

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
 Data File : BM008213.D
 Acq On : 09 Dec 2016 19:52
 Operator : UM/SJ
 Sample : H5863-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y7

Quant Time: Dec 10 00:45:17 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	540	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	1715	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.33	164	978	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1733	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	1755	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1684	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.07	152	576	0.24	ng/ul	-0.03
14) Fluoranthene-d10	19.12	212	1556	0.32	ng/ul	0.00

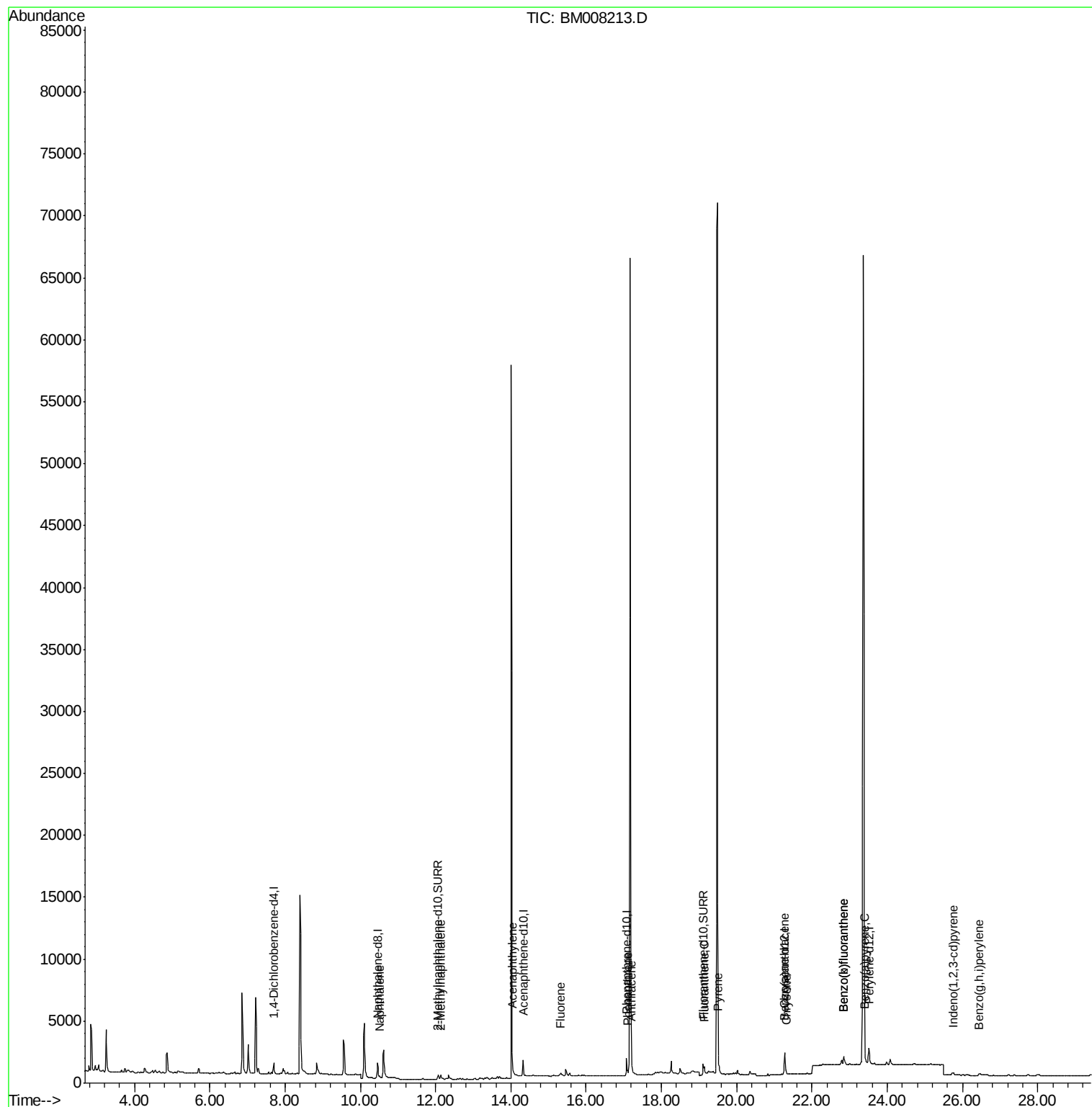
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	245	0.05	ng/ul#	48
5) 2-Methylnaphthalene	12.14	142	332	0.11	ng/ul	97
7) Acenaphthylene	14.04	152	136	0.03	ng/ul#	12
9) Fluorene	15.32	166	209	0.05	ng/ul#	40
12) Phenanthrene	17.11	178	514	0.10	ng/ul#	71
13) Anthracene	17.21	178	168	0.03	ng/ul#	13
15) Fluoranthene	19.14	202	2787	0.40	ng/ul	67
17) Pyrene	19.51	202	804	0.13	ng/ul#	76
18) Benzo(a)anthracene	21.26	228	360	0.07	ng/ul#	41
19) Chrysene	21.31	228	350	0.05	ng/ul#	43
21) Benzo(b)fluoranthene	22.84	252	796	0.12	ng/ul#	1
22) Benzo(k)fluoranthene	22.84	252	796	0.11	ng/ul#	1
23) Benzo(a)pyrene	23.41	252	283	0.04	ng/ul#	11
24) Indeno(1,2,3-cd)pyrene	25.75	276	285	0.04	ng/ul#	73
26) Benzo(g,h,i)perylene	26.44	276	300	0.04	ng/ul#	22

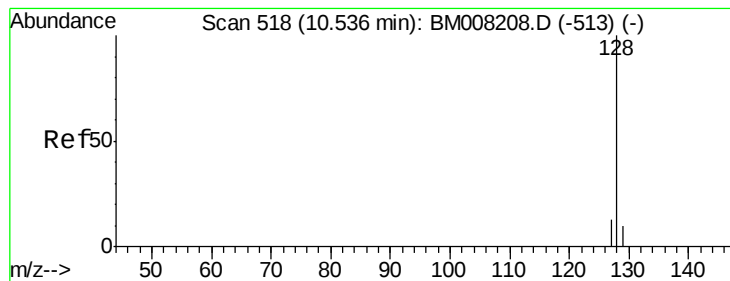
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
Data File : BM008213.D
Acq On : 09 Dec 2016 19:52
Operator : UM/SJ
Sample : H5863-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y7

