

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
 Data File : BM008215.D
 Acq On : 09 Dec 2016 21:04
 Operator : UM/SJ
 Sample : H5863-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y9

Quant Time: Dec 10 04:40:43 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 10 04:37:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	563	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	1830	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.31	164	1239	0.40	ng/ul	-0.02
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.09
16) Chrysene-d12	21.28	240	1907	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1700	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.05	152	751	0.29	ng/ul	-0.05
14) Fluoranthene-d10	19.11	212	3873	0.00	ng/ul	-0.01

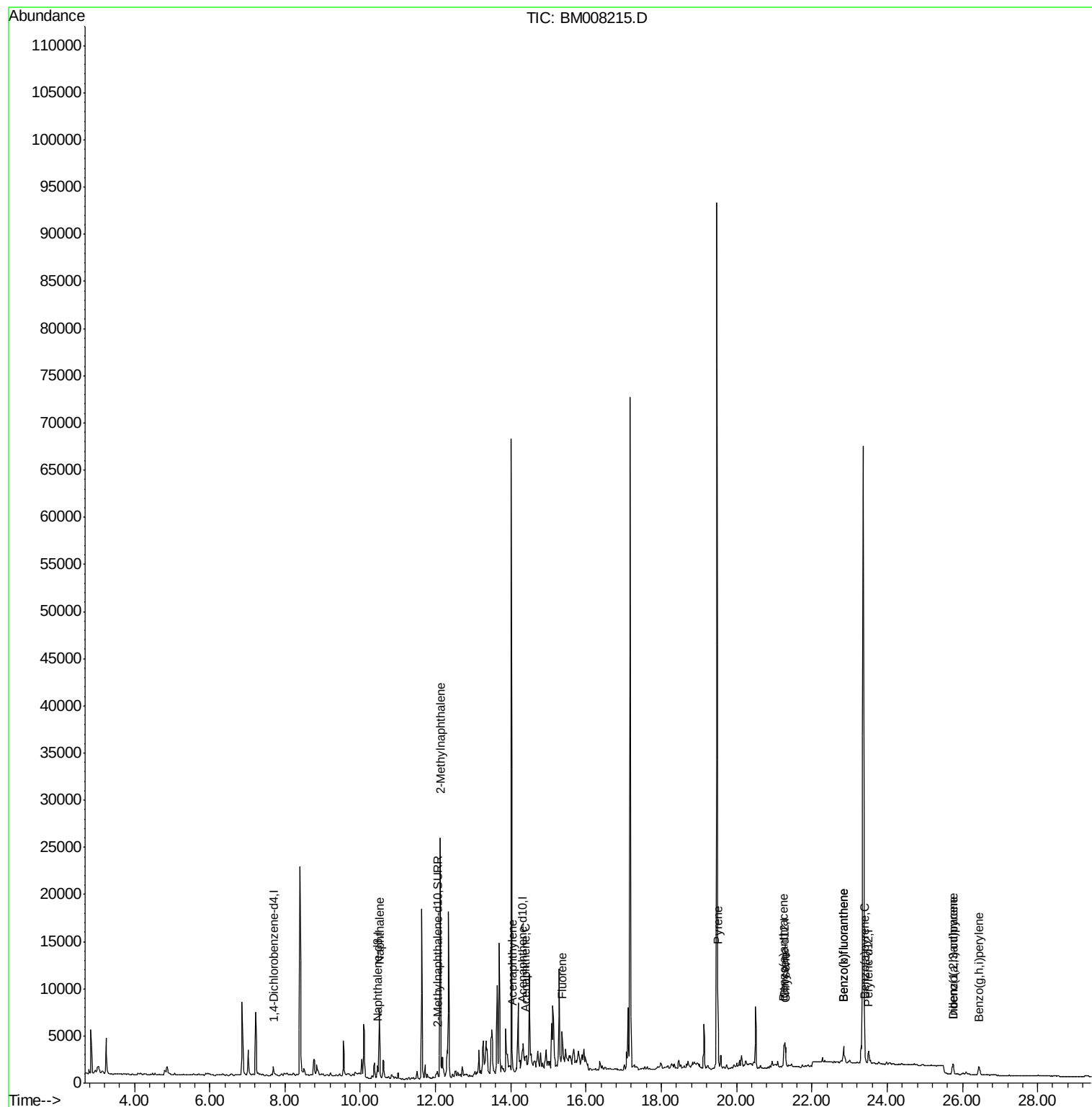
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	10296	2.01	ng/ul	95
5) 2-Methylnaphthalene	12.12	142	17689	5.36	ng/ul	99
7) Acenaphthylene	14.04	152	1055	0.19	ng/ul#	36
8) Acenaphthene	14.38	153	941	0.22	ng/ul#	91
9) Fluorene	15.38	166	2138	0.44	ng/ul#	54
17) Pyrene	19.50	202	5337	0.81	ng/ul	93
18) Benzo(a)anthracene	21.26	228	2087	0.36	ng/ul#	65
19) Chrysene	21.31	228	2202	0.30	ng/ul#	71
21) Benzo(b)fluoranthene	22.84	252	3541	0.52	ng/ul#	68
22) Benzo(k)fluoranthene	22.84	252	3531	0.50	ng/ul#	65
23) Benzo(a)pyrene	23.40	252	1497	0.24	ng/ul#	61
24) Indeno(1,2,3-cd)pyrene	25.75	276	1834	0.23	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.75	278	590	0.09	ng/ul#	1
26) Benzo(g,h,i)perylene	26.44	276	2015	0.29	ng/ul#	87

