

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008656.D
 Acq On : 25 Dec 2016 05:27
 Operator : UM/SJ
 Sample : H5995-12DL 5X
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA880DL

Quant Time: Dec 26 01:00:25 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 00:55:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	388	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.48	136	1168	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	716	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.16	188	5011	0.40	ng/ul	0.09
16) Chrysene-d12	21.26	240	1423	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	1511	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.08	152	34	0.02	ng/ul	0.00
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

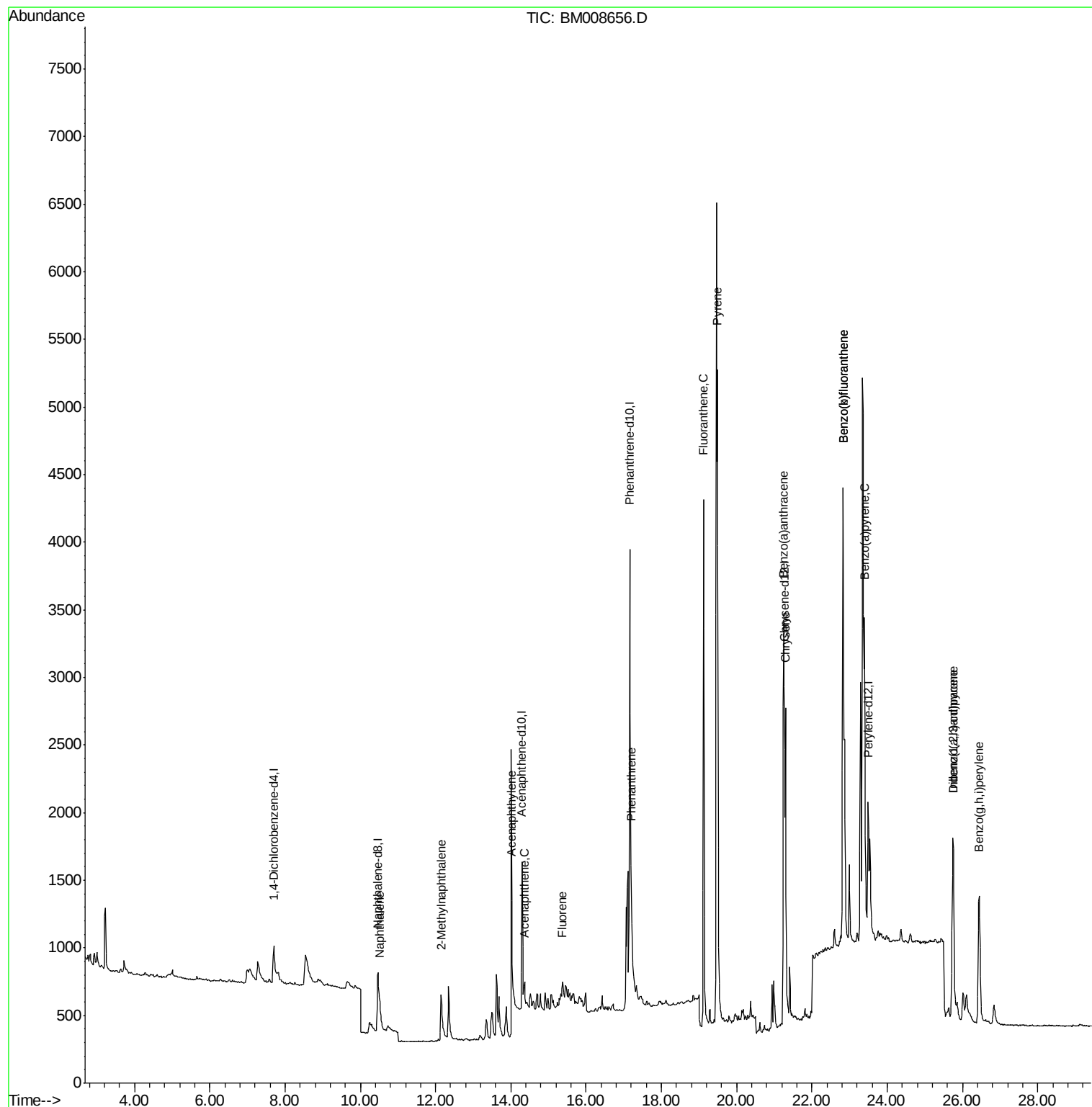
Target Compounds						Qvalue
3) Naphthalene	10.52	128	326	0.10	ng/ul#	29
5) 2-Methylnaphthalene	12.15	142	507	0.23	ng/ul#	80
7) Acenaphthylene	14.02	152	424	0.13	ng/ul#	62
8) Acenaphthene	14.37	153	208	0.09	ng/ul#	85
9) Fluorene	15.38	166	253	0.09	ng/ul#	81
12) Phenanthrene	17.19	178	692	0.05	ng/ul#	71
15) Fluoranthene	19.12	202	4572	0.24	ng/ul	97
17) Pyrene	19.48	202	5116	0.93	ng/ul	98
18) Benzo(a)anthracene	21.25	228	3275	0.70	ng/ul#	93
19) Chrysene	21.29	228	2895	0.57	ng/ul#	91
21) Benzo(b)fluoranthene	22.83	252	8251	1.39	ng/ul	90
22) Benzo(k)fluoranthene	22.83	252	8251	1.42	ng/ul#	92
23) Benzo(a)pyrene	23.40	252	3550	0.64	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.74	276	2906	0.44	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.74	278	611	0.12	ng/ul#	52
26) Benzo(g,h,i)perylene	26.44	276	2368	0.42	ng/ul	92

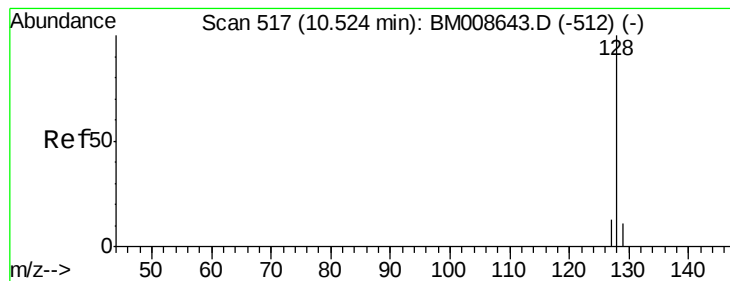
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.52 min Scan# 517

