

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003835.D
 Acq On : 28 Dec 2015 19:10
 Operator : SJ/UM
 Sample : PB87361BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK61

Quant Time: Dec 29 07:13:07 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3967	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	17746	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.33	164	10647	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	1501259	0.40	ng/ul	0.10
18) Chrysene-d12	21.28	240	15022	0.40	ng/ul	0.00
22) Perylene-d12	23.38	264	1034020	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	23926	14.11	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.07	152	8605	0.40	ng/ul	0.00
16) Fluoranthene-d10	19.37	212	708	0.00	ng/ul	0.25

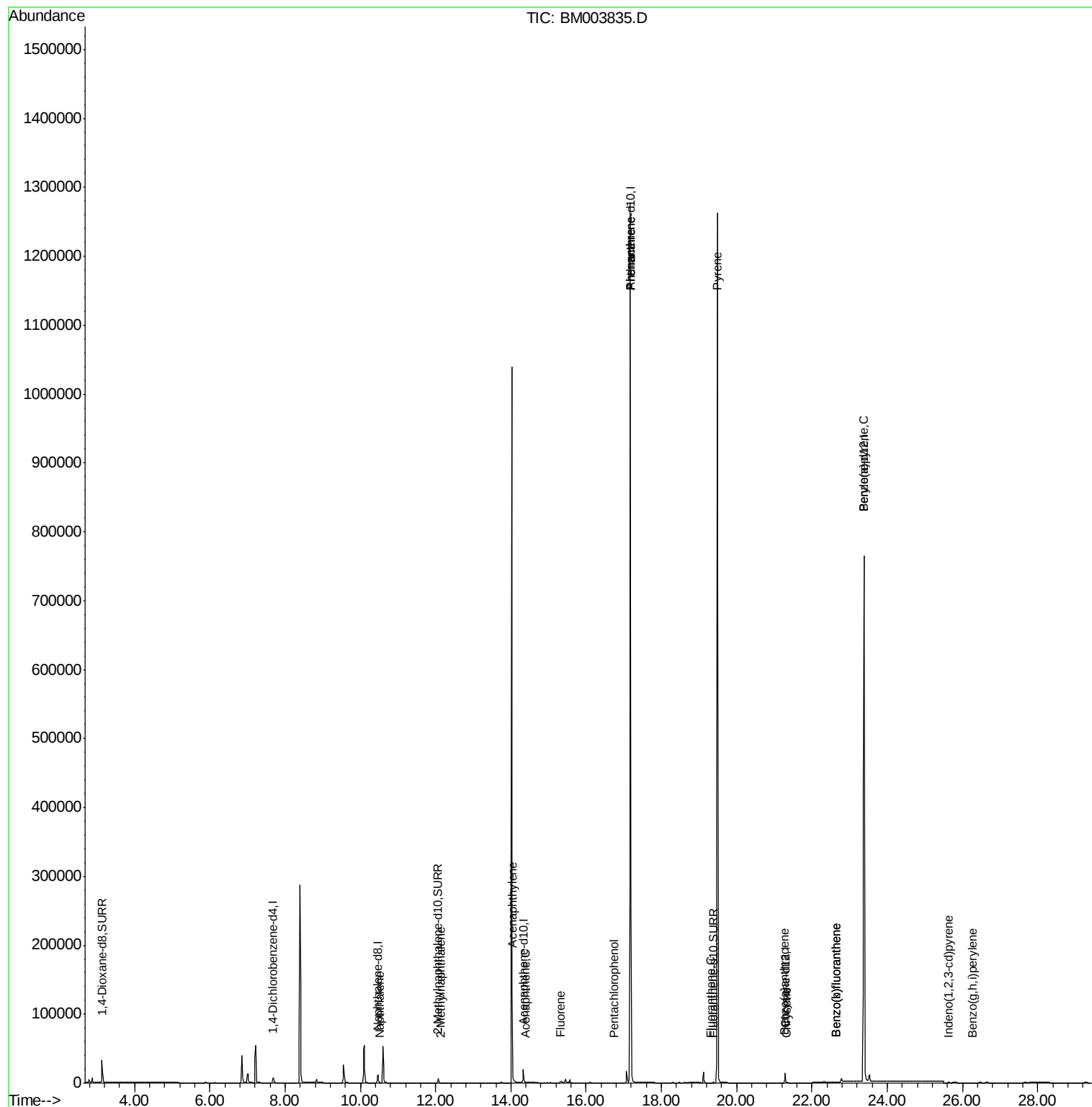
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.51	128	389	0.01	ng/ul#	44
7) 2-Methylnaphthalene	12.14	142	104	0.00	ng/ul	93
9) Acenaphthylene	14.04	152	456	0.01	ng/ul#	47
10) Acenaphthene	14.38	153	187	0.01	ng/ul#	84
11) Fluorene	15.32	166	3001	0.08	ng/ul#	24
13) Pentachlorophenol	16.75	266	31	0.00	ng/ul#	87
14) Phenanthrene	17.18	178	857	0.00	ng/ul#	1
15) Anthracene	17.18	178	844	0.00	ng/ul#	1
17) Fluoranthene	19.30	202	105	0.00	ng/ul#	1
19) Pyrene	19.48	202	2604	0.06	ng/ul#	1
20) Benzo(a)anthracene	21.27	228	261	0.01	ng/ul#	12
21) Chrysene	21.31	228	197	0.00	ng/ul#	25
23) Benzo(b)fluoranthene	22.65	252	21	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.65	252	21	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.38	252	4046	0.00	ng/ul#	46
26) Indeno(1,2,3-cd)pyrene	25.64	276	493	0.00	ng/ul#	65
28) Benzo(g,h,i)perylene	26.27	276	13	0.00	ng/ul#	1

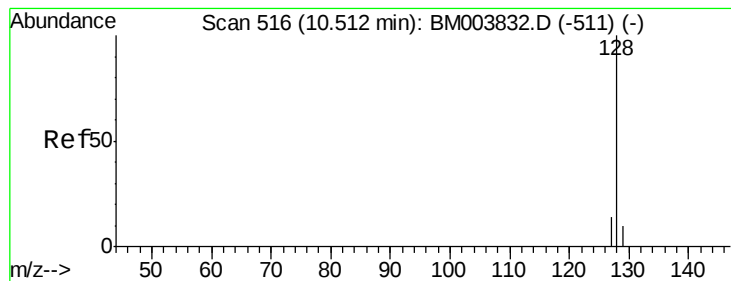
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003835.D

Acq: 28 Dec 2015 19:10

Instrument :

BNA_M

ClientSampleId :