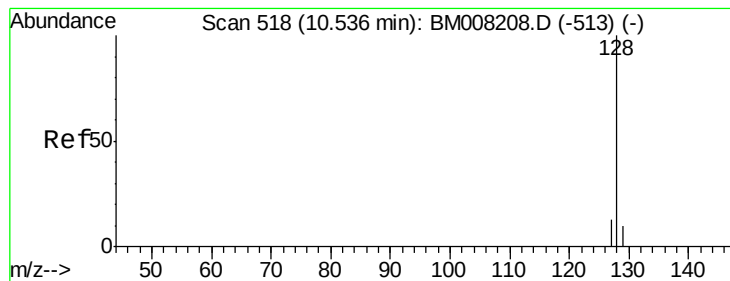
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.01 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.02 min

Lab File: BM008215.D

Acq: 09 Dec 2016 21:04

Instrument :

BNA_M

ClientSampleId :

DA7Y9

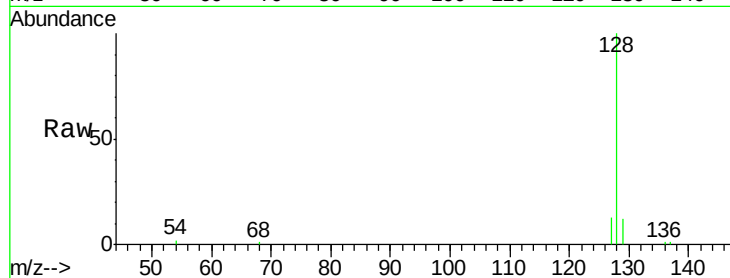
Tgt Ion:128 Resp: 10296

Ion Ratio Lower Upper

128 100

129 12.3 11.3 16.9

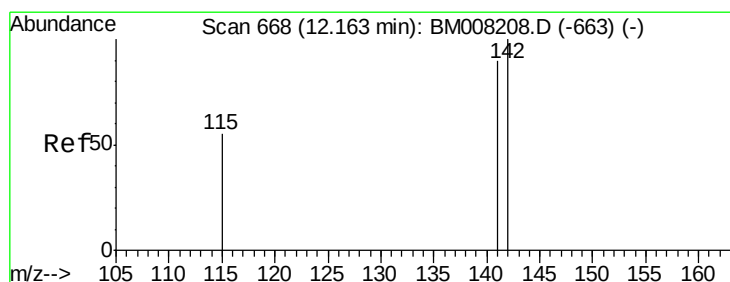
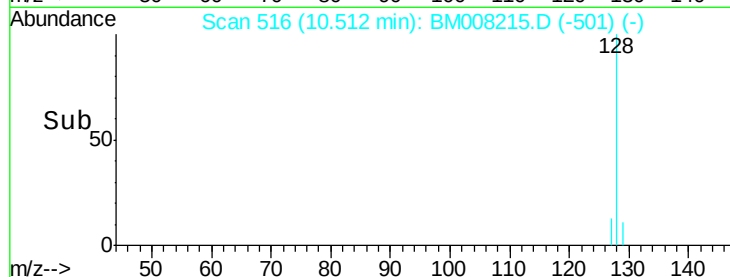
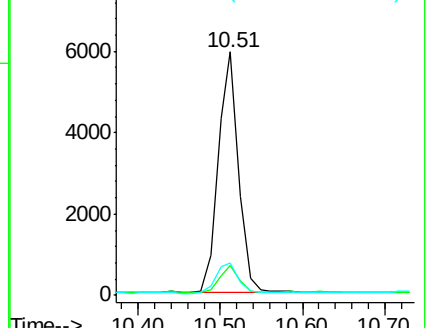
127 13.3 12.8 19.2



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: 5.36 ng/ul

RT: 12.12 min Scan# 664

Delta R.T. -0.04 min

Lab File: BM008215.D

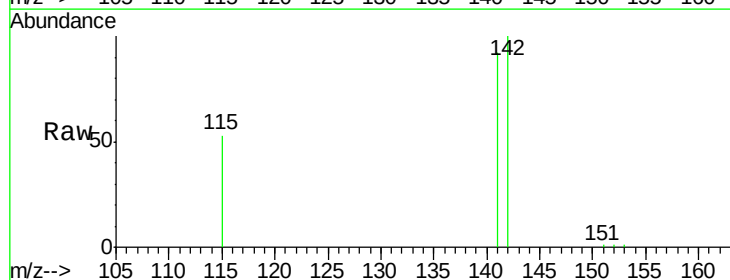
Acq: 09 Dec 2016 21:04

Tgt Ion:142 Resp: 17689

Ion Ratio Lower Upper

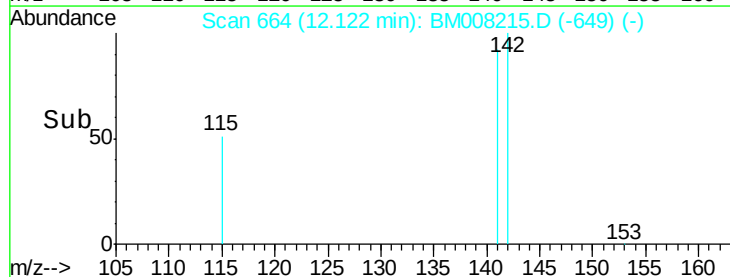
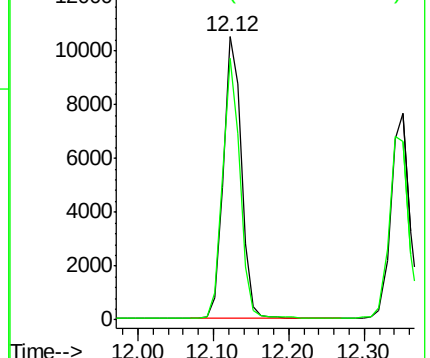
142 100

