

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000769.D
 Acq On : 01 Apr 2015 00:48
 Operator : TP/IZ
 Sample : MDL-BLK-S
 Misc : MDL-SOIL-BLK
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-BLK-S

Quant Time: Apr 01 15:08:22 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	39865	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	134295	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	64465	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	131359	5.00	ng	0.00
19) Chrysene-d12	21.21	240	113471	5.00	ng	0.00
25) Perylene-d12	23.40	264	108770	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	63043	7.66	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	183969	9.20	ng	0.00
21) Terphenyl-d14	19.66	244	133643	9.79	ng	0.00

Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.58	42	8	0.16	ng	# 1
6) Naphthalene	10.45	128	82	0.00	ng	# 1
7) 2-Methylnaphthalene	12.09	142	22	0.00	ng	# 58
10) Acenaphthylene	13.52	152	2	0.00	ng	# 1
11) Acenaphthene	14.26	154	301	0.02	ng	# 9
12) Fluorene	15.34	166	25	0.00	ng	# 94
14) Hexachlorobenzene	15.94	284	291	0.04	ng	# 43
15) Pentachlorophenol	16.70	266	2	0.36	ng	# 58
16) Phenanthrene	17.05	178	123	0.00	ng	# 83
17) Anthracene	17.15	178	60	0.00	ng	# 83
18) Fluoranthene	19.09	202	83	0.00	ng	# 93
20) Pyrene	19.45	202	96	0.00	ng	# 95
22) Benzo(a)anthracene	21.21	228	490	0.02	ng	# 81
23) Chrysene	21.21	228	490	0.01	ng	# 71
24) Indeno(1,2,3-cd)pyrene	25.60	276	250	0.01	ng	# 95
26) Benzo(b)fluoranthene	22.74	252	193	0.01	ng	# 1
27) Benzo(k)fluoranthene	22.80	252	178	0.01	ng	# 1
28) Benzo(a)pyrene	23.31	252	184	0.01	ng	# 1
29) Dibenzo(a,h)anthracene	25.61	278	227	0.01	ng	# 1
30) Benzo(g,h,i)perylene	26.27	276	232	0.01	ng	# 21

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 920

Delta R.T. 0.00 min

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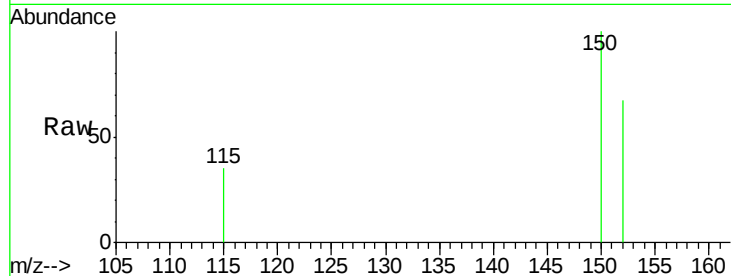
Tgt Ion:152 Resp: 39865

Ion Ratio Lower Upper

152 100

150 149.8 120.8 181.2

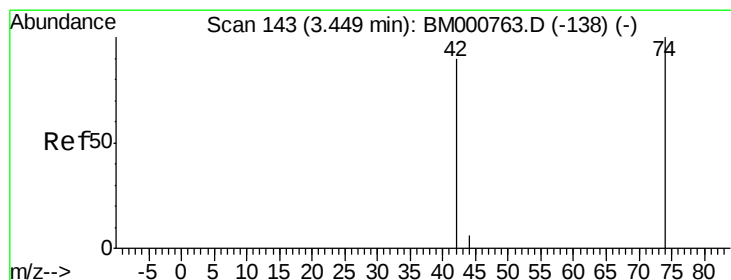
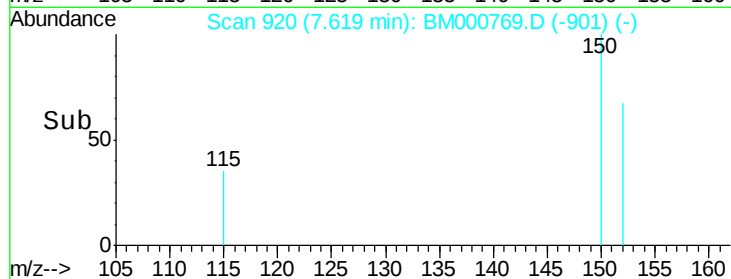
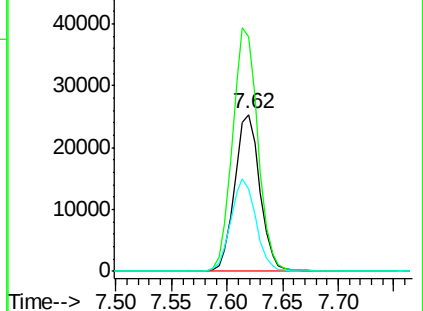
115 52.5 42.7 64.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

n-Nitrosodimethylamine

Concen: 0.16 ng

RT: 3.58 min Scan# 167

Delta R.T. 0.13 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

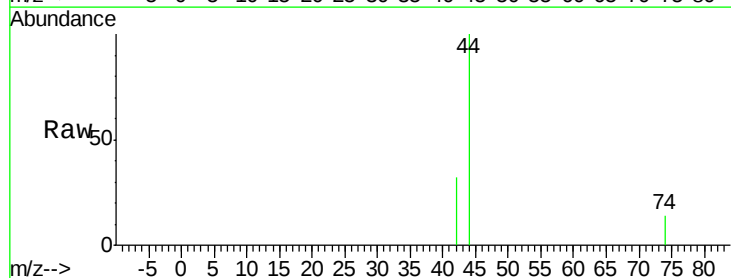
Tgt Ion: 42 Resp: 8

Ion Ratio Lower Upper

42 100

74 0.0 93.6 140.4#

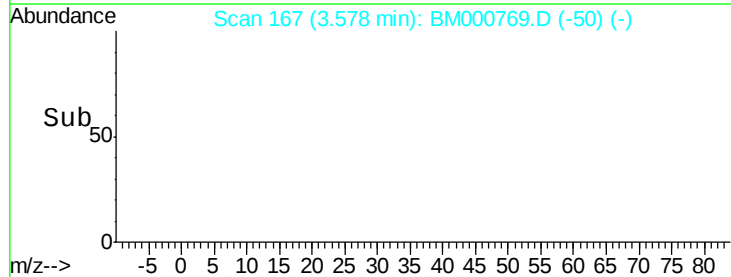
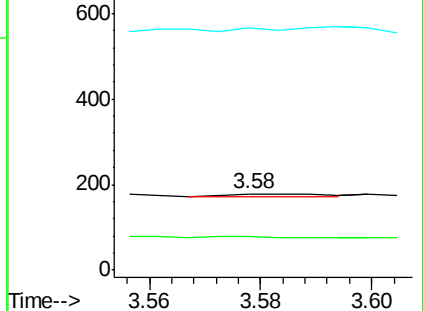
44 0.0 6.3 9.5#

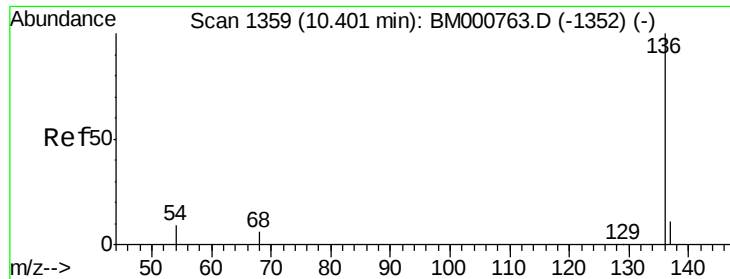


Abundance Ion 42.00 (41.70 to 42.70): BM0

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

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Acq: 01 Apr 2015 00:48

Instrument :

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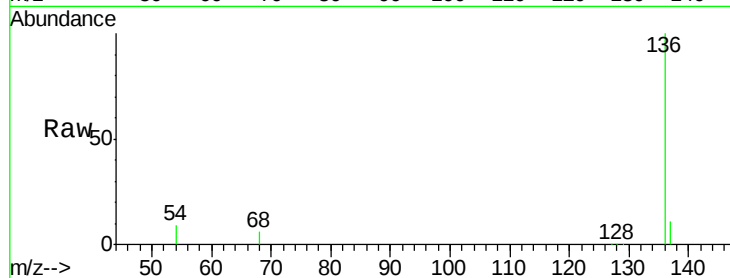
Tgt Ion: 136 Resp: 134295

Ion Ratio Lower Upper

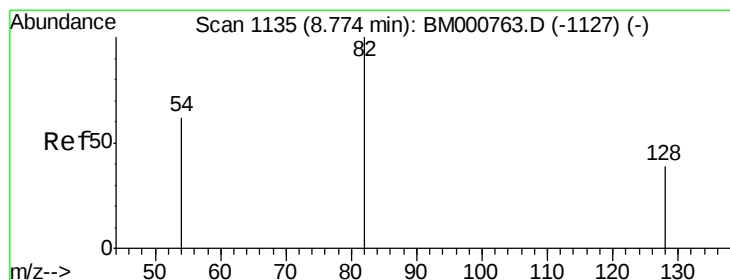
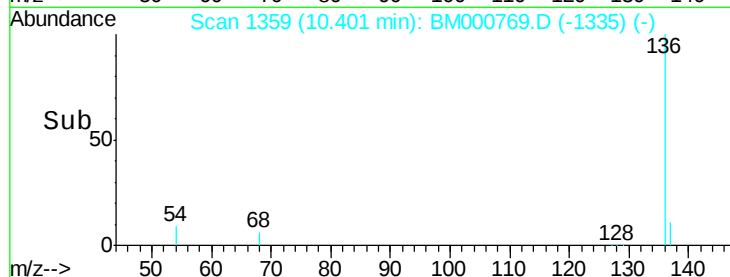
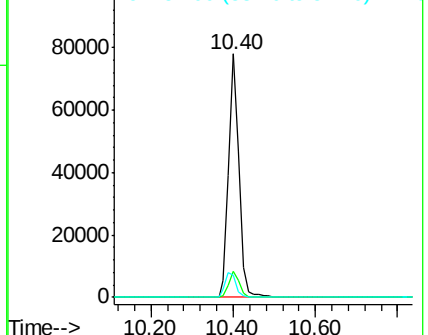
136 100

