

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008668.D
 Acq On : 25 Dec 2016 13:08
 Operator : UM/SJ
 Sample : H5995-02DL 5X
 Misc :
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA863DL

Quant Time: Dec 26 03:29:24 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 26 03:21:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	409	0.40	ng/ul	-0.09
2) Naphthalene-d8	10.43	136	1355	0.40	ng/ul	-0.08
6) Acenaphthene-d10	14.28	164	832	0.40	ng/ul	-0.05
10) Phenanthrene-d10	17.04	188	1918	0.40	ng/ul	-0.05
16) Chrysene-d12	21.24	240	1648	0.40	ng/ul	-0.03
20) Perylene-d12	23.48	264	1586	0.40	ng/ul	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	50	0.02	ng/ul	-0.09
14) Fluoranthene-d10	19.08	212	769	0.15	ng/ul	-0.04

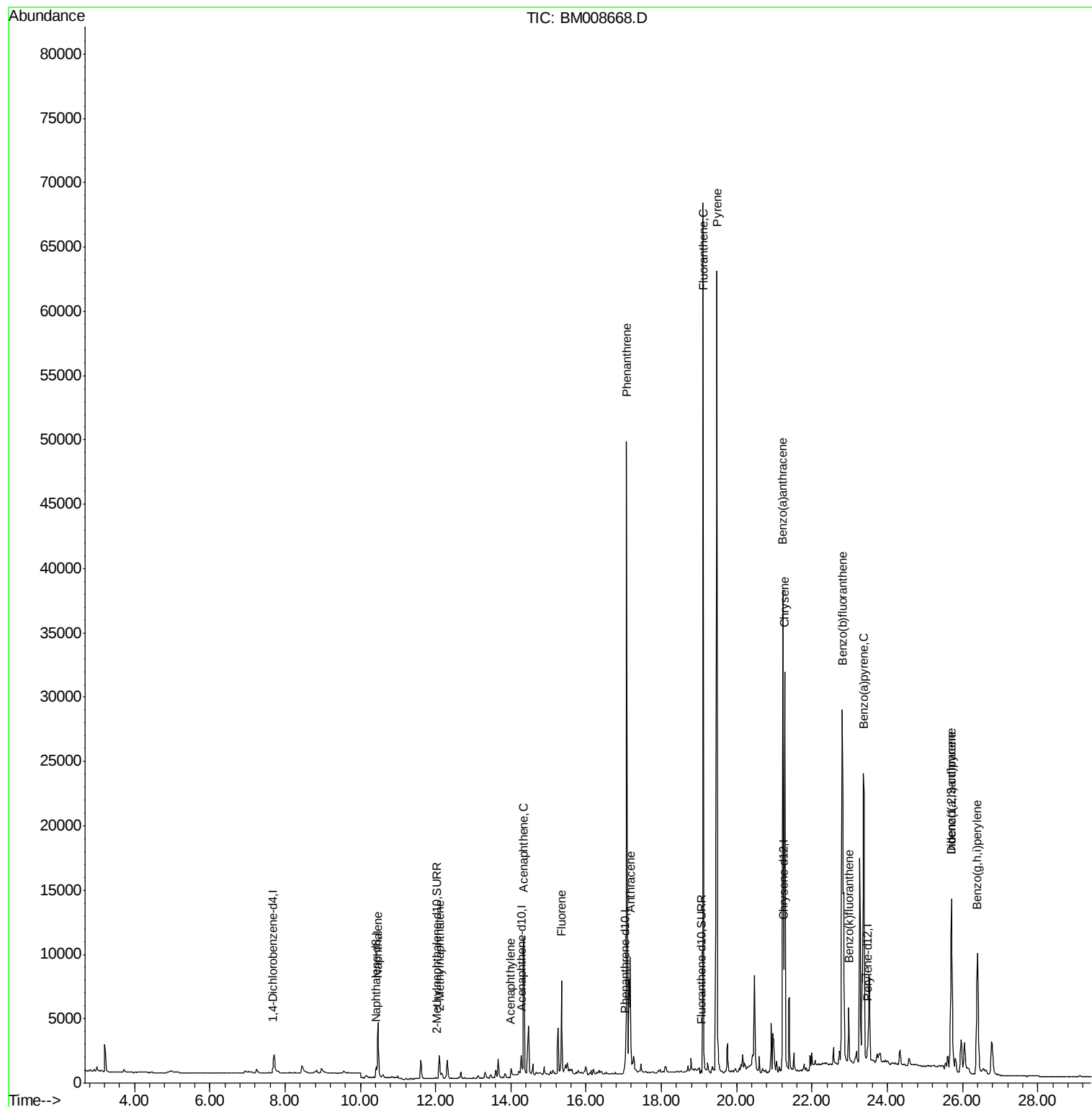
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	7079	1.86	ng/ul	95
5) 2-Methylnaphthalene	12.10	142	1701	0.66	ng/ul	91
7) Acenaphthylene	14.01	152	197	0.05	ng/ul#	31
8) Acenaphthene	14.35	153	9185	3.24	ng/ul	90
9) Fluorene	15.34	166	5644	1.75	ng/ul	87
12) Phenanthrene	17.07	178	56563	9.66	ng/ul	95
13) Anthracene	17.18	178	11906	2.09	ng/ul	96
15) Fluoranthene	19.11	202	77098	10.74	ng/ul	93
17) Pyrene	19.48	202	67535	10.60	ng/ul	96
18) Benzo(a)anthracene	21.22	228	36444	6.73	ng/ul	99
19) Chrysene	21.28	228	32135	5.42	ng/ul	92
21) Benzo(b)fluoranthene	22.81	252	65270	10.45	ng/ul	83
22) Benzo(k)fluoranthene	22.98	252	5482	0.90	ng/ul	97
23) Benzo(a)pyrene	23.37	252	35832	6.19	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.71	276	25517	3.70	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.71	278	5289	0.96	ng/ul	98
26) Benzo(g,h,i)perylene	26.39	276	22182	3.75	ng/ul#	90

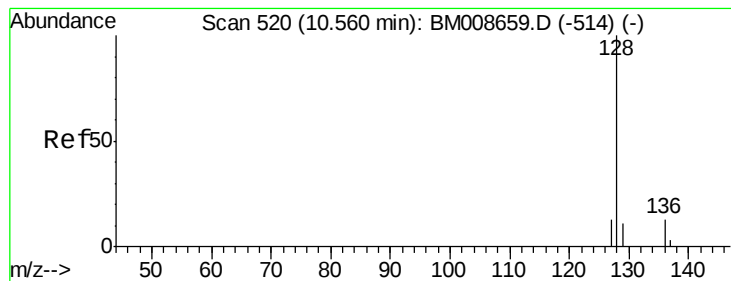
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.86 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.08 min

Lab File: BM008668.D

Acq: 25 Dec 2016 13:08

Instrument :

BNA_M

ClientSampleId :