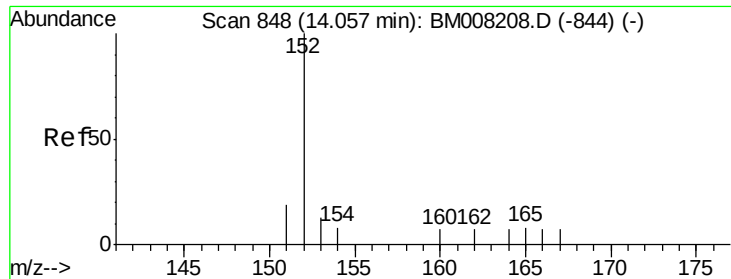
141 89.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.19 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008215.D

Acq: 09 Dec 2016 21:04

Instrument :

BNA_M

ClientSampleId :

DA7Y9

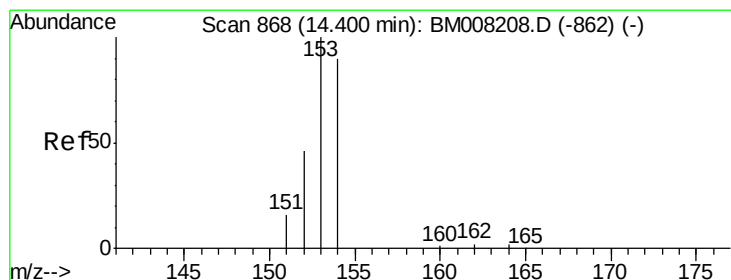
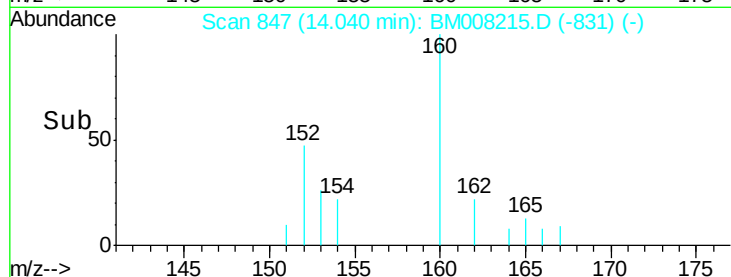
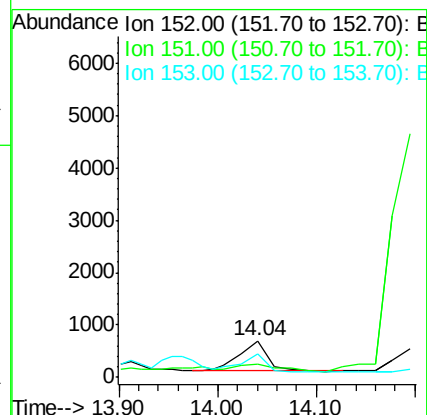
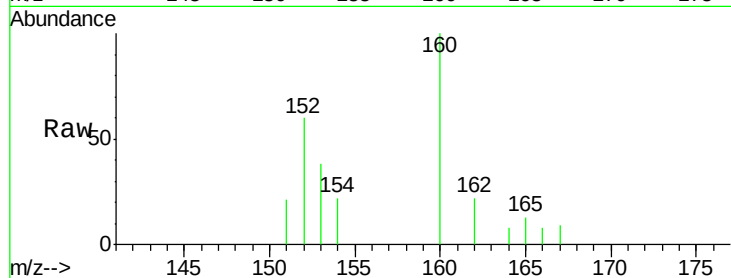
Tgt Ion:152 Resp: 1055

Ion Ratio Lower Upper

152 100

151 35.5 17.1 25.7#

153 62.8 12.8 19.2#



#8

Acenaphthene

Concen: 0.22 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.02 min

Lab File: BM008215.D

Acq: 09 Dec 2016 21:04

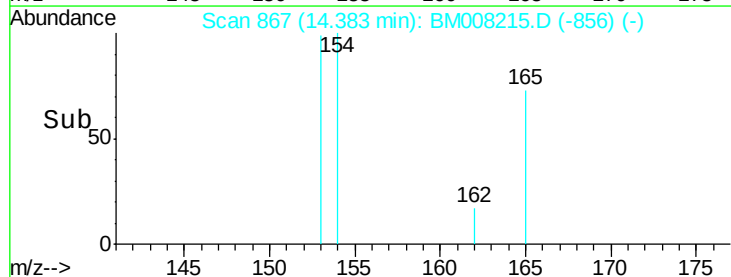
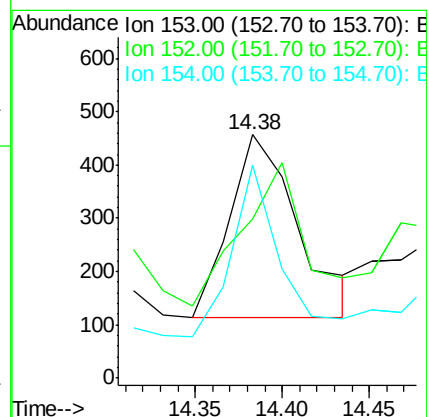
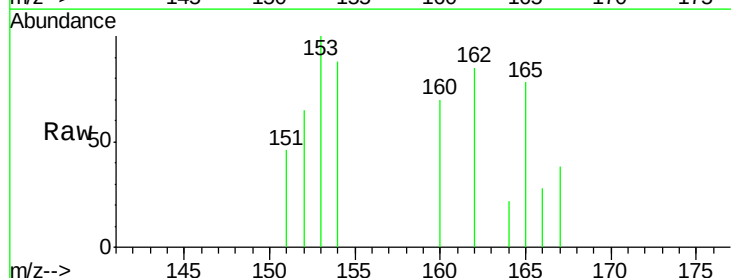
Tgt Ion:153 Resp: 941

