

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008226.D
 Acq On : 10 Dec 2016 11:27
 Operator : UM/SJ
 Sample : H5863-04RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 02:47:43 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 12 02:45:24 2016
 Response via : Initial Calibration

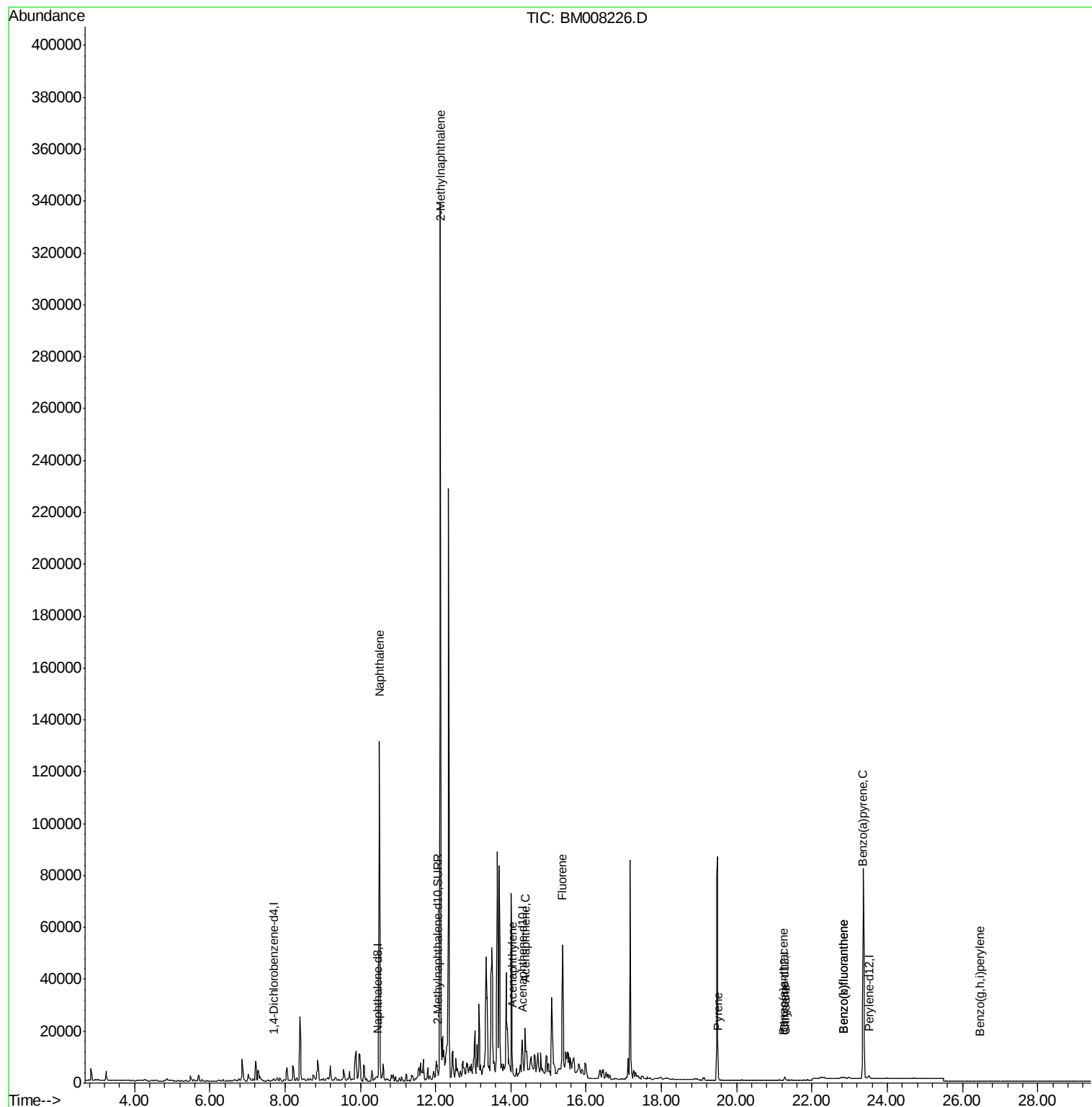
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	472	0.40	ng/ul	0.00
2) Naphthalene-d8	10.46	136	1465	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1610	0.40	ng/ul	-0.02
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.09
16) Chrysene-d12	21.27	240	1341	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	1368	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	887	0.43	ng/ul	-0.03
14) Fluoranthene-d10	19.11	212	1878	0.00	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.51	128	178957	43.68	ng/ul#	93
5) 2-Methylnaphthalene	12.13	142	248336	94.04	ng/ul	99
7) Acenaphthylene	14.04	152	4593	0.63	ng/ul#	1
8) Acenaphthene	14.38	153	14056	2.54	ng/ul	98
9) Fluorene	15.38	166	32228	5.06	ng/ul	84
17) Pyrene	19.51	202	1377	0.30	ng/ul#	71
18) Benzo(a)anthracene	21.25	228	311	0.08	ng/ul#	1
19) Chrysene	21.30	228	205	0.04	ng/ul#	1
21) Benzo(b)fluoranthene	22.84	252	263	0.05	ng/ul#	1
22) Benzo(k)fluoranthene	22.84	252	263	0.05	ng/ul#	1
23) Benzo(a)pyrene	23.36	252	761	0.15	ng/ul#	1
26) Benzo(g,h,i)perylene	26.45	276	126	0.02	ng/ul#	1