137 10.6 8.6 12.8

54 9.2 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: 7.66 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

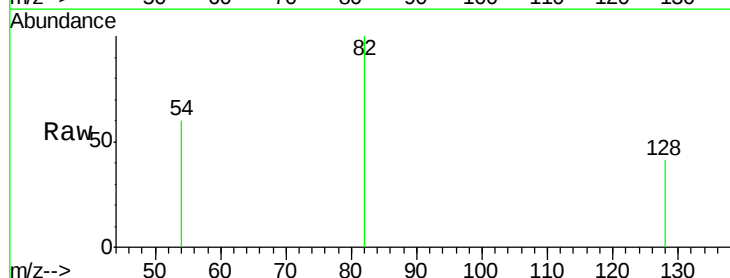
Tgt Ion: 82 Resp: 63043

Ion Ratio Lower Upper

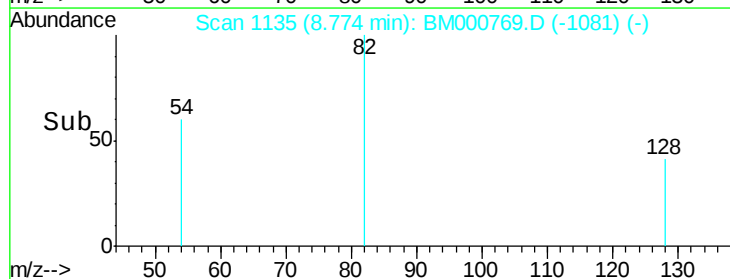
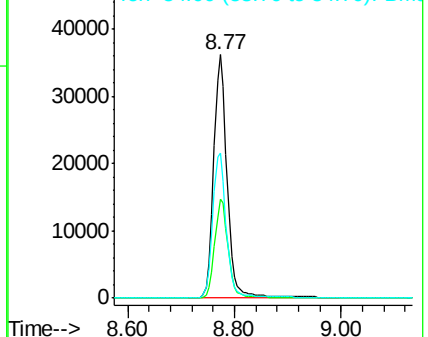
82 100

128 40.9 32.2 48.2

54 59.6 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: 0.00 ng

RT: 10.45 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S

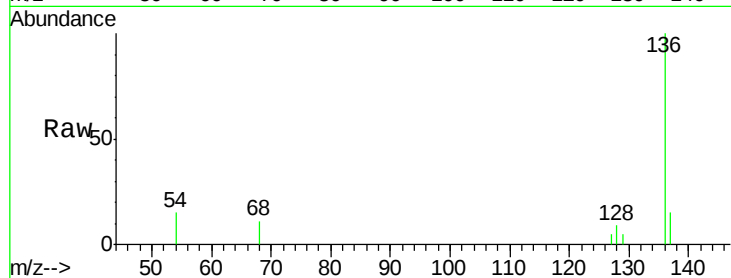
Tgt Ion:128 Resp: 82

Ion Ratio Lower Upper

128 100

129 61.4 8.9 13.3#

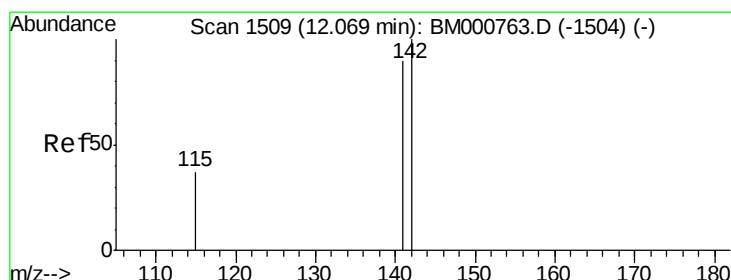
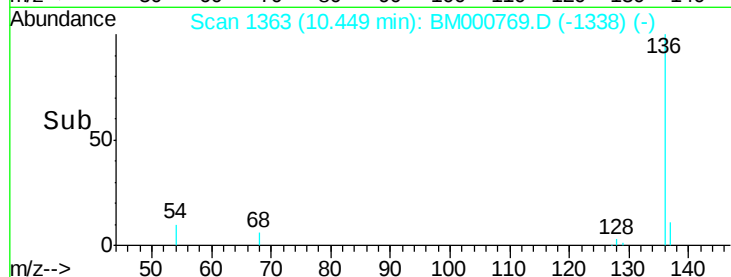
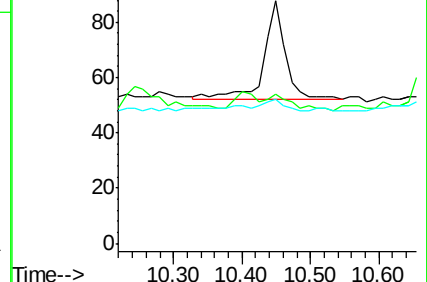
127 59.1 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.09 min Scan# 1511

Delta R.T. 0.02 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

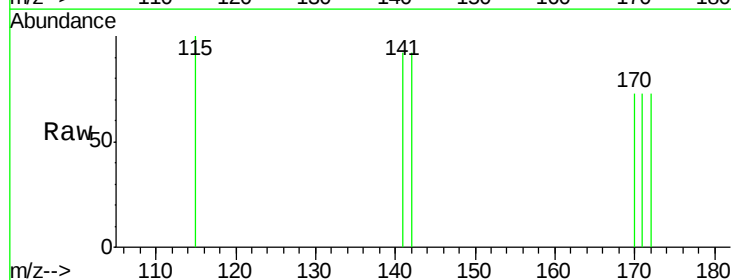
Tgt Ion:142 Resp: 22

Ion Ratio Lower Upper

142 100

141 100.0 72.3 108.5

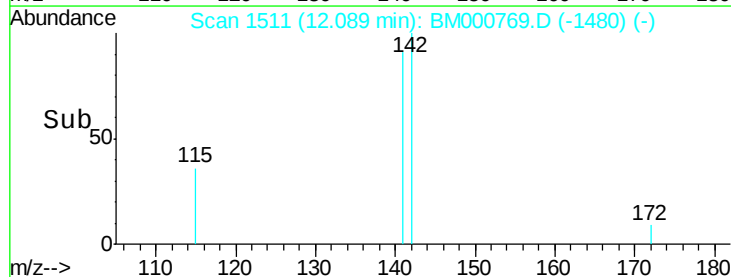
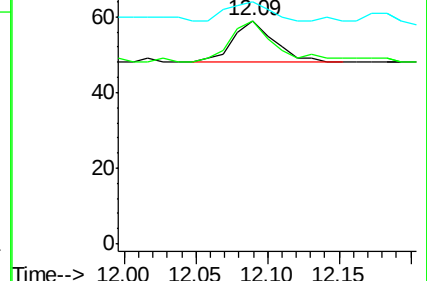
115 108.5 29.5 44.3#



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: BM000769.D

Acq: 01 Apr 2015 00:48

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S

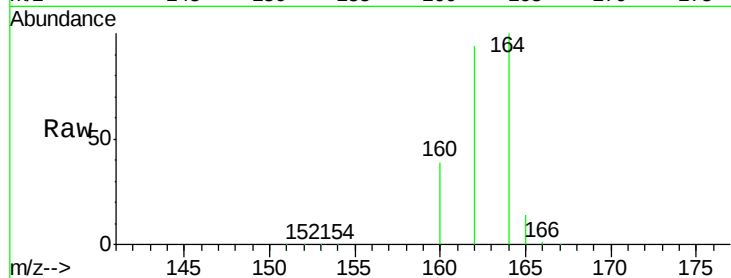
Tgt Ion:164 Resp: 64465

Ion Ratio Lower Upper

164 100

162 94.5 75.4 113.2

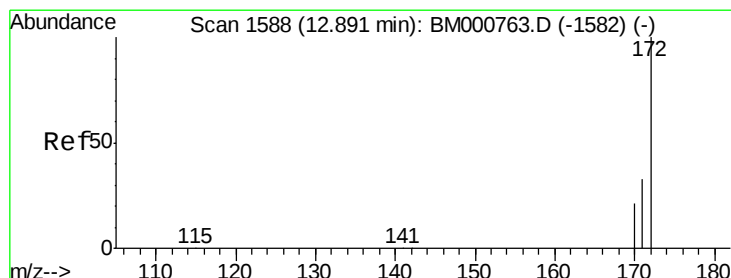
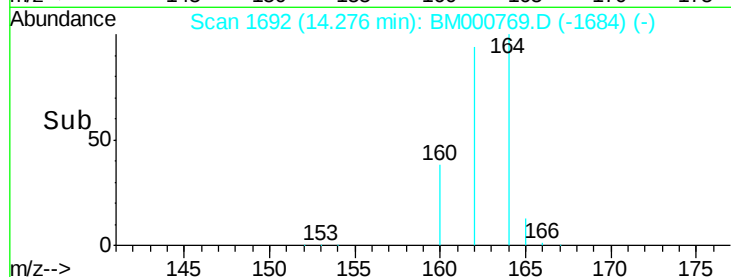
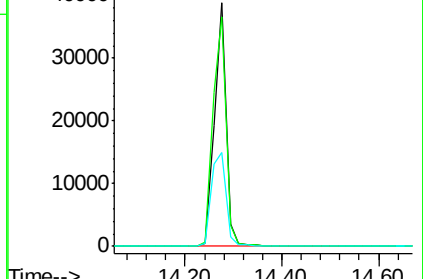
160 38.5 30.8 46.2



