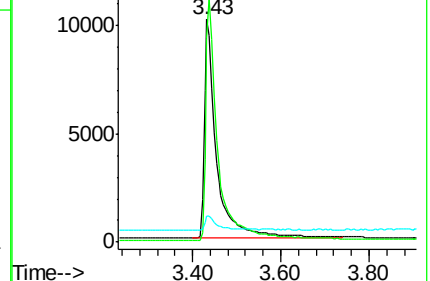
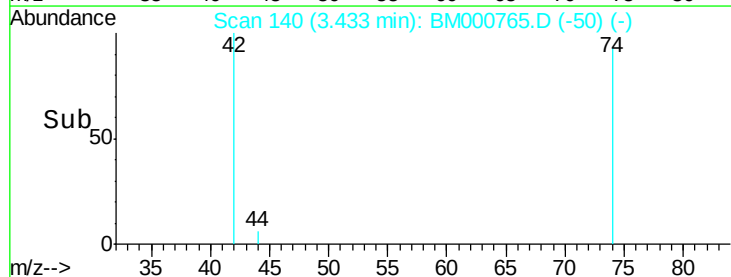
44 6.3 6.3 9.5

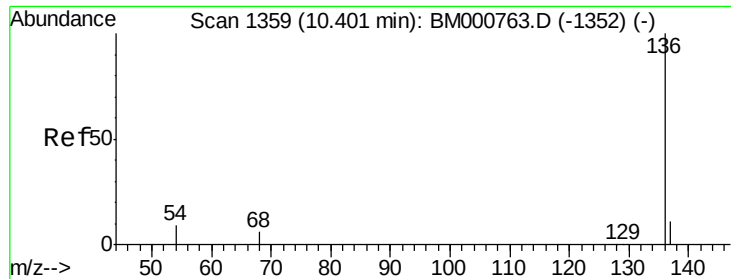


Abundance Ion 42.00 (41.70 to 42.70): BM0

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: BM000765.D

Acq: 31 Mar 2015 22:26

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

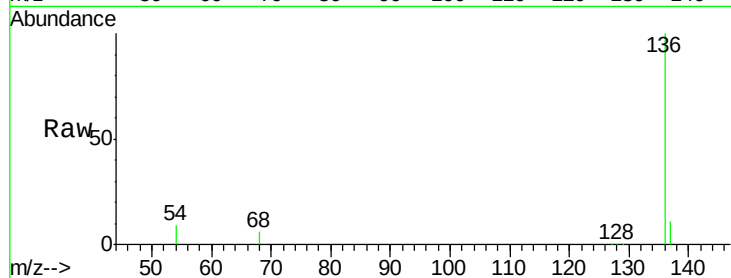
Tgt Ion:136 Resp: 131448

Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

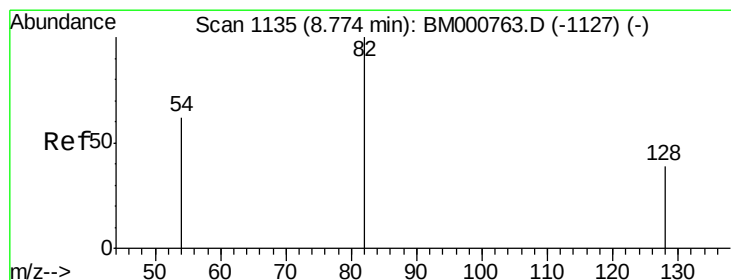
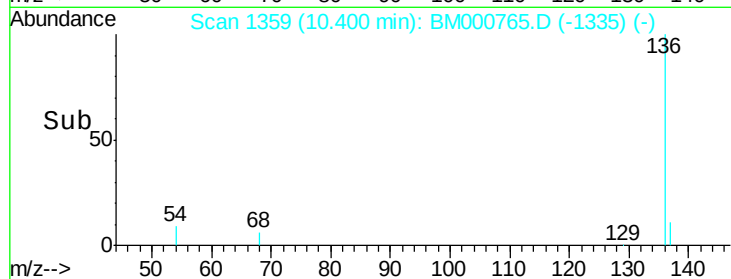
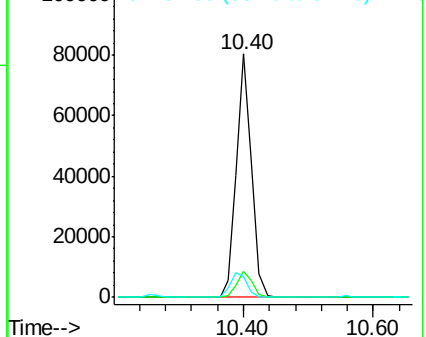
54 8.8 7.0 10.6



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: 5.44 ng

RT: 8.77 min Scan# 1135

Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

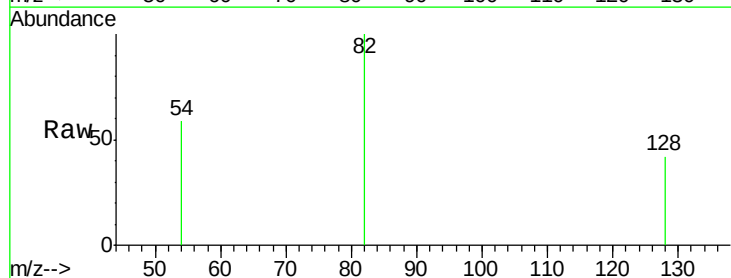
Tgt Ion: 82 Resp: 36275

Ion Ratio Lower Upper

82 100

128 41.8 32.2 48.2

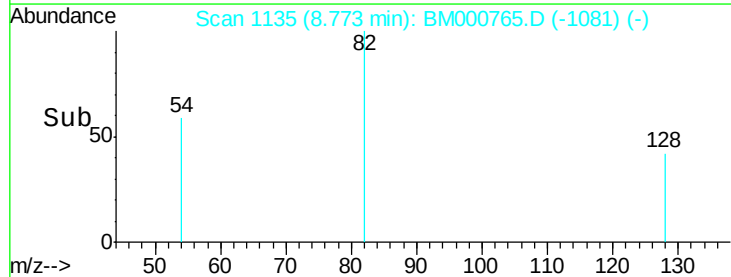
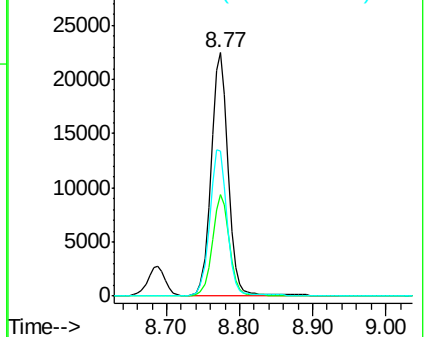
54 59.4 50.2 75.4

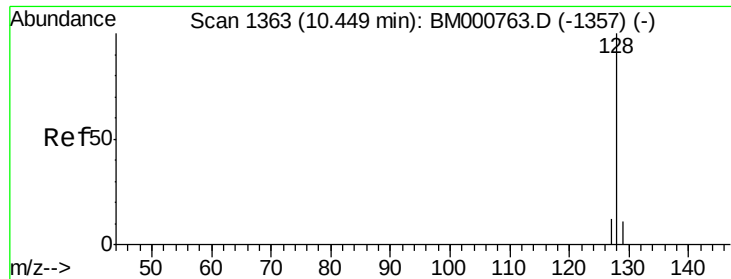


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#6

Naphthalene

Concen: 5.70 ng

RT: 10.45 min Scan# 1363

Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

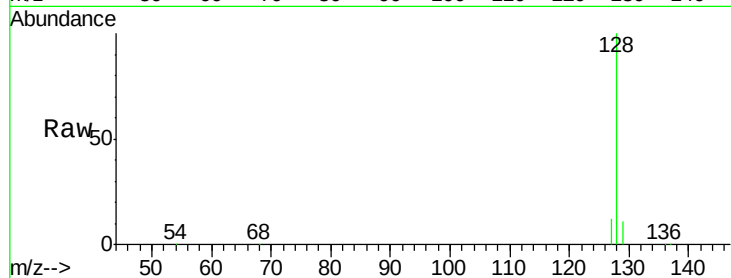
Tgt Ion:128 Resp: 150140

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

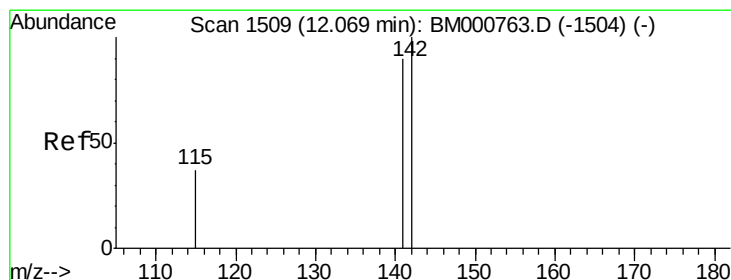
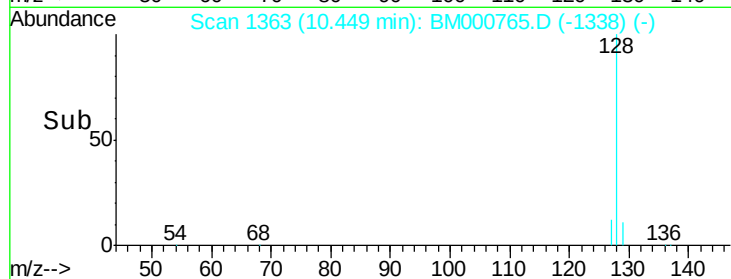
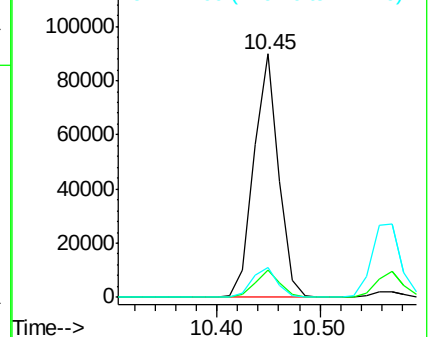
127 12.2 10.0 15.0



