

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080915\
 Data File : BM002308.D
 Acq On : 09 Aug 2015 10:54
 Operator : TP/UM
 Sample : G3161-13
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 10 05:36:03 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 10 05:35:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	280465	20.00	ng/ul	0.00
2) Naphthalene-d8	11.79	136	1355523	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	706924	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1405286	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	1131057	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	983457	20.00	ng/ul	0.00

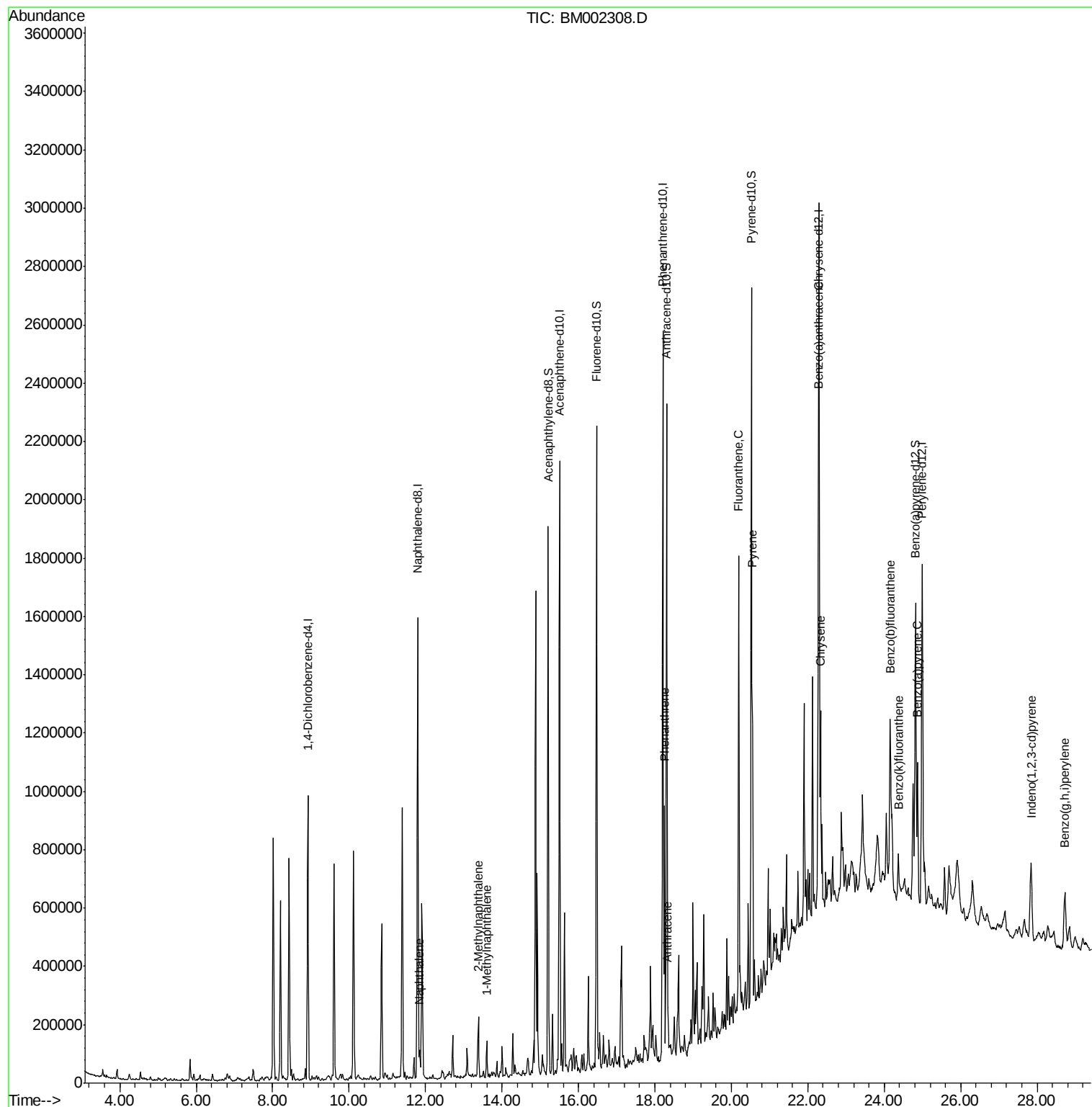
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.20	160	1353155	18.48	ng/ul	0.00
10) Fluorene-d10	16.47	176	897716	17.63	ng/ul	0.00
14) Anthracene-d10	18.30	188	1264326	18.54	ng/ul	0.00
18) Pyrene-d10	20.52	212	1149935	20.96	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	850060	16.28	ng/ul	0.00

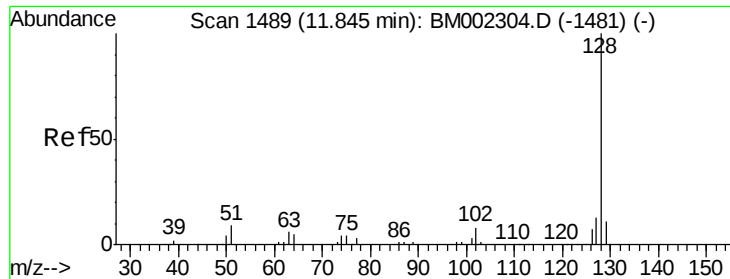
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.85	128	82031	1.15	ng/ul	99
4) 2-Methylnaphthalene	13.39	142	85945	1.69	ng/ul	98
5) 1-Methylnaphthalene	13.60	142	56174	1.12	ng/ul	96
13) Phenanthrene	18.25	178	500946	6.19	ng/ul	99
15) Anthracene	18.34	178	99512	1.19	ng/ul	99
16) Fluoranthene	20.19	202	915438	10.22	ng/ul	98
19) Pyrene	20.55	202	740048	10.12	ng/ul	99
20) Benzo(a)anthracene	22.27	228	398549	5.77	ng/ul	98
21) Chrysene	22.33	228	418049	6.39	ng/ul	96
23) Benzo(b)fluoranthene	24.16	252	582598	9.53	ng/ul	97
24) Benzo(k)fluoranthene	24.37	252	75347	1.28	ng/ul#	82
26) Benzo(a)pyrene	24.87	252	373847	6.39	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.84	276	272943	4.07	ng/ul	92
29) Benzo(g,h,i)perylene	28.73	276	260317	4.60	ng/ul	97

