

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000767.D
 Acq On : 31 Mar 2015 23:37
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICV001

Quant Time: Apr 01 03:29:38 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 04:17:30 2015
 Response via : Initial Calibration

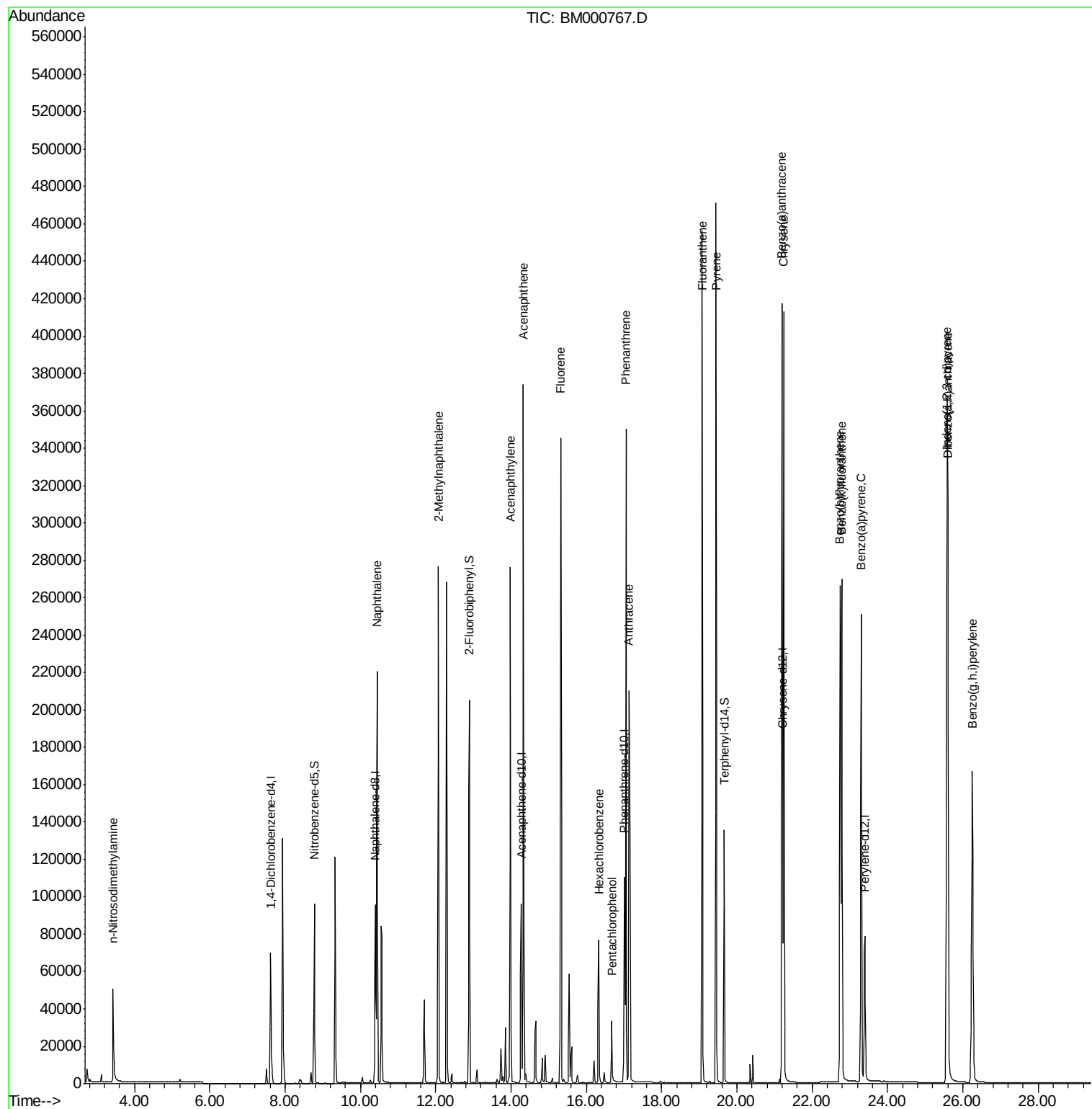
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	35159	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	122766	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	62261	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	132259	5.00	ng	0.00
19) Chrysene-d12	21.22	240	115062	5.00	ng	0.00
25) Perylene-d12	23.40	264	103587	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	77750	10.26	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	197249	10.21	ng	0.00
21) Terphenyl-d14	19.66	244	148080	10.70	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.43	42	40825	10.19	ng	# 97
6) Naphthalene	10.45	128	295293	10.35	ng	99
7) 2-Methylnaphthalene	12.07	142	193741	10.75	ng	96
10) Acenaphthylene	13.98	152	333245	12.09	ng	100
11) Acenaphthene	14.33	154	199177	10.44	ng	96
12) Fluorene	15.32	166	228796	10.70	ng	100
14) Hexachlorobenzene	16.33	284	80962	10.45	ng	# 95
15) Pentachlorophenol	16.68	266	32044	9.40	ng	91
16) Phenanthrene	17.05	178	373010	10.29	ng	99
17) Anthracene	17.13	178	329020	10.84	ng	99
18) Fluoranthene	19.08	202	390336	10.90	ng	100
20) Pyrene	19.44	202	409694	10.92	ng	100
22) Benzo(a)anthracene	21.19	228	370398	11.27	ng	92
23) Chrysene	21.25	228	350313	10.17	ng	97
24) Indeno(1,2,3-cd)pyrene	25.58	276	393089	11.02	ng	99
26) Benzo(b)fluoranthene	22.74	252	387792	11.88	ng	95
27) Benzo(k)fluoranthene	22.79	252	315200	10.07	ng	99
28) Benzo(a)pyrene	23.30	252	326648	11.66	ng	96
29) Dibenzo(a,h)anthracene	25.60	278	308140	11.14	ng	99
30) Benzo(g,h,i)perylene	26.26	276	321988	10.79	ng	99

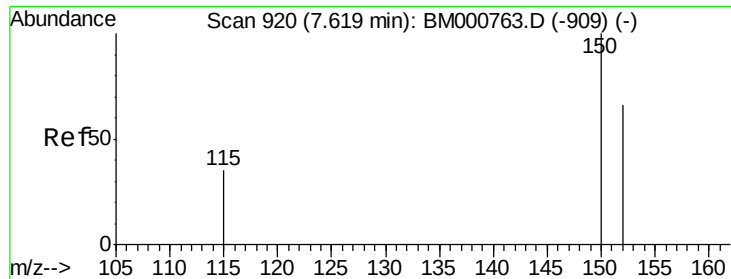
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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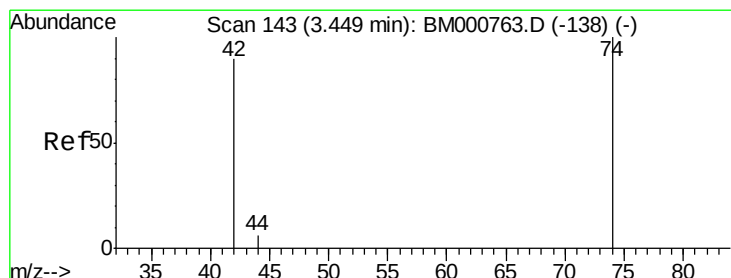
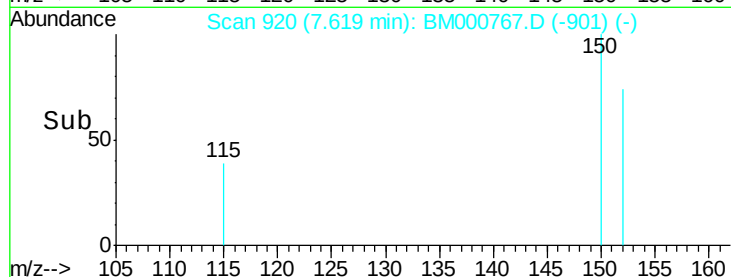
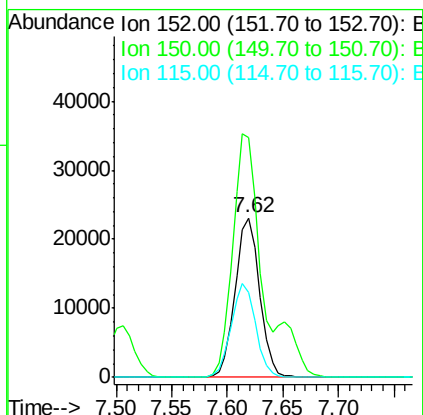
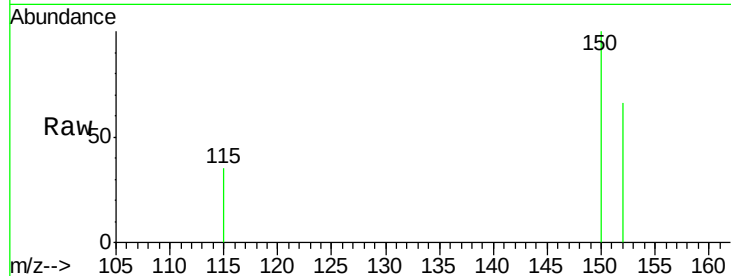


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 920
Delta R.T. -0.00 min
Lab File: BM000767.D
Acq: 31 Mar 2015 23:37

Instrument :
BNA_M
ClientSampleId :
SSTDICV001

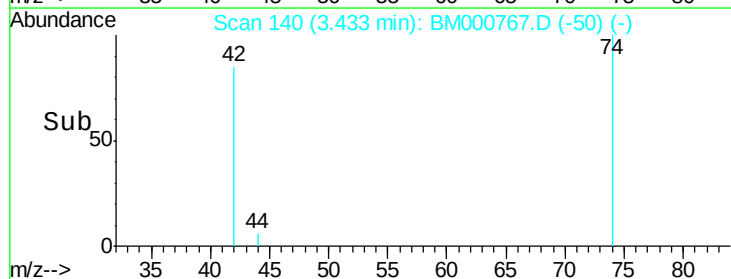
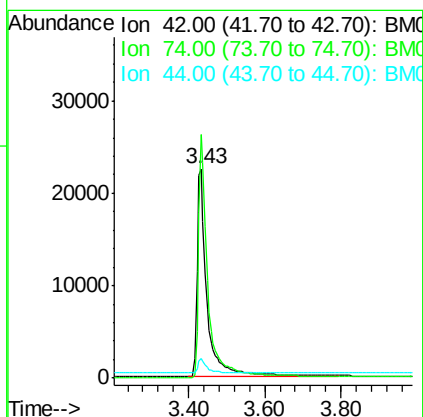
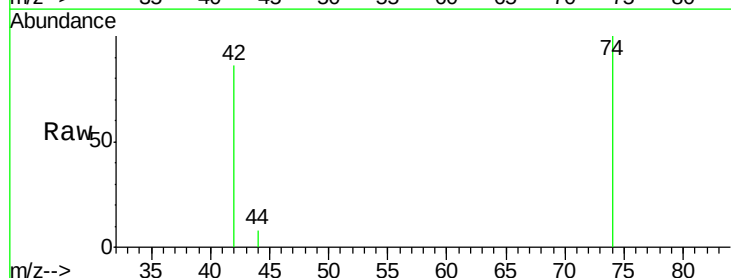
Tgt Ion:152 Resp: 35159
Ion Ratio Lower Upper
152 100
150 150.7 120.8 181.2
115 53.0 42.7 64.1

