

Data Path : Z:\HPCHEM1\BNA M\DATA\BM033115\
 Data File : BM000785.D
 Acq On : 01 Apr 2015 13:44
 Operator : TP/IZ
 Sample : MDL-05-W
 Misc : MDL-WATER-0.1/0.2PPM
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 01 15:27:30 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

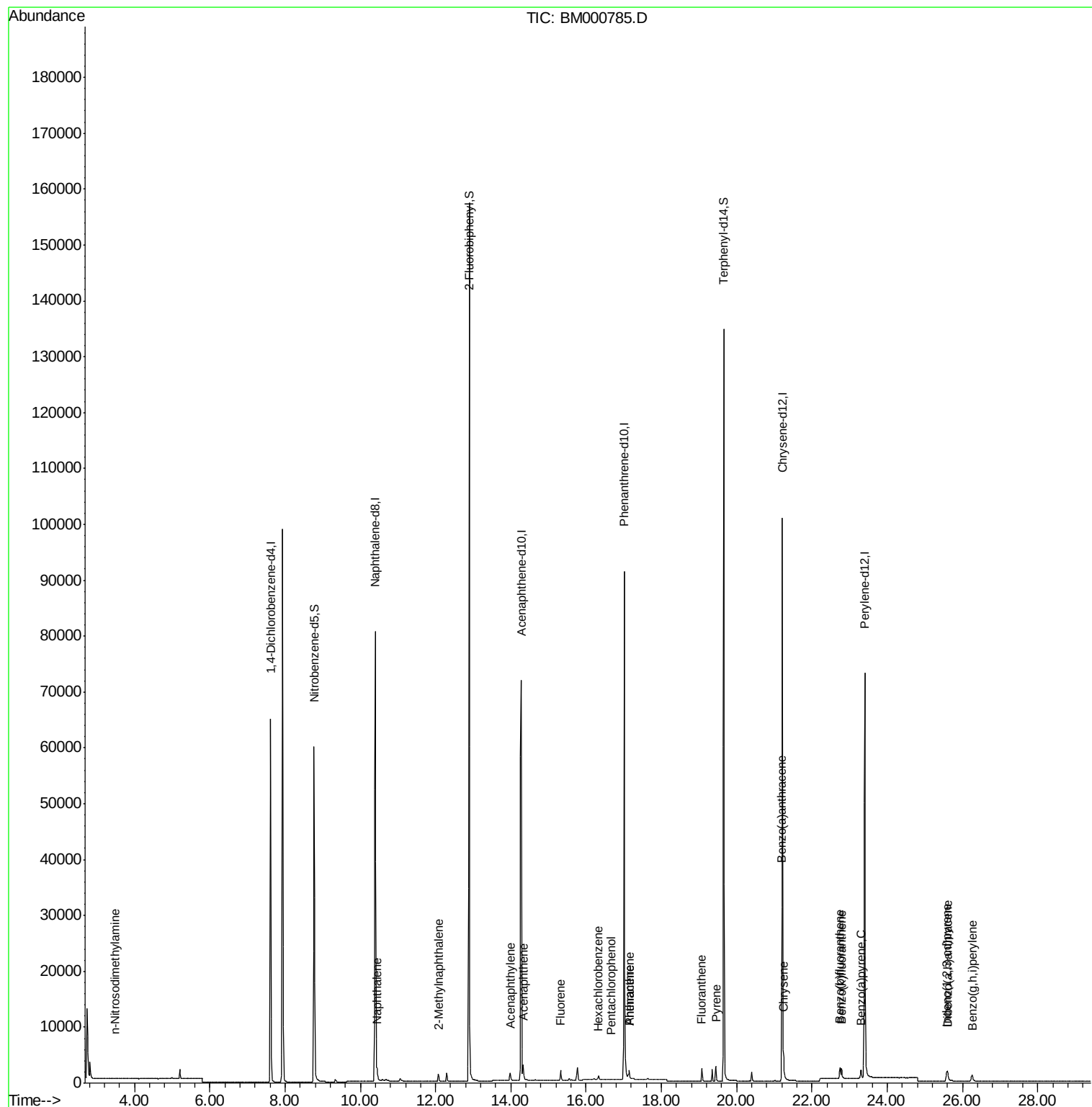
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	32475	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	109763	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	53154	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	118244	5.00	ng	0.00
19) Chrysene-d12	21.21	240	103121	5.00	ng	0.00
25) Perylene-d12	23.40	264	94363	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	52371	7.78	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	161242	9.78	ng	0.00
21) Terphenyl-d14	19.66	244	134086	10.81	ng	0.00
Target Compounds						Ovalue
3) n-Nitrosodimethylamine	3.49	42	89	0.18	ng	# 29
6) Naphthalene	10.45	128	2071	0.08	ng	# 91
7) 2-Methylnaphthalene	12.08	142	1241	0.08	ng	94
10) Acenaphthylene	13.98	152	1652	0.07	ng	99
11) Acenaphthene	14.33	154	1263	0.08	ng	97
12) Fluorene	15.32	166	1498	0.08	ng	99
14) Hexachlorobenzene	16.33	284	581	0.08	ng	# 74
15) Pentachlorophenol	16.66	266	9	0.37	ng	# 59
16) Phenanthrene	17.15	178	2194	0.07	ng	98
17) Anthracene	17.15	178	2194	0.08	ng	99
18) Fluoranthene	19.08	202	2659	0.08	ng	100
20) Pyrene	19.45	202	3032	0.09	ng	99
22) Benzo(a)anthracene	21.20	228	2727	0.09	ng	97
23) Chrysene	21.25	228	2906	0.09	ng	# 89
24) Indeno(1,2,3-cd)pyrene	25.59	276	2591	0.08	ng	99
26) Benzo(b)fluoranthene	22.74	252	2448	0.08	ng	# 78
27) Benzo(k)fluoranthene	22.79	252	2610	0.09	ng	# 78
28) Benzo(a)pyrene	23.31	252	2188	0.09	ng	# 70
29) Dibenzo(a,h)anthracene	25.60	278	2048	0.08	ng	# 77
30) Benzo(a,h,i)perylene	26.26	276	2401	0.09	ng	92

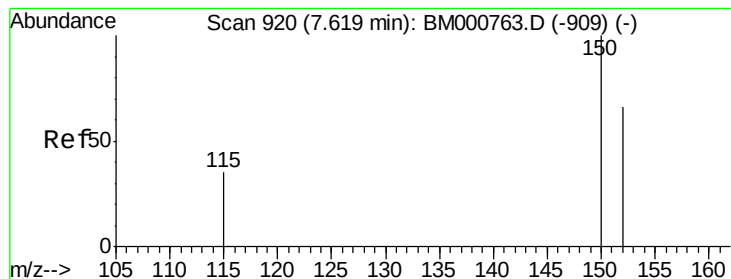
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM033115\
Data File : BM000785.D
Acq On : 01 Apr 2015 13:44
Operator : TP/IZ
Sample : MDL-05-W
Misc : MDL-WATER-0.1/0.2PPM
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Apr 01 15:27:30 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



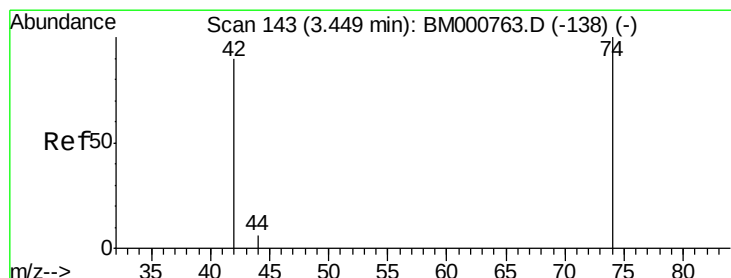
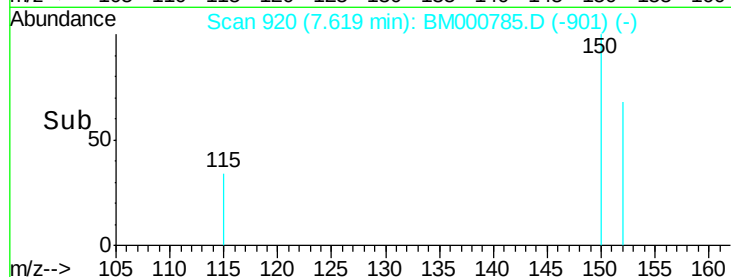
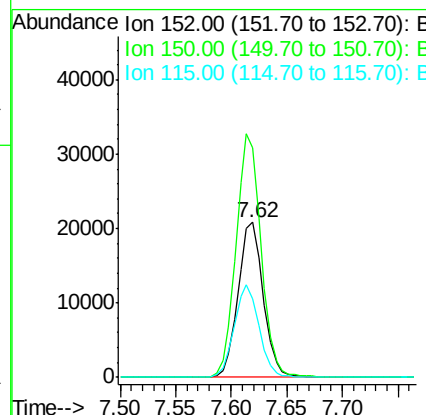
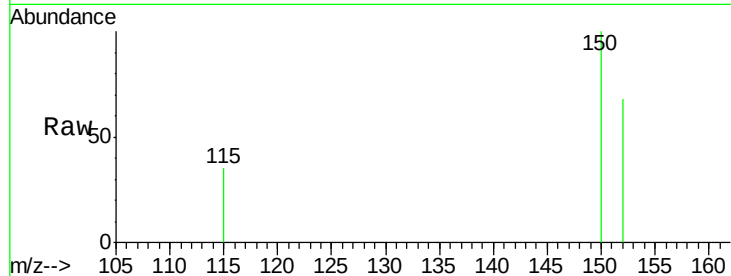


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 920
Delta R.T. -0.00 min
Lab File: BM000785.D
Acq: 01 Apr 2015 13:44

Instrument :
BNA_M
ClientSampled :

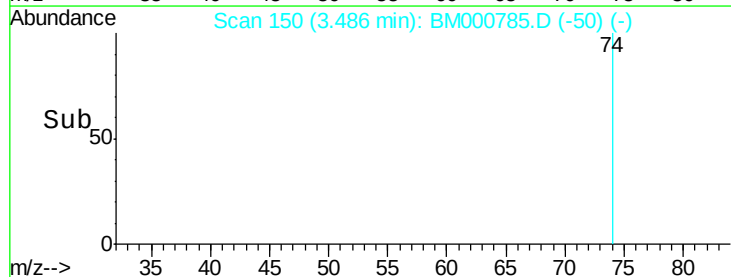
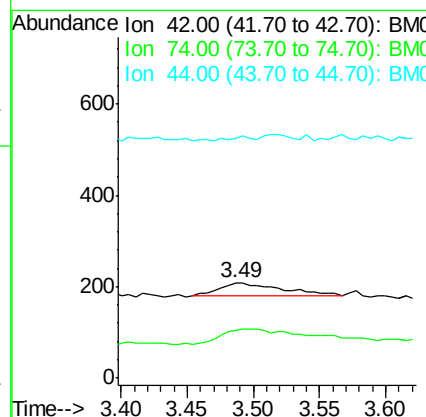
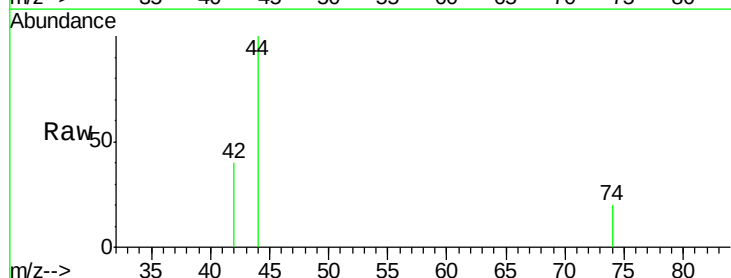
Tot Ion:152 Resp: 32475
Ion Ratio Lower Upper
152 100
150 147.9 120.8 181.2
115 51.0 42.7 64.1