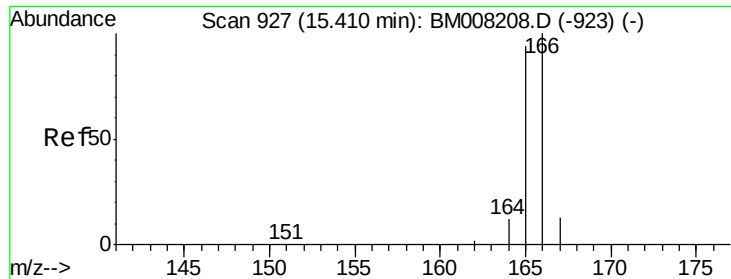
Ion Ratio Lower Upper

153 100

152 65.4 40.3 60.5#

154 87.5 71.4 107.2

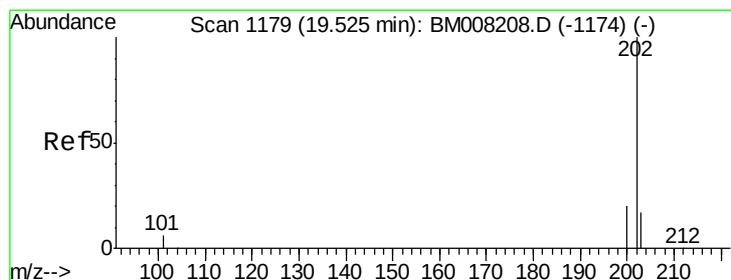
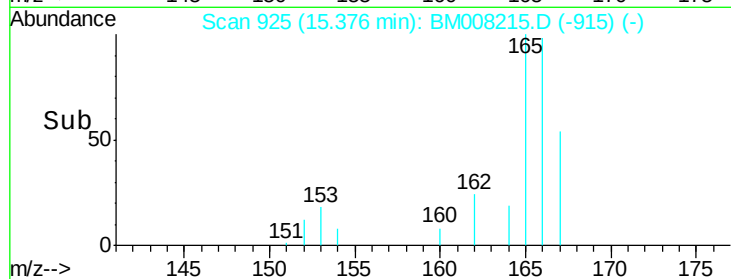
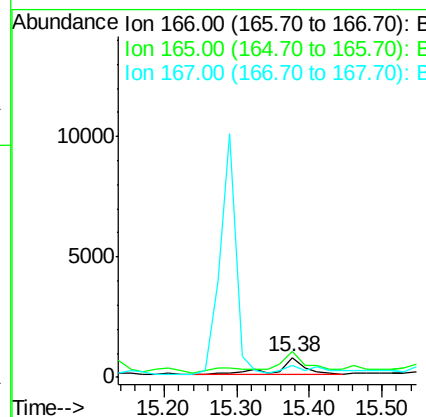
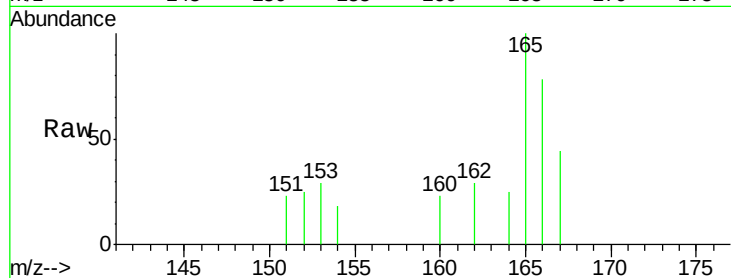




#9
Fluorene
 Concen: 0.44 ng/ul
 RT: 15.38 min Scan# 925
 Delta R.T. -0.03 min
 Lab File: BM008215.D
 Acq: 09 Dec 2016 21:04

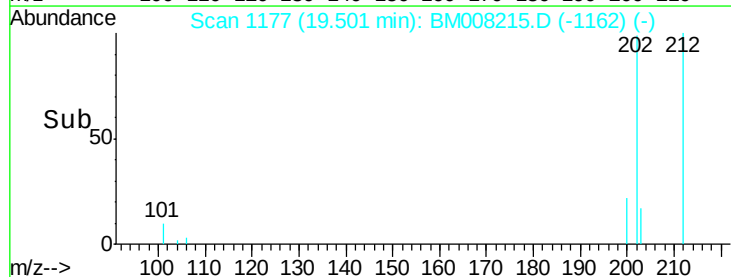
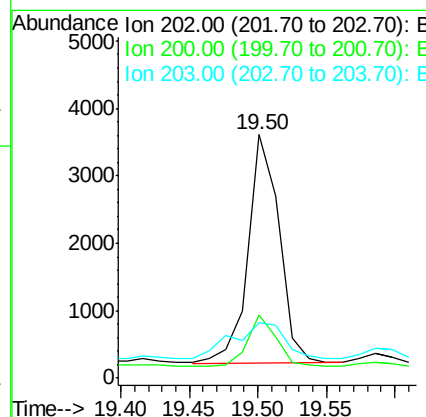
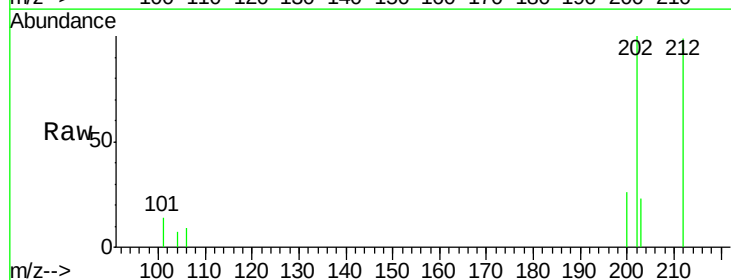
Instrument :
 BNA_M
 ClientSampleId :
 DA7Y9