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: 9.20 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

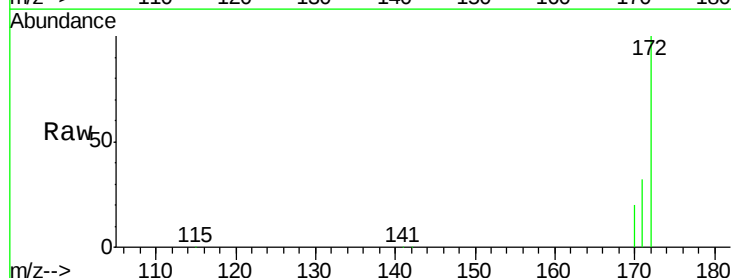
Tgt Ion:172 Resp: 183969

Ion Ratio Lower Upper

172 100

171 32.4 26.6 39.8

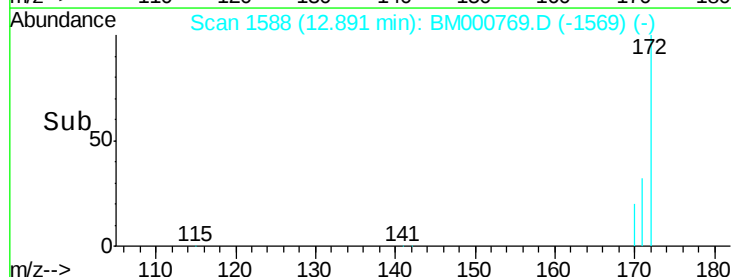
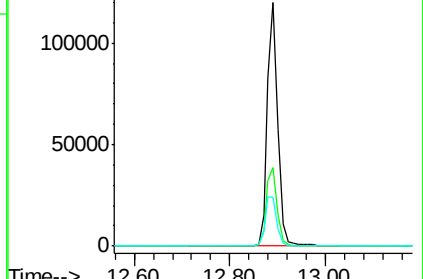
170 20.3 17.1 25.7

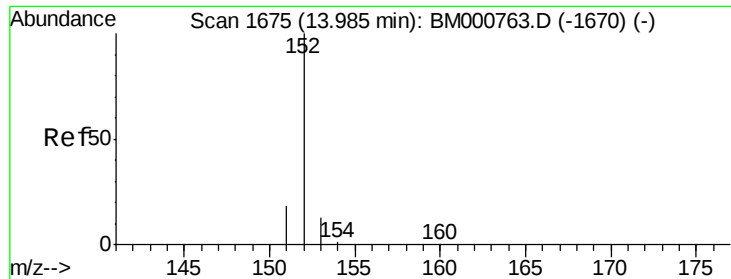


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthylene

Concen: 0.00 ng

RT: 13.52 min Scan# 1648

Delta R.T. -0.46 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

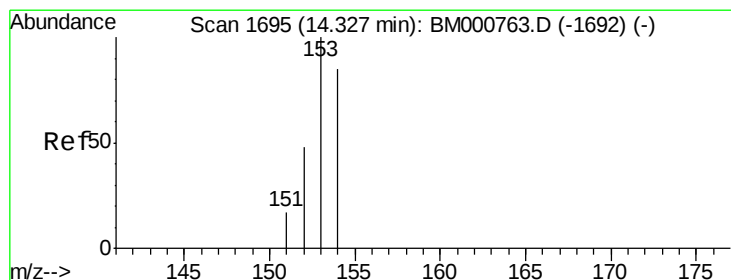
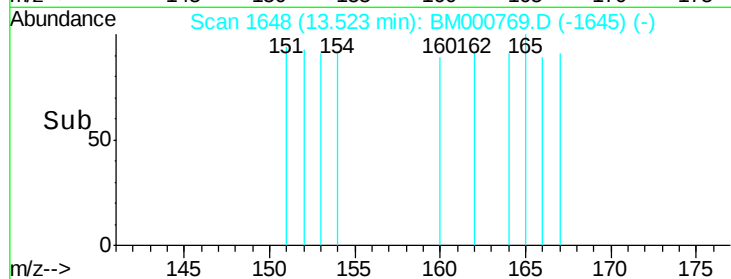
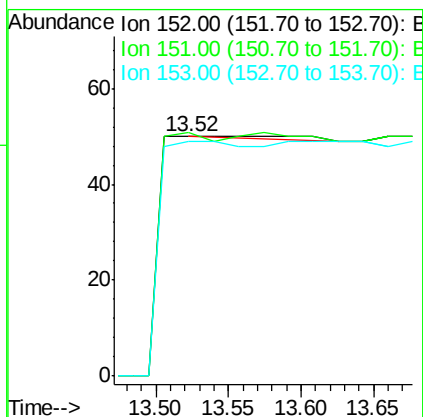
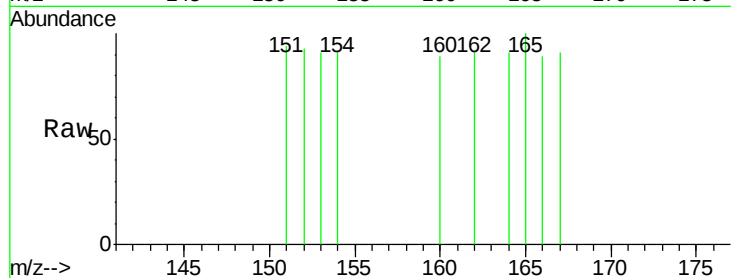
Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S

Tgt Ion:	152	Resp:	2
Ion	Ratio	Lower	Upper
152	100		
151	100.0	15.1	22.7#
153	100.0	10.2	15.4#



#11

Acenaphthene

Concen: 0.02 ng

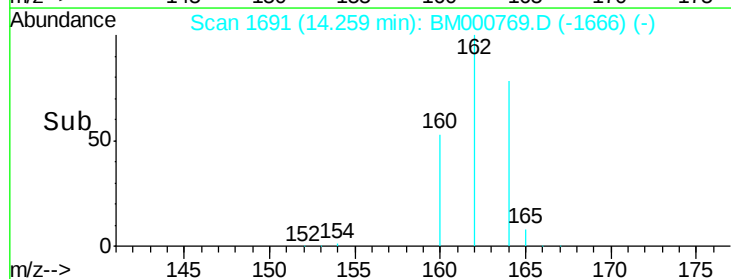
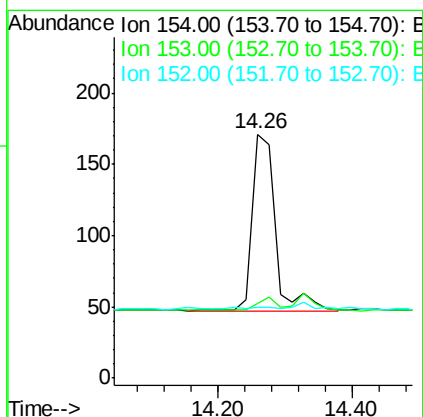
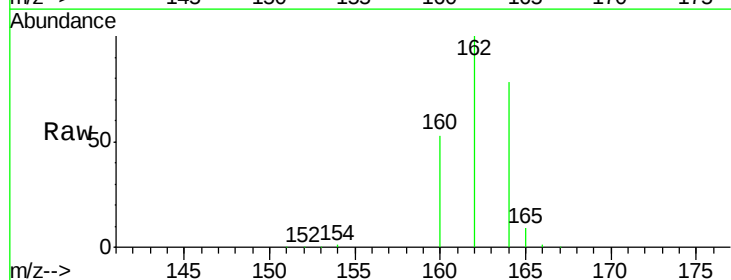
RT: 14.26 min Scan# 1691

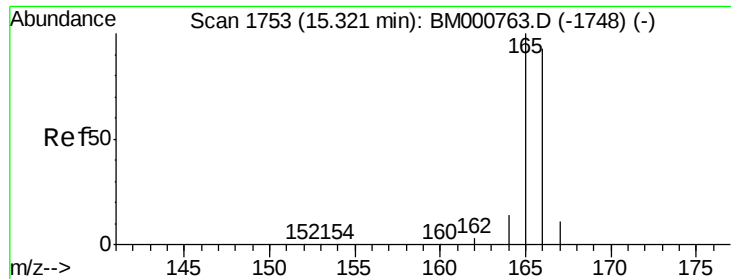
Delta R.T. -0.07 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

Tgt Ion:	154	Resp:	301
Ion	Ratio	Lower	Upper
154	100		
153	5.0	87.3	130.9#
152	0.0	43.0	64.6#





#12

Fluorene

Concen: 0.00 ng

RT: 15.34 min Scan# 1754

Delta R.T. 0.02 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

Instrument :