SBLK61

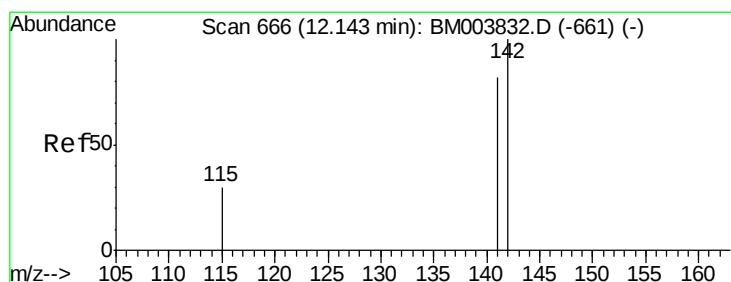
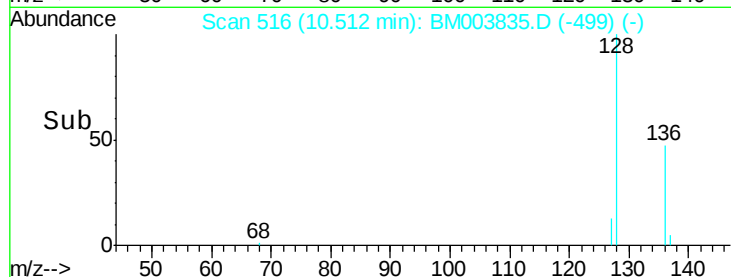
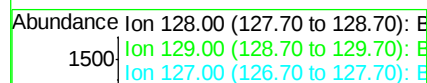
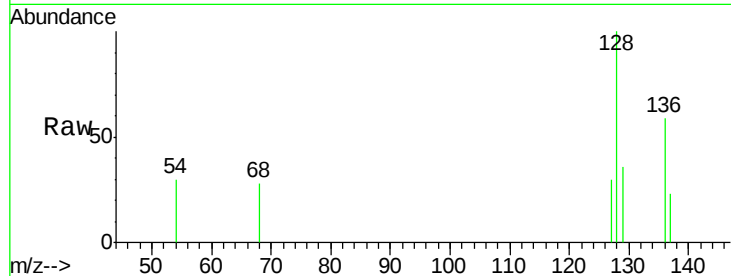
Tgt Ion:128 Resp: 389

Ion Ratio Lower Upper

128 100

129 36.4 9.0 13.6#

127 30.0 9.6 14.4#



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. -0.00 min

Lab File: BM003835.D

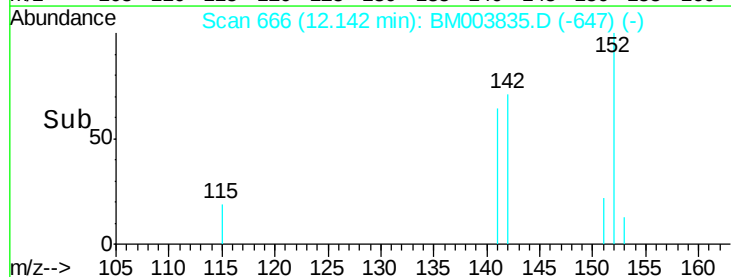
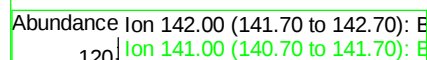
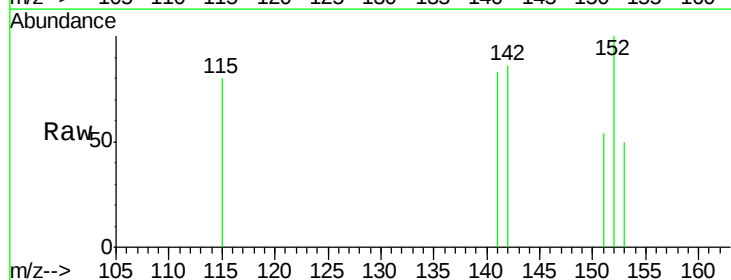
Acq: 28 Dec 2015 19:10

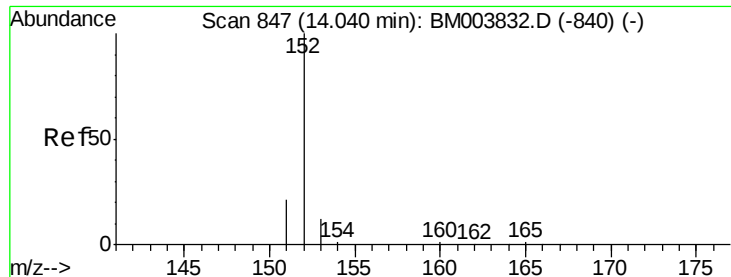
Tgt Ion:142 Resp: 104

Ion Ratio Lower Upper

142 100

141 94.2 70.3 105.5





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003835.D

Acq: 28 Dec 2015 19:10

Instrument :

BNA_M

ClientSampleId :

SBLK61

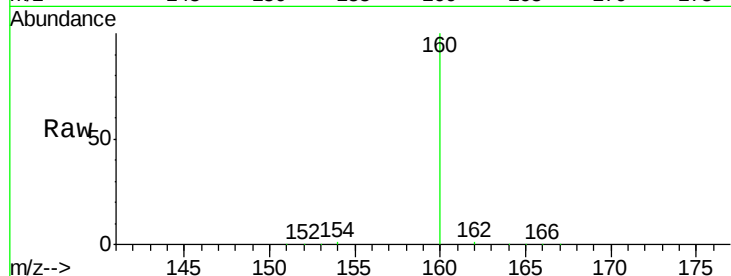
Tgt Ion:152 Resp: 456

Ion Ratio Lower Upper

152 100

151 41.4 17.6 26.4#

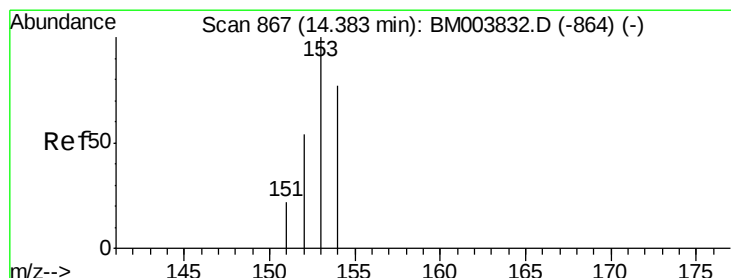
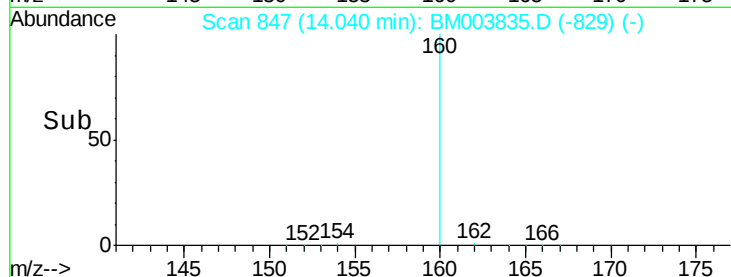
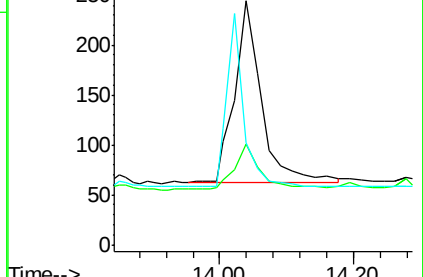
153 41.8 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003835.D