Delta R.T. 0.00 min

Lab File: BM008656.D

Acq: 25 Dec 2016 05:27

Instrument :

BNA_M

ClientSampleId :

DA880DL

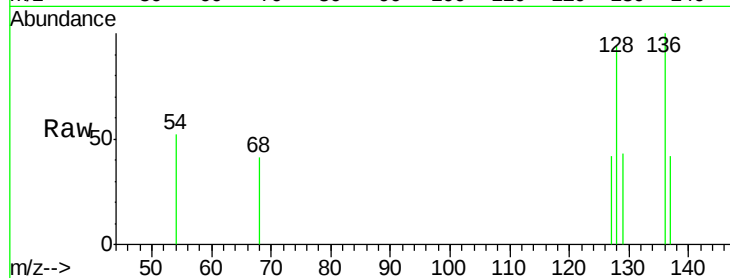
Tgt Ion:128 Resp: 326

Ion Ratio Lower Upper

128 100

129 45.6 11.3 16.9#

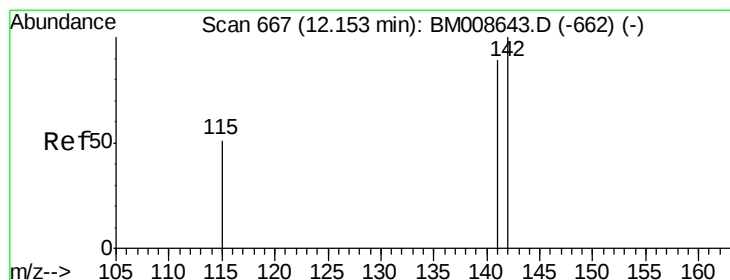
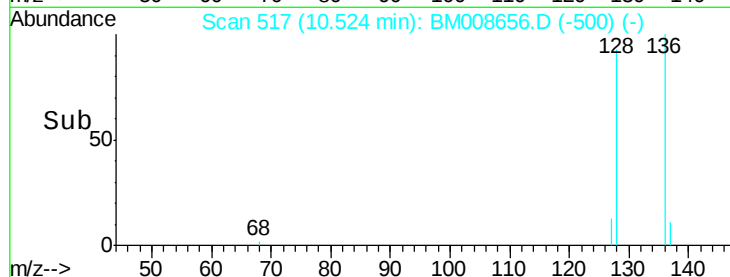
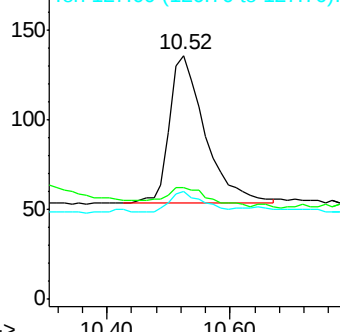
127 44.1 12.8 19.2#



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: 0.23 ng/ul

RT: 12.15 min Scan# 667

Delta R.T. 0.00 min

Lab File: BM008656.D

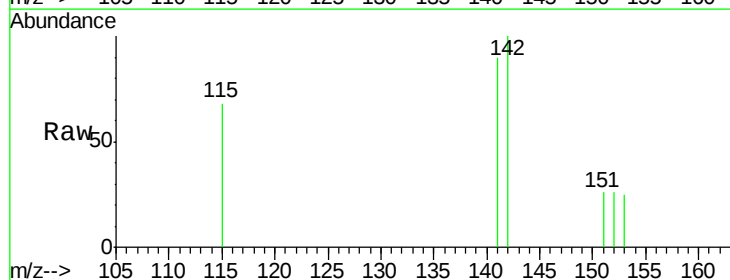
Acq: 25 Dec 2016 05:27

Tgt Ion:142 Resp: 507

Ion Ratio Lower Upper

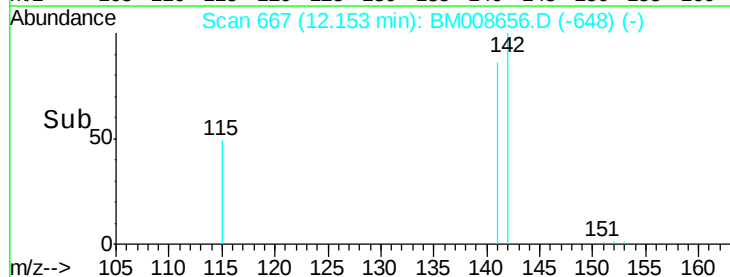
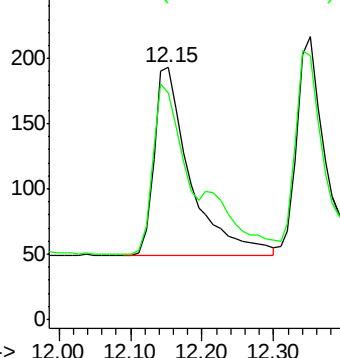
142 100

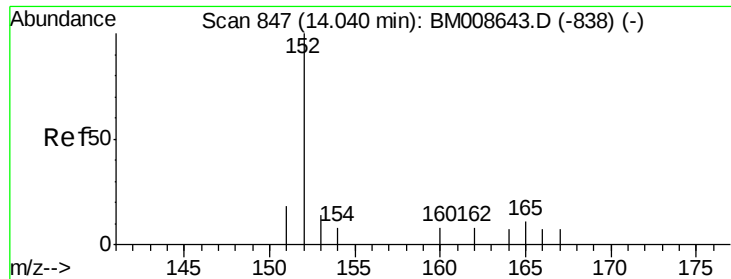
141 109.7 72.6 108.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.13 ng/ul

RT: 14.02 min Scan# 846

Delta R.T. -0.02 min

Lab File: BM008656.D

Acq: 25 Dec 2016 05:27

Instrument :

BNA_M

ClientSampleId :

