

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
 Data File : BM008212.D
 Acq On : 09 Dec 2016 19:16
 Operator : UM/SJ
 Sample : H5863-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y6

Quant Time: Dec 10 00:45:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 10 00:42:03 2016
 Response via : Initial Calibration

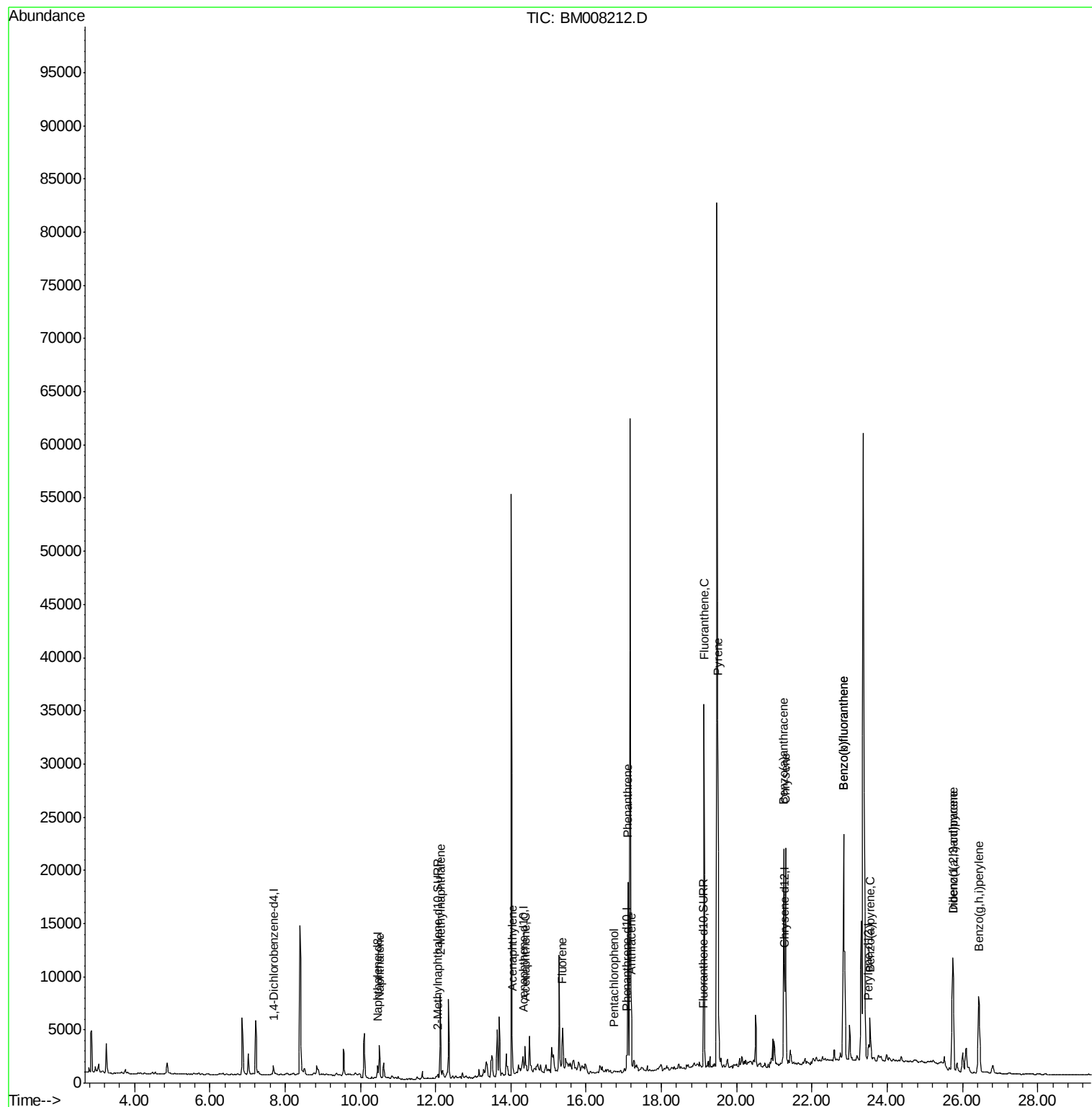
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	514	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	1652	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.33	164	1041	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1783	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	1870	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1732	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	553	0.24	ng/ul	-0.04
14) Fluoranthene-d10	19.11	212	4202	0.83	ng/ul	-0.01
Target Compounds				Qvalue		
3) Naphthalene	10.51	128	4499	0.97	ng/ul	98
5) 2-Methylnaphthalene	12.13	142	6082	2.04	ng/ul	97
7) Acenaphthylene	14.04	152	2827	0.60	ng/ul#	91
8) Acenaphthene	14.38	153	1442	0.40	ng/ul	100
9) Fluorene	15.38	166	3160	0.77	ng/ul#	81
11) Pentachlorophenol	16.75	266	64	0.10	ng/ul	92
12) Phenanthrene	17.11	178	20400	3.67	ng/ul	97
13) Anthracene	17.21	178	6312	1.21	ng/ul	96
15) Fluoranthene	19.14	202	32535	4.54	ng/ul	94
17) Pyrene	19.50	202	30152	4.64	ng/ul	98
18) Benzo(a)anthracene	21.26	228	18628	3.25	ng/ul	98
19) Chrysene	21.31	228	20403	2.86	ng/ul	97
21) Benzo(b)fluoranthene	22.84	252	47142	6.82	ng/ul	85
22) Benzo(k)fluoranthene	22.84	252	47142	6.61	ng/ul#	87
23) Benzo(a)pyrene	23.55	252	5167	0.80	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.75	276	17844	2.23	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.75	278	5136	0.80	ng/ul	93
26) Benzo(g,h,i)perylene	26.44	276	15931	2.24	ng/ul#	91

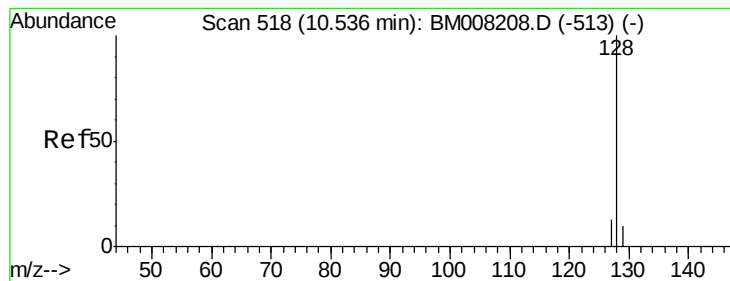
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.97 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.02 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

Instrument :

BNA_M

ClientSampleId :