Acq: 28 Dec 2015 19:10

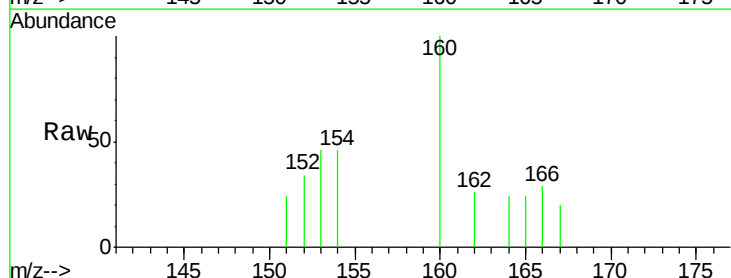
Tgt Ion:153 Resp: 187

Ion Ratio Lower Upper

153 100

152 74.5 33.9 50.9#

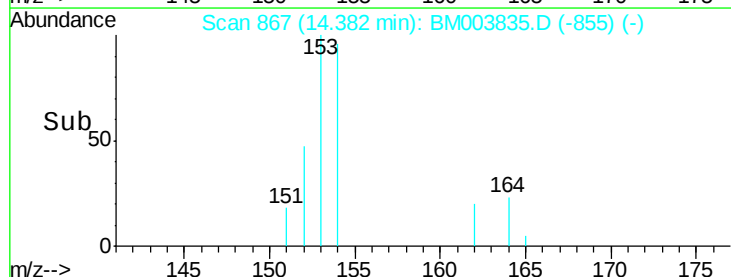
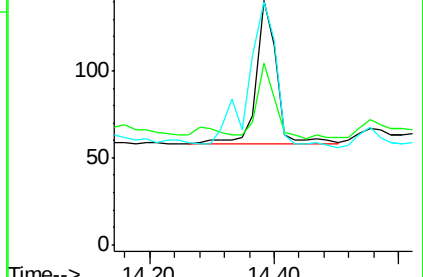
154 99.3 80.6 121.0

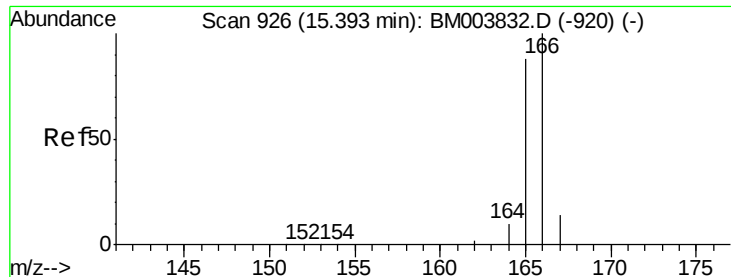


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

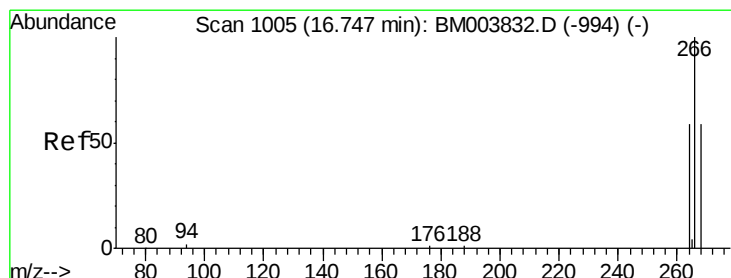
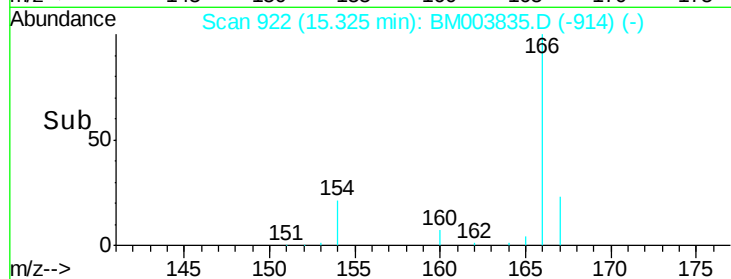
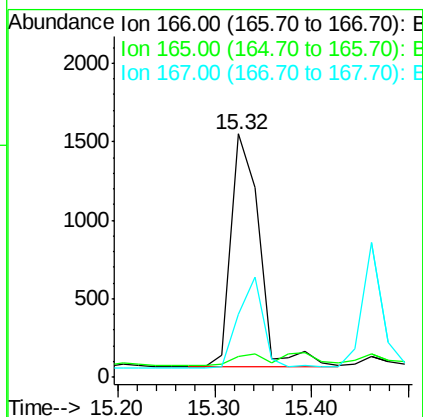
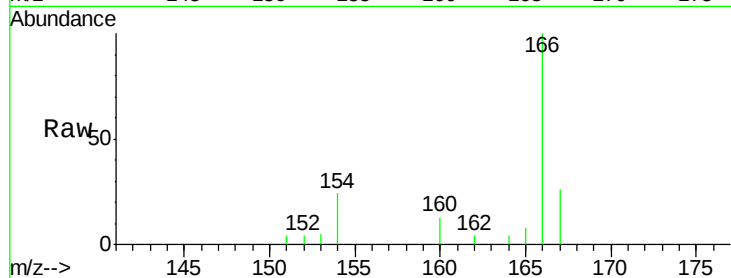




#11
Fluorene
 Concen: 0.08 ng/ul
 RT: 15.32 min Scan# 922
 Delta R.T. -0.07 min
 Lab File: BM003835.D
 Acq: 28 Dec 2015 19:10