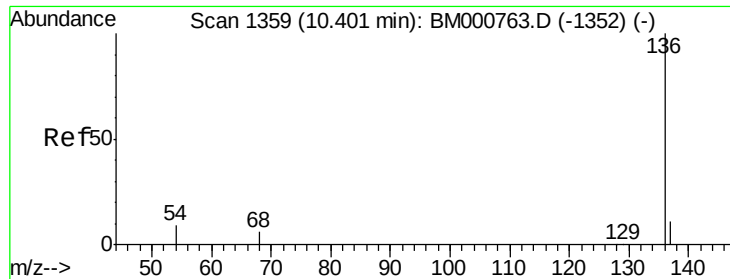


#3

n-Nitrosodimethylamine
Concen: 0.18 ng
RT: 3.49 min Scan# 150
Delta R.T. 0.04 min
Lab File: BM000785.D
Acq: 01 Apr 2015 13:44

Tgt Ion: 42 Resp: 89
Ion Ratio Lower Upper
42 100
74 200.0 93.6 140.4#
44 10.1 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: BM000785.D

Acq: 01 Apr 2015 13:44

Instrument :

BNA_M

ClientSampleId :

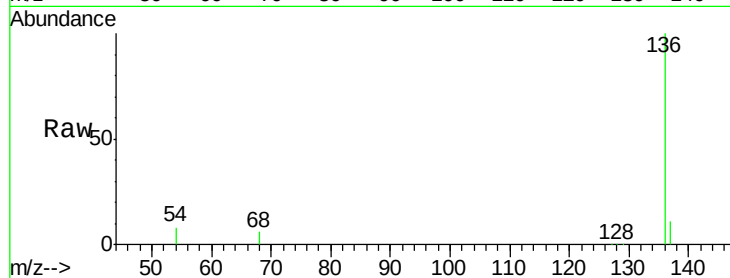
Tot Ion:136 Resp: 109763

Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

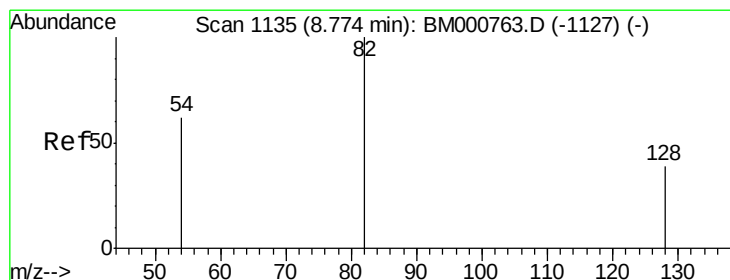
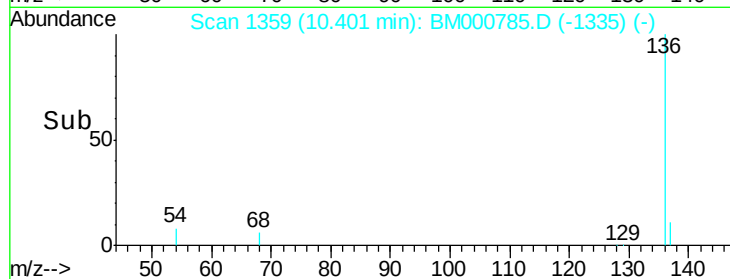
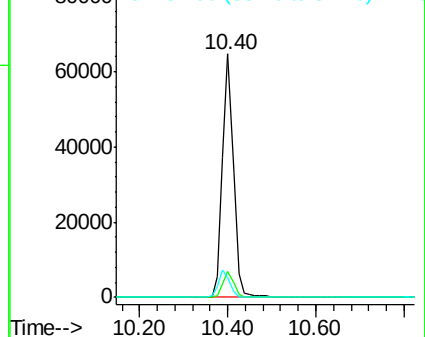
54 8.0 7.0 10.6



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM



#5

Nitrobenzene-d5

Concen: 7.78 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

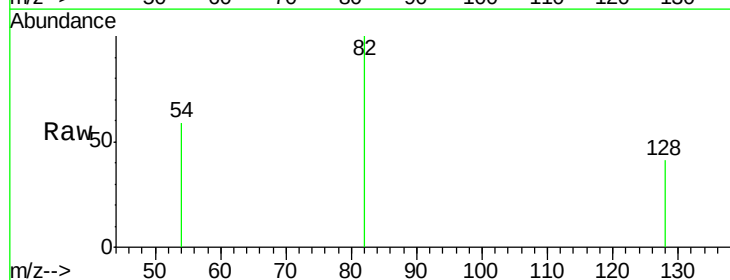
Tgt Ion: 82 Resp: 52371

Ion Ratio Lower Upper

82 100

128 41.1 32.2 48.2

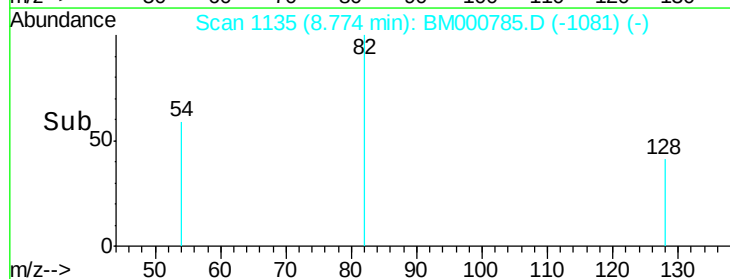
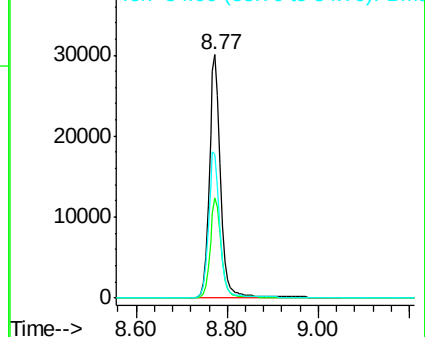
54 59.1 50.2 75.4

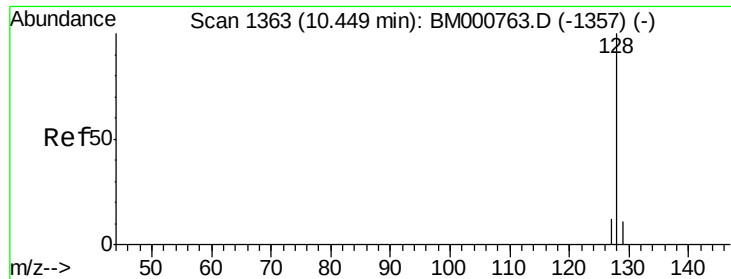


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#6

Naphthalene

Concen: 0.08 ng

RT: 10.45 min Scan# 1363

Delta R.T. -0.00 min

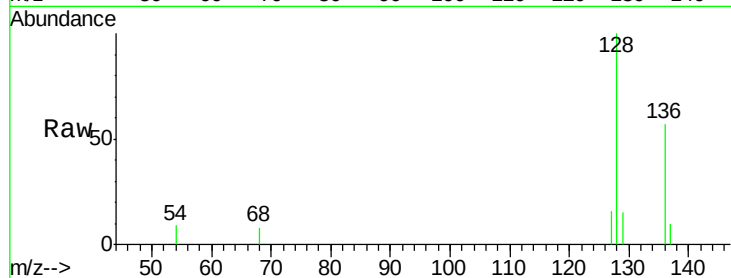
Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

Instrument :

BNA_M

ClientSampleId :



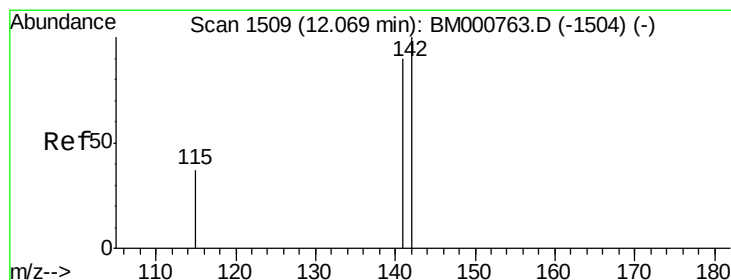
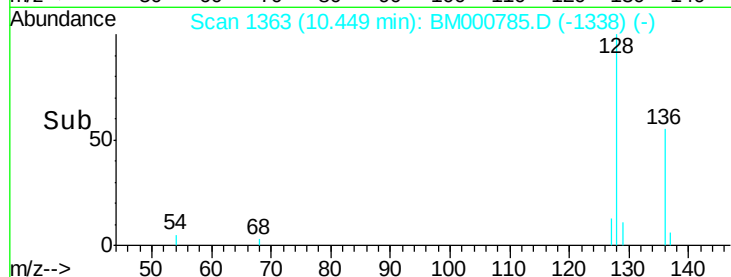
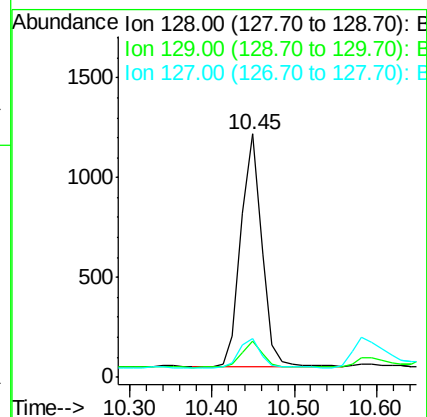
Tot Ion:128 Resp: 2071