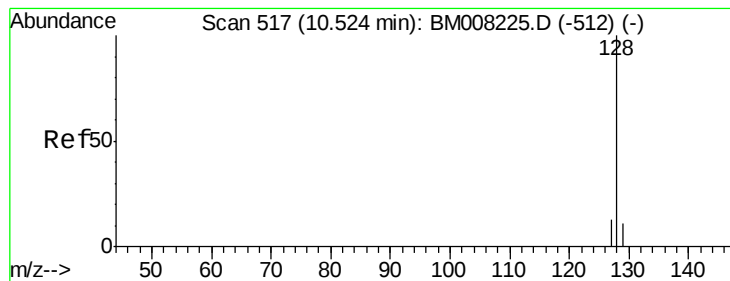
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Naphthalene

Concen: 43.68 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008226.D

Acq: 10 Dec 2016 11:27

Instrument :

BNA_M

ClientSampleId :

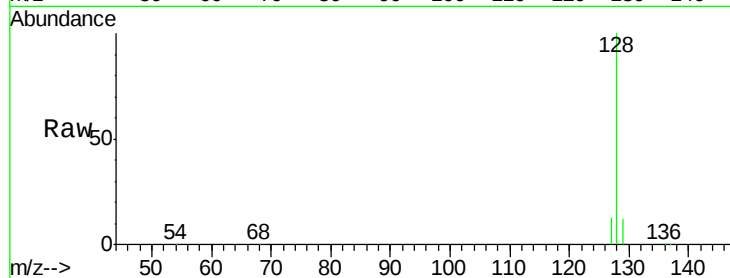
Tot Ion:128 Resp: 178957

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

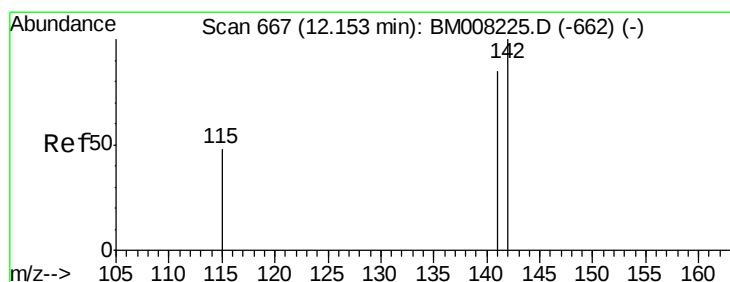
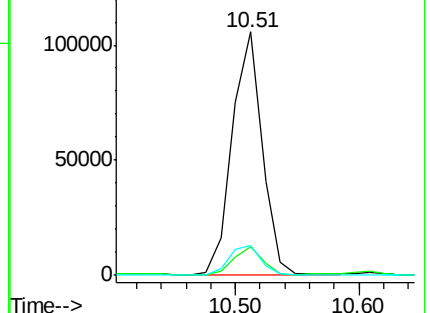
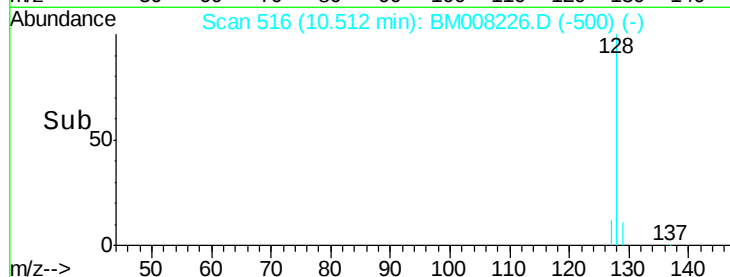
127 12.5 12.8 19.2#



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: 94.04 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.02 min

