

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008521.D
 Acq On : 21 Dec 2016 17:34
 Operator : UM/SJ
 Sample : H5995-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA880

Quant Time: Dec 22 00:28:12 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	409	0.40	ng/ul	-0.08
2) Naphthalene-d8	10.43	136	1325	0.40	ng/ul	-0.07
6) Acenaphthene-d10	14.30	164	817	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.14	188	89541	0.40	ng/ul	0.05
16) Chrysene-d12	21.25	240	1550	0.40	ng/ul	-0.03
20) Perylene-d12	23.33	264	77601	0.40	ng/ul	-0.19

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	503	0.25	ng/ul	-0.08
14) Fluoranthene-d10	19.18	212	54	0.00	ng/ul	0.06

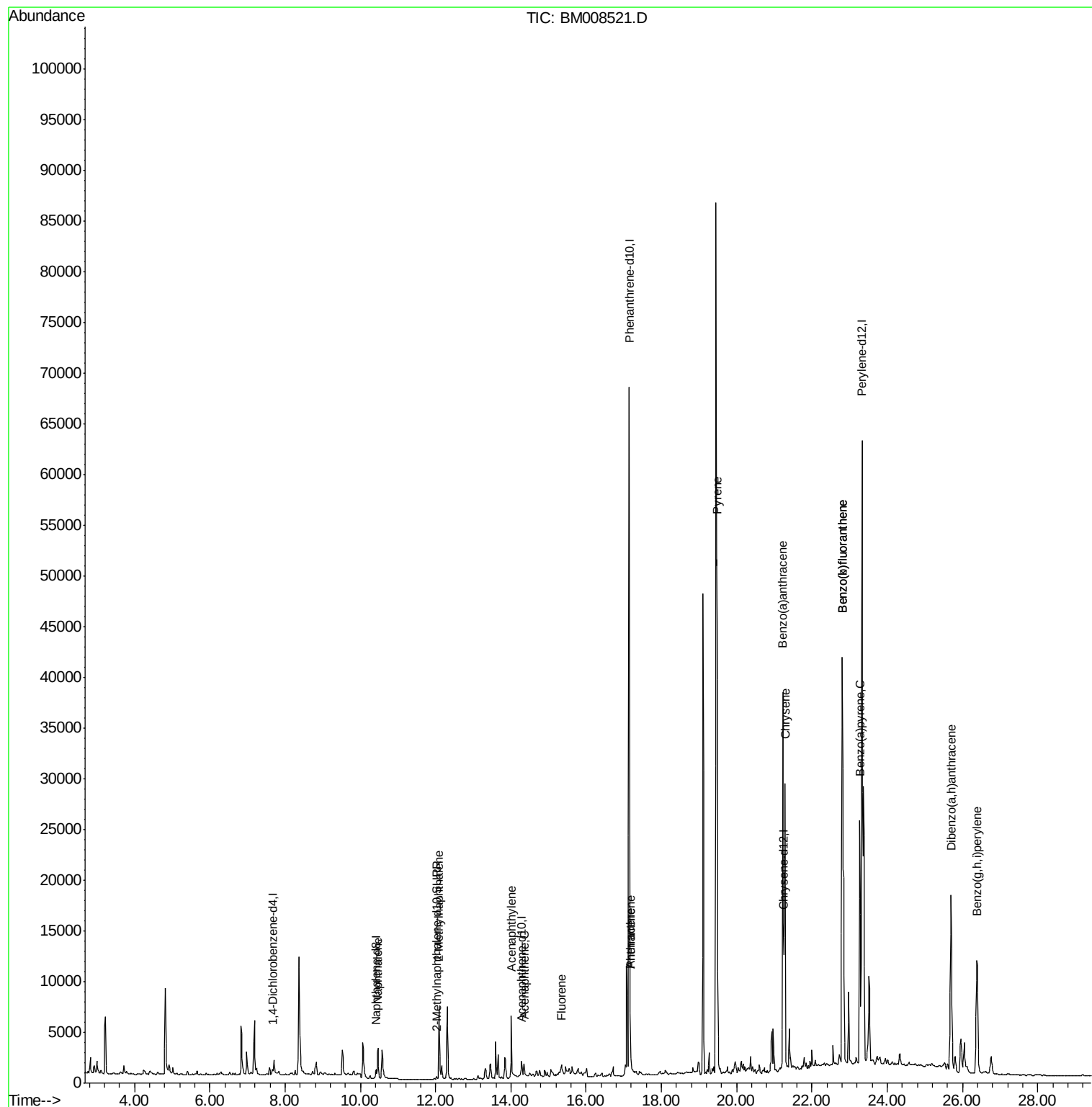
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	4643	1.25	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	5954	2.37	ng/ul	93
7) Acenaphthylene	14.01	152	4644	1.26	ng/ul	97
8) Acenaphthene	14.35	153	878	0.32	ng/ul	97
9) Fluorene	15.34	166	810	0.26	ng/ul#	65
12) Phenanthrene	17.18	178	5847	0.02	ng/ul	94
13) Anthracene	17.18	178	5750	0.02	ng/ul	96
17) Pyrene	19.47	202	51061	8.52	ng/ul	96
18) Benzo(a)anthracene	21.23	228	36953	7.26	ng/ul	98
19) Chrysene	21.28	228	30219	5.42	ng/ul	99
21) Benzo(b)fluoranthene	22.80	252	56753	0.19	ng/ul	82
22) Benzo(k)fluoranthene	22.80	252	87956	0.30	ng/ul#	84
23) Benzo(a)pyrene	23.27	252	31850	0.11	ng/ul#	78
25) Dibenzo(a,h)anthracene	25.69	278	6794	0.03	ng/ul	95
26) Benzo(g,h,i)perylene	26.38	276	17641	0.06	ng/ul#	89