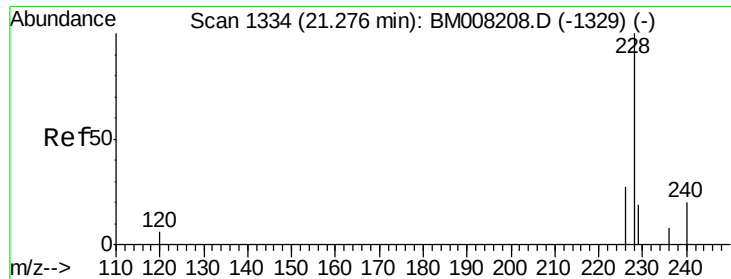
Tgt Ion:166 Resp: 2138
 Ion Ratio Lower Upper
 166 100
 165 127.5 73.4 110.2#
 167 56.4 14.6 22.0#



#17
Pyrene
 Concen: 0.81 ng/ul
 RT: 19.50 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BM008215.D
 Acq: 09 Dec 2016 21:04

Tgt Ion:202 Resp: 5337
 Ion Ratio Lower Upper
 202 100
 200 26.0 18.2 27.4
 203 23.0 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.36 ng/ul

RT: 21.26 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BM008215.D

Acq: 09 Dec 2016 21:04

Instrument :

BNA_M

ClientSampleId :

DA7Y9

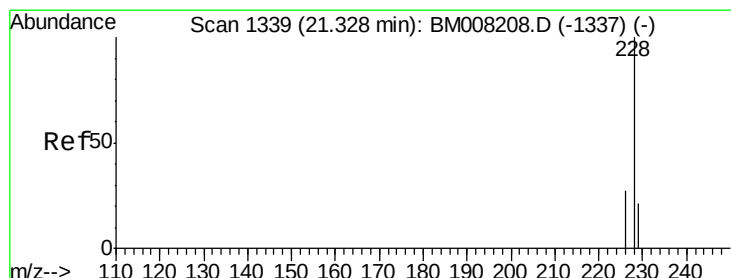
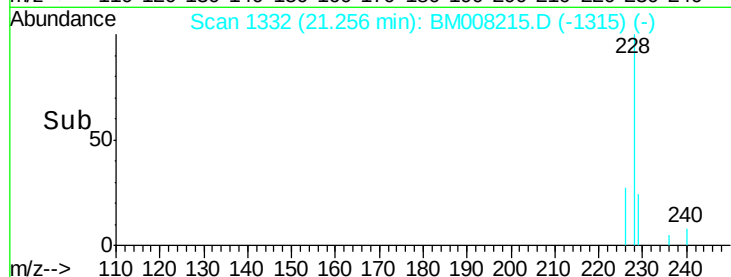
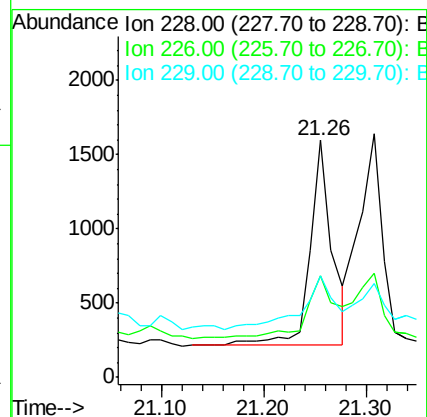
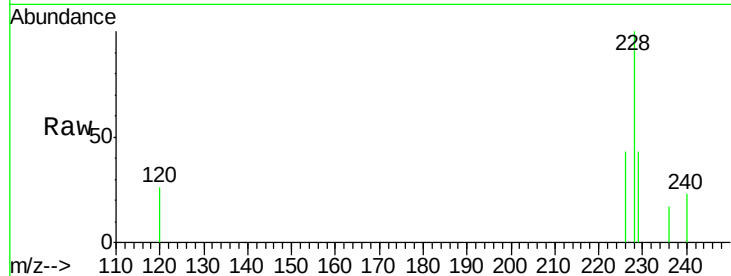
Tgt Ion:228 Resp: 2087

Ion Ratio Lower Upper

228 100

226 42.8 22.8 34.2#

229 42.8 17.0 25.6#



#19

Chrysene

Concen: 0.30 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BM008215.D

Acq: 09 Dec 2016 21:04

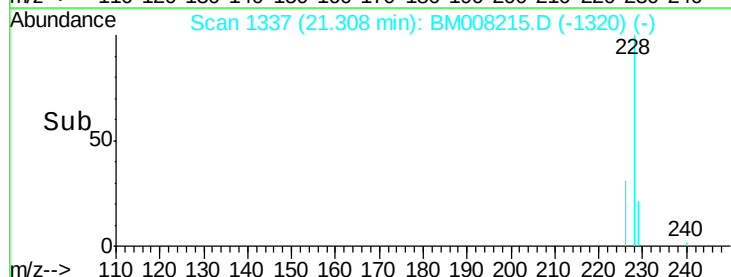
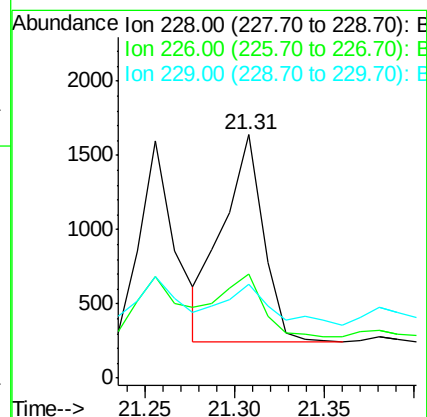
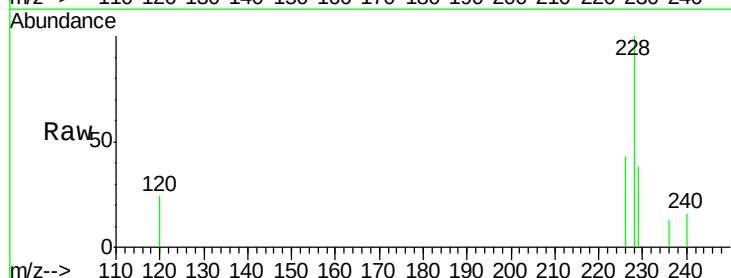
Tgt Ion:228 Resp: 2202