Quant Time: Dec 10 00:45:17 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





#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.02 min

Lab File: BM008213.D

Acq: 09 Dec 2016 19:52

Instrument :

BNA_M

ClientSampleId :

DA7Y7

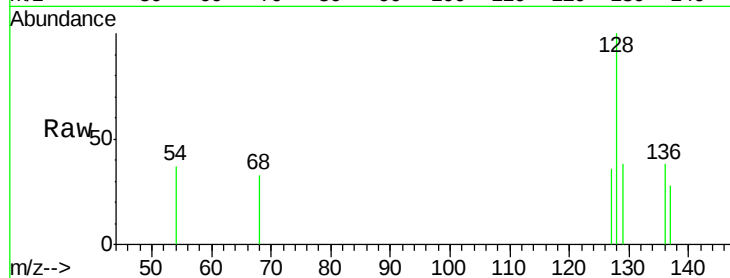
Tgt Ion:128 Resp: 245

Ion Ratio Lower Upper

128 100

129 37.6 11.3 16.9#

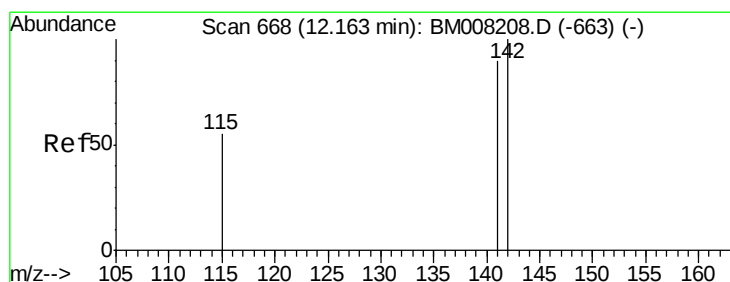
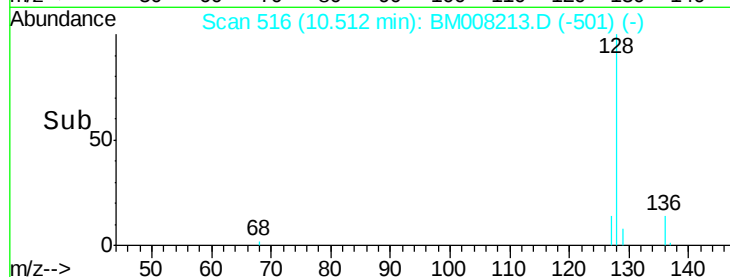
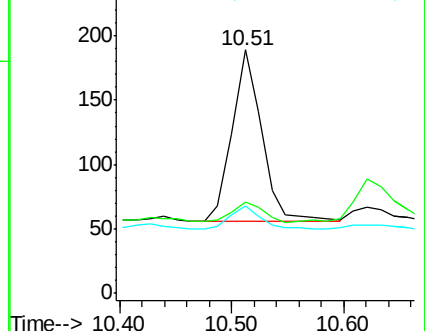
127 36.0 12.8 19.2#



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: 0.11 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. -0.02 min

Lab File: BM008213.D

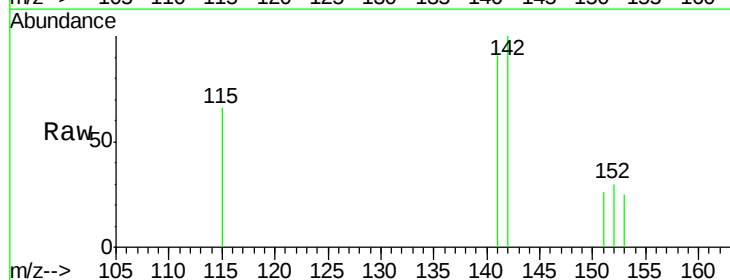
Acq: 09 Dec 2016 19:52

Tgt Ion:142 Resp: 332

Ion Ratio Lower Upper

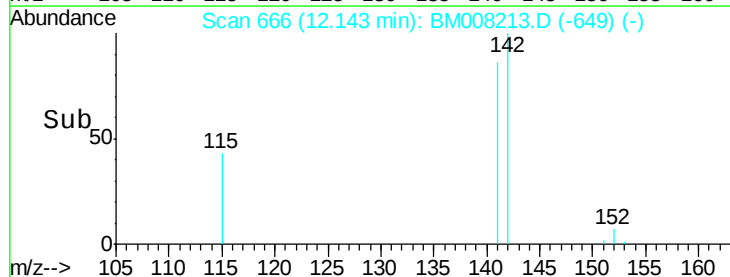
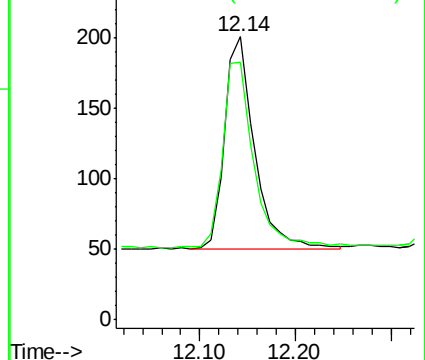
142 100

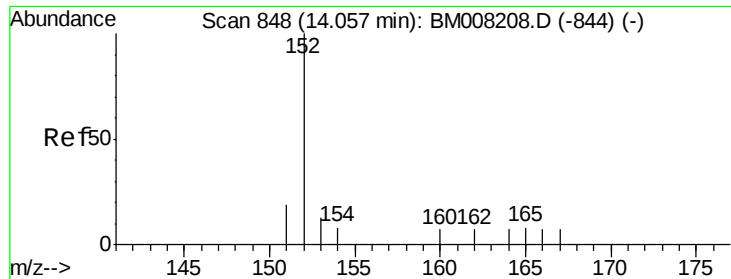
141 93.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008213.D