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: 5.87 ng

RT: 12.07 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

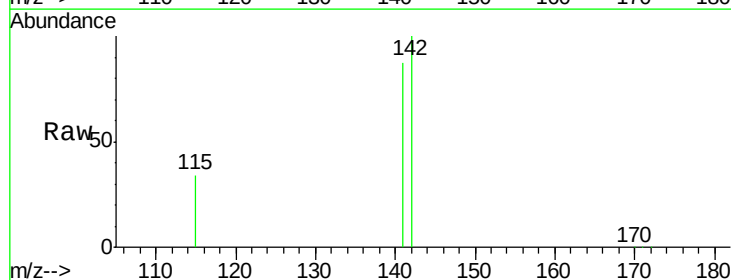
Tgt Ion:142 Resp: 97649

Ion Ratio Lower Upper

142 100

141 87.4 72.3 108.5

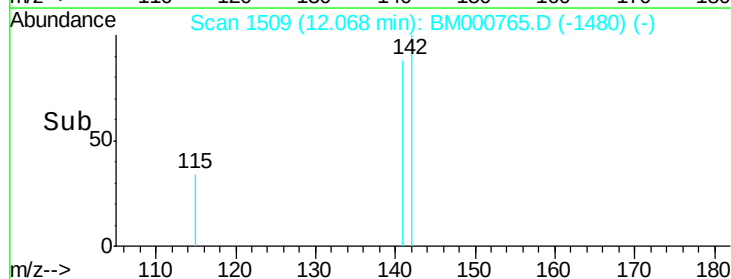
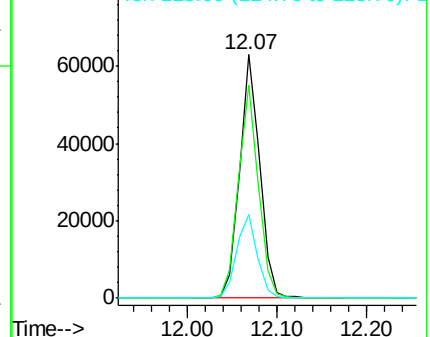
115 34.2 29.5 44.3

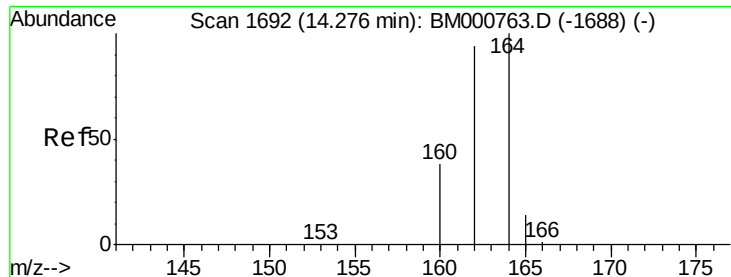


Abundance Ion 142.00 (141.70 to 142.70): E

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: BM000765.D

Acq: 31 Mar 2015 22:26

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

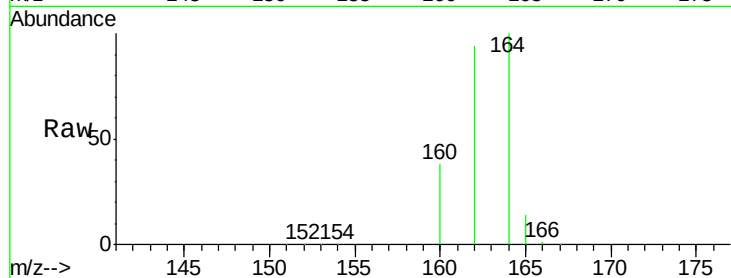
Tgt Ion:164 Resp: 65279

Ion Ratio Lower Upper

164 100

162 94.1 75.4 113.2

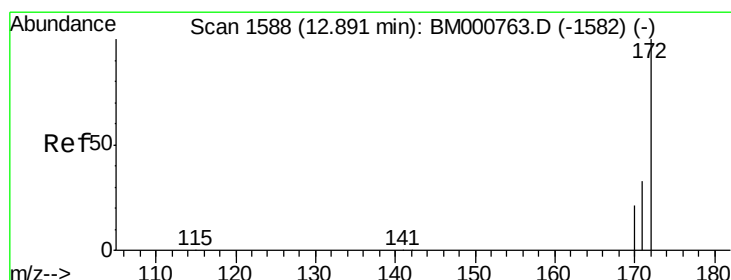
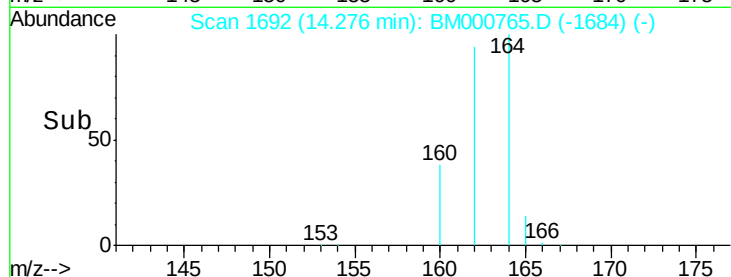
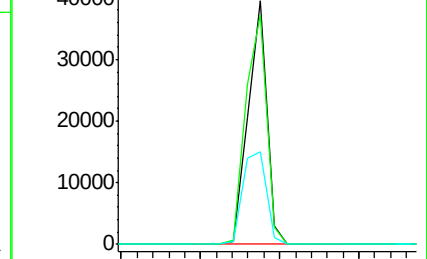
160 38.2 30.8 46.2



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: 6.31 ng

RT: 12.89 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

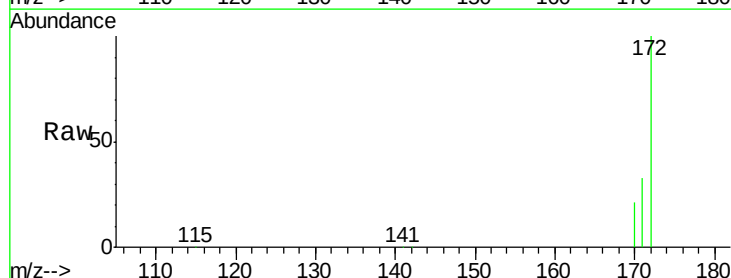
Tgt Ion:172 Resp: 99399

Ion Ratio Lower Upper

172 100

171 32.6 26.6 39.8

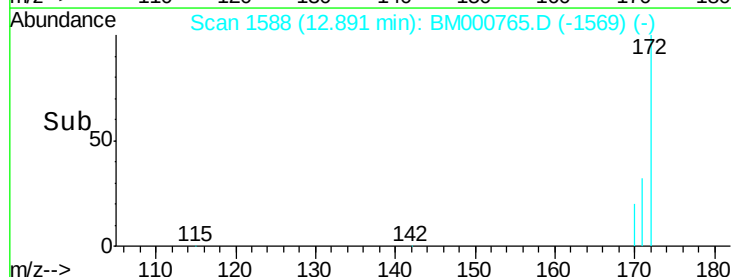
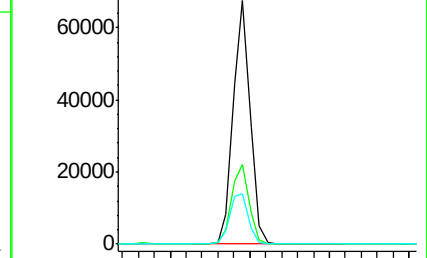
170 20.6 17.1 25.7

