

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080915\
 Data File : BM002309.D
 Acq On : 09 Aug 2015 11:30
 Operator : TP/UM
 Sample : G3161-14
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 10 05:36:11 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	319314	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	1528745	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	791523	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1561025	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	1223294	20.00	ng/ul	0.00
22) Perylene-d12	25.00	264	1081352	20.00	ng/ul	0.00

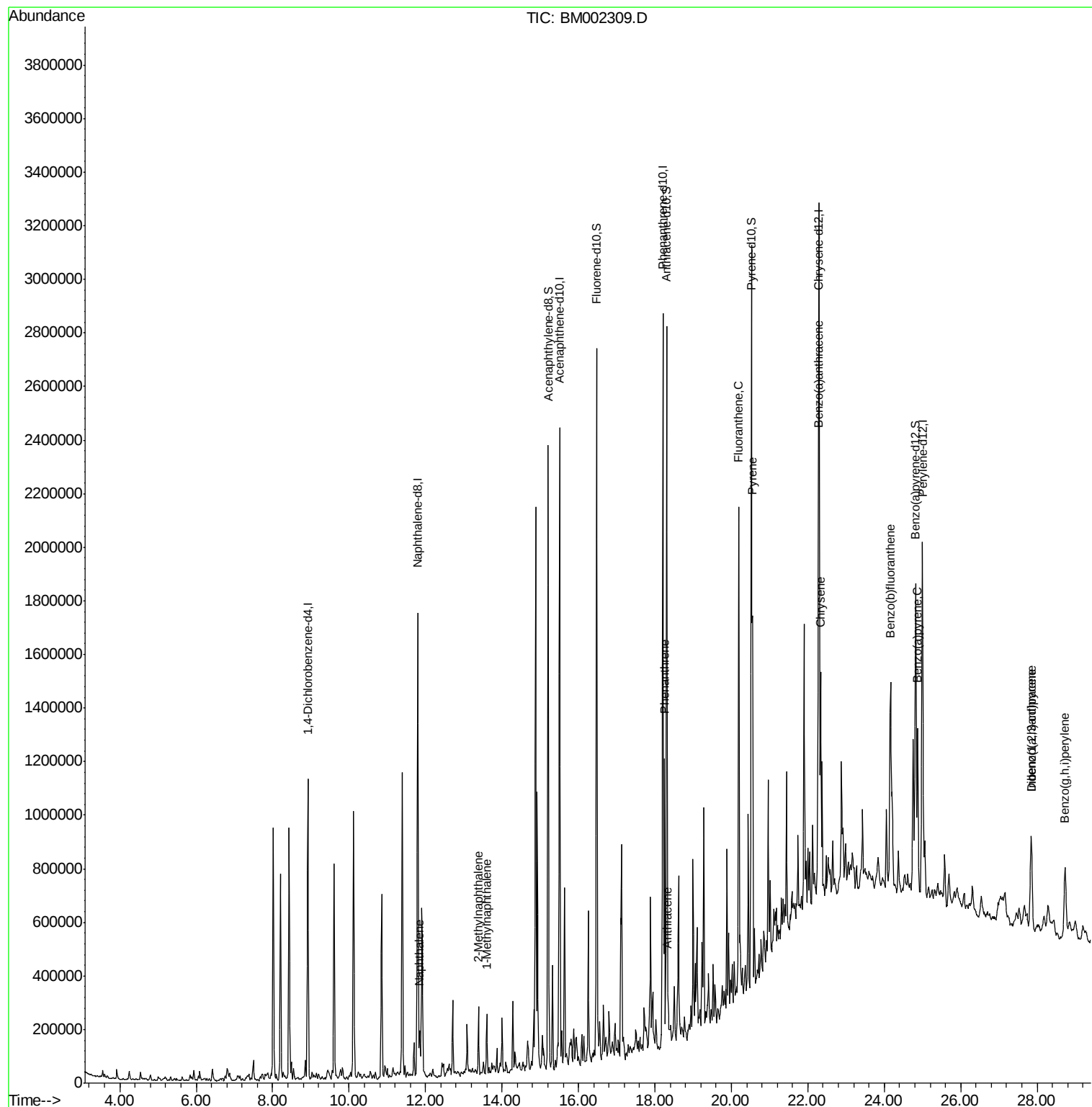
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.20	160	1653129	20.16	ng/ul	0.00
10) Fluorene-d10	16.47	176	1077757	18.90	ng/ul	0.00
14) Anthracene-d10	18.31	188	1515332	20.01	ng/ul	0.00
18) Pyrene-d10	20.52	212	1349444	22.75	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	1010961	17.61	ng/ul	0.00

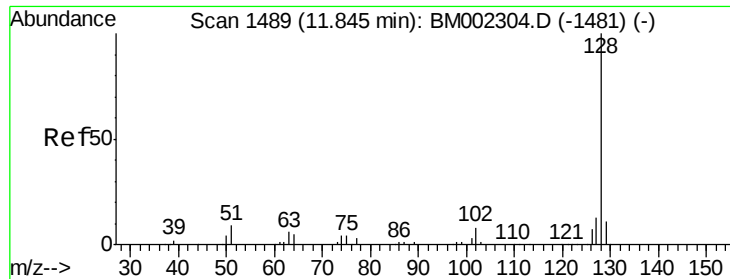
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.85	128	139070	1.73	ng/ul	99
4) 2-Methylnaphthalene	13.39	142	118587	2.06	ng/ul	99
5) 1-Methylnaphthalene	13.60	142	100743	1.78	ng/ul	99
13) Phenanthrene	18.25	178	618211	6.88	ng/ul	99
15) Anthracene	18.34	178	108864	1.17	ng/ul	99
16) Fluoranthene	20.20	202	1097590	11.03	ng/ul	100
19) Pyrene	20.55	202	894260	11.31	ng/ul	100
20) Benzo(a)anthracene	22.27	228	503223	6.74	ng/ul	97
21) Chrysene	22.33	228	556242	7.86	ng/ul	97
23) Benzo(b)fluoranthene	24.16	252	780390	11.61	ng/ul	97
26) Benzo(a)pyrene	24.87	252	487698	7.58	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.84	276	371235	5.04	ng/ul	95
28) Dibenzo(a,h)anthracene	27.84	278	99249	1.59	ng/ul#	73
29) Benzo(g,h,i)perylene	28.73	276	343891	5.53	ng/ul	98