Acq: 09 Dec 2016 19:52

Instrument :

BNA_M

ClientSampleId :

DA7Y7

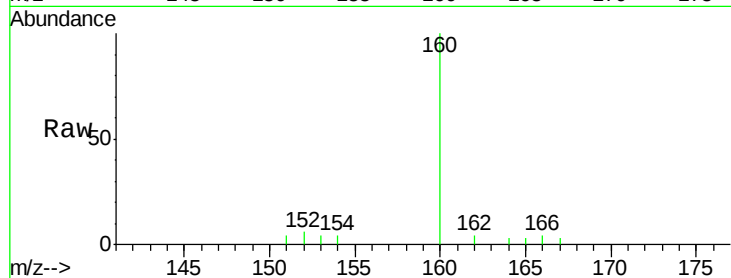
Tgt Ion:152 Resp: 136

Ion Ratio Lower Upper

152 100

151 58.8 17.1 25.7#

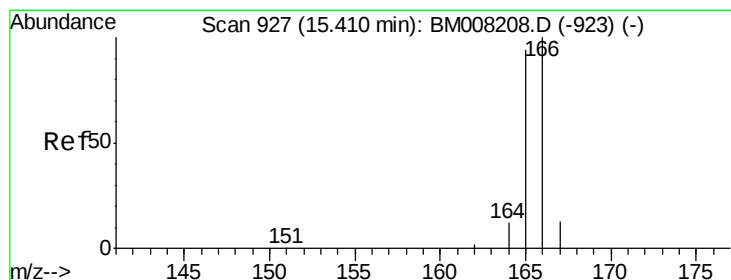
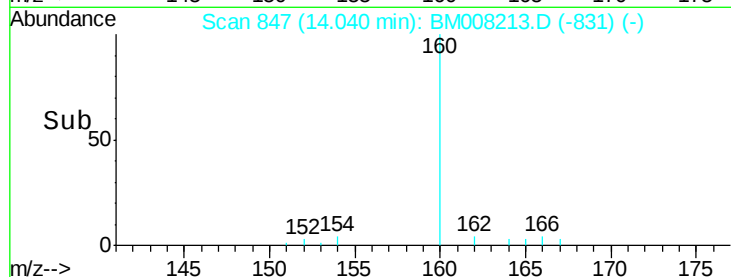
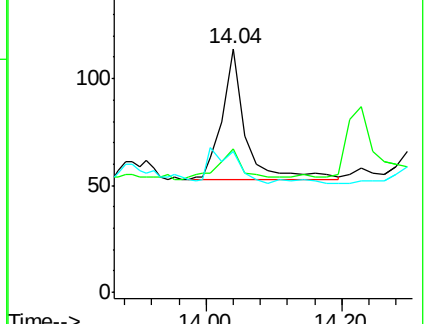
153 57.9 12.8 19.2#



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



#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.32 min Scan# 922

Delta R.T. -0.09 min

Lab File: BM008213.D

Acq: 09 Dec 2016 19:52

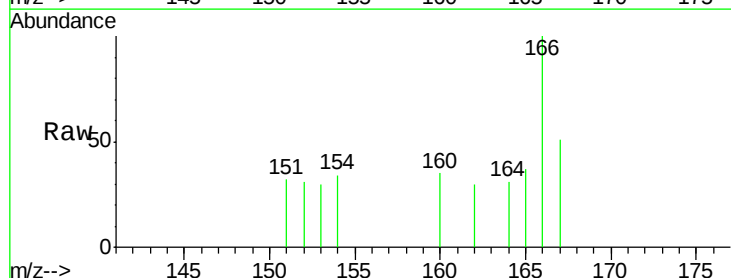
Tgt Ion:166 Resp: 209

Ion Ratio Lower Upper

166 100

165 37.4 73.4 110.2#

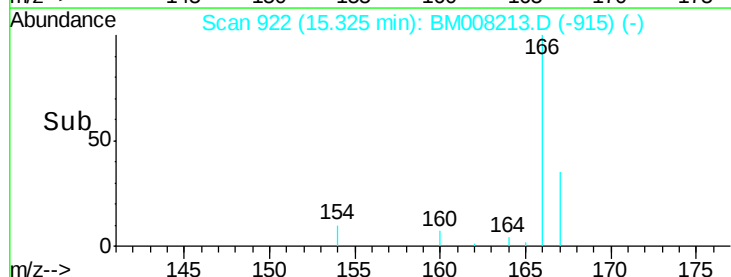
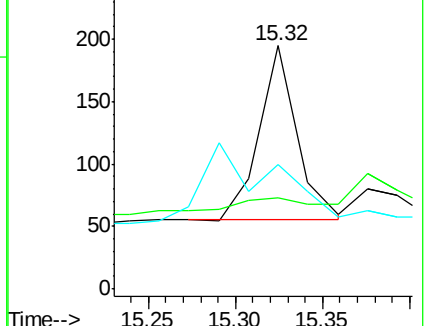
167 51.3 14.6 22.0#

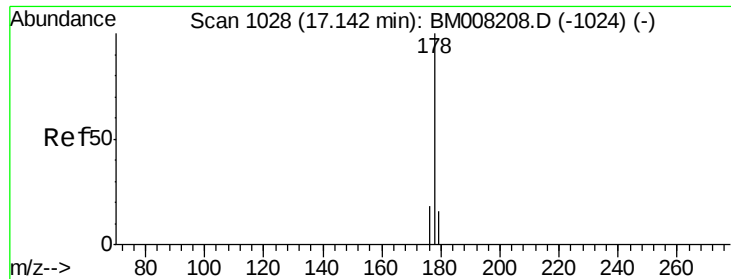


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BM008213.D

Acq: 09 Dec 2016 19:52

Instrument :

BNA_M

ClientSampleId :