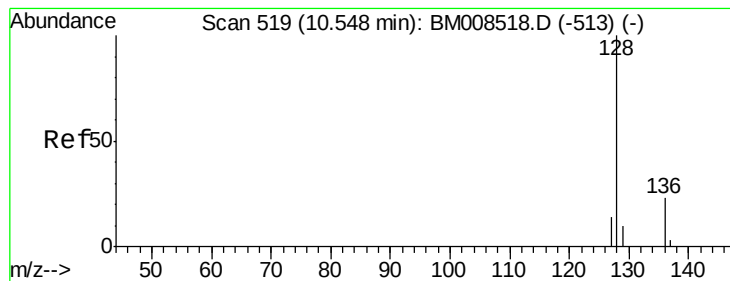
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.25 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.07 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Instrument :

BNA_M

ClientSampleId :

DA880

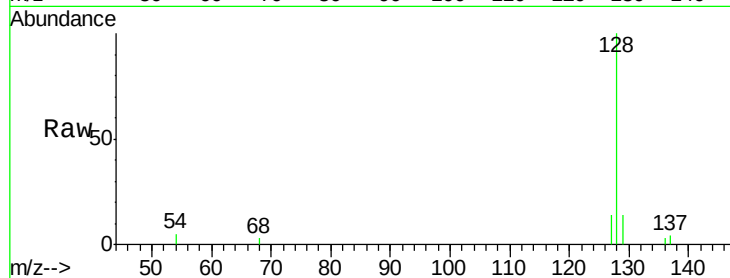
Tgt Ion:128 Resp: 4643

Ion Ratio Lower Upper

128 100

129 14.0 11.3 16.9

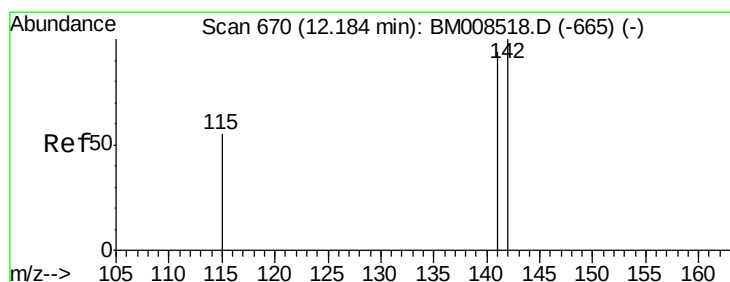
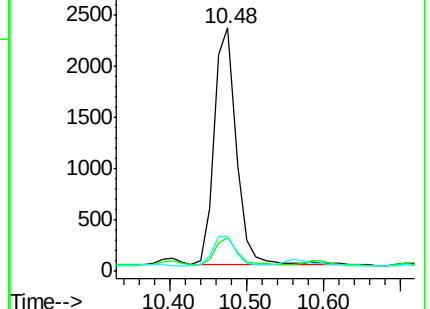
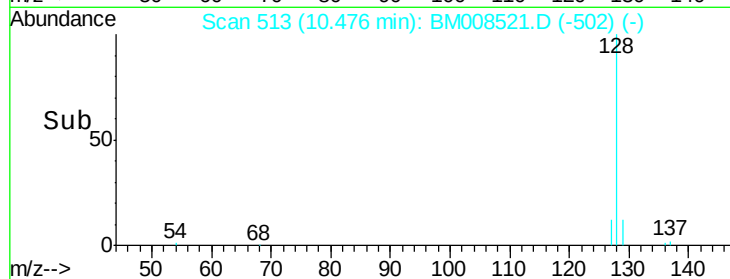
127 14.3 12.8 19.2



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: 2.37 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.09 min

Lab File: BM008521.D

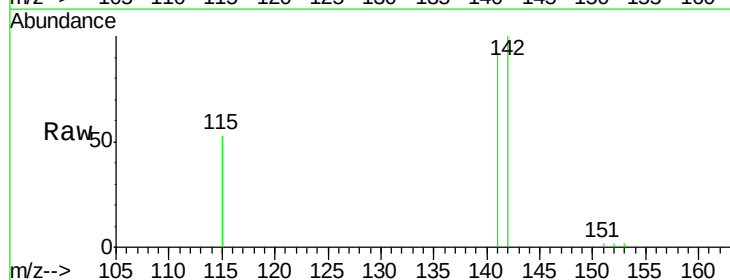
Acq: 21 Dec 2016 17:34

Tgt Ion:142 Resp: 5954

Ion Ratio Lower Upper

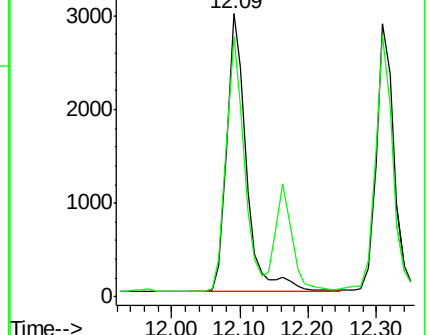
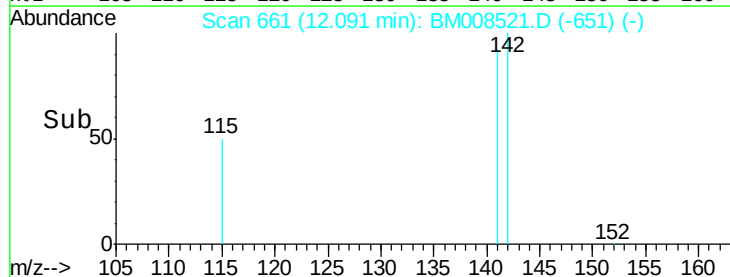
142 100

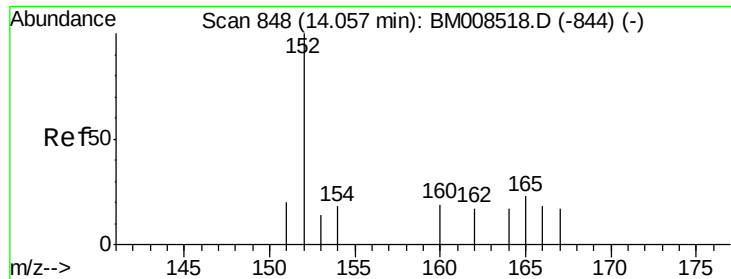
141 83.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.26 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.05 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Instrument :