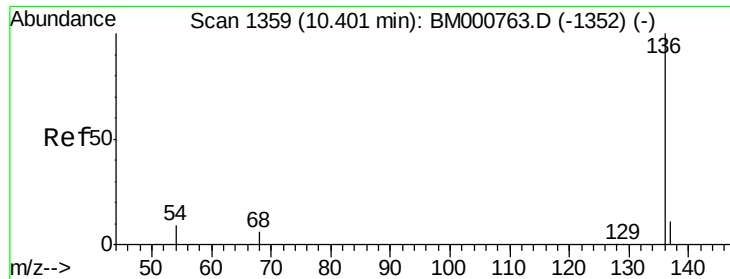


#3

n-Nitrosodimethylamine
Concen: 10.19 ng
RT: 3.43 min Scan# 140
Delta R.T. -0.02 min
Lab File: BM000767.D
Acq: 31 Mar 2015 23:37

Tgt Ion: 42 Resp: 40825
Ion Ratio Lower Upper
42 100
74 114.3 93.6 140.4
44 6.3 6.3 9.5#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.40 min Scan# 1359

Delta R.T. -0.00 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

Instrument :

BNA_M

ClientSampleId :

SSTDICV001

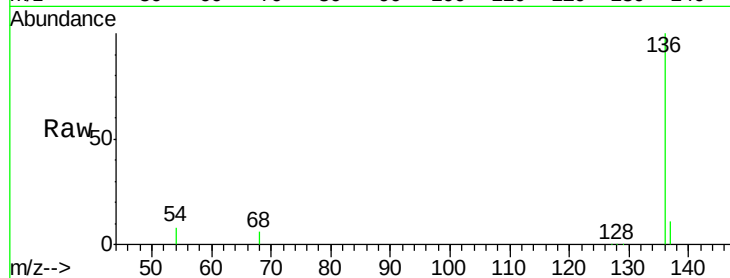
Tgt Ion: 136 Resp: 122766

Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

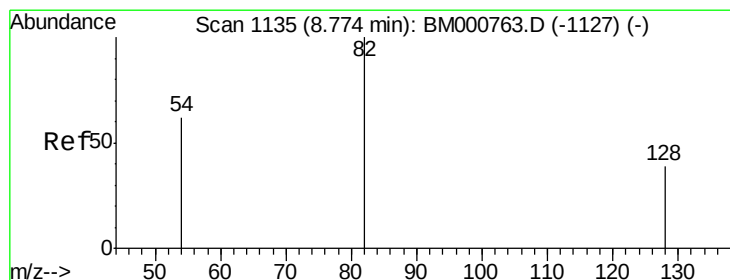
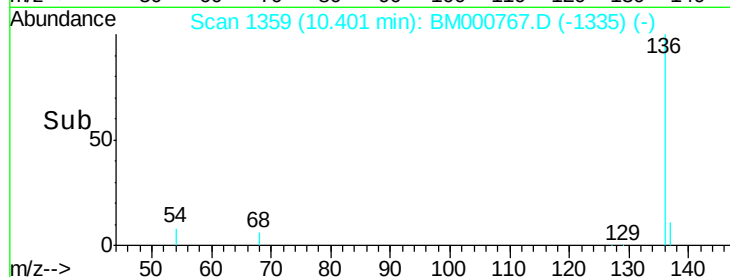
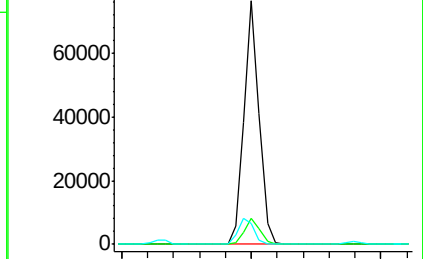
54 8.5 7.0 10.6



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: 10.26 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

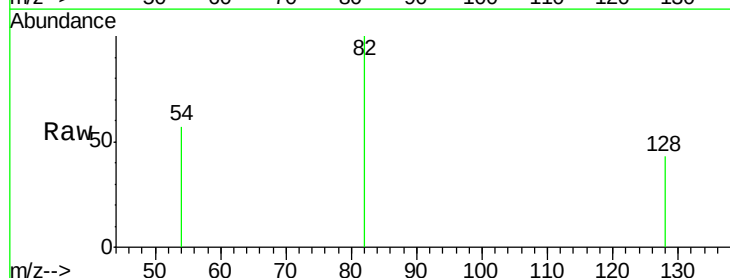
Tgt Ion: 82 Resp: 77750

Ion Ratio Lower Upper

82 100

128 43.1 32.2 48.2

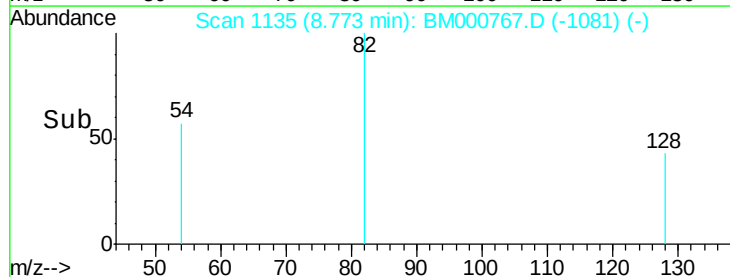
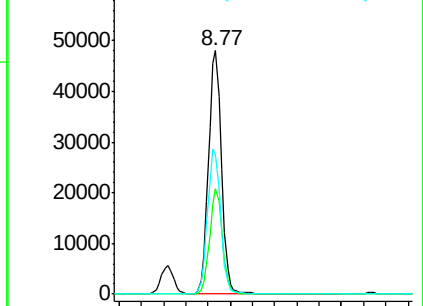
54 57.3 50.2 75.4

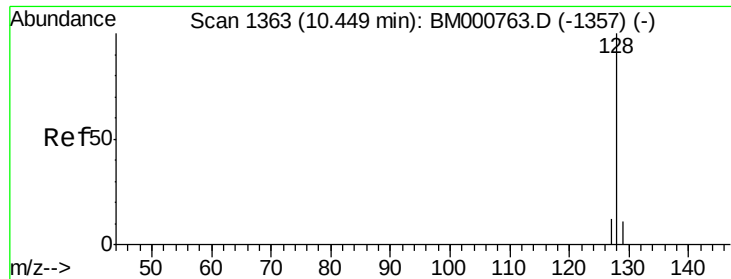


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#6

Naphthalene

Concen: 10.35 ng

RT: 10.45 min Scan# 1363

Delta R.T. -0.00 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

Instrument :

BNA_M

ClientSampleId :

SSTDICV001

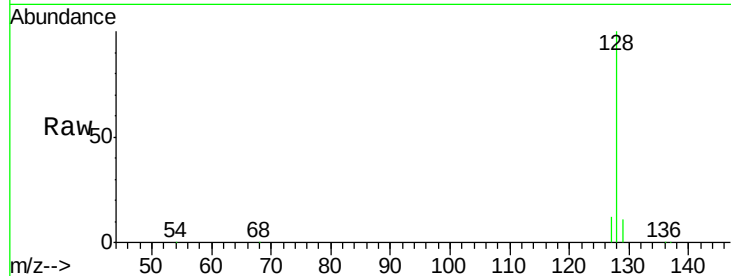
Tgt Ion:128 Resp: 295293

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

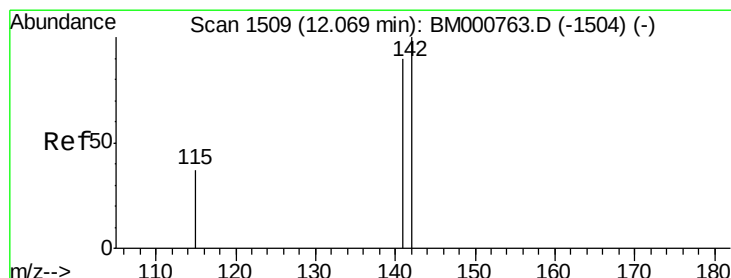
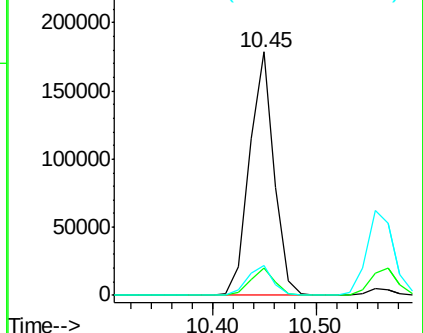
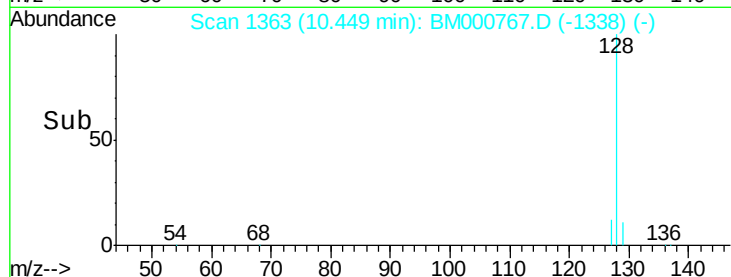
127 12.2 10.0 15.0