DA7Y7

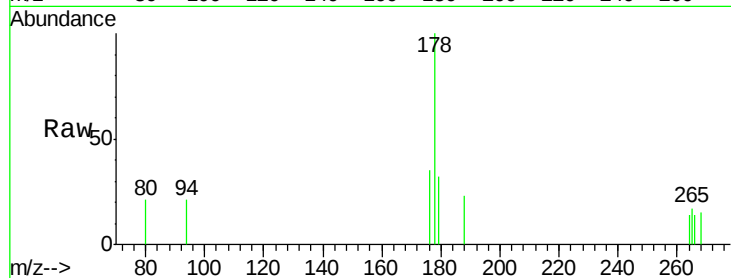
Tgt Ion:178 Resp: 514

Ion Ratio Lower Upper

178 100

176 34.8 18.4 27.6#

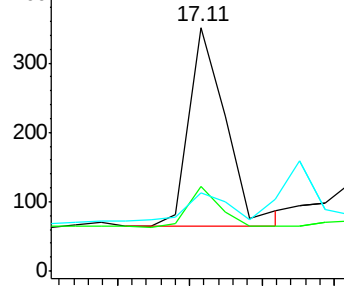
179 32.2 13.6 20.4#



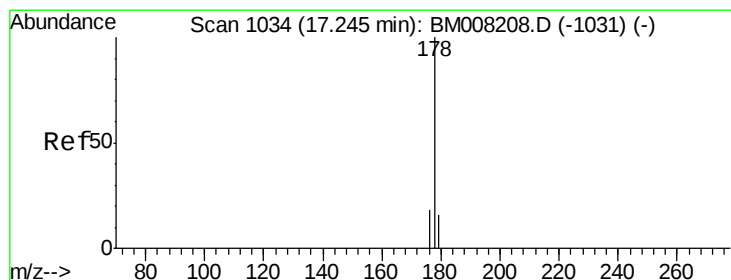
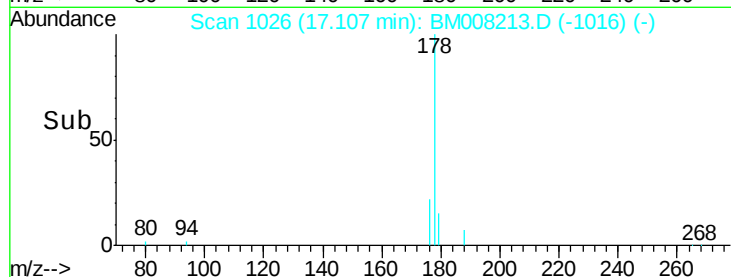
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#13

Anthracene

Concen: 0.03 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BM008213.D

Acq: 09 Dec 2016 19:52

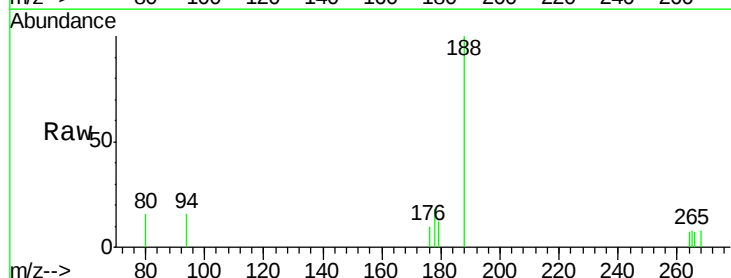
Tgt Ion:178 Resp: 168

Ion Ratio Lower Upper

178 100

176 57.1 18.1 27.1#

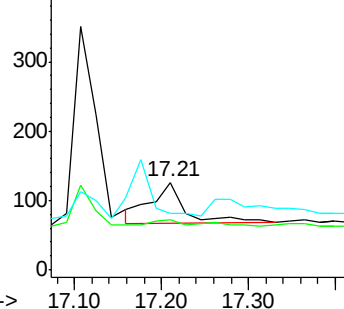
179 65.1 14.7 22.1#



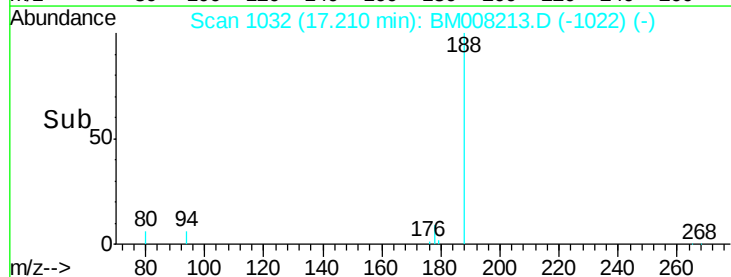
Abundance Ion 178.00 (177.70 to 178.70): E

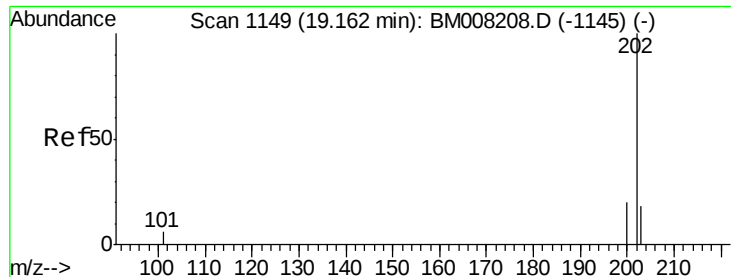
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