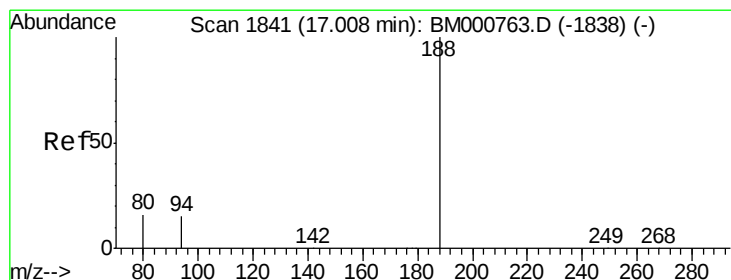
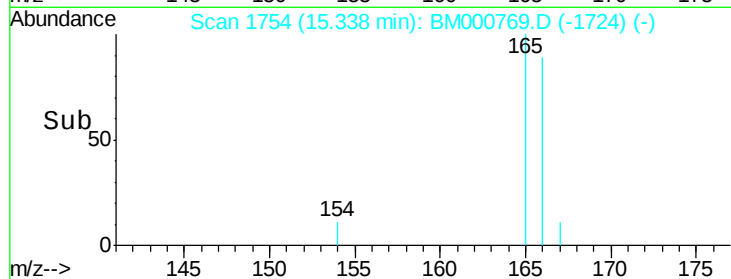
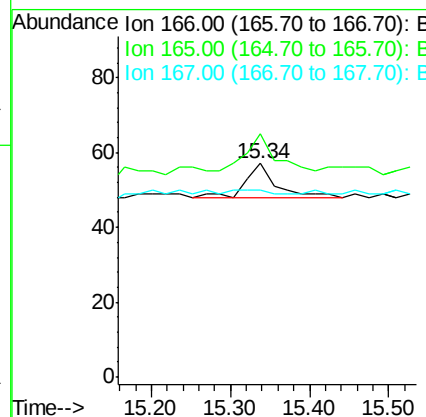
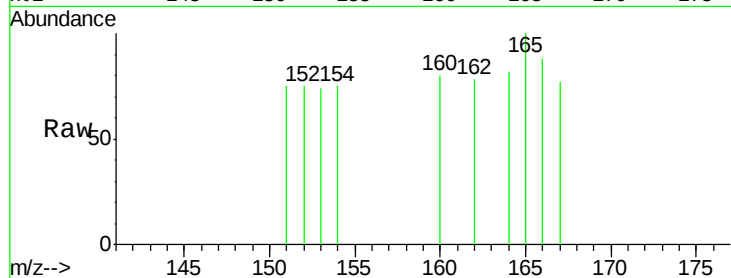
BNA_M

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Tgt Ion:166 Resp: 25

Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.2	117.2
167	0.0	10.7	16.1#



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 1841

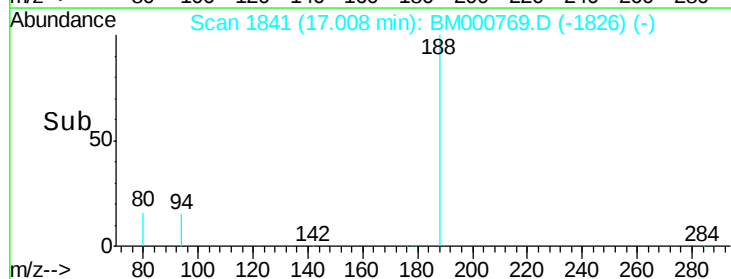
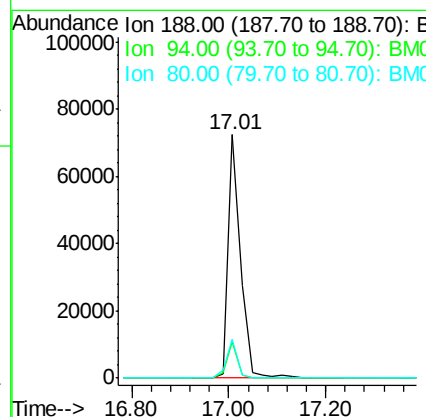
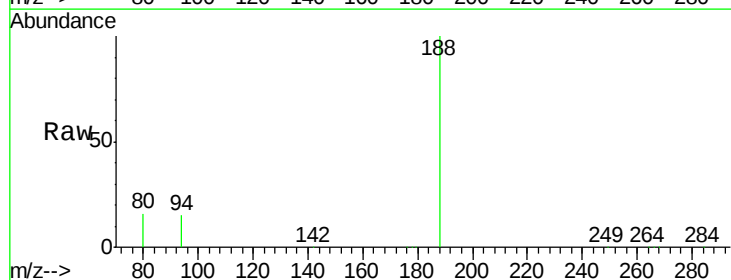
Delta R.T. 0.00 min

Lab File: BM000769.D

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Tgt Ion:188 Resp: 131359

Ion	Ratio	Lower	Upper
188	100		
94	15.1	12.0	18.0
80	16.2	12.8	19.2

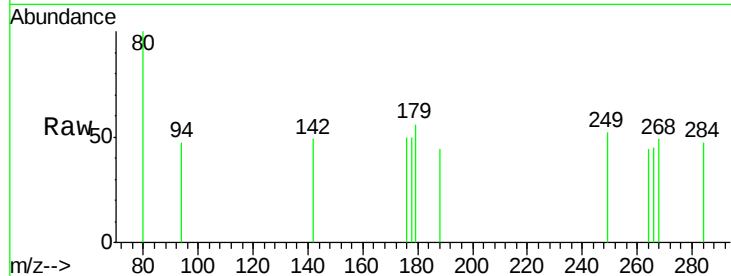




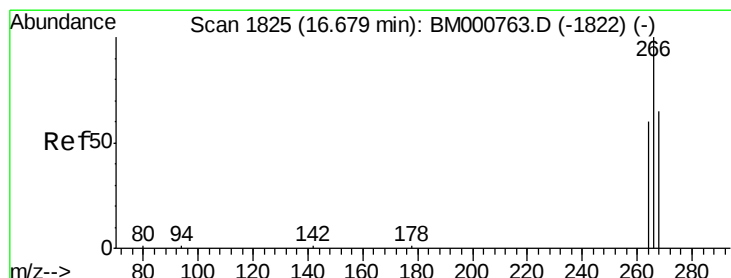
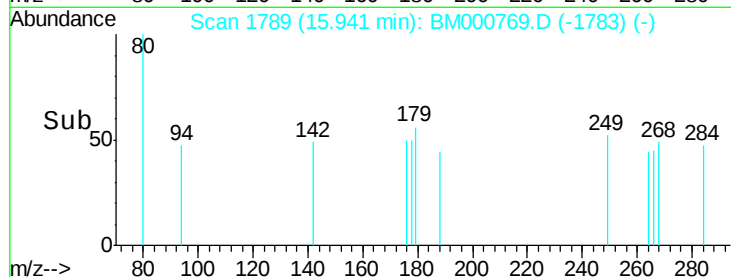
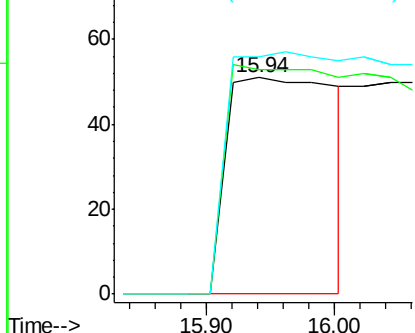
#14
Hexachlorobenzene
Concen: 0.04 ng
RT: 15.94 min Scan# 1789
Delta R.T. -0.39 min
Lab File: BM000769.D
Acq: 01 Apr 2015 00:48

Instrument :
BNA_M
ClientSampleId :
MDL-BLK-S

Tgt Ion: 284 Resp: 291
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 25.2 37.8#

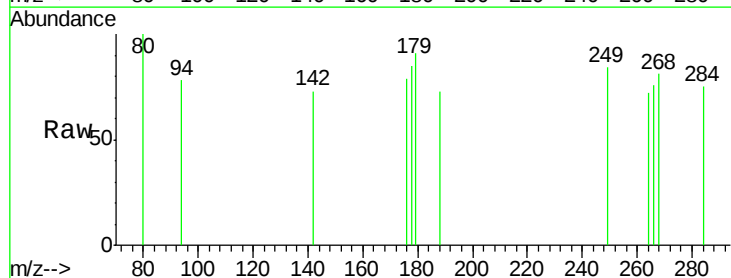


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

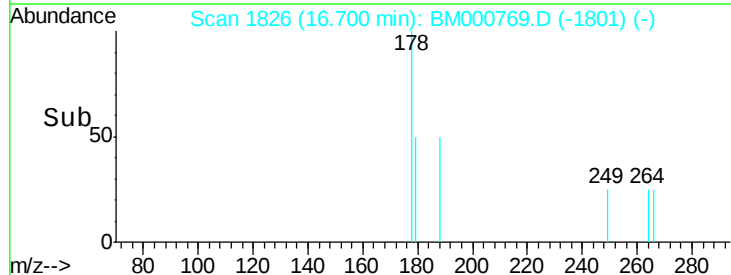
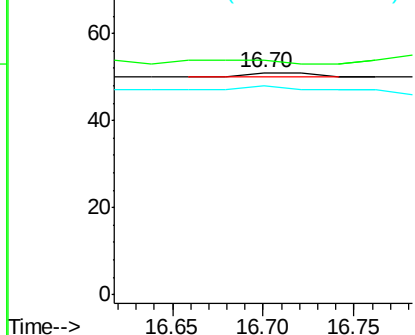