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: 10.75 ng

RT: 12.07 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

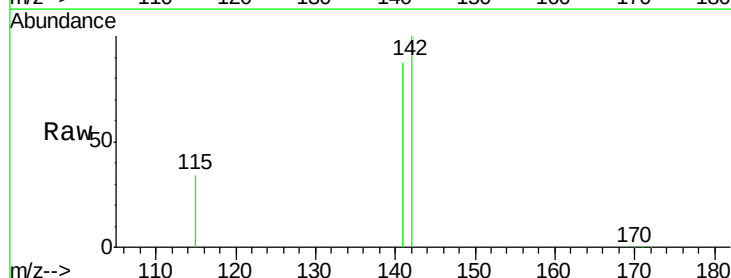
Tgt Ion:142 Resp: 193741

Ion Ratio Lower Upper

142 100

141 87.2 72.3 108.5

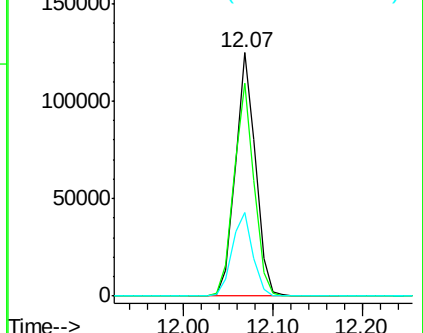
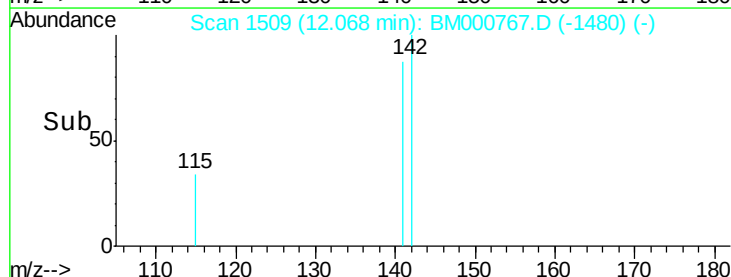
115 34.1 29.5 44.3

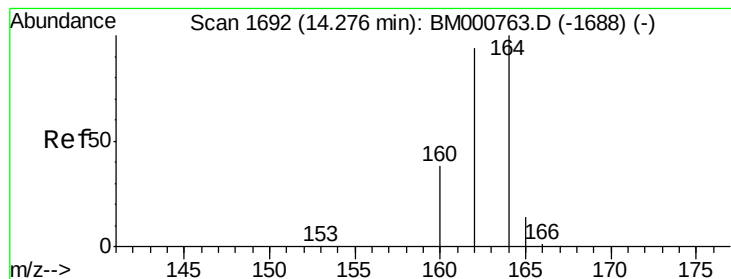


Abundance Ion 142.00 (141.70 to 142.70): E

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: BM000767.D

Acq: 31 Mar 2015 23:37

Instrument :

BNA_M

ClientSampleId :

SSTDICV001

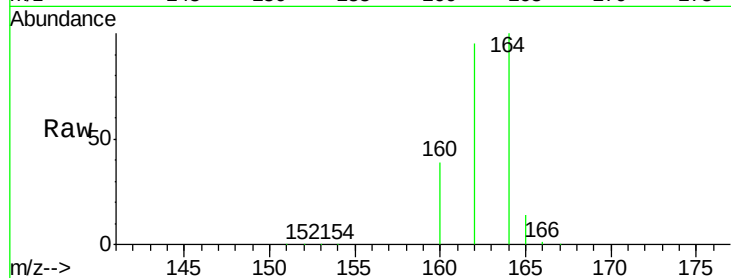
Tgt Ion:164 Resp: 62261

Ion Ratio Lower Upper

164 100

162 95.4 75.4 113.2

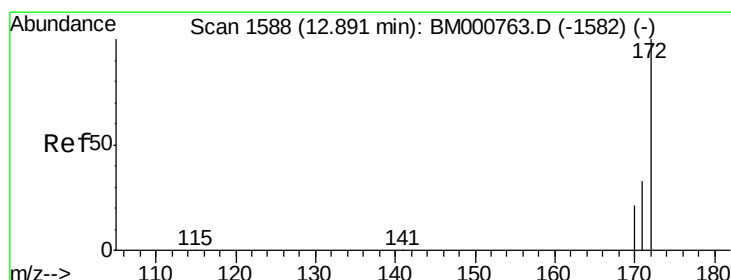
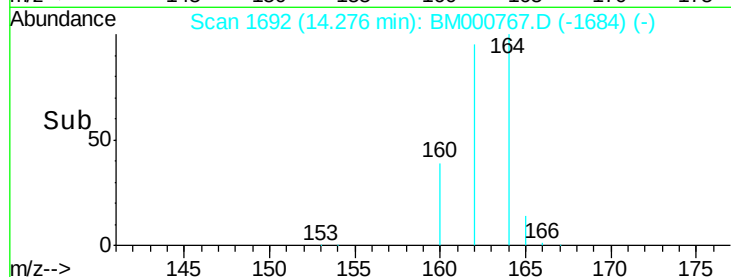
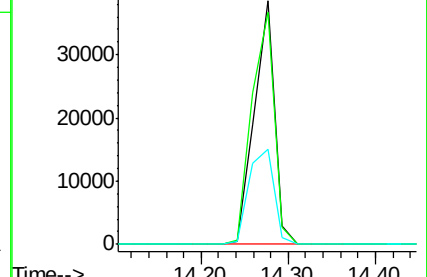
160 39.0 30.8 46.2



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: 10.21 ng

RT: 12.89 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

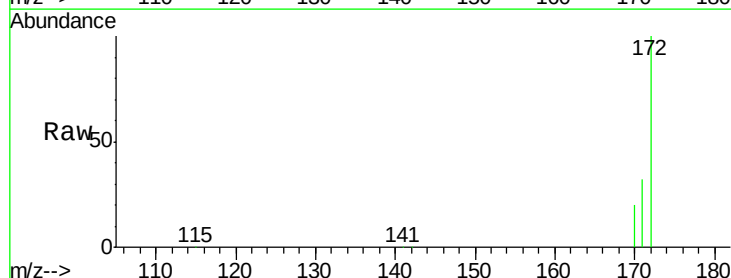
Tgt Ion:172 Resp: 197249

Ion Ratio Lower Upper

172 100

171 32.3 26.6 39.8

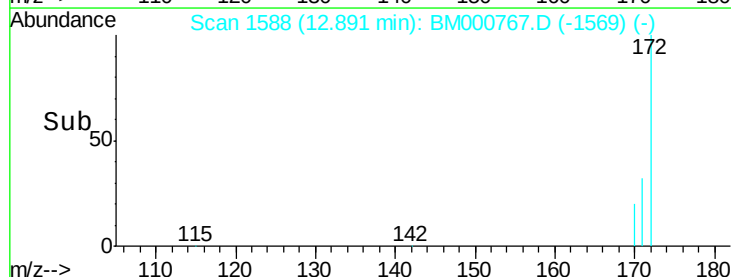
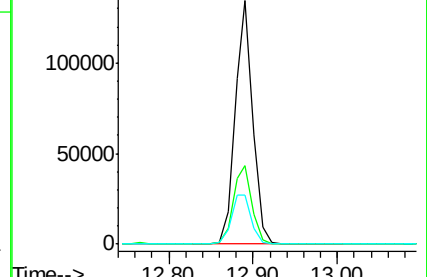
170 20.0 17.1 25.7

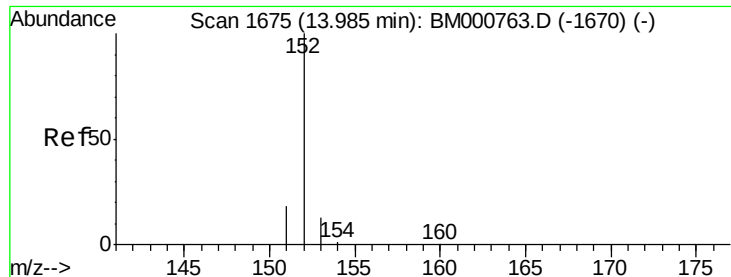


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthylene

Concen: 12.09 ng

RT: 13.98 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

Instrument :

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SSTDICV001

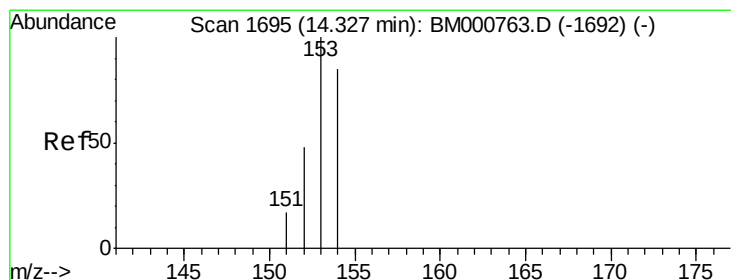
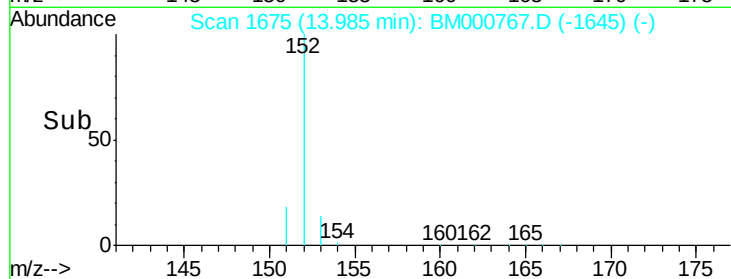
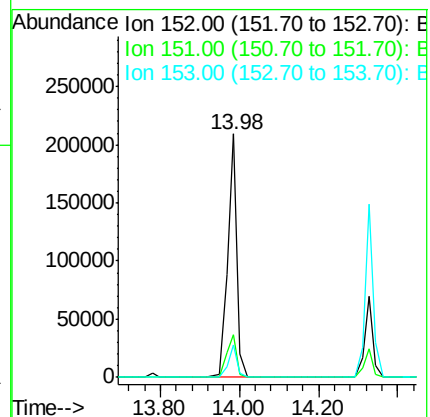
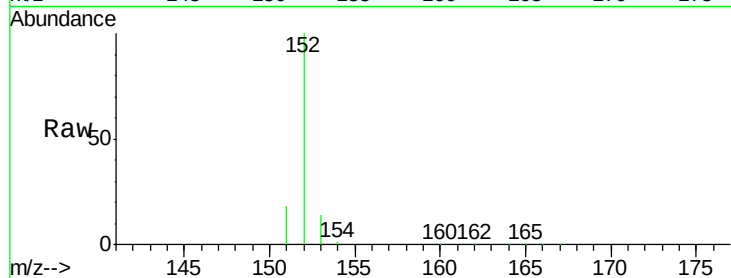
Tgt Ion:152 Resp: 333245