Lab File: BM008226.D

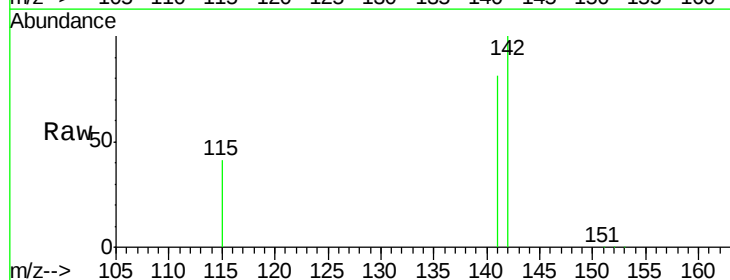
Acq: 10 Dec 2016 11:27

Tgt Ion:142 Resp: 248336

Ion Ratio Lower Upper

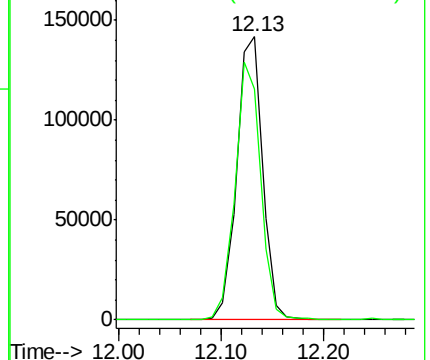
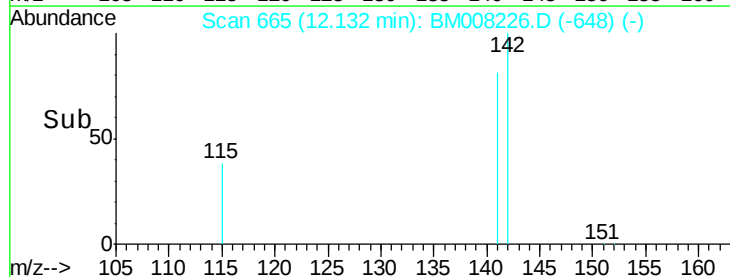
142 100

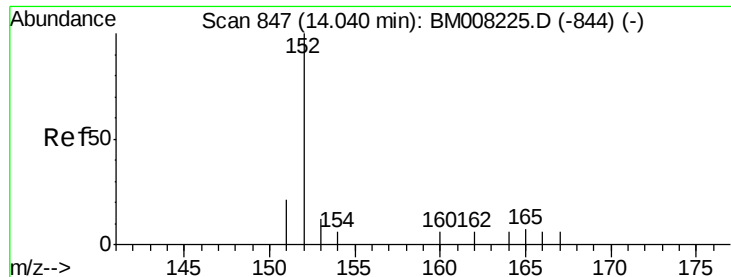
141 89.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.63 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM008226.D

Acq: 10 Dec 2016 11:27

Instrument :

BNA_M

ClientSampleId :

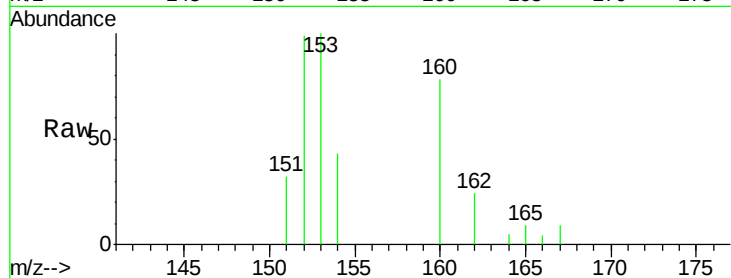
Tot Ion:152 Resp: 4593

Ion Ratio Lower Upper

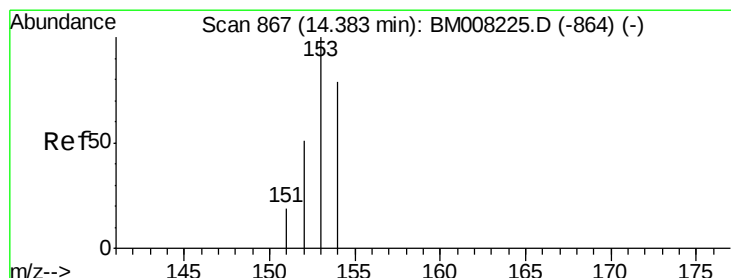
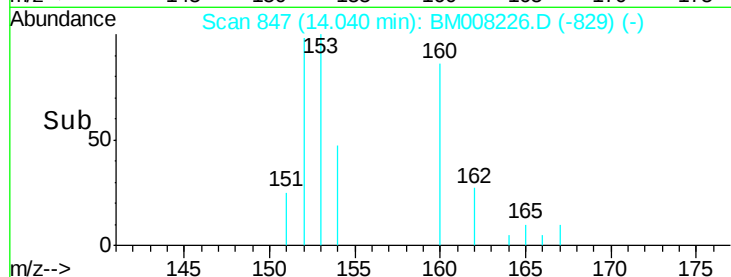
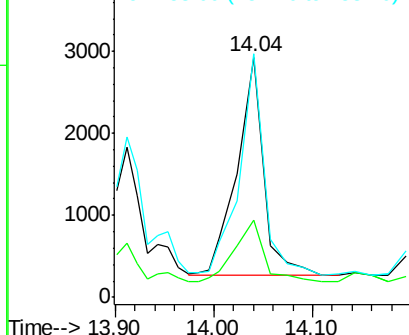
152 100