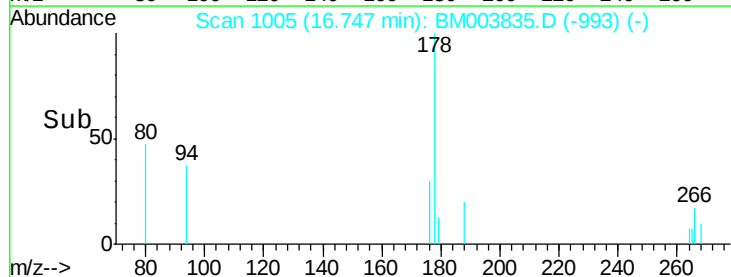
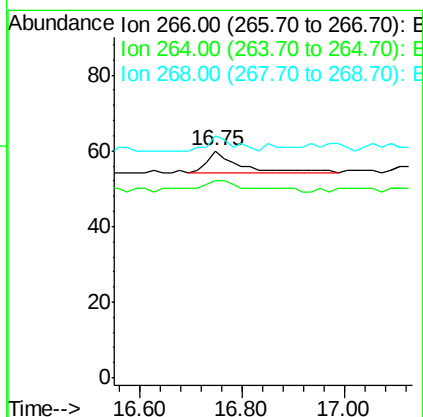
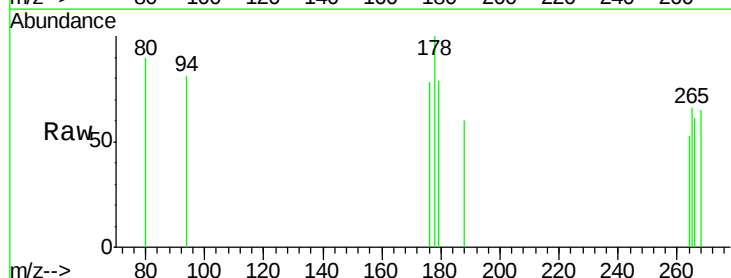
Instrument :
 BNA_M
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 SBLK61

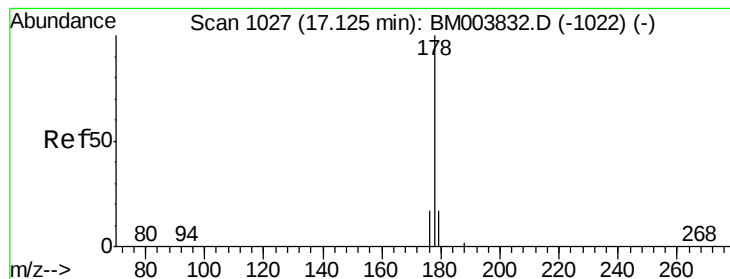
Tgt Ion:166 Resp: 3001
 Ion Ratio Lower Upper
 166 100
 165 8.5 69.6 104.4#
 167 25.9 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.75 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BM003835.D
 Acq: 28 Dec 2015 19:10

Tgt Ion:266 Resp: 31
 Ion Ratio Lower Upper
 266 100
 264 61.3 51.8 77.8
 268 41.9 46.8 70.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.05 min

Lab File: BM003835.D

Acq: 28 Dec 2015 19:10

Instrument :

BNA_M

ClientSampleId :

SBLK61

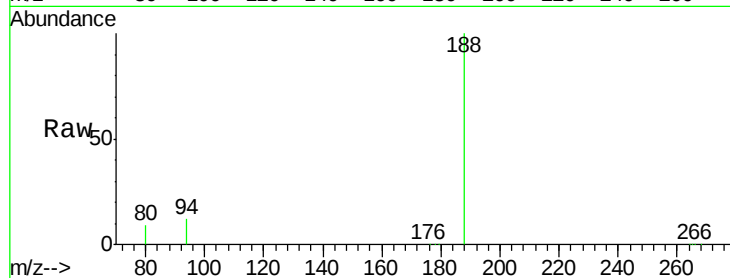
Tgt Ion:178 Resp: 857

Ion Ratio Lower Upper

178 100

176 14.2 13.0 19.4

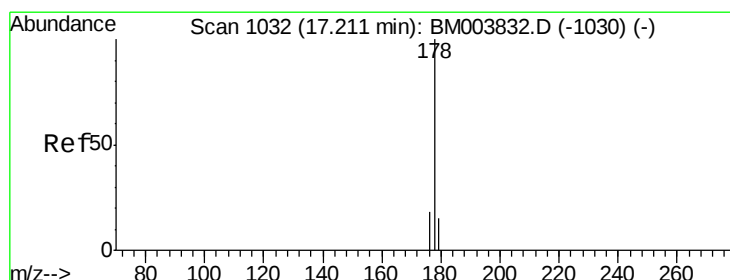
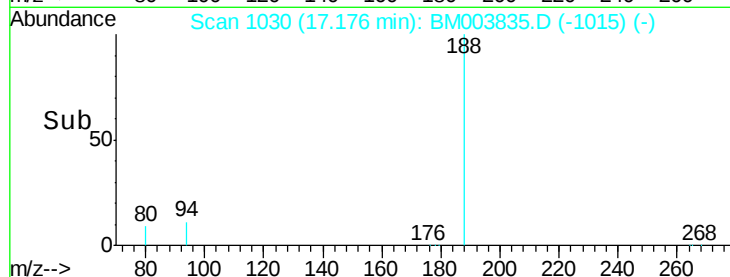
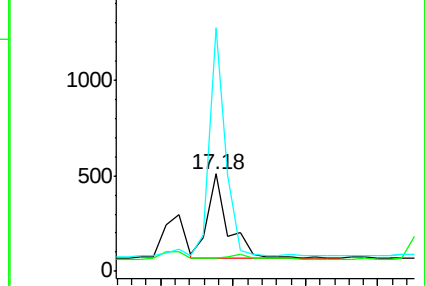
179 250.6 14.2 21.2#



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



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.03 min

Lab File: BM003835.D

Acq: 28 Dec 2015 19:10

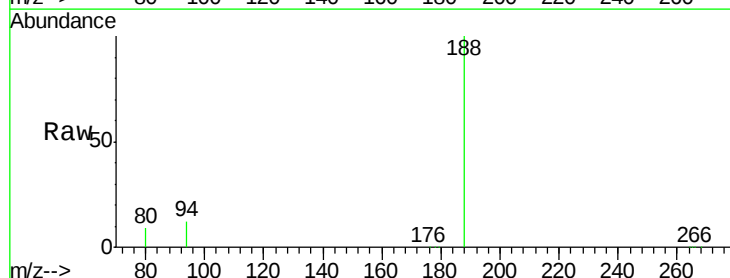
Tgt Ion:178 Resp: 844

Ion Ratio Lower Upper

178 100

176 14.2 14.0 21.0

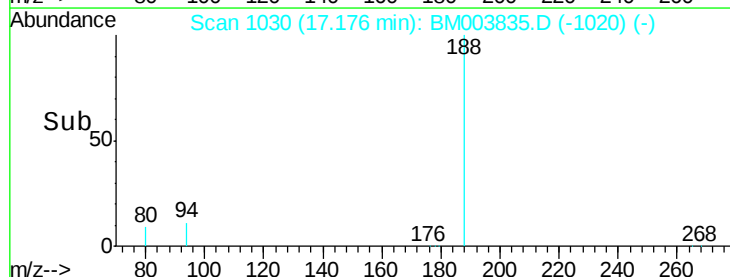
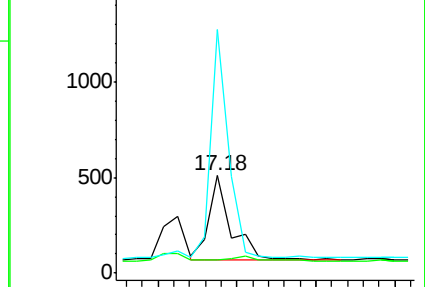
179 250.6 12.9 19.3#

