

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
 Data File : BM008214.D
 Acq On : 09 Dec 2016 20:28
 Operator : UM/SJ
 Sample : H5863-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y8

Quant Time: Dec 10 00:45:27 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

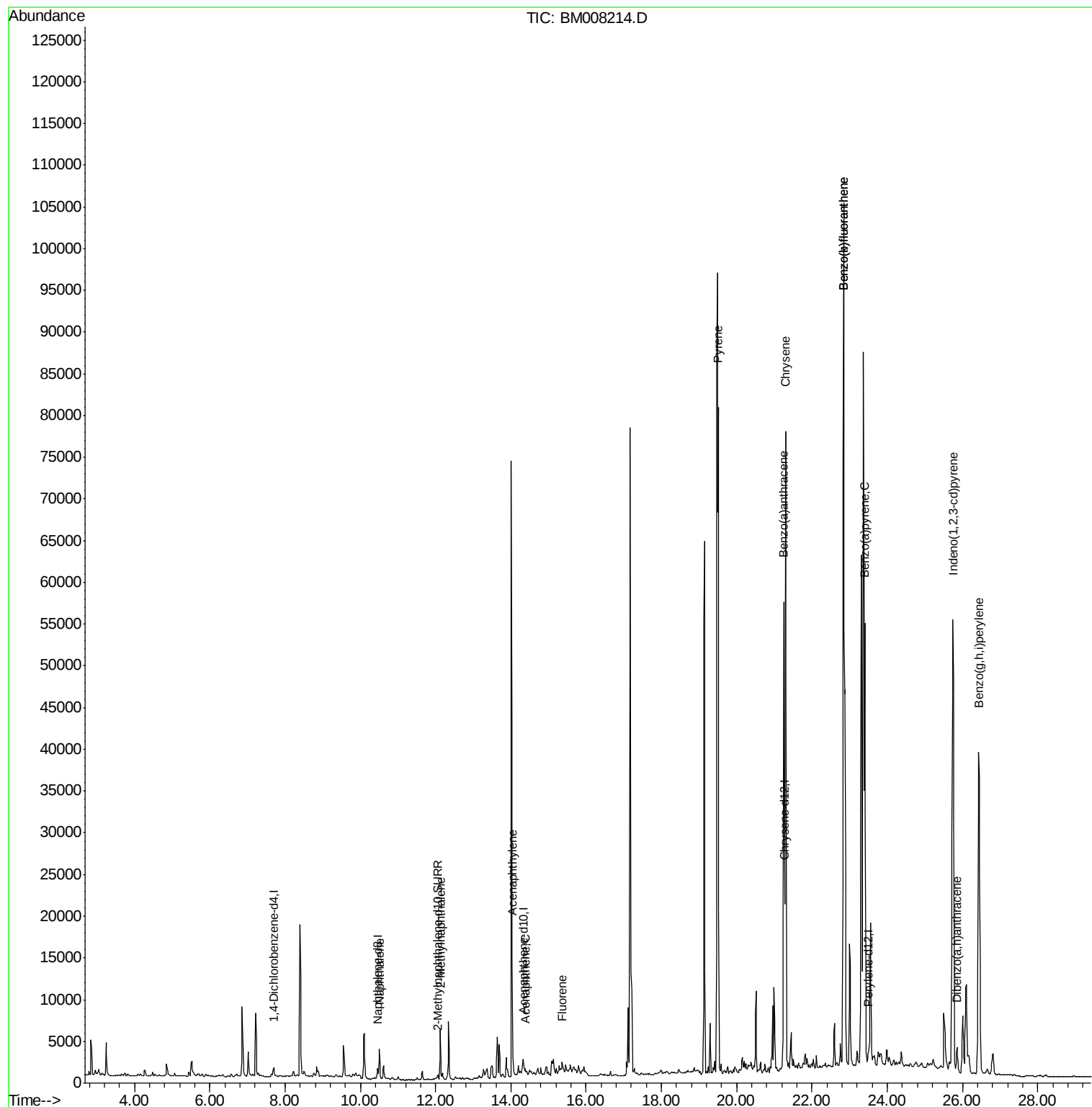
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	578	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	1785	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.33	164	1137	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.09
16) Chrysene-d12	21.27	240	2431	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	2099	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	727	0.29	ng/ul	-0.04
14) Fluoranthene-d10	19.11	212	2078	0.00	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.51	128	5019	1.01	ng/ul	98
5) 2-Methylnaphthalene	12.13	142	4676	1.45	ng/ul	98
7) Acenaphthylene	14.04	152	15739	3.06	ng/ul	96
8) Acenaphthene	14.38	153	774	0.20	ng/ul#	91
9) Fluorene	15.38	166	789	0.18	ng/ul#	55
17) Pyrene	19.51	202	78742	9.33	ng/ul	96
18) Benzo(a)anthracene	21.25	228	52288	7.01	ng/ul	96
19) Chrysene	21.30	228	82419	8.88	ng/ul	95
21) Benzo(b)fluoranthene	22.84	252	216456	25.84	ng/ul	81
22) Benzo(k)fluoranthene	22.84	252	216456	25.05	ng/ul#	83
23) Benzo(a)pyrene	23.41	252	76663	9.77	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.74	276	89122	9.19	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.85	278	4843	0.62	ng/ul	96
26) Benzo(g,h,i)perylene	26.43	276	82139	9.54	ng/ul#	87

