

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008522.D
 Acq On : 21 Dec 2016 18:11
 Operator : UM/SJ
 Sample : H5905-11RE
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA811

Quant Time: Dec 22 00:28:24 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	212	0.40	ng/ul	-0.08
2) Naphthalene-d8	10.43	136	673	0.40	ng/ul	-0.07
6) Acenaphthene-d10	14.30	164	423	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.14	188	98781	0.40	ng/ul	0.05
16) Chrysene-d12	21.35	240	73	0.40	ng/ul	0.06
20) Perylene-d12	23.48	264	1442	0.40	ng/ul	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	571	0.55	ng/ul	-0.08
14) Fluoranthene-d10	19.18	212	74	0.00	ng/ul	0.06

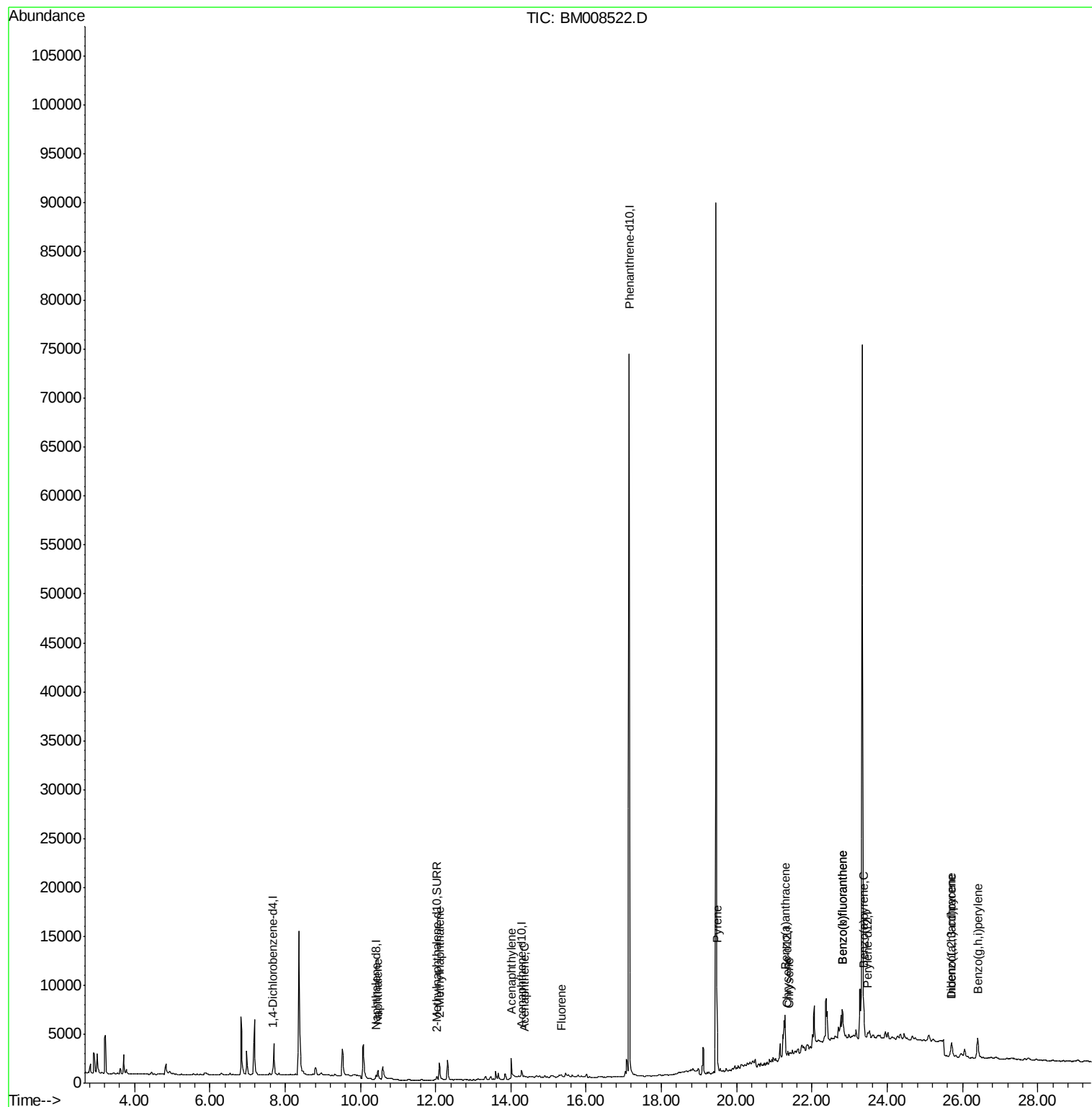
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	1462	0.77	ng/ul#	94
5) 2-Methylnaphthalene	12.10	142	1607	1.26	ng/ul	98
7) Acenaphthylene	14.01	152	296	0.15	ng/ul#	49
8) Acenaphthene	14.35	153	110	0.08	ng/ul#	82
9) Fluorene	15.34	166	146	0.09	ng/ul#	60
17) Pyrene	19.47	202	5017	17.78	ng/ul	94
18) Benzo(a)anthracene	21.28	228	8216	34.27	ng/ul#	71
19) Chrysene	21.40	228	280	1.07	ng/ul#	1
21) Benzo(b)fluoranthene	22.80	252	6673	1.17	ng/ul#	41
22) Benzo(k)fluoranthene	22.80	252	6673	1.20	ng/ul#	37
23) Benzo(a)pyrene	23.38	252	2501	0.47	ng/ul#	14
24) Indeno(1,2,3-cd)pyrene	25.71	276	2419	0.39	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.70	278	1234	0.25	ng/ul#	1
26) Benzo(g,h,i)perylene	26.40	276	4521	0.84	ng/ul#	76