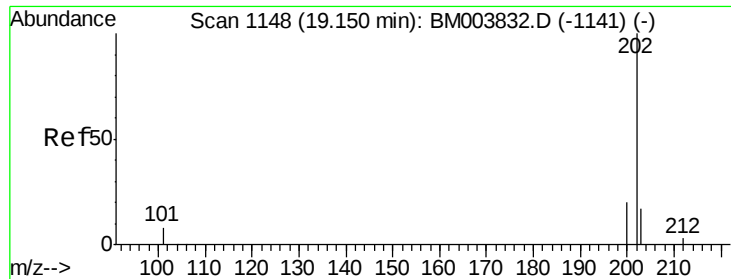


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

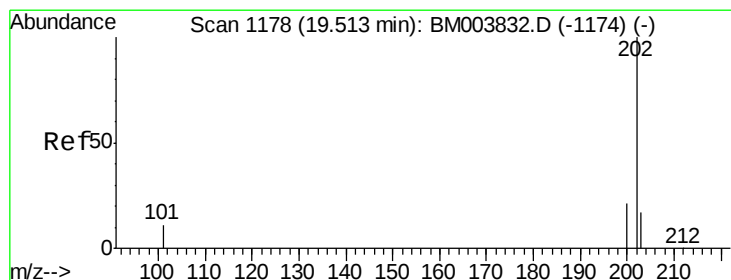
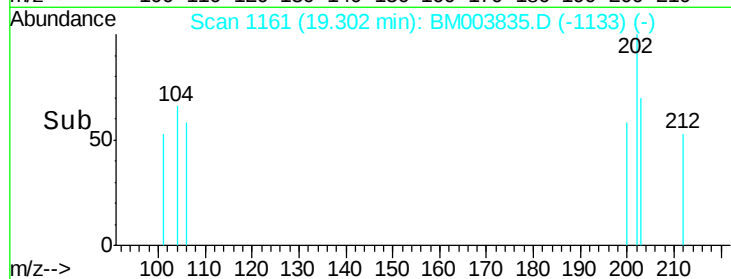
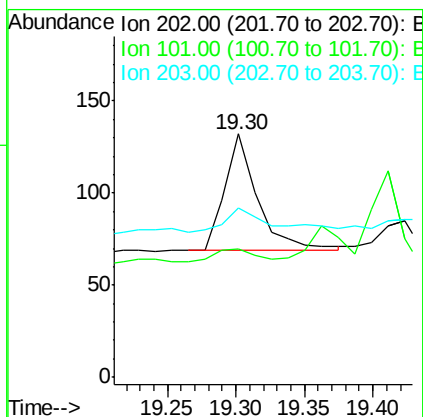
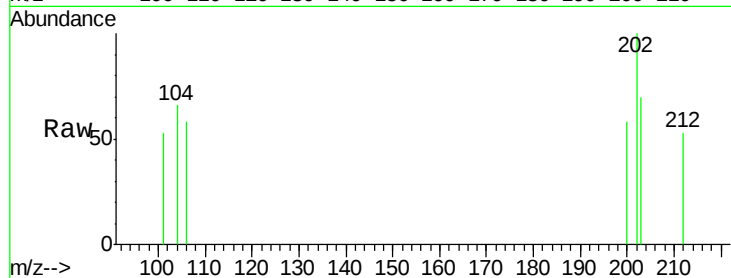




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.30 min Scan# 1161
 Delta R.T. 0.15 min
 Lab File: BM003835.D
 Acq: 28 Dec 2015 19:10

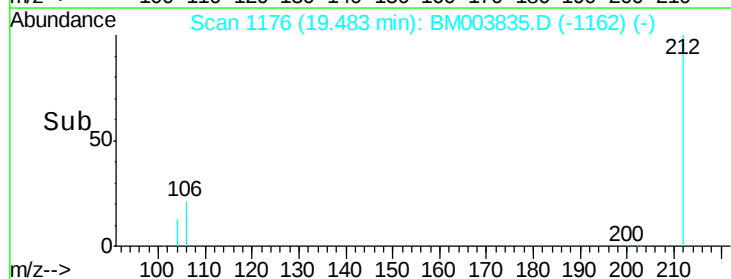
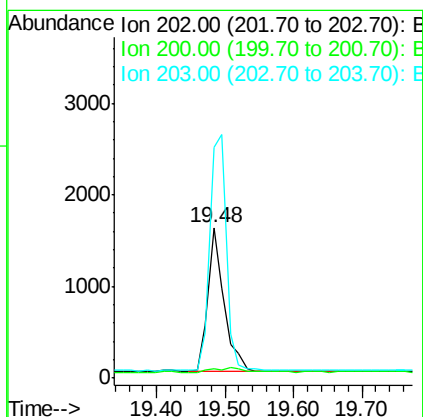
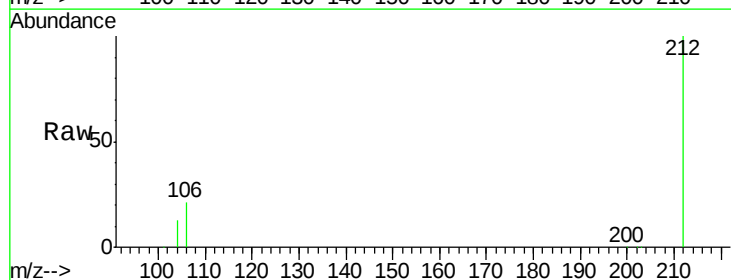
Instrument :
 BNA_M
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 SBLK61