BNA_M

ClientSampleId :

DA880

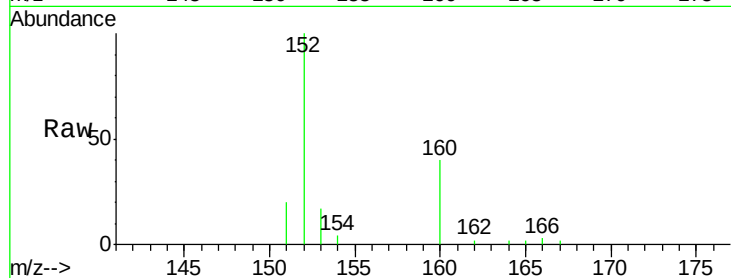
Tgt Ion:152 Resp: 4644

Ion Ratio Lower Upper

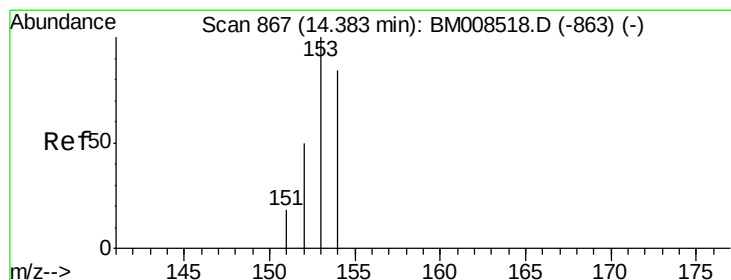
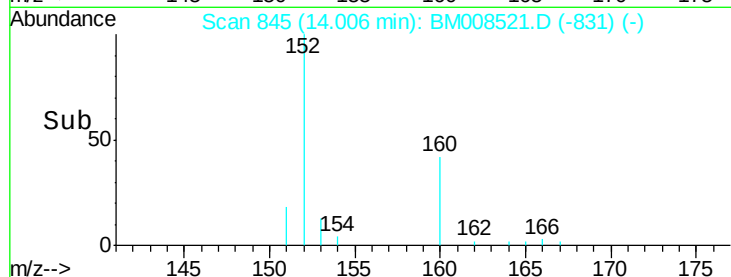
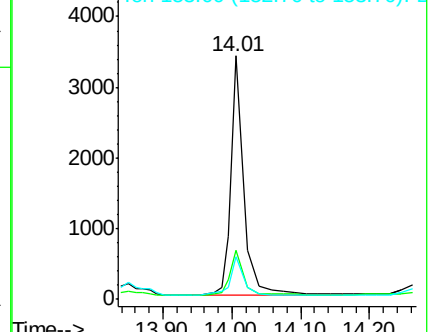
152 100

151 20.1 17.1 25.7

153 17.3 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: 0.32 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.03 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

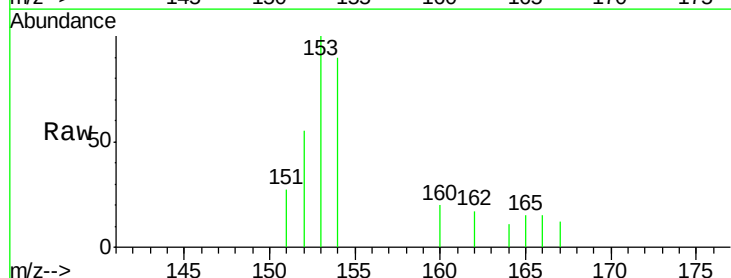
Tgt Ion:153 Resp: 878

Ion Ratio Lower Upper

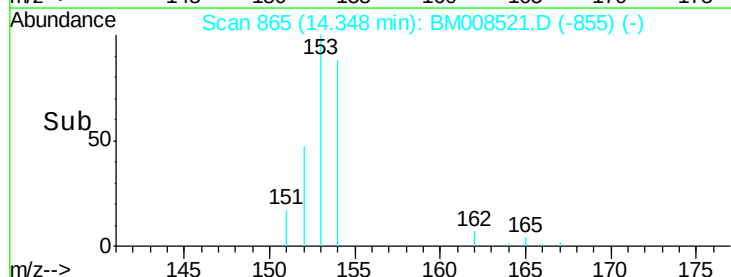
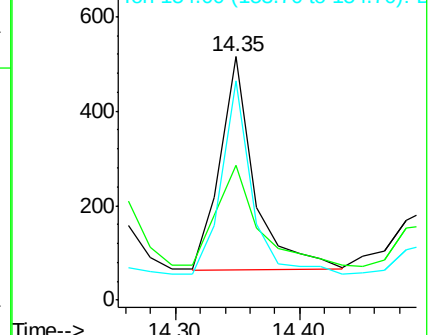
153 100