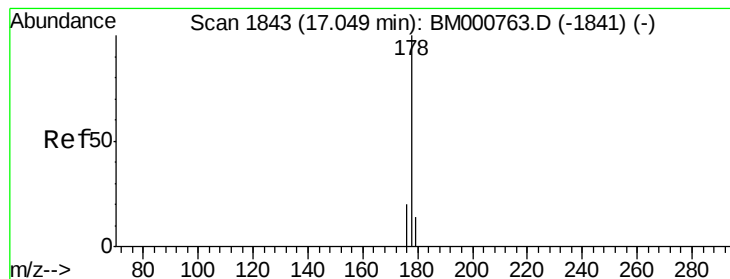
#15
Pentachlorophenol
Concen: 0.36 ng
RT: 16.70 min Scan# 1826
Delta R.T. 0.02 min
Lab File: BM000769.D
Acq: 01 Apr 2015 00:48

Tgt Ion: 266 Resp: 2
Ion Ratio Lower Upper
266 100
268 105.9 55.0 82.6#
264 94.1 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: 0.00 ng

RT: 17.05 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S

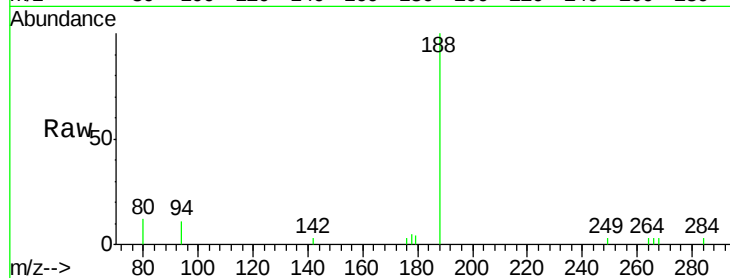
Tgt Ion:178 Resp: 123

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

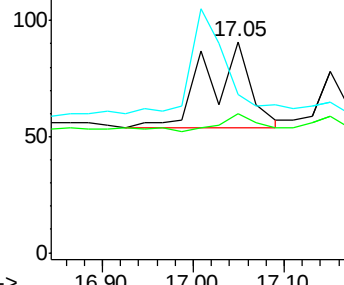
179 0.0 12.2 18.2#



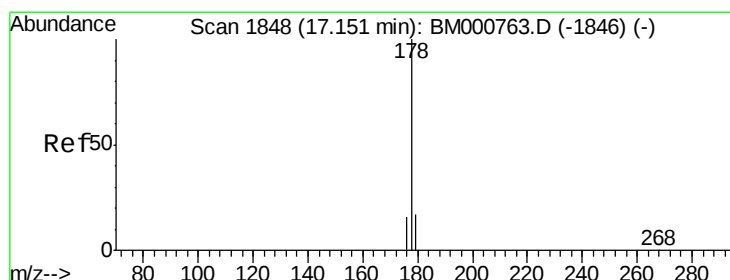
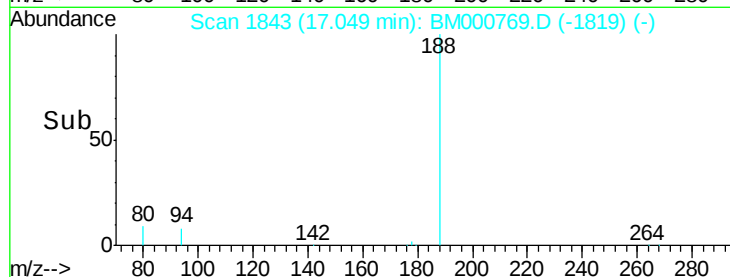
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#17

Anthracene

Concen: 0.00 ng

RT: 17.15 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

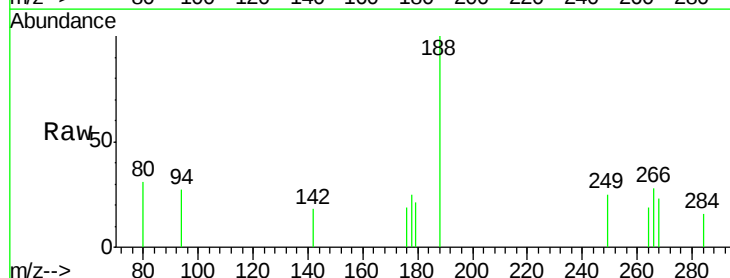
Tgt Ion:178 Resp: 60

Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

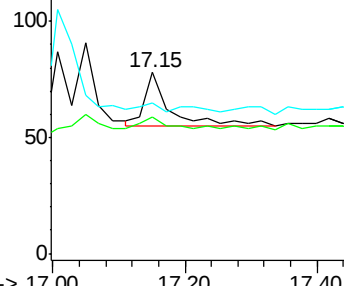
179 0.0 12.2 18.4#



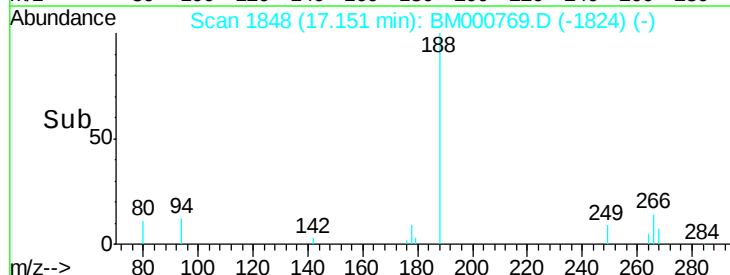
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

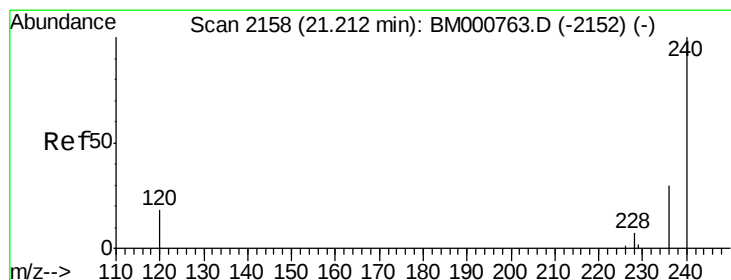
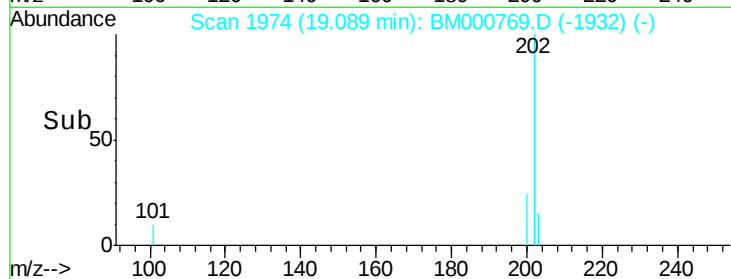
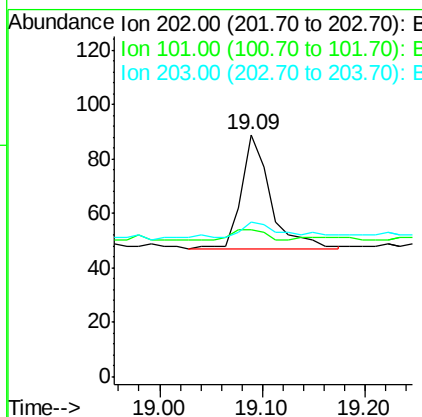
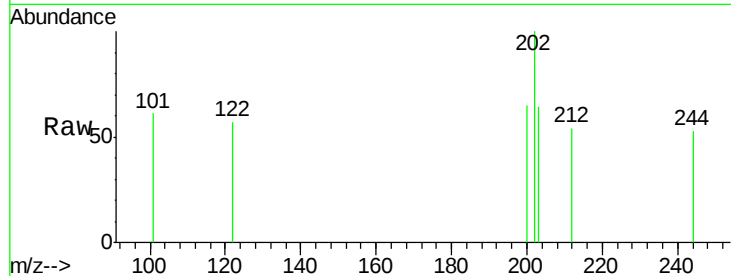




#18
 Fluoranthene
 Concen: 0.00 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000769.D
 Acq: 01 Apr 2015 00:48

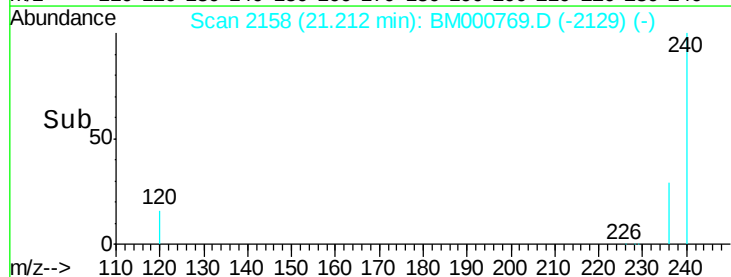
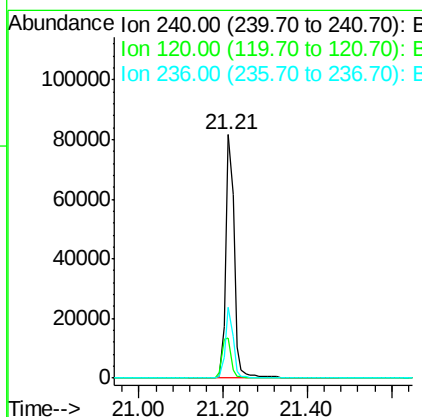
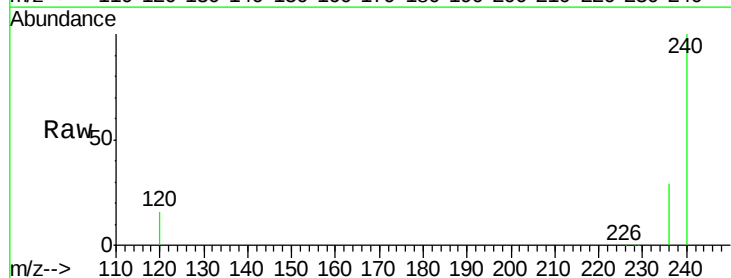
Instrument :
 BNA_M
 ClientSampleId :
 MDL-BLK-S