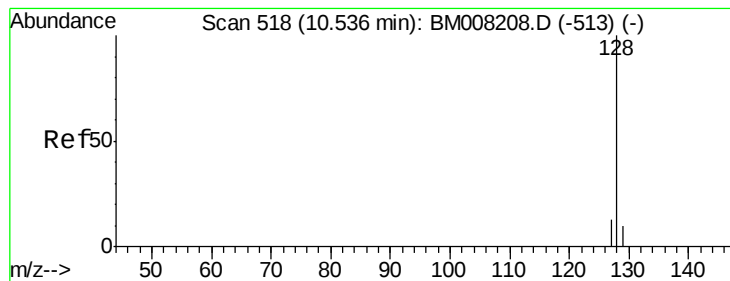
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.01 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.02 min

Lab File: BM008214.D

Acq: 09 Dec 2016 20:28

Instrument :

BNA_M

ClientSampleId :

DA7Y8

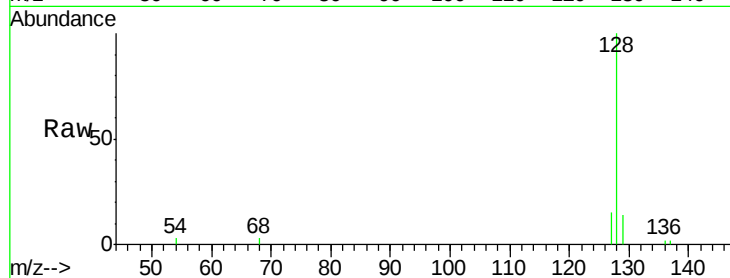
Tgt Ion:128 Resp: 5019

Ion Ratio Lower Upper

128 100

129 13.8 11.3 16.9

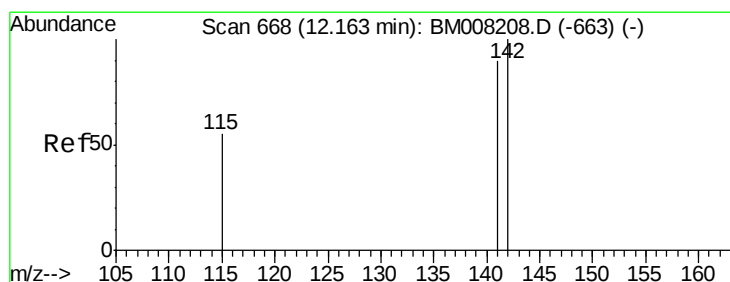
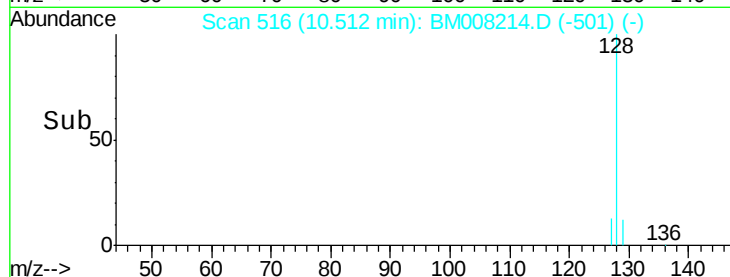
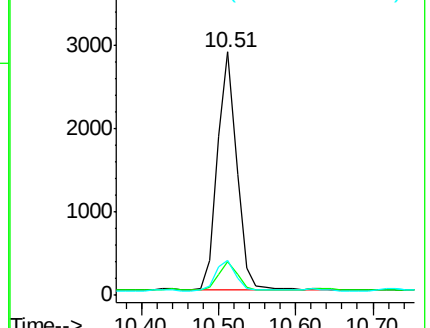
127 14.6 12.8 19.2



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: 1.45 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.03 min

Lab File: BM008214.D

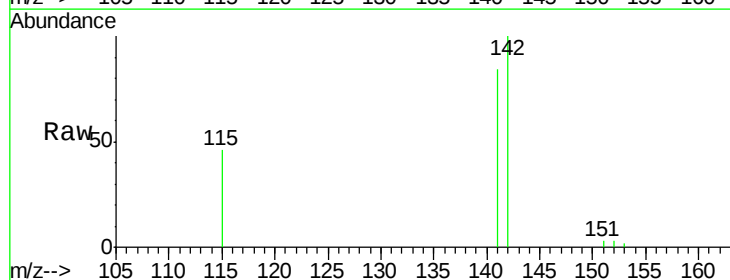
Acq: 09 Dec 2016 20:28

Tgt Ion:142 Resp: 4676

Ion Ratio Lower Upper

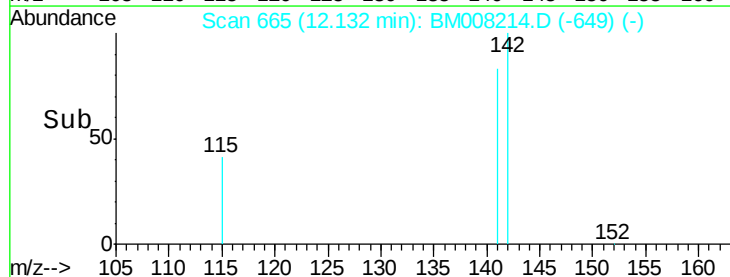
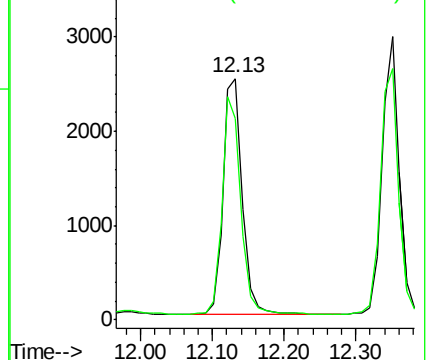
142 100