151 32.2 17.1 25.7#

153 101.5 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: 2.54 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM008226.D

Acq: 10 Dec 2016 11:27

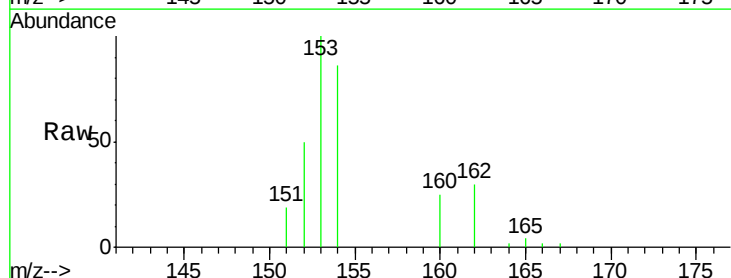
Tgt Ion:153 Resp: 14056

Ion Ratio Lower Upper

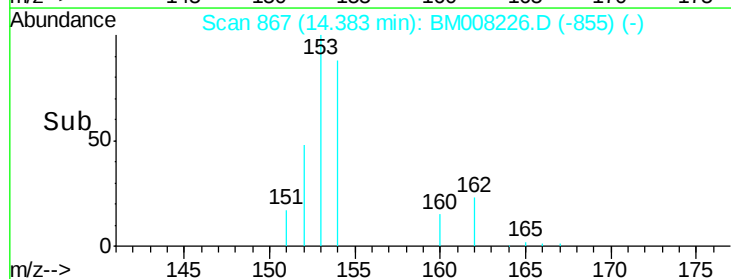
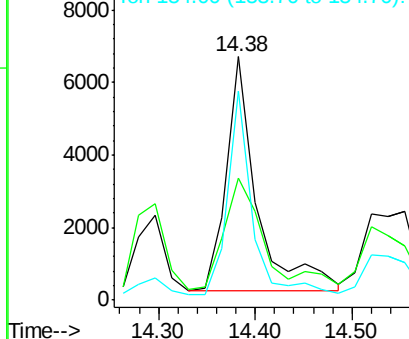
153 100

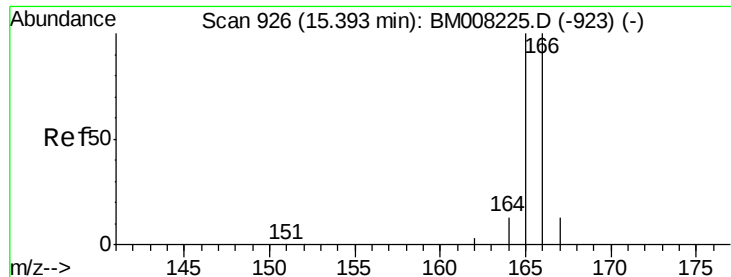
152 50.2 40.3 60.5

154 85.9 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: 5.06 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008226.D

Acq: 10 Dec 2016 11:27

Instrument :

BNA_M

ClientSampleId :