DA863DL

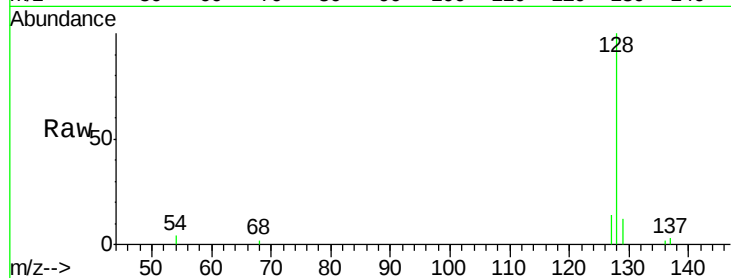
Tgt Ion:128 Resp: 7079

Ion Ratio Lower Upper

128 100

129 12.3 11.3 16.9

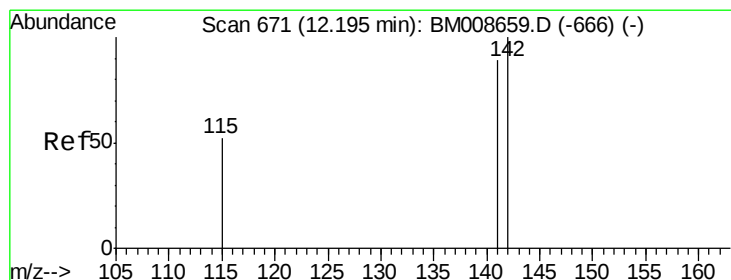
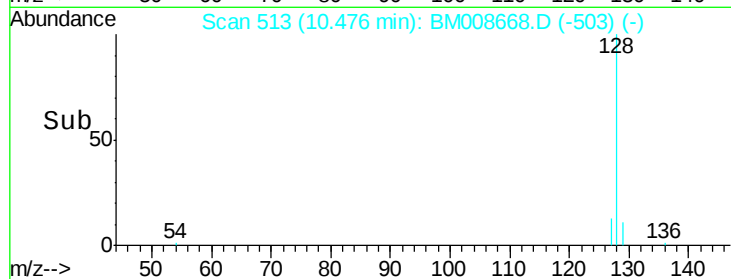
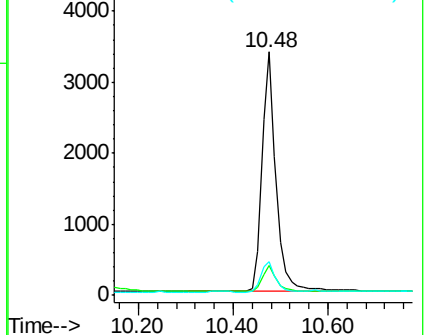
127 14.1 12.8 19.2



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



#5

2-Methylnaphthalene

Concen: 0.66 ng/ul

RT: 12.10 min Scan# 662

Delta R.T. -0.09 min

Lab File: BM008668.D

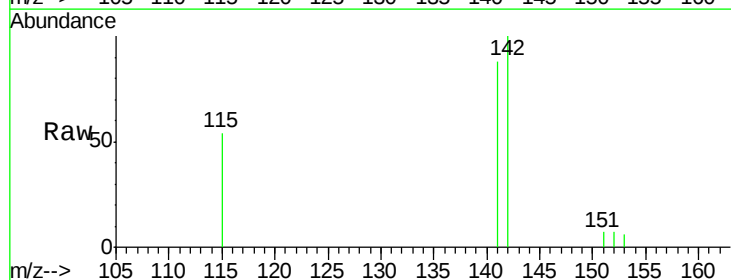
Acq: 25 Dec 2016 13:08

Tgt Ion:142 Resp: 1701

Ion Ratio Lower Upper

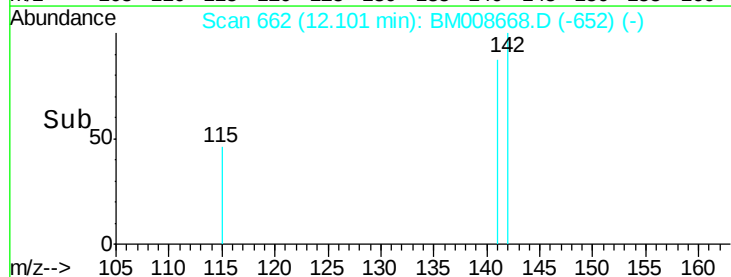
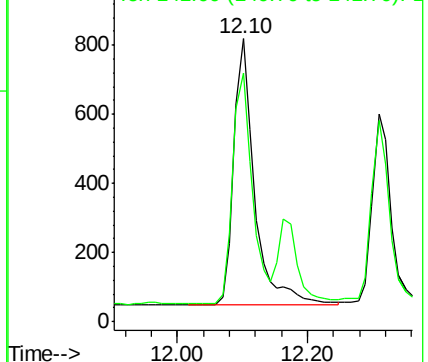
142 100

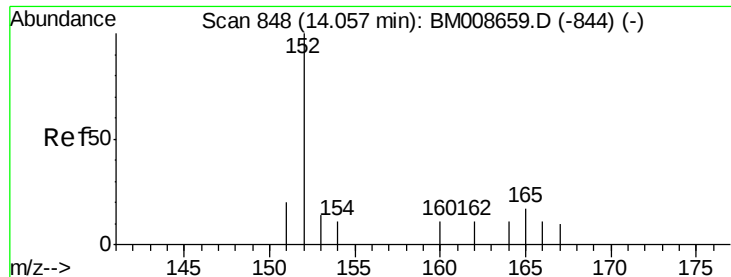
141 82.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.05 min

Lab File: BM008668.D

Acq: 25 Dec 2016 13:08

Instrument :

BNA_M

ClientSampleId :