Ion Ratio Lower Upper

128 100

129 14.6 8.9 13.3#

127 15.9 10.0 15.0#



#7

2-Methylnaphthalene

Concen: 0.08 ng

RT: 12.08 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

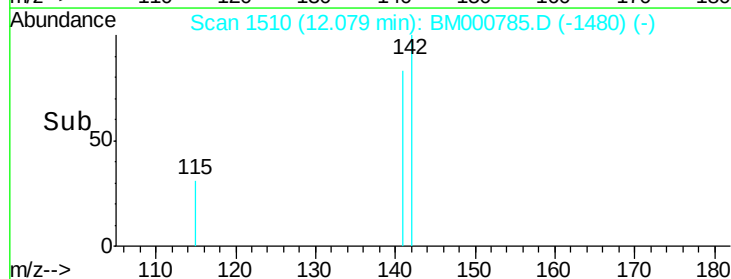
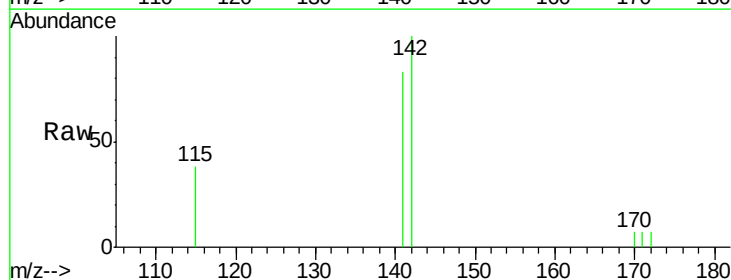
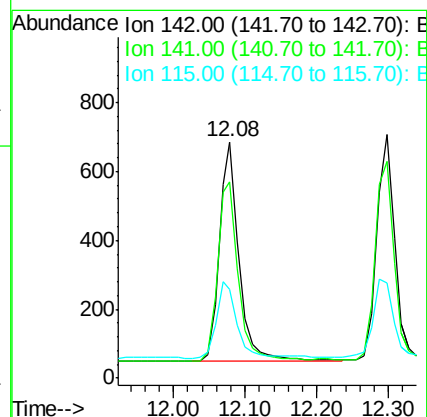
Tgt Ion:142 Resp: 1241

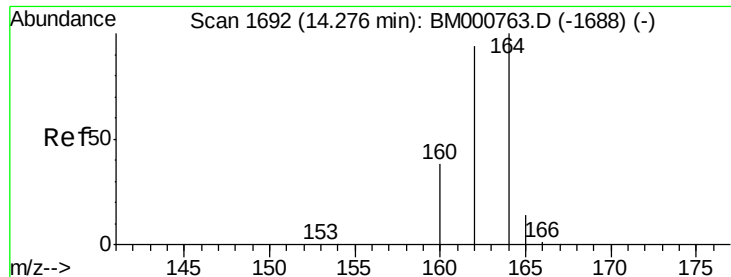
Ion Ratio Lower Upper

142 100

141 83.1 72.3 108.5

115 37.7 29.5 44.3





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.28 min Scan# 1692

Delta R.T. -0.00 min

Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

Instrument :

BNA_M

ClientSampleId :

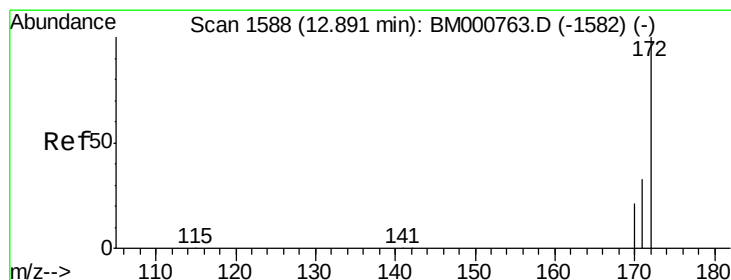
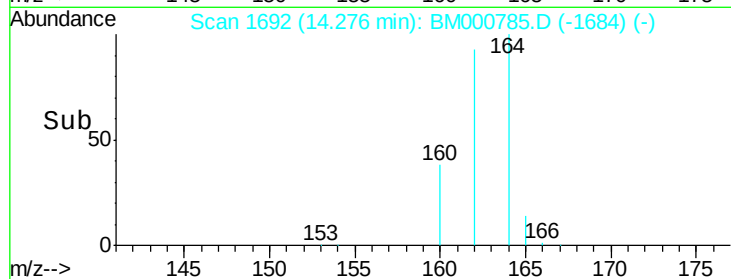
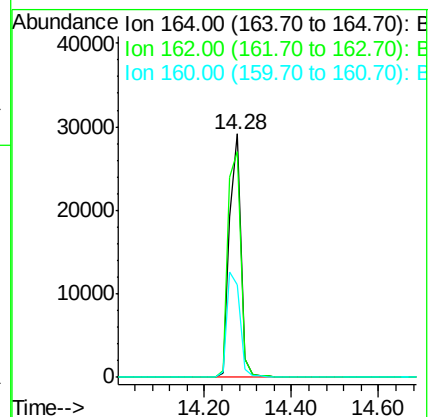
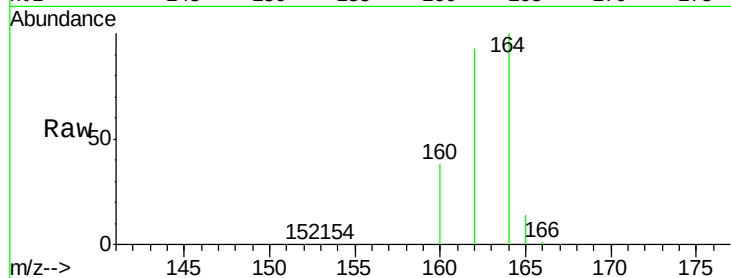
Tot Ion:164 Resp: 53154

Ion Ratio Lower Upper

164 100

162 92.9 75.4 113.2

160 38.0 30.8 46.2



#9

2-Fluorobiphenyl

Concen: 9.78 ng

RT: 12.89 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

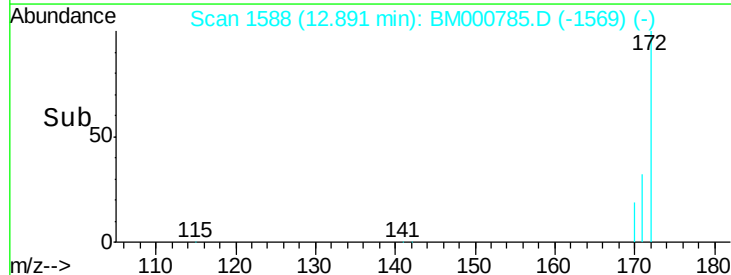
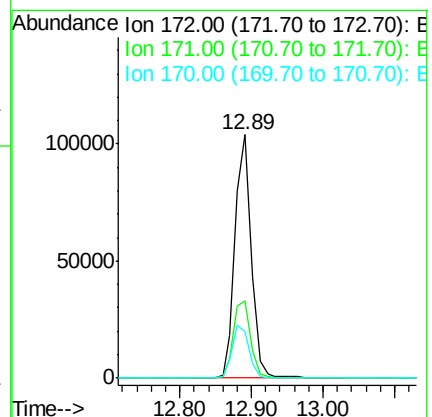
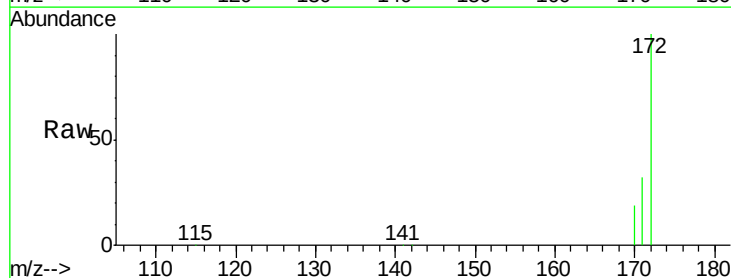
Tgt Ion:172 Resp: 161242

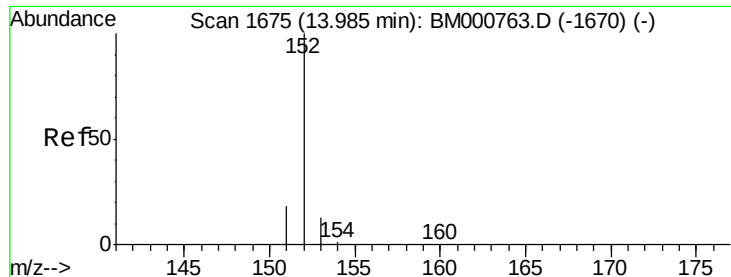
Ion Ratio Lower Upper

172 100

171 31.7 26.6 39.8

170 19.3 17.1 25.7





#10

Acenaphthylene

Concen: 0.07 ng

RT: 13.98 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

Instrument :

BNA_M

ClientSampled :

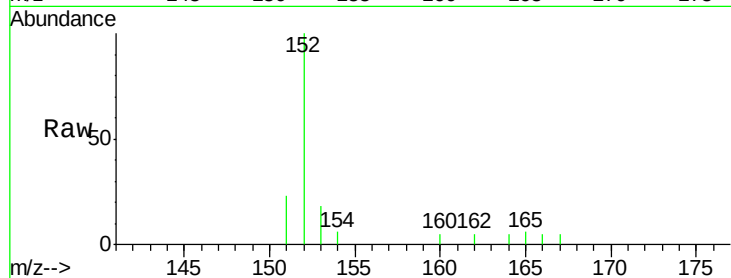
Tot Ion:152 Resp: 1652

Ion Ratio Lower Upper

152 100

151 19.4 15.1 22.7

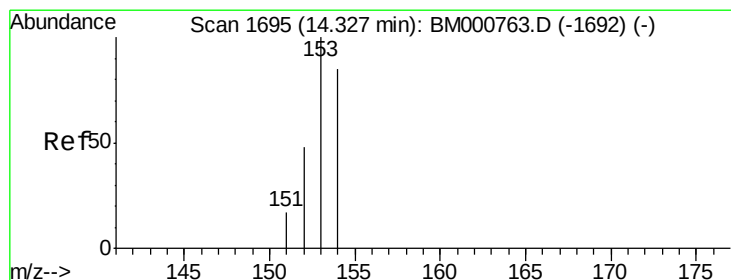
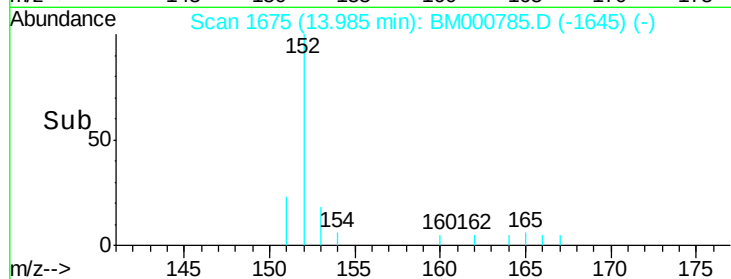
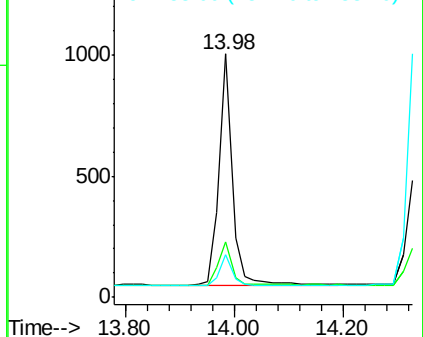
153 13.1 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#11

