

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080915\
 Data File : BM002307.D
 Acq On : 09 Aug 2015 10:18
 Operator : TP/UM
 Sample : G3161-12
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 10 05:35:56 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	301100	20.00	ng/ul	0.00
2) Naphthalene-d8	11.79	136	1454849	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	765014	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1519416	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	1185274	20.00	ng/ul	0.00
22) Perylene-d12	25.00	264	1050123	20.00	ng/ul	0.01

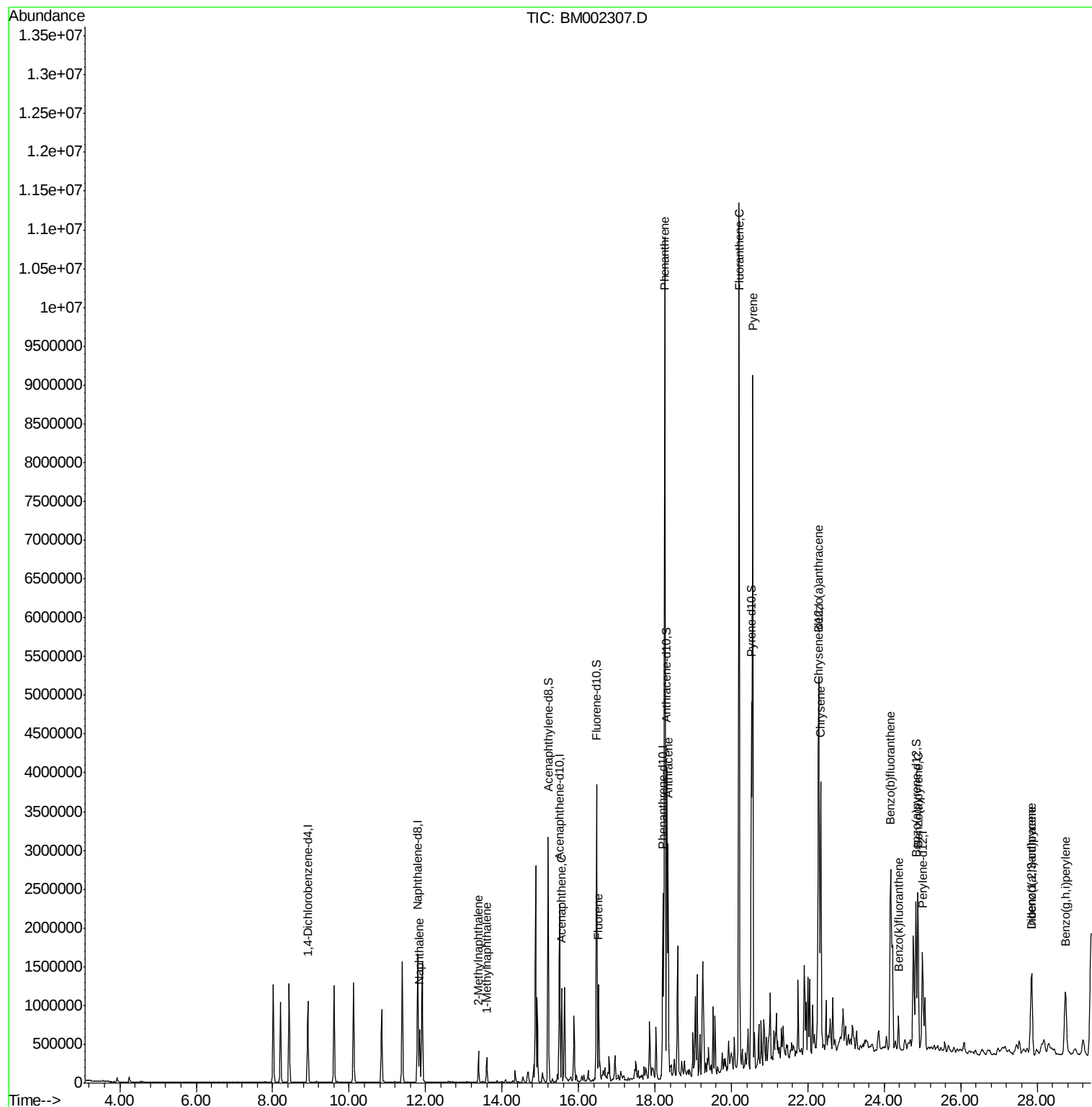
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.20	160	2317940	29.25	ng/ul	0.00
10) Fluorene-d10	16.47	176	1515288	27.49	ng/ul	0.00
14) Anthracene-d10	18.31	188	2157045	29.26	ng/ul	0.00
18) Pyrene-d10	20.53	212	1976596	34.38	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.83	264	1629860	29.23	ng/ul	0.00