Ion Ratio Lower Upper

152 100

151 18.9 15.1 22.7

153 12.9 10.2 15.4



#11

Acenaphthene

Concen: 10.44 ng

RT: 14.33 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

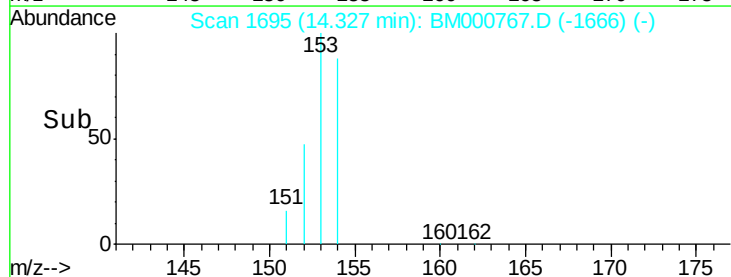
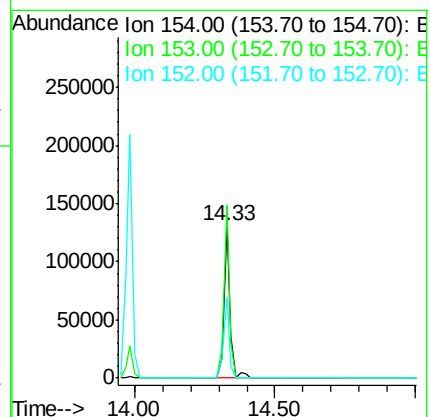
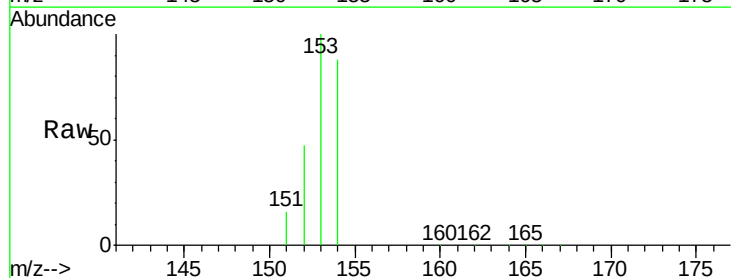
Tgt Ion:154 Resp: 199177

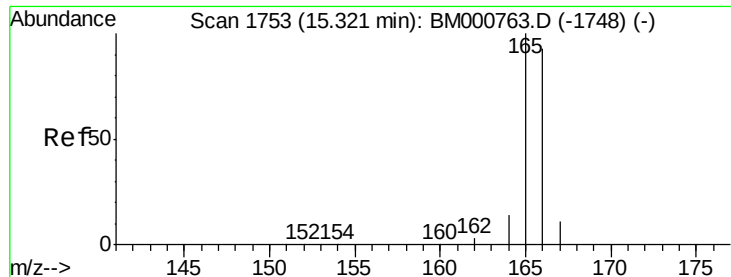
Ion Ratio Lower Upper

154 100

153 105.8 87.3 130.9

152 50.2 43.0 64.6





#12

Fluorene

Concen: 10.70 ng

RT: 15.32 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

Instrument :

BNA_M

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SSTDICV001

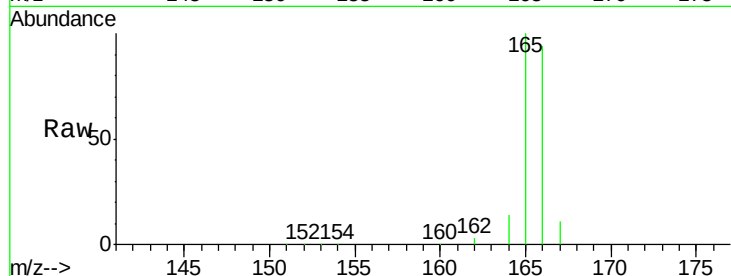
Tgt Ion:166 Resp: 228796

Ion Ratio Lower Upper

166 100

165 97.9 78.2 117.2

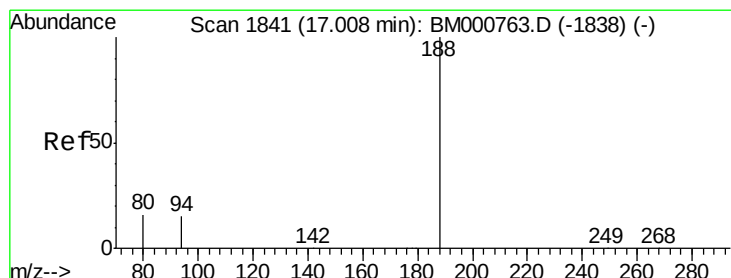
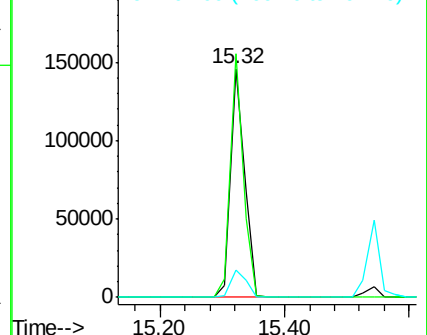
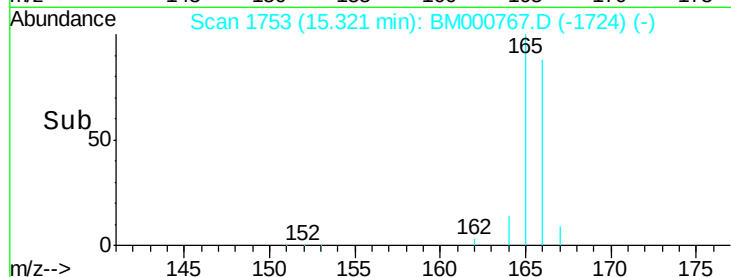
167 13.2 10.7 16.1



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: BM000767.D

Acq: 31 Mar 2015 23:37

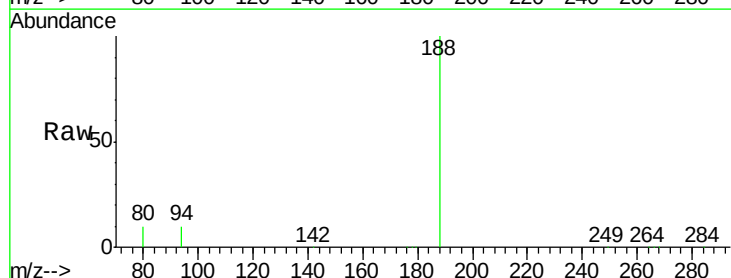
Tgt Ion:188 Resp: 132259

Ion Ratio Lower Upper

188 100

94 9.9 12.0 18.0#

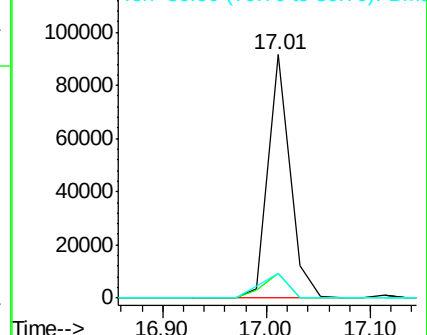
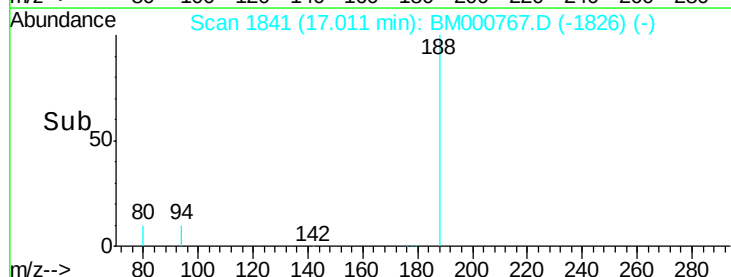
80 9.9 12.8 19.2#

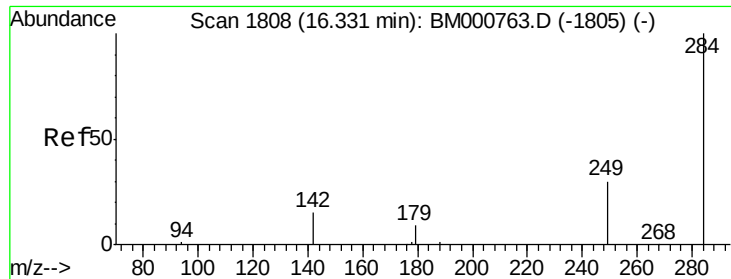


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

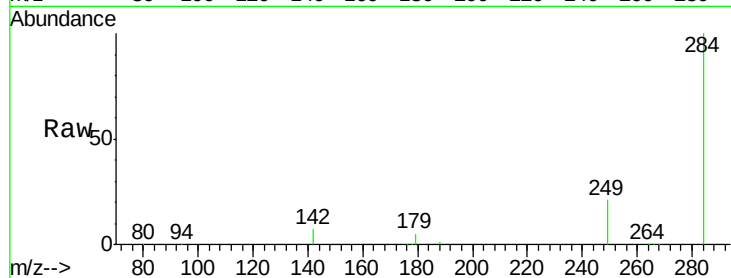




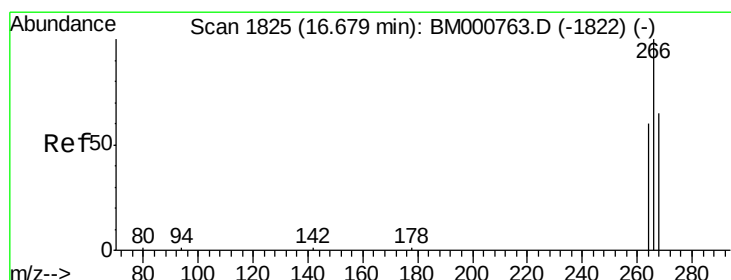
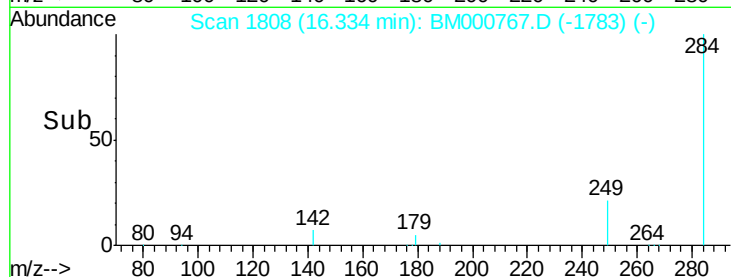
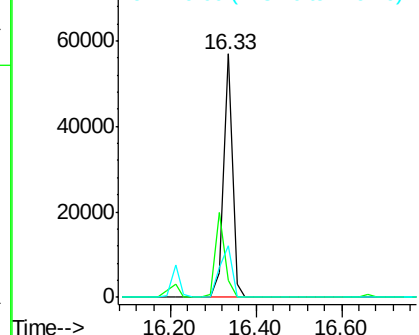
#14
Hexachlorobenzene
Concen: 10.45 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000767.D
Acq: 31 Mar 2015 23:37

Instrument :
BNA_M
ClientSampleId :
SSTDICV001

Tgt Ion: 284 Resp: 80962
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 29.0 25.2 37.8