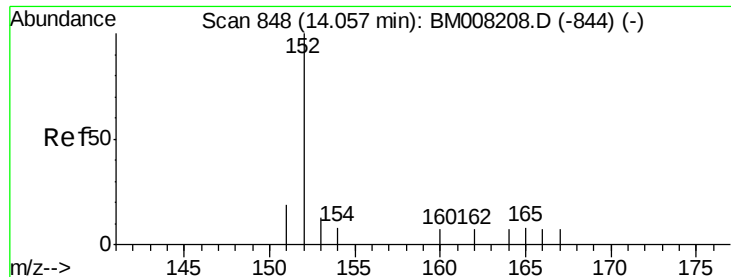
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.06 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008214.D

Acq: 09 Dec 2016 20:28

Instrument :

BNA_M

ClientSampleId :

DA7Y8

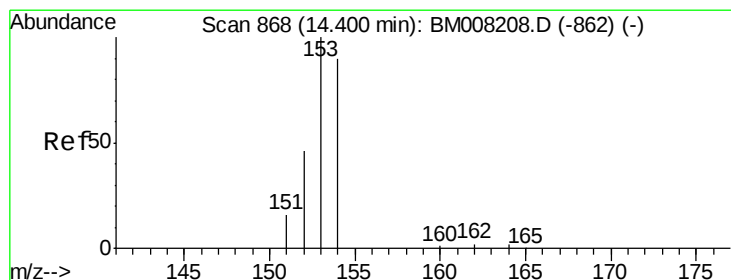
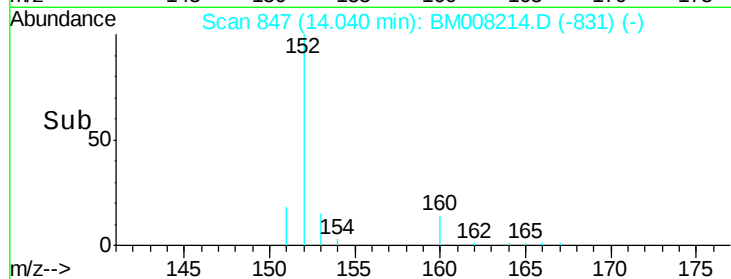
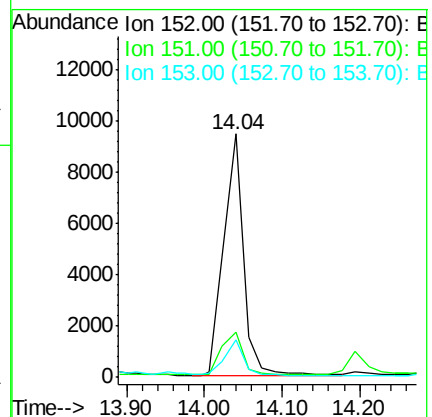
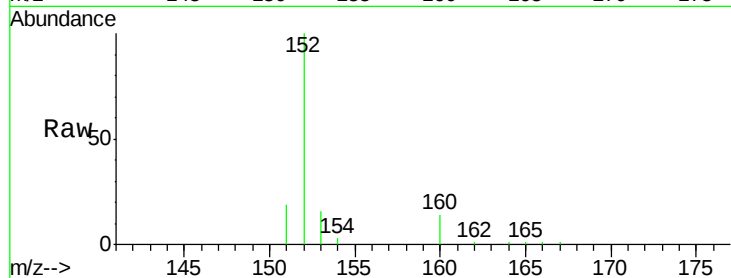
Tgt Ion:152 Resp: 15739

Ion Ratio Lower Upper

152 100

151 18.8 17.1 25.7

153 15.5 12.8 19.2



#8

Acenaphthene

Concen: 0.20 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.02 min

Lab File: BM008214.D

Acq: 09 Dec 2016 20:28

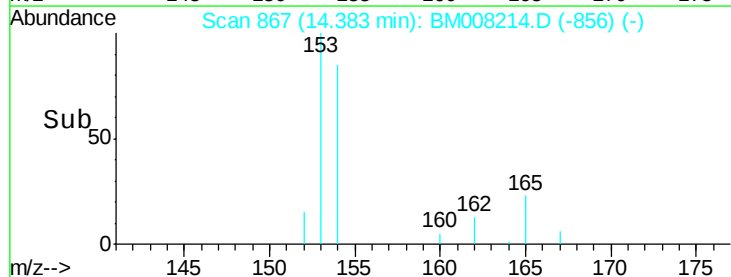
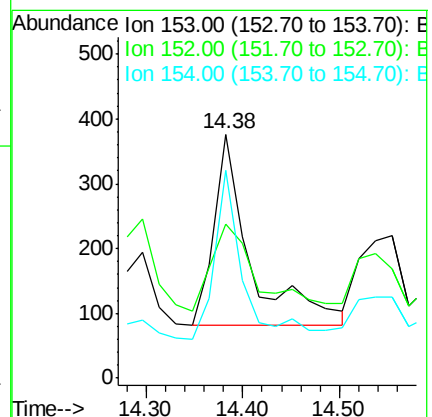
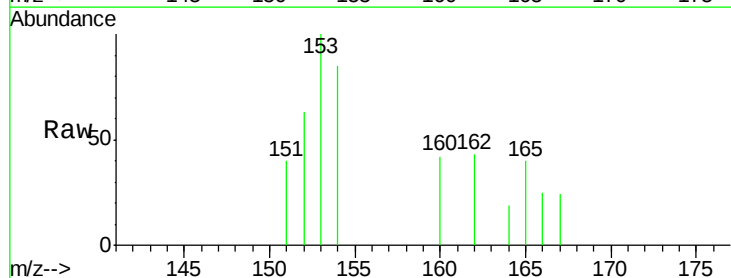
Tgt Ion:153 Resp: 774