DA863DL

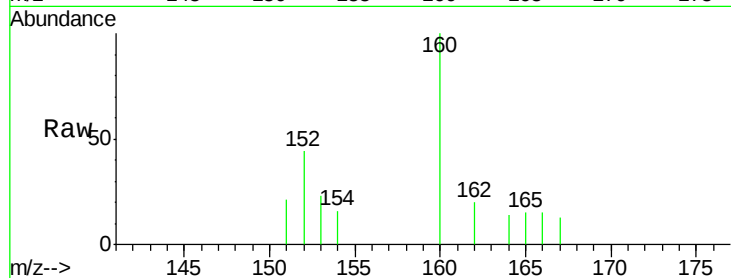
Tgt Ion:152 Resp: 197

Ion Ratio Lower Upper

152 100

151 47.5 17.1 25.7#

153 53.1 12.8 19.2#

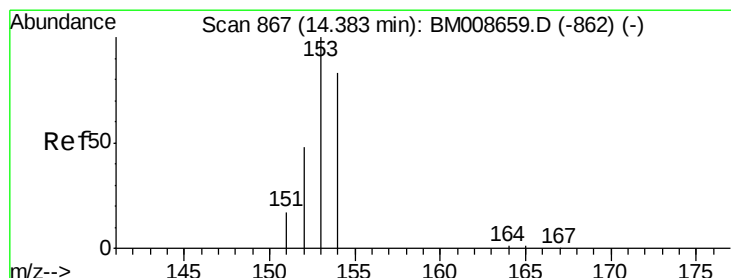
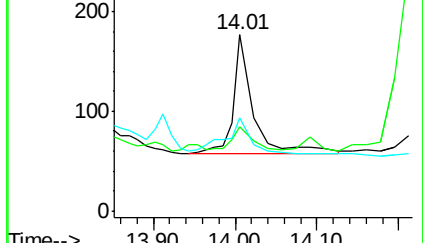
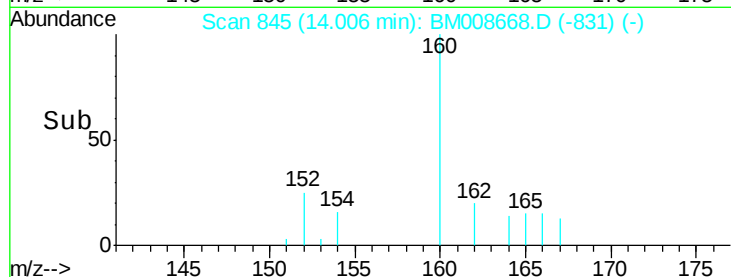


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

Time-->



#8

Acenaphthene

Concen: 3.24 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.03 min

Lab File: BM008668.D

Acq: 25 Dec 2016 13:08

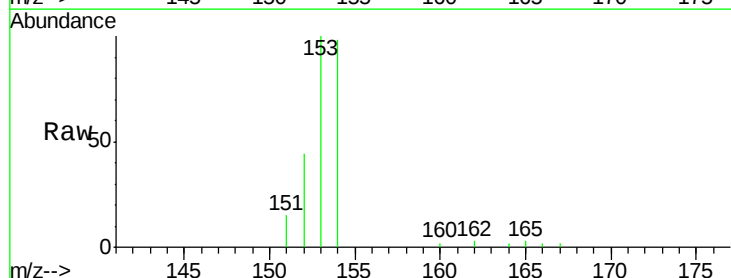
Tgt Ion:153 Resp: 9185

Ion Ratio Lower Upper

153 100

152 43.6 40.3 60.5

154 98.1 71.4 107.2

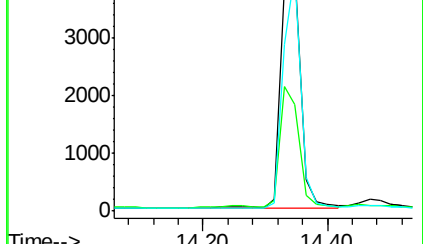
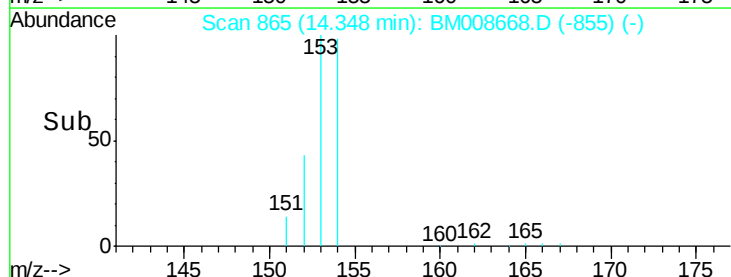


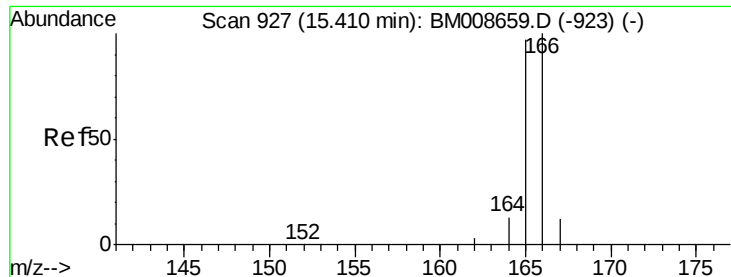
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

Time-->

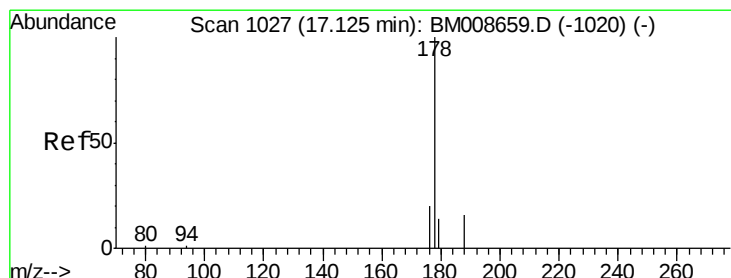
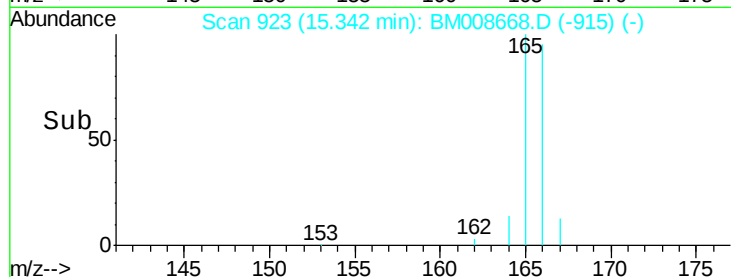
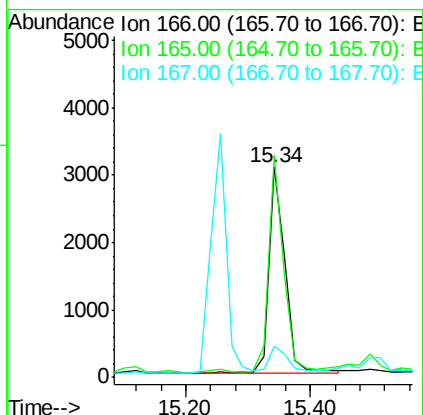
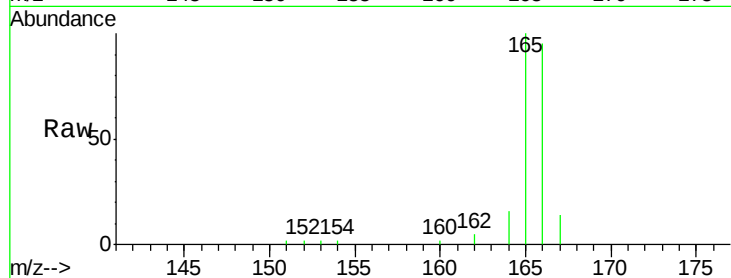




#9
Fluorene
 Concen: 1.75 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. -0.07 min
 Lab File: BM008668.D
 Acq: 25 Dec 2016 13:08