DA880DL

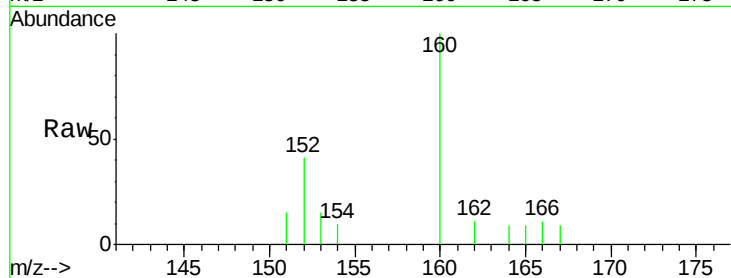
Tgt Ion:152 Resp: 424

Ion Ratio Lower Upper

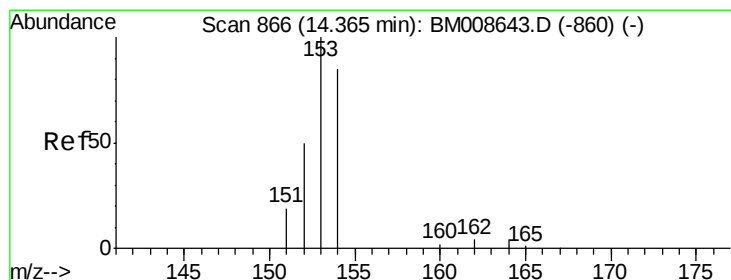
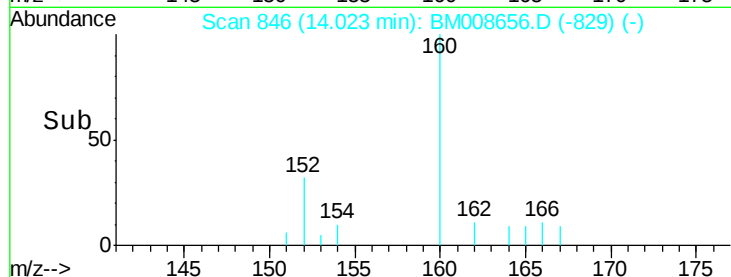
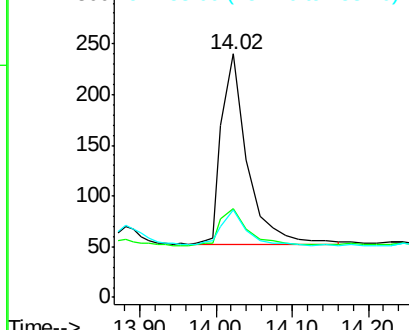
152 100

151 36.3 17.1 25.7#

153 35.8 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



#8

Acenaphthene

Concen: 0.09 ng/ul

RT: 14.37 min Scan# 866

Delta R.T. 0.00 min

Lab File: BM008656.D

Acq: 25 Dec 2016 05:27

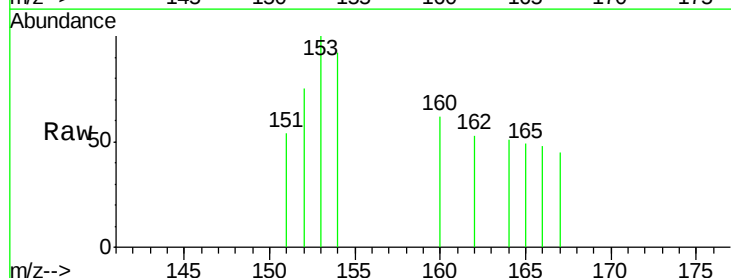
Tgt Ion:153 Resp: 208

Ion Ratio Lower Upper

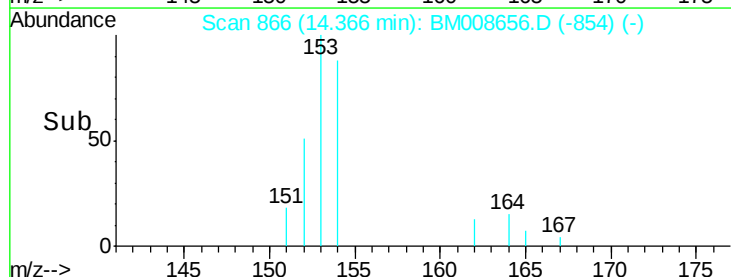
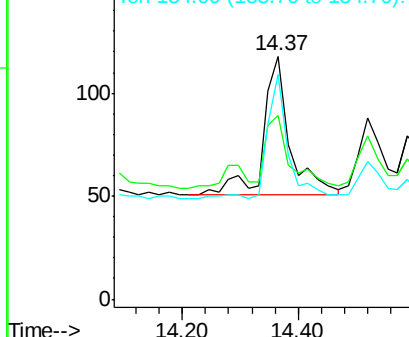
153 100

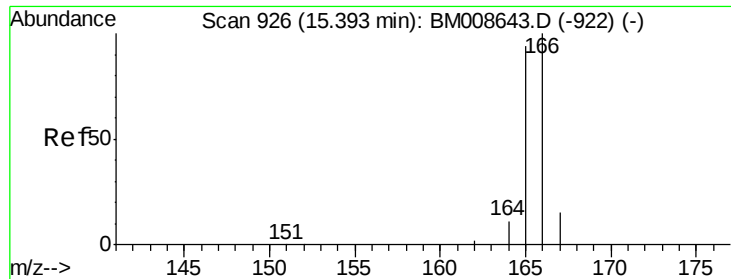
152 75.4 40.3 60.5#

154 92.4 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





#9

Fluorene

Concen: 0.09 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008656.D

Acq: 25 Dec 2016 05:27

Instrument :

BNA_M

ClientSampleId :