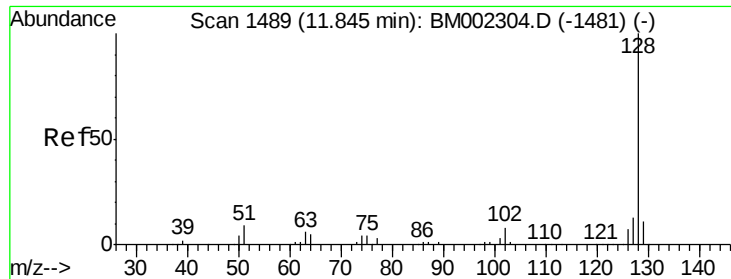
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.85	128	577342	7.54	ng/ul	100
4) 2-Methylnaphthalene	13.39	142	196877	3.60	ng/ul	98
5) 1-Methylnaphthalene	13.60	142	152456	2.83	ng/ul	97
9) Acenaphthene	15.56	153	473578	8.56	ng/ul	98
11) Fluorene	16.53	166	550939	8.84	ng/ul	98
13) Phenanthrene	18.26	178	6902382	78.93	ng/ul	97
15) Anthracene	18.34	178	1852173	20.51	ng/ul	100
16) Fluoranthene	20.20	202	6920669	71.47	ng/ul#	92
19) Pyrene	20.56	202	5628182	73.45	ng/ul	96
20) Benzo(a)anthracene	22.28	228	2346126	32.43	ng/ul	99
21) Chrysene	22.34	228	2121434	30.94	ng/ul	97
23) Benzo(b)fluoranthene	24.17	252	2452462	37.57	ng/ul	98
24) Benzo(k)fluoranthene	24.37	252	309707	4.94	ng/ul#	88
26) Benzo(a)pyrene	24.89	252	1693747	27.12	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.85	276	1144512	15.99	ng/ul	94
28) Dibenzo(a,h)anthracene	27.86	278	275122	4.54	ng/ul#	77
29) Benzo(g,h,i)perylene	28.74	276	1143133	18.93	ng/ul	98

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

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QLast Update : Mon Aug 10 05:35:03 2015
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#3

Naphthalene

Concen: 7.54 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. -0.00 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