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

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#3

Naphthalene

Concen: 1.73 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM002309.D

Acq: 09 Aug 2015 11:30

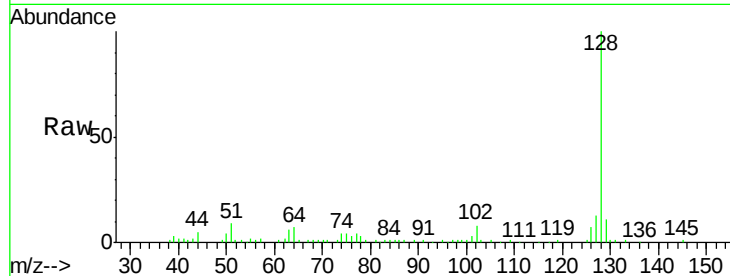
Tgt Ion:128 Resp: 139070

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

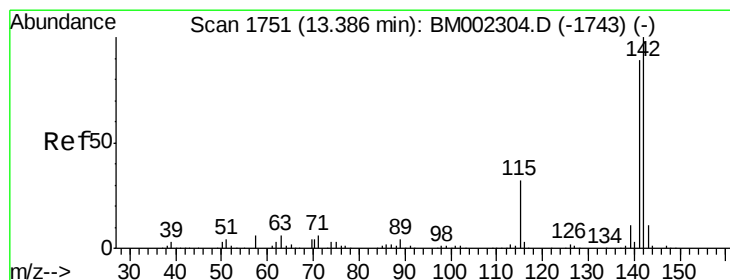
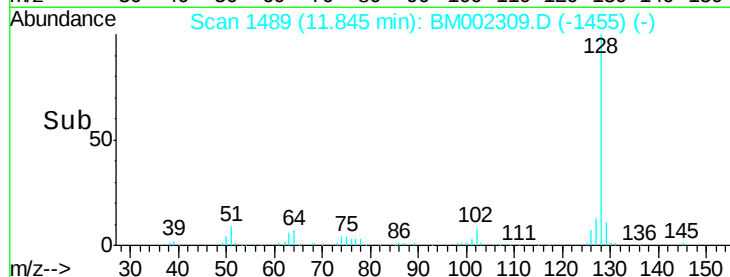
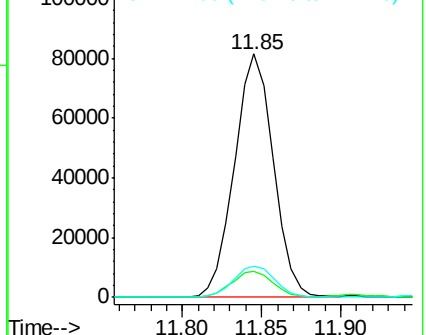
127 12.8 10.4 15.6



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: 2.06 ng/ul

RT: 13.39 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BM002309.D

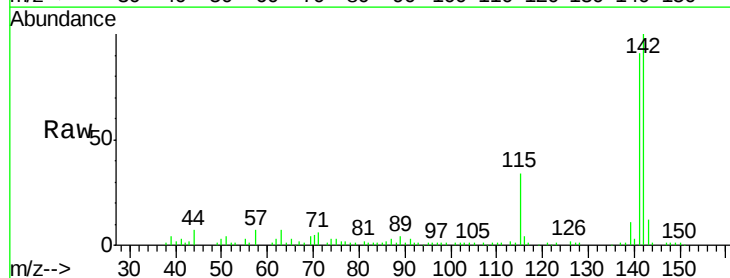
Acq: 09 Aug 2015 11:30

Tgt Ion:142 Resp: 118587

Ion Ratio Lower Upper

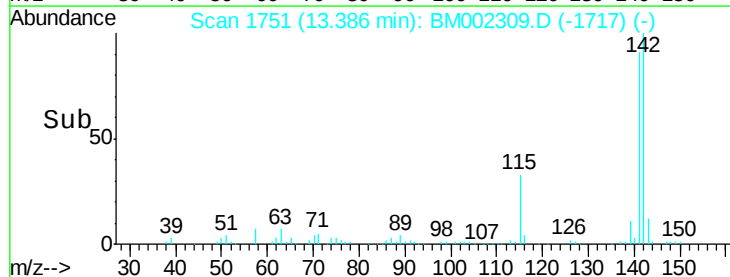
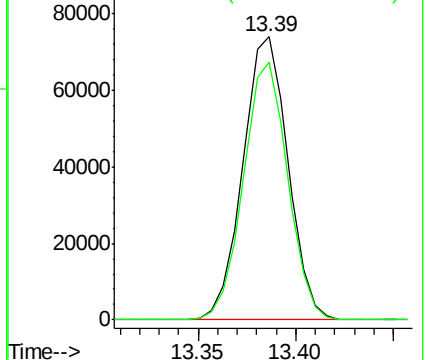
142 100