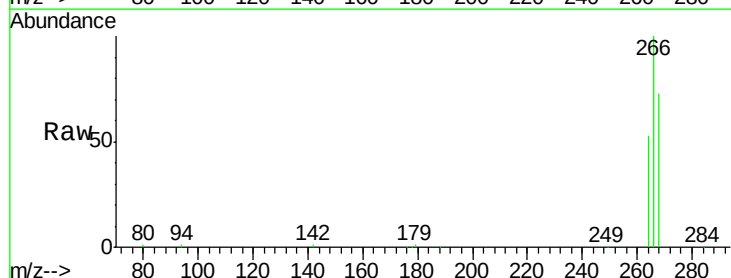


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

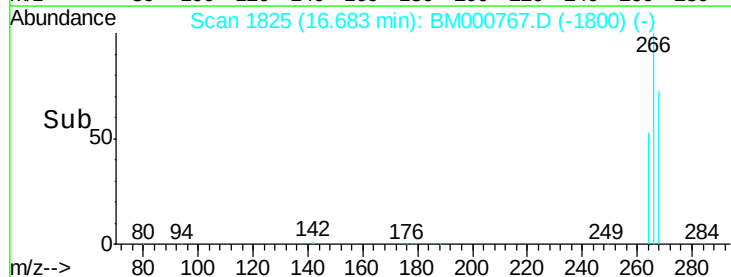
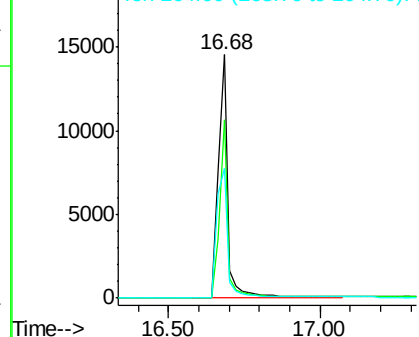


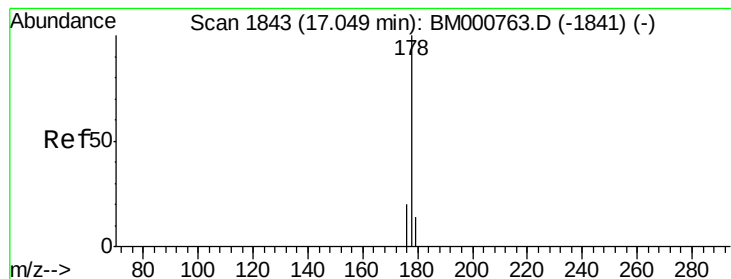
#15
Pentachlorophenol
Concen: 9.40 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM000767.D
Acq: 31 Mar 2015 23:37

Tgt Ion: 266 Resp: 32044
Ion Ratio Lower Upper
266 100
268 73.3 55.0 82.6
264 53.4 51.0 76.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#16

Phenanthrene

Concen: 10.29 ng

RT: 17.05 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

Instrument :

BNA_M

ClientSampleId :

SSTDICV001

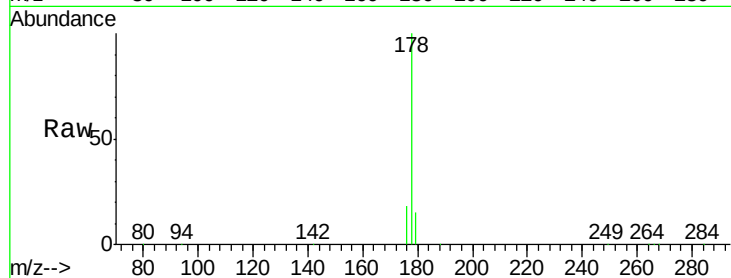
Tgt Ion:178 Resp: 373010

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

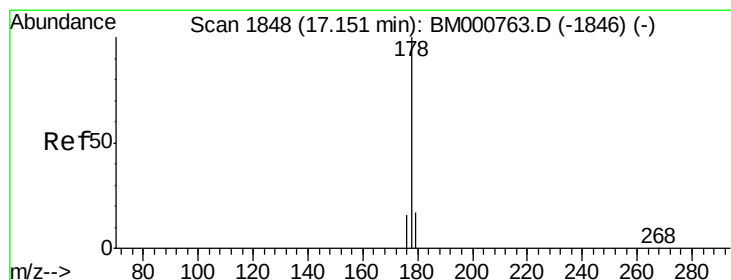
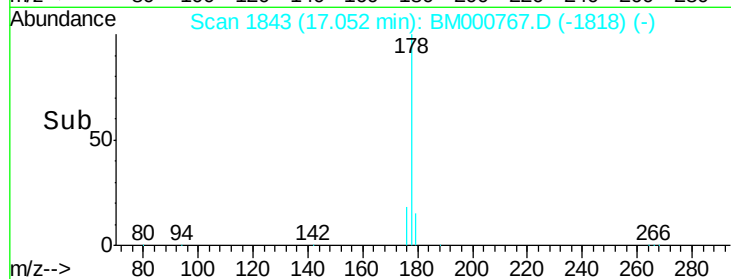
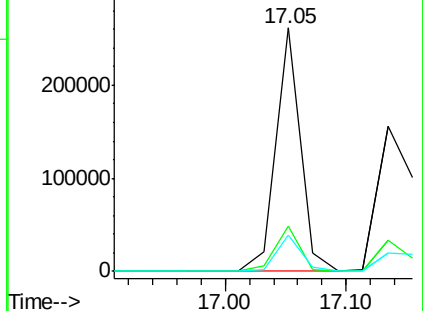
179 15.1 12.2 18.2



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: 10.84 ng

RT: 17.13 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

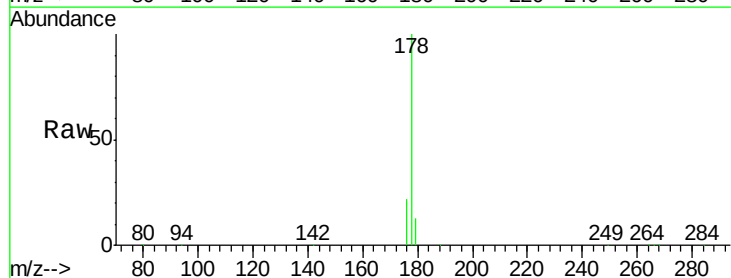
Tgt Ion:178 Resp: 329020

Ion Ratio Lower Upper

178 100

176 18.6 14.6 22.0

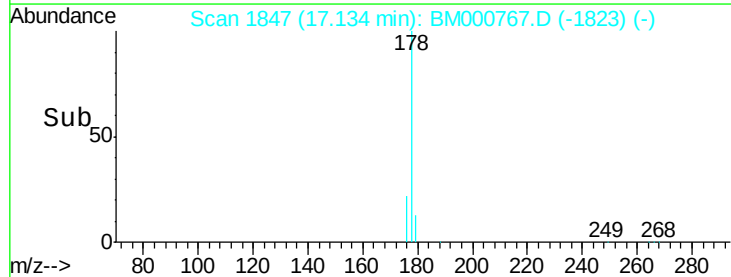
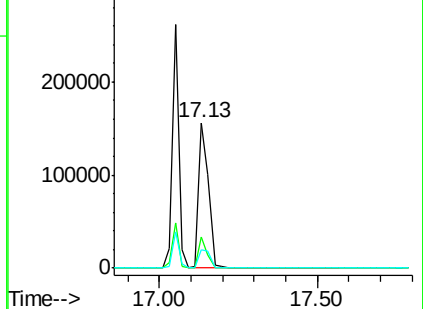
179 15.0 12.2 18.4

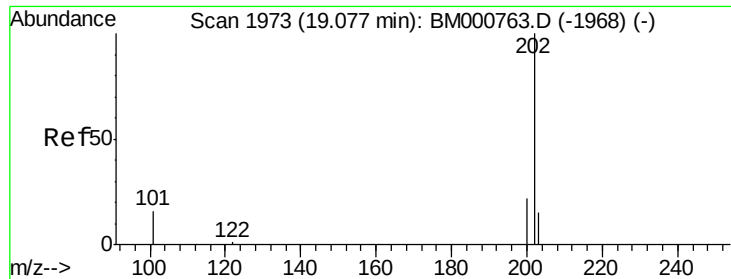


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

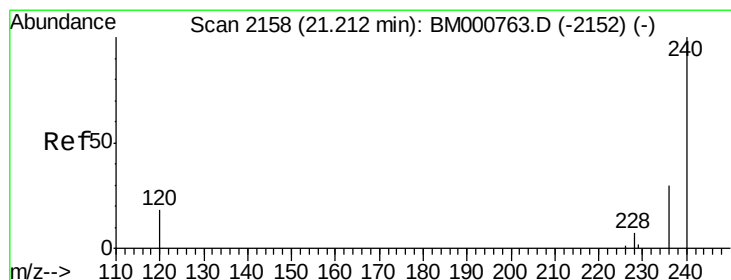
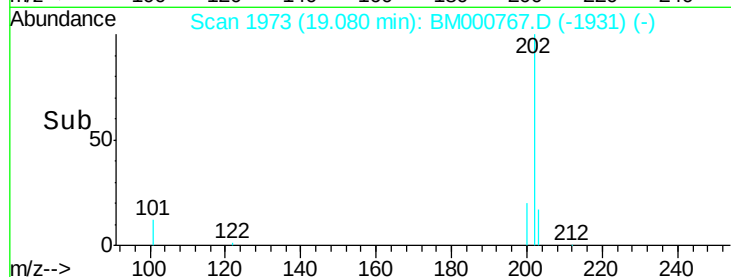
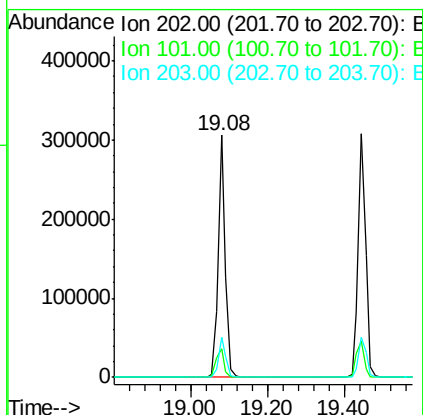
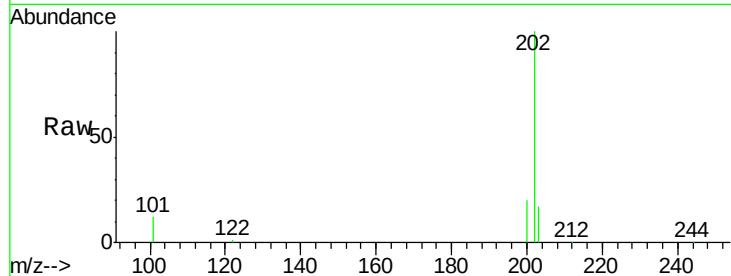




#18
 Fluoranthene
 Concen: 10.90 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BM000767.D
 Acq: 31 Mar 2015 23:37