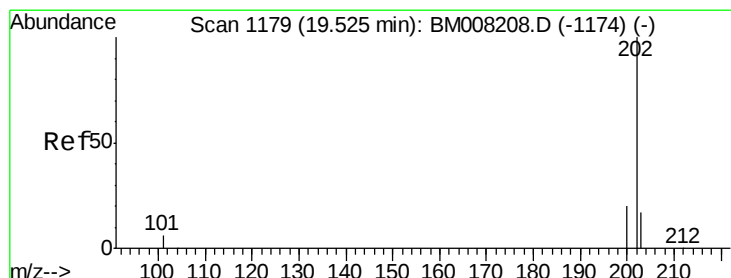
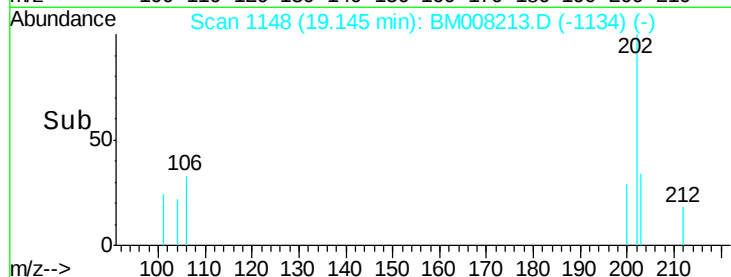
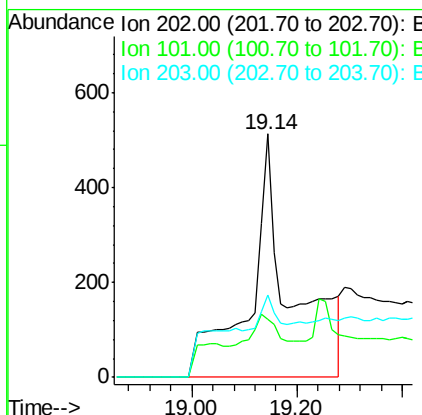
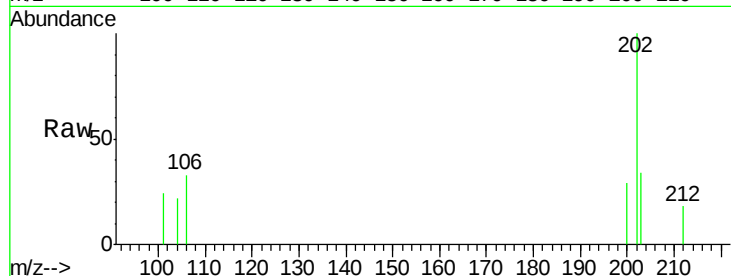




#15
Fluoranthene
 Concen: 0.40 ng/ul
 RT: 19.14 min Scan# 1148
 Delta R.T. -0.02 min
 Lab File: BM008213.D
 Acq: 09 Dec 2016 19:52

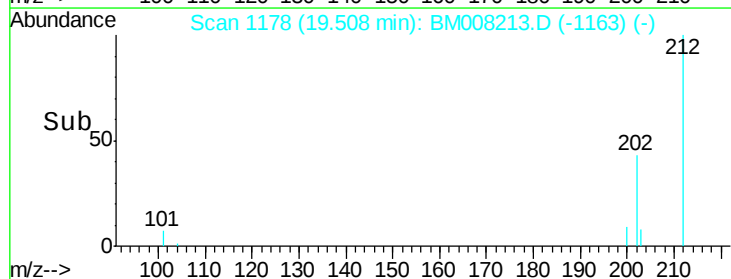
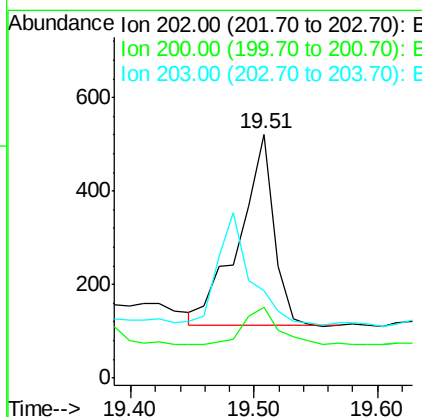
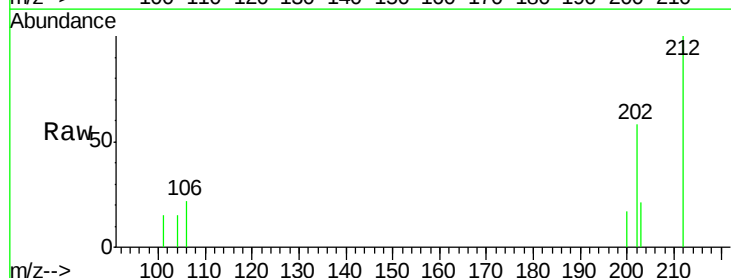
Instrument :
 BNA_M
 ClientSampleId :
 DA7Y7

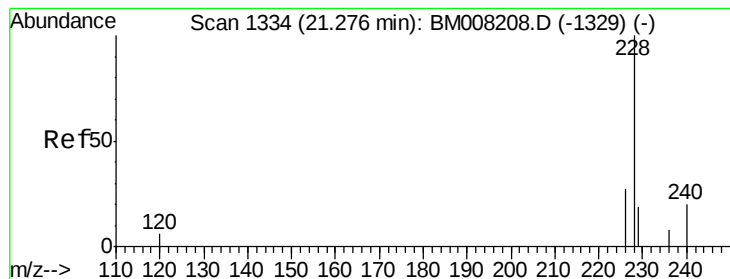
Tgt Ion: 202 Resp: 2787
 Ion Ratio Lower Upper
 202 100
 101 24.0 0.0 30.3
 203 33.7 0.0 39.5



#17
Pyrene
 Concen: 0.13 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BM008213.D
 Acq: 09 Dec 2016 19:52

Tgt Ion: 202 Resp: 804
 Ion Ratio Lower Upper
 202 100
 200 29.2 18.2 27.4#
 203 35.9 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BM008213.D

Acq: 09 Dec 2016 19:52

Instrument :

BNA_M

ClientSampleId :