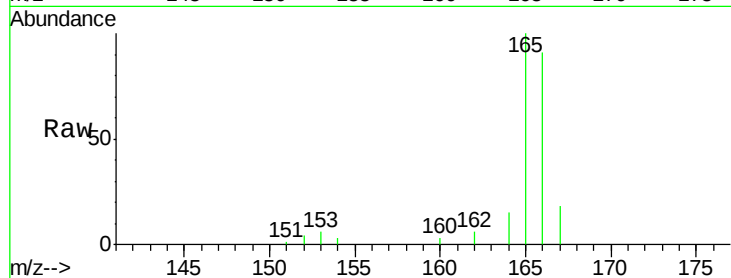
Tot Ion:166 Resp: 32228

Ion Ratio Lower Upper

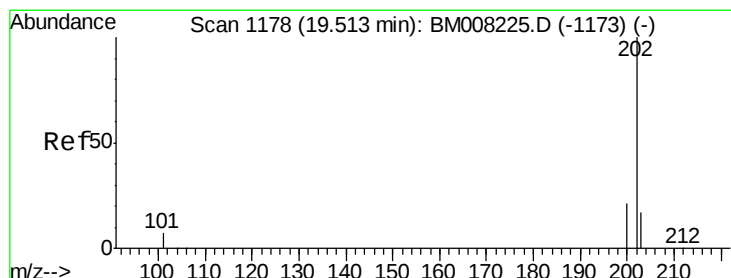
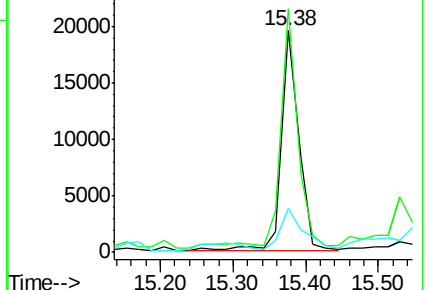
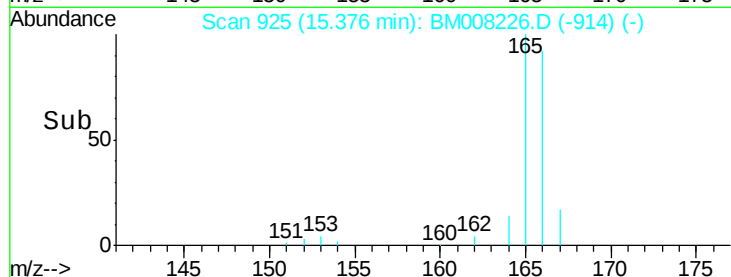
166 100

165 110.0 73.4 110.2

167 19.6 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



#17

Pyrene

Concen: 0.30 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BM008226.D

Acq: 10 Dec 2016 11:27

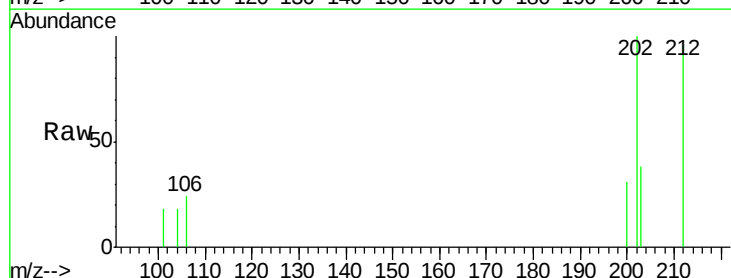
Tgt Ion:202 Resp: 1377

Ion Ratio Lower Upper

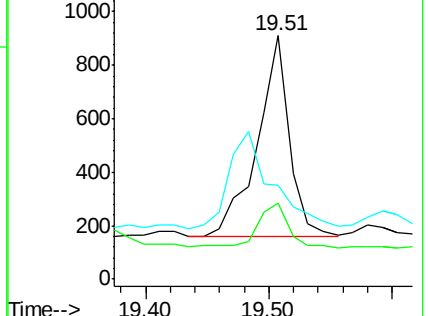
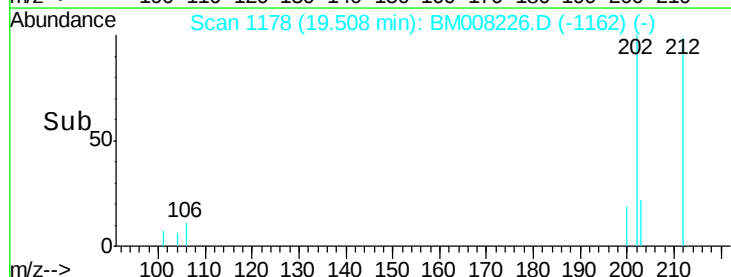
202 100

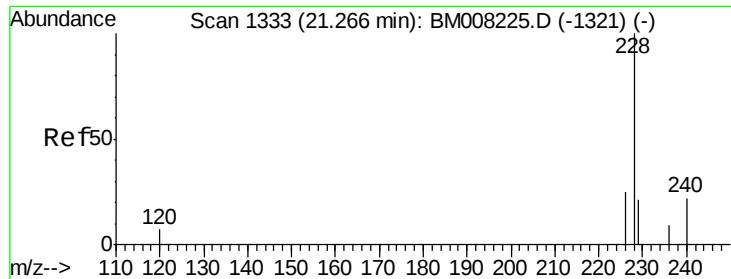
200 31.3 18.2 27.4#

203 38.4 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: 0.08 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008226.D

Acq: 10 Dec 2016 11:27

Instrument :

BNA_M

ClientSampled :