DA880DL

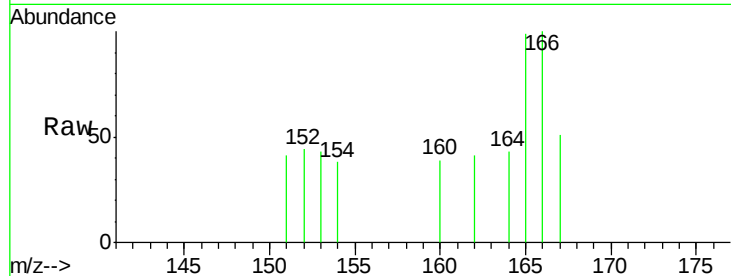
Tgt Ion:166 Resp: 253

Ion Ratio Lower Upper

166 100

165 99.3 73.4 110.2

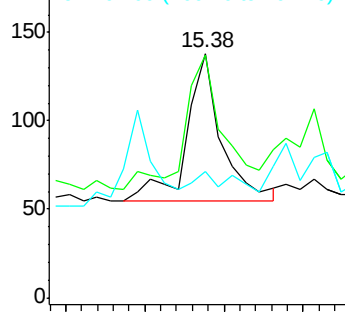
167 51.4 14.6 22.0#



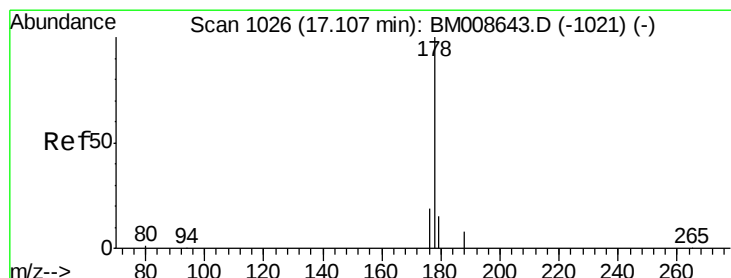
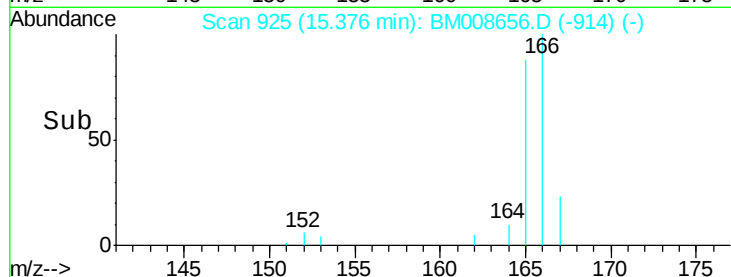
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. 0.09 min

Lab File: BM008656.D

Acq: 25 Dec 2016 05:27

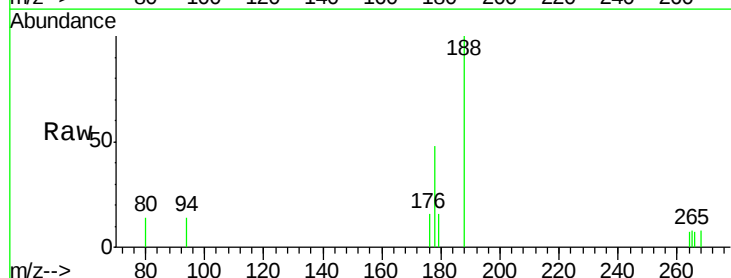
Tgt Ion:178 Resp: 692

Ion Ratio Lower Upper

178 100

176 33.0 18.4 27.6#

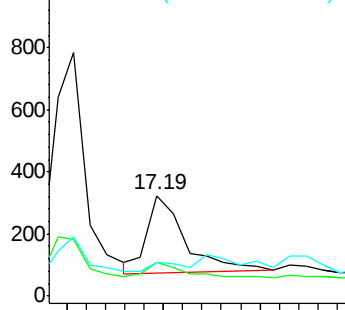
179 34.0 13.6 20.4#



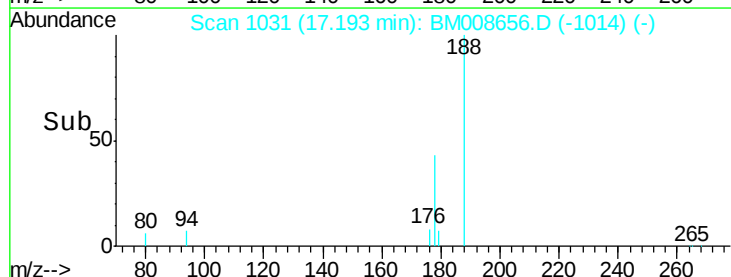
Abundance Ion 178.00 (177.70 to 178.70): E

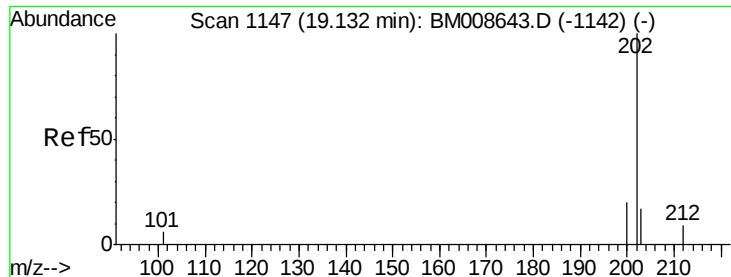
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

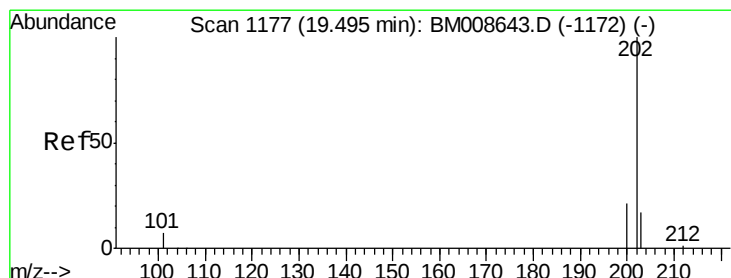
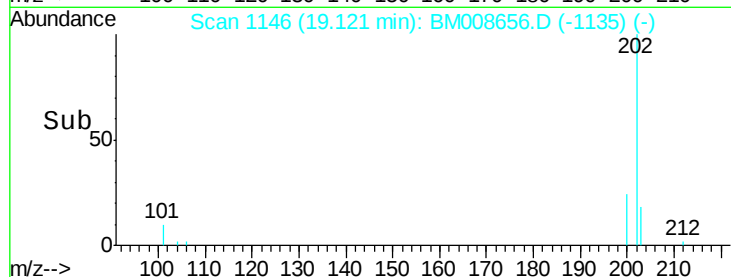
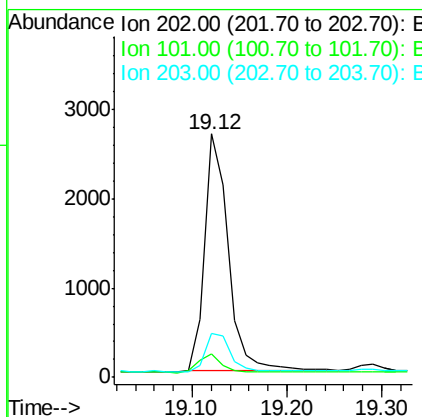
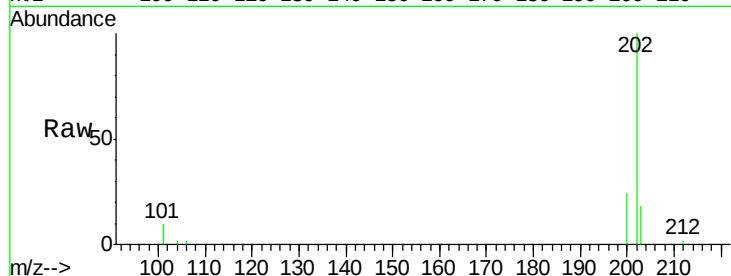