DA7Y6

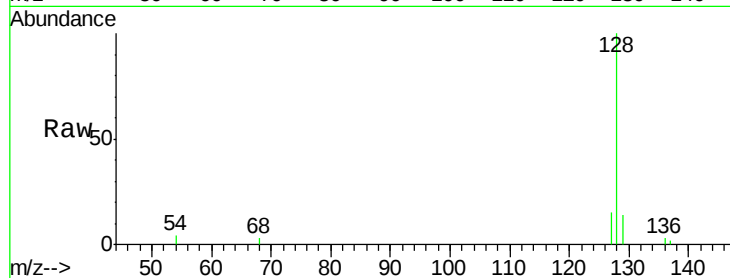
Tgt Ion:128 Resp: 4499

Ion Ratio Lower Upper

128 100

129 13.5 11.3 16.9

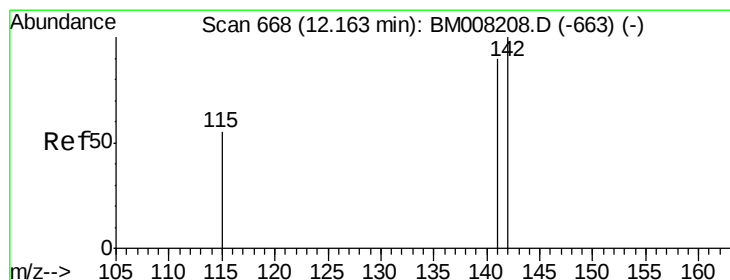
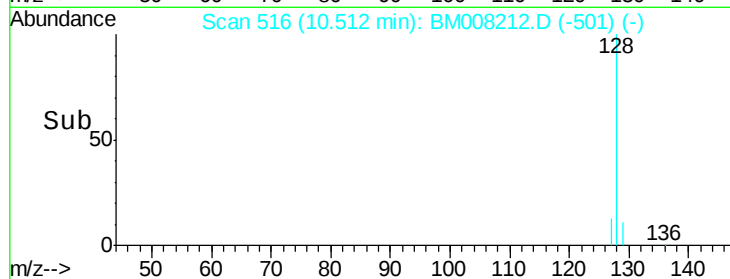
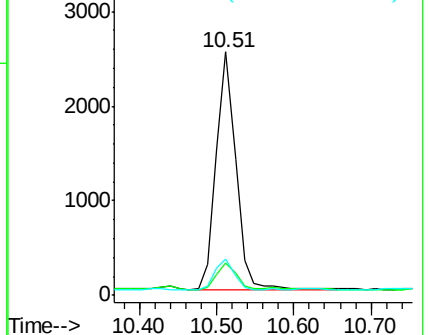
127 14.8 12.8 19.2



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: 2.04 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.03 min

Lab File: BM008212.D

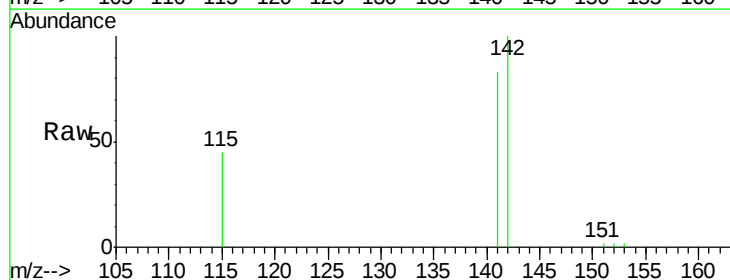
Acq: 09 Dec 2016 19:16

Tgt Ion:142 Resp: 6082

Ion Ratio Lower Upper

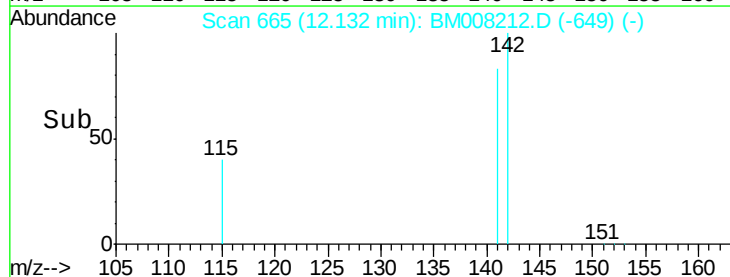
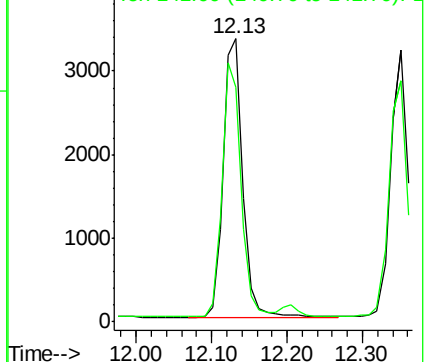
142 100

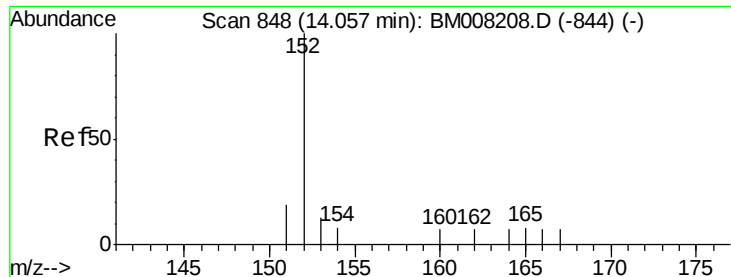
141 88.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.60 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

Instrument :

BNA_M

ClientSampleId :

DA7Y6

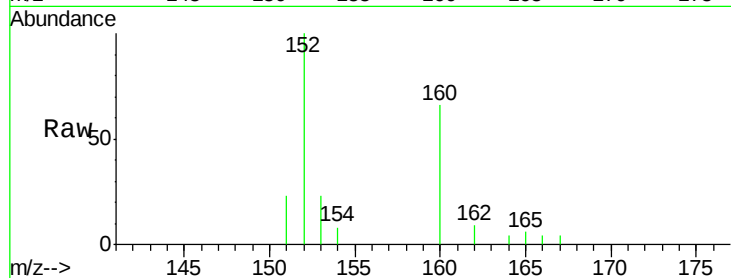
Tgt Ion:152 Resp: 2827

Ion Ratio Lower Upper

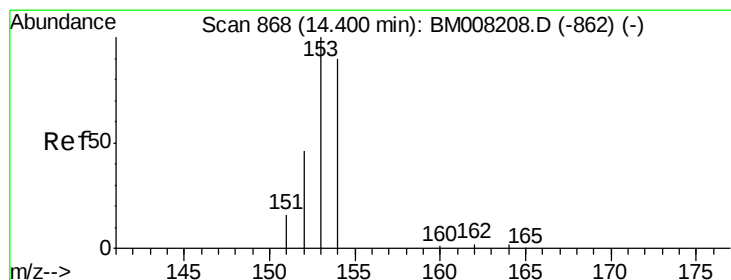
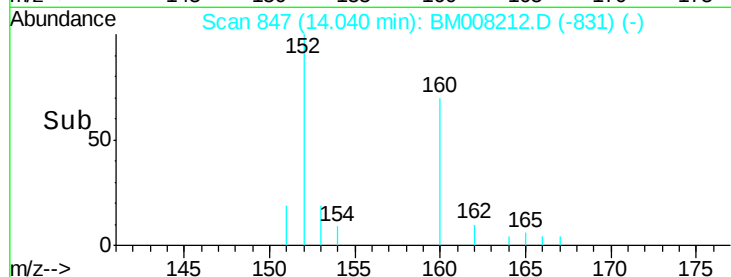
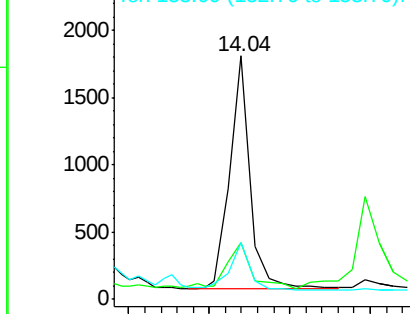
152 100