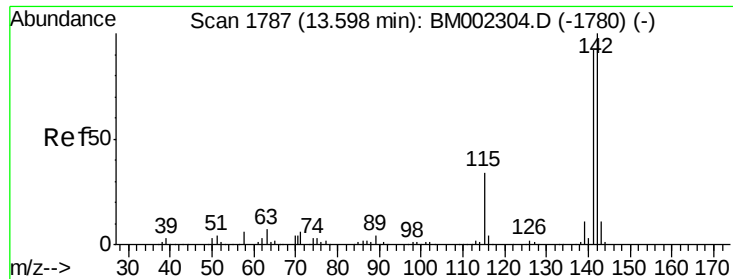
141 91.3 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

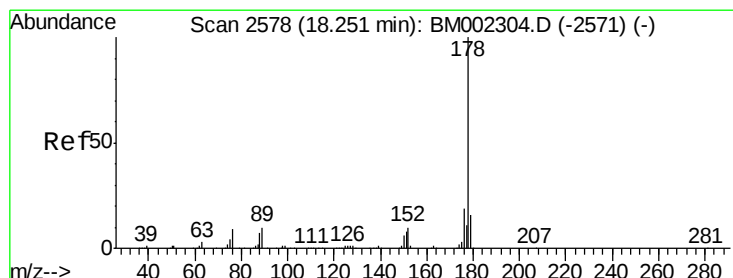
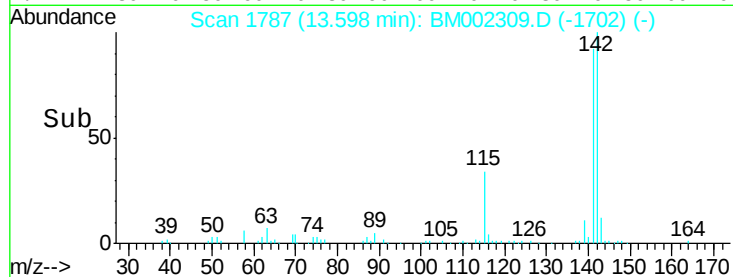
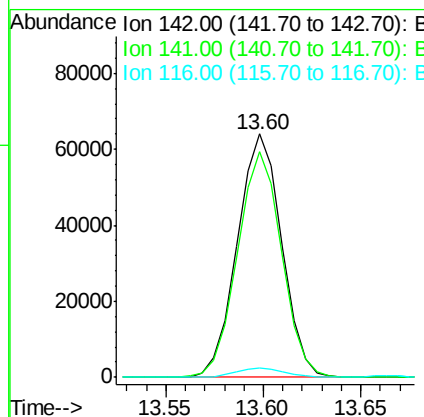
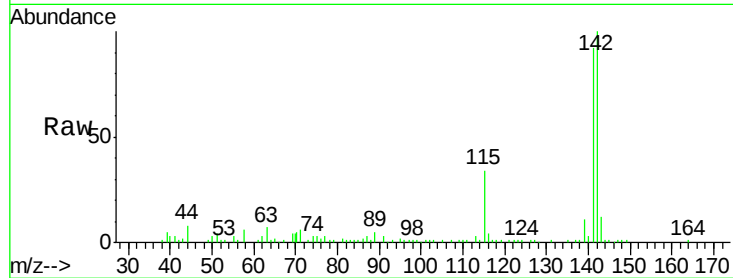
Ion 141.00 (140.70 to 141.70): E





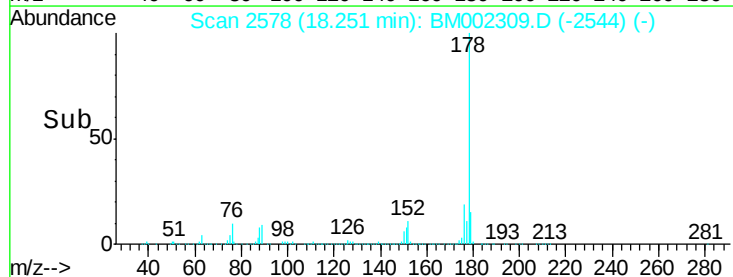
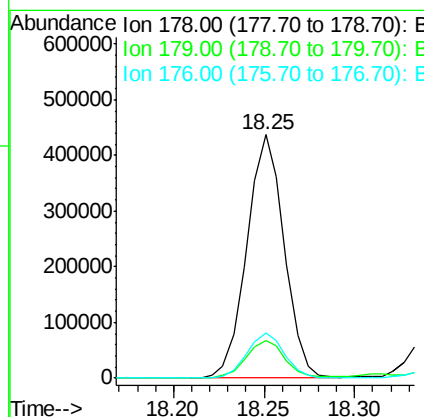
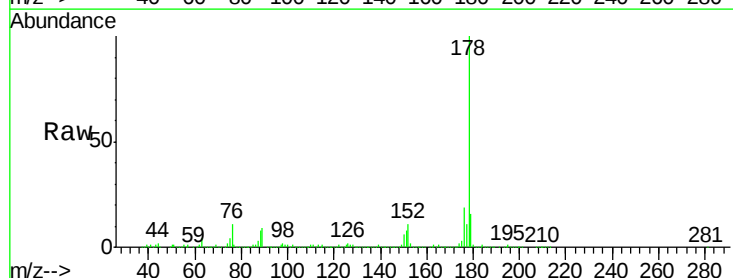
#5
1-Methylnaphthalene
Concen: 1.78 ng/ul
RT: 13.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BM002309.D
Acq: 09 Aug 2015 11:30