#15
Fluoranthene
 Concen: 0.24 ng/ul
 RT: 19.12 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BM008656.D
 Acq: 25 Dec 2016 05:27

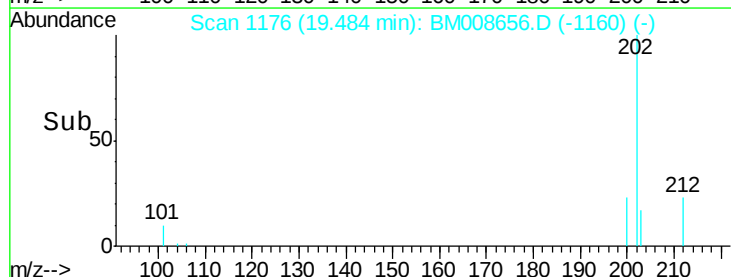
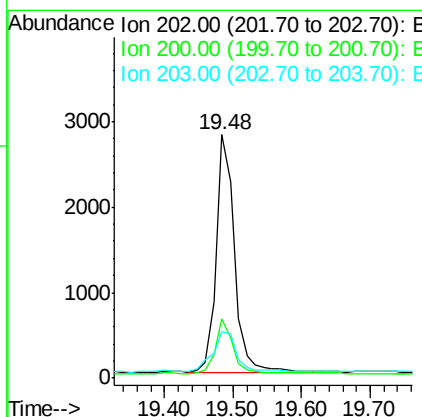
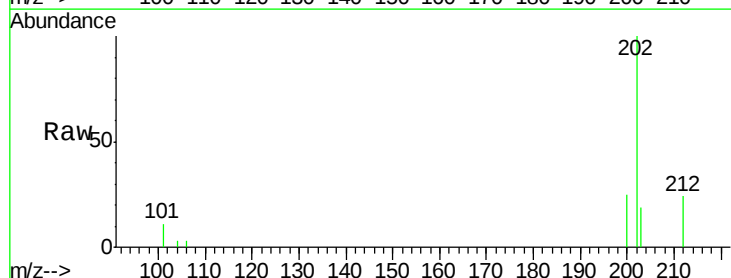
Instrument :
 BNA_M
 ClientSampleId :
 DA880DL

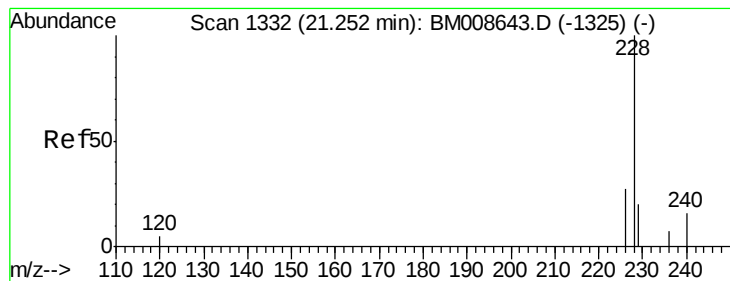
Tgt Ion:202 Resp: 4572
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 30.3
 203 17.9 0.0 39.5



#17
Pyrene
 Concen: 0.93 ng/ul
 RT: 19.48 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BM008656.D
 Acq: 25 Dec 2016 05:27

Tgt Ion:202 Resp: 5116
 Ion Ratio Lower Upper
 202 100
 200 24.5 18.2 27.4
 203 19.2 15.6 23.4

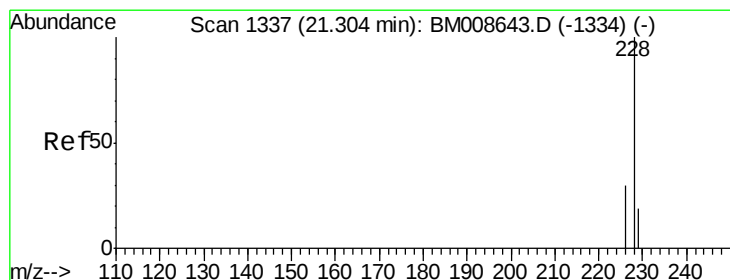
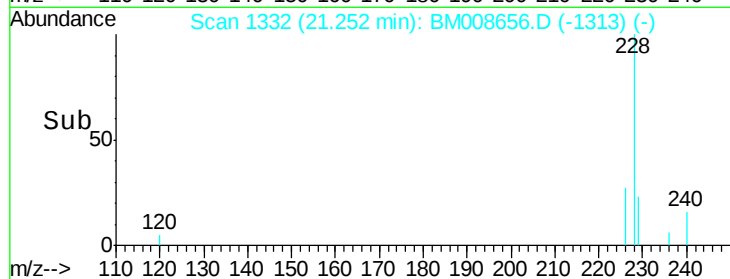
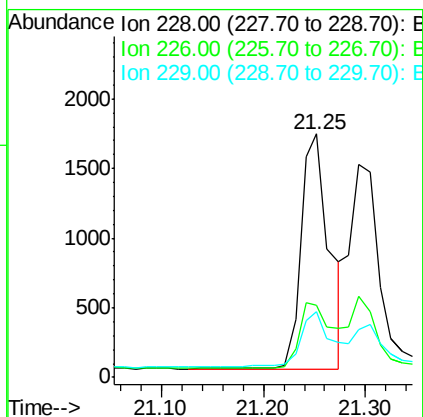
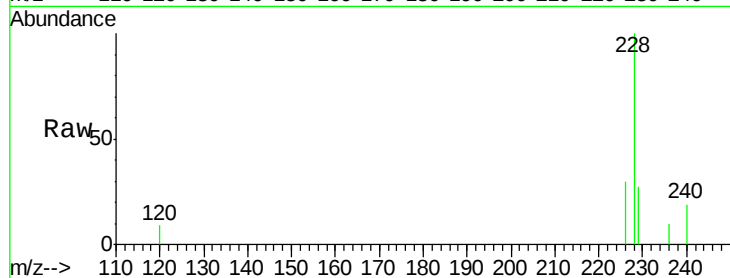