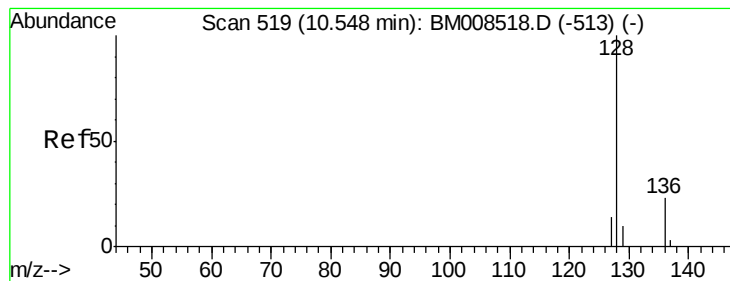
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.77 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.07 min

Lab File: BM008522.D

Acq: 21 Dec 2016 18:11

Instrument :

BNA_M

ClientSampleId :

DA811

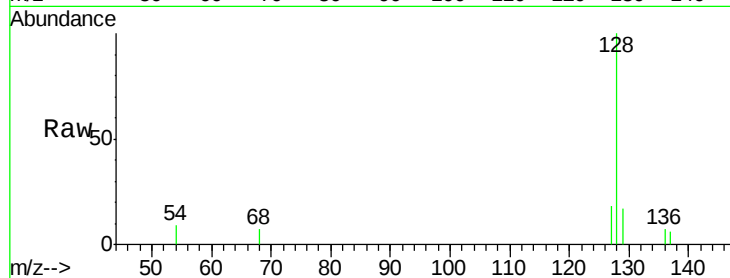
Tgt Ion:128 Resp: 1462

Ion Ratio Lower Upper

128 100

129 17.3 11.3 16.9#

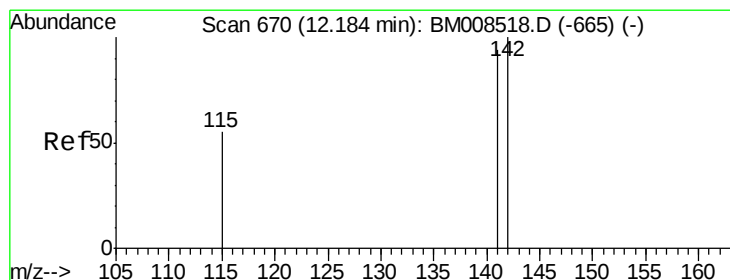
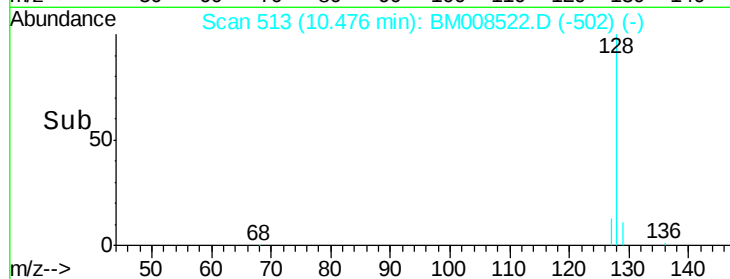
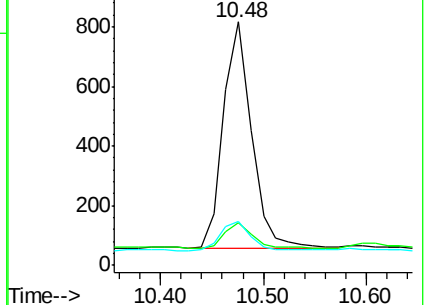
127 18.2 12.8 19.2



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: 1.26 ng/ul

RT: 12.10 min Scan# 662

Delta R.T. -0.08 min

Lab File: BM008522.D

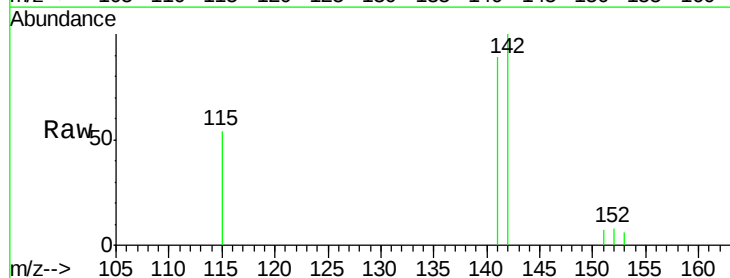
Acq: 21 Dec 2016 18:11

Tgt Ion:142 Resp: 1607

Ion Ratio Lower Upper

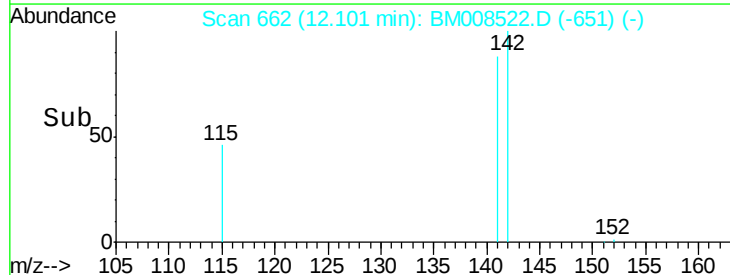
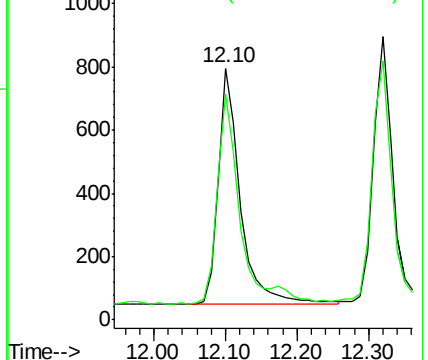
142 100