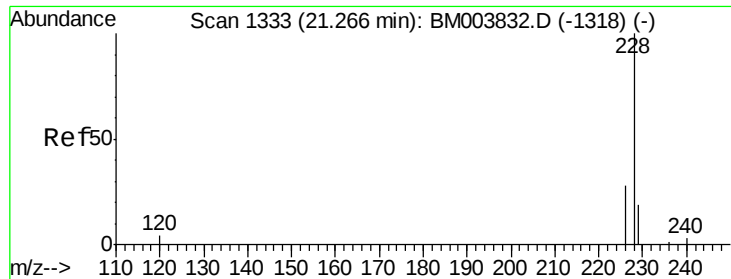
Tgt Ion:202 Resp: 105
 Ion Ratio Lower Upper
 202 100
 101 53.0 0.0 29.6#
 203 69.7 0.0 36.3#



#19
Pyrene
 Concen: 0.06 ng/ul
 RT: 19.48 min Scan# 1176
 Delta R.T. -0.03 min
 Lab File: BM003835.D
 Acq: 28 Dec 2015 19:10

Tgt Ion:202 Resp: 2604
 Ion Ratio Lower Upper
 202 100
 200 6.5 17.8 26.8#
 203 153.5 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BM003835.D

Acq: 28 Dec 2015 19:10

Instrument :

BNA_M

ClientSampled :

SBLK61

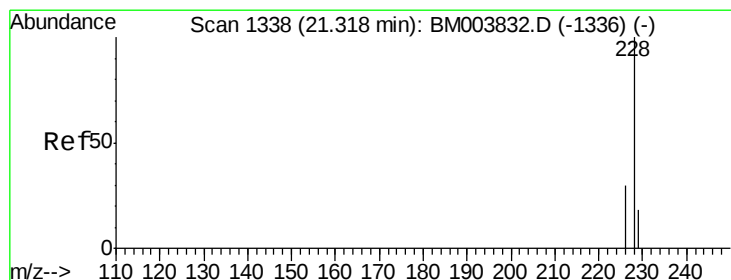
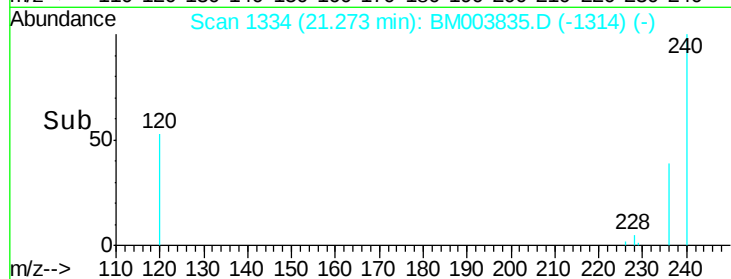
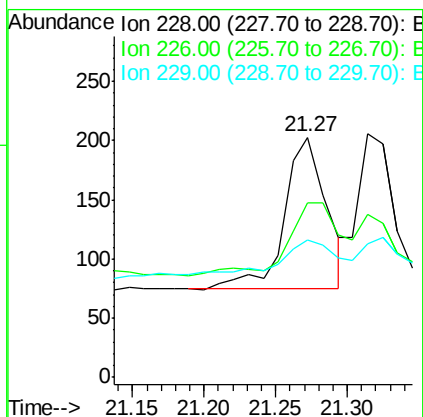
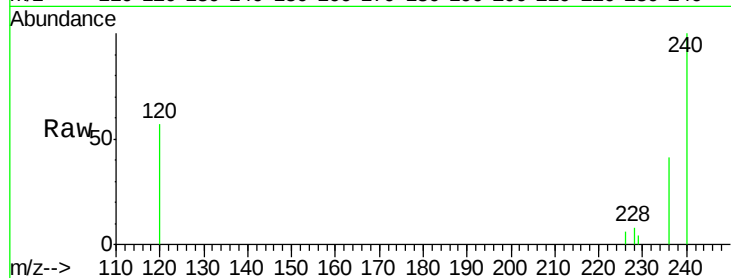
Tgt Ion:228 Resp: 261

Ion Ratio Lower Upper

228 100

226 72.4 18.8 28.2#

229 57.1 17.1 25.7#



#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM003835.D

Acq: 28 Dec 2015 19:10

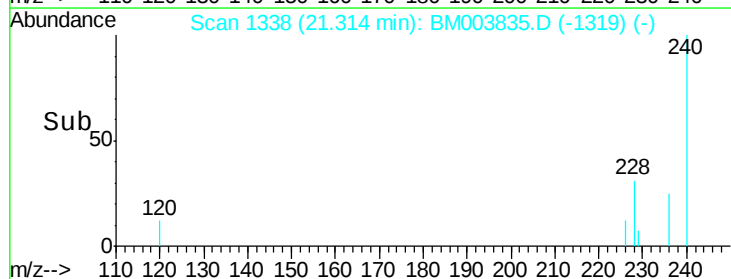
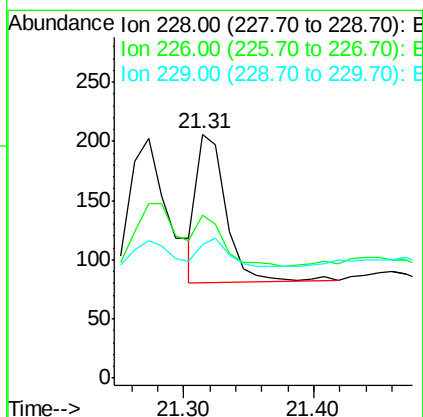
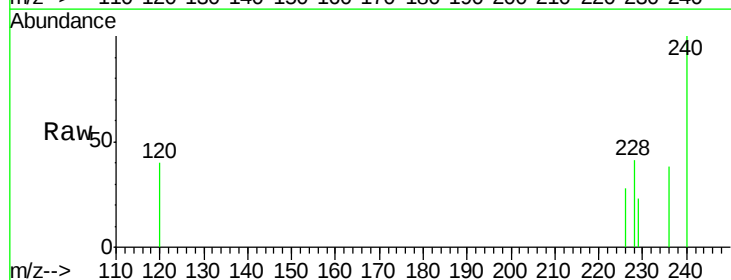
Tgt Ion:228 Resp: 197

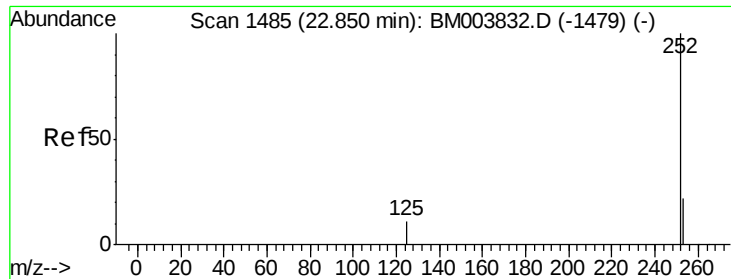
Ion Ratio Lower Upper

228 100

226 67.0 21.2 31.8#

229 54.9 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.65 min Scan# 1466

Delta R.T. -0.20 min

Lab File: BM003835.D

Acq: 28 Dec 2015 19:10

Instrument :