Acenaphthene

Concen: 0.08 ng

RT: 14.33 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

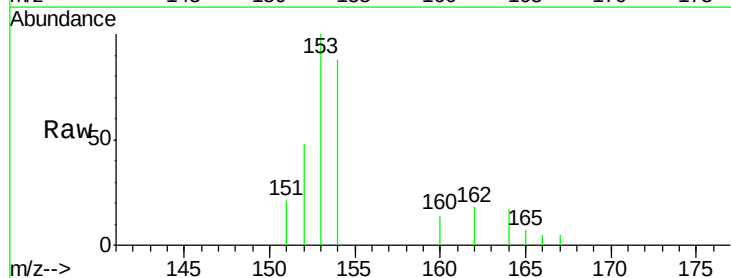
Tgt Ion:154 Resp: 1263

Ion Ratio Lower Upper

154 100

153 113.9 87.3 130.9

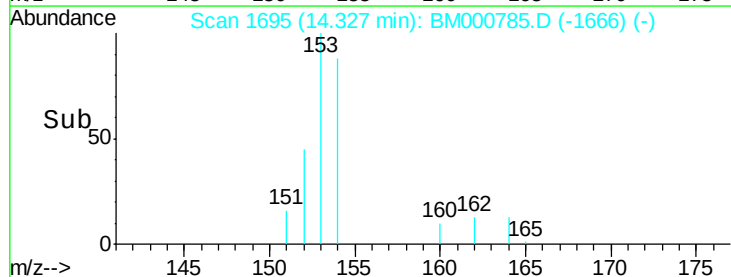
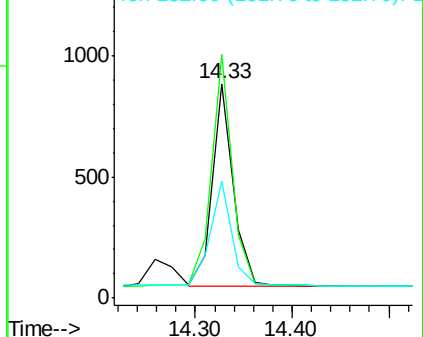
152 54.0 43.0 64.6

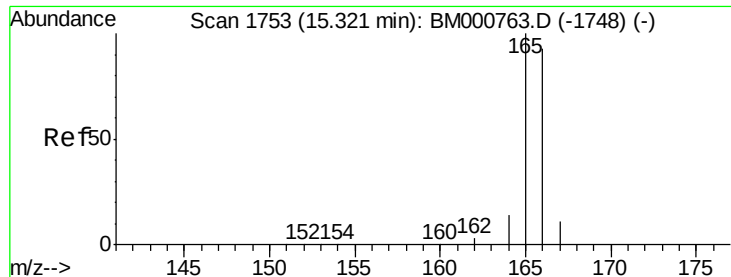


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#12

Fluorene

Concen: 0.08 ng

RT: 15.32 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

Instrument :

BNA_M

ClientSampleId :

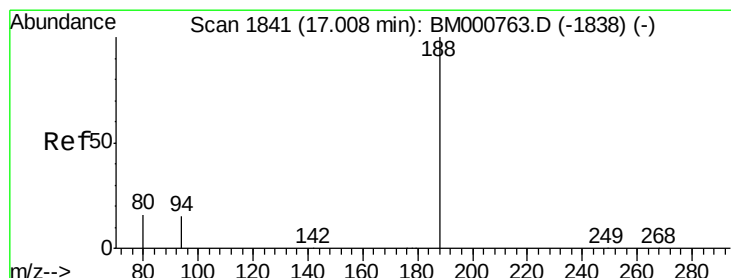
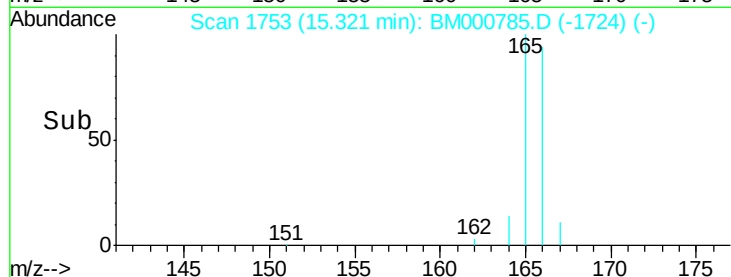
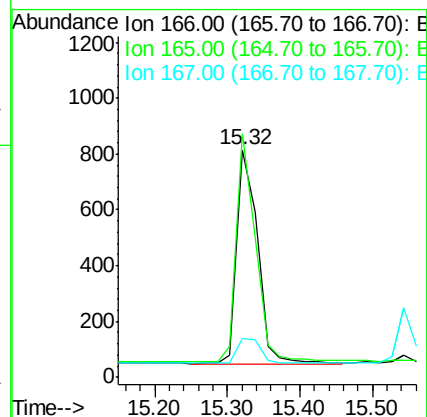
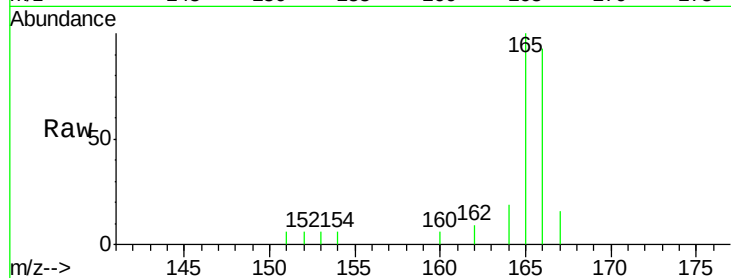
Tot Ion:166 Resp: 1498

Ion Ratio Lower Upper

166 100

165 98.9 78.2 117.2

167 13.7 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: BM000785.D

Acq: 01 Apr 2015 13:44

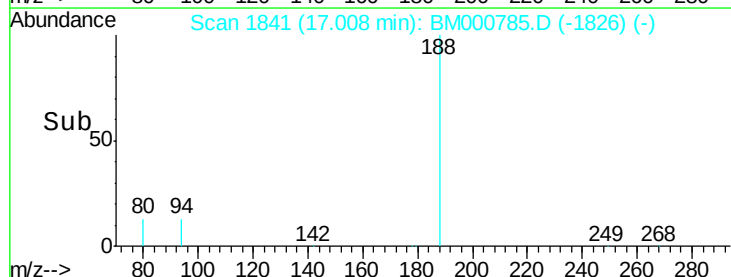
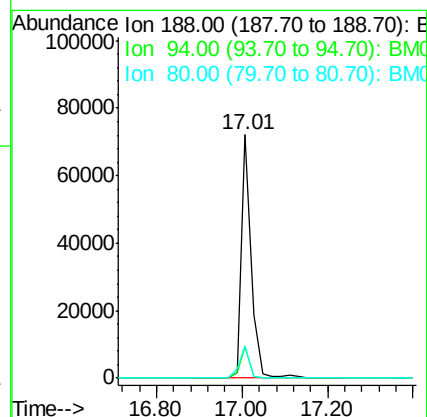
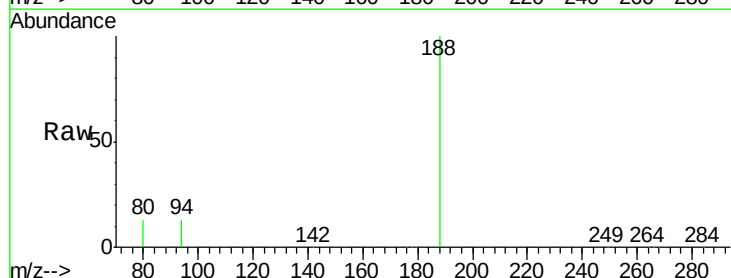
Tgt Ion:188 Resp: 118244

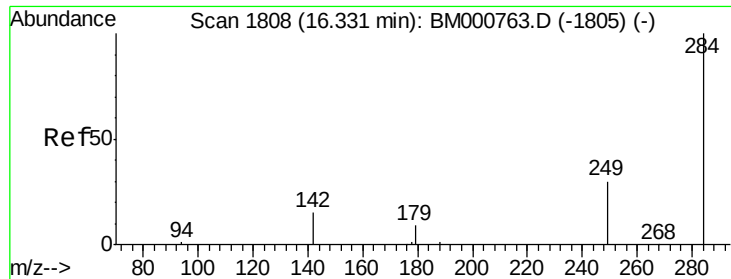
Ion Ratio Lower Upper

188 100

94 12.7 12.0 18.0

80 13.2 12.8 19.2

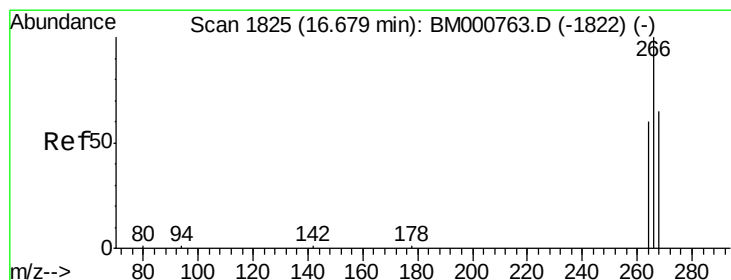
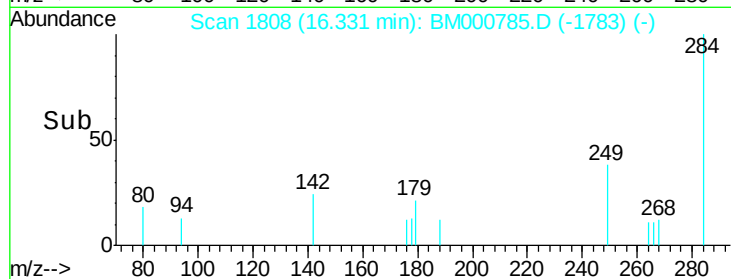
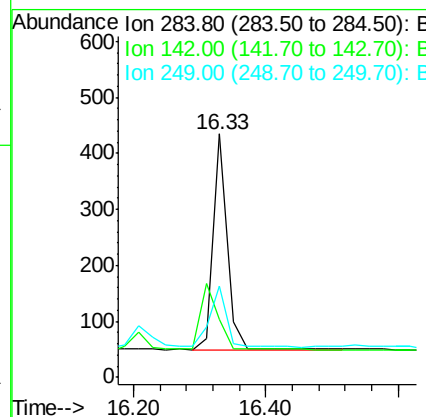
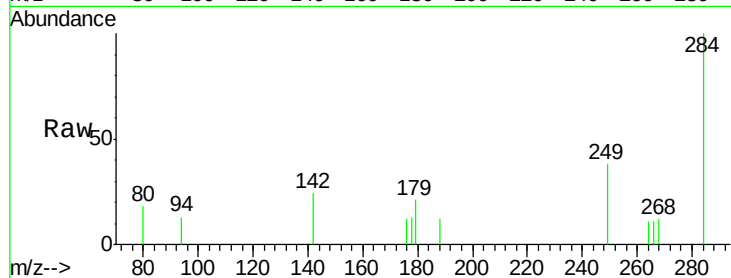