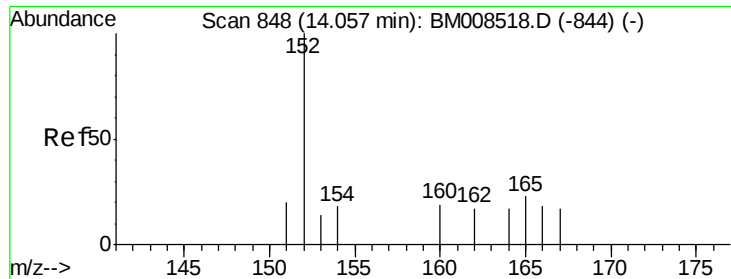
141 93.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.15 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.05 min

Lab File: BM008522.D

Acq: 21 Dec 2016 18:11

Instrument :

BNA_M

ClientSampleId :

DA811

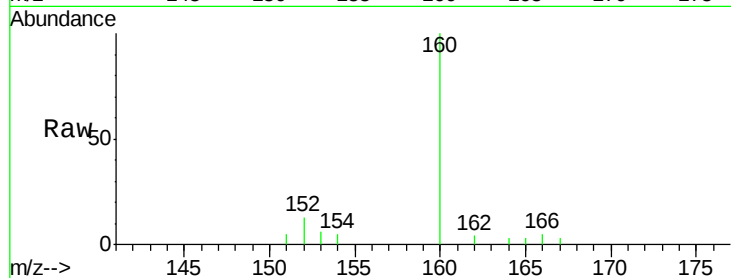
Tgt Ion:152 Resp: 296

Ion Ratio Lower Upper

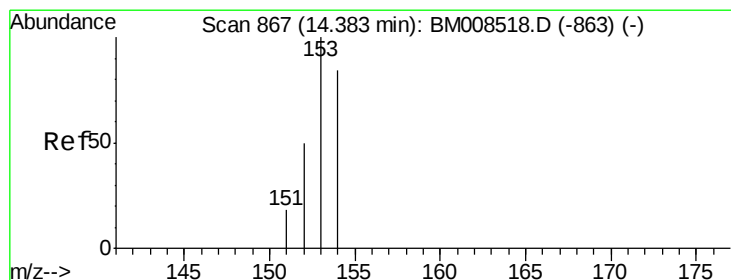
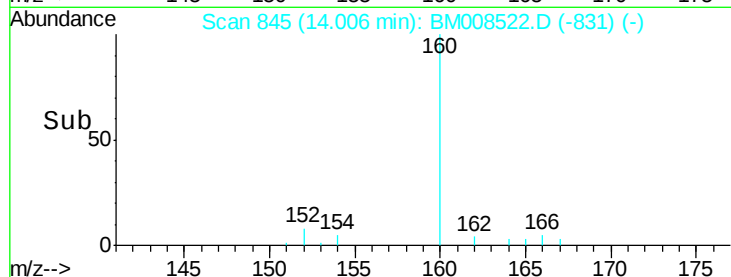
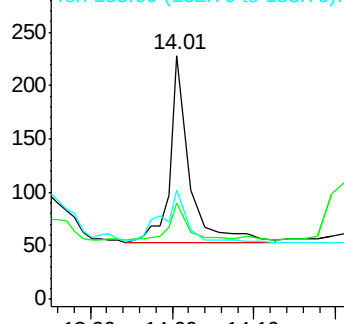
152 100

151 39.5 17.1 25.7#

153 44.7 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: 0.08 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.03 min

Lab File: BM008522.D

Acq: 21 Dec 2016 18:11

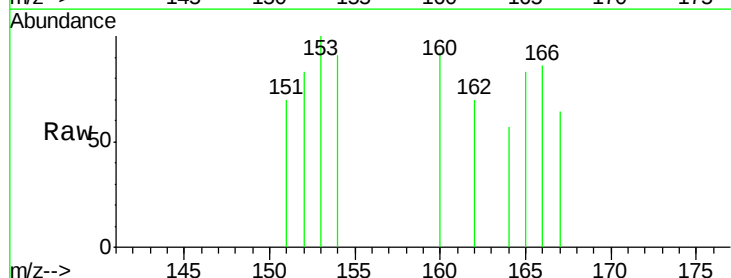
Tgt Ion:153 Resp: 110

Ion Ratio Lower Upper

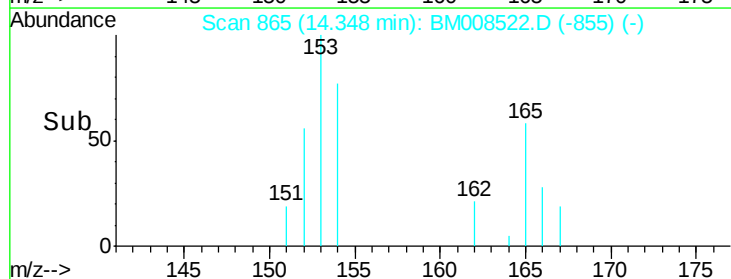
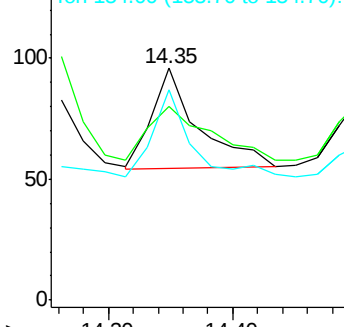
153 100