151 23.1 17.1 25.7

153 23.3 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: 0.40 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.02 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

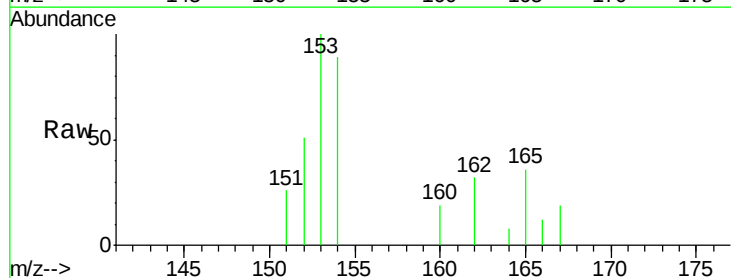
Tgt Ion:153 Resp: 1442

Ion Ratio Lower Upper

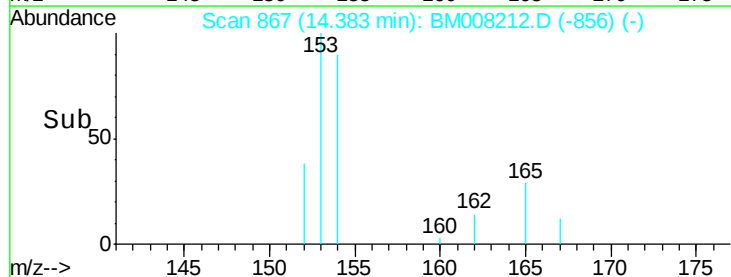
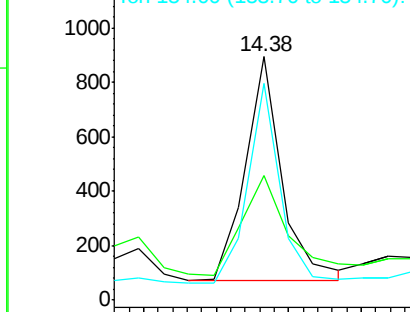
153 100

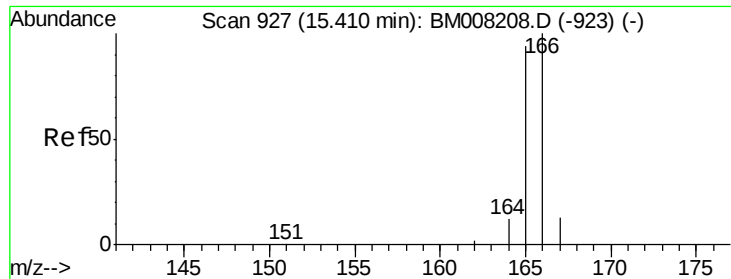
152 51.3 40.3 60.5

154 89.3 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

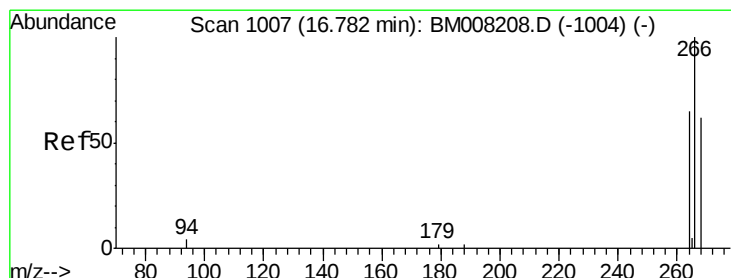
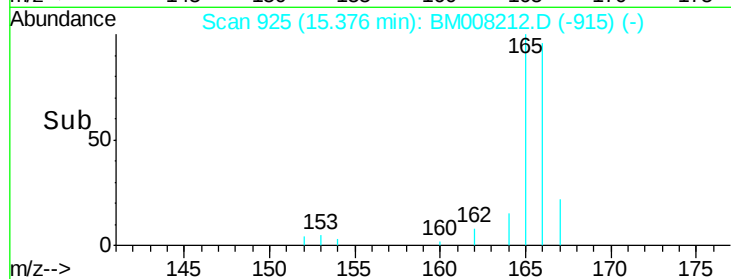
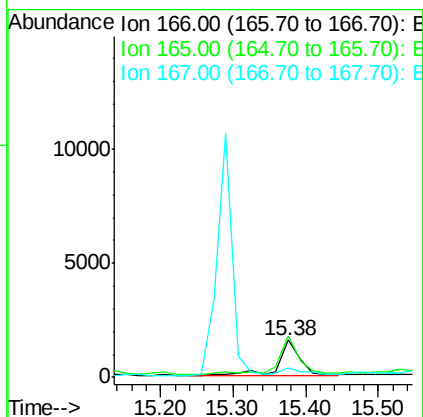
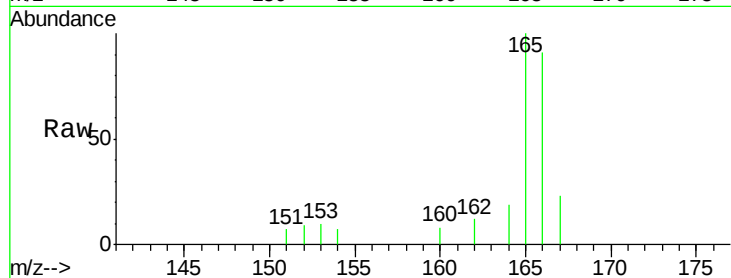




#9
Fluorene
 Concen: 0.77 ng/ul
 RT: 15.38 min Scan# 925
 Delta R.T. -0.03 min
 Lab File: BM008212.D
 Acq: 09 Dec 2016 19:16