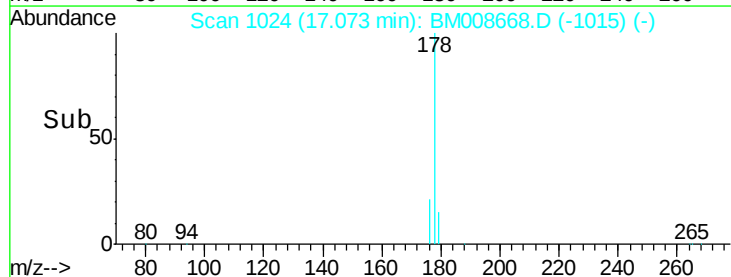
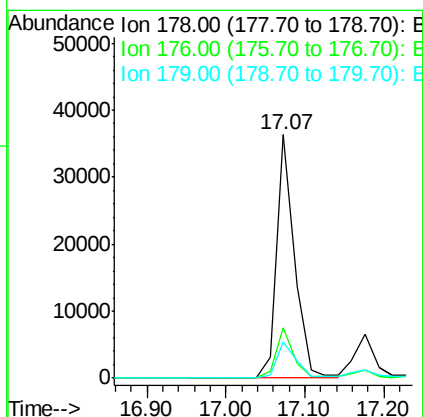
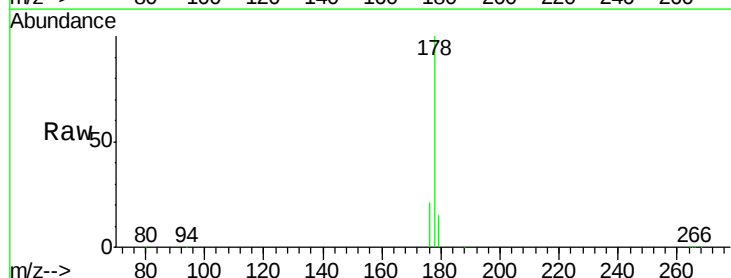
Instrument :
 BNA_M
 ClientSampleId :
 DA863DL

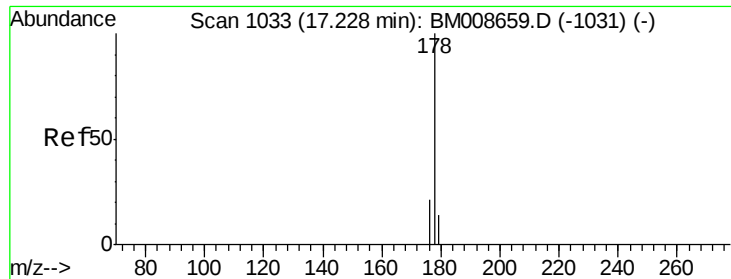
Tgt Ion:166 Resp: 5644
 Ion Ratio Lower Upper
 166 100
 165 105.8 73.4 110.2
 167 15.1 14.6 22.0



#12
Phenanthrene
 Concen: 9.66 ng/ul
 RT: 17.07 min Scan# 1024
 Delta R.T. -0.05 min
 Lab File: BM008668.D
 Acq: 25 Dec 2016 13:08

Tgt Ion:178 Resp: 56563
 Ion Ratio Lower Upper
 178 100
 176 20.8 18.4 27.6
 179 14.8 13.6 20.4





#13

Anthracene

Concen: 2.09 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BM008668.D

Acq: 25 Dec 2016 13:08

Instrument :

BNA_M

ClientSampleId :

DA863DL

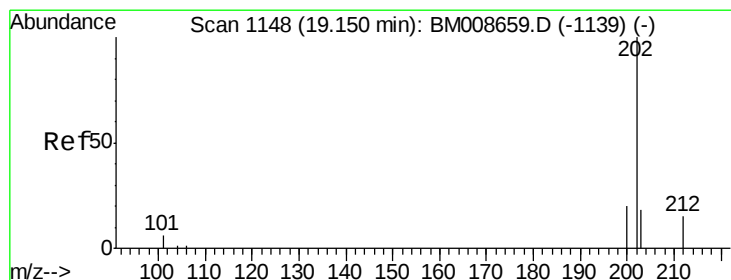
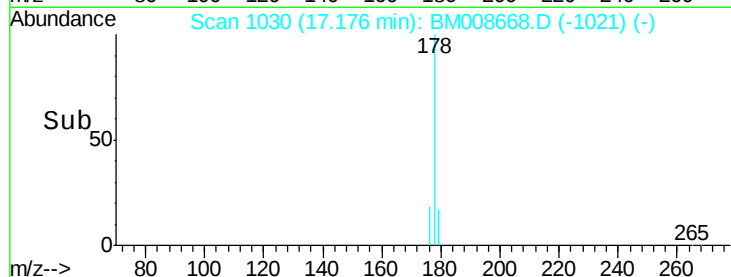
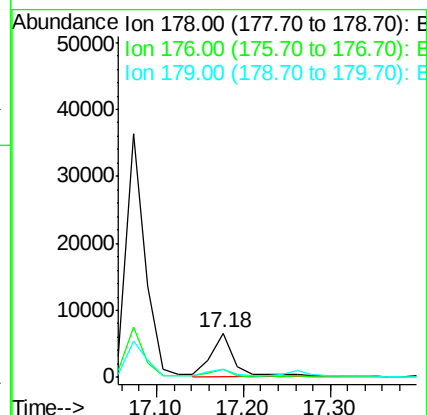
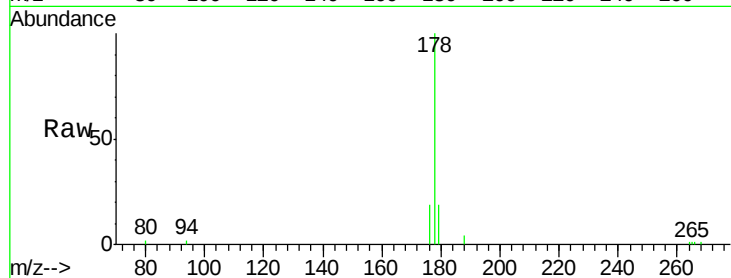
Tgt Ion:178 Resp: 11906