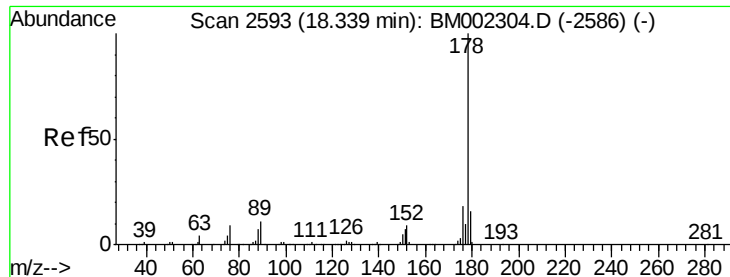
Tgt Ion:	142	Resp:	100743
Ion Ratio	Lower	Upper	
142	100		
141	92.4	74.5	111.7
116	4.0	3.0	4.4



#13
Phenanthrene
Concen: 6.88 ng/ul
RT: 18.25 min Scan# 2578
Delta R.T. 0.00 min
Lab File: BM002309.D
Acq: 09 Aug 2015 11:30

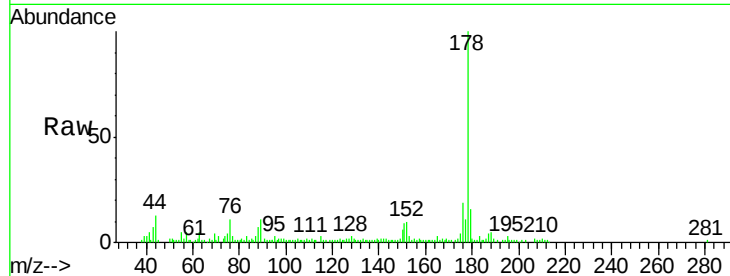
Tgt Ion:	178	Resp:	618211
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.3	18.5
176	18.8	15.3	22.9



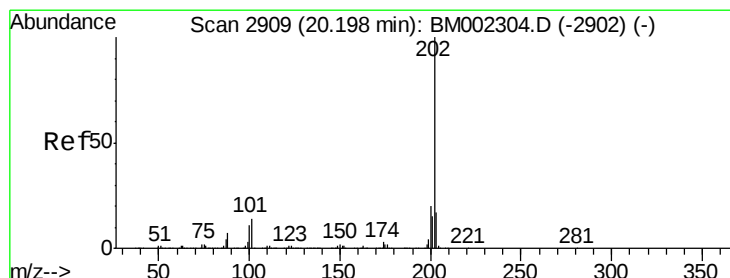
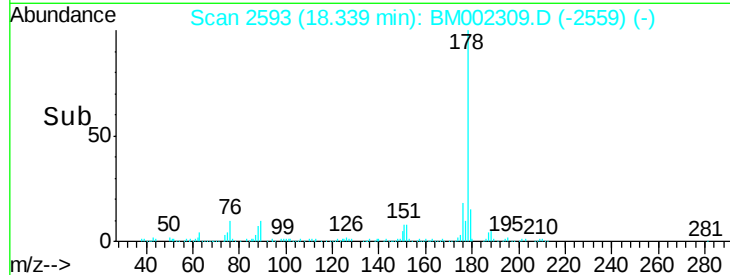
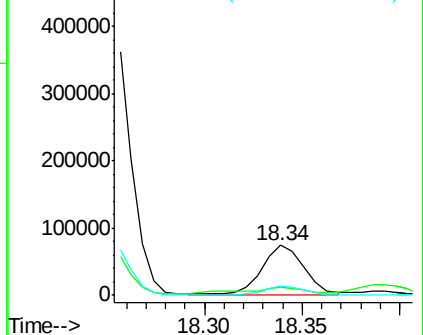


#15
 Anthracene
 Concen: 1.17 ng/ul
 RT: 18.34 min Scan# 2593
 Delta R.T. 0.00 min
 Lab File: BM002309.D
 Acq: 09 Aug 2015 11:30

Tgt Ion:178 Resp: 108864
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.3 18.5
 176 18.6 14.5 21.7

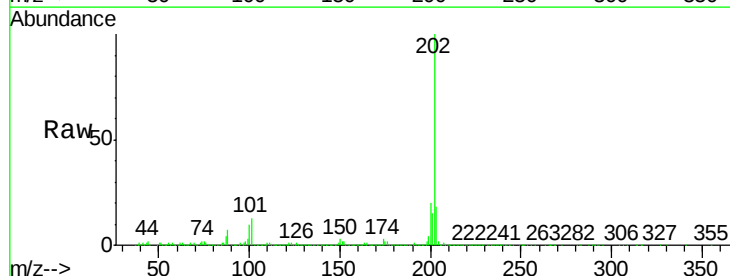


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

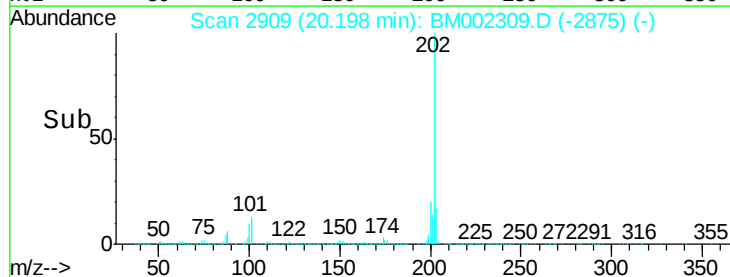
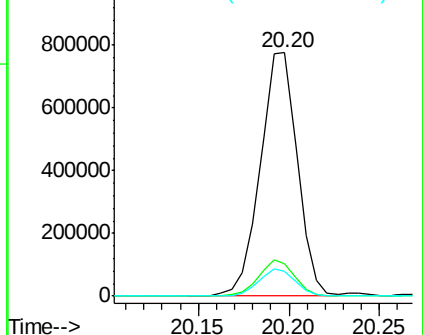