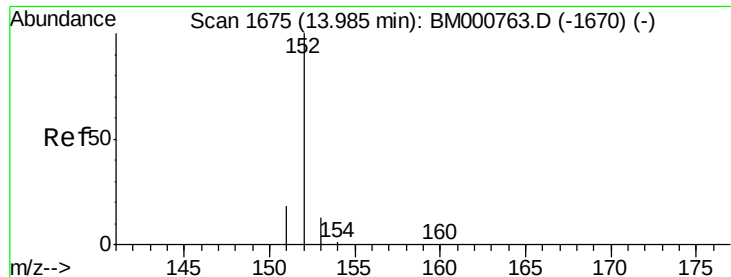


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthylene

Concen: 1.96 ng

RT: 13.98 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

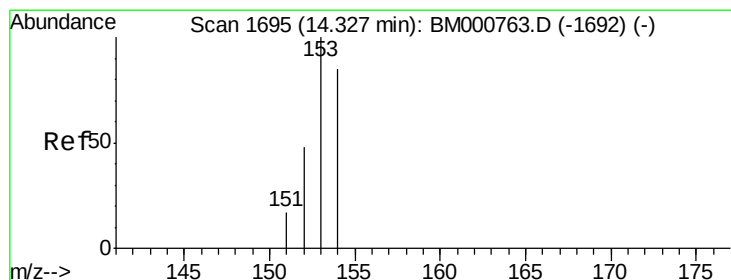
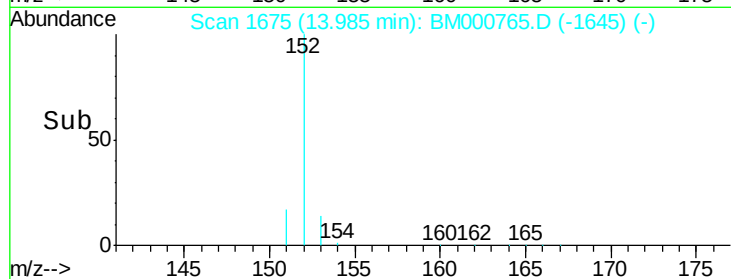
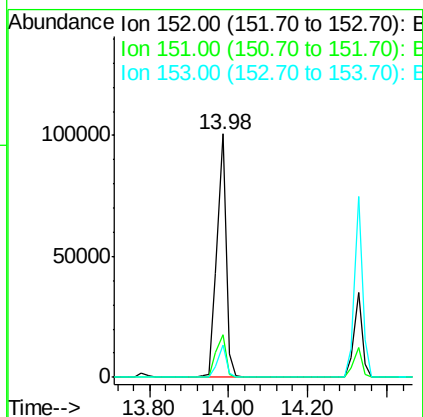
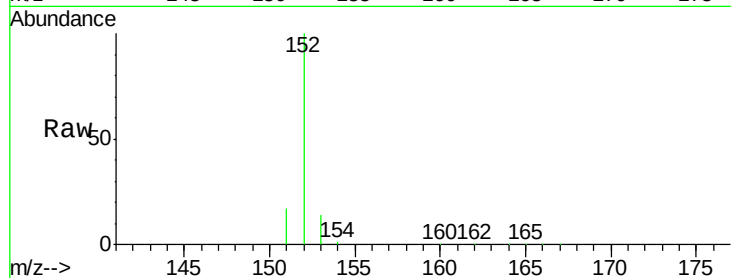
Instrument :

BNA_M

ClientSampleId :

SSTDIC005

Tgt Ion:	152	Resp:	162147
Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.1	22.7
153	12.9	10.2	15.4



#11

Acenaphthene

Concen: 6.80 ng

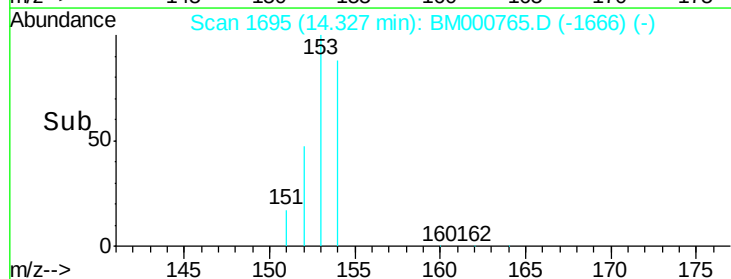
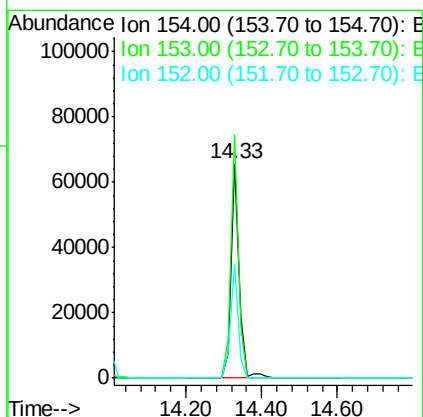
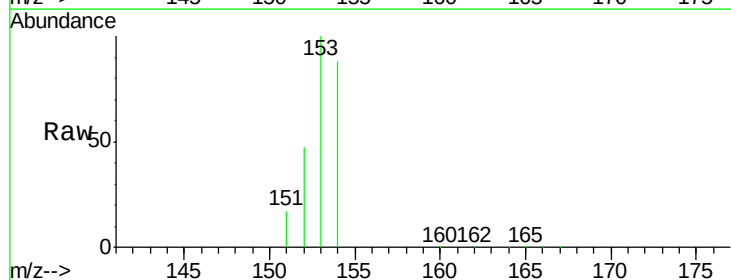
RT: 14.33 min Scan# 1695

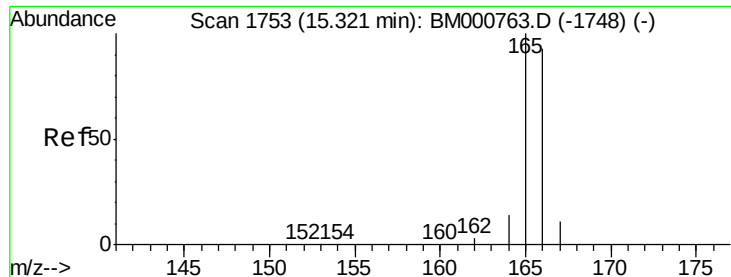
Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

Tgt Ion:	154	Resp:	98503
Ion	Ratio	Lower	Upper
154	100		
153	107.1	87.3	130.9
152	51.1	43.0	64.6





#12

Fluorene

Concen: 6.38 ng

RT: 15.32 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

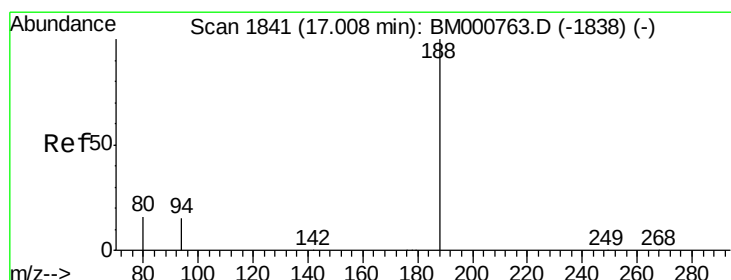
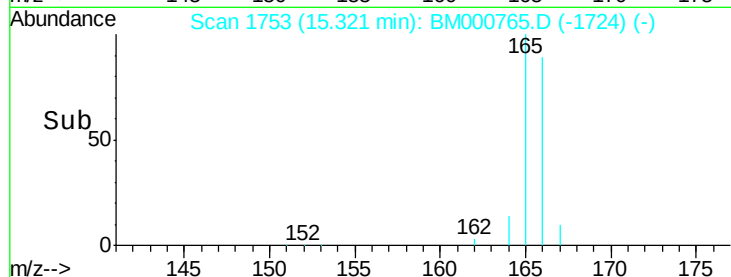
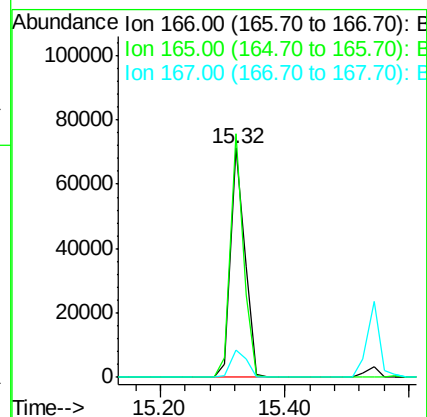
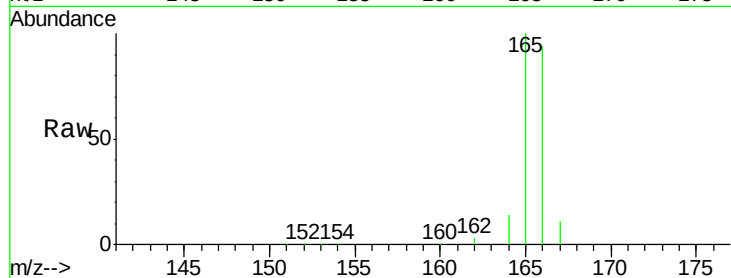
Tgt Ion:166 Resp: 113869

Ion Ratio Lower Upper

166 100

165 97.9 78.2 117.2

167 13.3 10.7 16.1



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

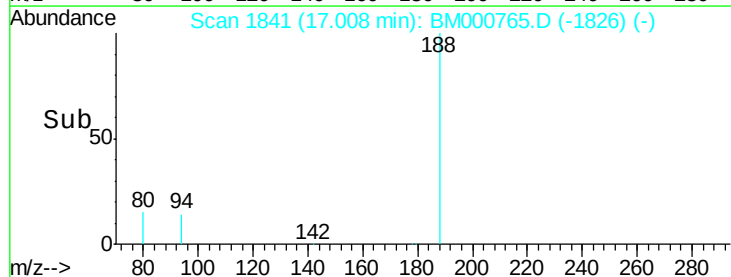
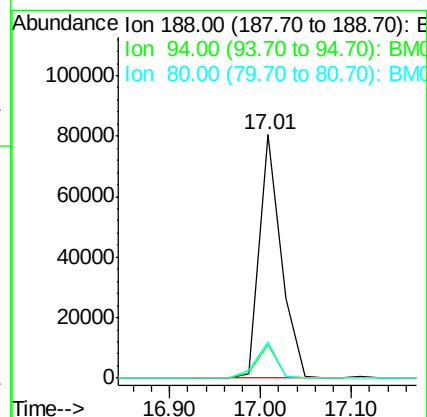
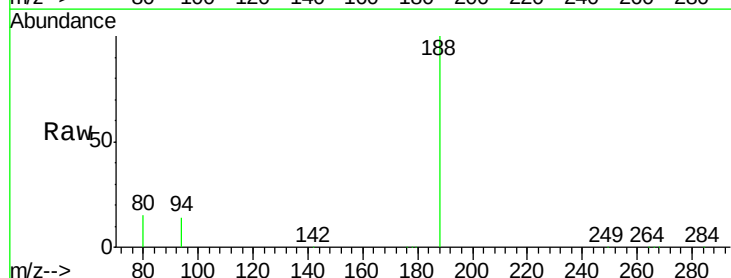
Tgt Ion:188 Resp: 134211