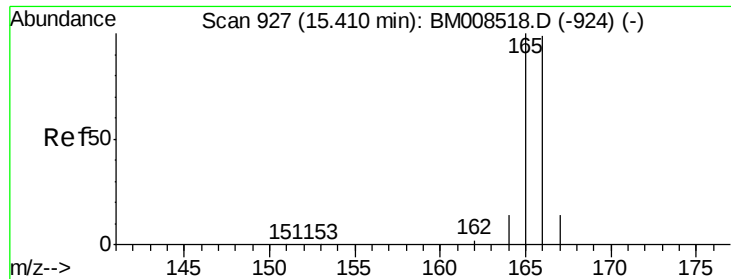
152 83.3 40.3 60.5#

154 90.6 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

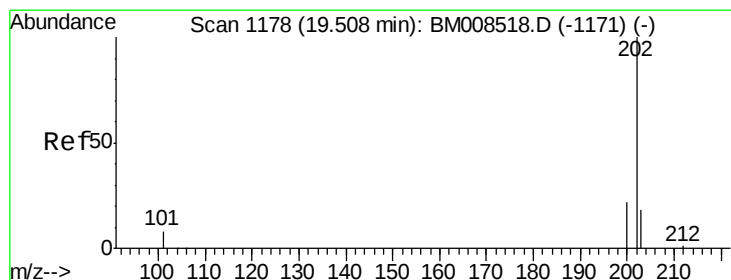
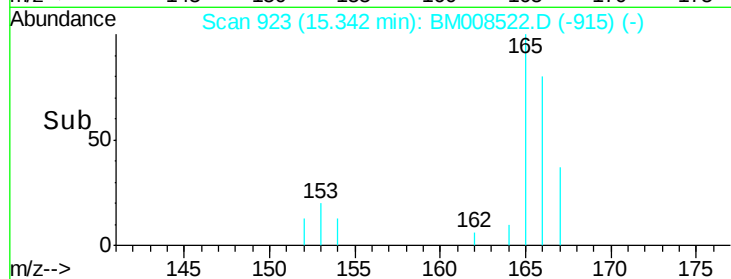
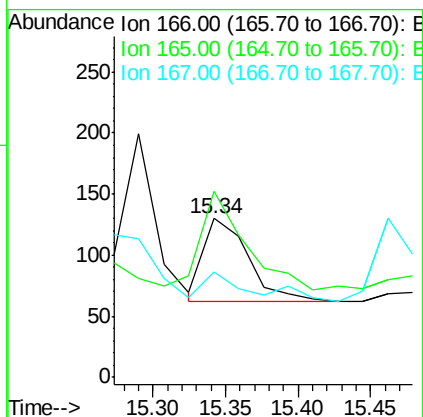
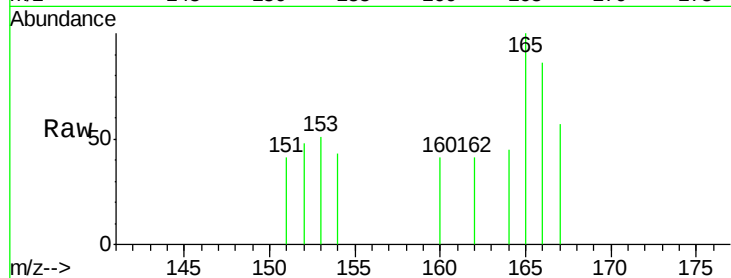




#9
Fluorene
 Concen: 0.09 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. -0.07 min
 Lab File: BM008522.D
 Acq: 21 Dec 2016 18:11

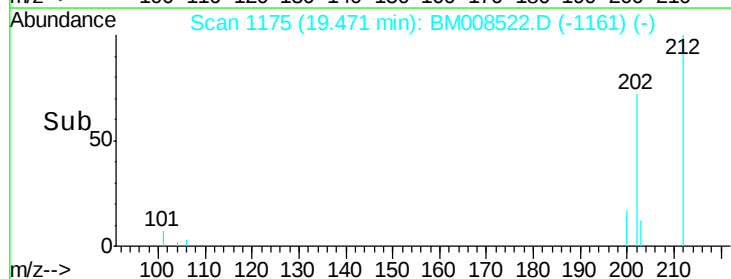
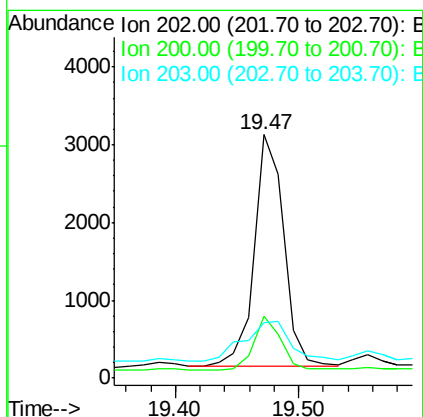
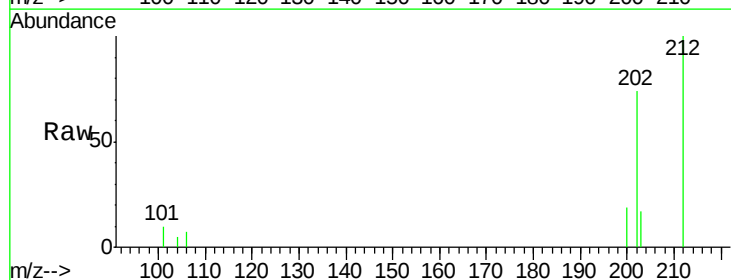
Instrument :
 BNA_M
 ClientSampleId :
 DA811