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

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#3

Naphthalene

Concen: 1.15 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. -0.00 min

Lab File: BM002308.D

Acq: 09 Aug 2015 10:54

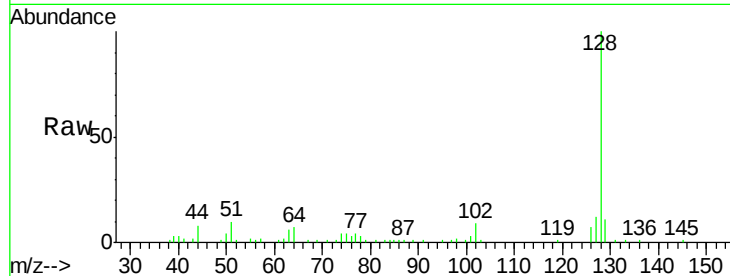
Tgt Ion:128 Resp: 82031

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

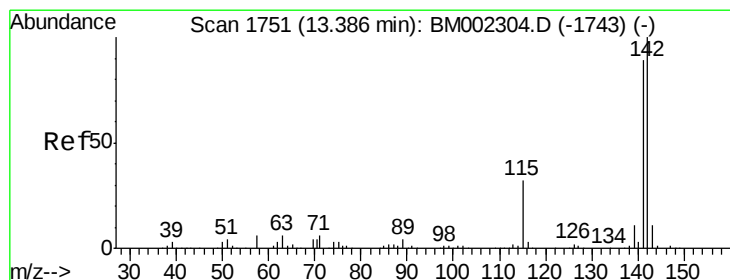
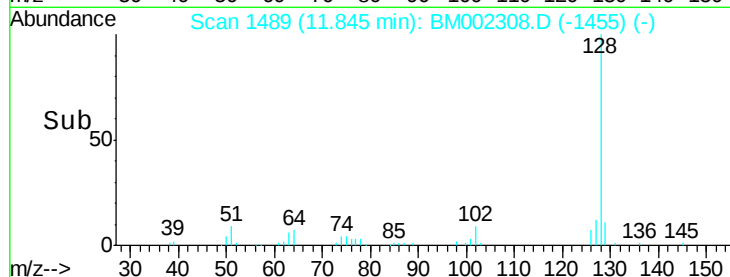
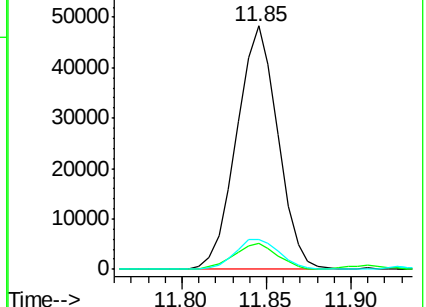
127 12.1 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 1.69 ng/ul

RT: 13.39 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BM002308.D

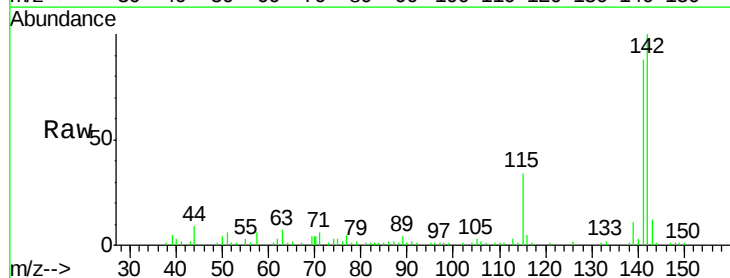
Acq: 09 Aug 2015 10:54

Tgt Ion:142 Resp: 85945

Ion Ratio Lower Upper

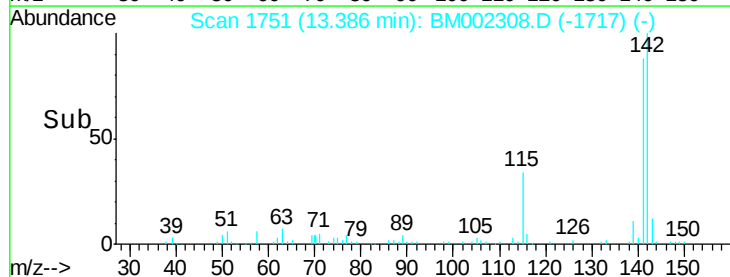
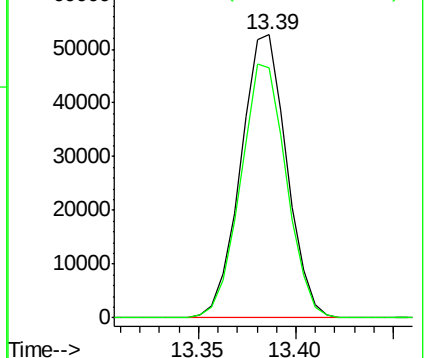
142 100