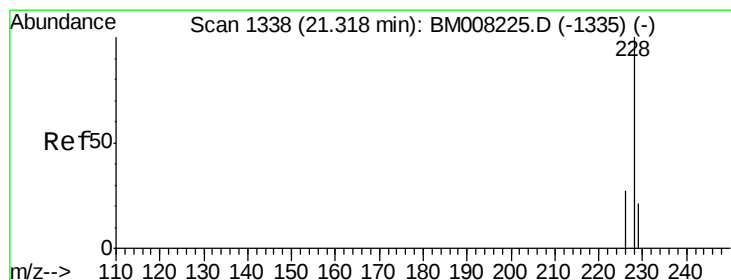
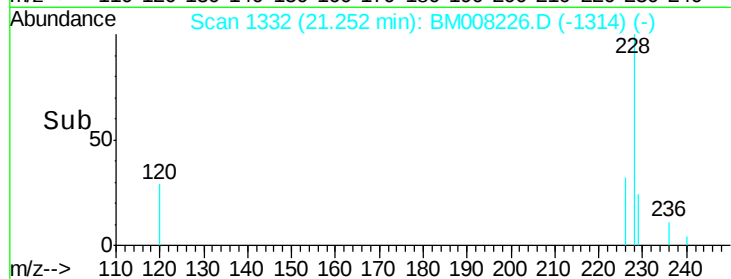
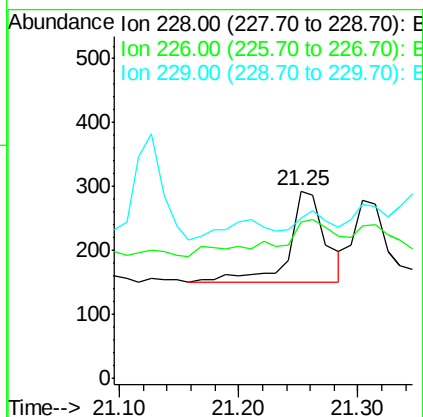
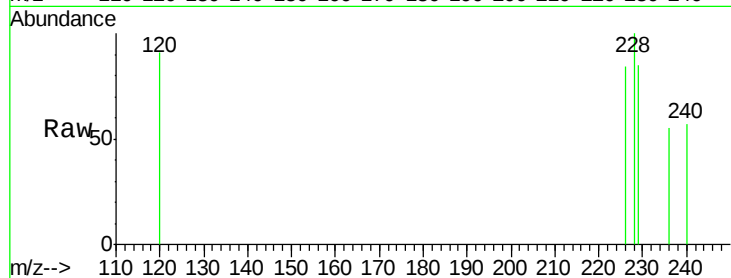
Tot Ion:228 Resp: 311

Ion Ratio Lower Upper

228 100

226 83.6 22.8 34.2#

229 85.3 17.0 25.6#



#19

Chrysene

Concen: 0.04 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008226.D

Acq: 10 Dec 2016 11:27

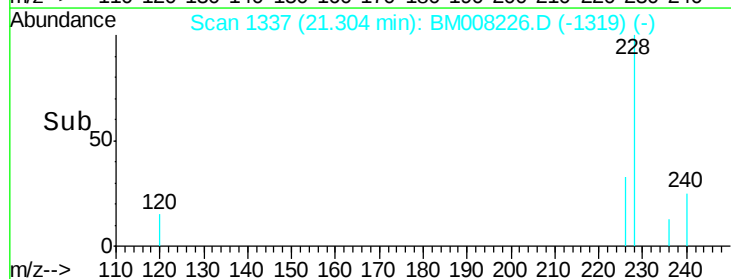
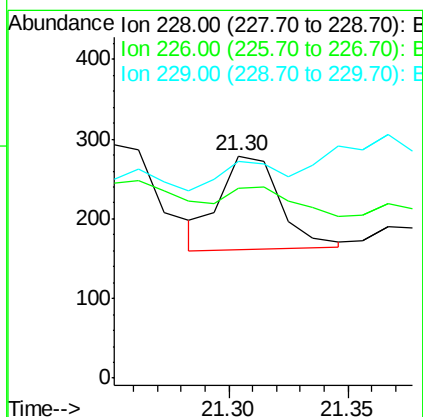
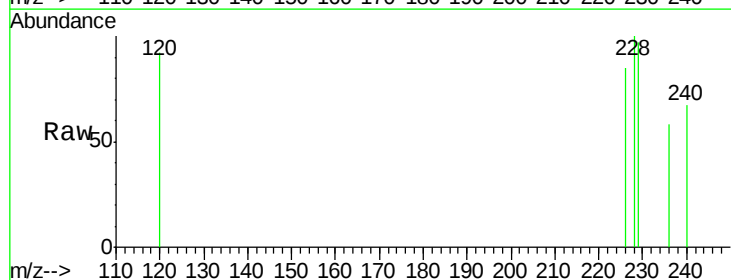
Tgt Ion:228 Resp: 205