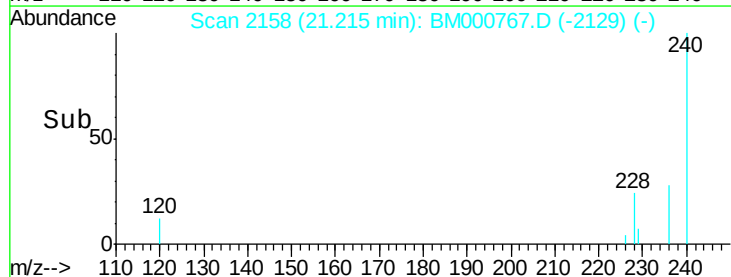
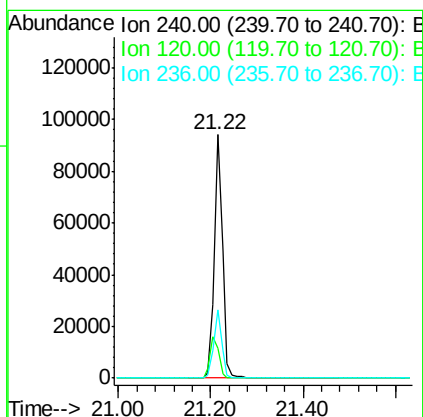
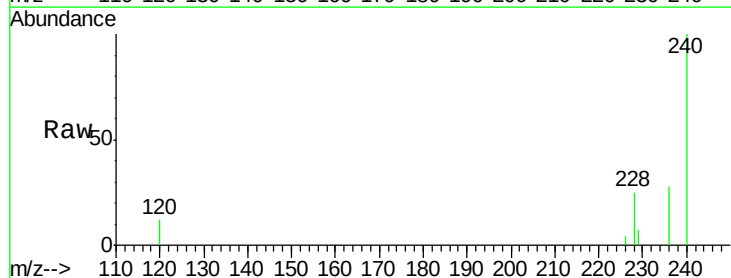
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICV001

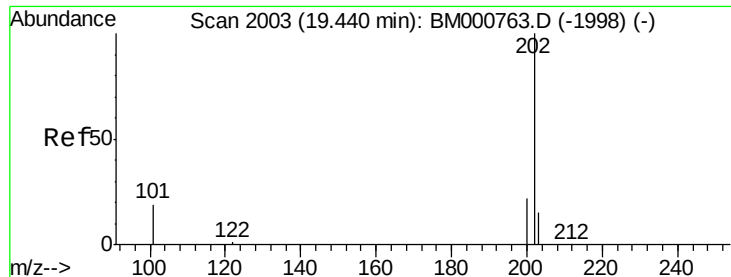
Tgt Ion: 202 Resp: 390336
 Ion Ratio Lower Upper
 202 100
 101 13.3 10.5 15.7
 203 17.3 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.22 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000767.D
 Acq: 31 Mar 2015 23:37

Tgt Ion: 240 Resp: 115062
 Ion Ratio Lower Upper
 240 100
 120 12.4 14.9 22.3#
 236 27.9 24.2 36.4

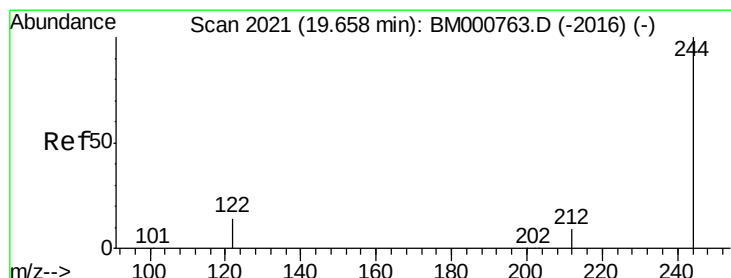
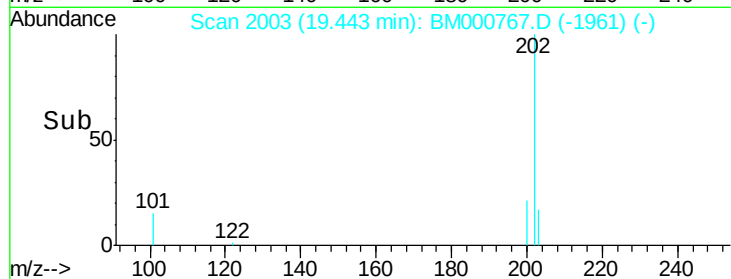
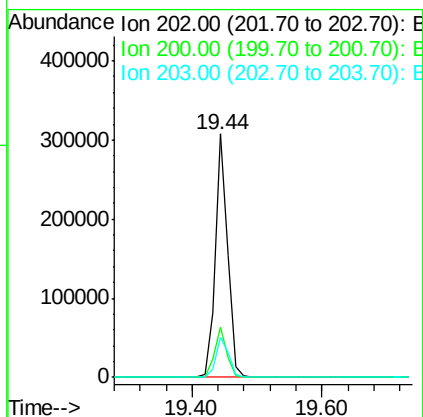
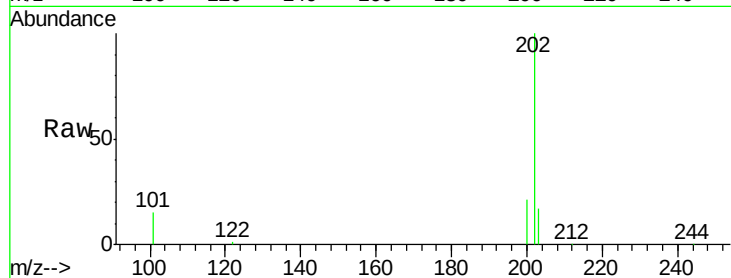




#20
Pyrene
Concen: 10.92 ng
RT: 19.44 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM000767.D
Acq: 31 Mar 2015 23:37

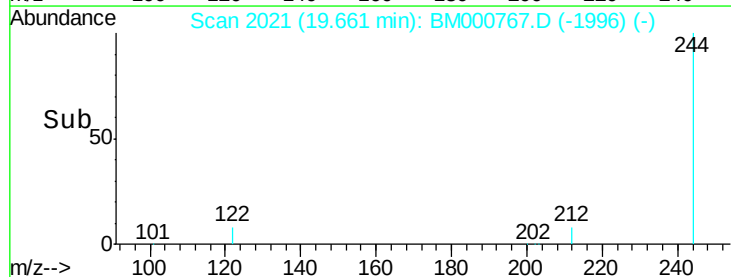
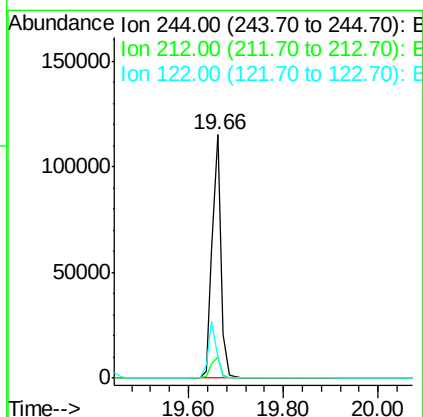
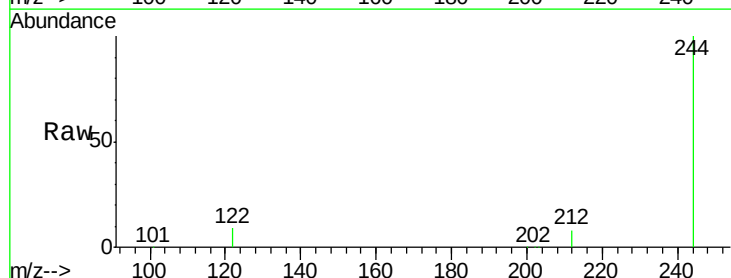
Instrument :
BNA_M
ClientSampleId :
SSTDICV001

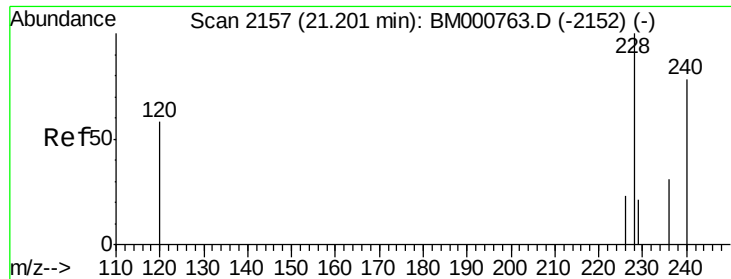
Tgt Ion:202 Resp: 409694
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.2
203 17.3 13.9 20.9



#21
Terphenyl-d14
Concen: 10.70 ng
RT: 19.66 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000767.D
Acq: 31 Mar 2015 23:37

Tgt Ion:244 Resp: 148080
Ion Ratio Lower Upper
244 100
212 8.5 7.8 11.6
122 8.5 11.8 17.8#





#22

Benzo(a)anthracene

Concen: 11.27 ng

RT: 21.19 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

Instrument :

BNA_M

ClientSampleId :

SSTDICV001

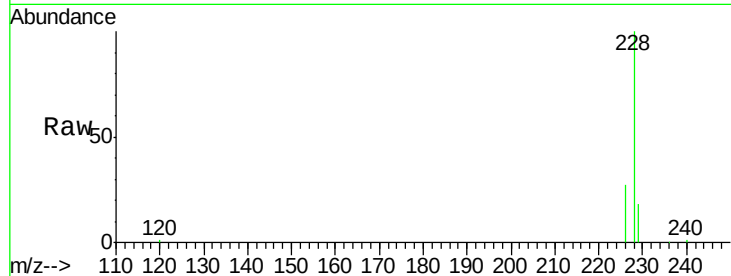
Tgt Ion:228 Resp: 370398

Ion Ratio Lower Upper

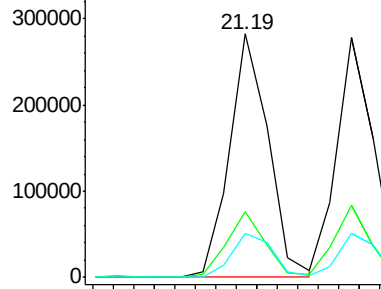
228 100

226 27.2 18.6 27.8

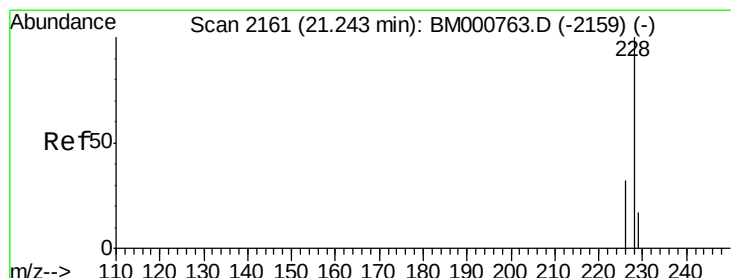
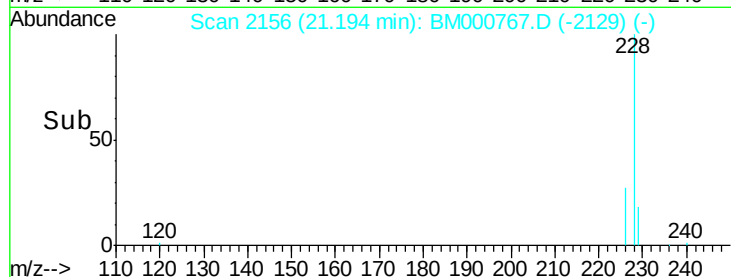
229 18.2 17.2 25.8