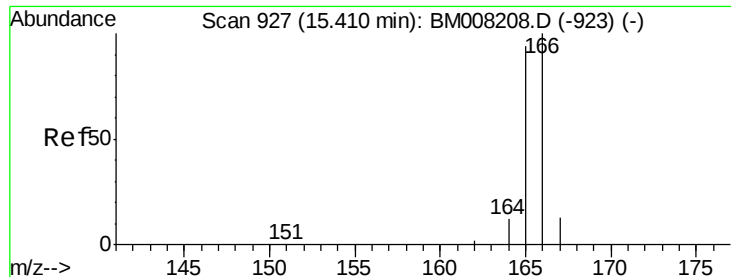
Ion Ratio Lower Upper

153 100

152 63.0 40.3 60.5#

154 85.4 71.4 107.2

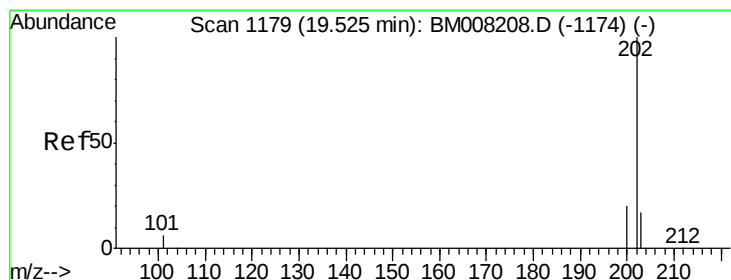
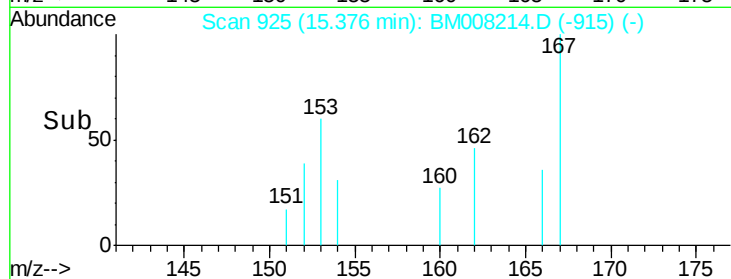
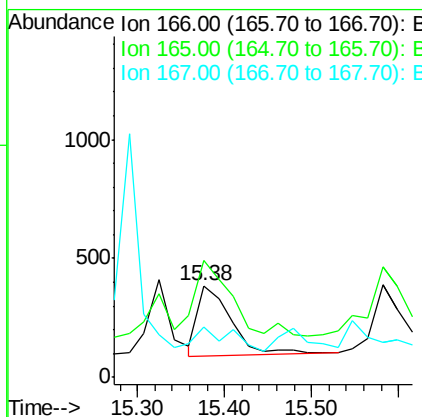
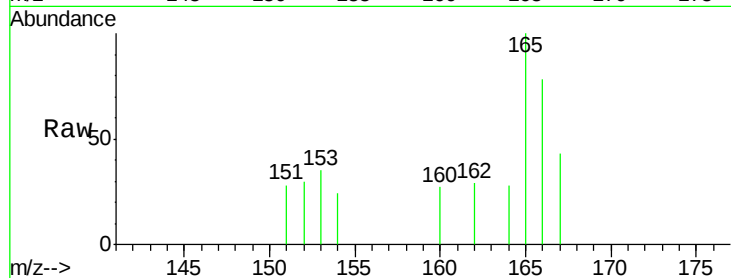




#9
Fluorene
 Concen: 0.18 ng/ul
 RT: 15.38 min Scan# 925
 Delta R.T. -0.03 min
 Lab File: BM008214.D
 Acq: 09 Dec 2016 20:28

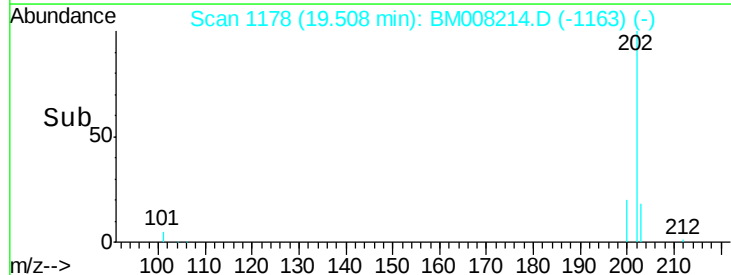
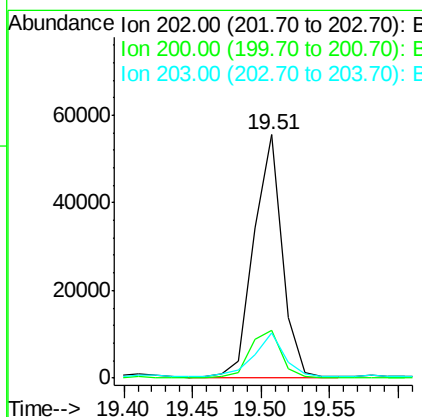
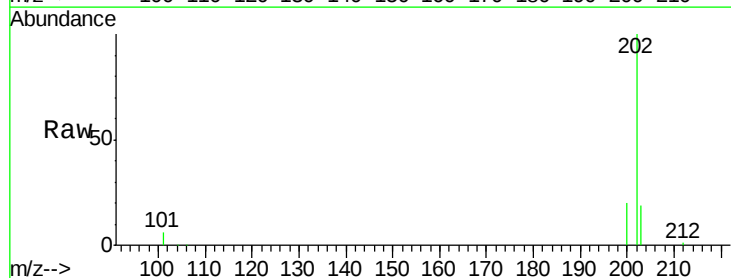
Instrument :
 BNA_M
 ClientSampleId :
 DA7Y8