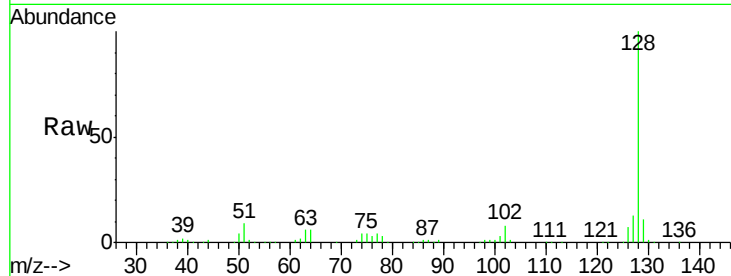
Tgt Ion:128 Resp: 577342

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

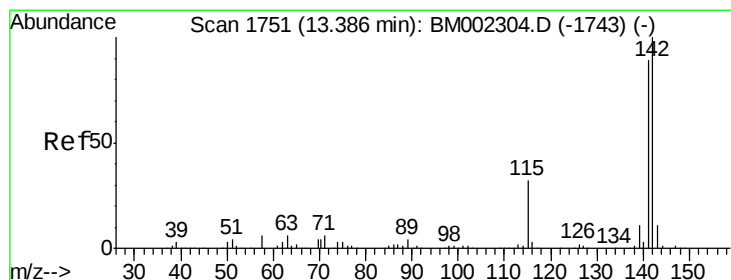
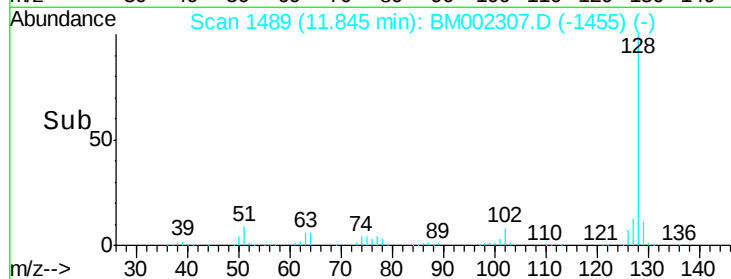
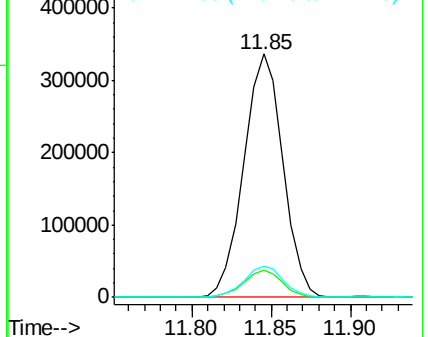
127 12.9 10.4 15.6



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: 3.60 ng/ul

RT: 13.39 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BM002307.D

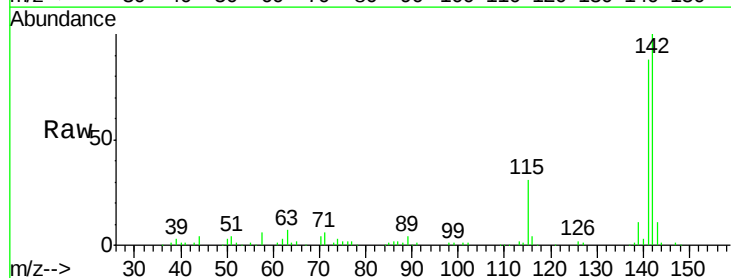
Acq: 09 Aug 2015 10:18

Tgt Ion:142 Resp: 196877

Ion Ratio Lower Upper

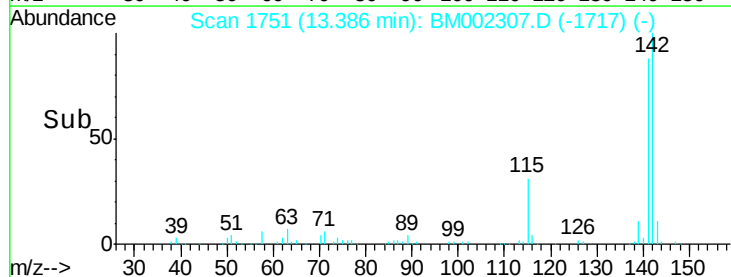
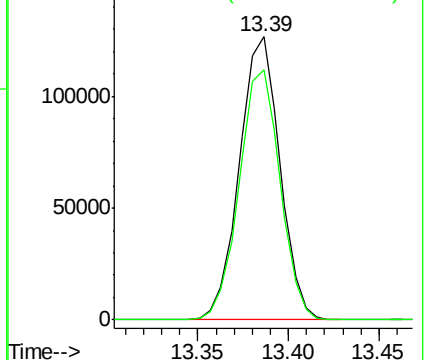
142 100