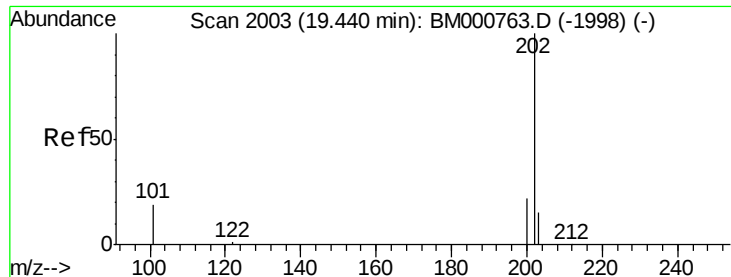
Tgt Ion: 202 Resp: 83
 Ion Ratio Lower Upper
 202 100
 101 10.8 10.5 15.7
 203 20.5 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000769.D
 Acq: 01 Apr 2015 00:48

Tgt Ion: 240 Resp: 113471
 Ion Ratio Lower Upper
 240 100
 120 16.4 14.9 22.3
 236 29.1 24.2 36.4

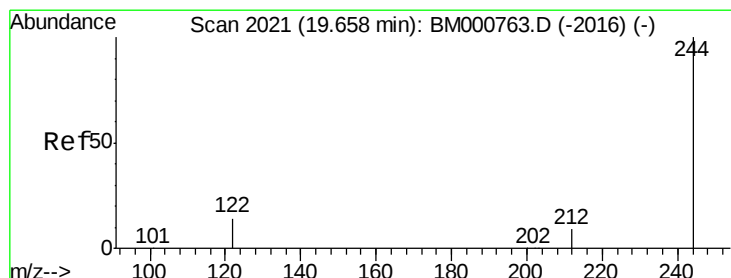
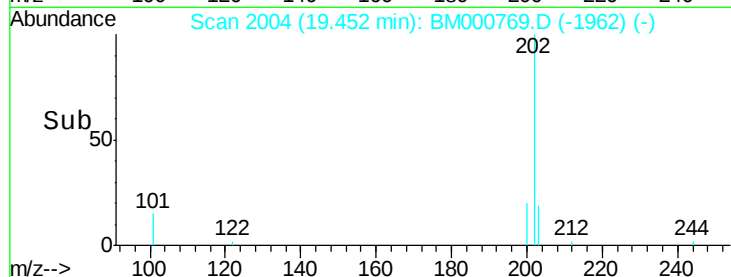
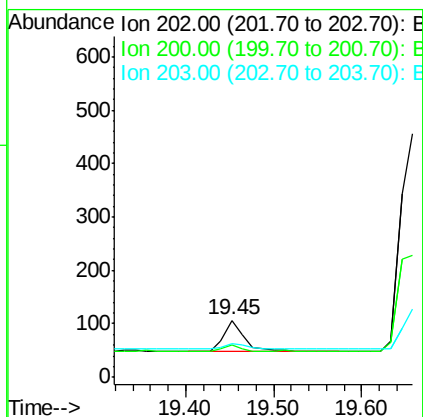
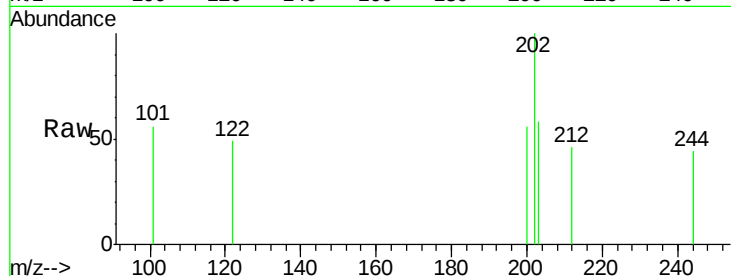




#20
Pyrene
Concen: 0.00 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000769.D
Acq: 01 Apr 2015 00:48

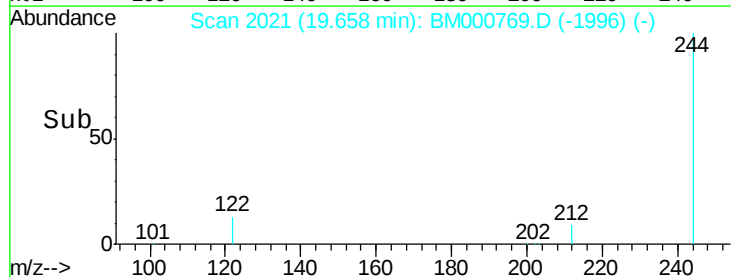
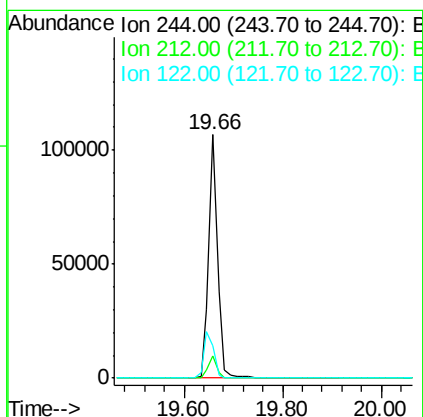
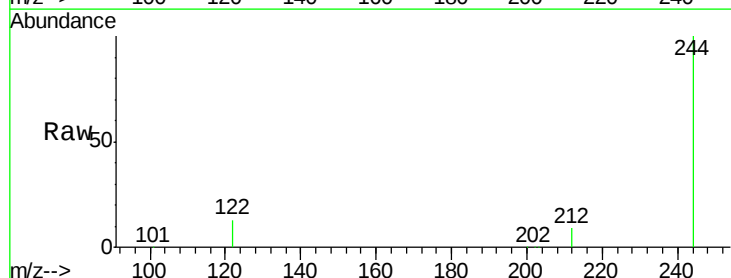
Instrument :
BNA_M
ClientSampleId :
MDL-BLK-S

Tgt Ion:202 Resp: 96
Ion Ratio Lower Upper
202 100
200 19.8 16.2 24.2
203 21.9 13.9 20.9#



#21
Terphenyl-d14
Concen: 9.79 ng
RT: 19.66 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000769.D
Acq: 01 Apr 2015 00:48

Tgt Ion:244 Resp: 133643
Ion Ratio Lower Upper
244 100
212 9.2 7.8 11.6
122 13.4 11.8 17.8





#22

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.21 min Scan# 2158

Delta R.T. 0.01 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S

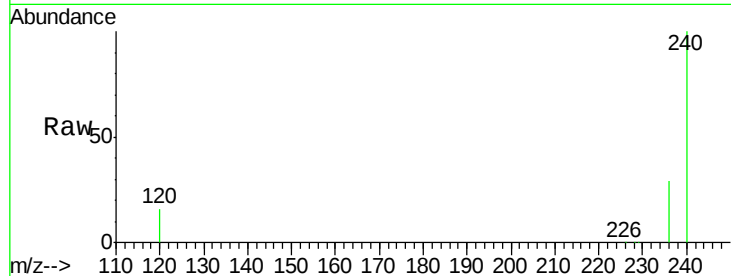
Tgt Ion:228 Resp: 490

Ion Ratio Lower Upper

228 100

226 22.4 18.6 27.8

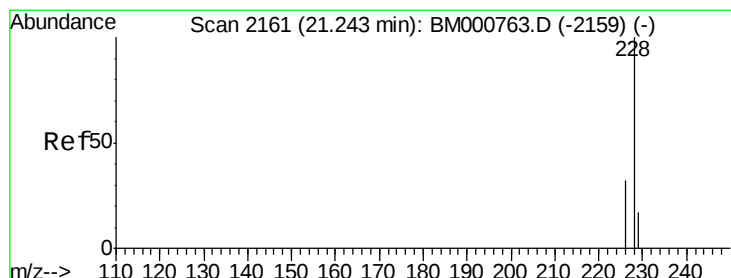
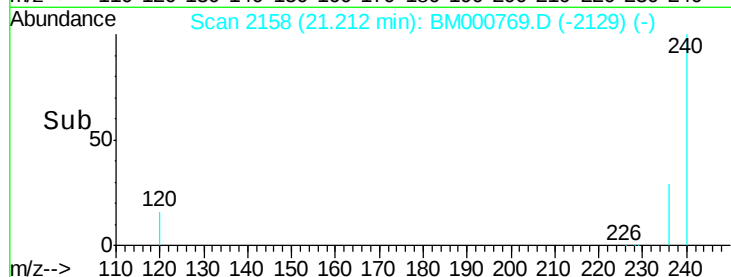
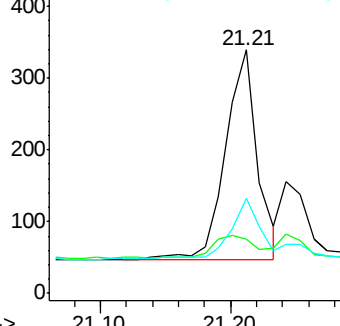
229 38.9 17.2 25.8#