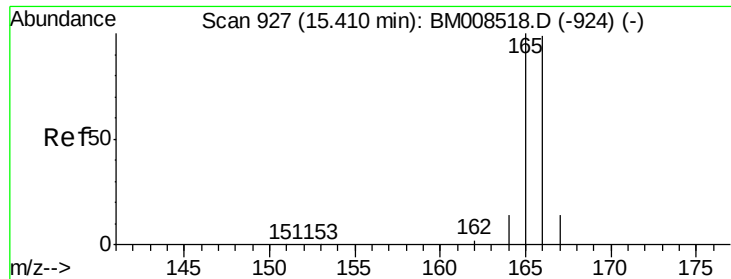
152 55.3 40.3 60.5

154 90.3 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

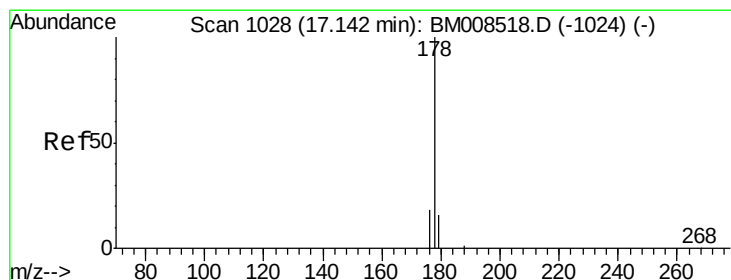
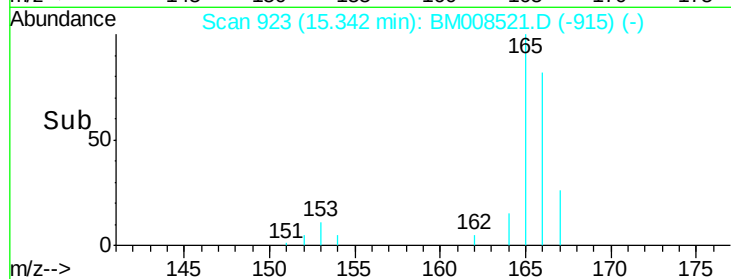
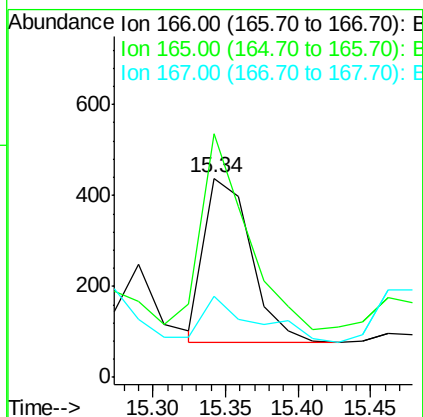
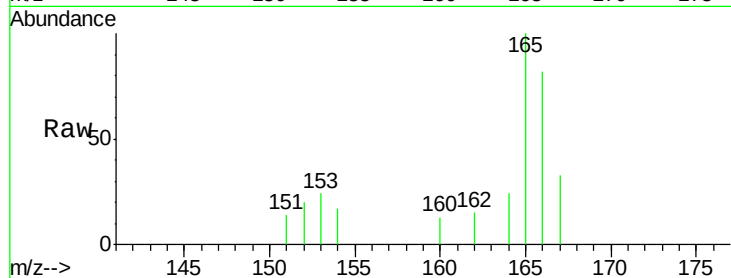




#9
Fluorene
 Concen: 0.26 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. -0.07 min
 Lab File: BM008521.D
 Acq: 21 Dec 2016 17:34

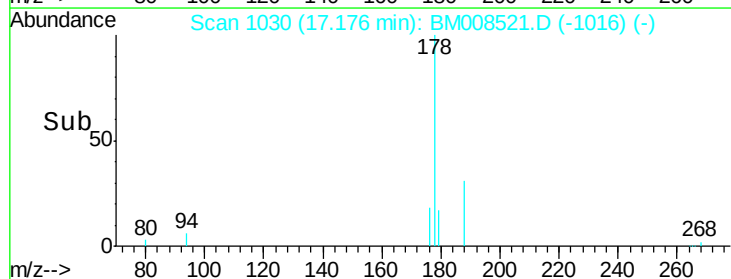
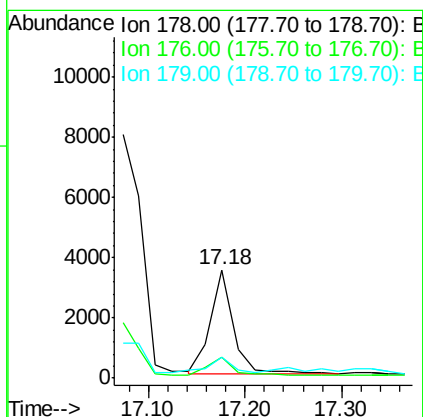
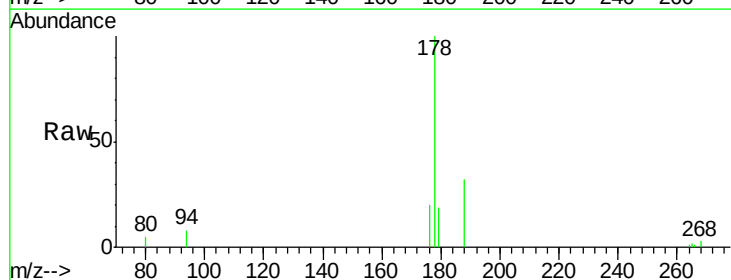
Instrument :
 BNA_M
 ClientSampleId :
 DA880

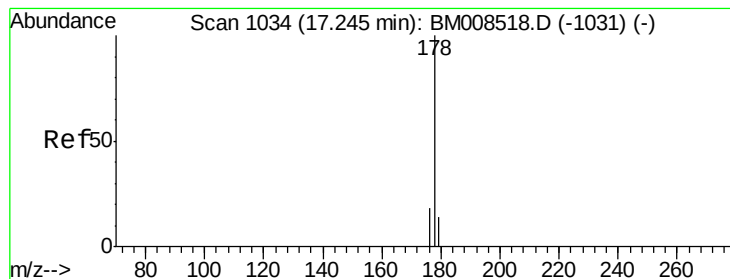
Tgt Ion:166 Resp: 810
 Ion Ratio Lower Upper
 166 100
 165 122.4 73.4 110.2#
 167 40.4 14.6 22.0#



#12
Phenanthrene
 Concen: 0.02 ng/ul
 RT: 17.18 min Scan# 1030
 Delta R.T. 0.03 min
 Lab File: BM008521.D
 Acq: 21 Dec 2016 17:34

Tgt Ion:178 Resp: 5847
 Ion Ratio Lower Upper
 178 100
 176 19.8 18.4 27.6
 179 19.3 13.6 20.4





#13

Anthracene

Concen: 0.02 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.07 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Instrument :

BNA_M

ClientSampleId :