Ion Ratio Lower Upper

178 100

176 19.4 18.1 27.1

179 18.9 14.7 22.1



#15

Fluoranthene

Concen: 10.74 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.04 min

Lab File: BM008668.D

Acq: 25 Dec 2016 13:08

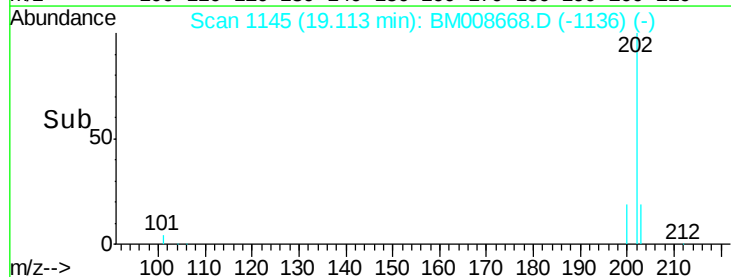
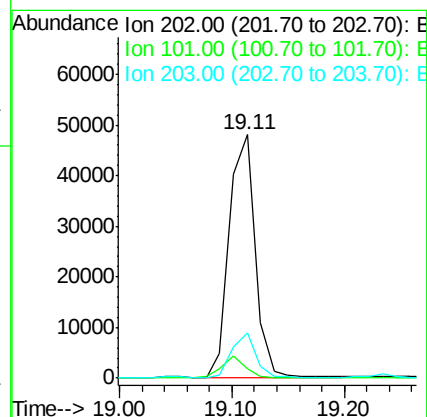
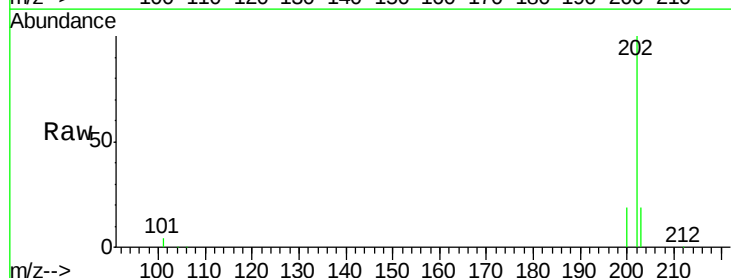
Tgt Ion:202 Resp: 77098

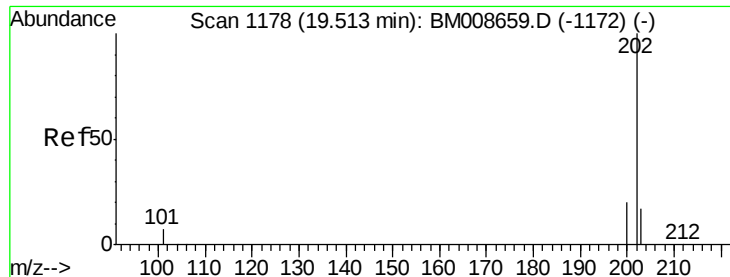
Ion Ratio Lower Upper

202 100

101 4.1 0.0 30.3

203 18.6 0.0 39.5

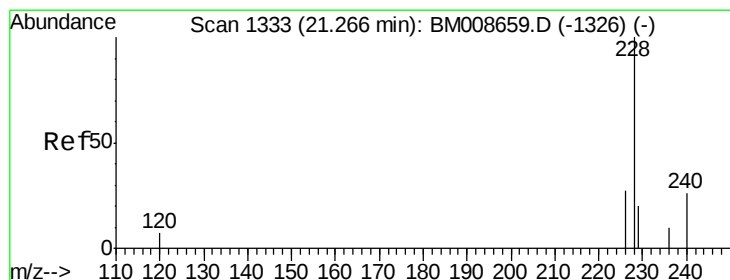
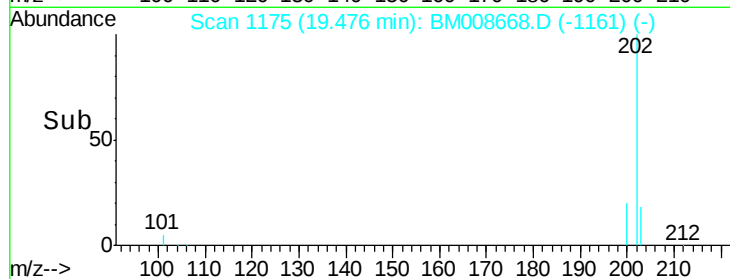
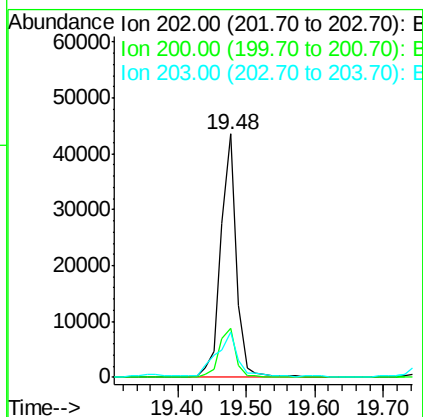
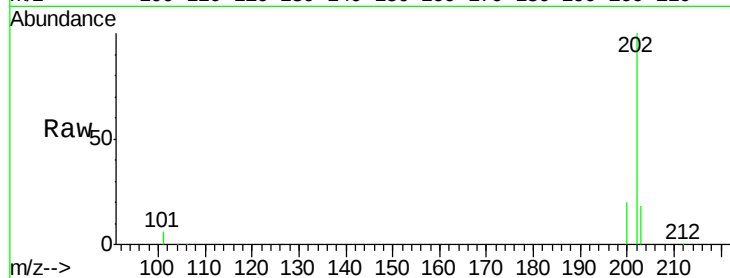




#17
 Pyrene
 Concen: 10.60 ng/ul
 RT: 19.48 min Scan# 1175
 Delta R.T. -0.04 min
 Lab File: BM008668.D
 Acq: 25 Dec 2016 13:08

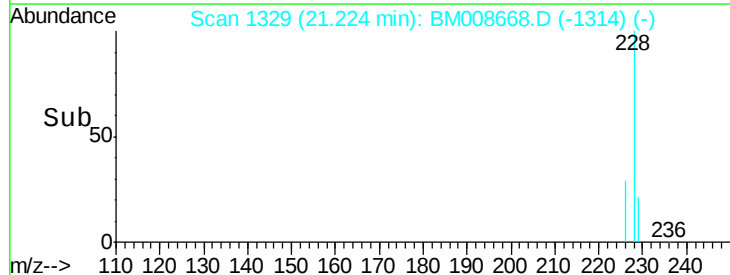
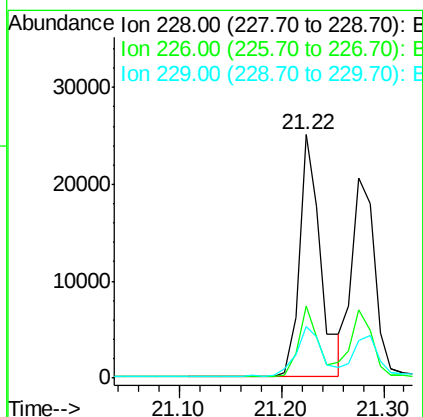
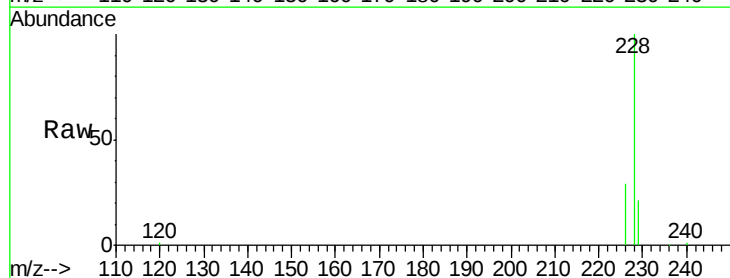
Instrument :
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 DA863DL