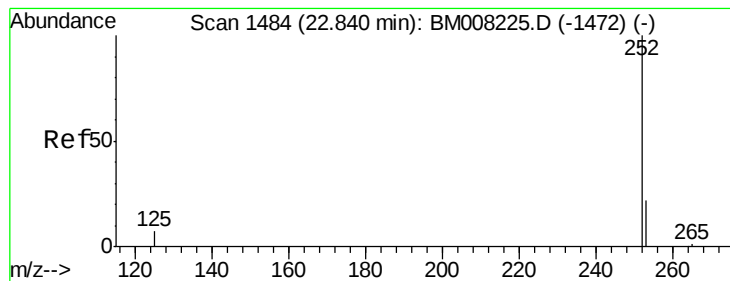
Ion Ratio Lower Upper

228 100

226 85.3 23.4 35.0#

229 97.5 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.05 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BM008226.D

Acq: 10 Dec 2016 11:27

Instrument :

BNA_M

ClientSampleId :

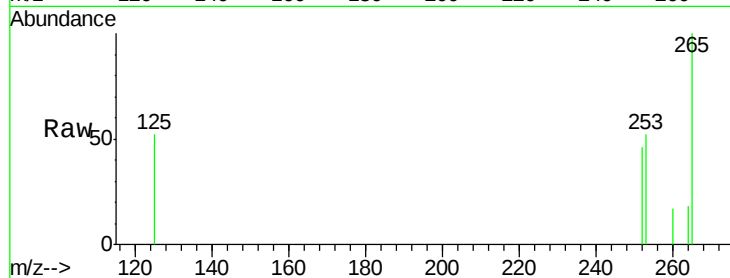
Tot Ion:252 Resp: 263

Ion Ratio Lower Upper

252 100

253 113.2 0.0 64.2#

125 112.0 0.0 35.0#



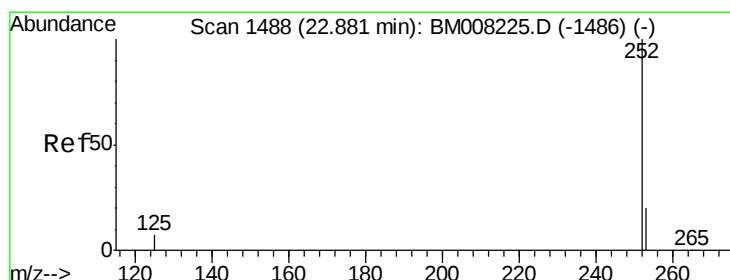
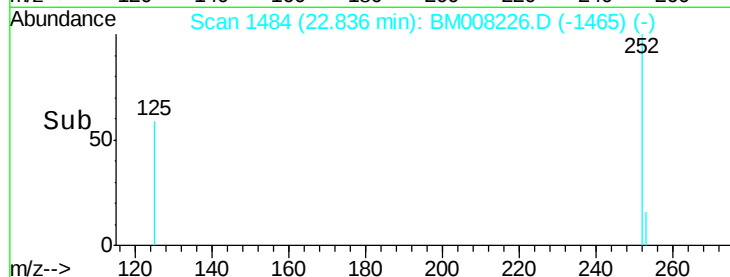
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.84

Time-->



#22

Benzo(k)fluoranthene

Concen: 0.05 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM008226.D

Acq: 10 Dec 2016 11:27

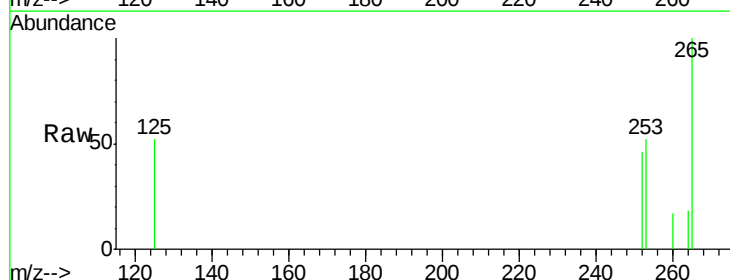
Tgt Ion:252 Resp: 263

Ion Ratio Lower Upper

252 100

253 113.2 24.5 36.7#

125 112.0 13.7 20.5#



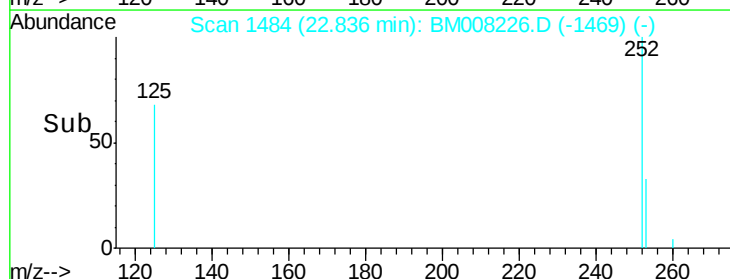
Abundance Ion 252.00 (251.70 to 252.70): E