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: 0.01 ng

RT: 21.21 min Scan# 2158

Delta R.T. -0.03 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

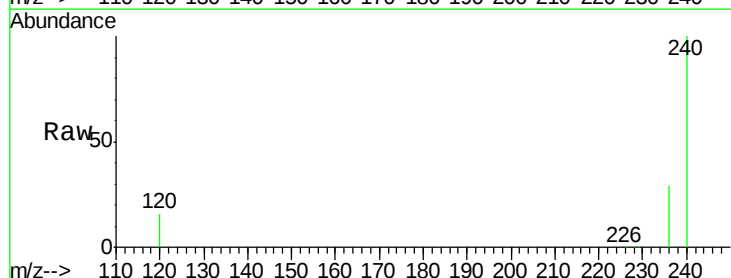
Tgt Ion:228 Resp: 490

Ion Ratio Lower Upper

228 100

226 22.4 25.8 38.8#

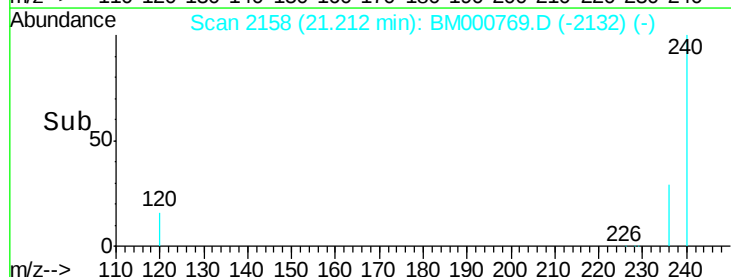
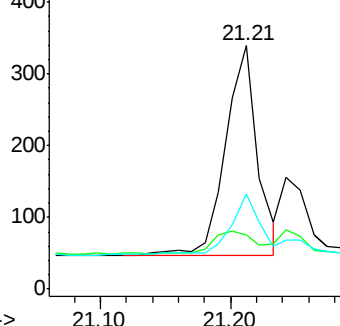
229 38.9 13.8 20.6#



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

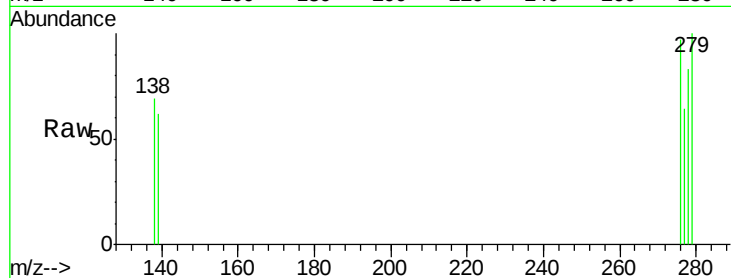




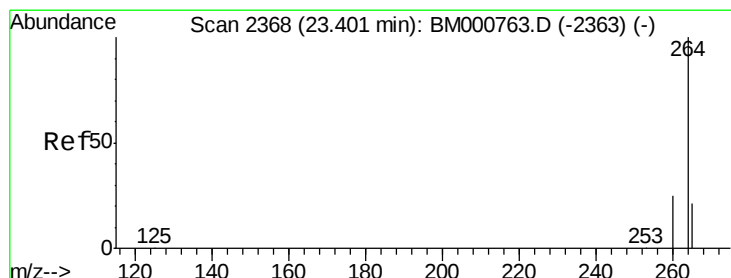
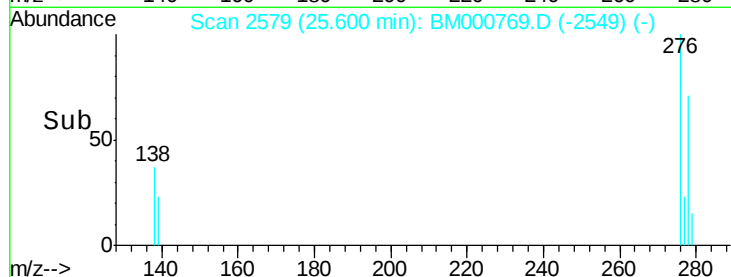
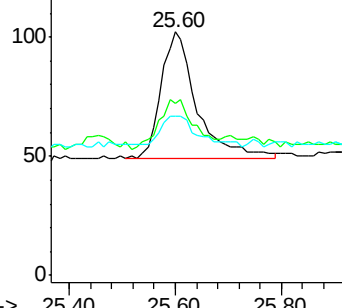
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.01 ng
RT: 25.60 min Scan# 2579
Delta R.T. 0.01 min
Lab File: BM000769.D
Acq: 01 Apr 2015 00:48

Instrument :
BNA_M
ClientSampleId :
MDL-BLK-S

Tgt Ion: 276 Resp: 250
Ion Ratio Lower Upper
276 100
138 38.8 27.4 41.2
277 24.8 19.7 29.5

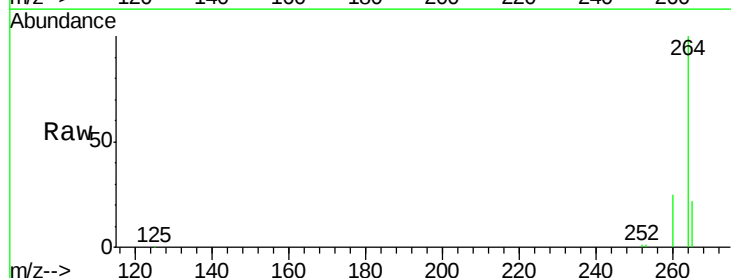


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

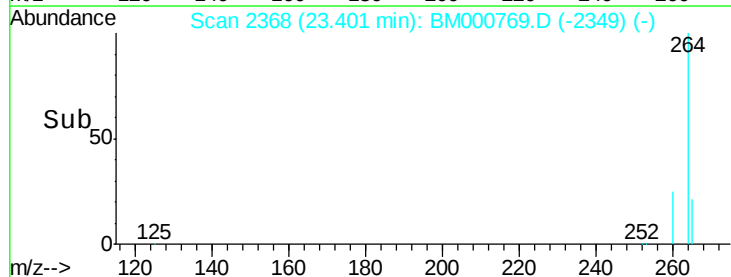
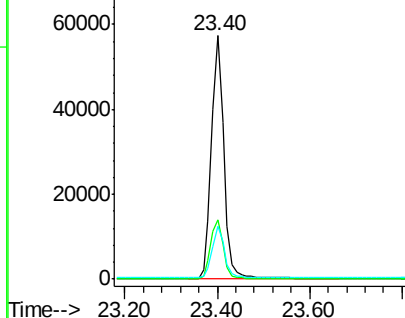


#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. 0.00 min
Lab File: BM000769.D
Acq: 01 Apr 2015 00:48

Tgt Ion: 264 Resp: 108770
Ion Ratio Lower Upper
264 100
260 24.6 20.1 30.1
265 21.5 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: 0.01 ng

RT: 22.74 min Scan# 2305

Delta R.T. 0.00 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S

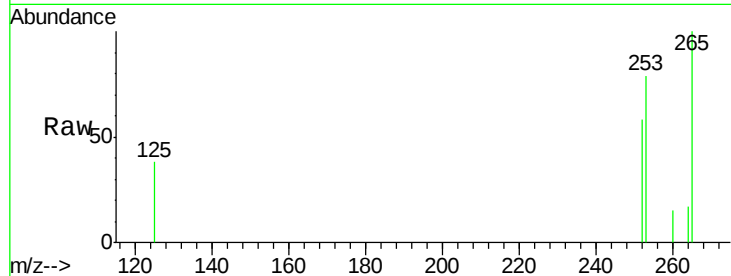
Tgt Ion:252 Resp: 193

Ion Ratio Lower Upper

252 100

253 135.9 18.5 27.7#

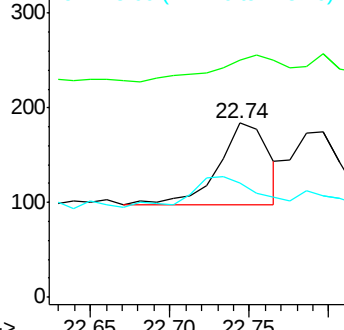
125 65.2 10.6 16.0#



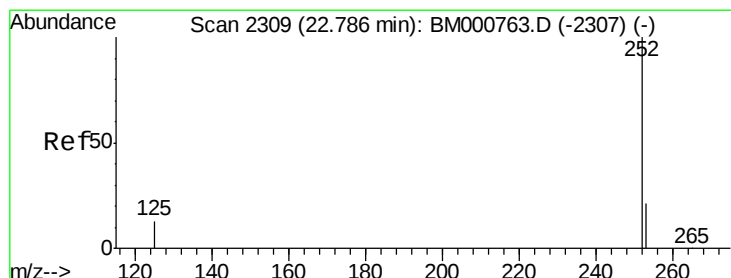
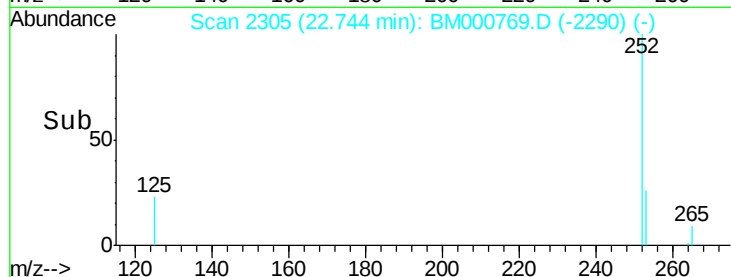
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#27