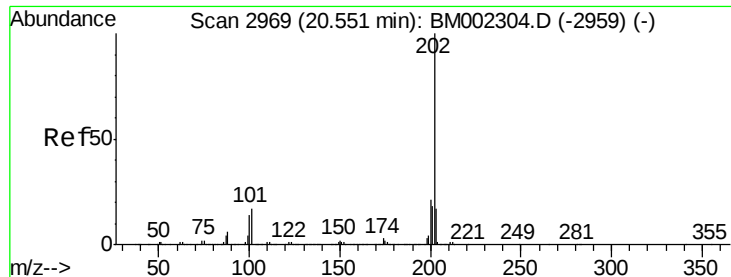
#16
 Fluoranthene
 Concen: 11.03 ng/ul
 RT: 20.20 min Scan# 2909
 Delta R.T. 0.00 min
 Lab File: BM002309.D
 Acq: 09 Aug 2015 11:30

Tgt Ion:202 Resp: 1097590
 Ion Ratio Lower Upper
 202 100
 101 13.5 10.6 15.8
 100 10.2 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): B





#19

Pyrene

Concen: 11.31 ng/ul

RT: 20.55 min Scan# 2969

Delta R.T. 0.00 min

Lab File: BM002309.D

Acq: 09 Aug 2015 11:30

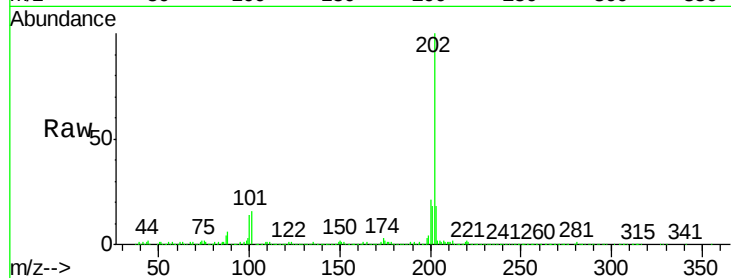
Tgt Ion:202 Resp: 894260

Ion Ratio Lower Upper

202 100

101 16.3 13.0 19.6

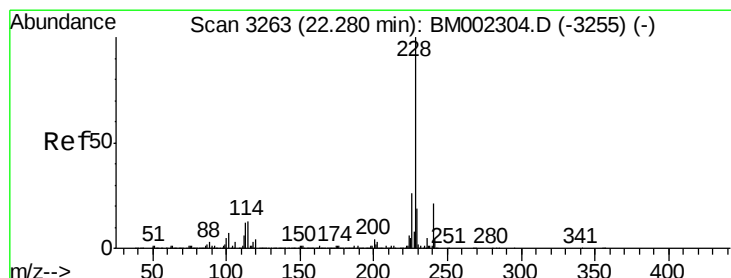
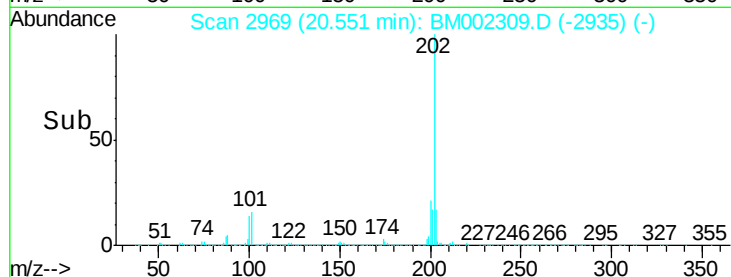
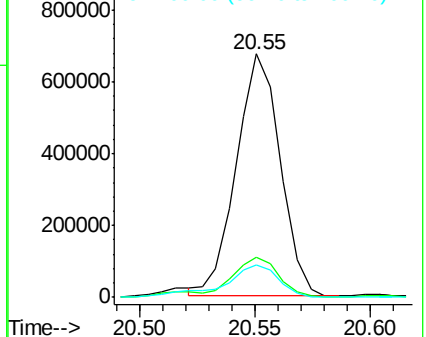
100 13.6 11.0 16.4



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: 6.74 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. -0.01 min