#18
Benzo(a)anthracene
Concen: 0.70 ng/ul
RT: 21.25 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BM008656.D
Acq: 25 Dec 2016 05:27

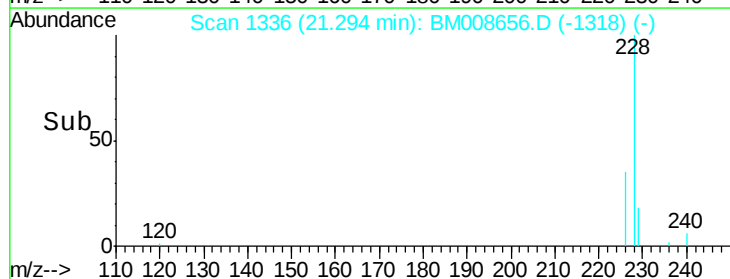
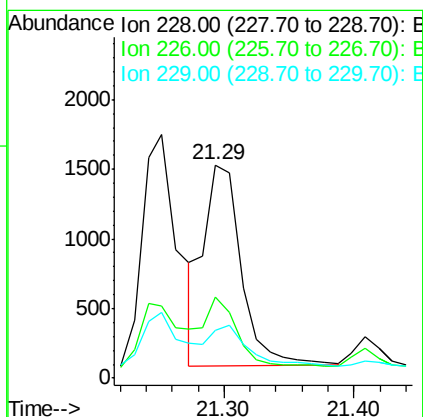
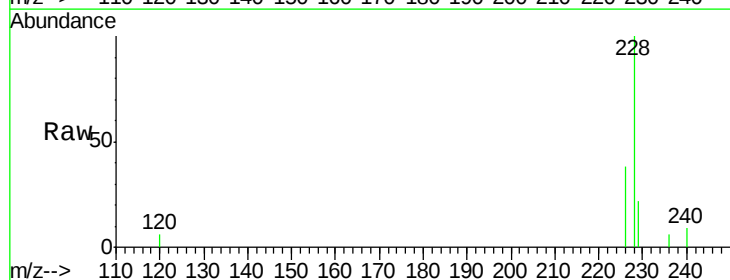
Instrument :
BNA_M
ClientSampleId :
DA880DL

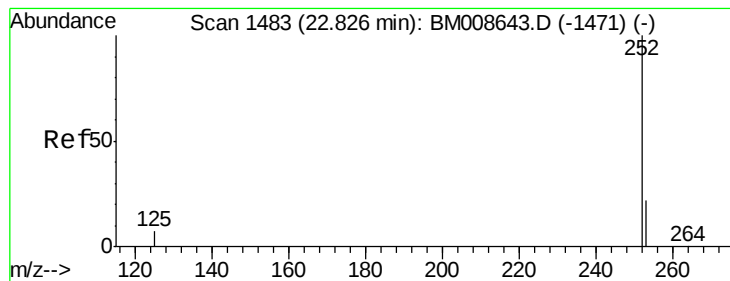
Tgt Ion:228 Resp: 3275
Ion Ratio Lower Upper
228 100
226 29.8 22.8 34.2
229 26.9 17.0 25.6#



#19
Chrysene
Concen: 0.57 ng/ul
RT: 21.29 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BM008656.D
Acq: 25 Dec 2016 05:27

Tgt Ion:228 Resp: 2895
Ion Ratio Lower Upper
228 100
226 37.8 23.4 35.0#
229 22.4 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 1.39 ng/u1

RT: 22.83 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BM008656.D

Acq: 25 Dec 2016 05:27

Instrument :

BNA_M

ClientSampleId :

DA880DL

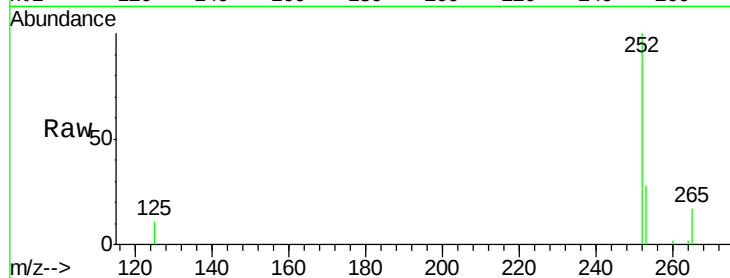
Tgt Ion:252 Resp: 8251

Ion Ratio Lower Upper

252 100

253 28.2 0.0 64.2

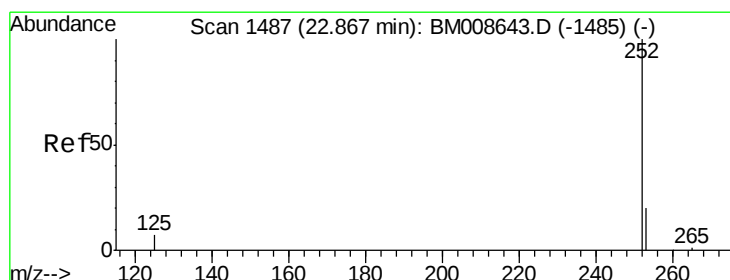
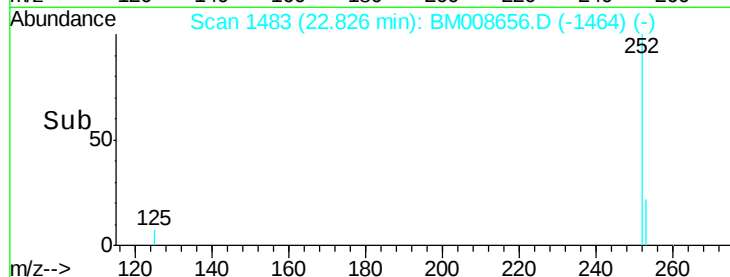
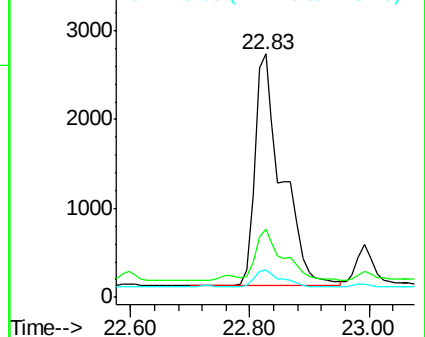
125 11.2 0.0 35.0