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



Time-->



#23

Chrysene

Concen: 10.17 ng

RT: 21.25 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

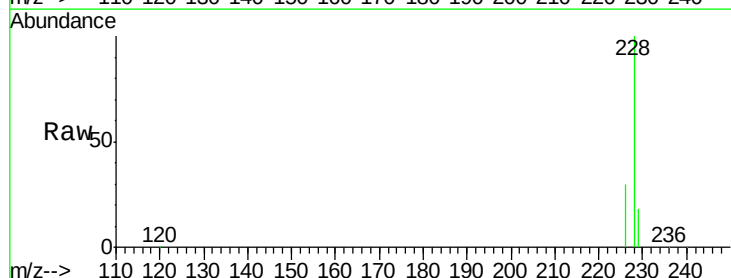
Tgt Ion:228 Resp: 350313

Ion Ratio Lower Upper

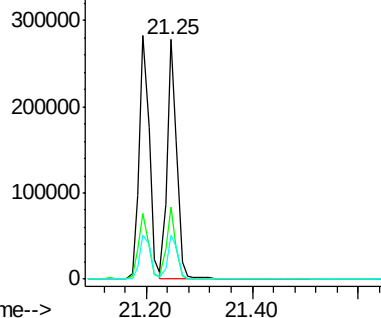
228 100

226 30.0 25.8 38.8

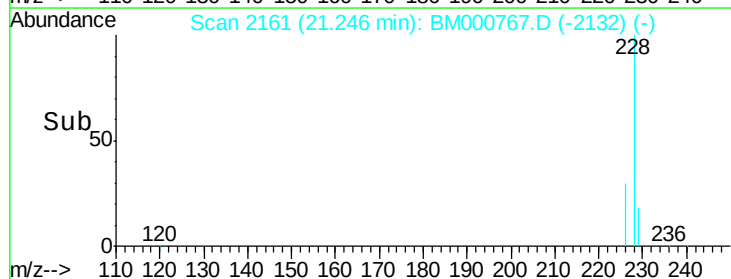
229 18.1 13.8 20.6

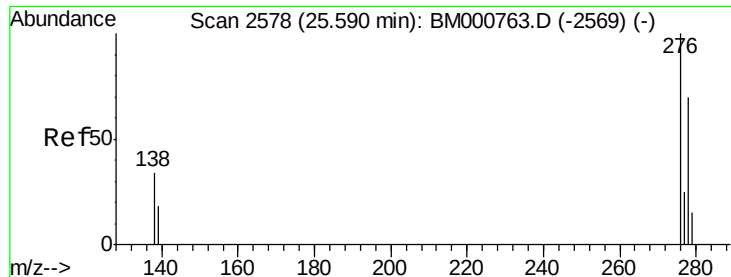


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#24

Indeno(1,2,3-cd)pyrene

Concen: 11.02 ng

RT: 25.58 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

Instrument :

BNA_M

ClientSampleId :

SSTDICV001

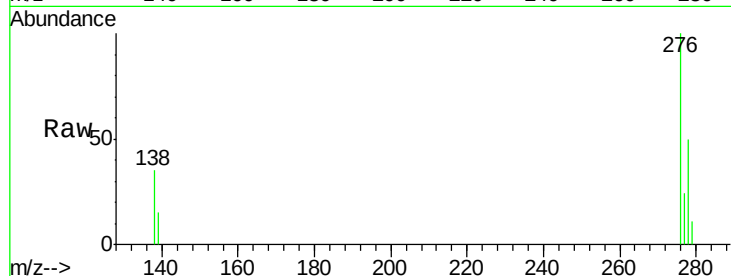
Tgt Ion:276 Resp: 393089

Ion Ratio Lower Upper

276 100

138 34.8 27.4 41.2

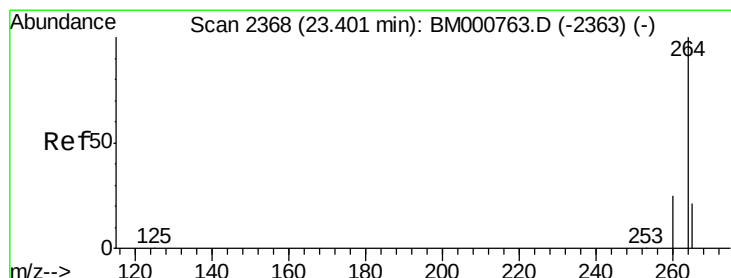
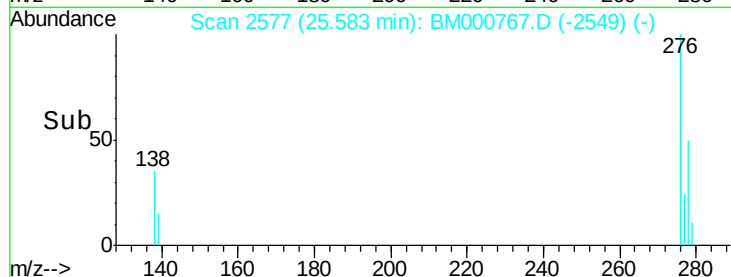
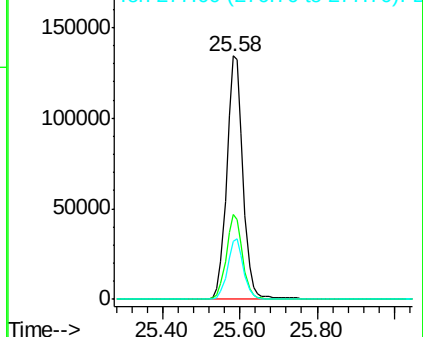
277 24.5 19.7 29.5



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: BM000767.D

Acq: 31 Mar 2015 23:37

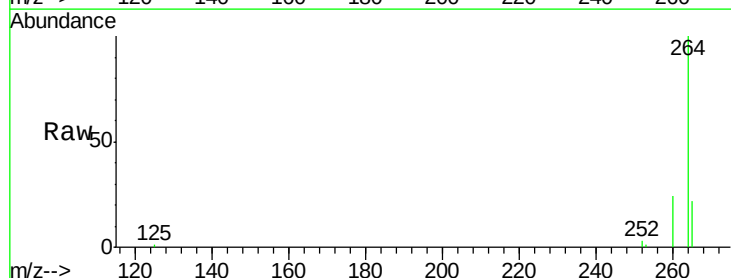
Tgt Ion:264 Resp: 103587

Ion Ratio Lower Upper

264 100

260 23.9 20.1 30.1

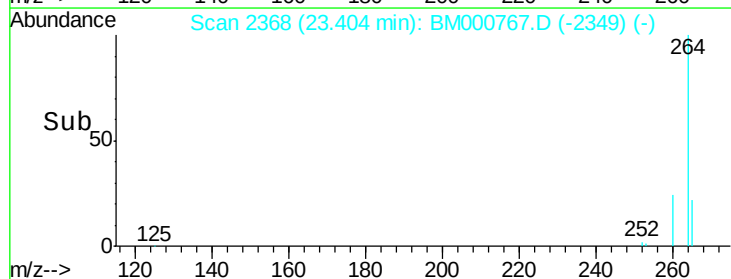
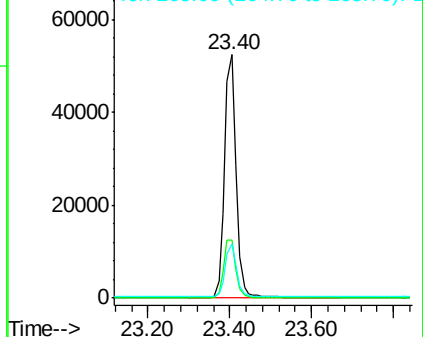
265 22.2 17.4 26.0

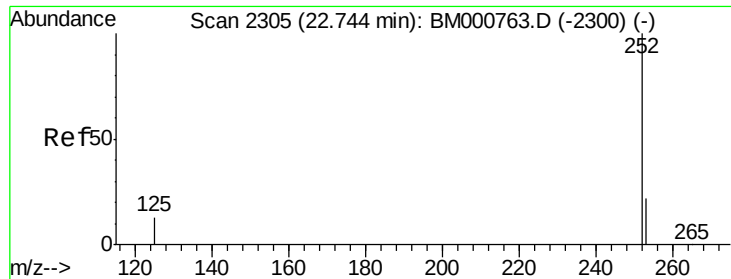


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

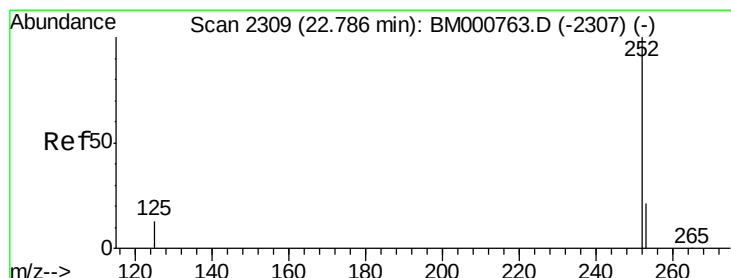
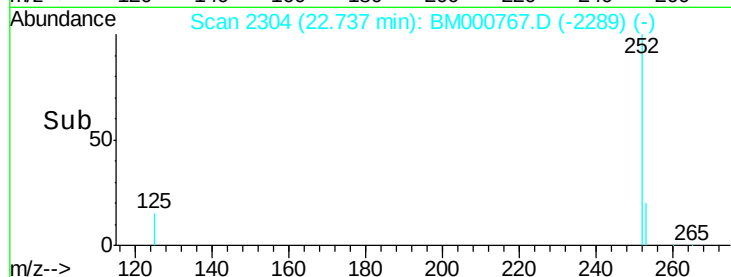
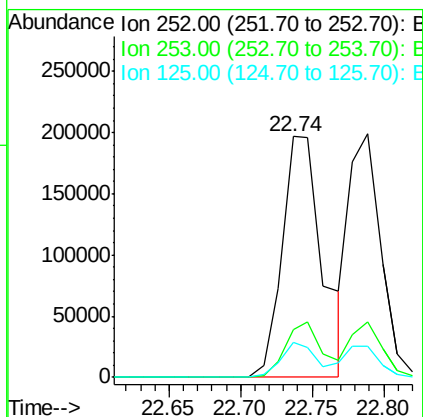
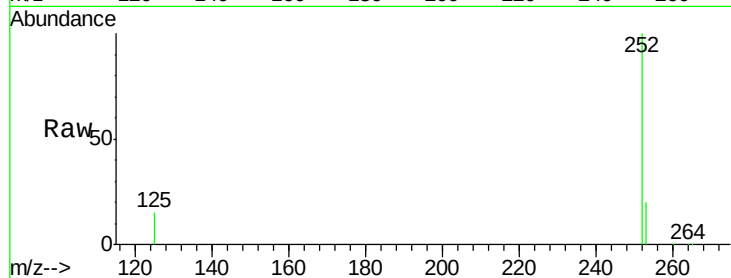