Lab File: BM002309.D

Acq: 09 Aug 2015 11:30

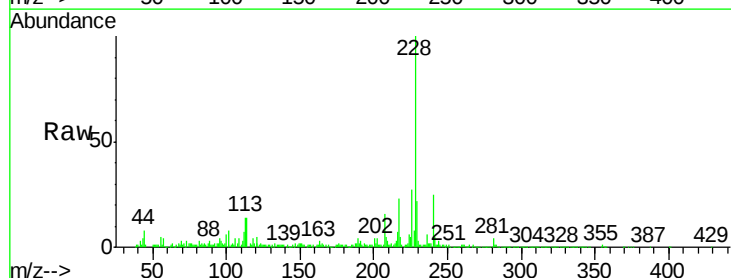
Tgt Ion:228 Resp: 503223

Ion Ratio Lower Upper

228 100

229 22.1 15.7 23.5

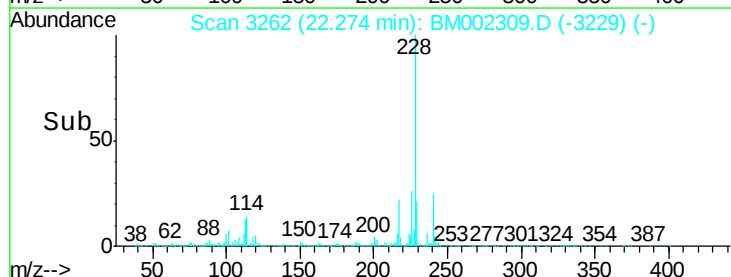
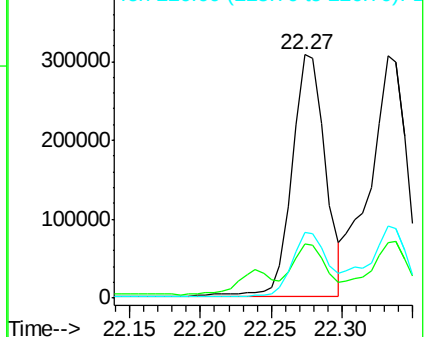
226 27.0 21.4 32.0

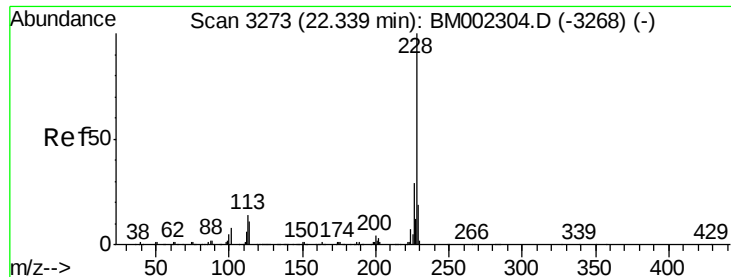


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 7.86 ng/ul

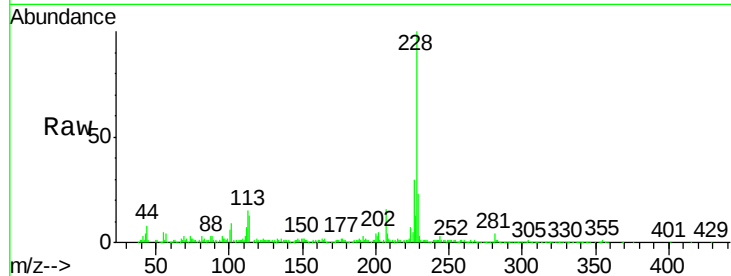
RT: 22.33 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BM002309.D

Acq: 09 Aug 2015 11:30

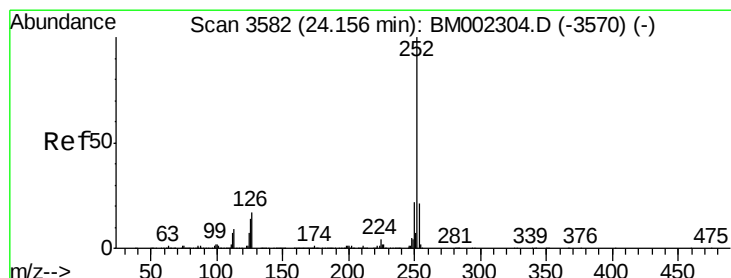
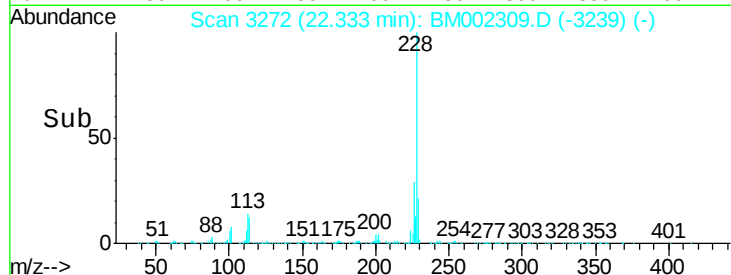
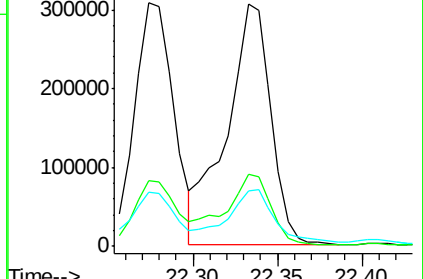
Tgt Ion:	228	Resp:	556242
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.0
229	22.9	15.5	23.3