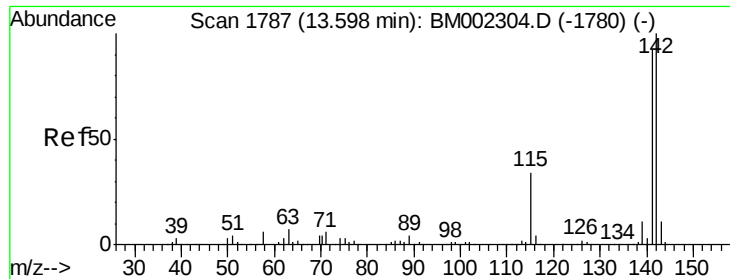
141 88.4 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 2.83 ng/ul

RT: 13.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

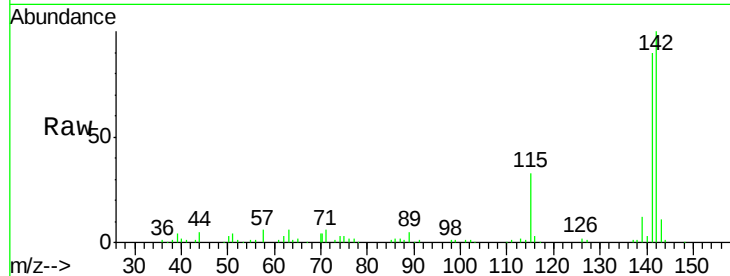
Tgt Ion:142 Resp: 152456

Ion Ratio Lower Upper

142 100

141 90.0 74.5 111.7

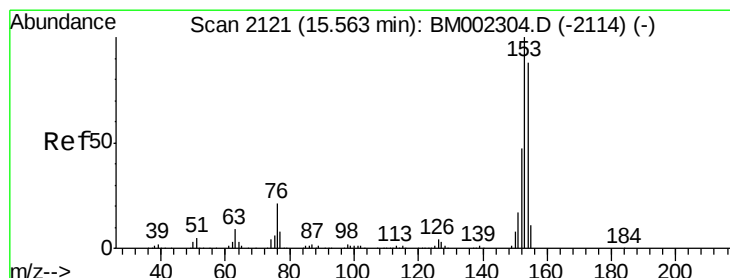
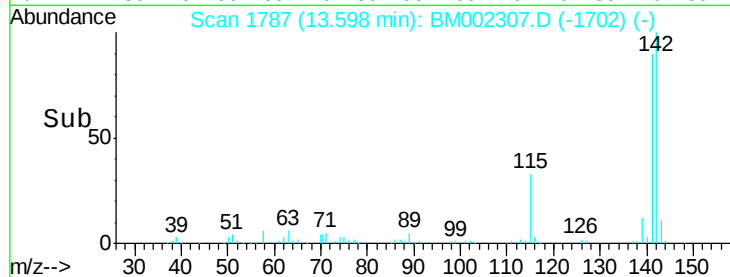
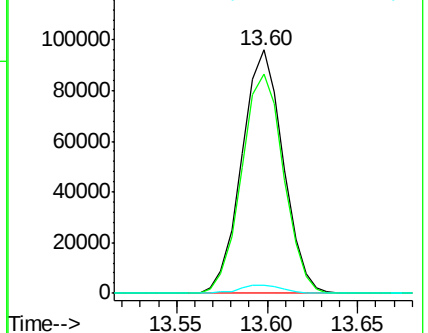
116 3.4 3.0 4.4