#26
Benzo(b)fluoranthene
Concen: 11.88 ng
RT: 22.74 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BM000767.D
Acq: 31 Mar 2015 23:37

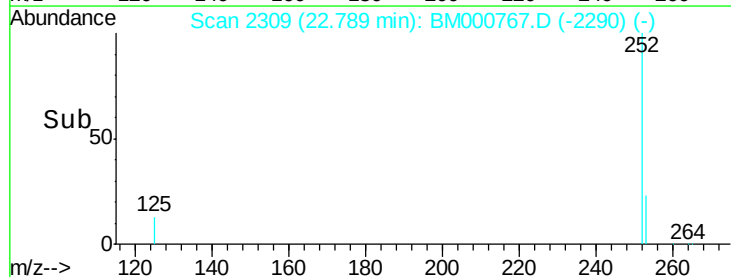
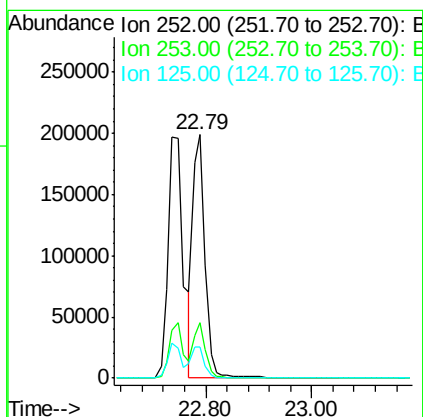
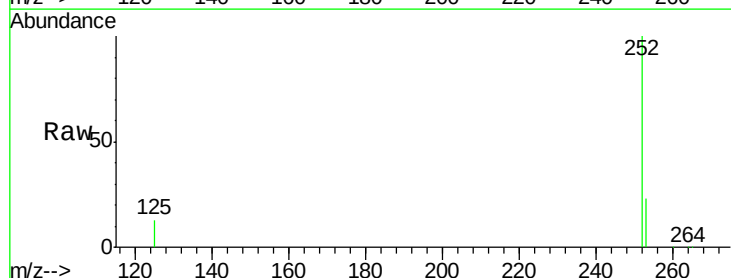
Instrument :
BNA_M
ClientSampleId :
SSTDICV001

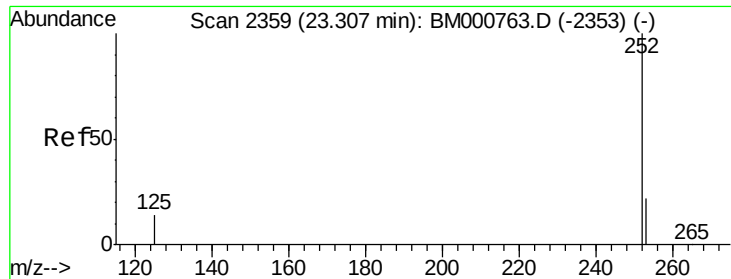
Tgt Ion:252 Resp: 387792
Ion Ratio Lower Upper
252 100
253 19.9 18.5 27.7
125 14.7 10.6 16.0



#27
Benzo(k)fluoranthene
Concen: 10.07 ng
RT: 22.79 min Scan# 2309
Delta R.T. 0.00 min
Lab File: BM000767.D
Acq: 31 Mar 2015 23:37

Tgt Ion:252 Resp: 315200
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 12.7 10.8 16.2





#28

Benzo(a)pyrene

Concen: 11.66 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

Instrument :

BNA_M

ClientSampleId :

SSTDICV001

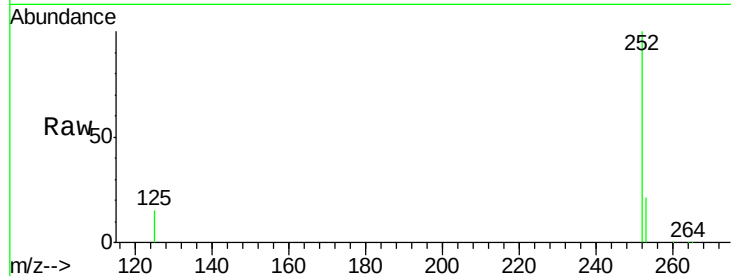
Tgt Ion: 252 Resp: 326648

Ion Ratio Lower Upper

252 100

253 21.3 19.4 29.2

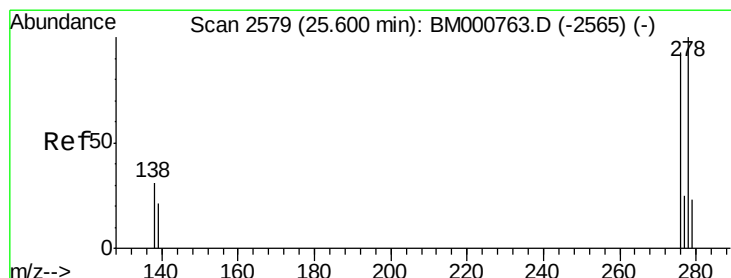
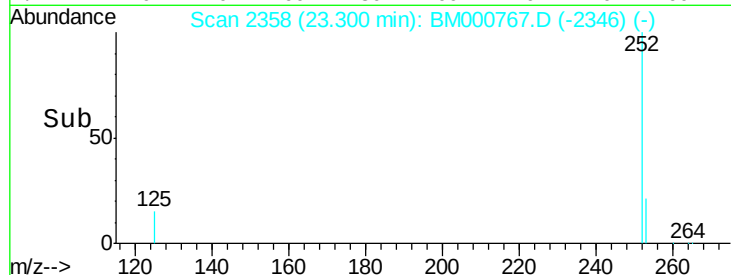
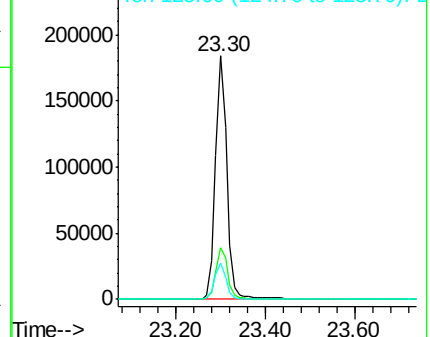
125 14.9 11.5 17.3



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: 11.14 ng

RT: 25.60 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BM000767.D

Acq: 31 Mar 2015 23:37

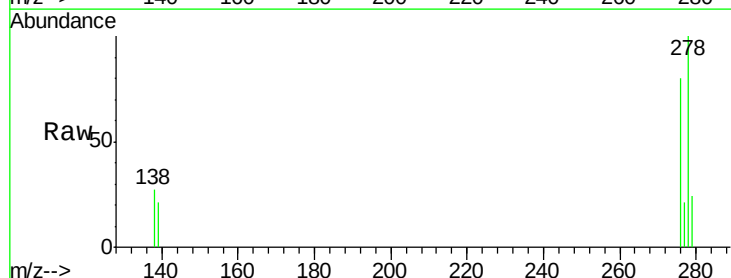
Tgt Ion: 278 Resp: 308140

Ion Ratio Lower Upper

278 100

139 21.2 17.8 26.6

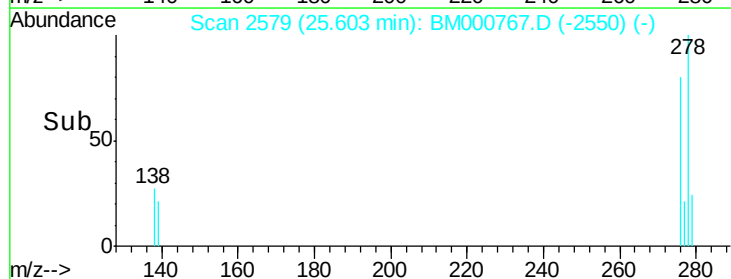
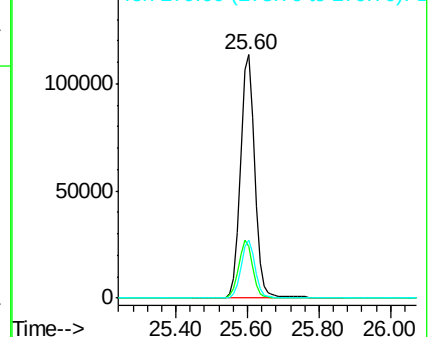
279 23.7 19.3 28.9

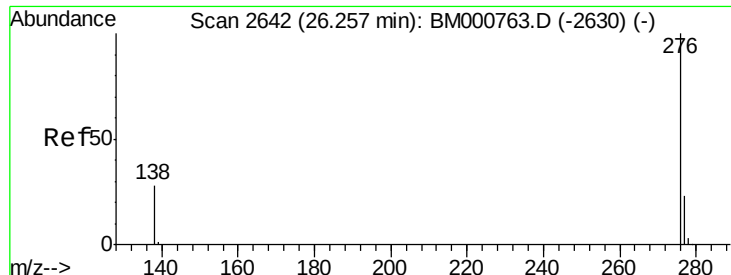


Abundance Ion 278.00 (277.70 to 278.70): E

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: 10.79 ng

RT: 26.26 min Scan# 2642

Delta R.T. 0.00 min

Lab File: BM000767.D

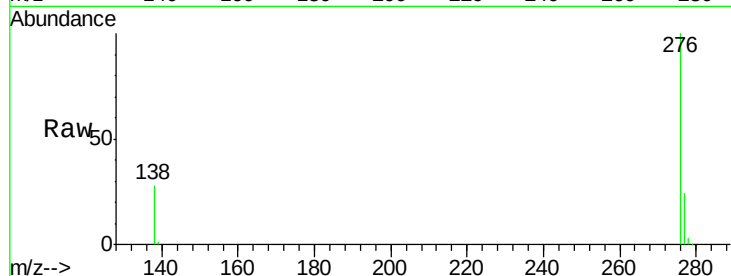
Acq: 31 Mar 2015 23:37

Instrument :

BNA_M

ClientSampleId :

SSTDICV001



Tgt Ion: 276 Resp: 321988

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 27.8 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