DA880

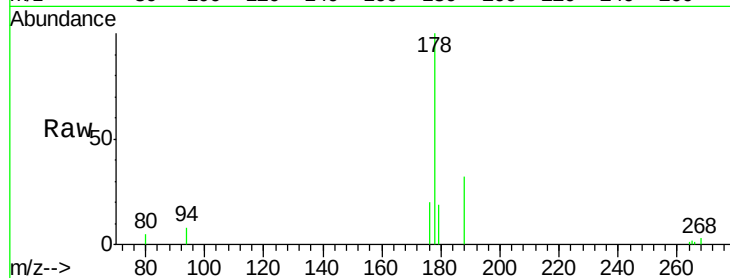
Tgt Ion:178 Resp: 5750

Ion Ratio Lower Upper

178 100

176 19.8 18.1 27.1

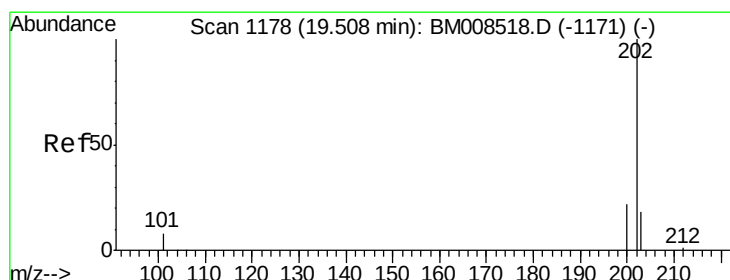
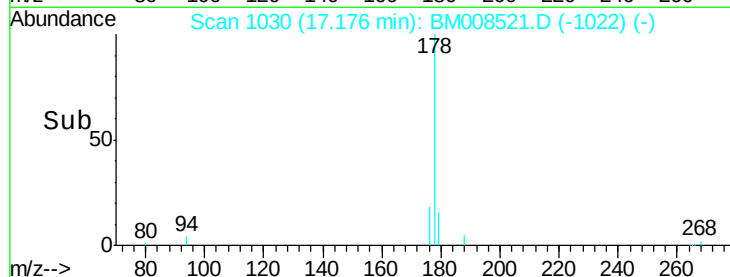
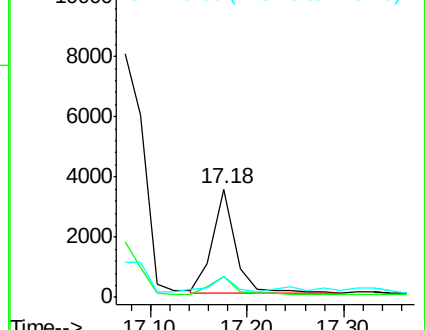
179 19.3 14.7 22.1



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



#17

Pyrene

Concen: 8.52 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. -0.04 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

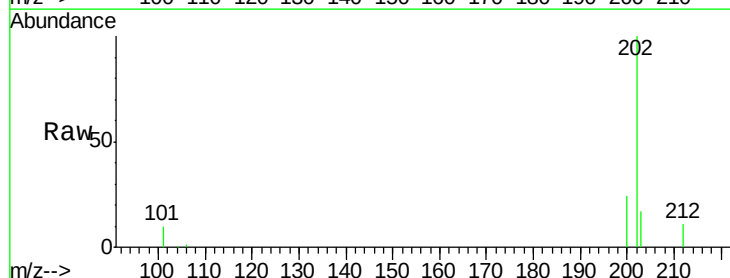
Tgt Ion:202 Resp: 51061

Ion Ratio Lower Upper

202 100

200 23.6 18.2 27.4

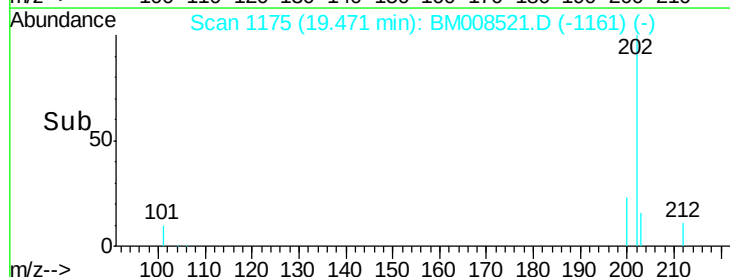
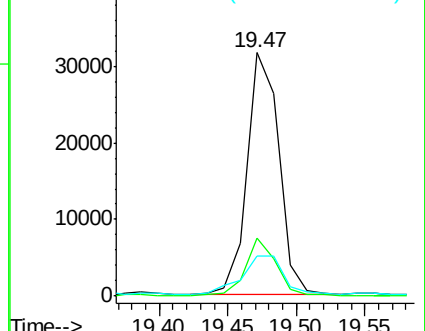
203 16.6 15.6 23.4

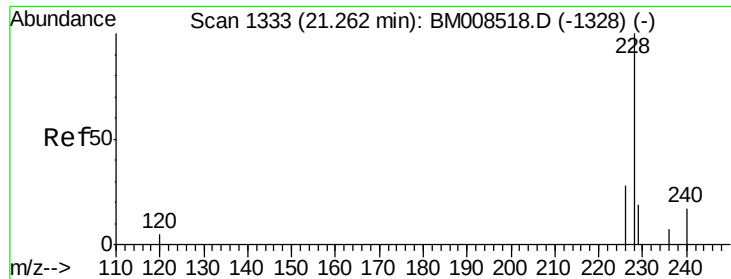


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 7.26 ng/ul

RT: 21.23 min Scan# 1330

Delta R.T. -0.03 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Instrument :

BNA_M

ClientSampleId :