DA7Y7

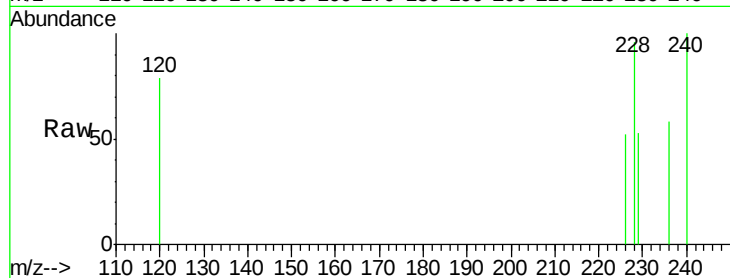
Tgt Ion:228 Resp: 360

Ion Ratio Lower Upper

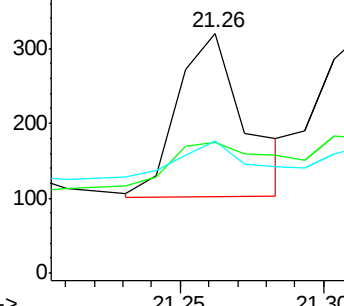
228 100

226 54.4 22.8 34.2#

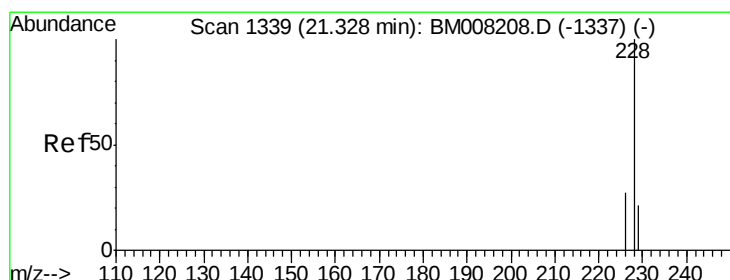
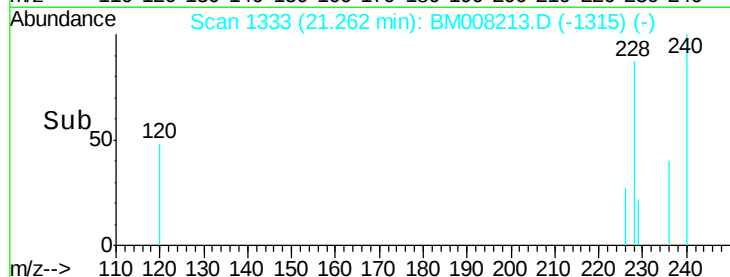
229 55.0 17.0 25.6#



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



Time-->



#19

Chrysene

Concen: 0.05 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BM008213.D

Acq: 09 Dec 2016 19:52

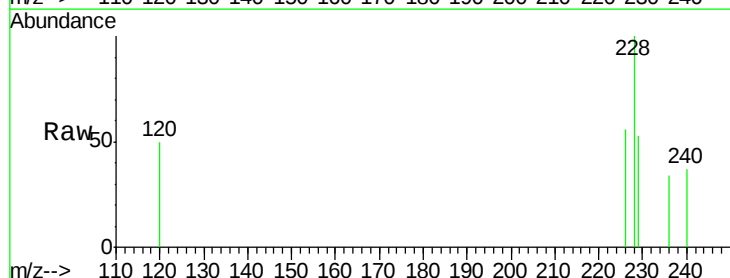
Tgt Ion:228 Resp: 350

Ion Ratio Lower Upper

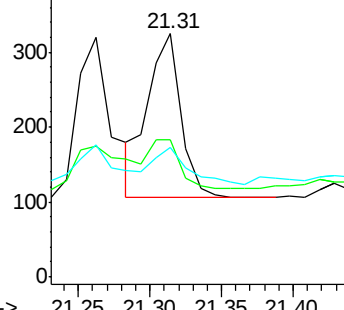
228 100

226 56.3 23.4 35.0#

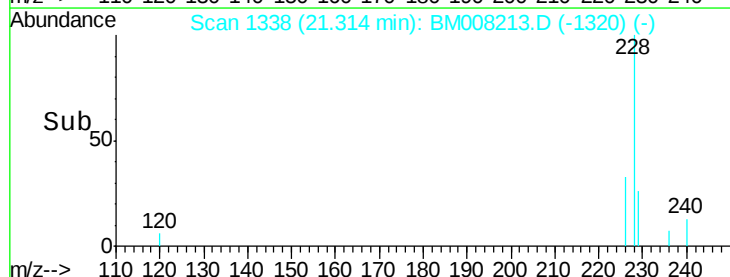
229 53.2 17.7 26.5#

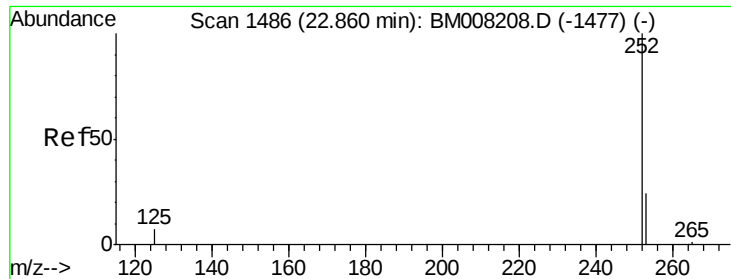


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#21

Benzo(b)fluoranthene

Concen: 0.12 ng/u1

RT: 22.84 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BM008213.D

Acq: 09 Dec 2016 19:52

Instrument :

BNA_M

ClientSampleId :