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: 11.61 ng/ul

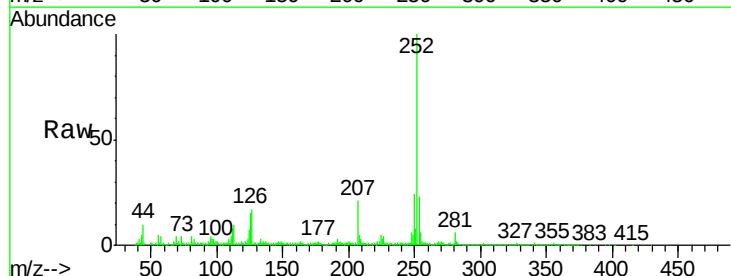
RT: 24.16 min Scan# 3583

Delta R.T. 0.01 min

Lab File: BM002309.D

Acq: 09 Aug 2015 11:30

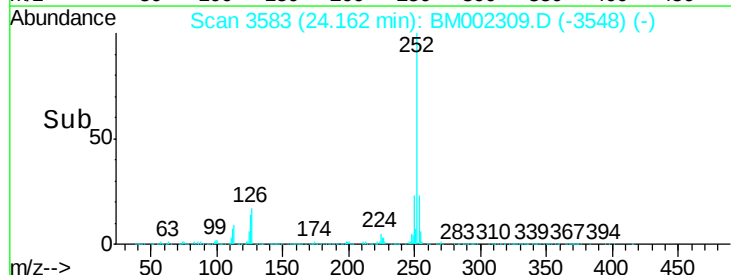
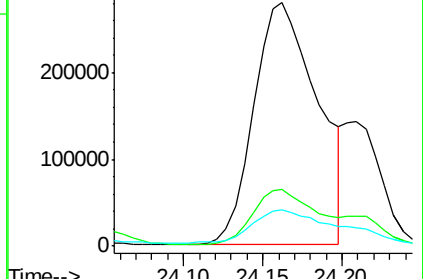
Tgt Ion:	252	Resp:	780390
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	15.0	10.3	15.5

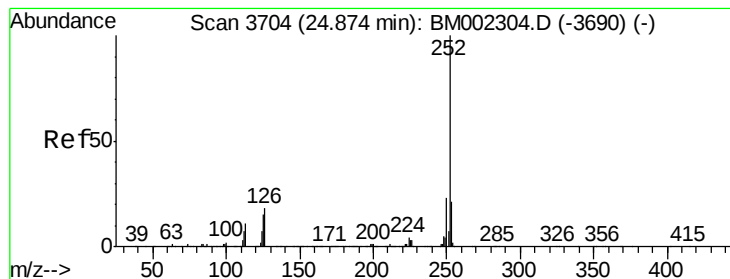


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 7.58 ng/ul

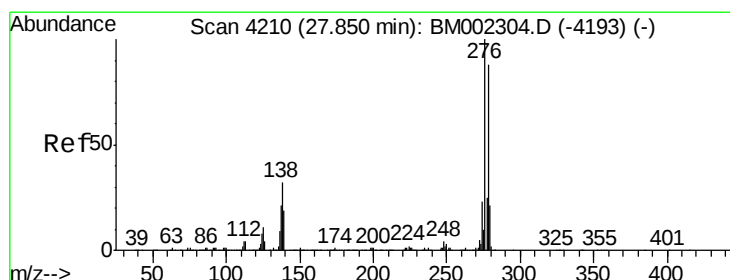
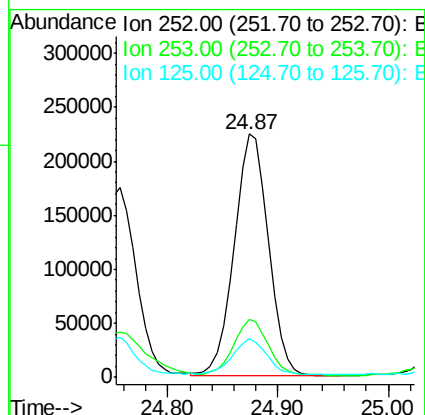
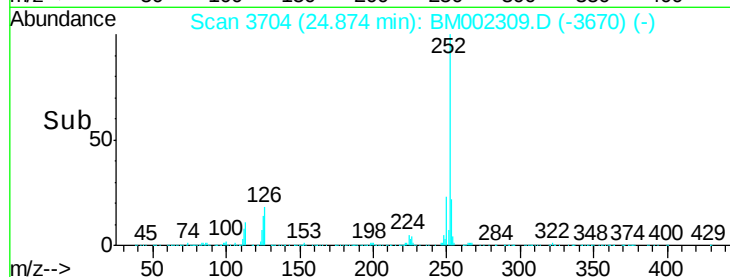
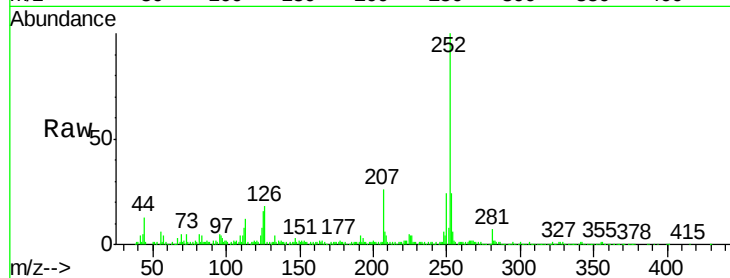
RT: 24.87 min Scan# 3704

Delta R.T. 0.00 min

Lab File: BM002309.D

Acq: 09 Aug 2015 11:30

Tgt Ion:	252	Resp:	487698
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	15.7	11.0	16.6