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 22.80 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

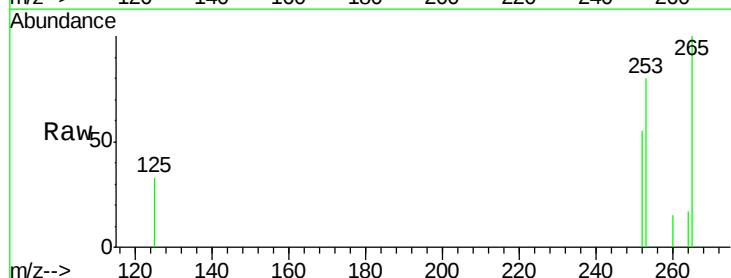
Tgt Ion:252 Resp: 178

Ion Ratio Lower Upper

252 100

253 146.9 17.9 26.9#

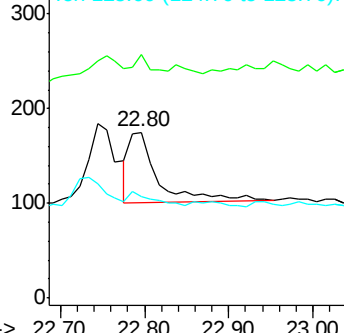
125 61.1 10.8 16.2#



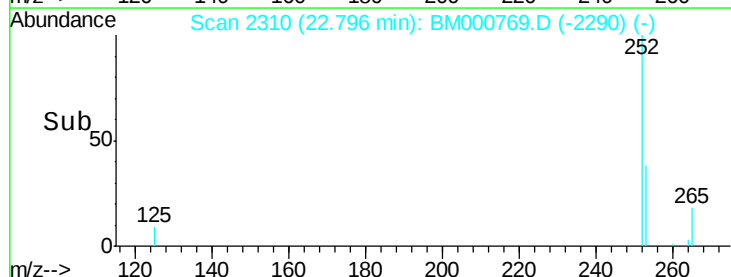
Abundance Ion 252.00 (251.70 to 252.70): E

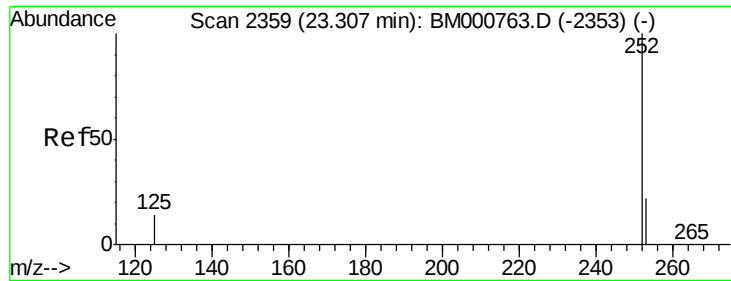
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#28

Benzo(a)pyrene

Concen: 0.01 ng

RT: 23.31 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S

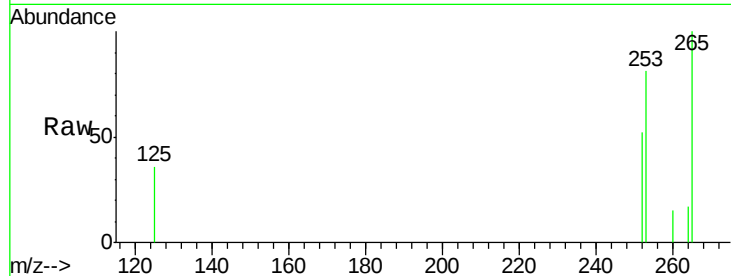
Tgt Ion: 252 Resp: 184

Ion Ratio Lower Upper

252 100

253 155.8 19.4 29.2#

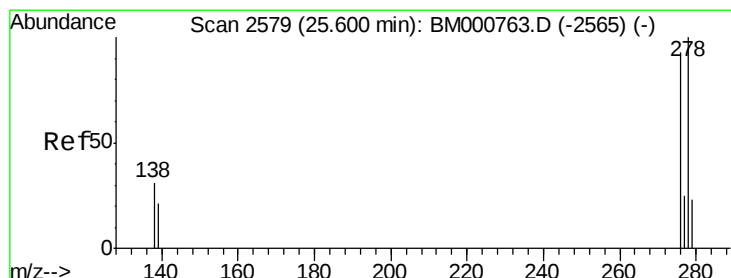
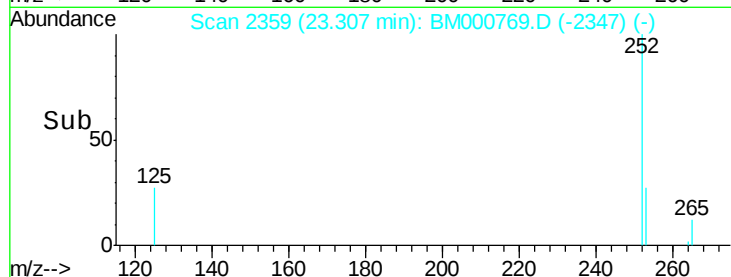
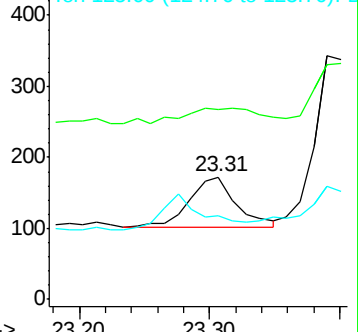
125 68.6 11.5 17.3#



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: 0.01 ng

RT: 25.61 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BM000769.D

Acq: 01 Apr 2015 00:48

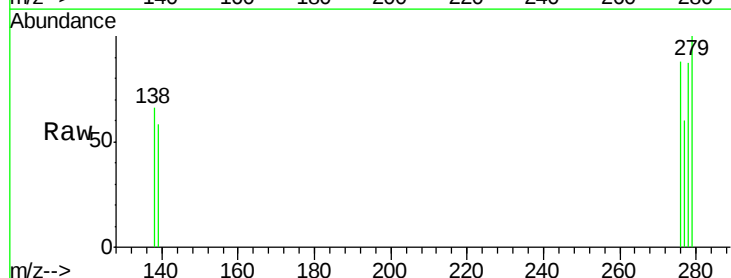
Tgt Ion: 278 Resp: 227

Ion Ratio Lower Upper

278 100

139 67.0 17.8 26.6#

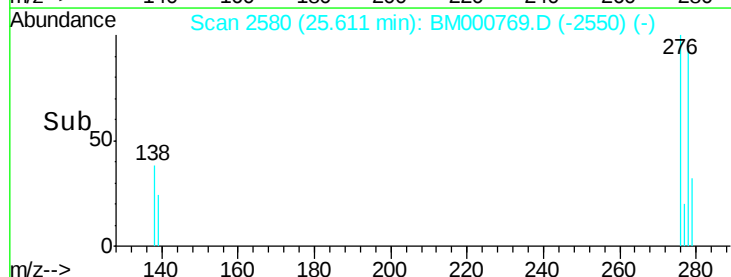
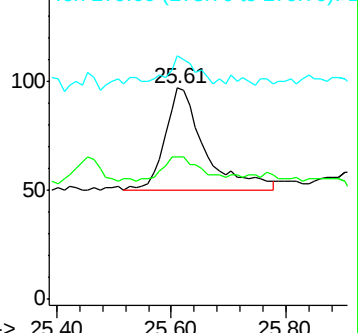
279 115.5 19.3 28.9#



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: 0.01 ng

RT: 26.27 min Scan# 2643

Delta R.T. 0.01 min

Lab File: BM000769.D

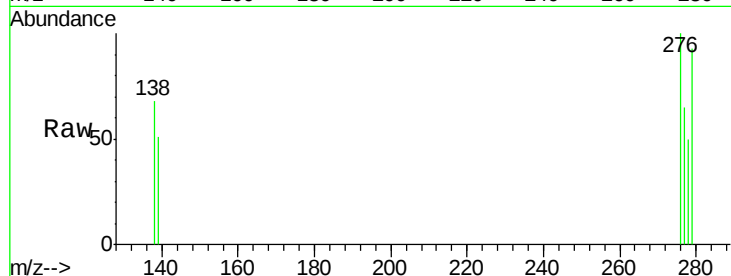
Acq: 01 Apr 2015 00:48

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S



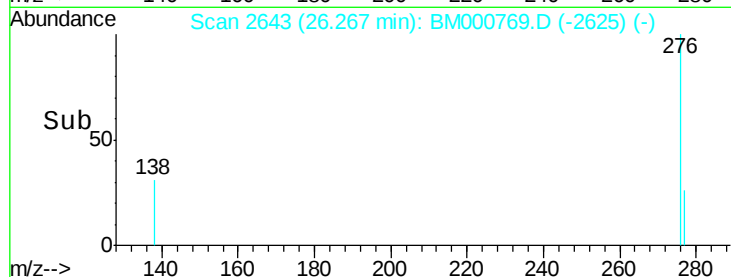
Tgt Ion: 276 Resp: 232

Ion Ratio Lower Upper

276 100

277 65.4 19.1 28.7#

138 68.2 23.1 34.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