DA880

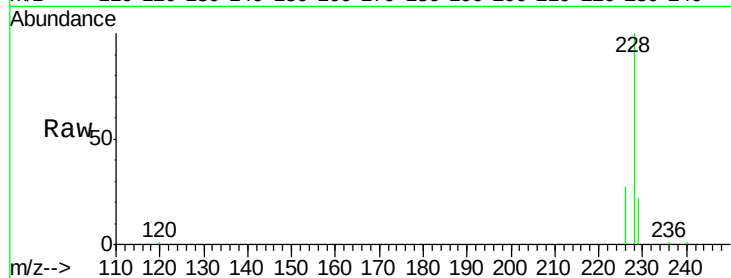
Tgt Ion:228 Resp: 36953

Ion Ratio Lower Upper

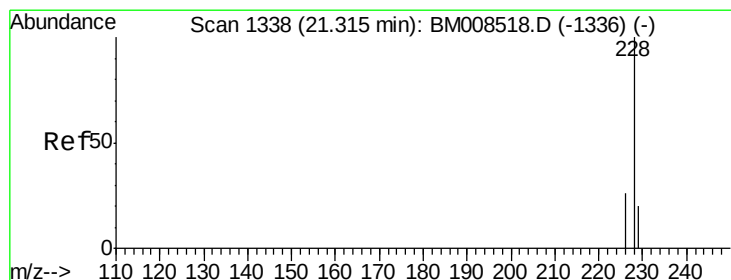
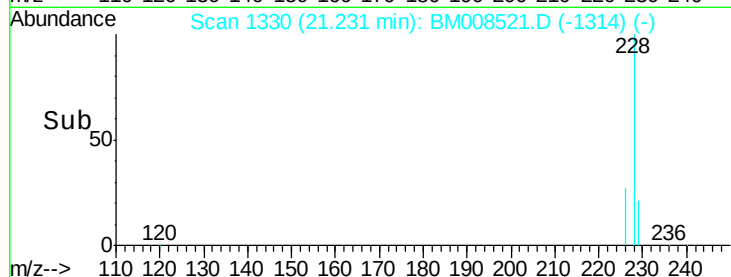
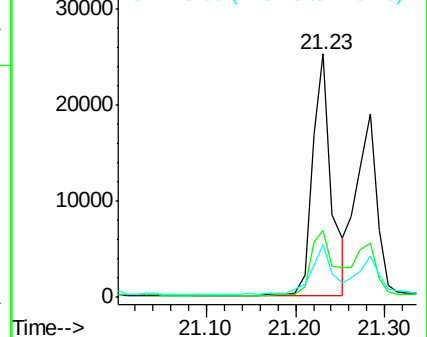
228 100

226 27.3 22.8 34.2

229 22.0 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: 5.42 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.03 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

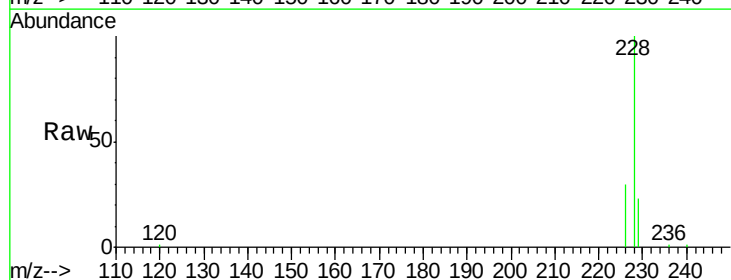
Tgt Ion:228 Resp: 30219

Ion Ratio Lower Upper

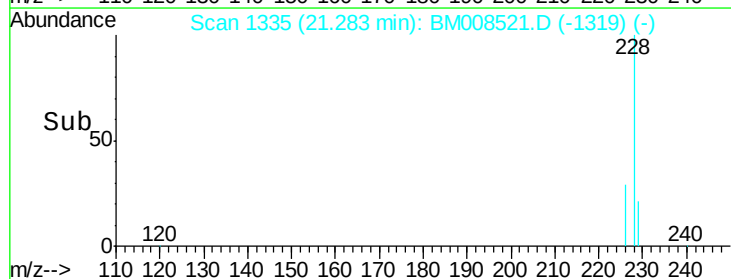
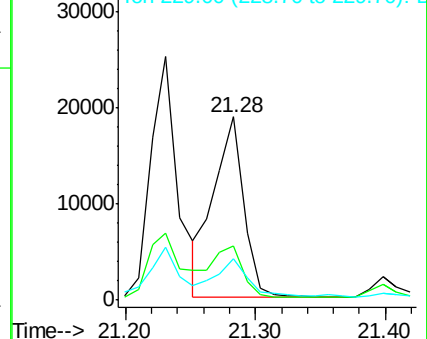
228 100

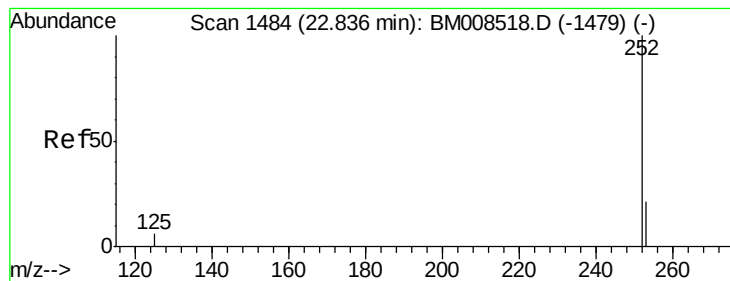
226 29.9 23.4 35.0

229 22.5 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: 0.19 ng/ul

RT: 22.80 min Scan# 1481

Delta R.T. -0.03 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Instrument :

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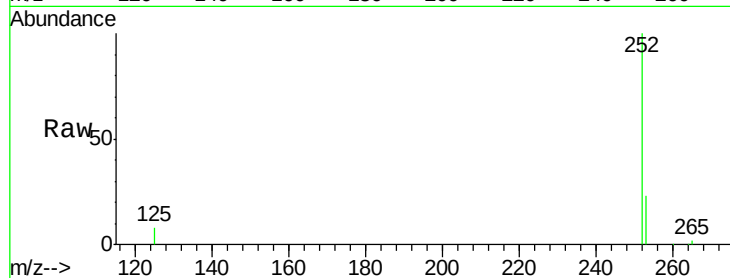
Tgt Ion:252 Resp: 56753