#14
Hexachlorobenzene
Concen: 0.08 ng
RT: 16.33 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BM000785.D
Acq: 01 Apr 2015 13:44

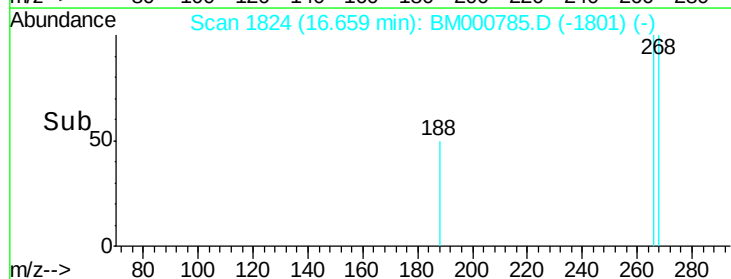
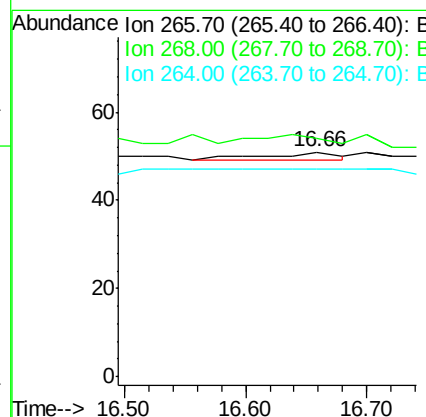
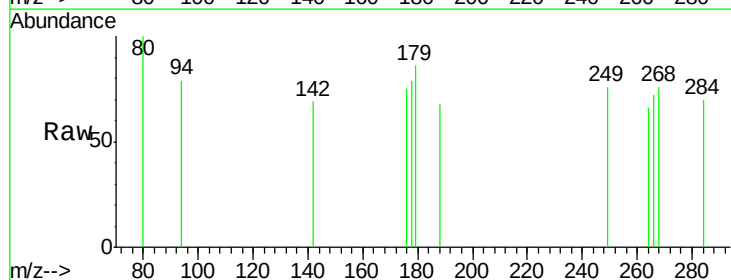
Instrument :
BNA_M
ClientSampled :

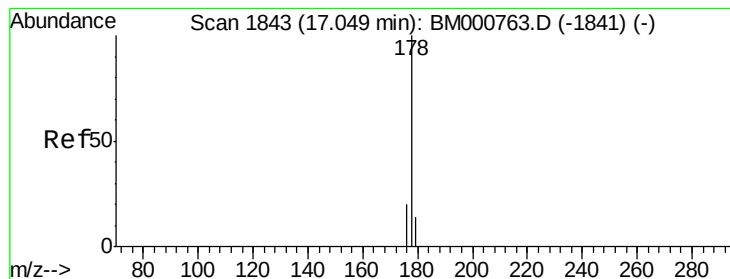
Tot Ion:284 Resp: 581
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 46.0 25.2 37.8#



#15
Pentachlorophenol
Concen: 0.37 ng
RT: 16.66 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM000785.D
Acq: 01 Apr 2015 13:44

Tgt Ion:266 Resp: 9
Ion Ratio Lower Upper
266 100
268 105.9 55.0 82.6#
264 92.2 51.0 76.4#





#16

Phenanthrene

Concen: 0.07 ng

RT: 17.15 min Scan# 1848

Delta R.T. 0.10 min

Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

Instrument :

BNA_M

ClientSampleId :

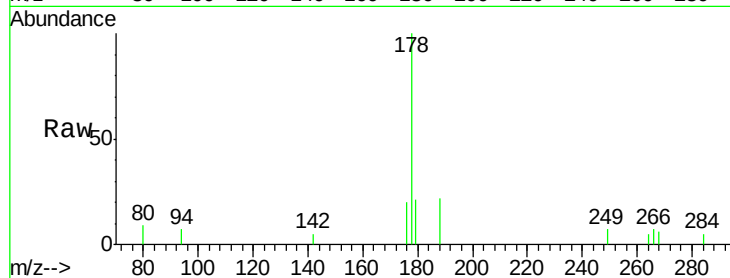
Tot Ion:178 Resp: 2194

Ion Ratio Lower Upper

178 100

176 18.0 15.3 22.9

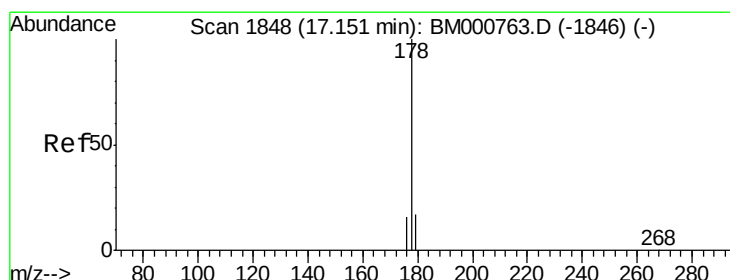
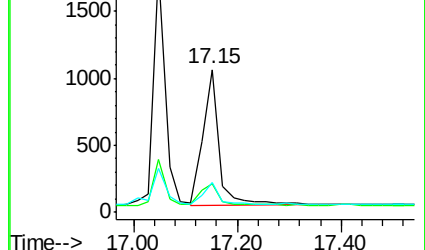
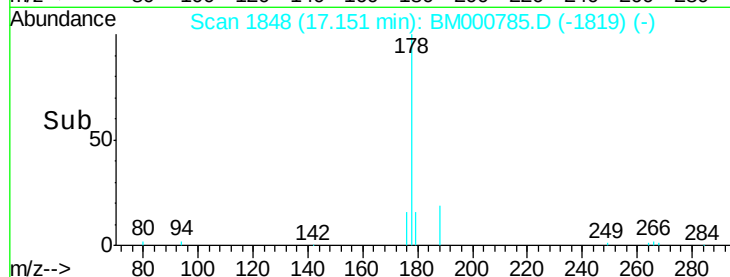
179 14.5 12.2 18.2



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: 0.08 ng

RT: 17.15 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

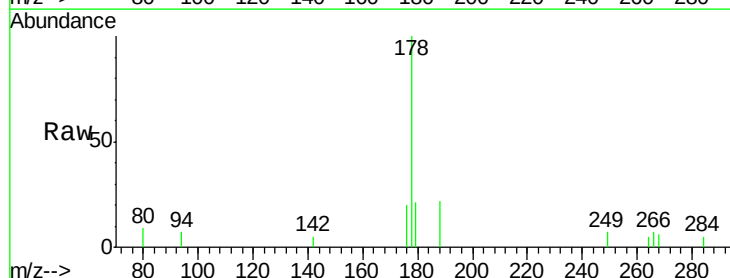
Tgt Ion:178 Resp: 2194

Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

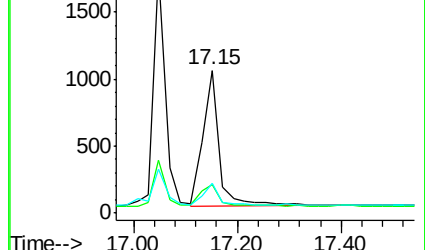
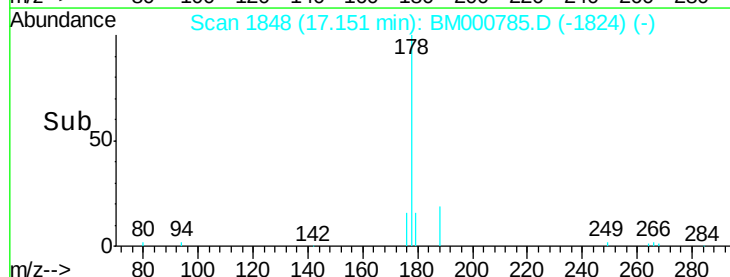
179 14.5 12.2 18.4

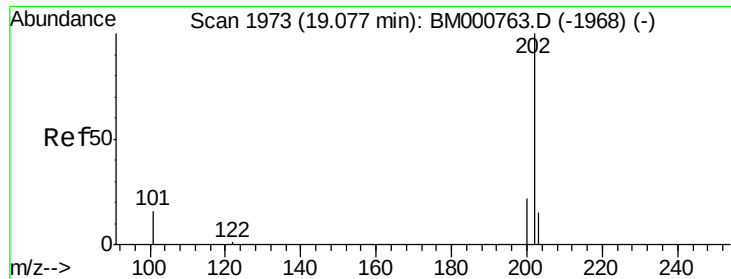


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

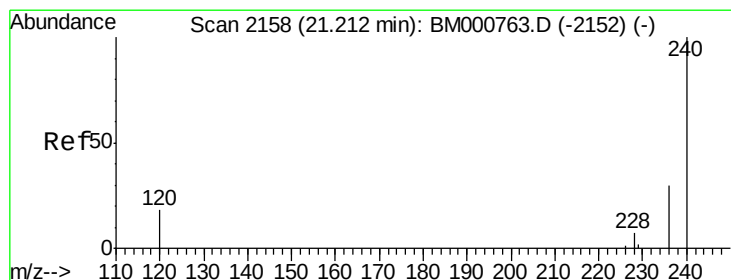
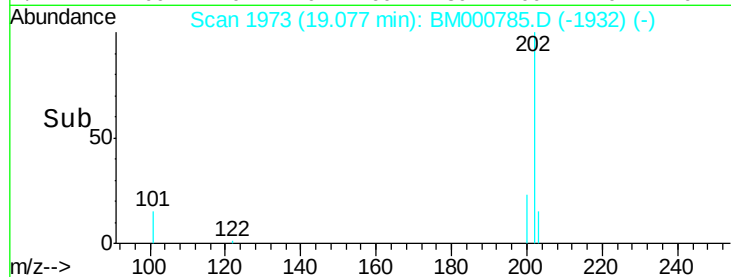
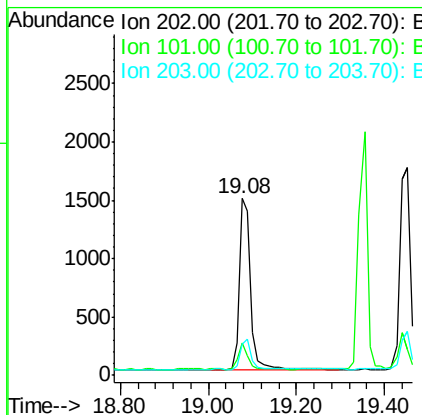
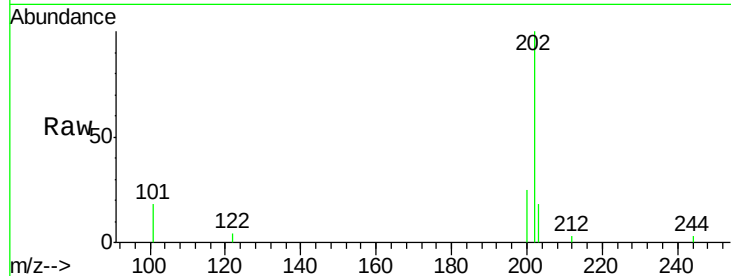