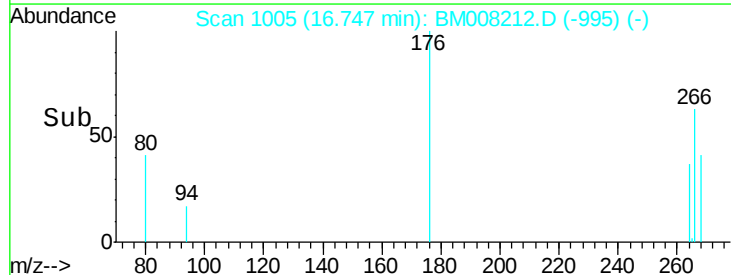
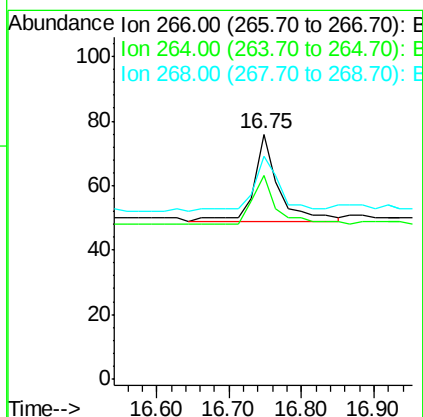
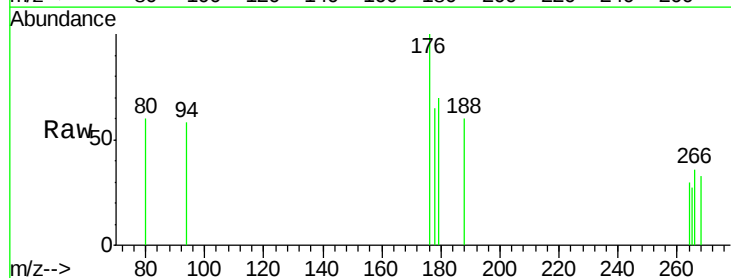
Instrument :
 BNA_M
 ClientSampleId :
 DA7Y6

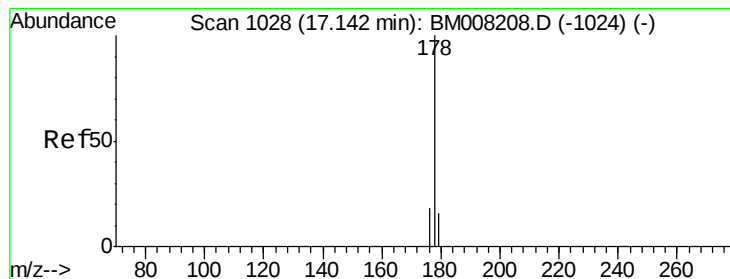
Tgt Ion:166 Resp: 3160
 Ion Ratio Lower Upper
 166 100
 165 110.3 73.4 110.2#
 167 25.9 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.10 ng/ul
 RT: 16.75 min Scan# 1005
 Delta R.T. -0.03 min
 Lab File: BM008212.D
 Acq: 09 Dec 2016 19:16

Tgt Ion:266 Resp: 64
 Ion Ratio Lower Upper
 266 100
 264 54.7 47.9 71.9
 268 68.8 49.8 74.8





#12

Phenanthrene

Concen: 3.67 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

Instrument :

BNA_M

ClientSampleId :

DA7Y6

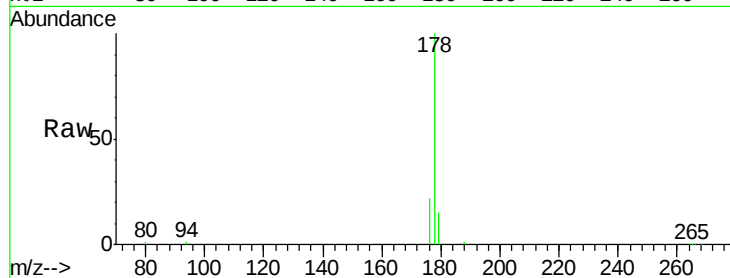
Tgt Ion:178 Resp: 20400

Ion Ratio Lower Upper

178 100

176 21.6 18.4 27.6

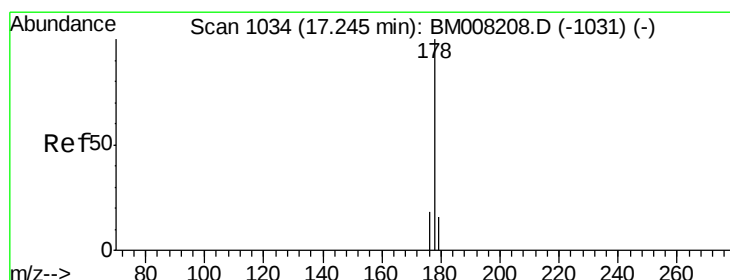
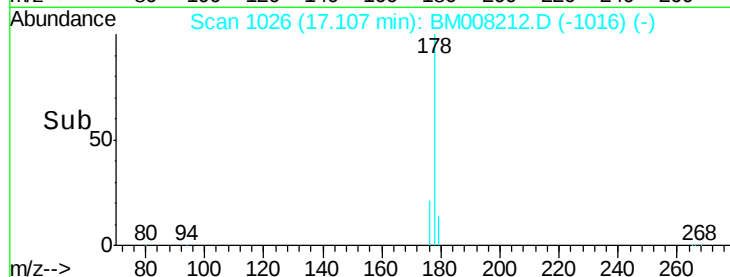
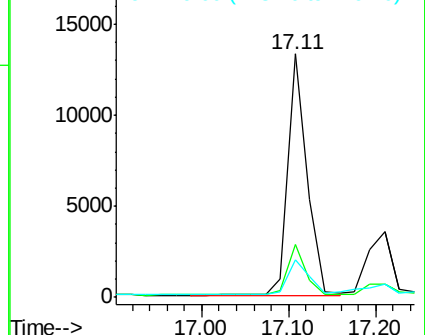
179 15.2 13.6 20.4



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



#13

Anthracene

Concen: 1.21 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

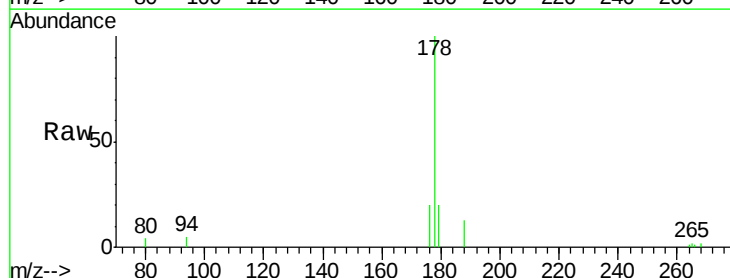
Tgt Ion:178 Resp: 6312

Ion Ratio Lower Upper

178 100

176 20.4 18.1 27.1

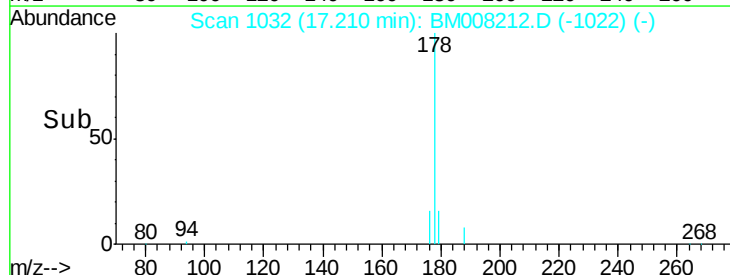
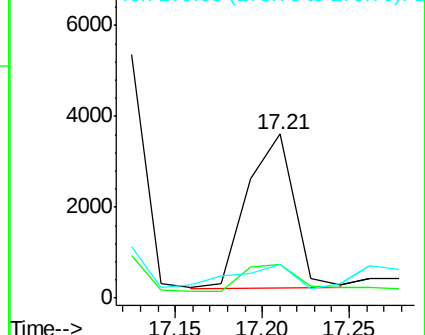
179 20.2 14.7 22.1