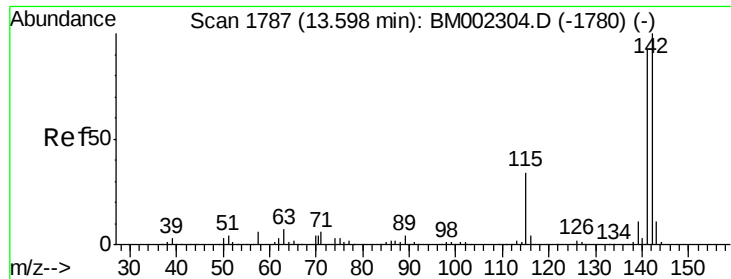
141 88.3 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.12 ng/ul

RT: 13.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BM002308.D

Acq: 09 Aug 2015 10:54

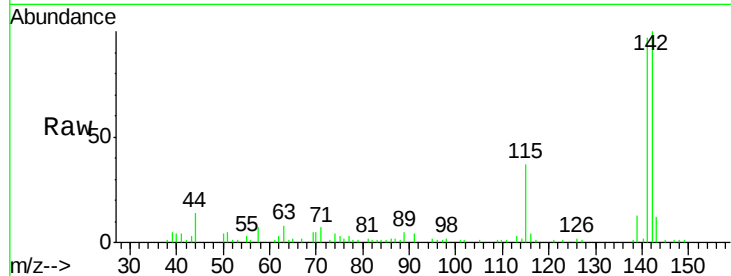
Tgt Ion:142 Resp: 56174

Ion Ratio Lower Upper

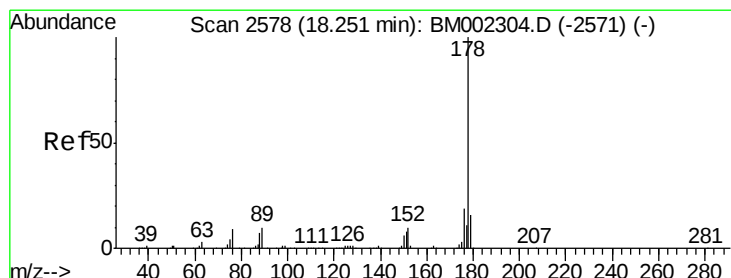
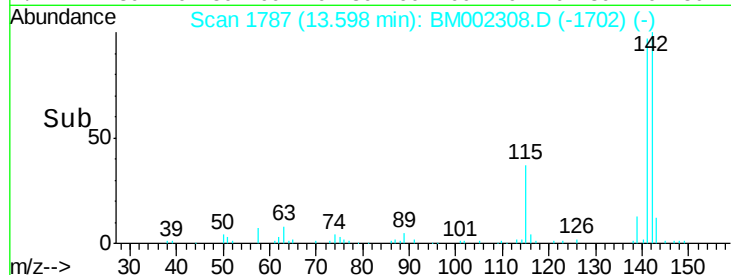
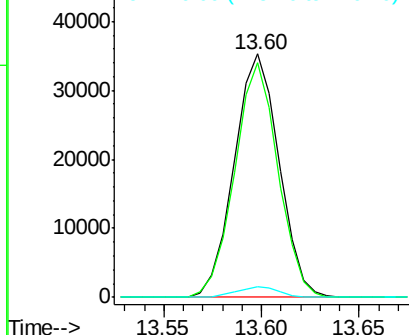
142 100

141 96.6 74.5 111.7

116 4.1 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



#13

Phenanthrene

Concen: 6.19 ng/ul

RT: 18.25 min Scan# 2578

Delta R.T. -0.00 min

Lab File: BM002308.D

Acq: 09 Aug 2015 10:54

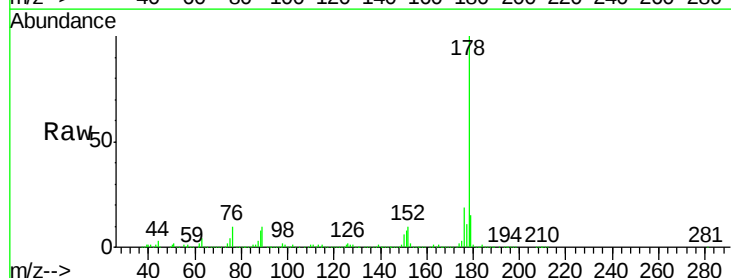
Tgt Ion:178 Resp: 500946

Ion Ratio Lower Upper

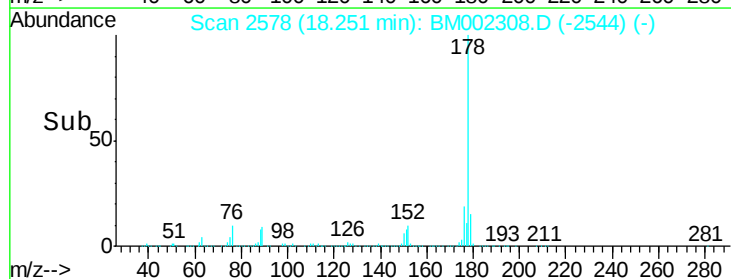
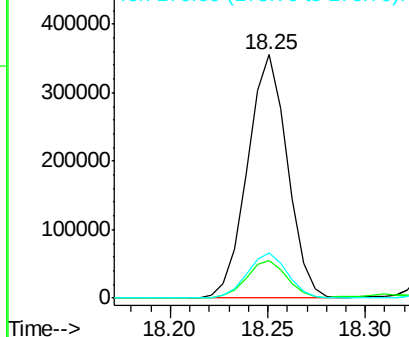
178 100