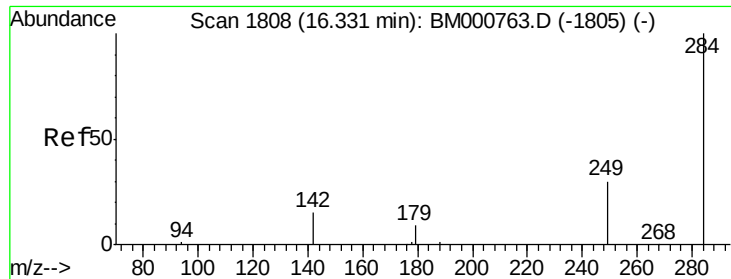
Ion Ratio Lower Upper

188 100

94 13.9 12.0 18.0

80 14.7 12.8 19.2

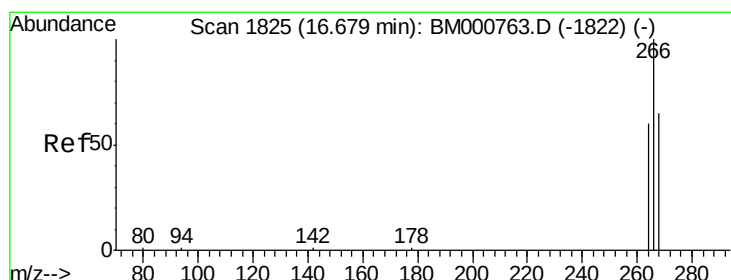
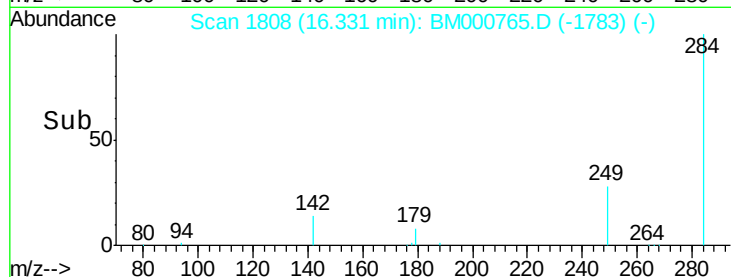
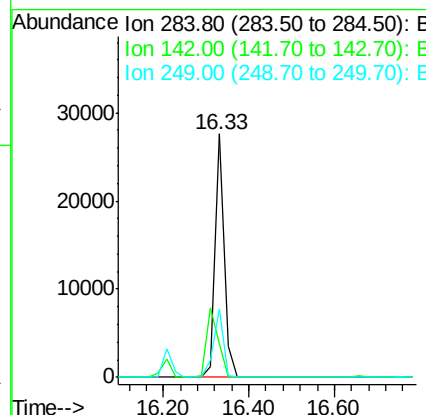
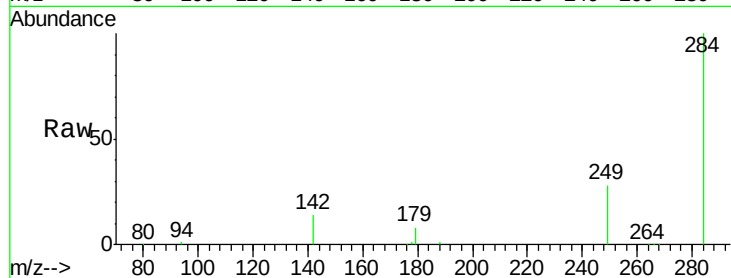




#14
Hexachlorobenzene
Concen: 8.83 ng
RT: 16.33 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BM000765.D
Acq: 31 Mar 2015 22:26

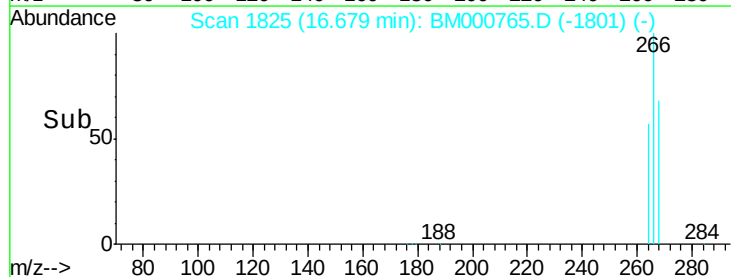
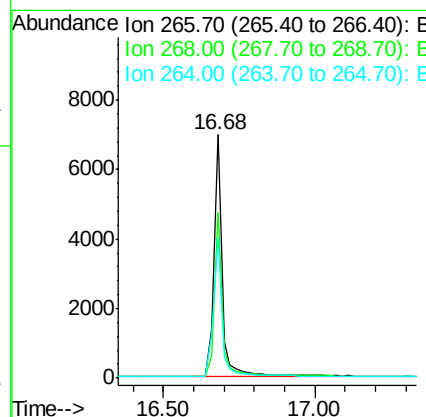
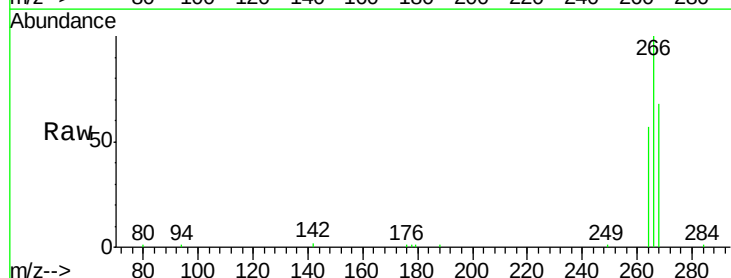
Instrument :
BNA_M
ClientSampleId :
SSTDIC005

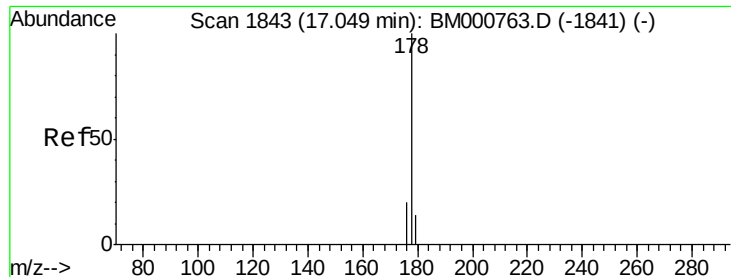
Tgt Ion:284 Resp: 39858
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 30.6 25.2 37.8



#15
Pentachlorophenol
Concen: 0.29 ng
RT: 16.68 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BM000765.D
Acq: 31 Mar 2015 22:26

Tgt Ion:266 Resp: 13088
Ion Ratio Lower Upper
266 100
268 68.2 55.0 82.6
264 57.3 51.0 76.4

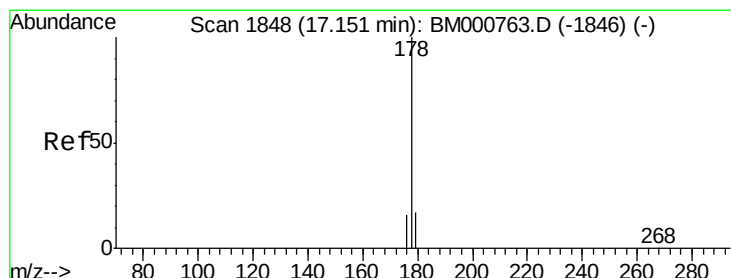
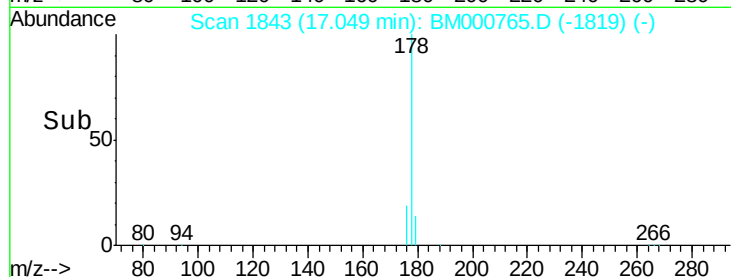
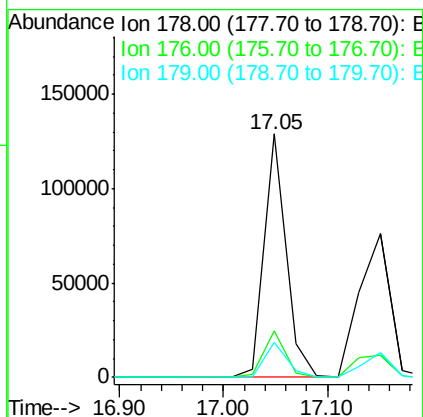
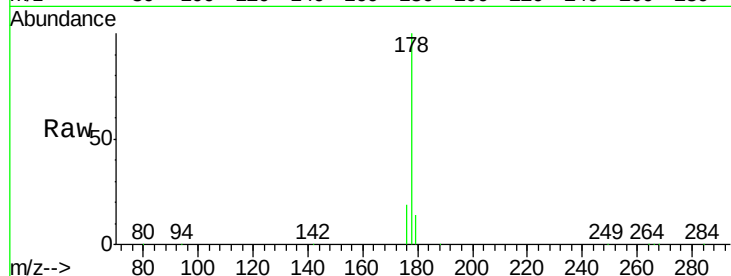