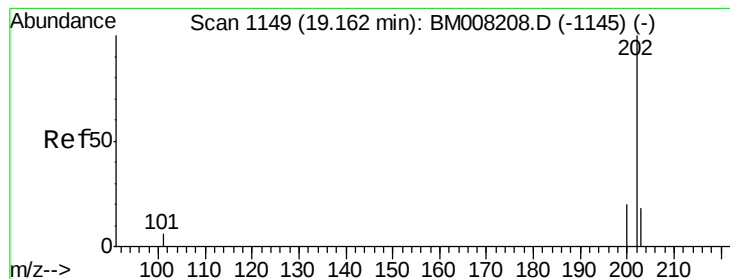


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 4.54 ng/ul

RT: 19.14 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

Instrument :

BNA_M

ClientSampleId :

DA7Y6

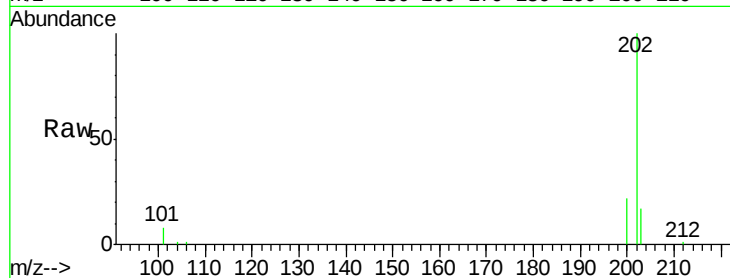
Tgt Ion:202 Resp: 32535

Ion Ratio Lower Upper

202 100

101 7.8 0.0 30.3

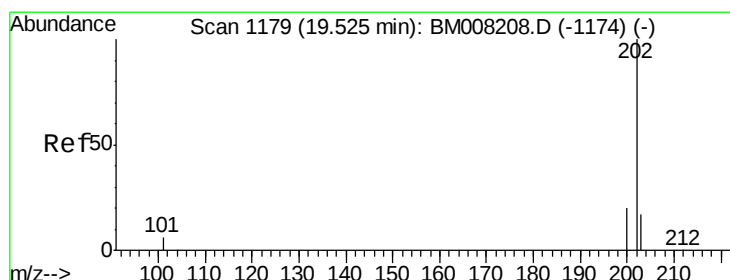
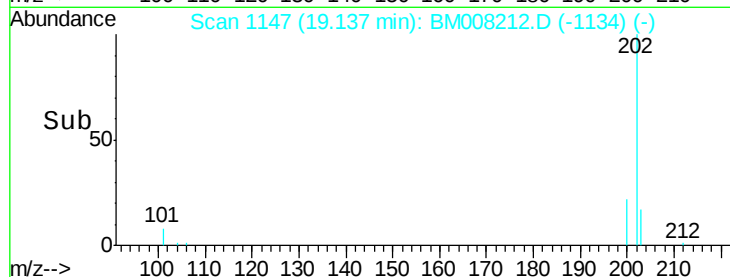
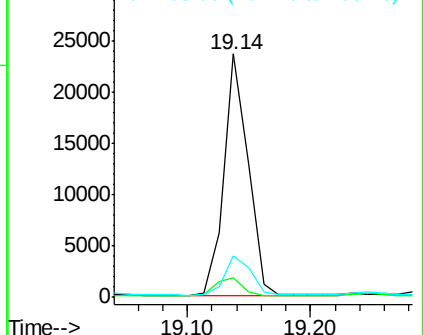
203 17.1 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#17

Pyrene

Concen: 4.64 ng/ul

RT: 19.50 min Scan# 1177

Delta R.T. -0.02 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

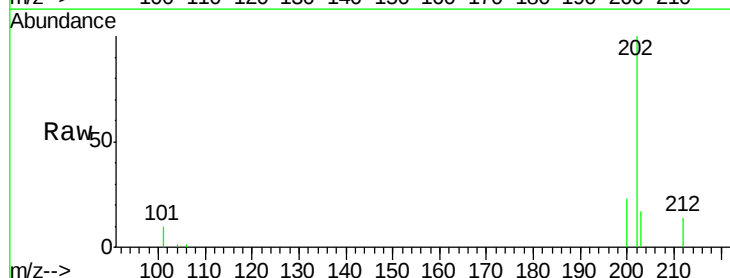
Tgt Ion:202 Resp: 30152

Ion Ratio Lower Upper

202 100

200 22.9 18.2 27.4

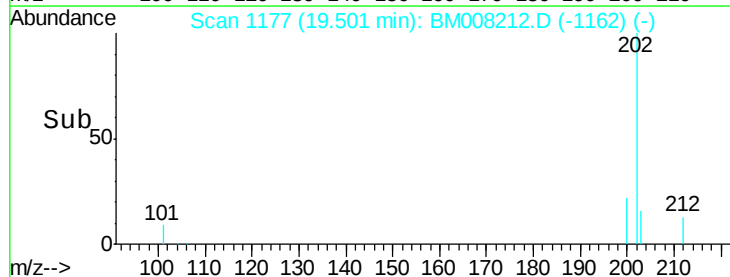
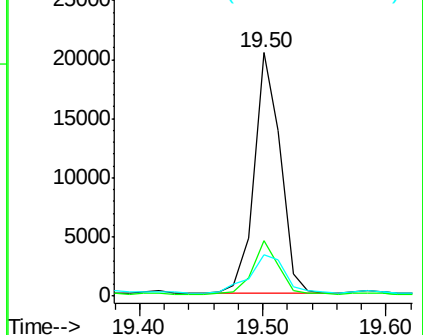
203 17.2 15.6 23.4

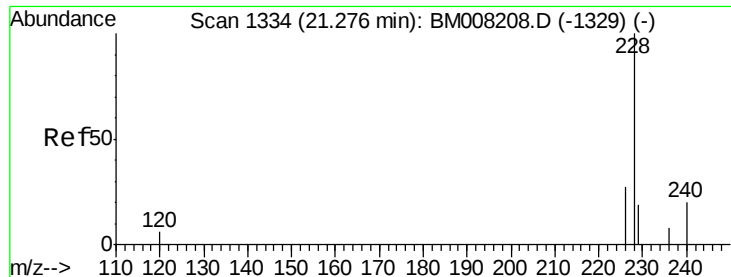


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 3.25 ng/ul

RT: 21.26 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

Instrument :