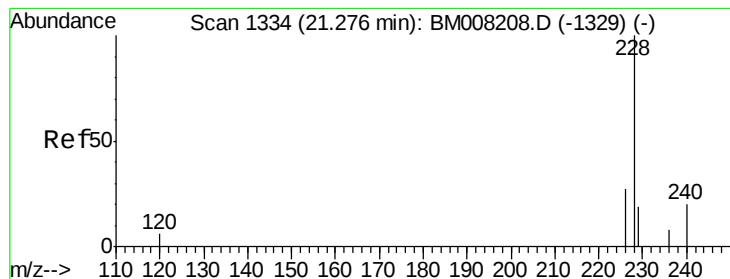
Tgt Ion:166 Resp: 789
 Ion Ratio Lower Upper
 166 100
 165 127.8 73.4 110.2#
 167 55.1 14.6 22.0#



#17
Pyrene
 Concen: 9.33 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BM008214.D
 Acq: 09 Dec 2016 20:28

Tgt Ion:202 Resp: 78742
 Ion Ratio Lower Upper
 202 100
 200 19.7 18.2 27.4
 203 18.5 15.6 23.4

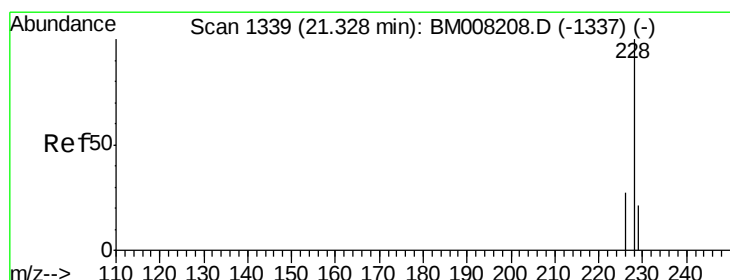
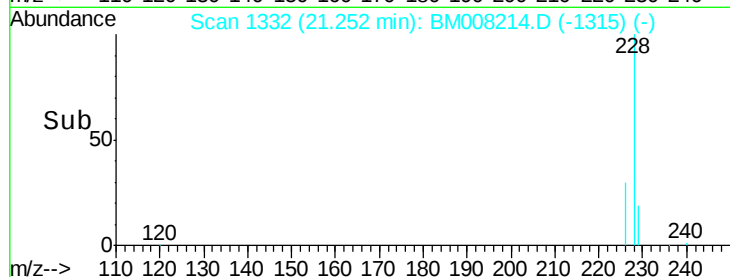
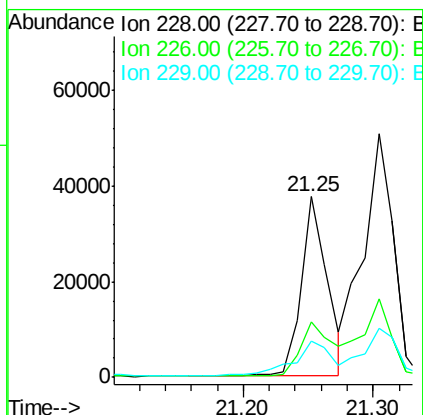
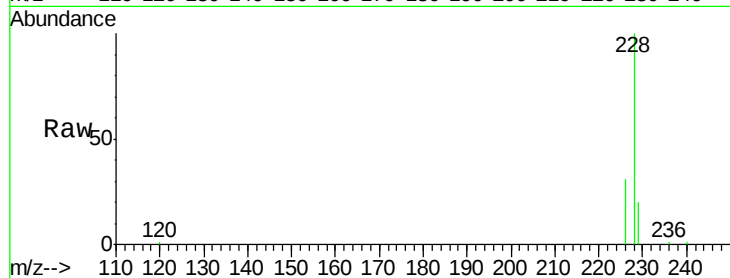




#18
Benzo(a)anthracene
Concen: 7.01 ng/ul
RT: 21.25 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BM008214.D
Acq: 09 Dec 2016 20:28

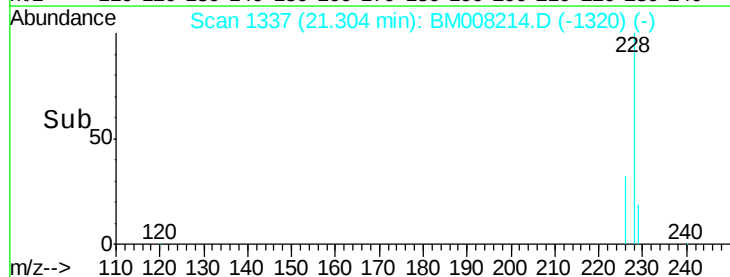
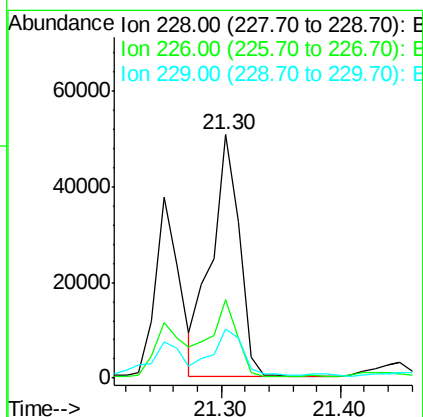
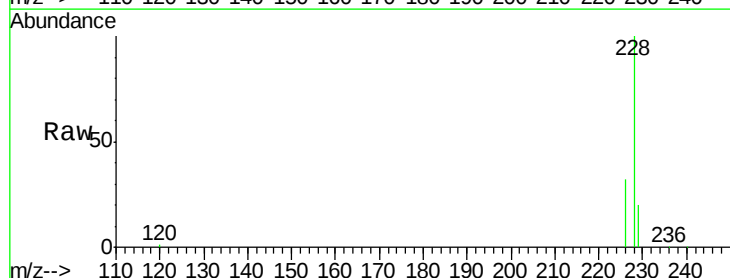
Instrument :
BNA_M
ClientSampleId :
DA7Y8