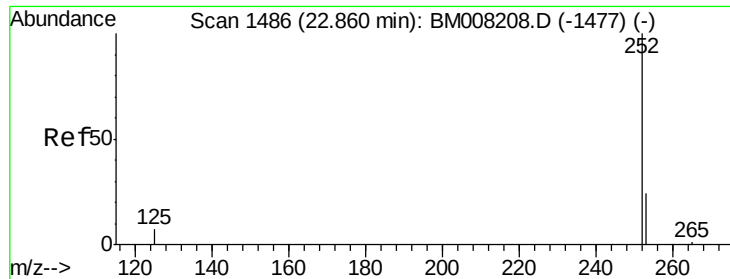
Ion Ratio Lower Upper

228 100

226 42.7 23.4 35.0#

229 38.5 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.52 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BM008215.D

Acq: 09 Dec 2016 21:04

Instrument :

BNA_M

ClientSampleId :

DA7Y9

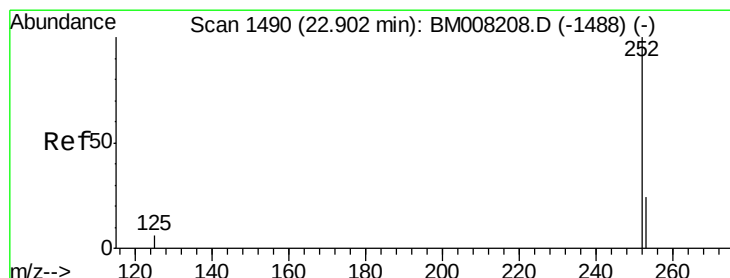
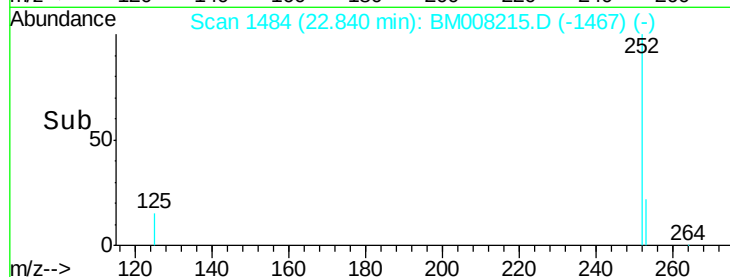
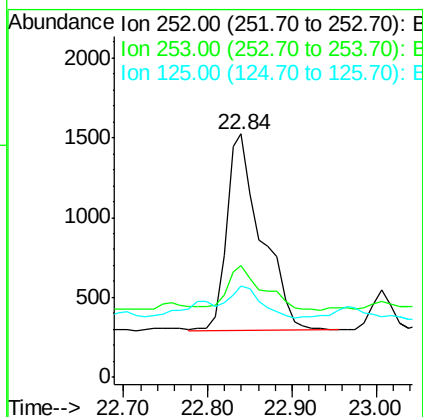
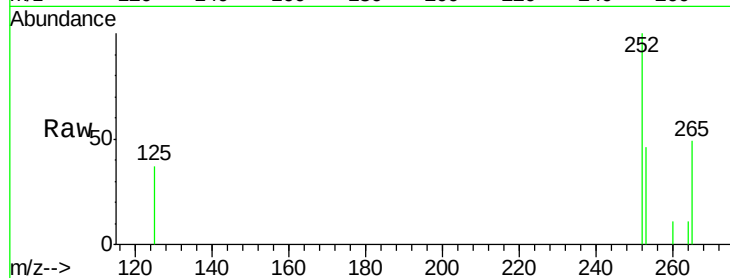
Tgt Ion:252 Resp: 3541