BNA_M

ClientSampleId :

DA7Y6

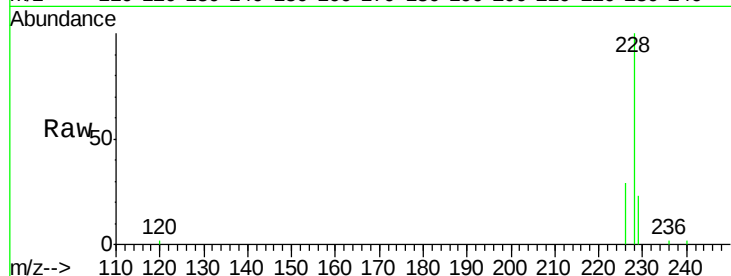
Tgt Ion:228 Resp: 18628

Ion Ratio Lower Upper

228 100

226 29.1 22.8 34.2

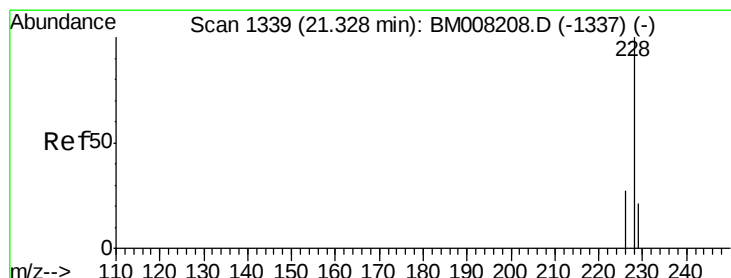
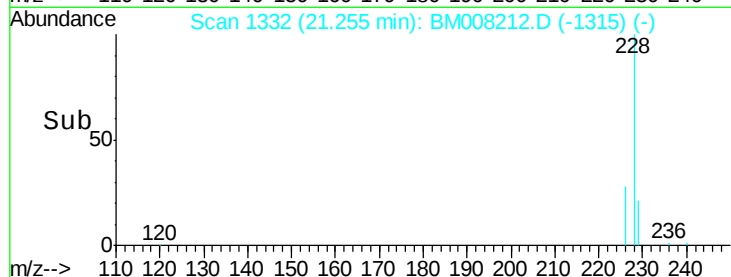
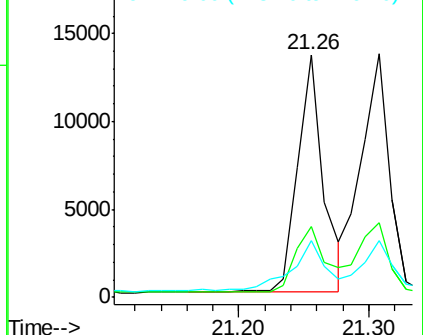
229 23.3 17.0 25.6



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



#19

Chrysene

Concen: 2.86 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

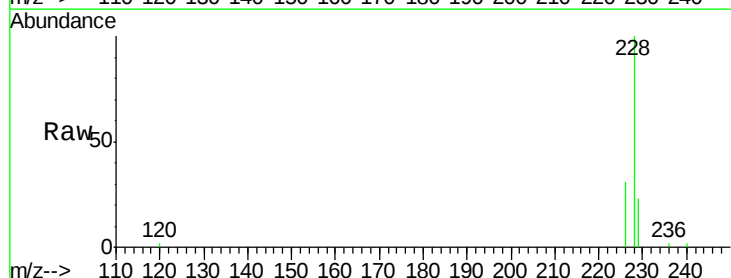
Tgt Ion:228 Resp: 20403

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

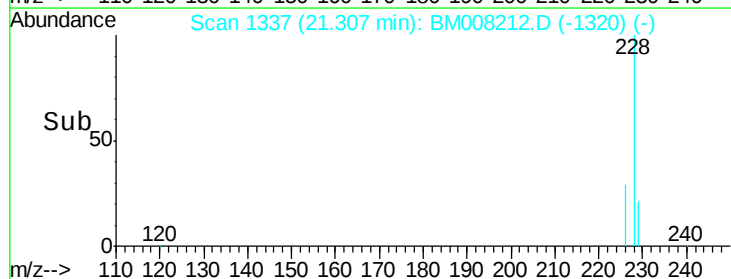
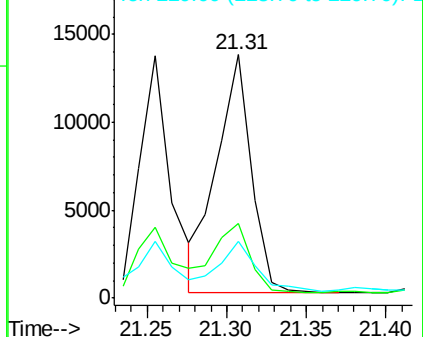
229 23.4 17.7 26.5

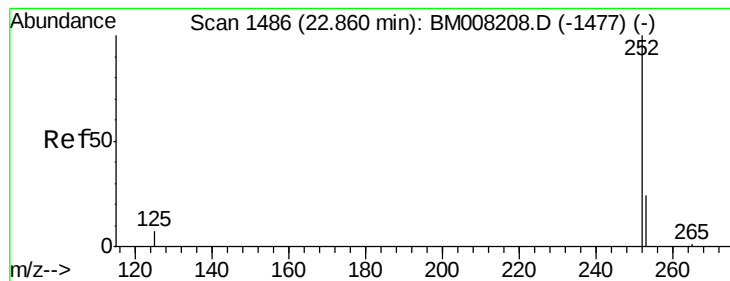


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 6.82 ng/u1

RT: 22.84 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

Instrument :

BNA_M

ClientSampleId :