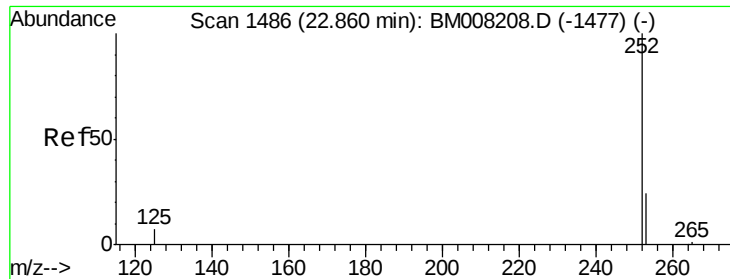
Tgt Ion:228 Resp: 52288
Ion Ratio Lower Upper
228 100
226 30.8 22.8 34.2
229 19.8 17.0 25.6



#19
Chrysene
Concen: 8.88 ng/ul
RT: 21.30 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BM008214.D
Acq: 09 Dec 2016 20:28

Tgt Ion:228 Resp: 82419
Ion Ratio Lower Upper
228 100
226 32.1 23.4 35.0
229 19.9 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 25.84 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BM008214.D

Acq: 09 Dec 2016 20:28

Instrument :

BNA_M

ClientSampleId :

DA7Y8

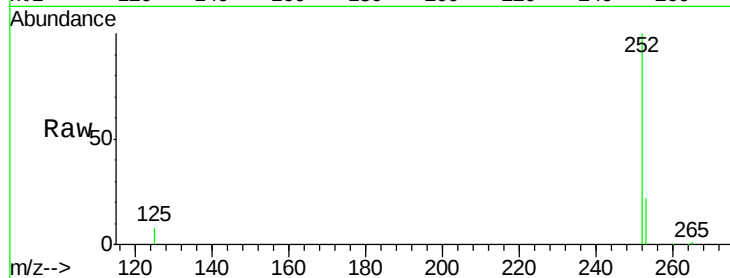
Tgt Ion:252 Resp: 216456

Ion Ratio Lower Upper

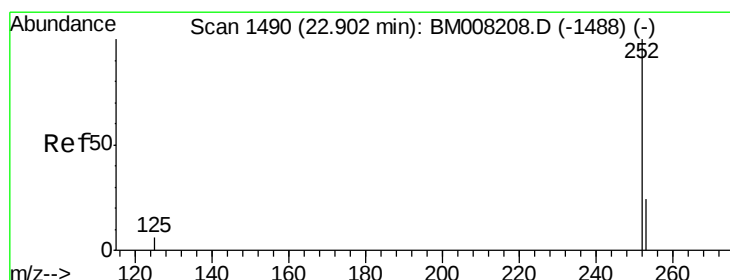
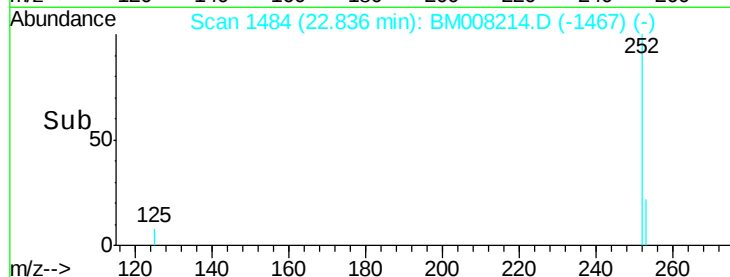
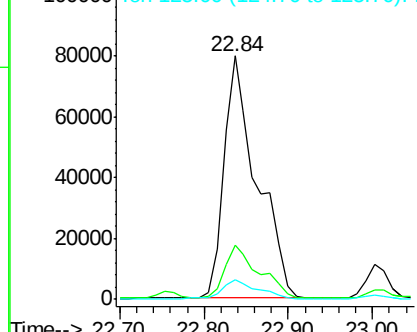
252 100

253 22.4 0.0 64.2

125 8.0 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: 25.05 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.07 min