#18
 Fluoranthene
 Concen: 0.08 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: BM000785.D
 Acq: 01 Apr 2015 13:44

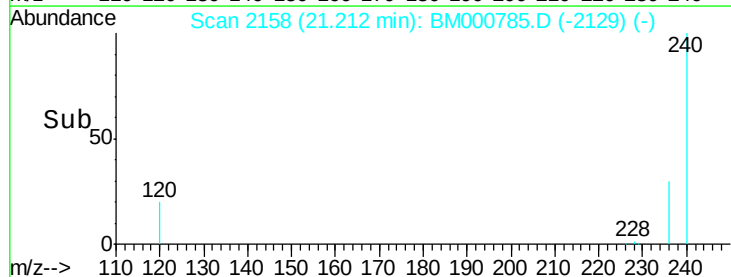
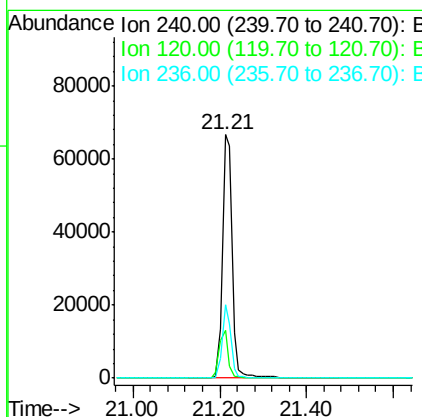
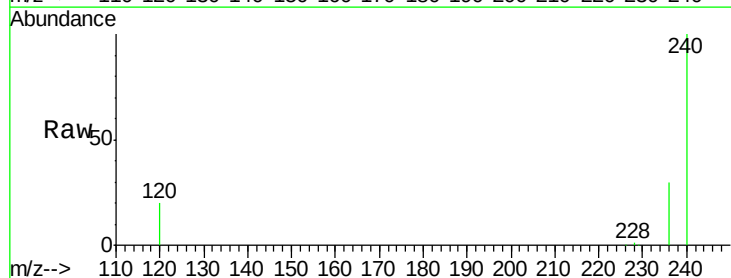
Instrument :
 BNA_M
 ClientSampled :

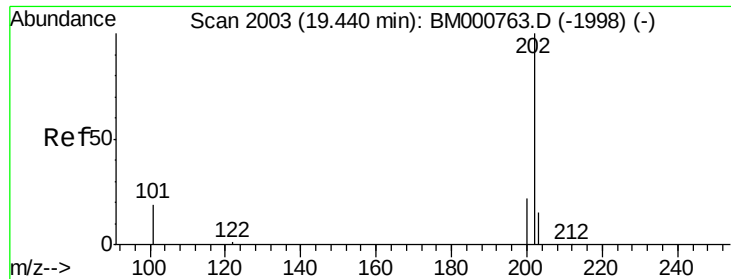
Tot Ion:202 Resp: 2659
 Ion Ratio Lower Upper
 202 100
 101 13.4 10.5 15.7
 203 17.3 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000785.D
 Acq: 01 Apr 2015 13:44

Tgt Ion:240 Resp: 103121
 Ion Ratio Lower Upper
 240 100
 120 19.7 14.9 22.3
 236 30.4 24.2 36.4

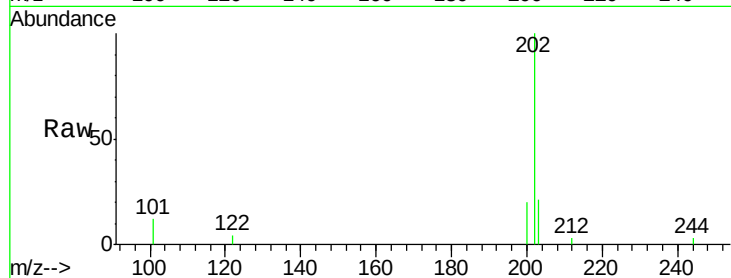




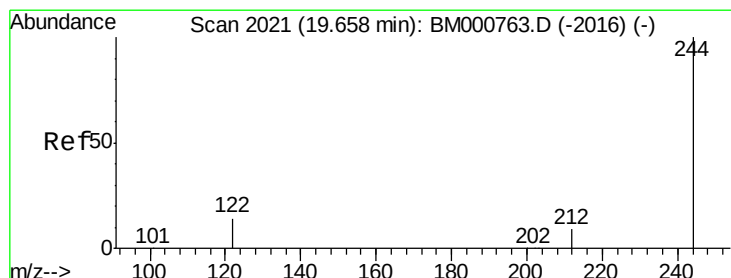
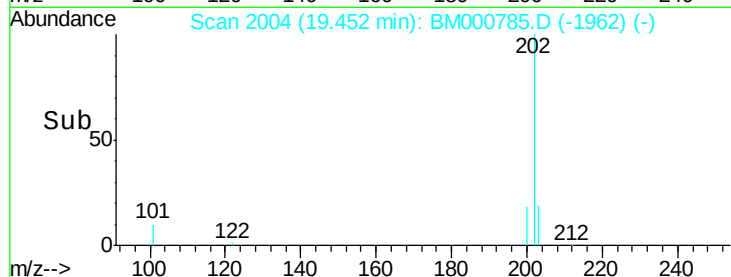
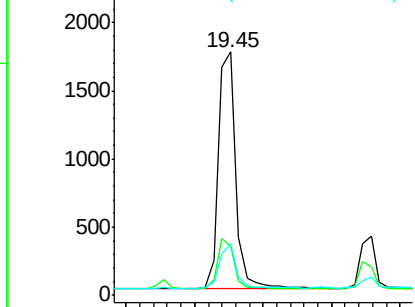
#20
Pvrene
Concen: 0.09 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000785.D
Acq: 01 Apr 2015 13:44

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 3032
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 17.9 13.9 20.9

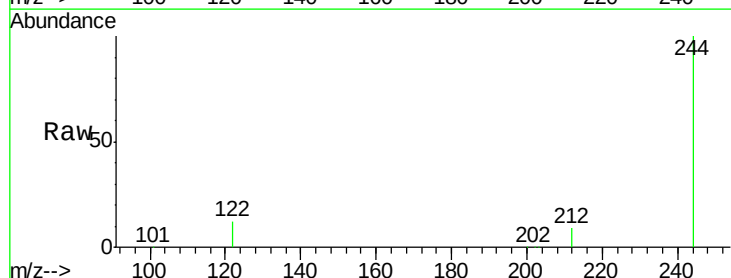


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

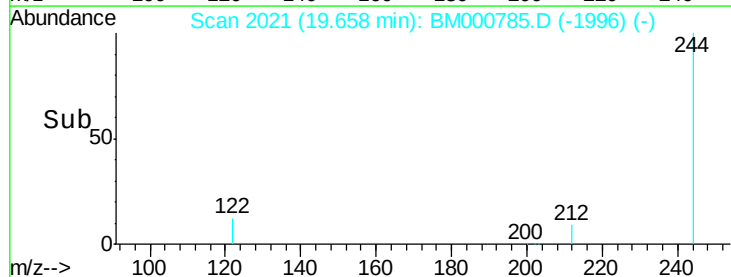
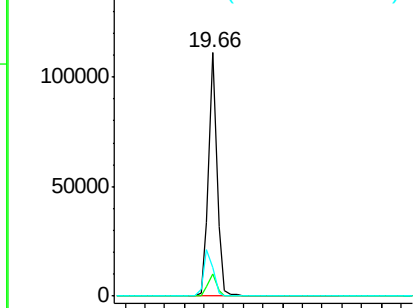


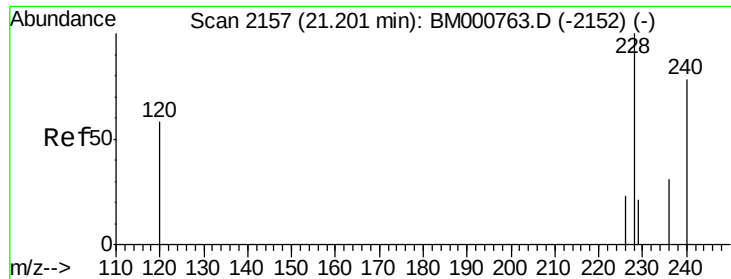
#21
Terphenyl-d14
Concen: 10.81 ng
RT: 19.66 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BM000785.D
Acq: 01 Apr 2015 13:44

Tgt Ion:244 Resp: 134086
Ion Ratio Lower Upper
244 100
212 9.0 7.8 11.6
122 11.6 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: 0.09 ng

RT: 21.20 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

Instrument :

BNA_M

ClientSampleId :

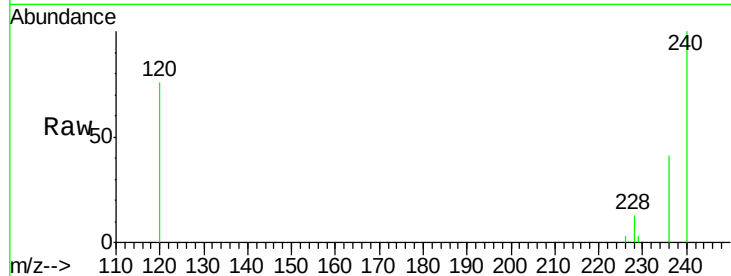
Tot Ion:228 Resp: 2727

Ion Ratio Lower Upper

228 100

226 24.3 18.6 27.8

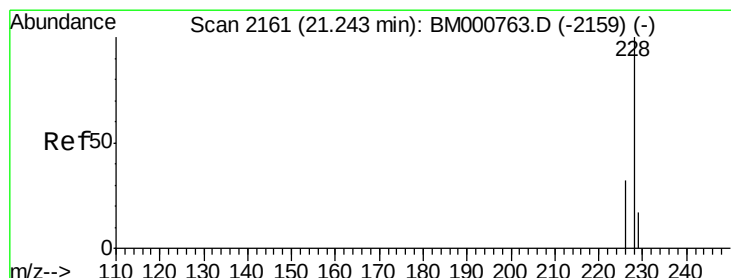
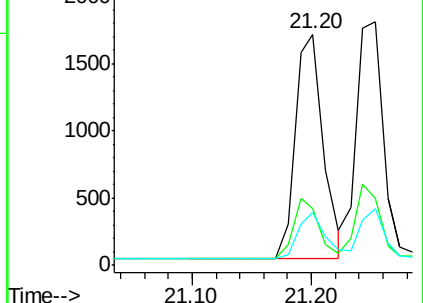
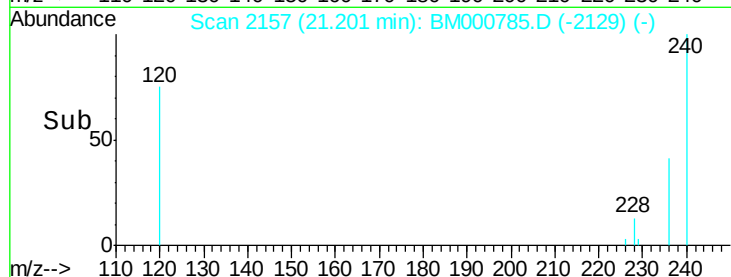
229 23.0 17.2 25.8