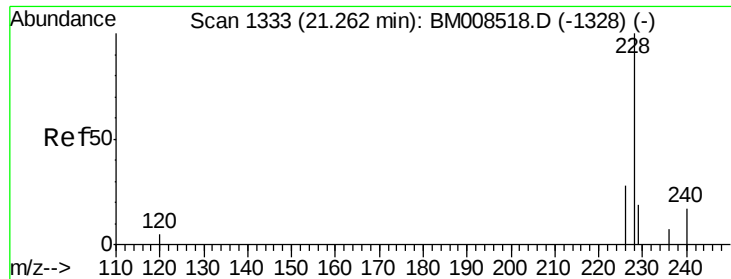
Tgt Ion:166 Resp: 146
 Ion Ratio Lower Upper
 166 100
 165 116.9 73.4 110.2#
 167 66.2 14.6 22.0#



#17
Pyrene
 Concen: 17.78 ng/ul
 RT: 19.47 min Scan# 1175
 Delta R.T. -0.04 min
 Lab File: BM008522.D
 Acq: 21 Dec 2016 18:11

Tgt Ion:202 Resp: 5017
 Ion Ratio Lower Upper
 202 100
 200 25.4 18.2 27.4
 203 22.7 15.6 23.4





#18

Benzo(a)anthracene

Concen: 34.27 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. 0.02 min

Lab File: BM008522.D

Acq: 21 Dec 2016 18:11

Instrument :

BNA_M

ClientSampleId :

DA811

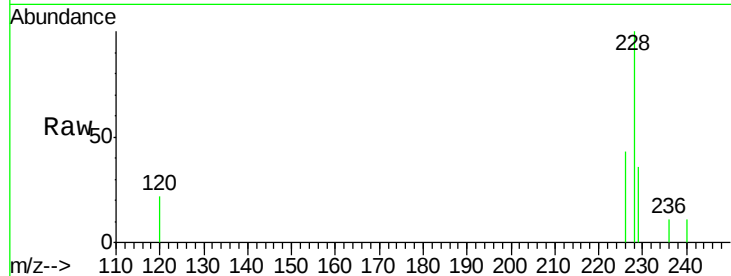
Tgt Ion:228 Resp: 8216

Ion Ratio Lower Upper

228 100

226 43.2 22.8 34.2#

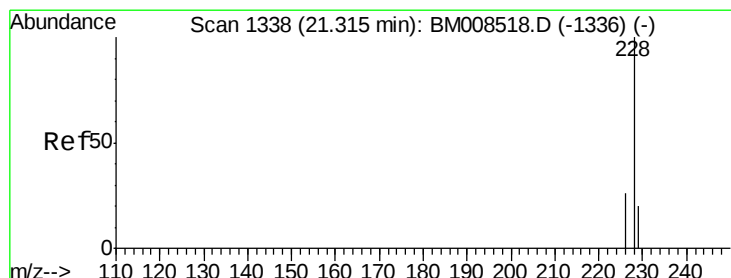
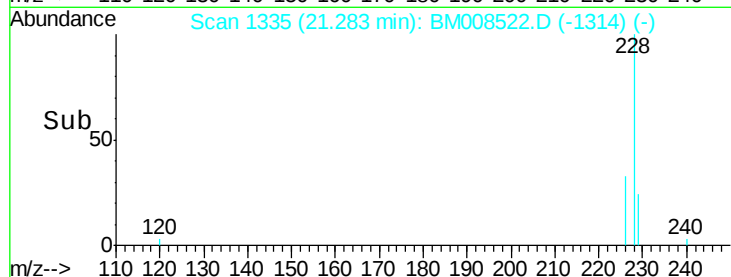
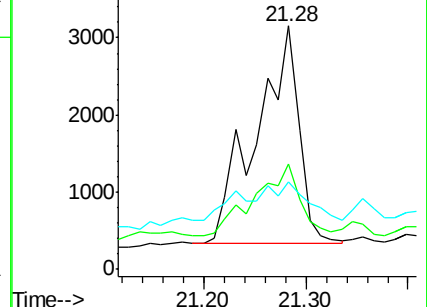
229 36.0 17.0 25.6#