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: 1.42 ng/u1

RT: 22.83 min Scan# 1483

Delta R.T. -0.04 min

Lab File: BM008656.D

Acq: 25 Dec 2016 05:27

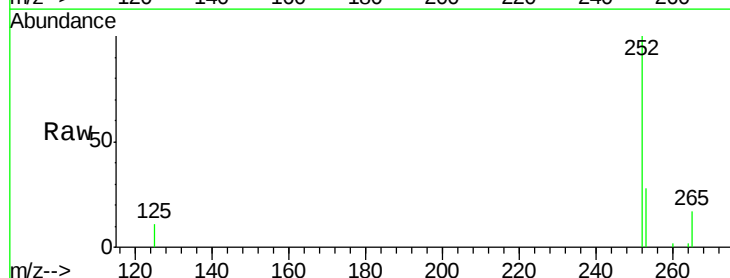
Tgt Ion:252 Resp: 8251

Ion Ratio Lower Upper

252 100

253 28.2 24.5 36.7

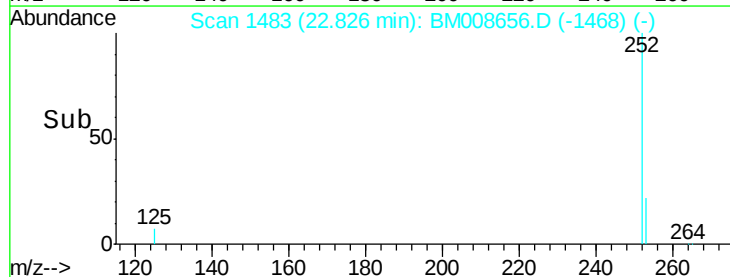
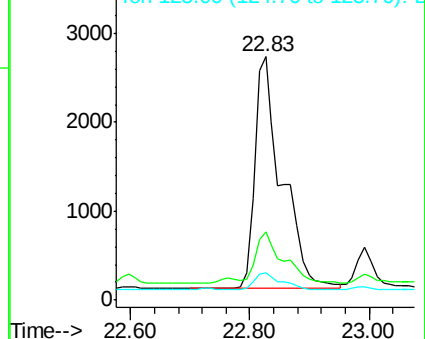
125 11.2 13.7 20.5#

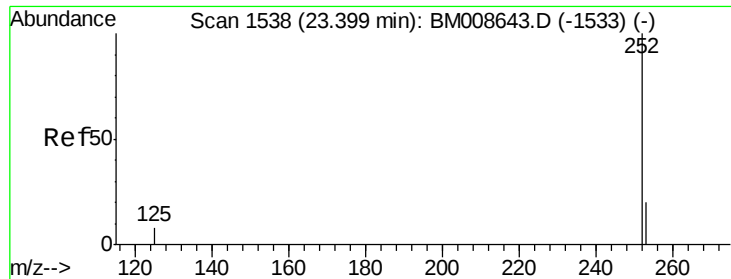


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.64 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BM008656.D

Acq: 25 Dec 2016 05:27

Instrument :

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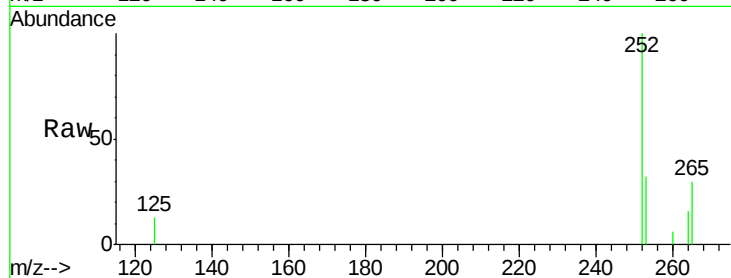
Tgt Ion:252 Resp: 3550

Ion Ratio Lower Upper

252 100

253 32.0 28.5 42.7

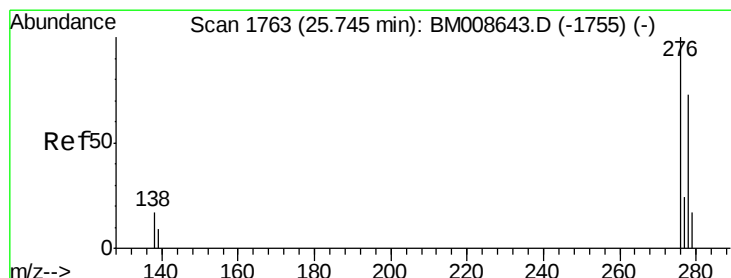
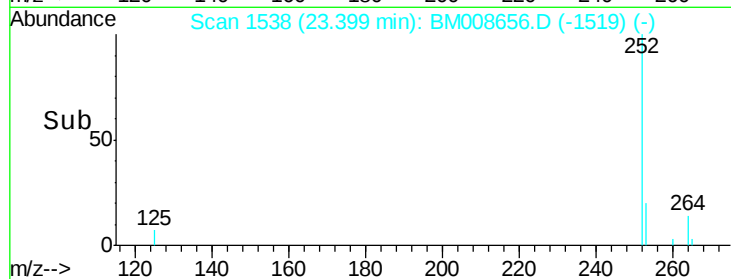
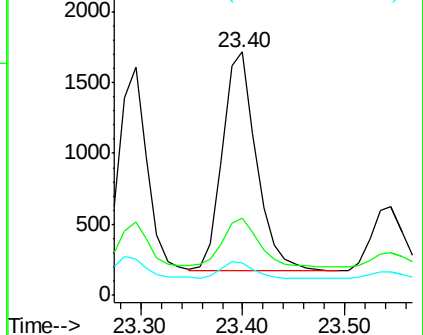
125 13.5 18.1 27.1#



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: 0.44 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BM008656.D