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: 0.09 ng

RT: 21.25 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

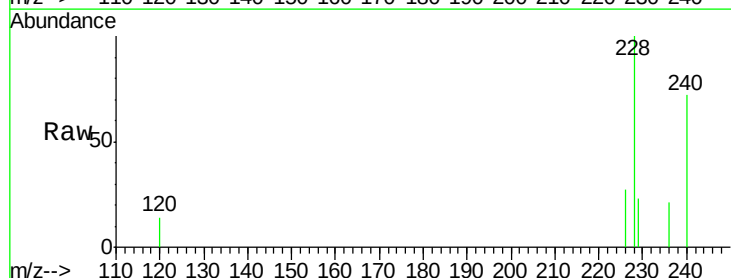
Tgt Ion:228 Resp: 2906

Ion Ratio Lower Upper

228 100

226 27.3 25.8 38.8

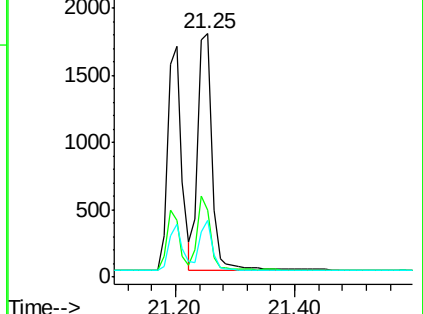
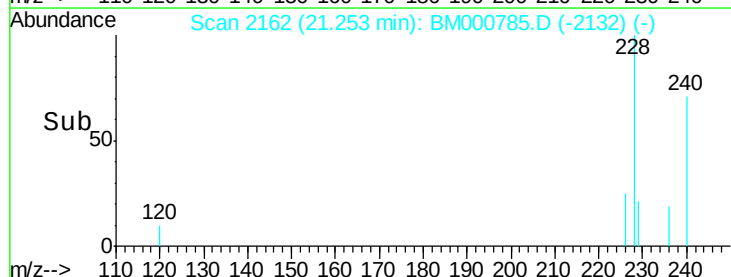
229 23.4 13.8 20.6#

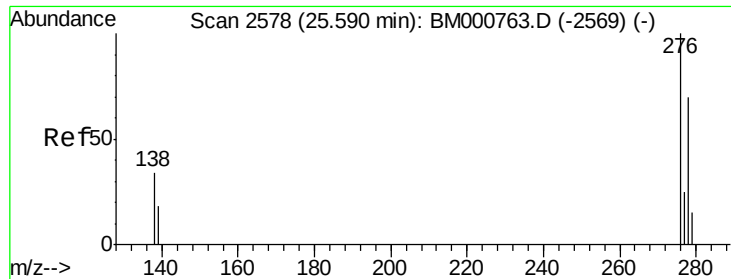


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

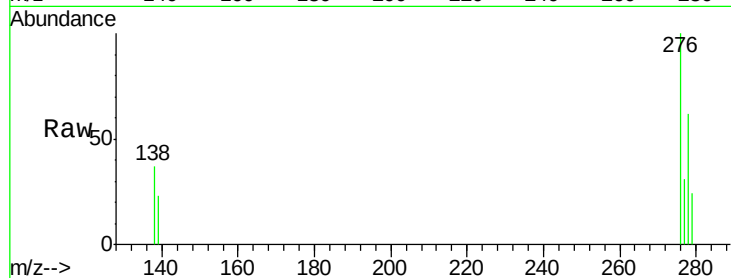




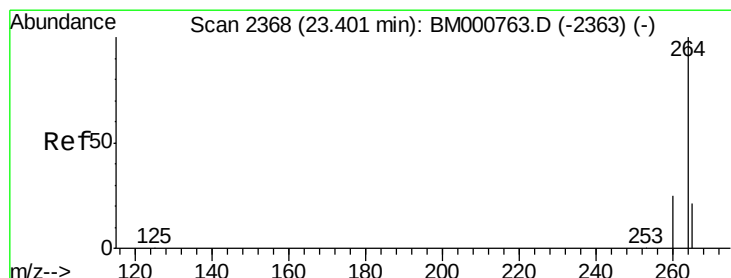
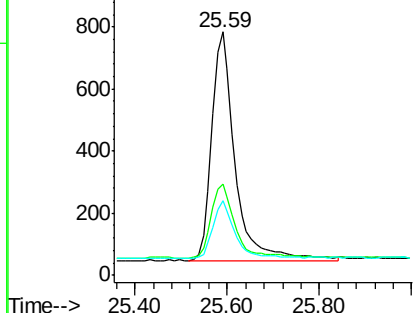
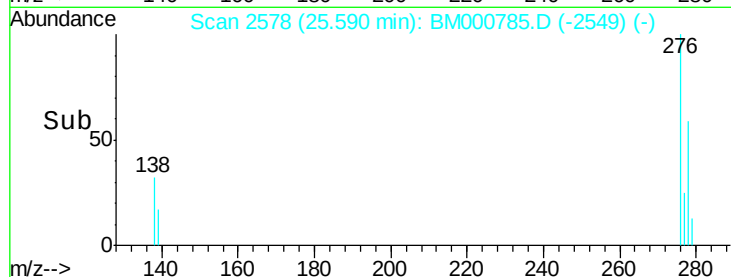
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 25.59 min Scan# 2578
Delta R.T. -0.00 min
Lab File: BM000785.D
Acq: 01 Apr 2015 13:44

Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 2591
Ion Ratio Lower Upper
276 100
138 35.0 27.4 41.2
277 24.7 19.7 29.5

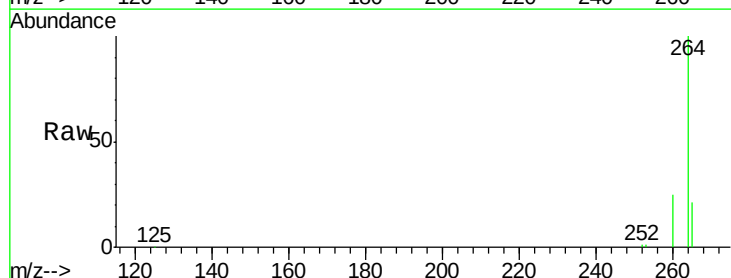


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

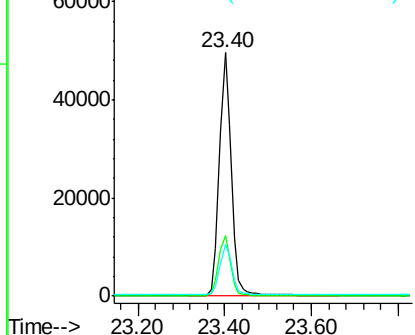
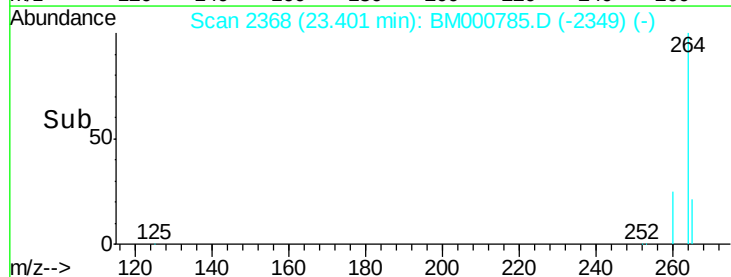


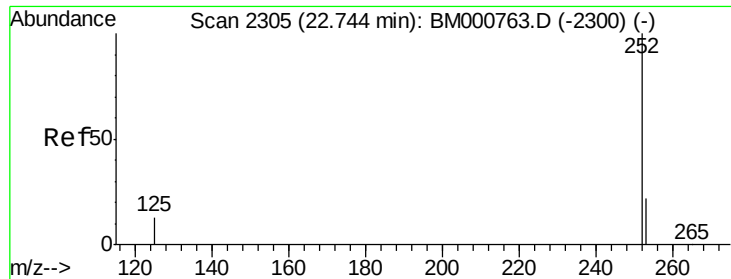
#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. -0.00 min
Lab File: BM000785.D
Acq: 01 Apr 2015 13:44

Tgt Ion:264 Resp: 94363
Ion Ratio Lower Upper
264 100
260 25.0 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

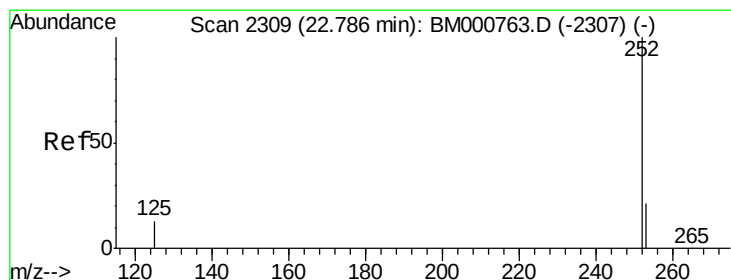
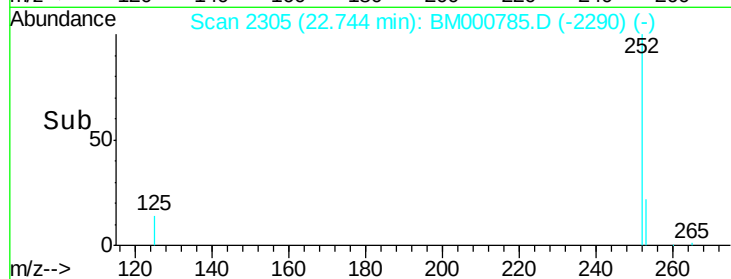
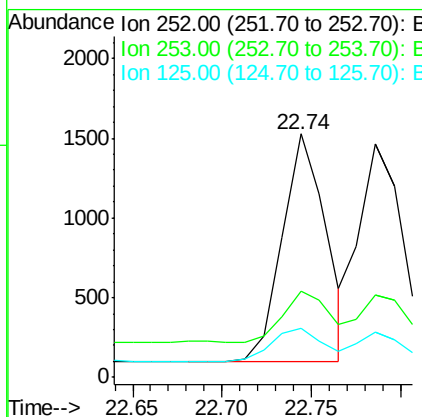
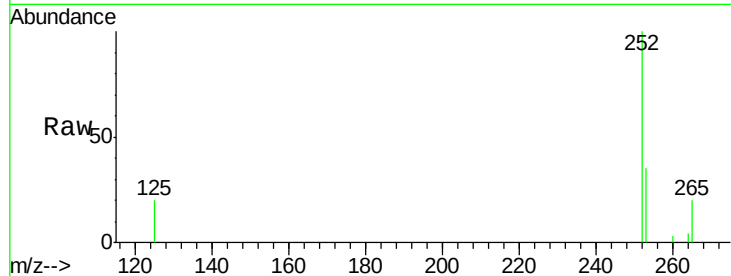