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



#19

Chrysene

Concen: 1.07 ng/ul

RT: 21.40 min Scan# 1346

Delta R.T. 0.08 min

Lab File: BM008522.D

Acq: 21 Dec 2016 18:11

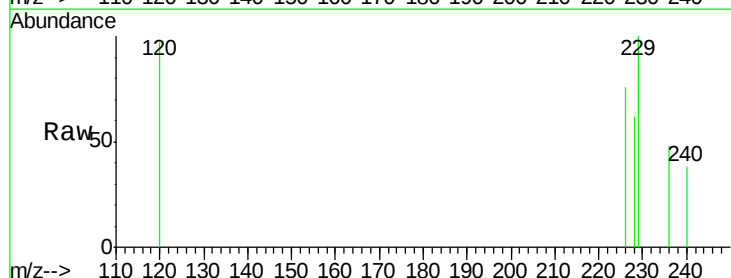
Tgt Ion:228 Resp: 280

Ion Ratio Lower Upper

228 100

226 123.0 23.4 35.0#

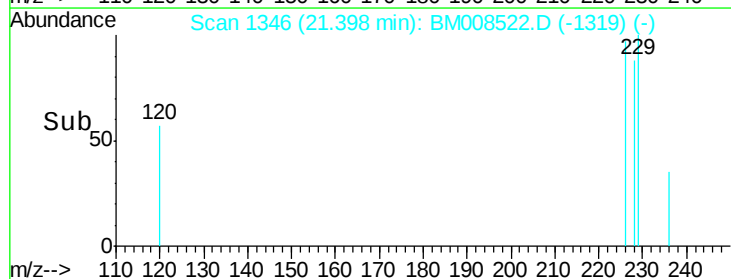
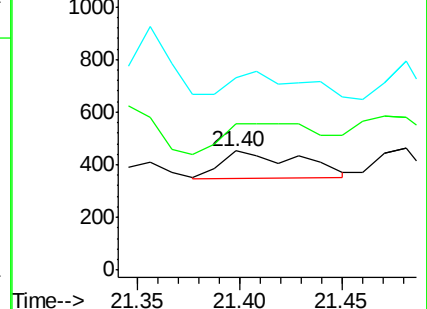
229 161.7 17.7 26.5#

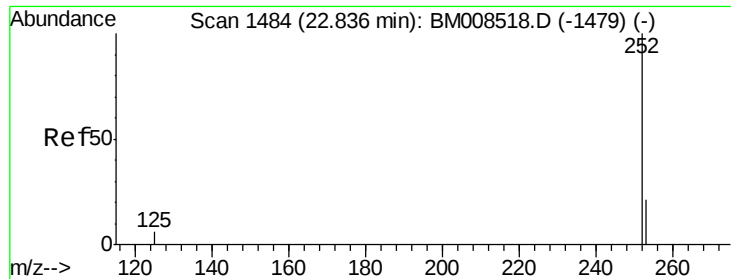


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 1.17 ng/ul

RT: 22.80 min Scan# 1481

Delta R.T. -0.03 min

Lab File: BM008522.D

Acq: 21 Dec 2016 18:11

Instrument :

BNA_M

ClientSampleId :

DA811

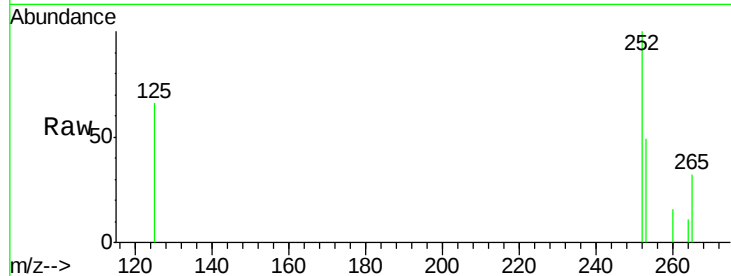
Tgt Ion:252 Resp: 6673

Ion Ratio Lower Upper

252 100

253 49.4 0.0 64.2

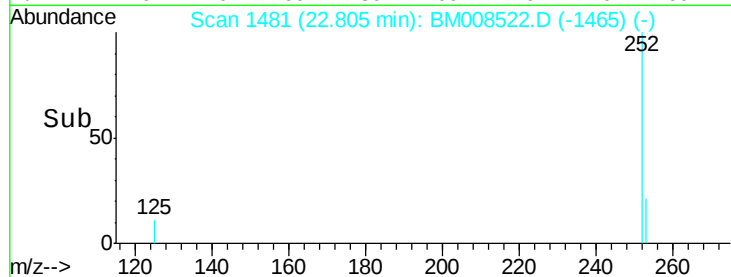
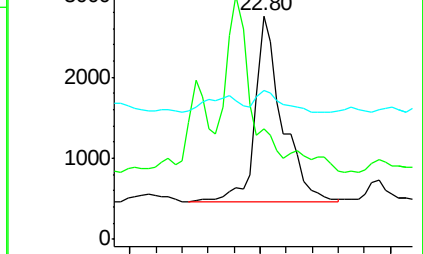
125 66.4 0.0 35.0#



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: 1.20 ng/ul

RT: 22.80 min Scan# 1481

Delta R.T. -0.07 min

Lab File: BM008522.D

Acq: 21 Dec 2016 18:11

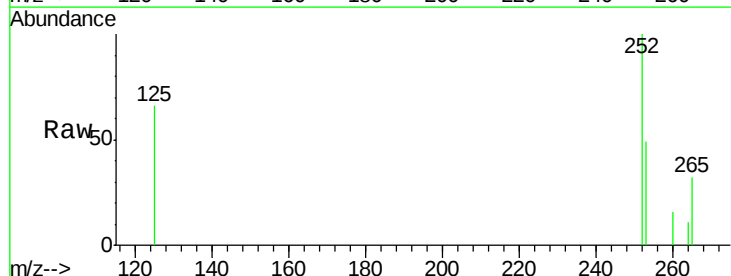
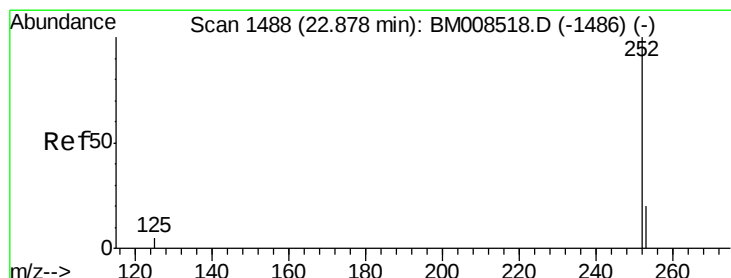
Tgt Ion:252 Resp: 6673