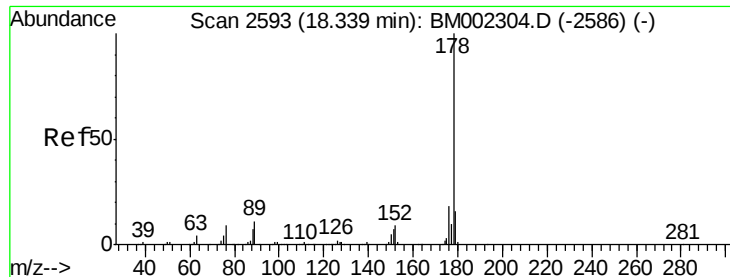
179 15.4 12.3 18.5

176 18.6 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 1.19 ng/ul

RT: 18.34 min Scan# 2593

Delta R.T. -0.00 min

Lab File: BM002308.D

Acq: 09 Aug 2015 10:54

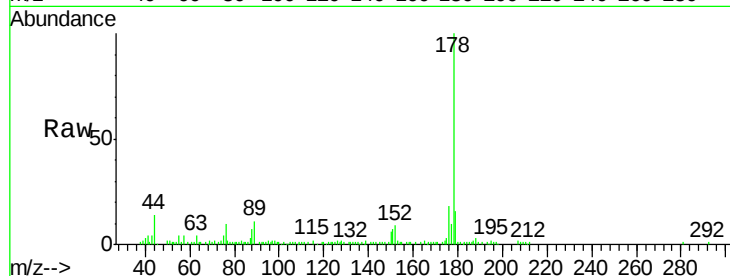
Tgt Ion:178 Resp: 99512

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

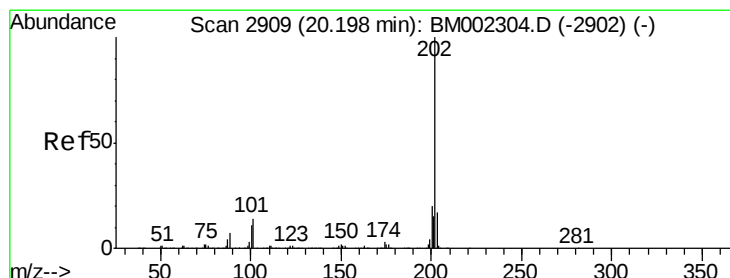
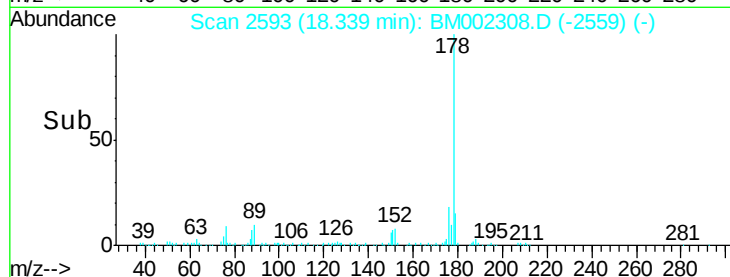
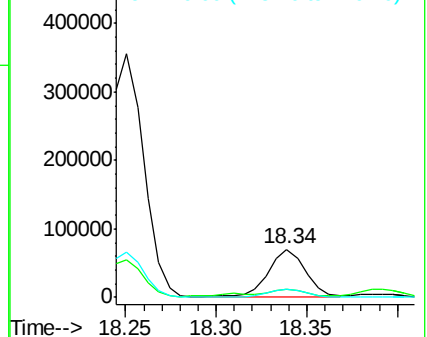
176 17.8 14.5 21.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Fluoranthene

Concen: 10.22 ng/ul

RT: 20.19 min Scan# 2908

Delta R.T. -0.01 min

Lab File: BM002308.D

Acq: 09 Aug 2015 10:54

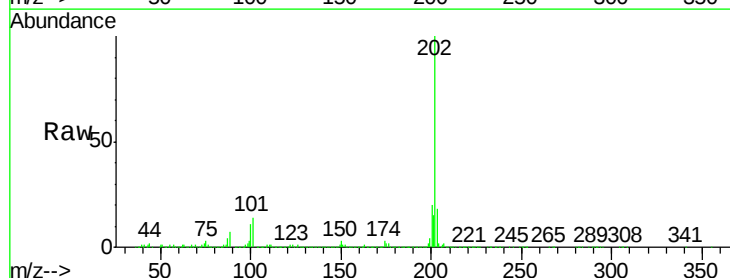
Tgt Ion:202 Resp: 915438

Ion Ratio Lower Upper

202 100

101 14.1 10.6 15.8

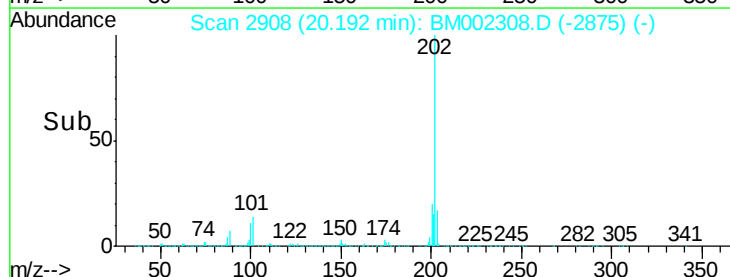
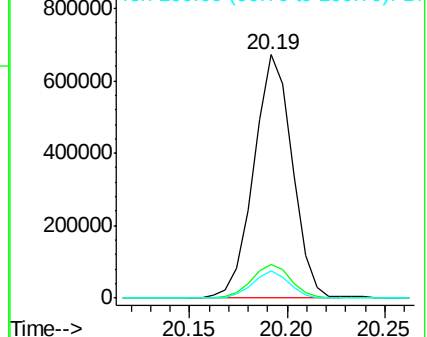
100 11.1 8.2 12.4