Lab File: BM008214.D

Acq: 09 Dec 2016 20:28

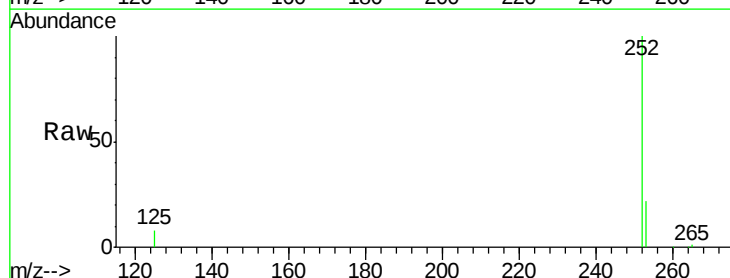
Tgt Ion:252 Resp: 216456

Ion Ratio Lower Upper

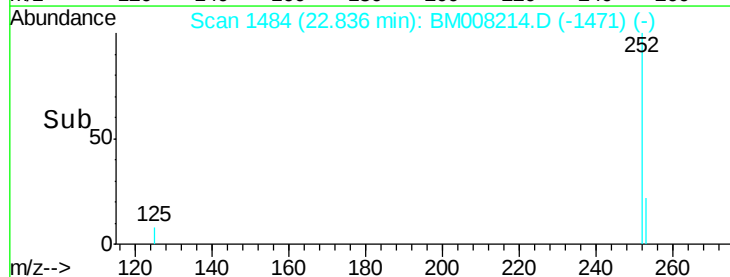
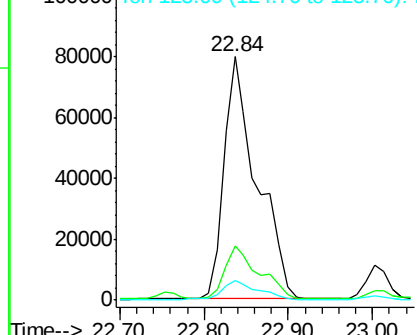
252 100

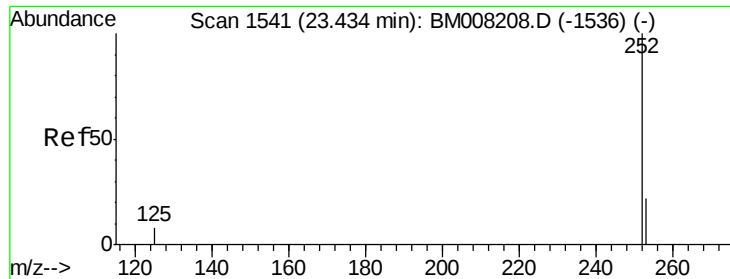
253 22.4 24.5 36.7#

125 8.0 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: 9.77 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.02 min

Lab File: BM008214.D

Acq: 09 Dec 2016 20:28

Instrument :

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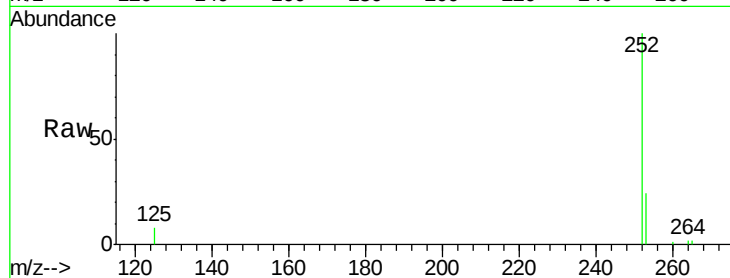
Tgt Ion:252 Resp: 76663

Ion Ratio Lower Upper

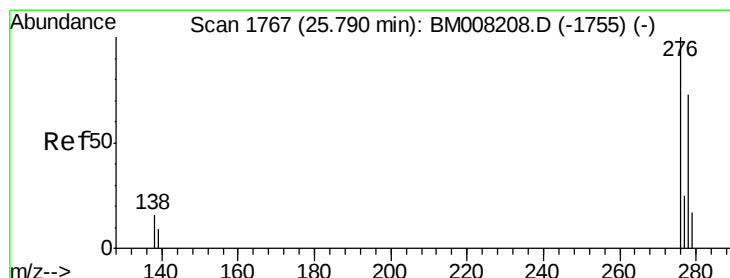
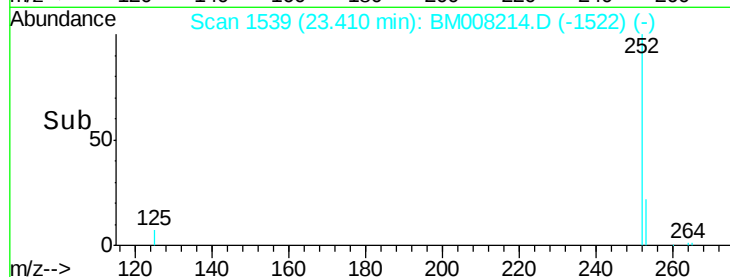
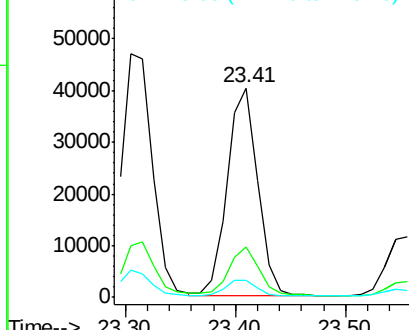
252 100

253 23.8 28.5 42.7#

125 8.1 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: 9.19 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. -0.05 min