Acq: 25 Dec 2016 05:27

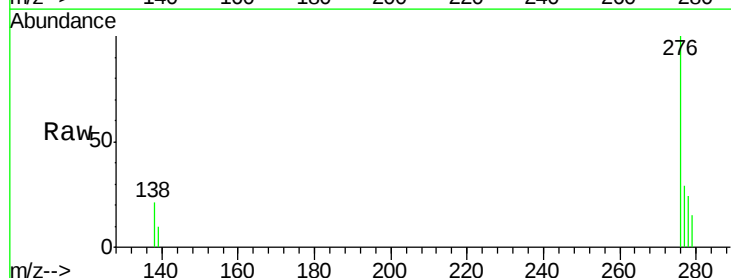
Tgt Ion:276 Resp: 2906

Ion Ratio Lower Upper

276 100

138 14.6 19.1 28.7#

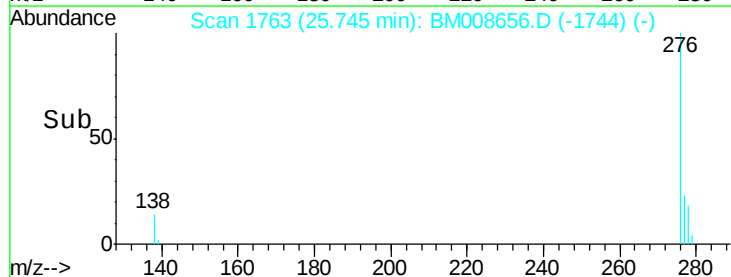
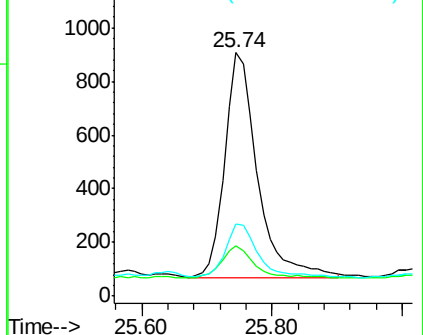
277 22.6 19.6 29.4

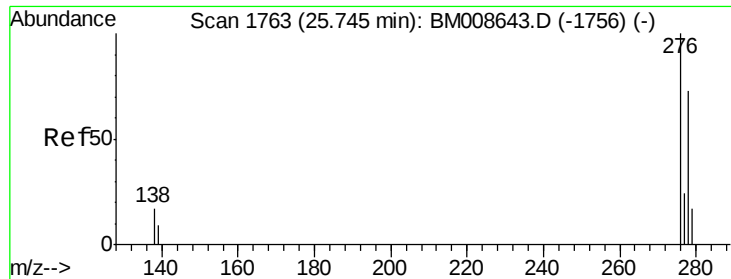


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.12 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BM008656.D

Acq: 25 Dec 2016 05:27

Instrument :

BNA_M

ClientSampleId :

DA880DL

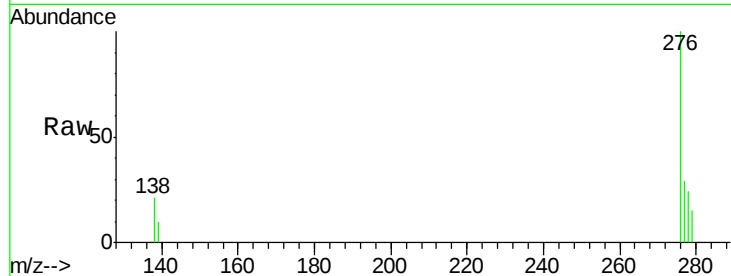
Tgt Ion:278 Resp: 611

Ion Ratio Lower Upper

278 100

139 41.4 17.4 26.0#

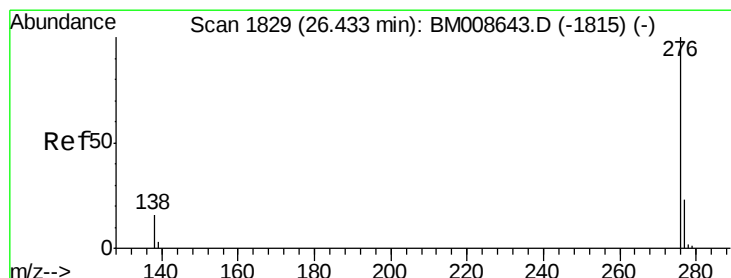
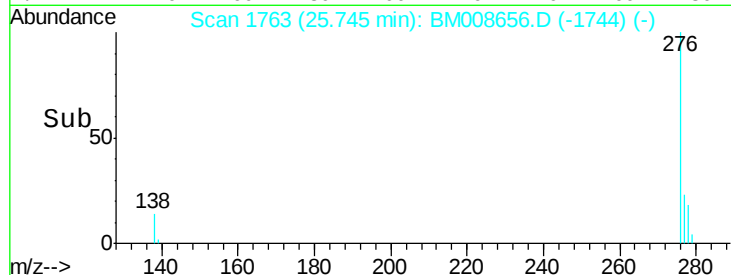
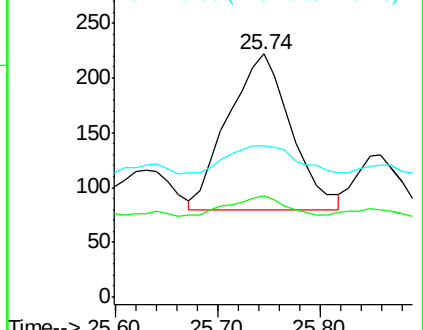
279 62.2 25.9 38.9#



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: 0.42 ng/ul

RT: 26.44 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BM008656.D

Acq: 25 Dec 2016 05:27

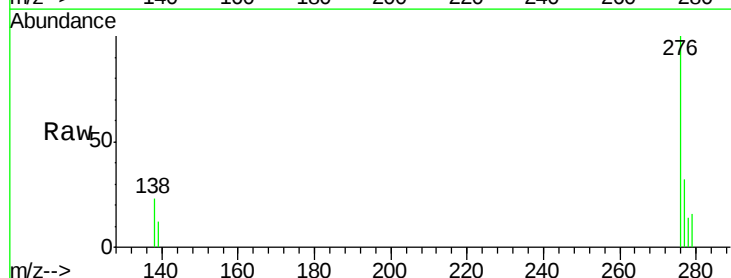
Tgt Ion:276 Resp: 2368

Ion Ratio Lower Upper

276 100

277 32.2 21.8 32.8

138 22.6 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