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

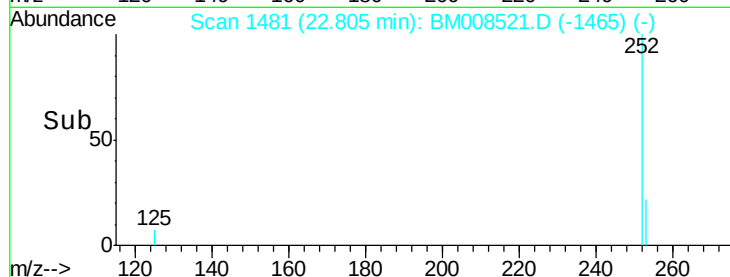
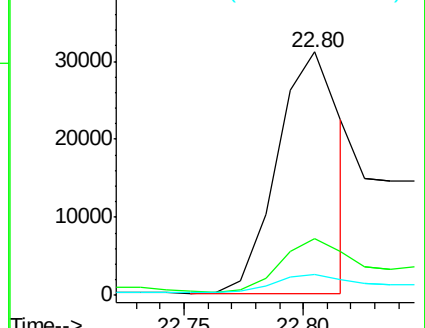
125 8.4 0.0 35.0



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: 0.30 ng/ul

RT: 22.80 min Scan# 1481

Delta R.T. -0.07 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

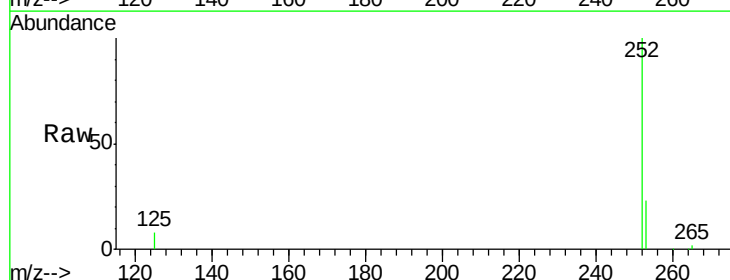
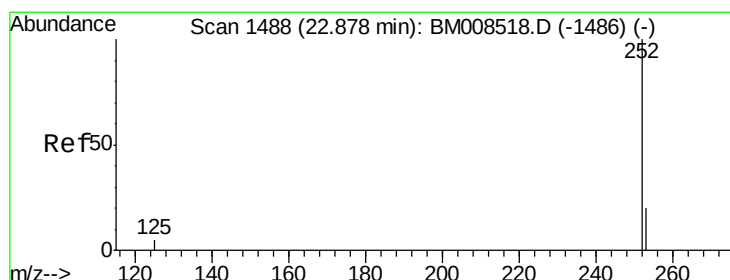
Tgt Ion:252 Resp: 87956

Ion Ratio Lower Upper

252 100

253 23.2 24.5 36.7#

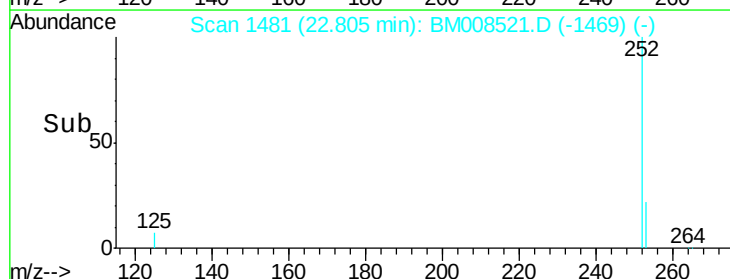
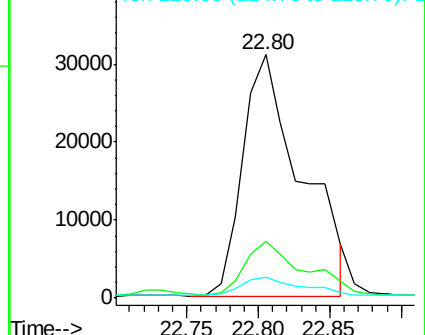
125 8.4 13.7 20.5#

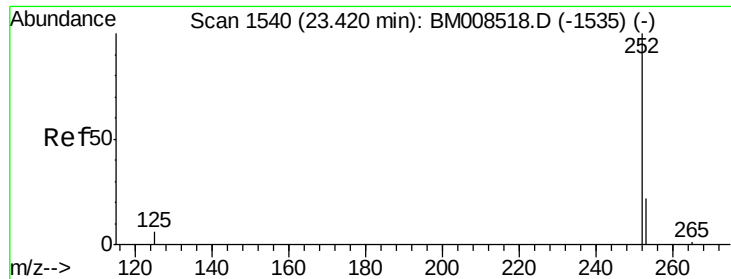


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.11 ng/ul

RT: 23.27 min Scan# 1526

Delta R.T. -0.15 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Instrument :

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DA880

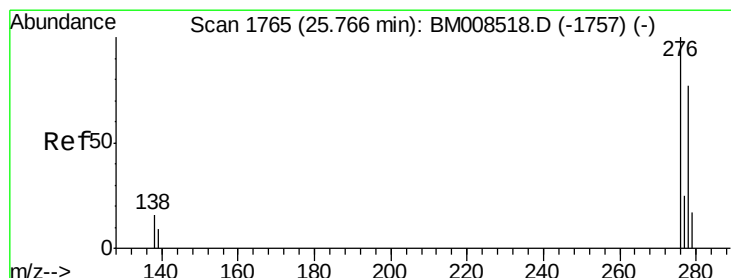
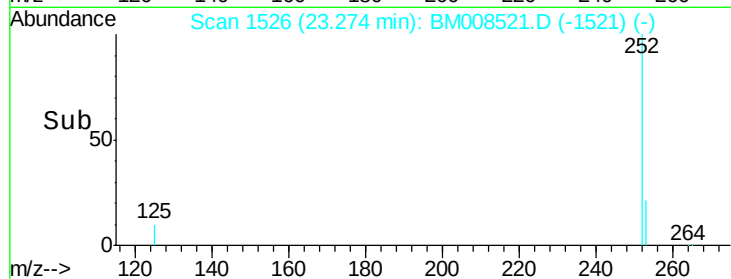
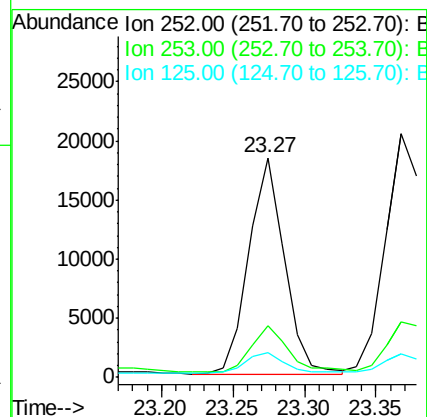
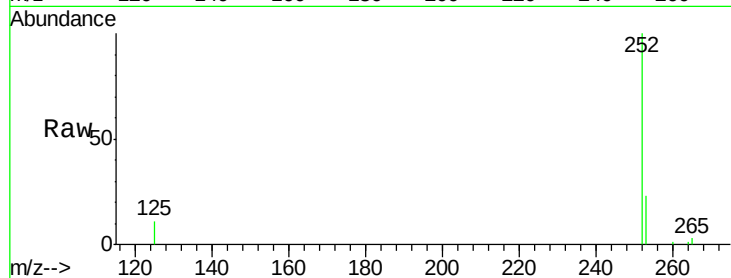
Tgt Ion: 252 Resp: 31850