#16
Phenanthrene
Concen: 6.40 ng
RT: 17.05 min Scan# 1843
Delta R.T. -0.00 min
Lab File: BM000765.D
Acq: 31 Mar 2015 22:26

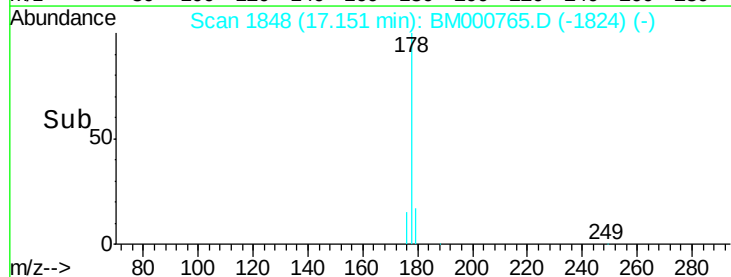
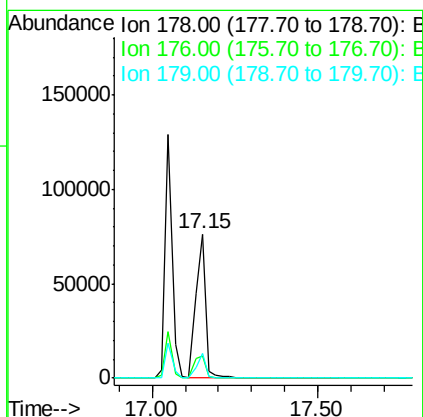
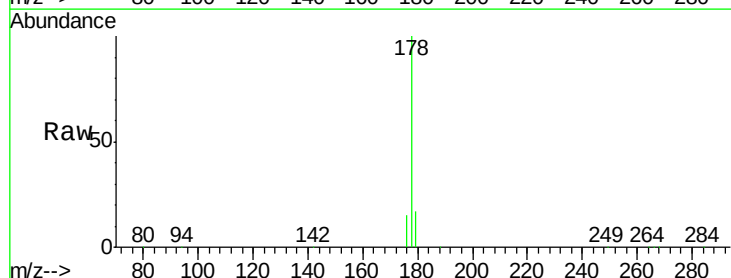
Instrument :
BNA_M
ClientSampleId :
SSTDIC005

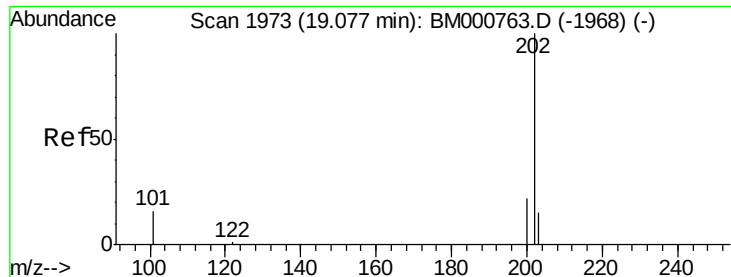
Tgt Ion:178 Resp: 186852
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.0 12.2 18.2



#17
Anthracene
Concen: 6.13 ng
RT: 17.15 min Scan# 1848
Delta R.T. -0.00 min
Lab File: BM000765.D
Acq: 31 Mar 2015 22:26

Tgt Ion:178 Resp: 158520
Ion Ratio Lower Upper
178 100
176 18.1 14.6 22.0
179 15.4 12.2 18.4

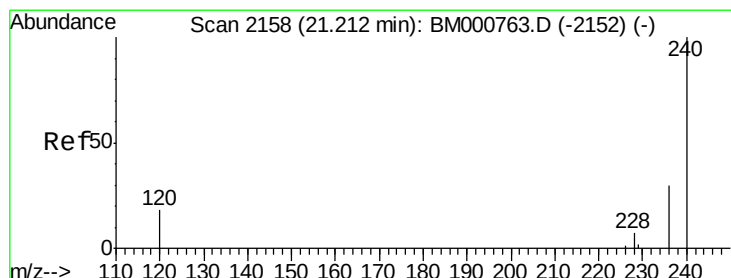
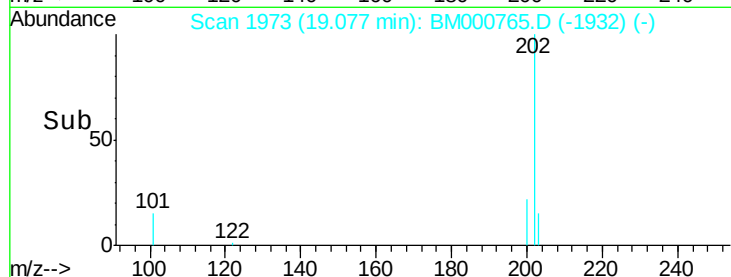
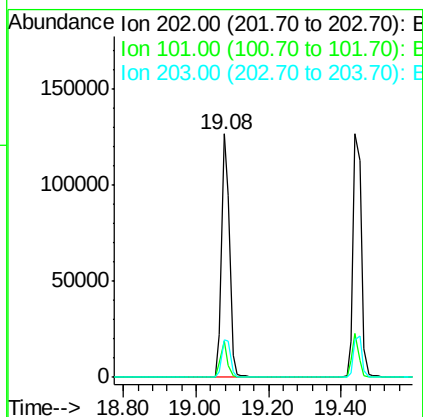
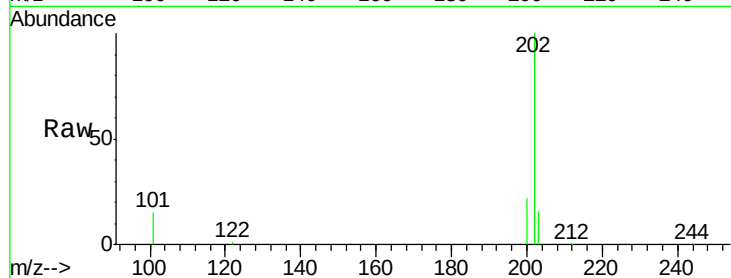




#18
 Fluoranthene
 Concen: 6.80 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: BM000765.D
 Acq: 31 Mar 2015 22:26

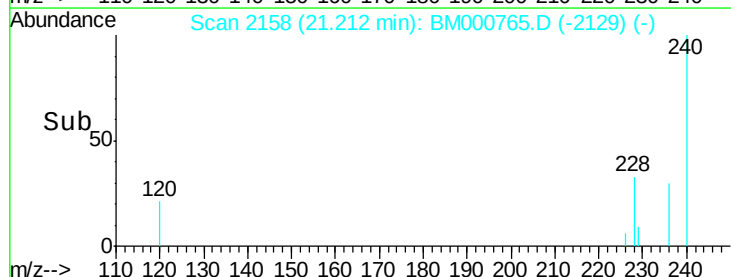
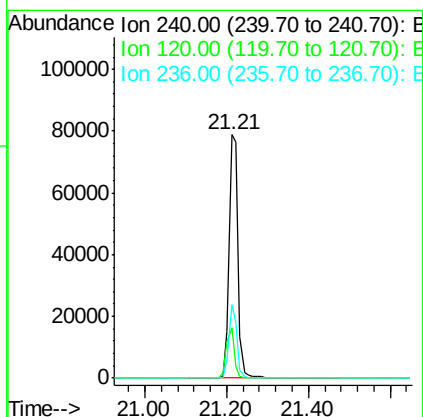
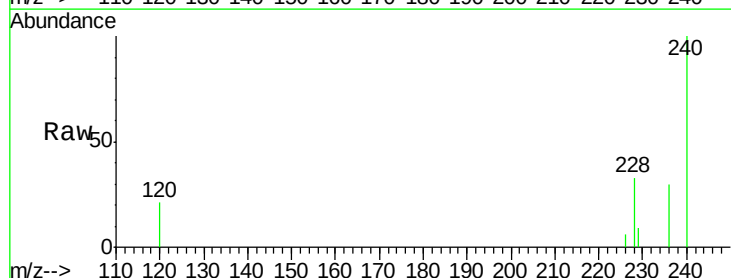
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

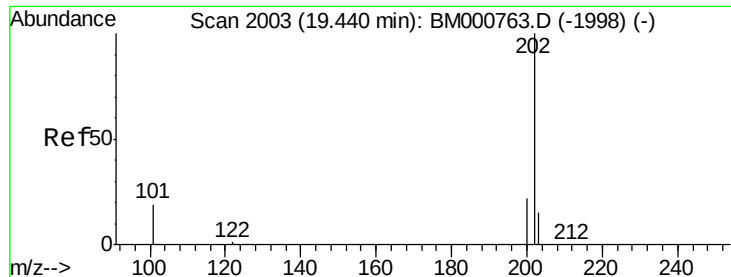
Tgt Ion: 202 Resp: 190073
 Ion Ratio Lower Upper
 202 100
 101 13.2 10.5 15.7
 203 17.1 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000765.D
 Acq: 31 Mar 2015 22:26

Tgt Ion: 240 Resp: 119114
 Ion Ratio Lower Upper
 240 100
 120 20.6 14.9 22.3
 236 30.3 24.2 36.4