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SBLK61

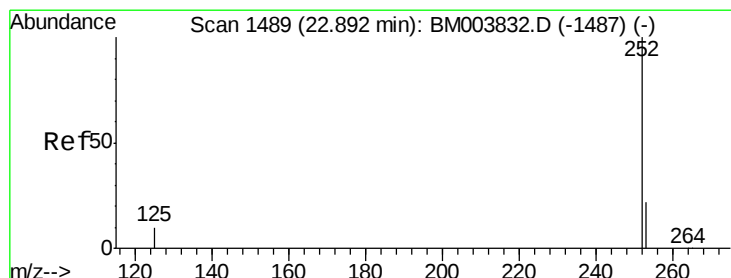
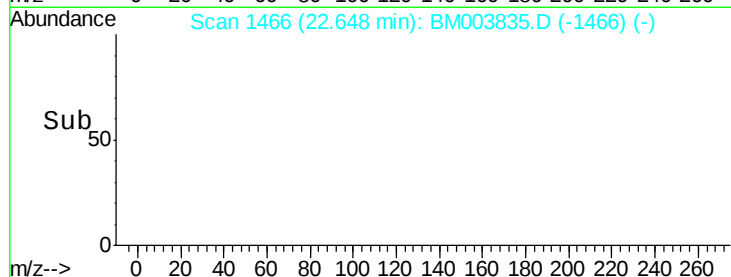
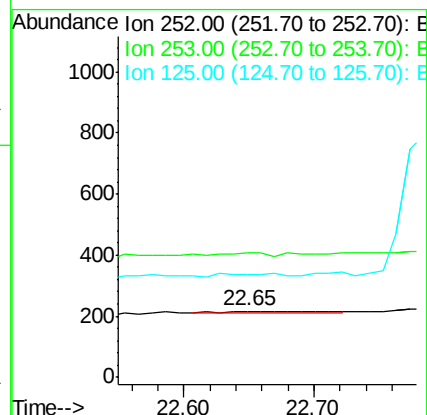
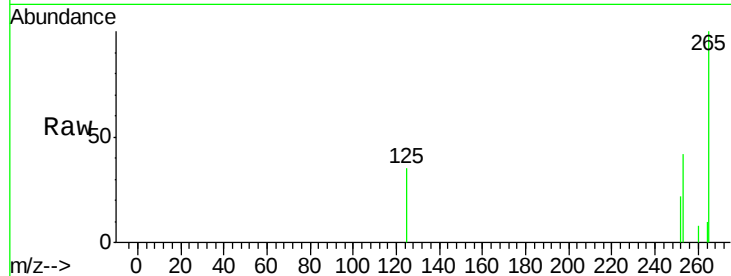
Tgt Ion:252 Resp: 21

Ion Ratio Lower Upper

252 100

253 188.0 0.0 45.4#

125 156.5 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.65 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BM003835.D

Acq: 28 Dec 2015 19:10

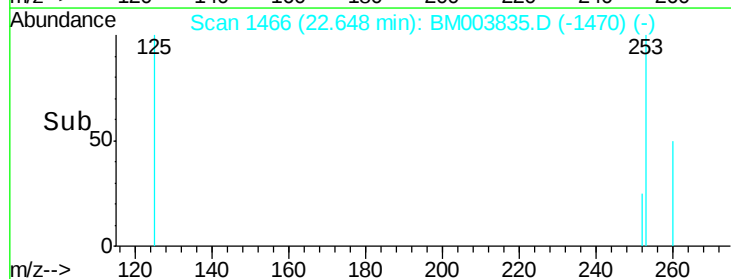
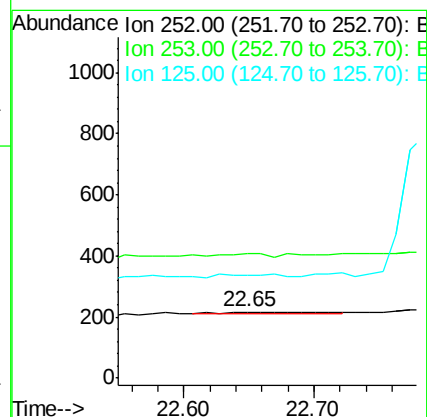
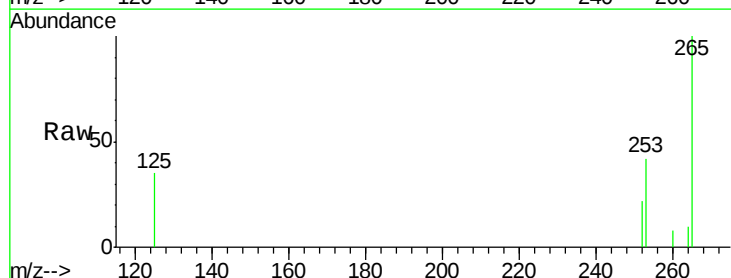
Tgt Ion:252 Resp: 21

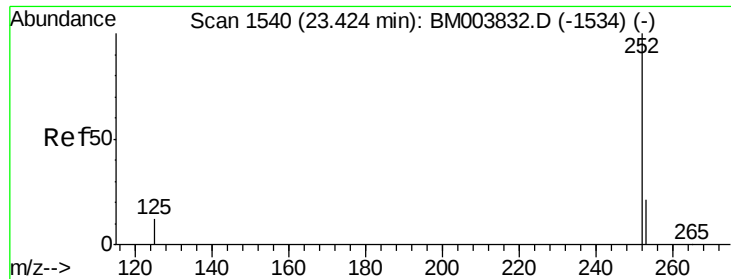
Ion Ratio Lower Upper

252 100

253 188.0 19.8 29.8#

125 156.5 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.38 min Scan# 1536

Delta R.T. -0.05 min

Lab File: BM003835.D

Acq: 28 Dec 2015 19:10

Instrument :

BNA_M

ClientSampled :