Lab File: BM008214.D

Acq: 09 Dec 2016 20:28

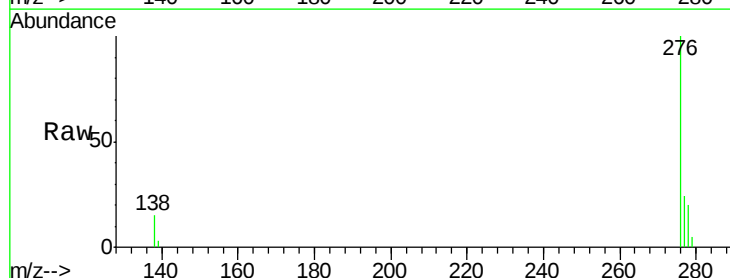
Tgt Ion:276 Resp: 89122

Ion Ratio Lower Upper

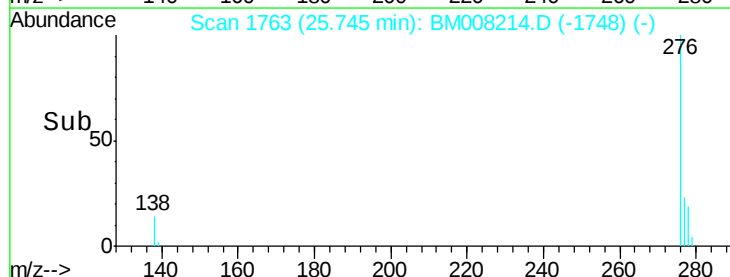
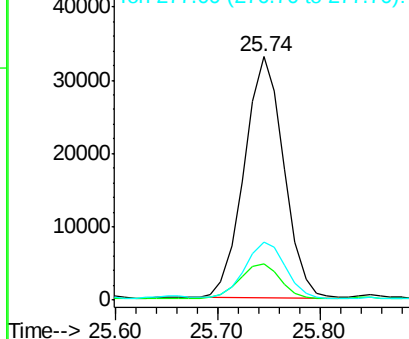
276 100

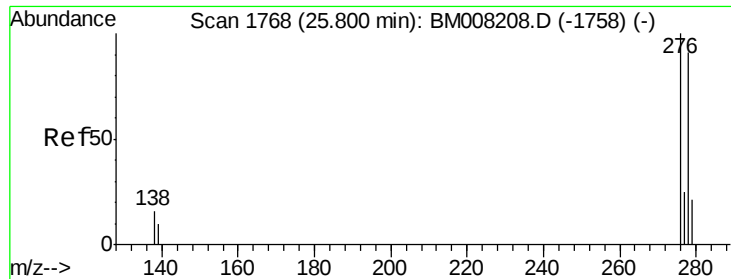
138 15.2 19.1 28.7#

277 23.9 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: 0.62 ng/ul

RT: 25.85 min Scan# 1773

Delta R.T. 0.05 min

Lab File: BM008214.D

Acq: 09 Dec 2016 20:28

Instrument :

BNA_M

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DA7Y8

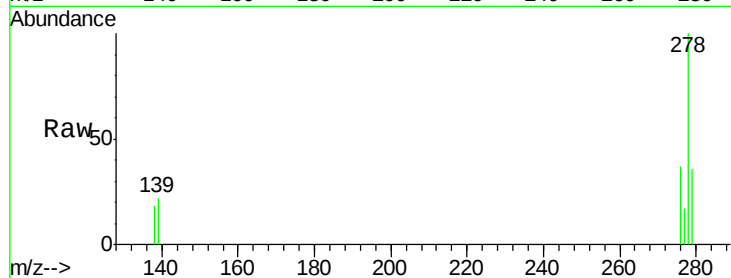
Tgt Ion: 278 Resp: 4843

Ion Ratio Lower Upper

278 100

139 21.8 17.4 26.0

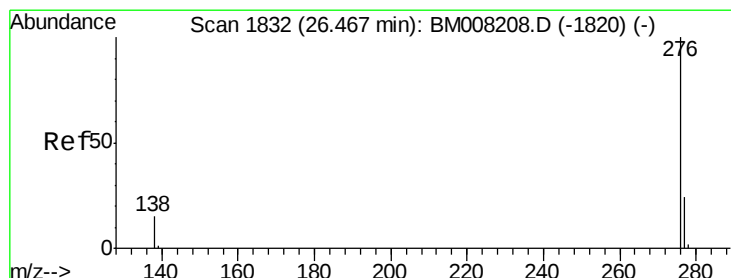
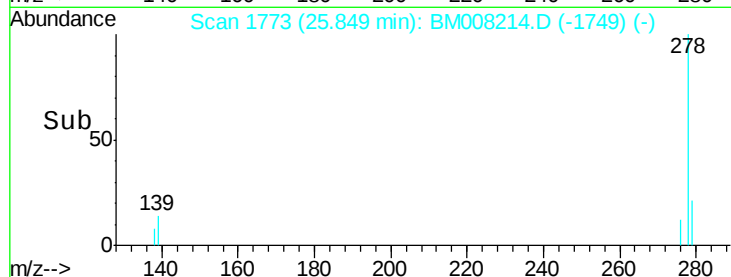
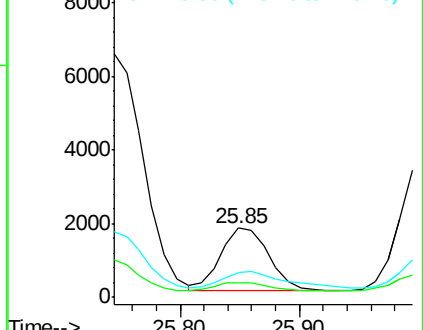
279 35.9 25.9 38.9



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: 9.54 ng/ul

RT: 26.43 min Scan# 1829

Delta R.T. -0.03 min

Lab File: BM008214.D

Acq: 09 Dec 2016 20:28

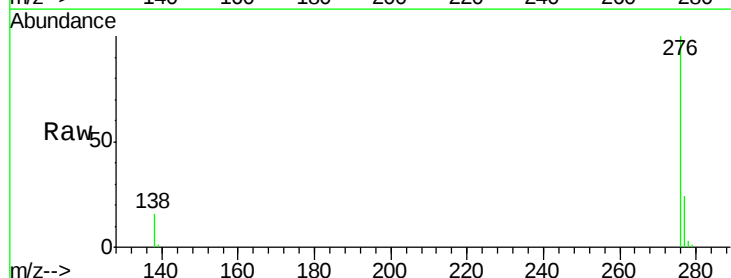
Tgt Ion: 276 Resp: 82139

Ion Ratio Lower Upper

276 100

277 23.6 21.8 32.8

138 15.7 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