Ion Ratio Lower Upper

252 100

253 23.4 28.5 42.7#

125 11.4 18.1 27.1#



#25

Dibenzo(a,h)anthracene

Concen: 0.03 ng/ul

RT: 25.69 min Scan# 1758

Delta R.T. -0.07 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

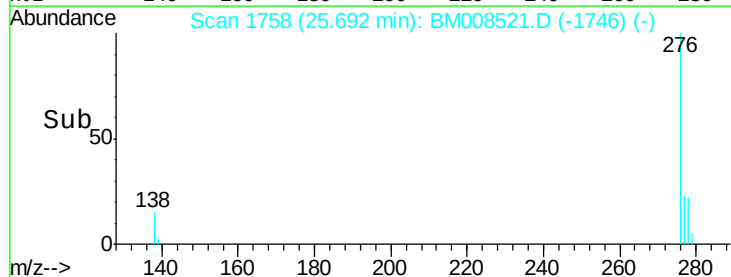
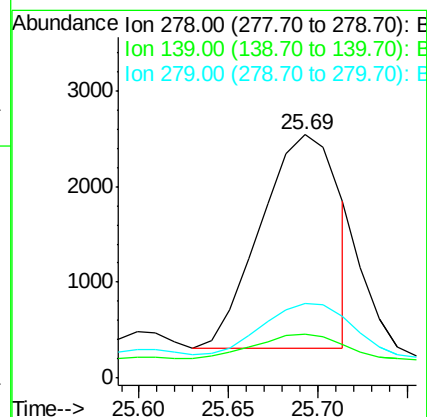
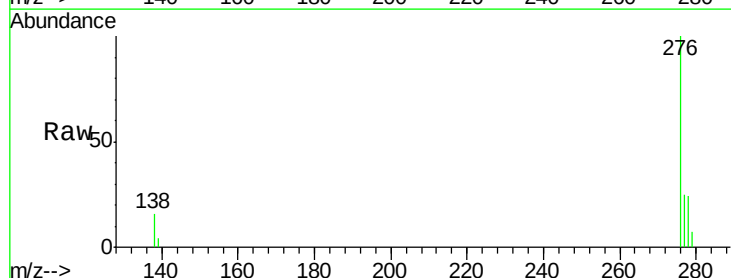
Tgt Ion: 278 Resp: 6794

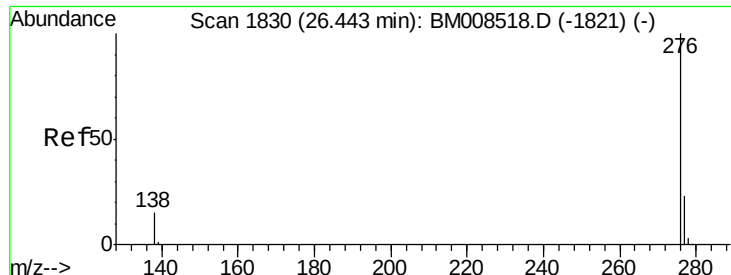
Ion Ratio Lower Upper

278 100

139 18.2 17.4 26.0

279 30.7 25.9 38.9





#26

Benzo(g,h,i)perylene

Concen: 0.06 ng/ul

RT: 26.38 min Scan# 1824

Delta R.T. -0.06 min

Lab File: BM008521.D

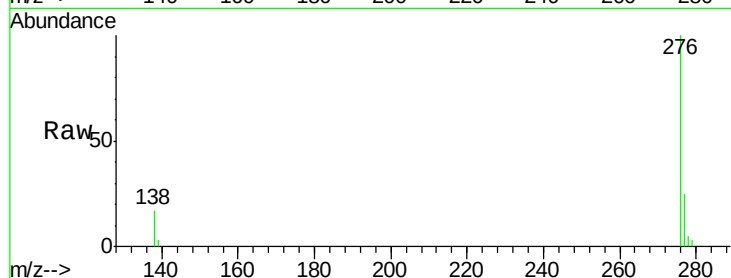
Acq: 21 Dec 2016 17:34

Instrument :

BNA_M

ClientSampleId :

DA880



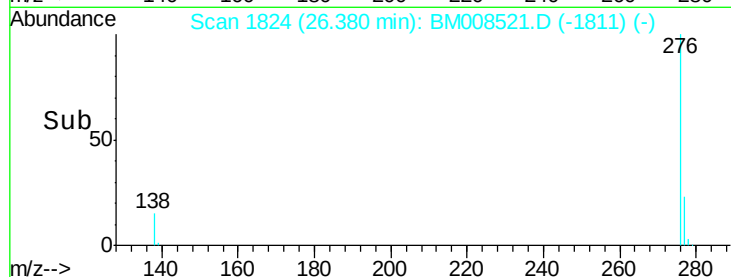
Tgt Ion: 276 Resp: 17641

Ion Ratio Lower Upper

276 100

277 24.7 21.8 32.8

138 16.5 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