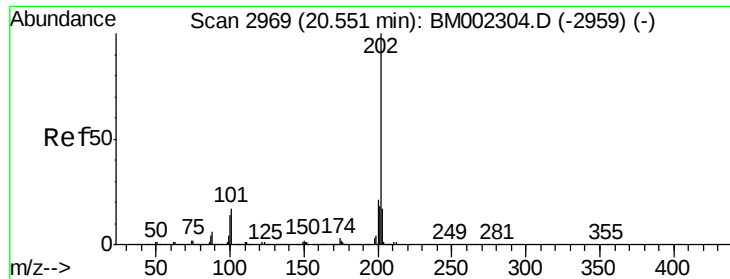


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

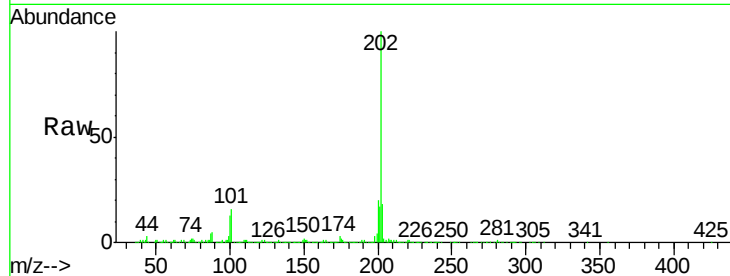
Ion 100.00 (99.70 to 100.70): E



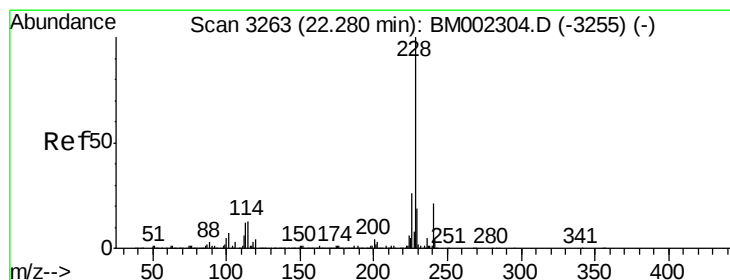
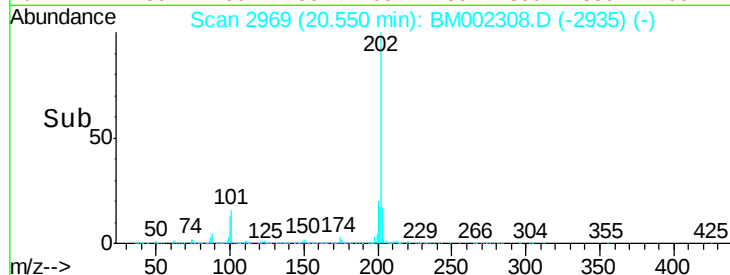
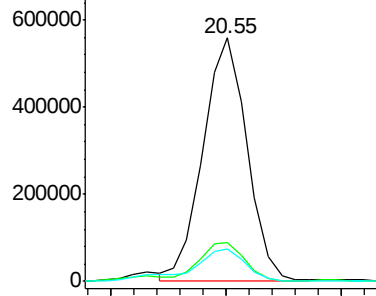


#19
 Pyrene
 Concen: 10.12 ng/ul
 RT: 20.55 min Scan# 2969
 Delta R.T. -0.00 min
 Lab File: BM002308.D
 Acq: 09 Aug 2015 10:54

Tgt Ion:	202	Resp:	740048
Ion	Ratio	Lower	Upper
202	100		
101	15.9	13.0	19.6
100	13.4	11.0	16.4

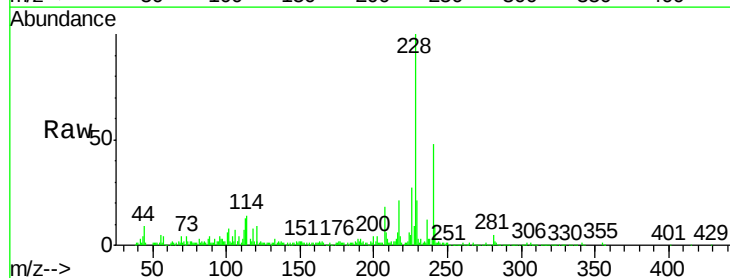


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

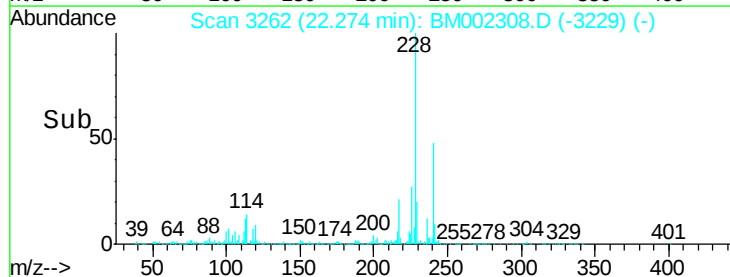
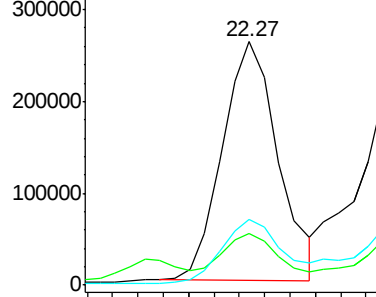