Ion Ratio Lower Upper

252 100

253 49.4 24.5 36.7#

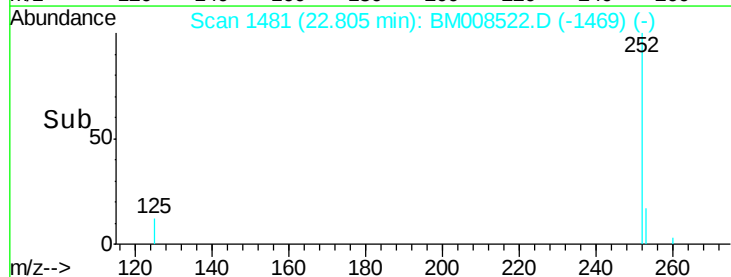
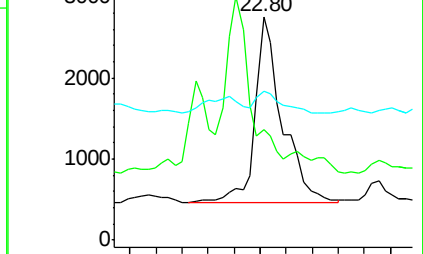
125 66.4 13.7 20.5#

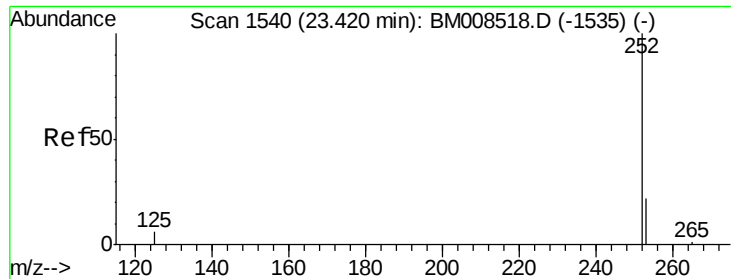


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.47 ng/ul

RT: 23.38 min Scan# 1536

Delta R.T. -0.04 min

Lab File: BM008522.D

Acq: 21 Dec 2016 18:11

Instrument :

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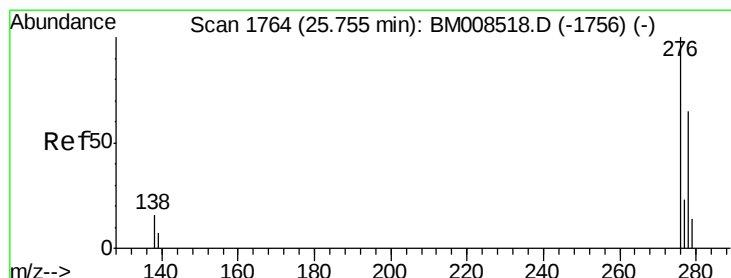
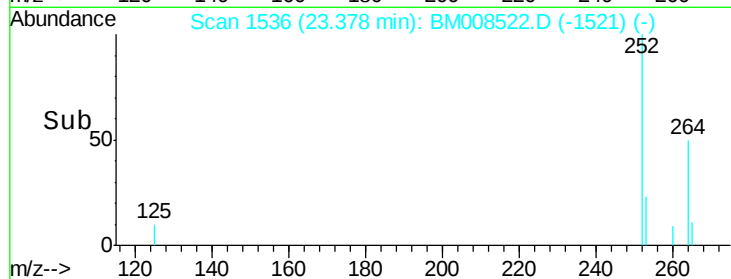
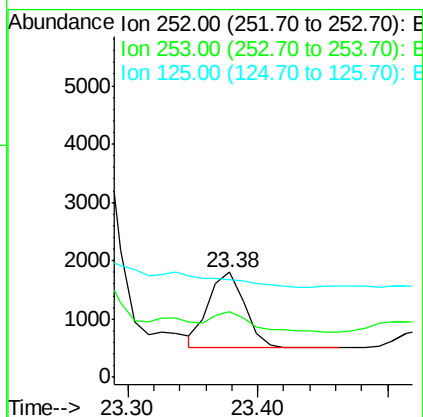
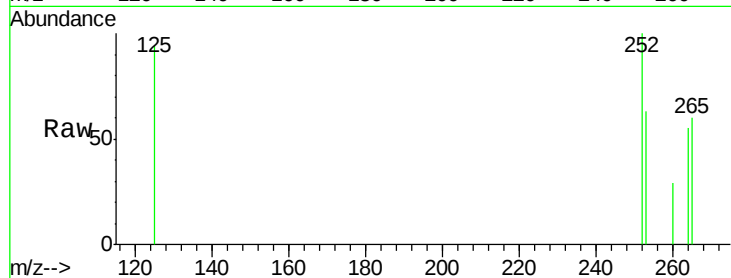
Tgt Ion:252 Resp: 2501