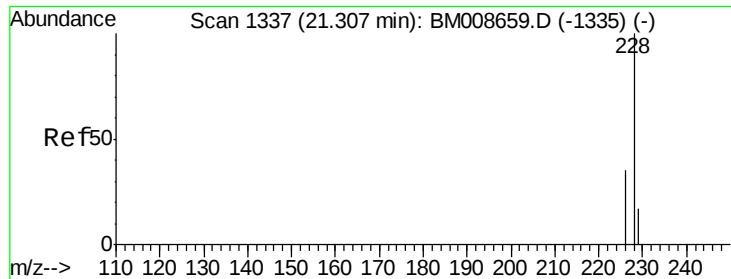
Tgt Ion:202 Resp: 67535
 Ion Ratio Lower Upper
 202 100
 200 20.0 18.2 27.4
 203 18.3 15.6 23.4



#18
 Benzo(a)anthracene
 Concen: 6.73 ng/ul
 RT: 21.22 min Scan# 1329
 Delta R.T. -0.04 min
 Lab File: BM008668.D
 Acq: 25 Dec 2016 13:08

Tgt Ion:228 Resp: 36444
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.8 34.2
 229 21.2 17.0 25.6





#19

Chrysene

Concen: 5.42 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. -0.03 min

Lab File: BM008668.D

Acq: 25 Dec 2016 13:08

Instrument :

BNA_M

ClientSampleId :

DA863DL

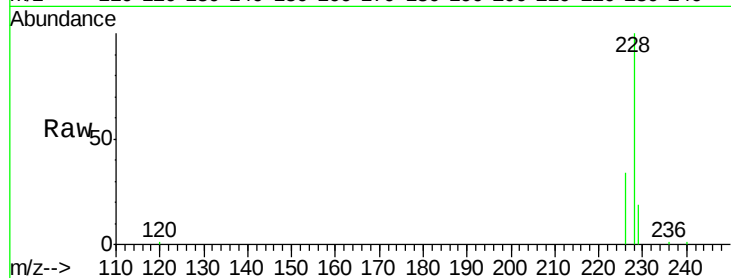
Tgt Ion:228 Resp: 32135

Ion Ratio Lower Upper

228 100

226 34.0 23.4 35.0

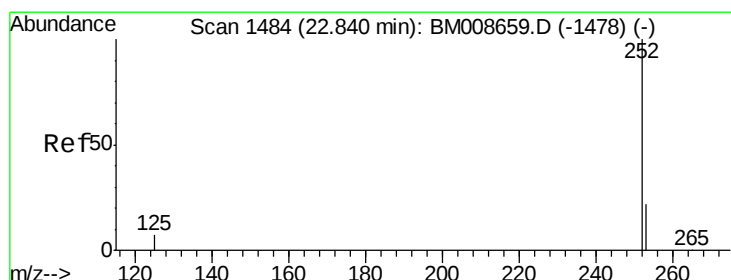
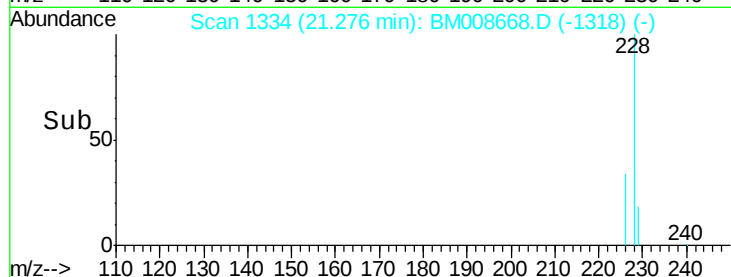
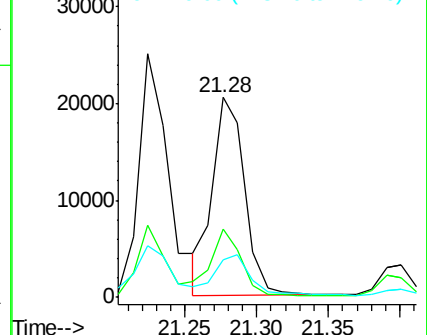
229 18.6 17.7 26.5



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



#21

Benzo(b)fluoranthene

Concen: 10.45 ng/ul

RT: 22.81 min Scan# 1481

Delta R.T. -0.03 min

Lab File: BM008668.D

Acq: 25 Dec 2016 13:08

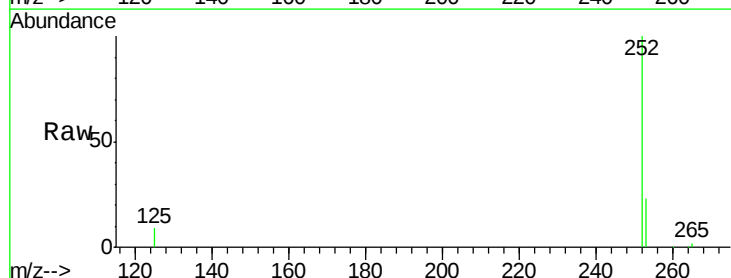
Tgt Ion:252 Resp: 65270

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

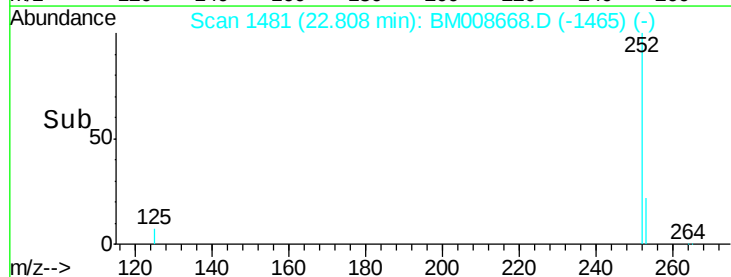
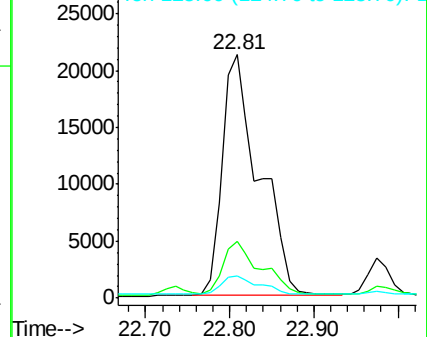
125 9.0 0.0 35.0