SBLK61

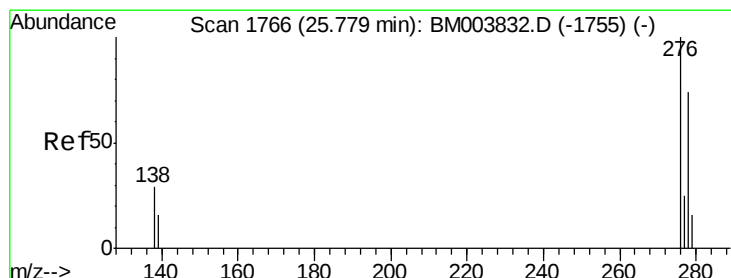
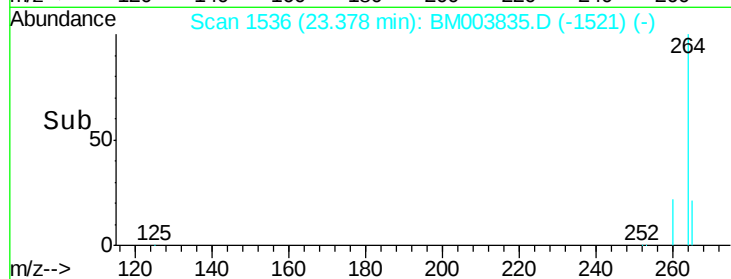
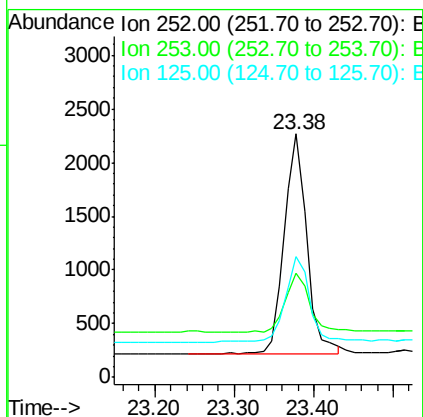
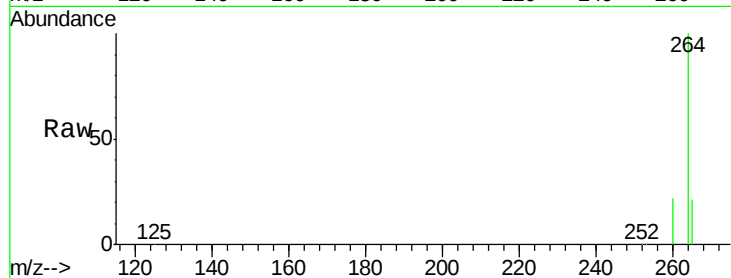
Tgt Ion:252 Resp: 4046

Ion Ratio Lower Upper

252 100

253 42.7 19.4 29.2#

125 49.3 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.64 min Scan# 1753

Delta R.T. -0.14 min

Lab File: BM003835.D

Acq: 28 Dec 2015 19:10

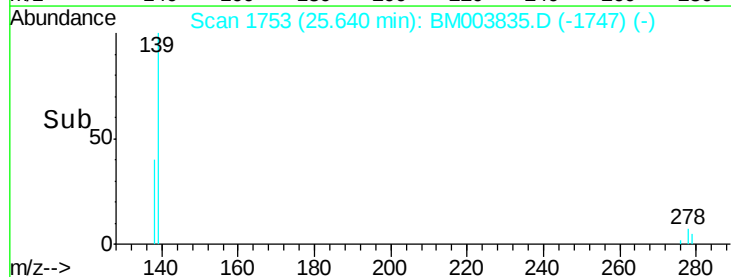
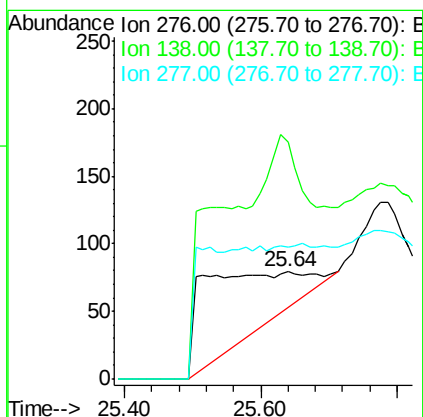
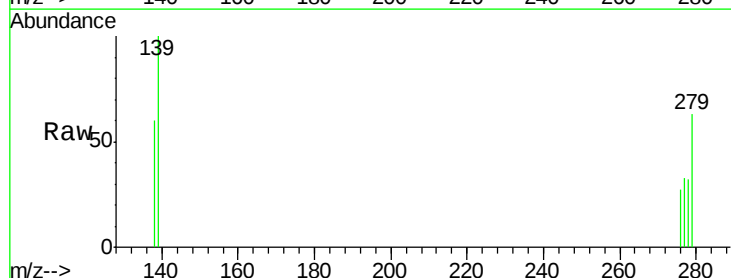
Tgt Ion:276 Resp: 493

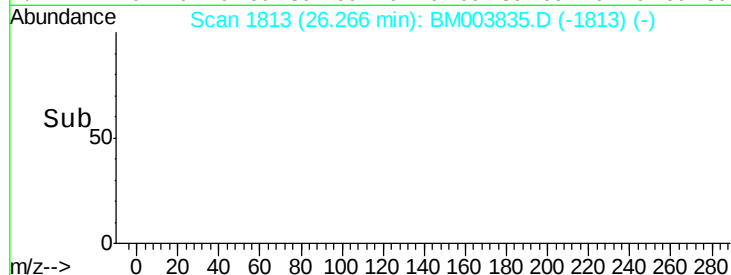
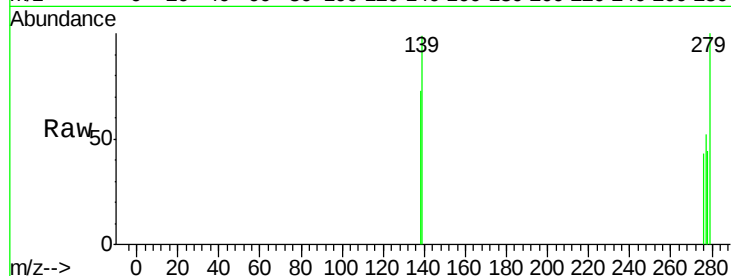
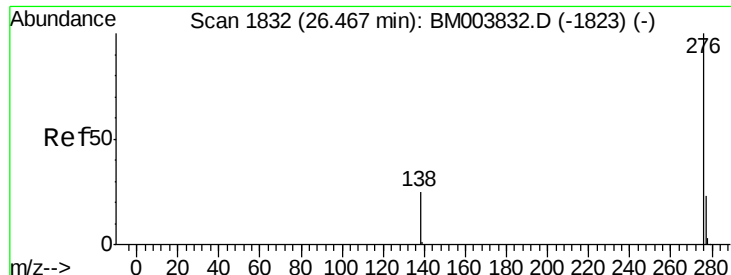
Ion Ratio Lower Upper

276 100

138 12.0 16.3 24.5#

277 0.0 19.8 29.8#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.27 min Scan# 1813

Delta R.T. -0.20 min

Lab File: BM003835.D

Acq: 28 Dec 2015 19:10

Instrument :

BNA_M

ClientSampleId :

SBLK61

Tgt Ion: 276 Resp: 13

Ion Ratio Lower Upper

276 100

277 121.8 18.9 28.3#

138 169.2 22.5 33.7#