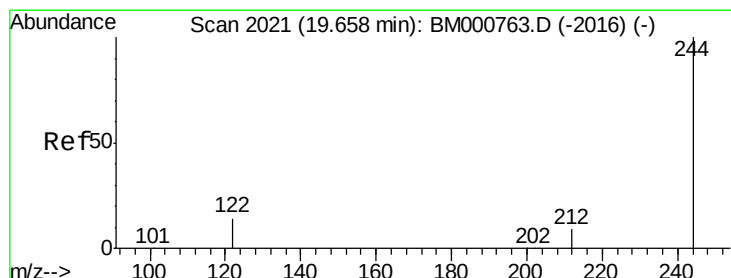
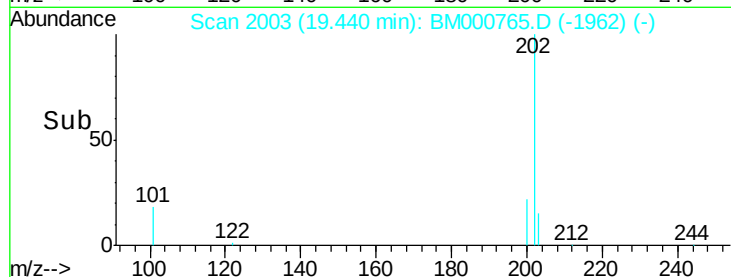
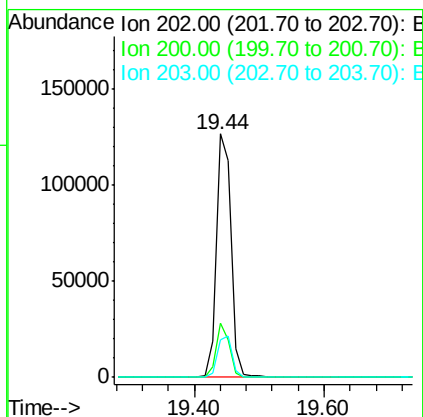
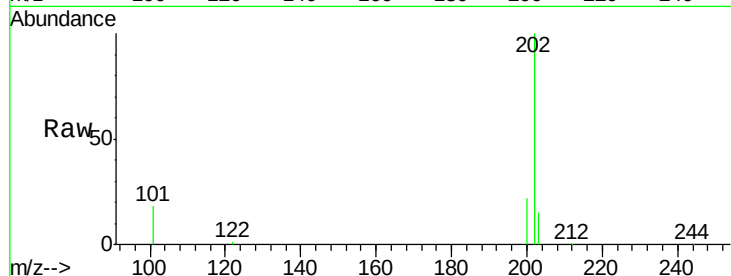




#20
Pyrene
Concen: 6.62 ng
RT: 19.44 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BM000765.D
Acq: 31 Mar 2015 22:26

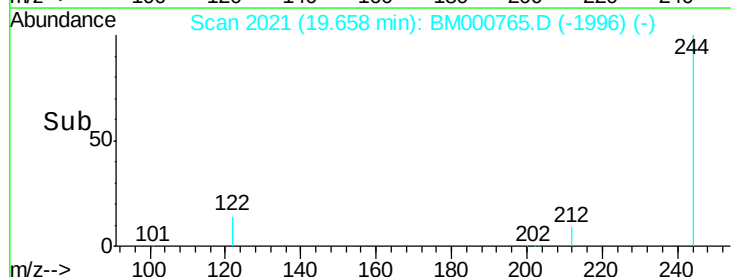
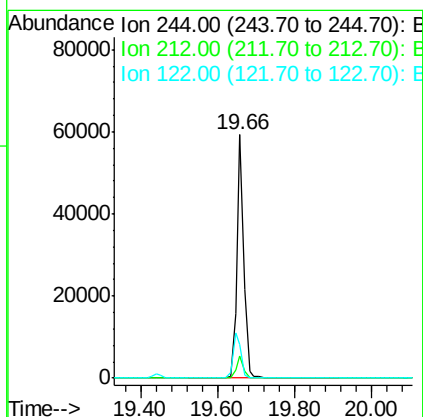
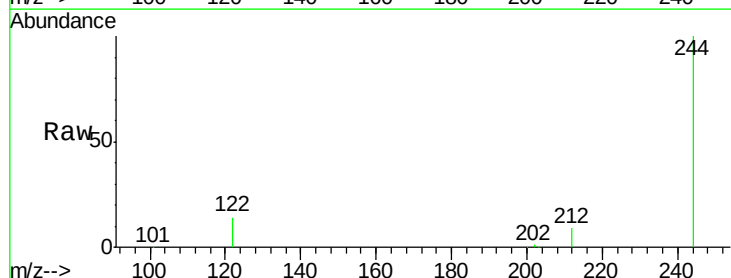
Instrument :
BNA_M
ClientSampleId :
SSTDIC005

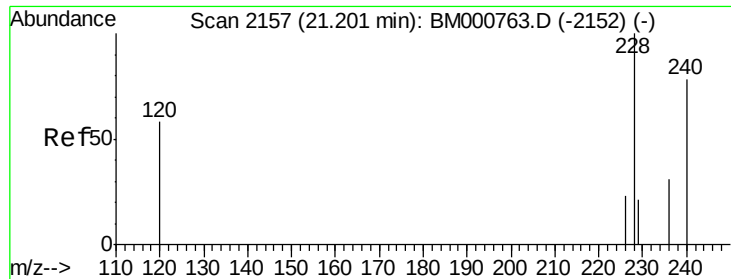
Tgt Ion: 202 Resp: 201744
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.2
203 17.2 13.9 20.9



#21
Terphenyl-d14
Concen: 4.30 ng
RT: 19.66 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BM000765.D
Acq: 31 Mar 2015 22:26

Tgt Ion: 244 Resp: 72890
Ion Ratio Lower Upper
244 100
212 9.2 7.8 11.6
122 13.7 11.8 17.8





#22

Benzo(a)anthracene

Concen: 7.48 ng

RT: 21.20 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

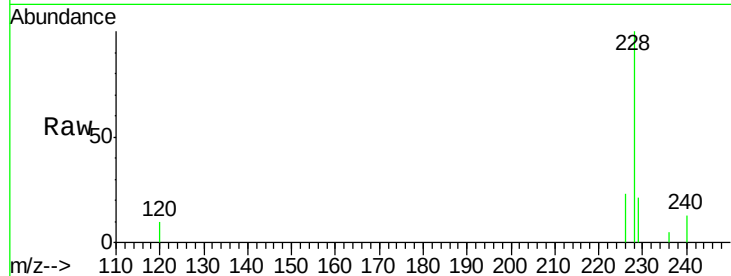
Tgt Ion:228 Resp: 176253

Ion Ratio Lower Upper

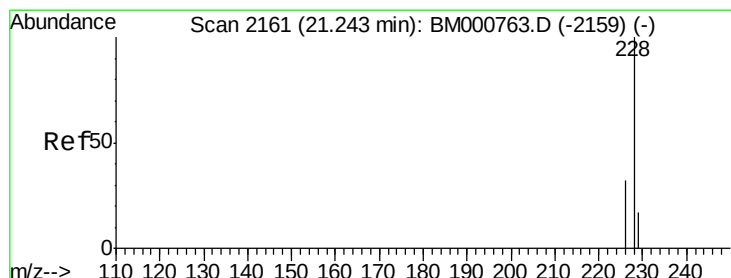
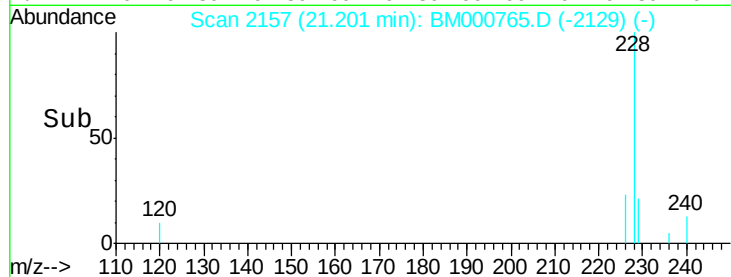
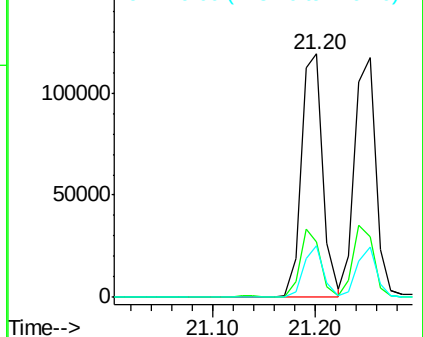
228 100

226 23.0 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: 6.95 ng

RT: 21.25 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

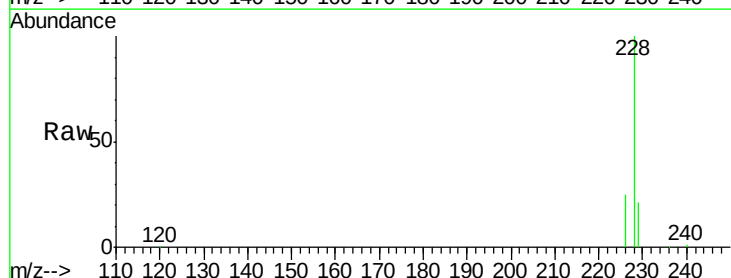
Tgt Ion:228 Resp: 173023

Ion Ratio Lower Upper

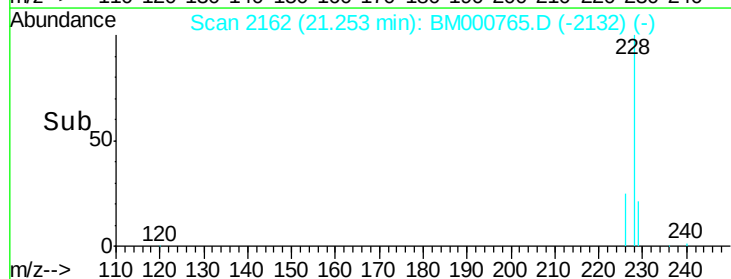
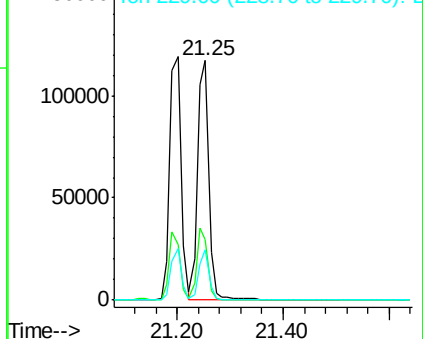
228 100