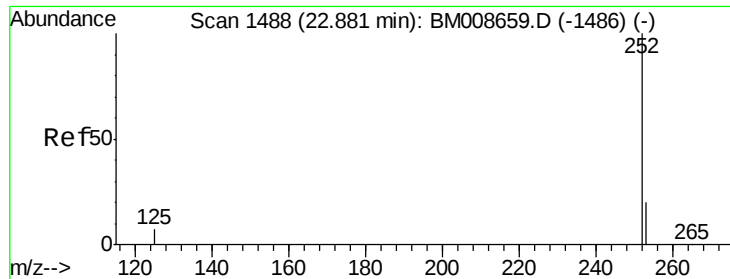


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.90 ng/ul

RT: 22.98 min Scan# 1497

Delta R.T. 0.09 min

Lab File: BM008668.D

Acq: 25 Dec 2016 13:08

Instrument :

BNA_M

ClientSampleId :

DA863DL

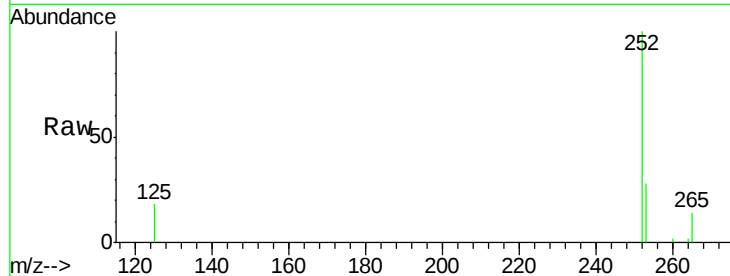
Tgt Ion:252 Resp: 5482

Ion Ratio Lower Upper

252 100

253 28.4 24.5 36.7

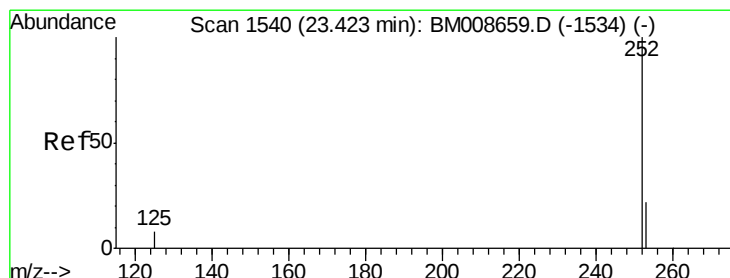
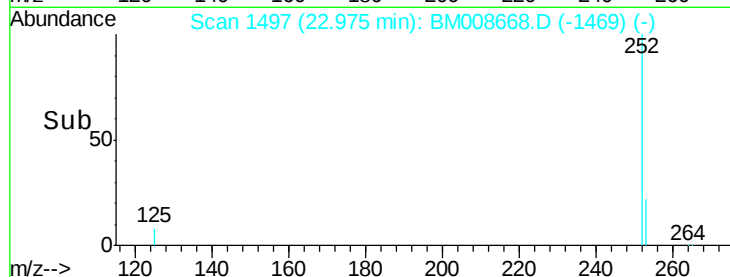
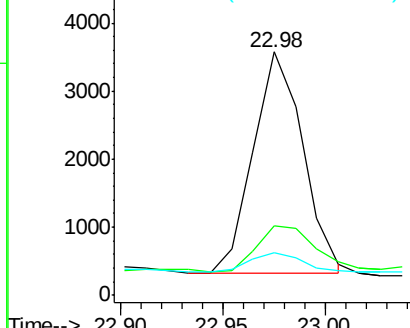
125 17.7 13.7 20.5



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



#23

Benzo(a)pyrene

Concen: 6.19 ng/ul

RT: 23.37 min Scan# 1535

Delta R.T. -0.05 min

Lab File: BM008668.D

Acq: 25 Dec 2016 13:08

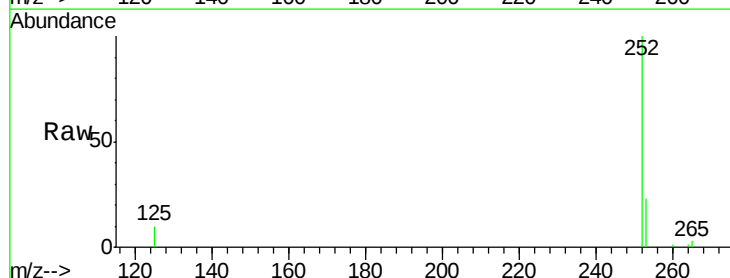
Tgt Ion:252 Resp: 35832

Ion Ratio Lower Upper

252 100

253 22.6 28.5 42.7#

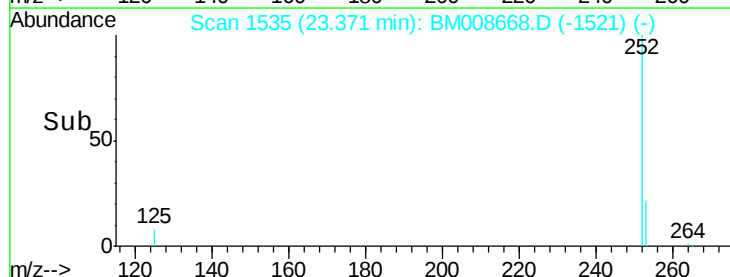
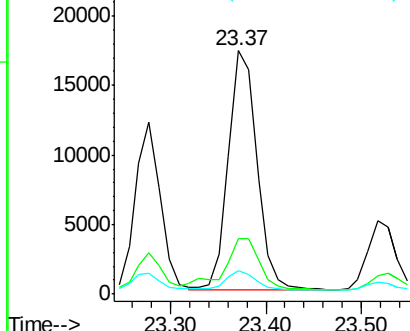
125 9.6 18.1 27.1#

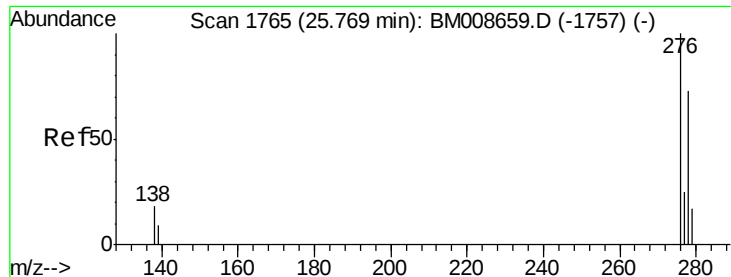


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 3.70 ng/ul

RT: 25.71 min Scan# 1759

Delta R.T. -0.06 min

Lab File: BM008668.D

Acq: 25 Dec 2016 13:08

Instrument :

BNA_M

ClientSampleId :