DA7Y6

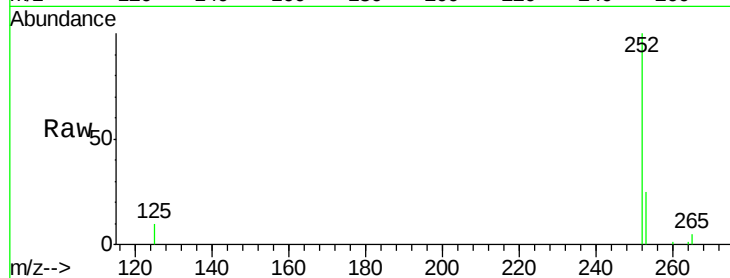
Tgt Ion:252 Resp: 47142

Ion Ratio Lower Upper

252 100

253 24.6 0.0 64.2

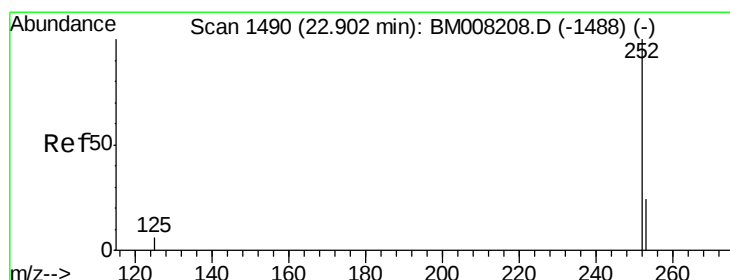
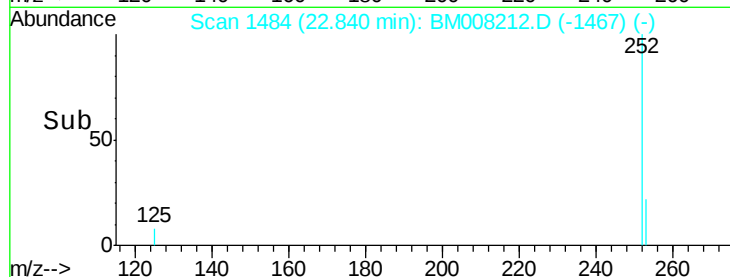
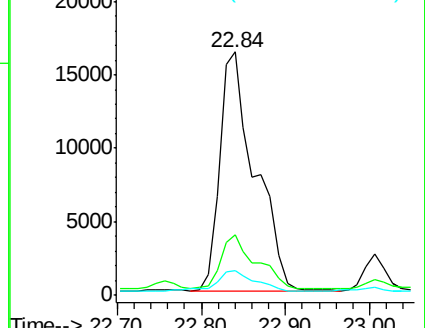
125 10.0 0.0 35.0



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: 6.61 ng/u1

RT: 22.84 min Scan# 1484

Delta R.T. -0.06 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

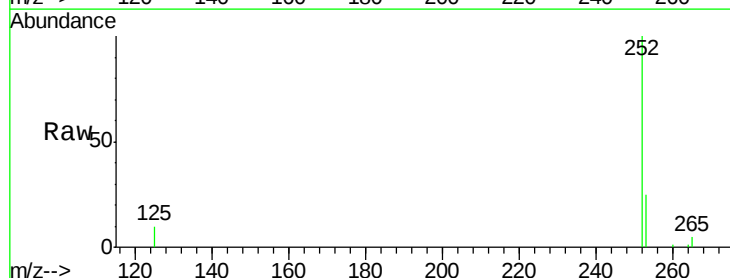
Tgt Ion:252 Resp: 47142

Ion Ratio Lower Upper

252 100

253 24.6 24.5 36.7

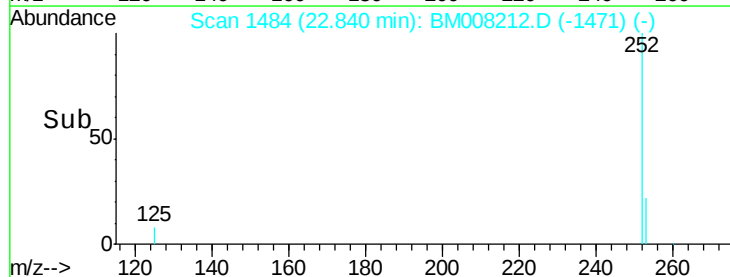
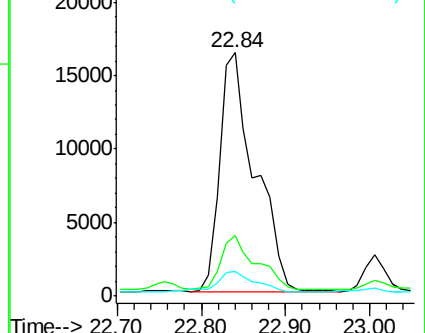
125 10.0 13.7 20.5#

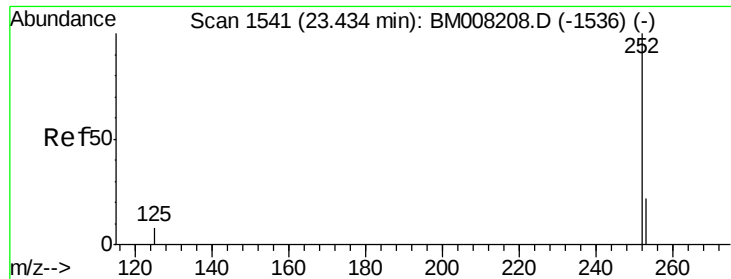


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.80 ng/ul

RT: 23.55 min Scan# 1552

Delta R.T. 0.11 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

Instrument :

BNA_M

ClientSampleId :

DA7Y6

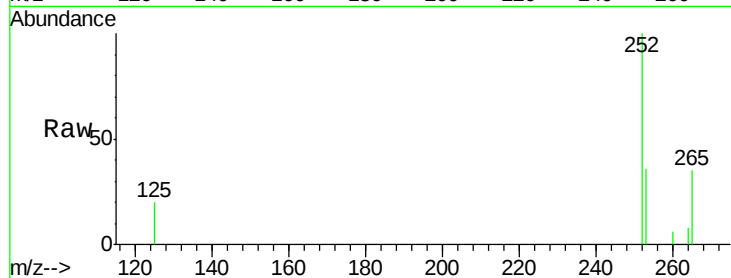
Tgt Ion:252 Resp: 5167

Ion Ratio Lower Upper

252 100

253 36.4 28.5 42.7

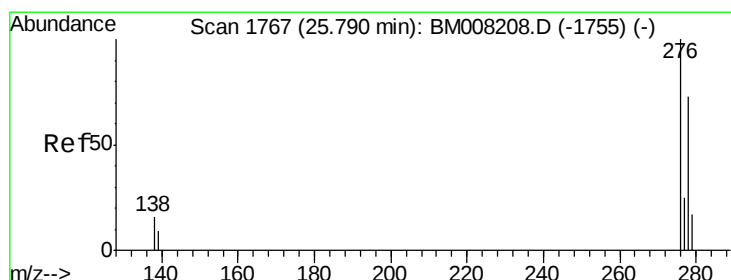
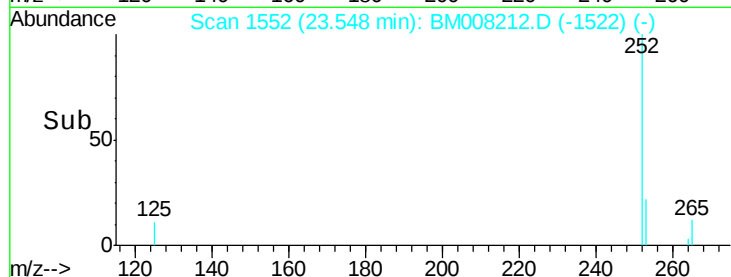
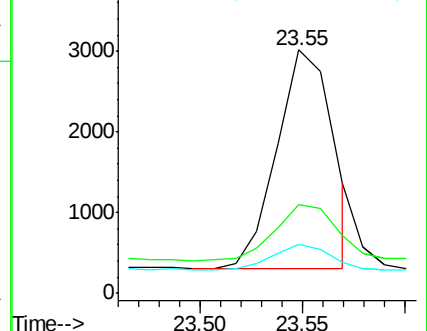
125 20.0 18.1 27.1