#27

Indeno(1,2,3-cd)pyrene

Concen: 5.04 ng/ul

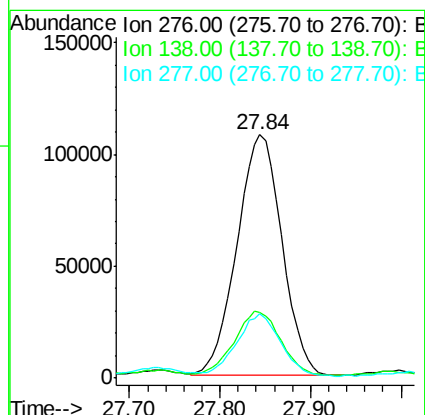
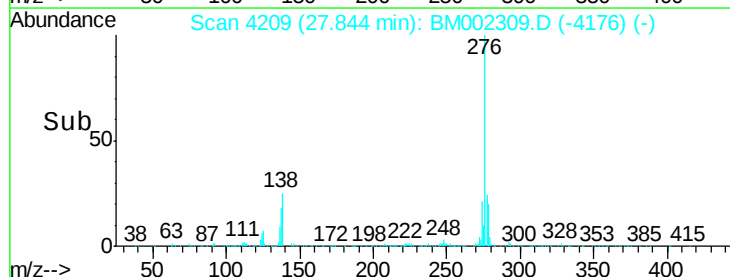
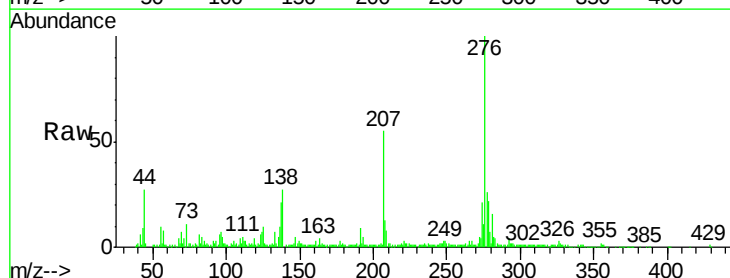
RT: 27.84 min Scan# 4209

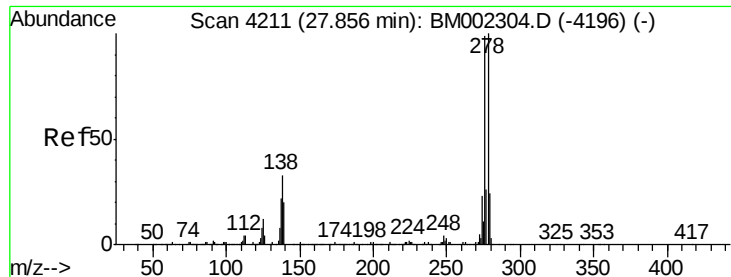
Delta R.T. -0.01 min

Lab File: BM002309.D

Acq: 09 Aug 2015 11:30

Tgt Ion:	276	Resp:	371235
Ion	Ratio	Lower	Upper
276	100		
138	27.0	25.6	38.4
277	26.2	21.0	31.4

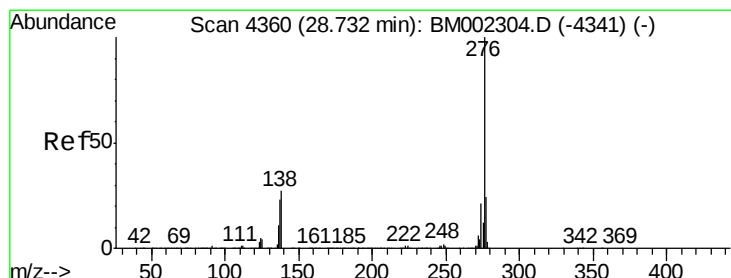
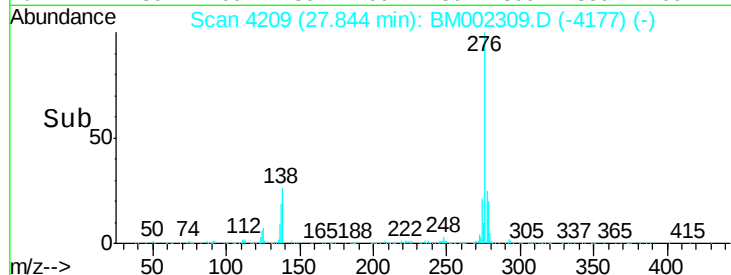
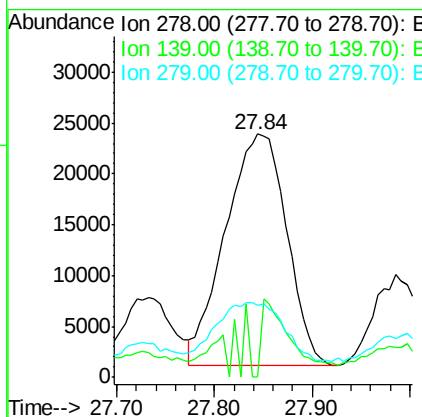
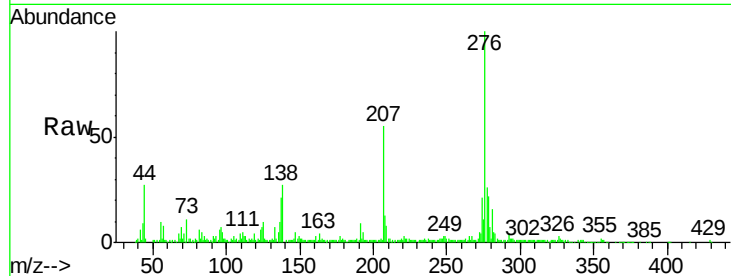




#28
Dibenzo(a,h)anthracene
Concen: 1.59 ng/ul
RT: 27.84 min Scan# 4209
Delta R.T. -0.01 min
Lab File: BM002309.D
Acq: 09 Aug 2015 11:30

Tgt Ion: 278 Resp: 99249

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.4	24.6#
279	29.7	18.8	28.2#



#29
Benzo(g,h,i)perylene
Concen: 5.53 ng/ul
RT: 28.73 min Scan# 4360
Delta R.T. 0.00 min
Lab File: BM002309.D
Acq: 09 Aug 2015 11:30

Tgt Ion: 276 Resp: 343891

Ion	Ratio	Lower	Upper
276	100		
138	27.4	20.5	30.7
277	24.3	19.0	28.6