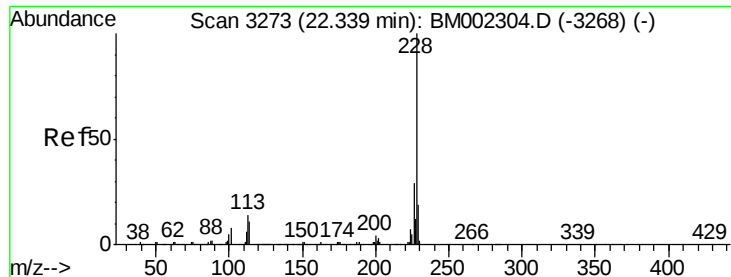
#20
 Benzo(a)anthracene
 Concen: 5.77 ng/ul
 RT: 22.27 min Scan# 3262
 Delta R.T. -0.01 min
 Lab File: BM002308.D
 Acq: 09 Aug 2015 10:54

Tgt Ion:	228	Resp:	398549
Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.7	23.5
226	27.1	21.4	32.0



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





#21

Chrysene

Concen: 6.39 ng/ul

RT: 22.33 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BM002308.D

Acq: 09 Aug 2015 10:54

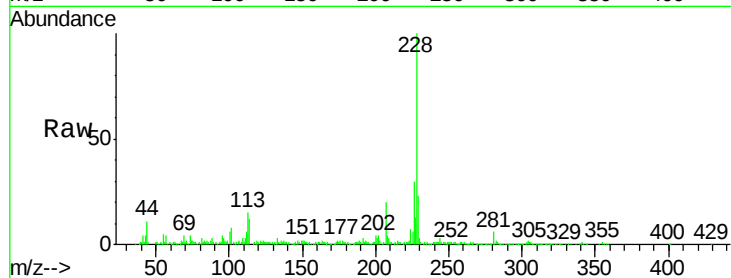
Tgt Ion: 228 Resp: 418049

Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.0

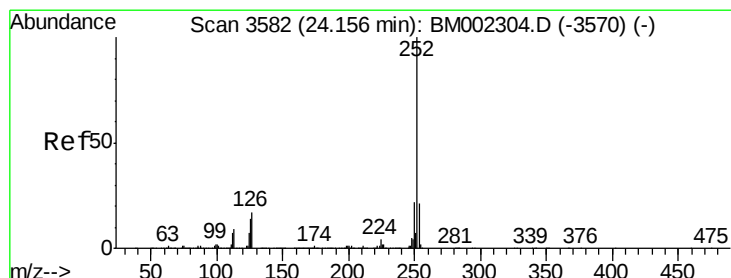
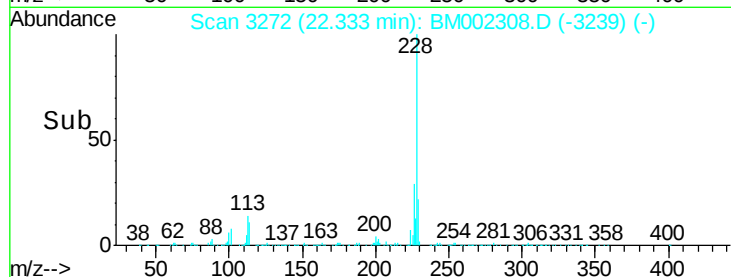
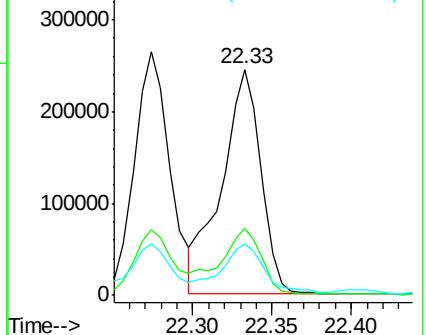
229 23.0 15.5 23.3



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



#23

Benzo(b)fluoranthene

Concen: 9.53 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. -0.00 min

Lab File: BM002308.D

Acq: 09 Aug 2015 10:54

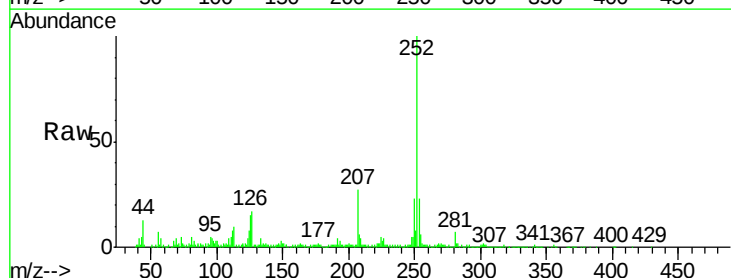
Tgt Ion: 252 Resp: 582598

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

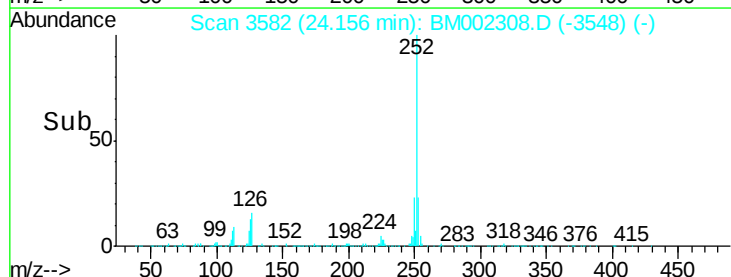
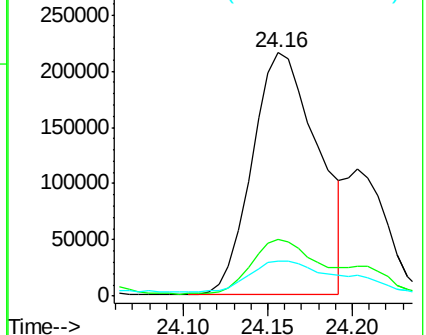
125 14.6 10.3 15.5