#26
Benzo(b)fluoranthene
Concen: 0.08 ng
RT: 22.74 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BM000785.D
Acq: 01 Apr 2015 13:44

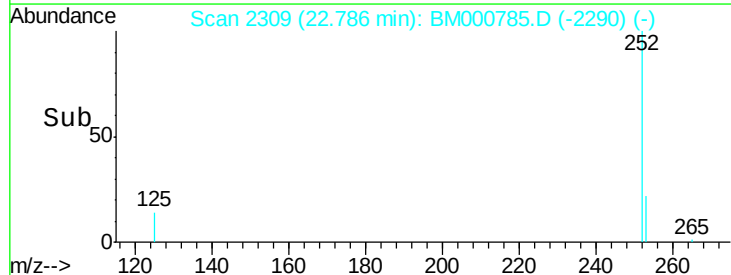
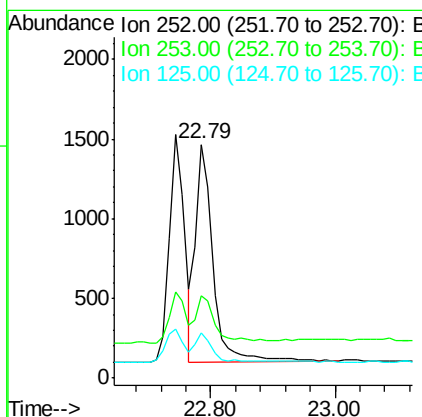
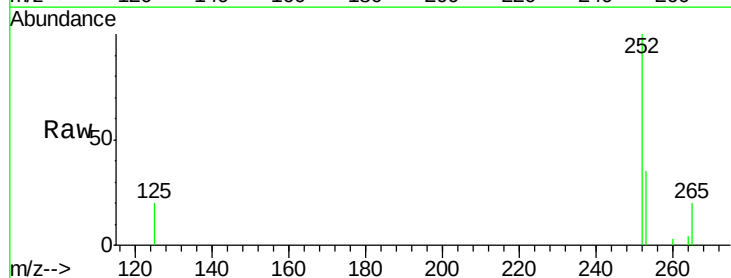
Instrument :
BNA_M
ClientSampleId :

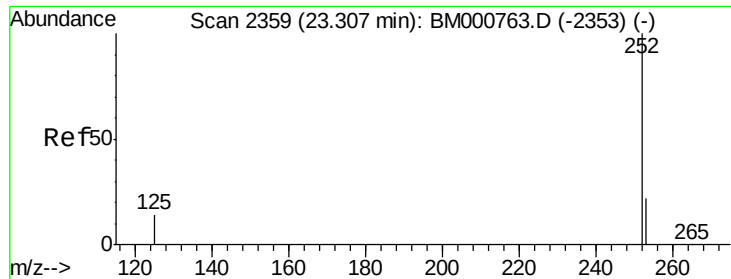
Tot Ion:252 Resp: 2448
Ion Ratio Lower Upper
252 100
253 35.3 18.5 27.7#
125 19.9 10.6 16.0#



#27
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 22.79 min Scan# 2309
Delta R.T. -0.00 min
Lab File: BM000785.D
Acq: 01 Apr 2015 13:44

Tgt Ion:252 Resp: 2610
Ion Ratio Lower Upper
252 100
253 35.2 17.9 26.9#
125 19.6 10.8 16.2#





#28

Benzo(a)pyrene

Concen: 0.09 ng

RT: 23.31 min Scan# 2359

Delta R.T. -0.00 min

Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

Instrument :

BNA_M

ClientSampleId :

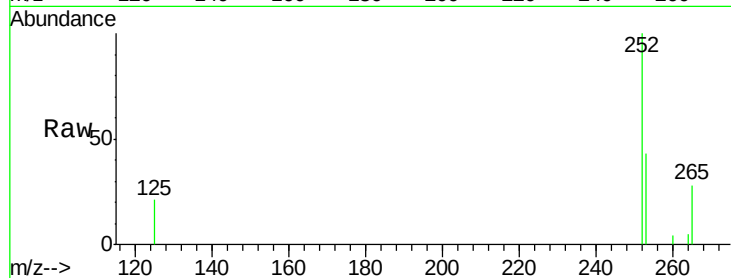
Tot Ion:252 Resp: 2188

Ion Ratio Lower Upper

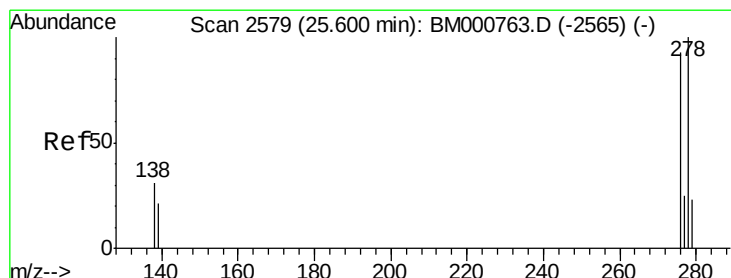
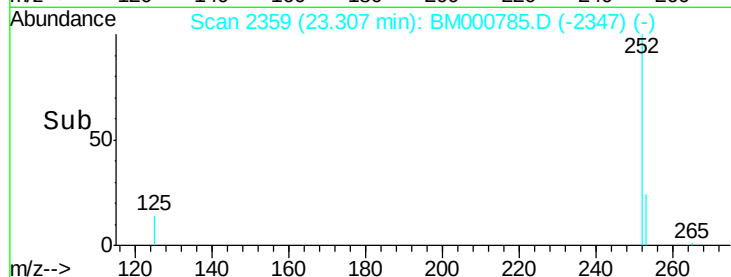
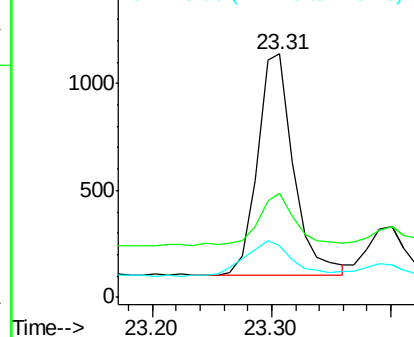
252 100

253 43.0 19.4 29.2#

125 21.3 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: 0.08 ng

RT: 25.60 min Scan# 2579

Delta R.T. -0.00 min

Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

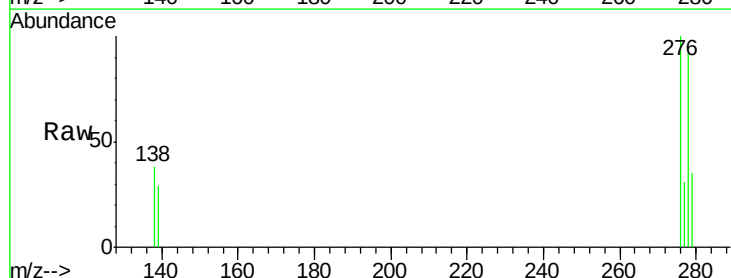
Tgt Ion:278 Resp: 2048

Ion Ratio Lower Upper

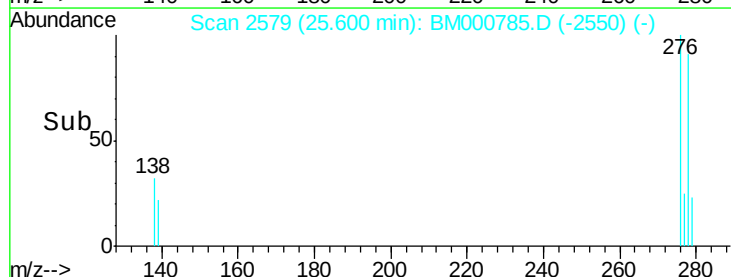
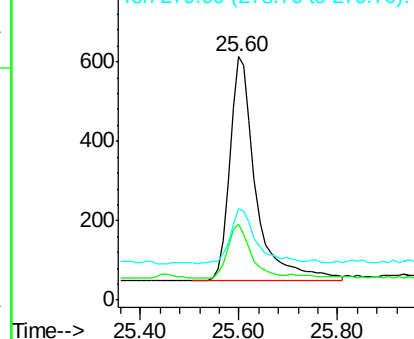
278 100

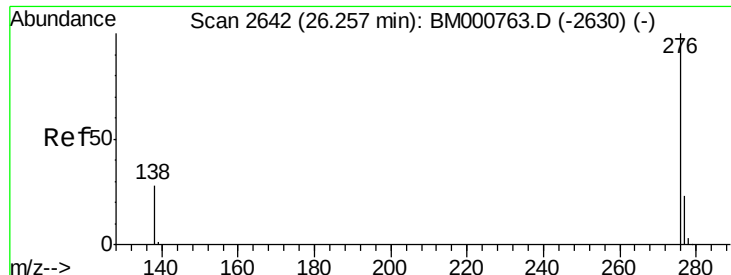
139 31.2 17.8 26.6#

279 37.7 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(a,h,i)perylene

Concen: 0.09 ng

RT: 26.26 min Scan# 2642

Delta R.T. -0.00 min

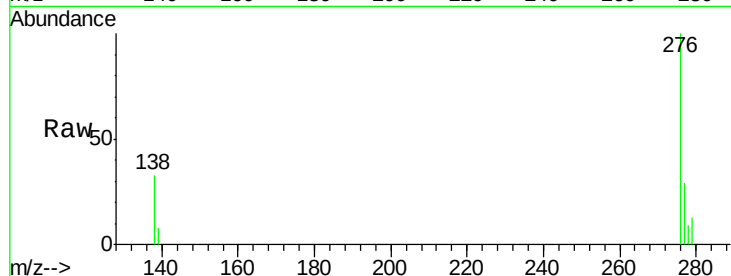
Lab File: BM000785.D

Acq: 01 Apr 2015 13:44

Instrument :

BNA_M

ClientSampleId :



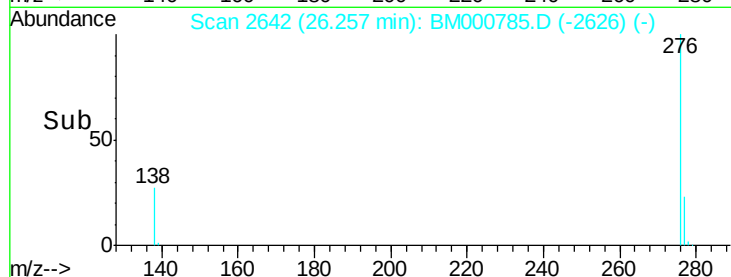
Tot Ion: 276 Resp: 2401

Ion Ratio Lower Upper

276 100

277 28.5 19.1 28.7

138 32.6 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