DA863DL

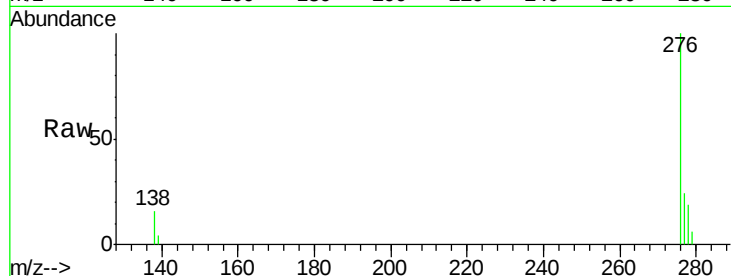
Tgt Ion:276 Resp: 25517

Ion Ratio Lower Upper

276 100

138 14.0 19.1 28.7#

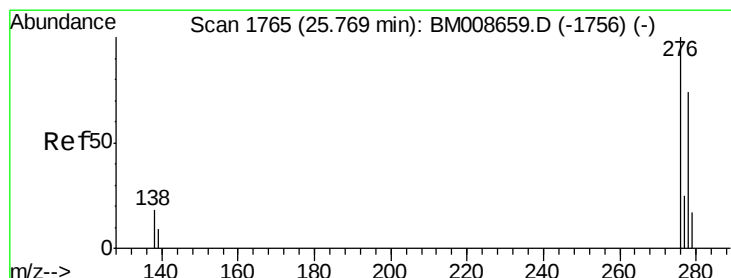
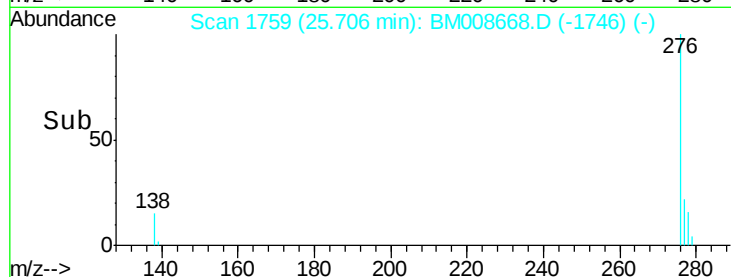
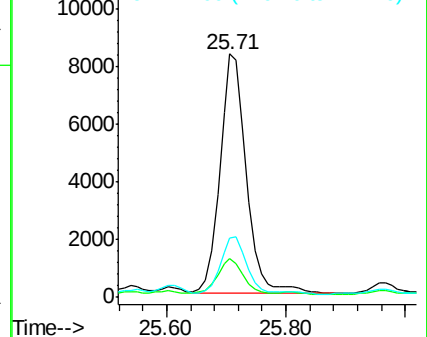
277 24.4 19.6 29.4



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

Dibenzo(a,h)anthracene

Concen: 0.96 ng/ul

RT: 25.71 min Scan# 1759

Delta R.T. -0.06 min

Lab File: BM008668.D

Acq: 25 Dec 2016 13:08

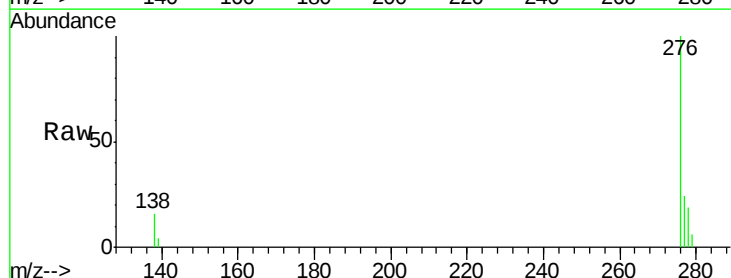
Tgt Ion:278 Resp: 5289

Ion Ratio Lower Upper

278 100

139 20.2 17.4 26.0

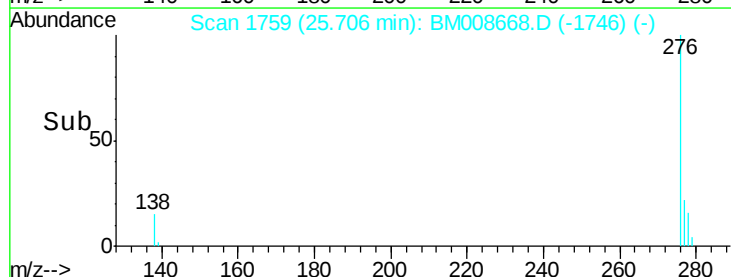
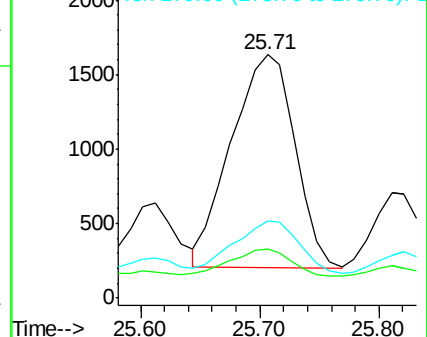
279 31.7 25.9 38.9

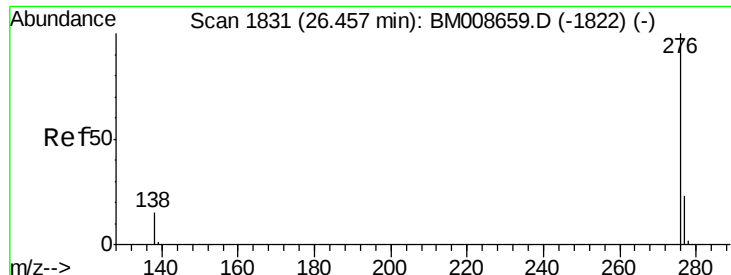


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(g,h,i)perylene

Concen: 3.75 ng/ul

RT: 26.39 min Scan# 1825

Delta R.T. -0.06 min

Lab File: BM008668.D

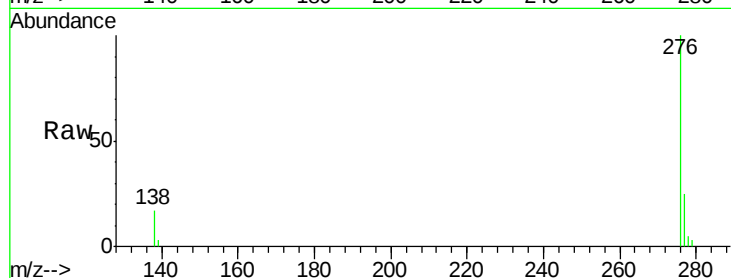
Acq: 25 Dec 2016 13:08

Instrument :

BNA_M

ClientSampleId :

DA863DL



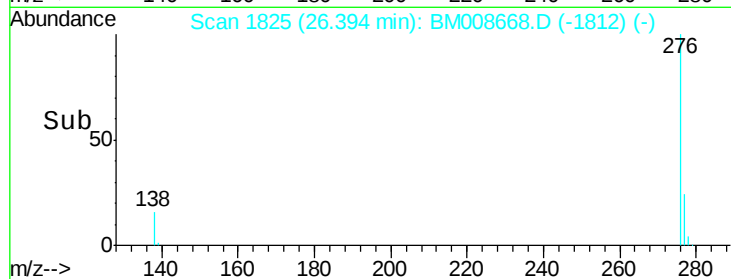
Tgt Ion: 276 Resp: 22182

Ion Ratio Lower Upper

276 100

277 25.2 21.8 32.8

138 17.1 20.5 30.7#



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