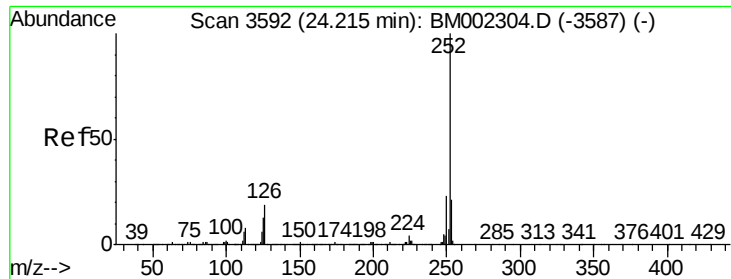


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 1.28 ng/ul

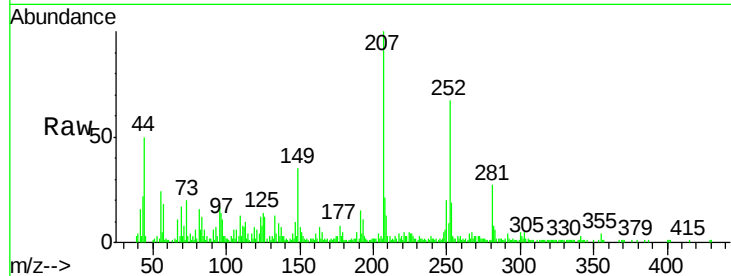
RT: 24.37 min Scan# 3618

Delta R.T. 0.15 min

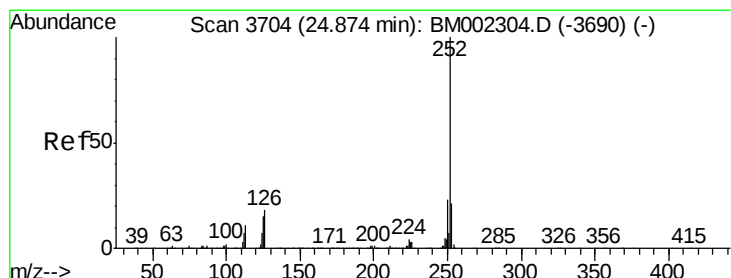
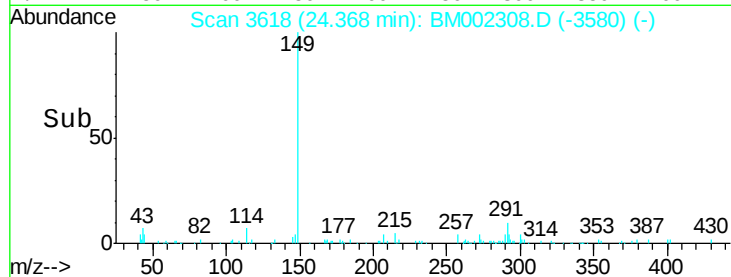
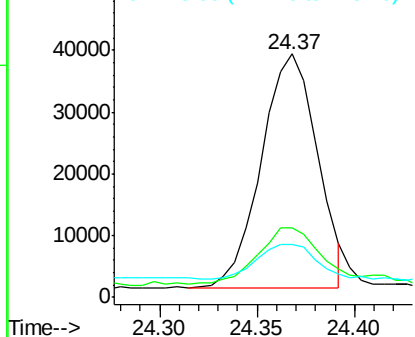
Lab File: BM002308.D

Acq: 09 Aug 2015 10:54

Tgt Ion:	252	Resp:	75347
Ion Ratio	Lower	Upper	
252	100		
253	28.7	17.3	25.9#
125	21.5	10.2	15.4#



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



#26

Benzo(a)pyrene

Concen: 6.39 ng/ul

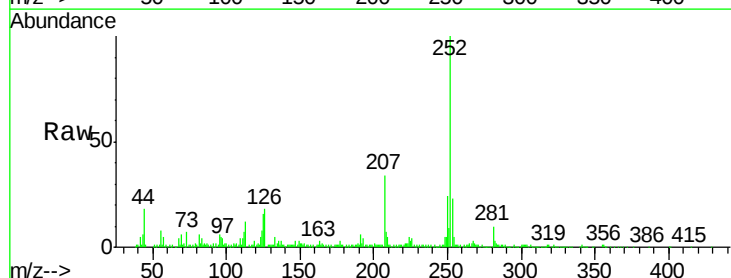
RT: 24.87 min Scan# 3704

Delta R.T. -0.00 min

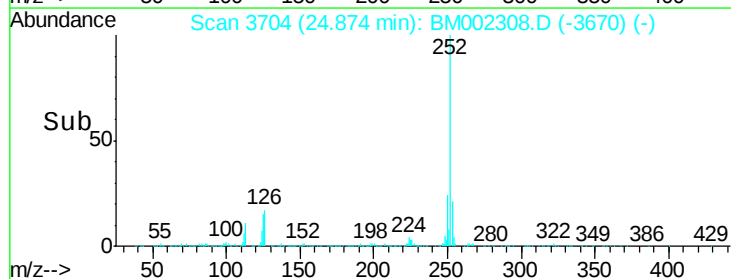
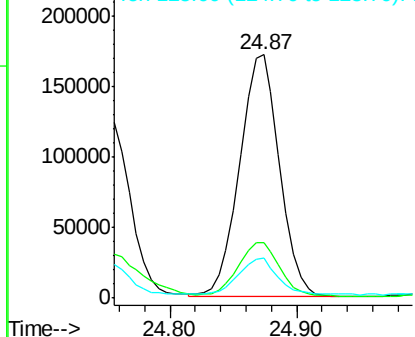
Lab File: BM002308.D