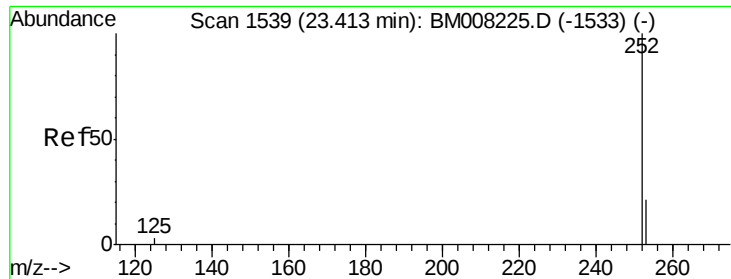
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.84

Time-->





#23

Benzo(a)pyrene

Concen: 0.15 ng/ul

RT: 23.36 min Scan# 1534

Delta R.T. -0.06 min

Lab File: BM008226.D

Acq: 10 Dec 2016 11:27

Instrument :

BNA_M

ClientSampleId :

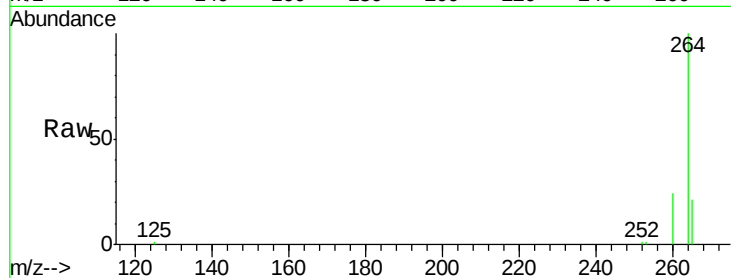
Tot Ion:252 Resp: 761

Ion Ratio Lower Upper

252 100

253 87.8 28.5 42.7#

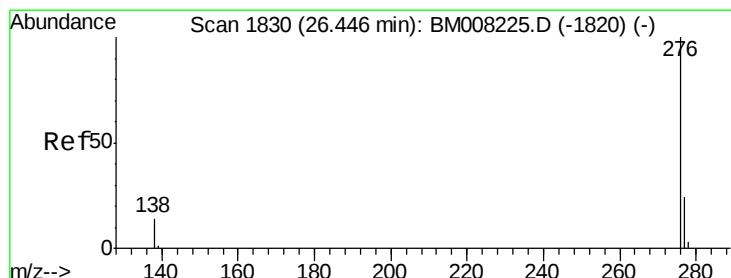
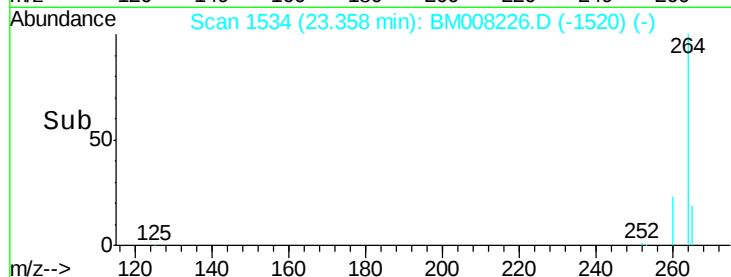
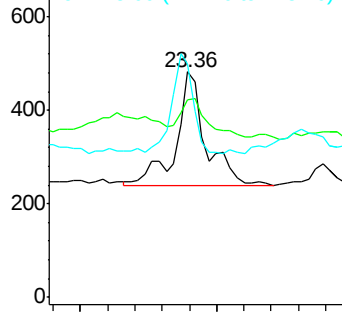
125 103.7 18.1 27.1#



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



#26

Benzo(g,h,i)perylene

Concen: 0.02 ng/ul

RT: 26.45 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BM008226.D

Acq: 10 Dec 2016 11:27

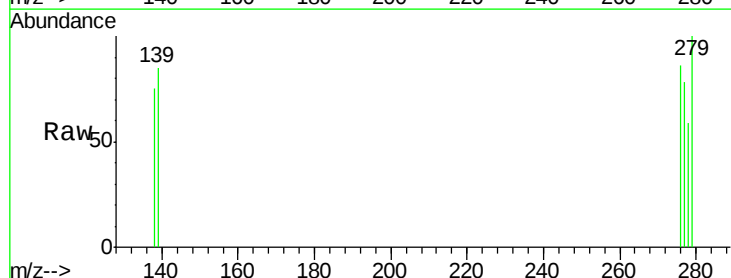
Tgt Ion:276 Resp: 126

Ion Ratio Lower Upper

276 100

277 90.6 21.8 32.8#

138 87.2 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