Ion Ratio Lower Upper

252 100

253 45.9 0.0 64.2

125 37.3 0.0 35.0#



#22

Benzo(k)fluoranthene

Concen: 0.50 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.06 min

Lab File: BM008215.D

Acq: 09 Dec 2016 21:04

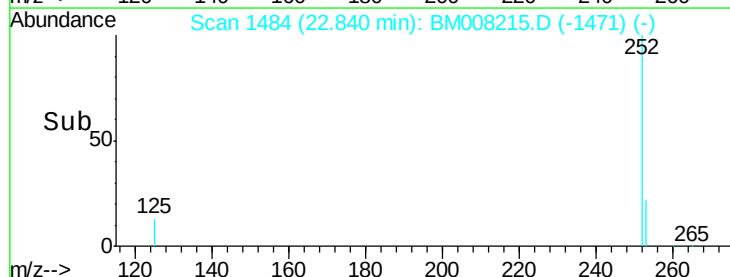
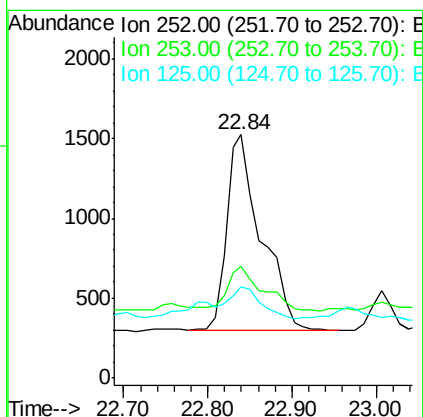
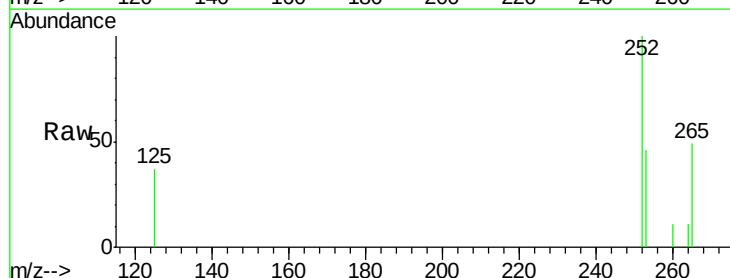
Tgt Ion:252 Resp: 3531

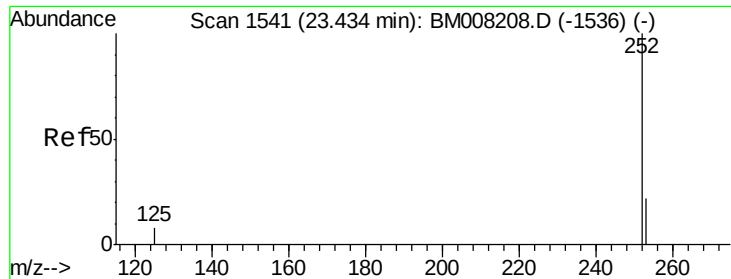
Ion Ratio Lower Upper

252 100

253 45.9 24.5 36.7#

125 37.3 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.24 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. -0.03 min

Lab File: BM008215.D

Acq: 09 Dec 2016 21:04

Instrument :

BNA_M

ClientSampleId :

DA7Y9

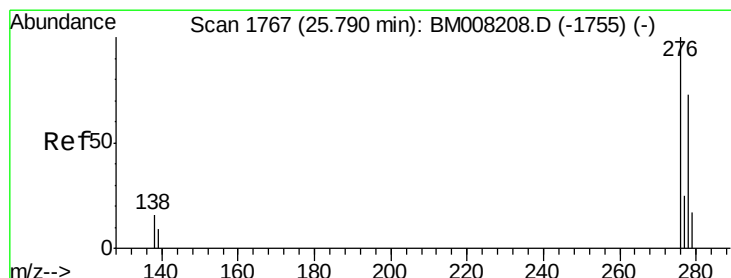
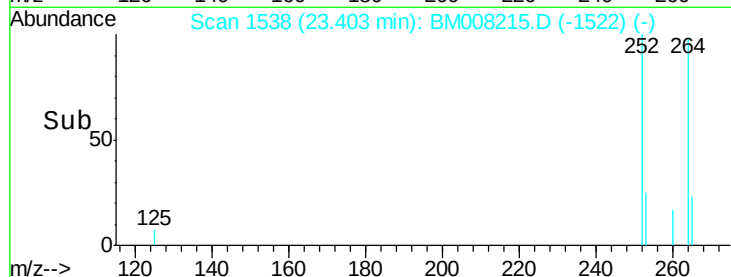
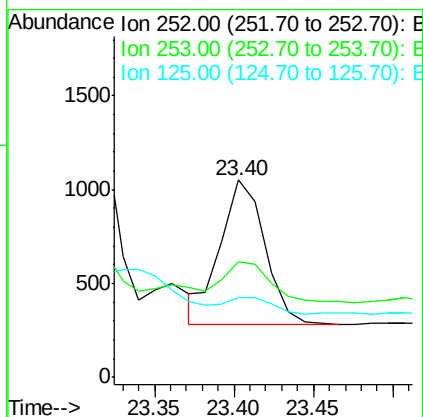
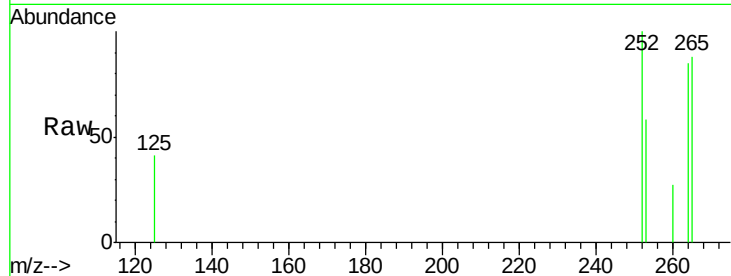
Tgt Ion: 252 Resp: 1497