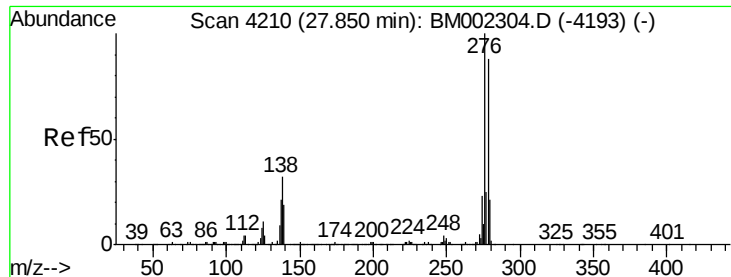
Acq: 09 Aug 2015 10:54

Tgt Ion:	252	Resp:	373847
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.3	25.9
125	16.2	11.0	16.6



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





#27

Indeno(1,2,3-cd)pyrene

Concen: 4.07 ng/ul

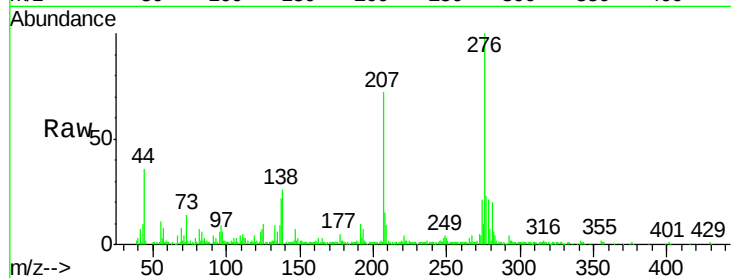
RT: 27.84 min Scan# 4208

Delta R.T. -0.01 min

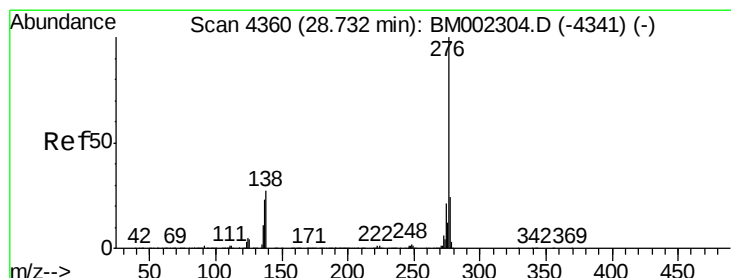
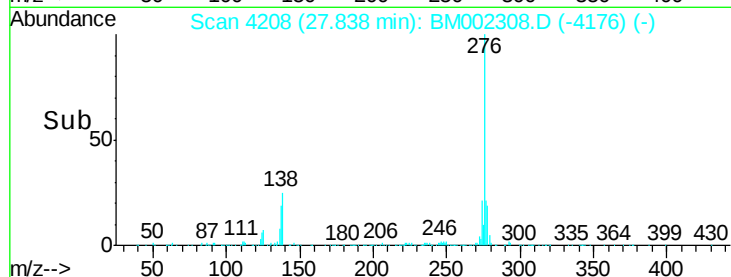
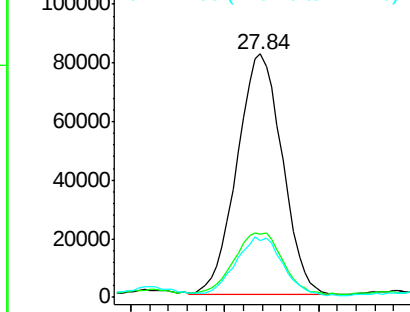
Lab File: BM002308.D

Acq: 09 Aug 2015 10:54

Tgt Ion:	276	Resp:	272943
Ion	Ratio	Lower	Upper
276	100		
138	26.2	25.6	38.4
277	23.2	21.0	31.4



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



#29

Benzo(g,h,i)perylene

Concen: 4.60 ng/ul

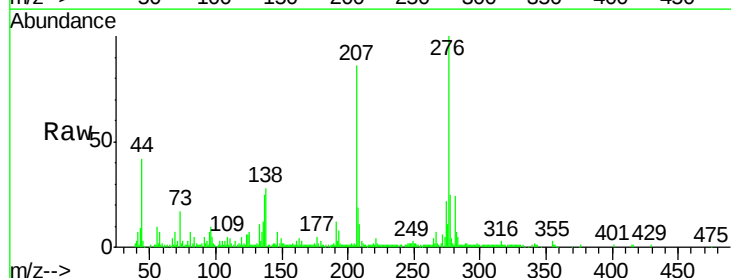
RT: 28.73 min Scan# 4359

Delta R.T. -0.01 min

Lab File: BM002308.D

Acq: 09 Aug 2015 10:54

Tgt Ion:	276	Resp:	260317
Ion	Ratio	Lower	Upper
276	100		
138	27.9	20.5	30.7
277	24.8	19.0	28.6



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