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: 2.23 ng/ul

RT: 25.75 min Scan# 1763

Delta R.T. -0.04 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

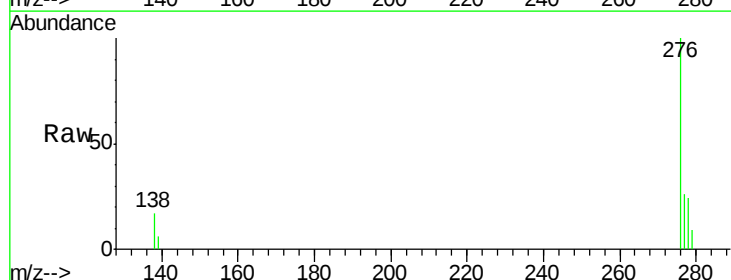
Tgt Ion:276 Resp: 17844

Ion Ratio Lower Upper

276 100

138 15.6 19.1 28.7#

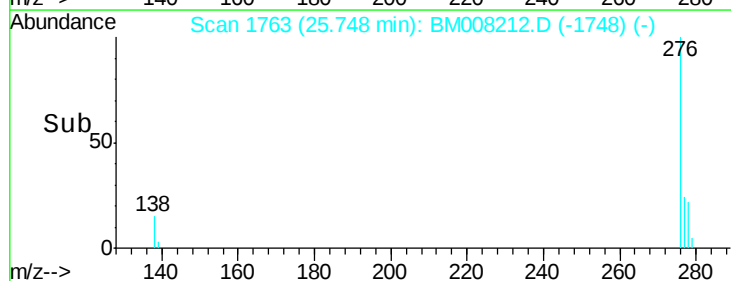
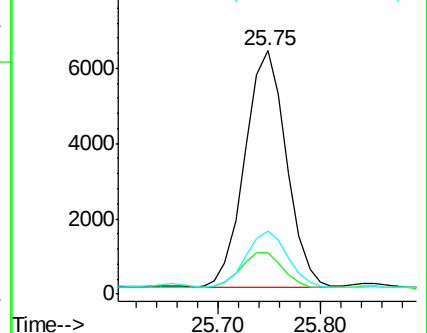
277 23.8 19.6 29.4

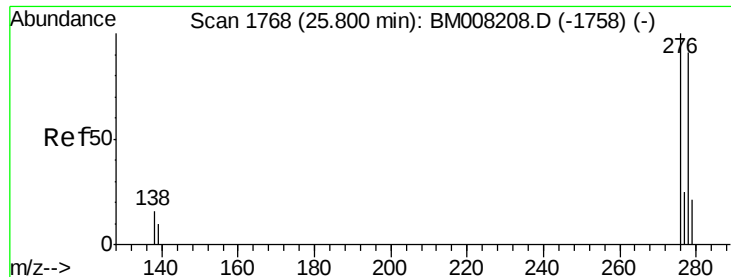


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.80 ng/ul

RT: 25.75 min Scan# 1763

Delta R.T. -0.05 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

Instrument :

BNA_M

ClientSampleId :

DA7Y6

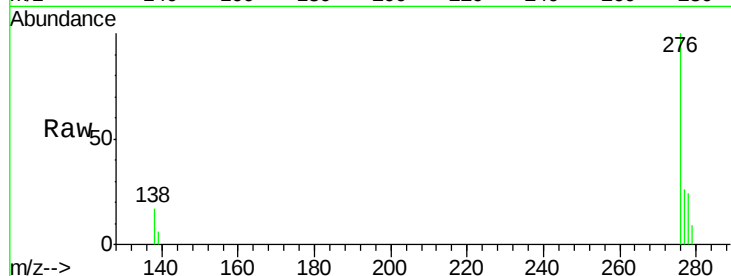
Tgt Ion: 278 Resp: 5136

Ion Ratio Lower Upper

278 100

139 24.3 17.4 26.0

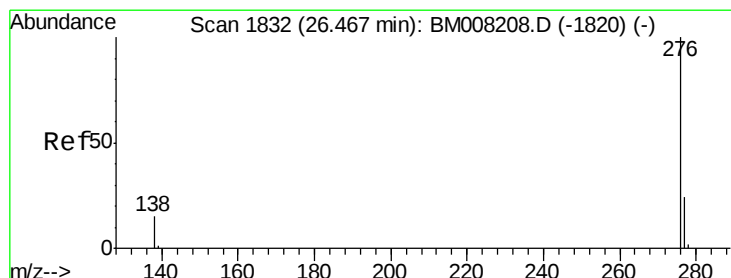
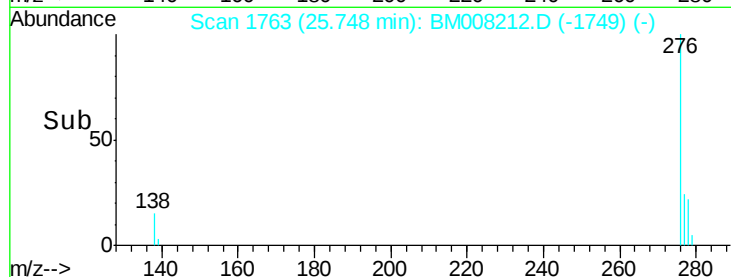
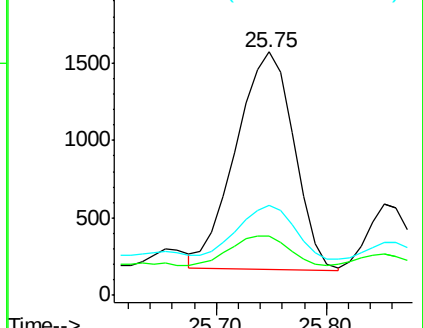
279 37.0 25.9 38.9



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: 2.24 ng/ul

RT: 26.44 min Scan# 1829

Delta R.T. -0.03 min

Lab File: BM008212.D

Acq: 09 Dec 2016 19:16

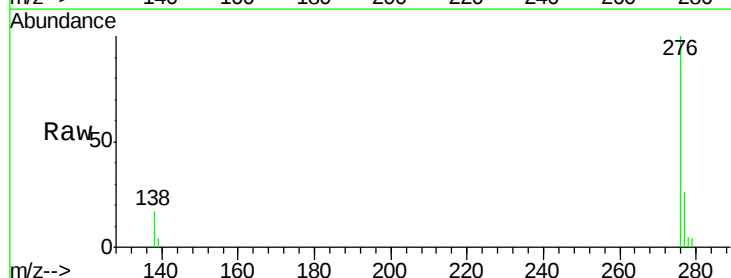
Tgt Ion: 276 Resp: 15931

Ion Ratio Lower Upper

276 100

277 25.6 21.8 32.8

138 17.5 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