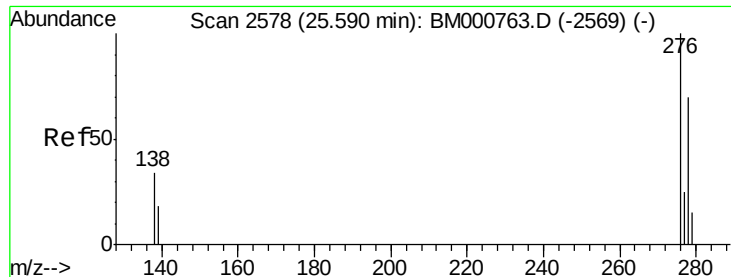
226 25.4 25.8 38.8#

229 21.0 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: 10.54 ng

RT: 25.59 min Scan# 2578

Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

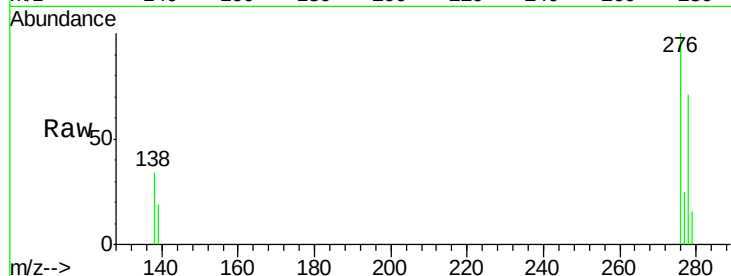
Tgt Ion: 276 Resp: 186967

Ion Ratio Lower Upper

276 100

138 34.6 27.4 41.2

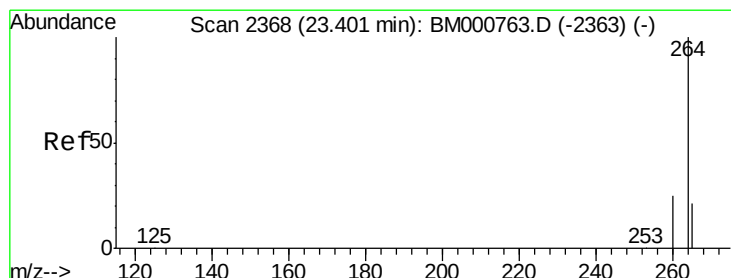
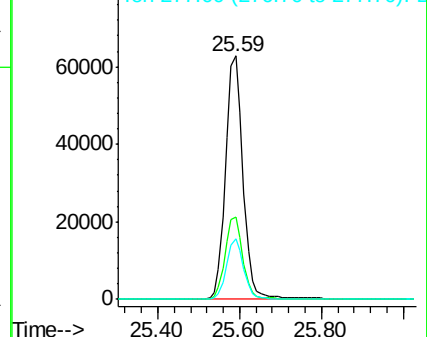
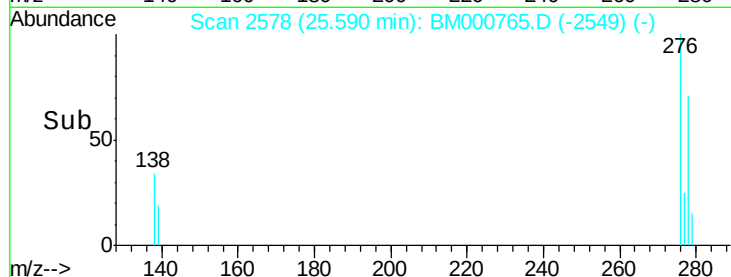
277 24.5 19.7 29.5



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: 23.40 min Scan# 2368

Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

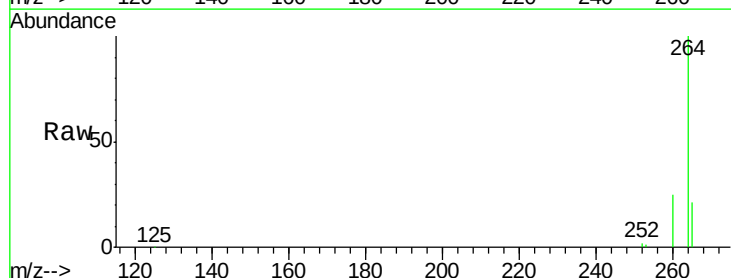
Tgt Ion: 264 Resp: 106119

Ion Ratio Lower Upper

264 100

260 25.3 20.1 30.1

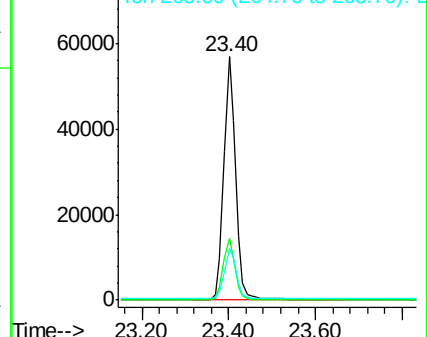
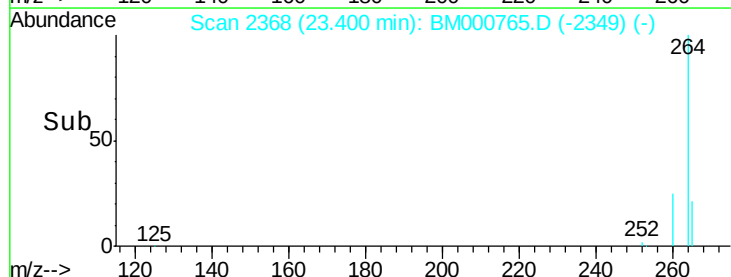
265 21.1 17.4 26.0

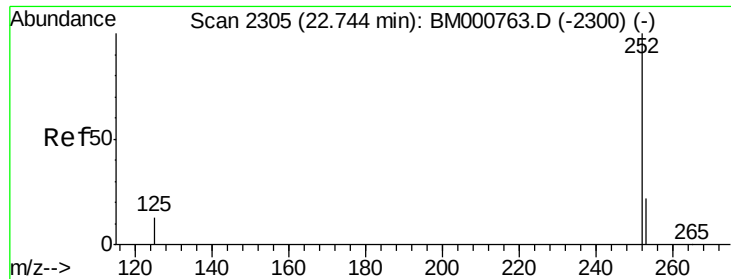


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#26

Benzo(b)fluoranthene

Concen: 8.55 ng

RT: 22.74 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

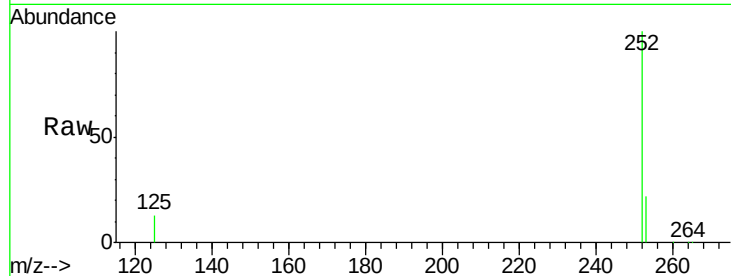
Tgt Ion:252 Resp: 173927

Ion Ratio Lower Upper

252 100

253 21.7 18.5 27.7

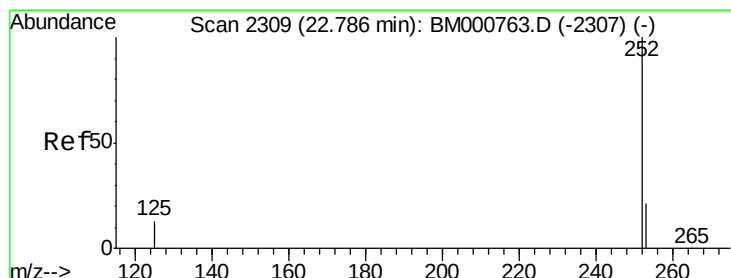
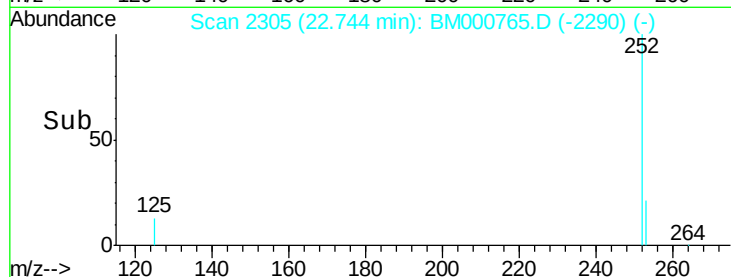
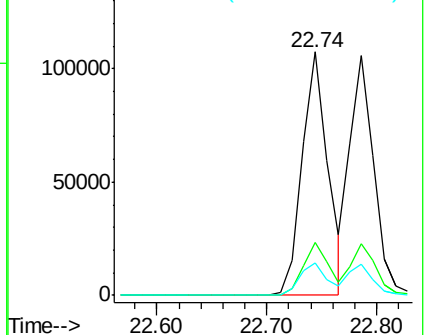
125 13.1 10.6 16.0