DA7Y7

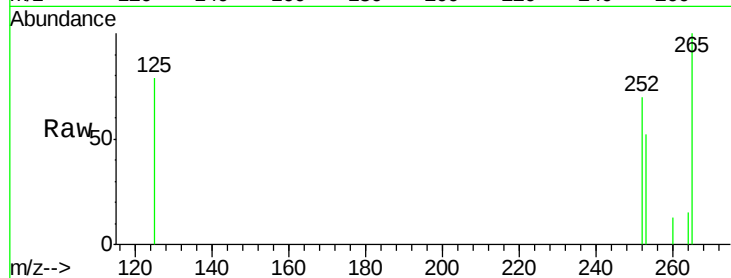
Tgt Ion:252 Resp: 796

Ion Ratio Lower Upper

252 100

253 74.2 0.0 64.2#

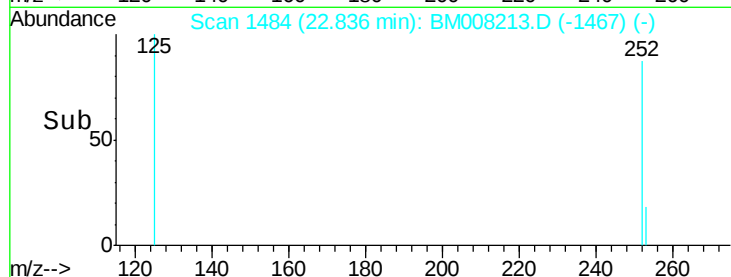
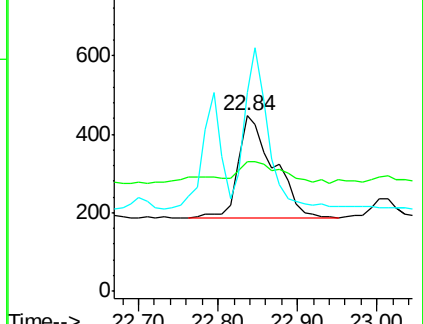
125 113.5 0.0 35.0#



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: 0.11 ng/u1

RT: 22.84 min Scan# 1484

Delta R.T. -0.07 min

Lab File: BM008213.D

Acq: 09 Dec 2016 19:52

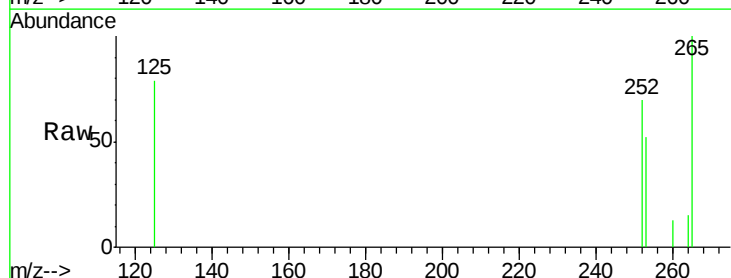
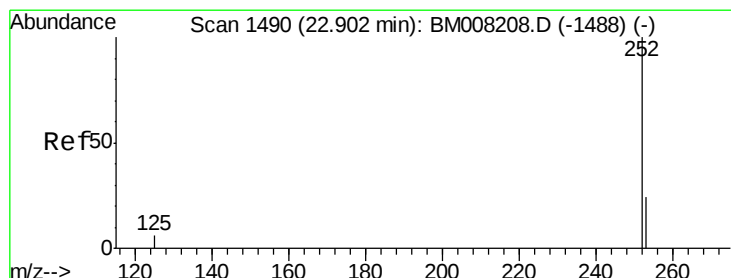
Tgt Ion:252 Resp: 796

Ion Ratio Lower Upper

252 100

253 74.2 24.5 36.7#

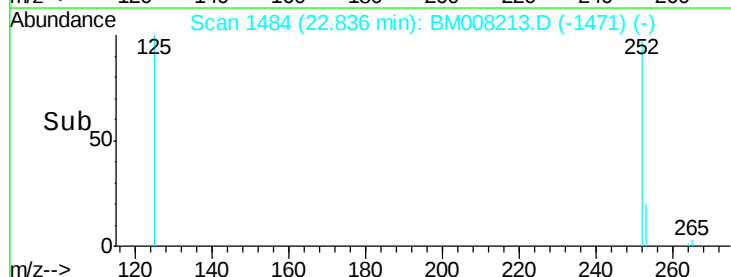
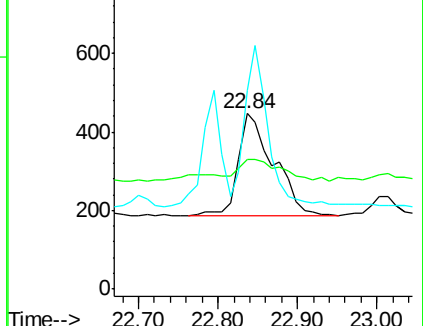
125 113.5 13.7 20.5#

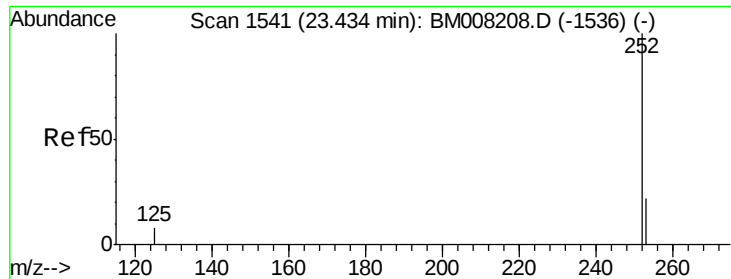


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.04 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.02 min

Lab File: BM008213.D

Acq: 09 Dec 2016 19:52

Instrument :

BNA_M

ClientSampleId :