Ion Ratio Lower Upper

252 100

253 62.7 28.5 42.7#

125 93.6 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng/ul

RT: 25.71 min Scan# 1760

Delta R.T. -0.04 min

Lab File: BM008522.D

Acq: 21 Dec 2016 18:11

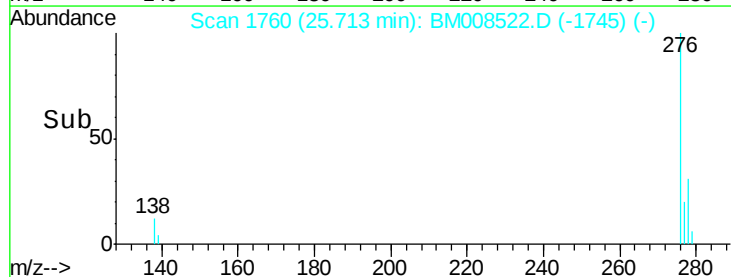
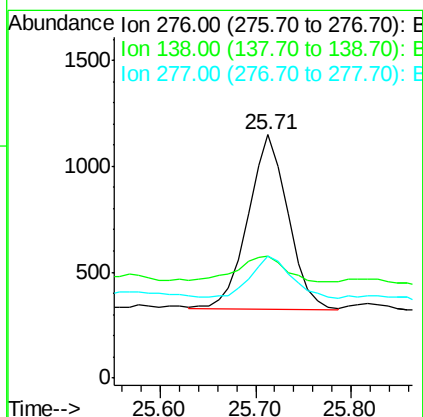
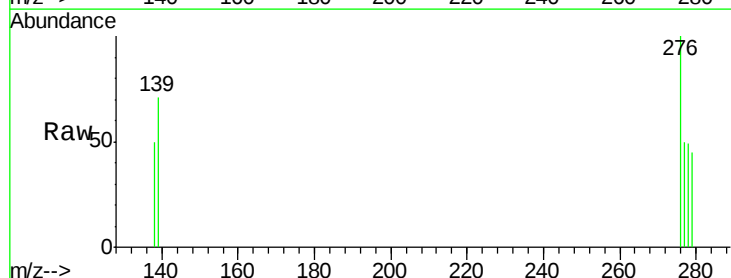
Tgt Ion:276 Resp: 2419

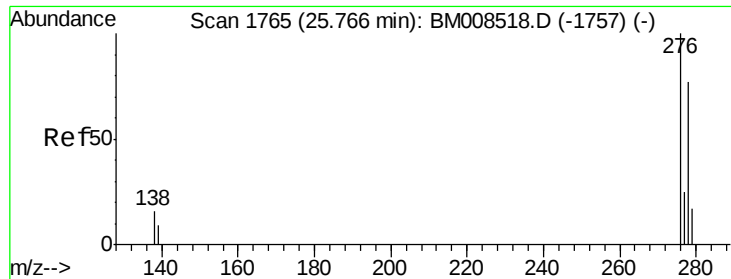
Ion Ratio Lower Upper

276 100

138 18.4 19.1 28.7#

277 24.8 19.6 29.4





#25

Dibenzo(a,h)anthracene

Concen: 0.25 ng/ul

RT: 25.70 min Scan# 1759

Delta R.T. -0.06 min

Lab File: BM008522.D

Acq: 21 Dec 2016 18:11

Instrument :

BNA_M

ClientSampled :

DA811

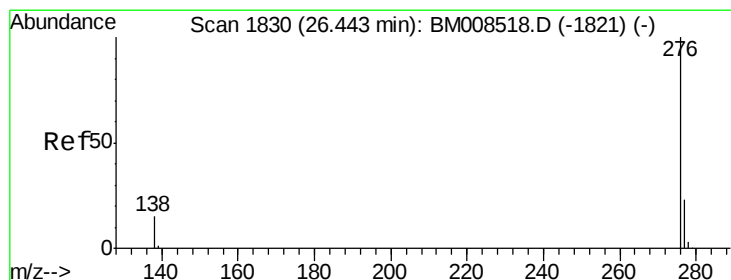
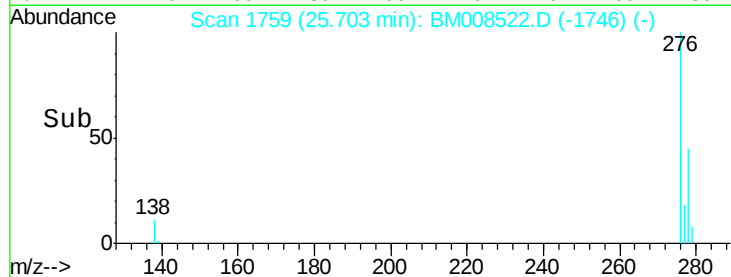
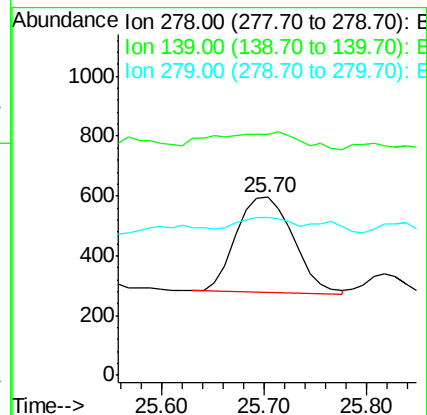
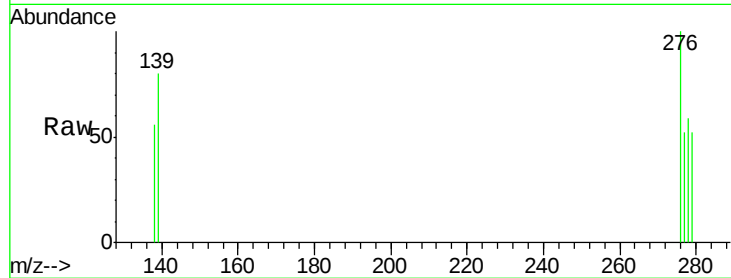
Tgt Ion: 278 Resp: 1234

Ion Ratio Lower Upper

278 100

139 135.1 17.4 26.0#

279 88.4 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.84 ng/ul

RT: 26.40 min Scan# 1826

Delta R.T. -0.04 min

Lab File: BM008522.D

Acq: 21 Dec 2016 18:11

Tgt Ion: 276 Resp: 4521

Ion Ratio Lower Upper

276 100

277 39.8 21.8 32.8#

138 37.9 20.5 30.7#