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



#27

Benzo(k)fluoranthene

Concen: 6.83 ng

RT: 22.79 min Scan# 2309

Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

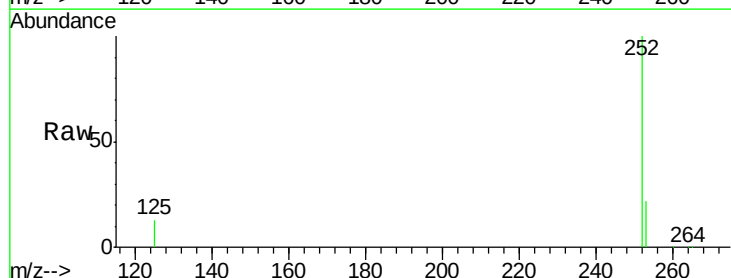
Tgt Ion:252 Resp: 163640

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

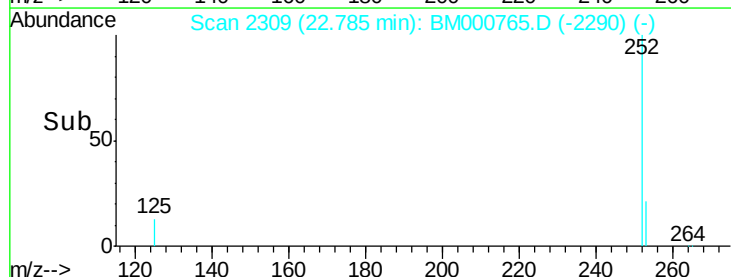
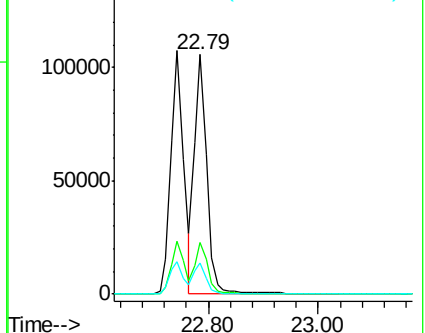
125 13.1 10.8 16.2

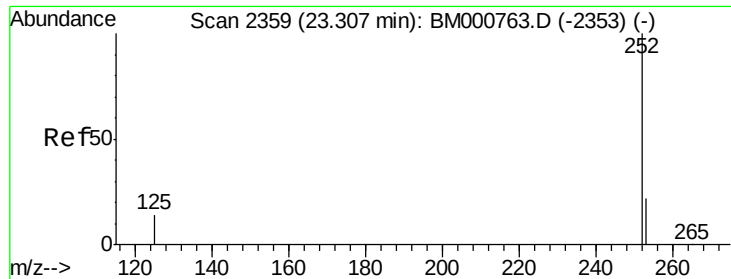


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#28

Benzo(a)pyrene

Concen: 8.58 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

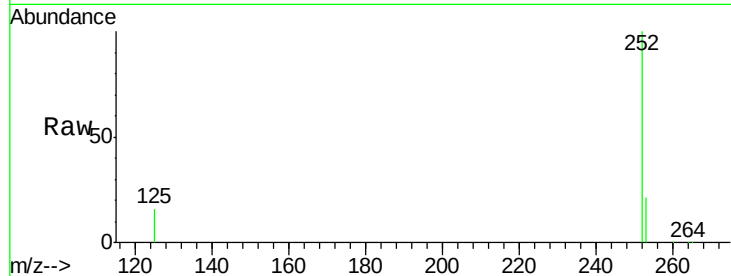
Tgt Ion:252 Resp: 154769

Ion Ratio Lower Upper

252 100

253 20.5 19.4 29.2

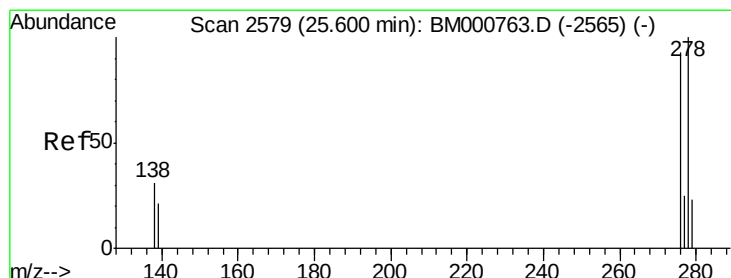
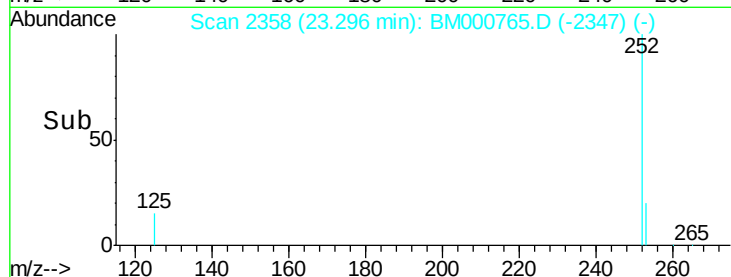
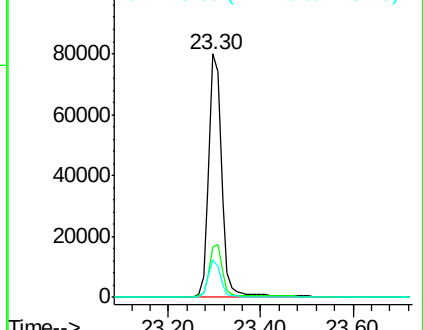
125 15.5 11.5 17.3



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: 10.86 ng

RT: 25.60 min Scan# 2579

Delta R.T. -0.00 min

Lab File: BM000765.D

Acq: 31 Mar 2015 22:26

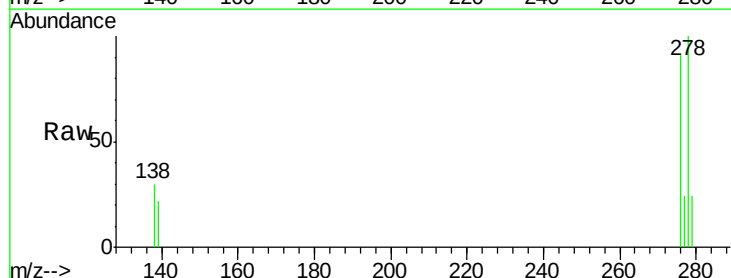
Tgt Ion:278 Resp: 147372

Ion Ratio Lower Upper

278 100

139 22.5 17.8 26.6

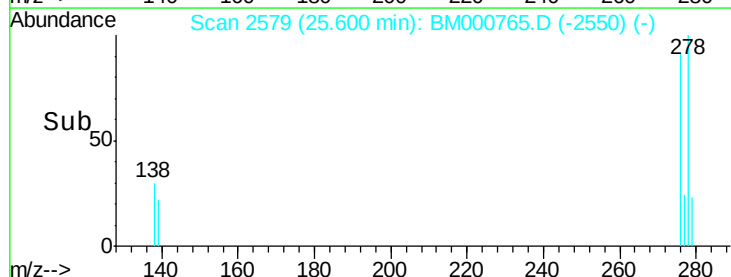
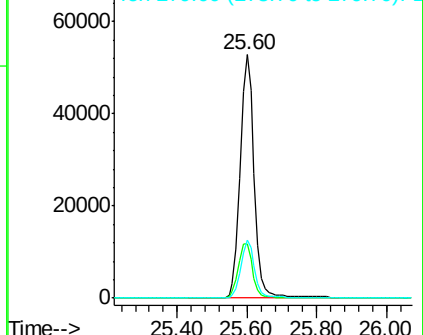
279 23.7 19.3 28.9

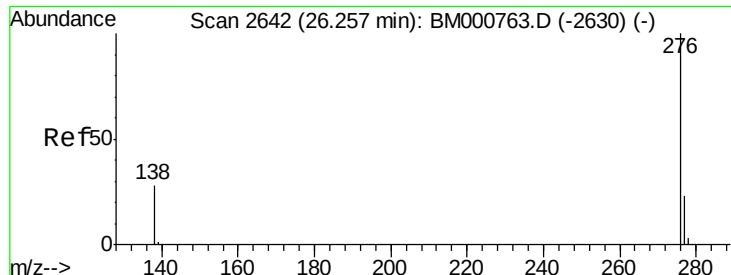


Abundance Ion 278.00 (277.70 to 278.70): E

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: 8.88 ng

RT: 26.26 min Scan# 2642

Delta R.T. -0.00 min

Lab File: BM000765.D

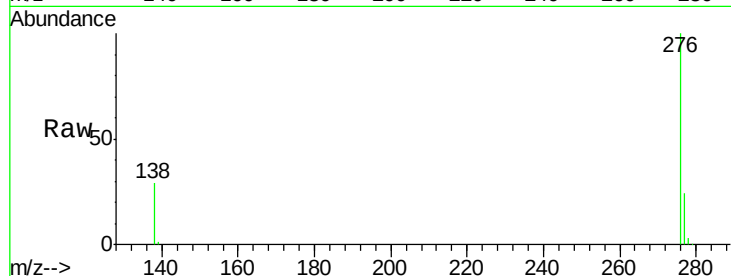
Acq: 31 Mar 2015 22:26

Instrument :

BNA_M

ClientSampleId :

SSTDIC005



Tgt Ion: 276 Resp: 153680

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 28.8 23.1 34.7