DA7Y7

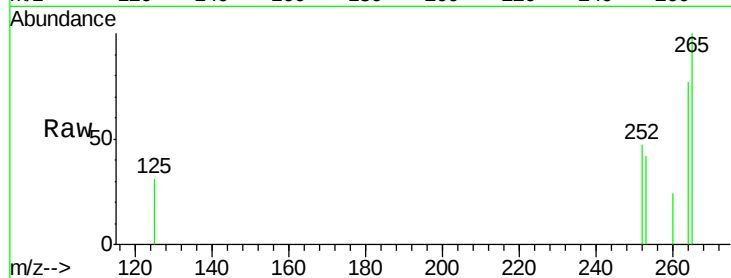
Tgt Ion: 252 Resp: 283

Ion Ratio Lower Upper

252 100

253 88.6 28.5 42.7#

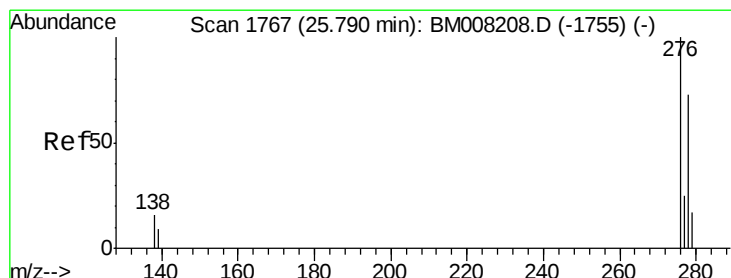
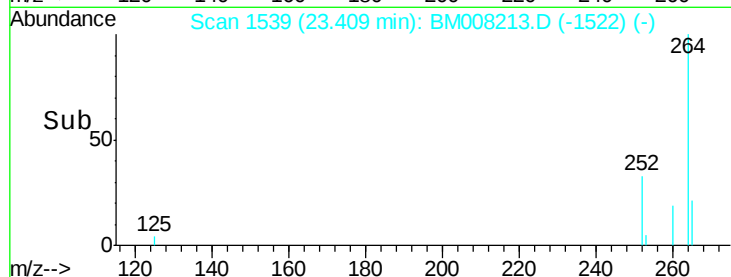
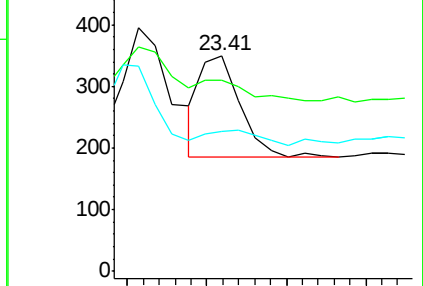
125 64.9 18.1 27.1#



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: 0.04 ng/ul

RT: 25.75 min Scan# 1764

Delta R.T. -0.03 min

Lab File: BM008213.D

Acq: 09 Dec 2016 19:52

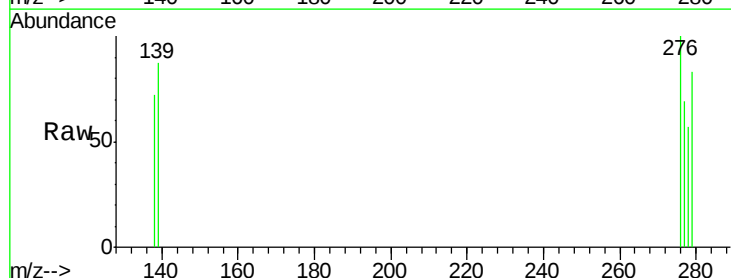
Tgt Ion: 276 Resp: 285

Ion Ratio Lower Upper

276 100

138 0.0 19.1 28.7#

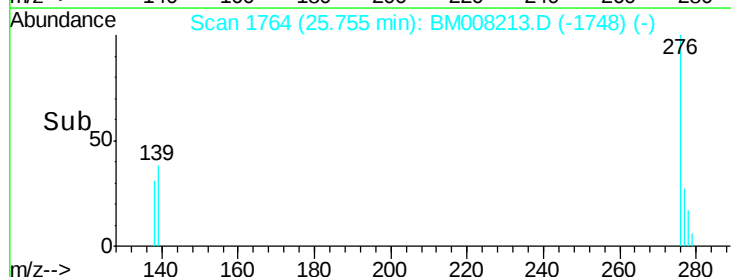
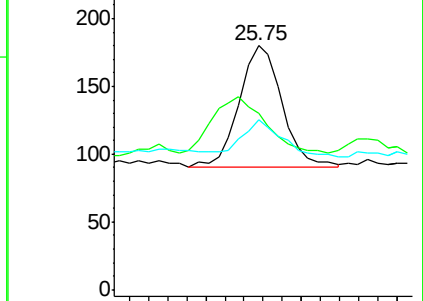
277 27.4 19.6 29.4

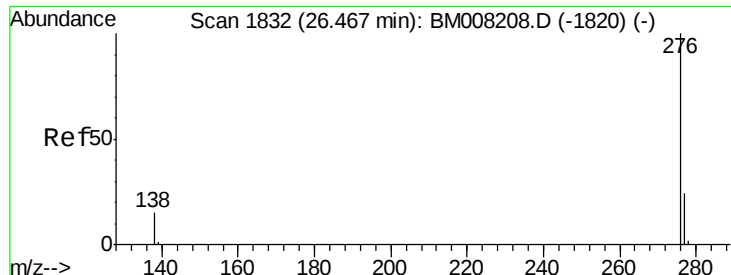


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.04 ng/ul

RT: 26.44 min Scan# 1830

Delta R.T. -0.02 min

Lab File: BM008213.D

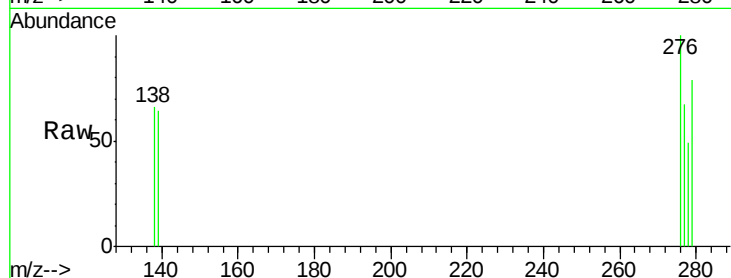
Acq: 09 Dec 2016 19:52

Instrument :

BNA_M

ClientSampleId :

DA7Y7



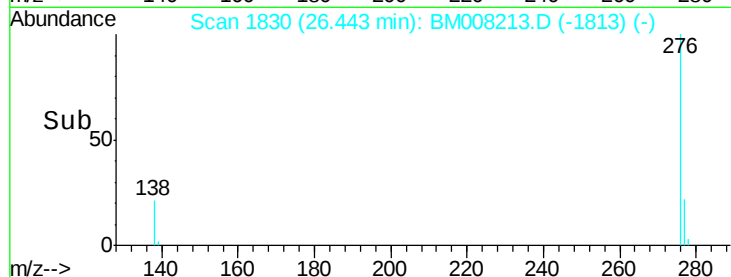
Tgt Ion: 276 Resp: 300

Ion Ratio Lower Upper

276 100

277 67.2 21.8 32.8#

138 65.5 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