Ion Ratio Lower Upper

252 100

253 58.5 28.5 42.7#

125 40.8 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.23 ng/ul

RT: 25.75 min Scan# 1763

Delta R.T. -0.04 min

Lab File: BM008215.D

Acq: 09 Dec 2016 21:04

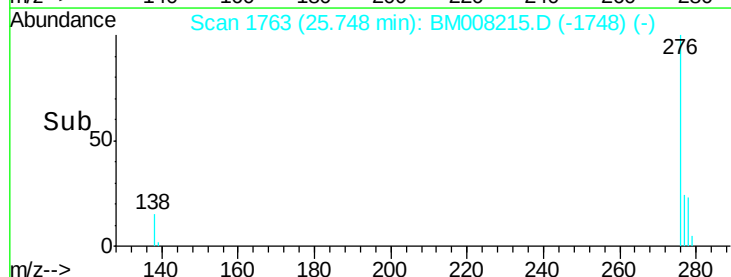
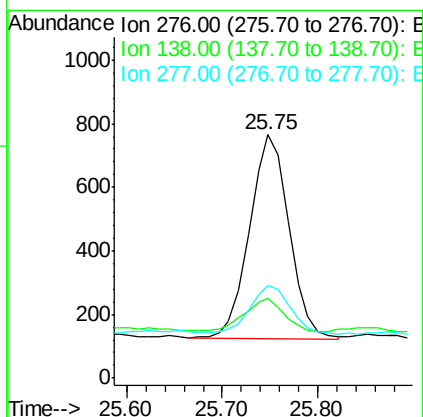
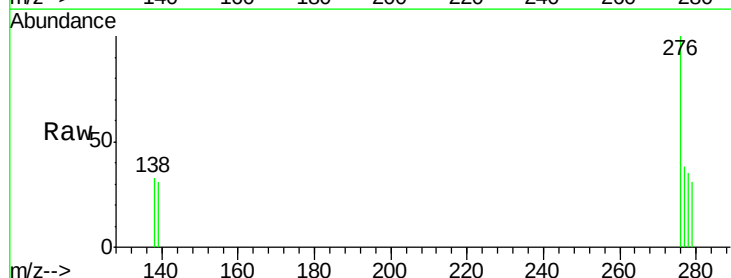
Tgt Ion: 276 Resp: 1834

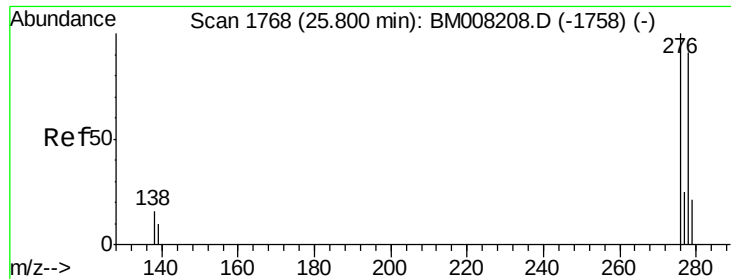
Ion Ratio Lower Upper

276 100

138 16.6 19.1 28.7#

277 25.0 19.6 29.4

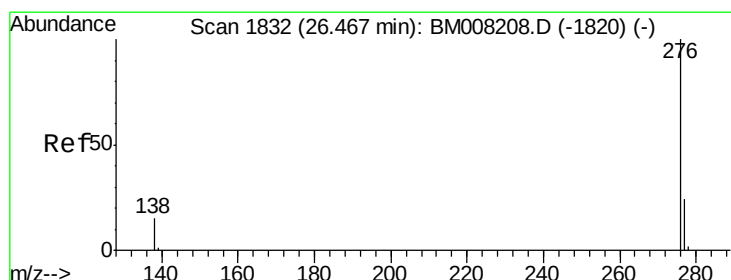
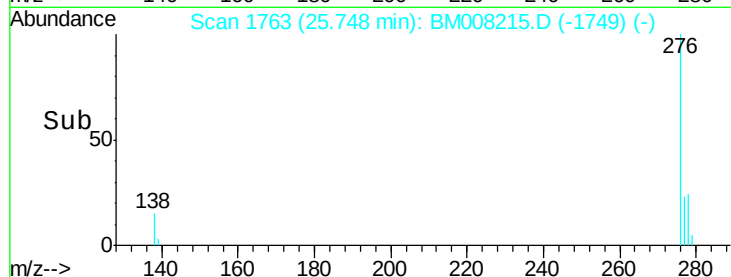
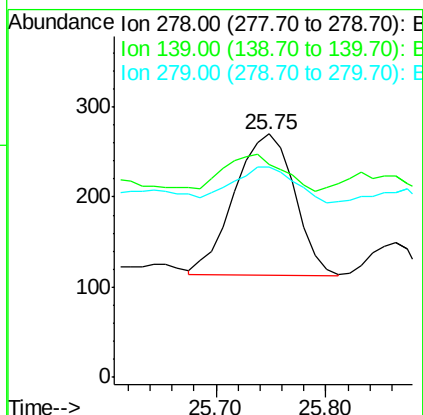
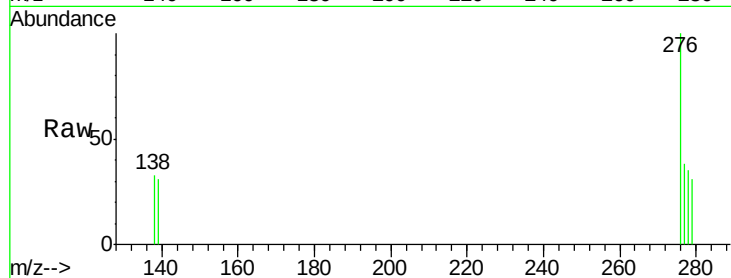




#25
 Dibenzo(a,h)anthracene
 Concen: 0.09 ng/ul
 RT: 25.75 min Scan# 1763
 Delta R.T. -0.05 min
 Lab File: BM008215.D
 Acq: 09 Dec 2016 21:04

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y9

Tgt Ion: 278 Resp: 590
 Ion Ratio Lower Upper
 278 100
 139 87.4 17.4 26.0#
 279 86.7 25.9 38.9#



#26
 Benzo(g,h,i)perylene
 Concen: 0.29 ng/ul
 RT: 26.44 min Scan# 1829
 Delta R.T. -0.03 min
 Lab File: BM008215.D
 Acq: 09 Dec 2016 21:04

Tgt Ion: 276 Resp: 2015
 Ion Ratio Lower Upper
 276 100
 277 36.0 21.8 32.8#
 138 30.6 20.5 30.7