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



#9

Acenaphthene

Concen: 8.56 ng/ul

RT: 15.56 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

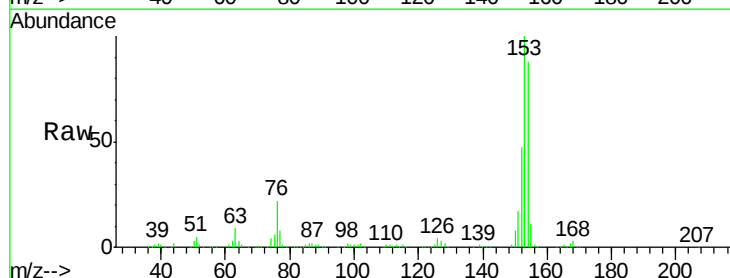
Tgt Ion:153 Resp: 473578

Ion Ratio Lower Upper

153 100

152 47.3 36.6 55.0

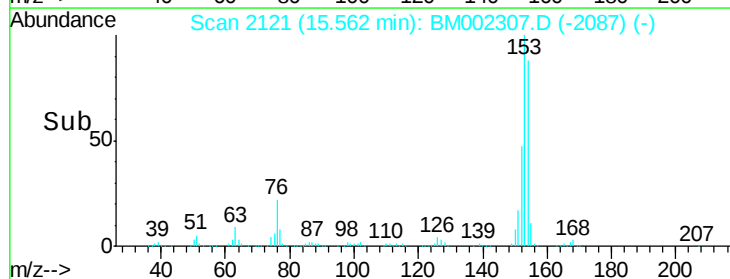
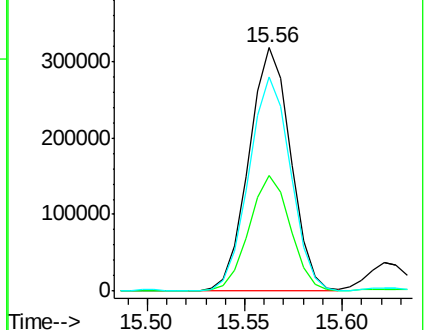
154 88.1 71.5 107.3

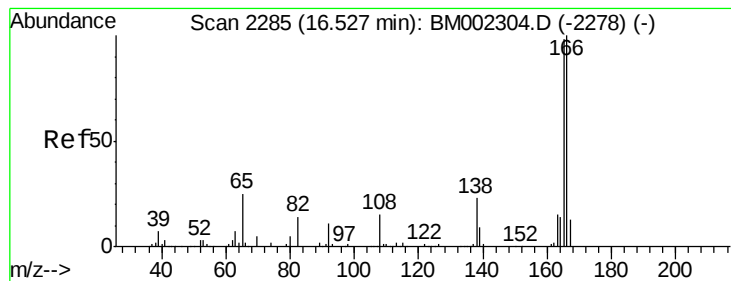


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 8.84 ng/ul

RT: 16.53 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

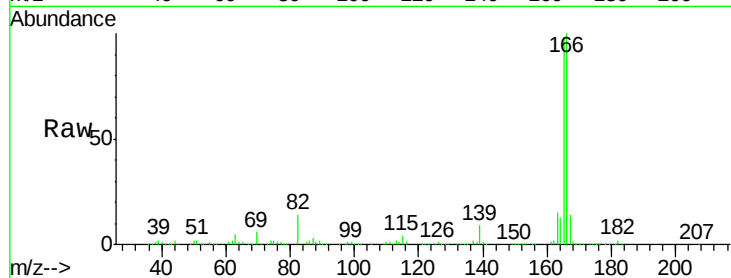
Tgt Ion:166 Resp: 550939

Ion Ratio Lower Upper

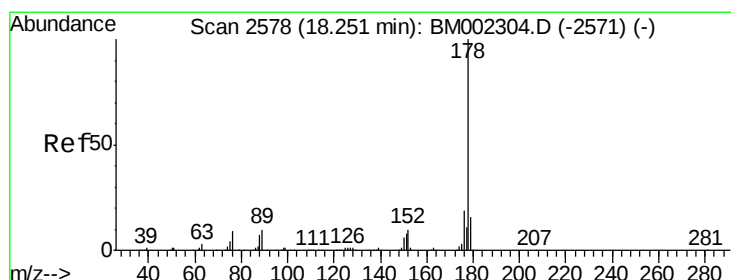
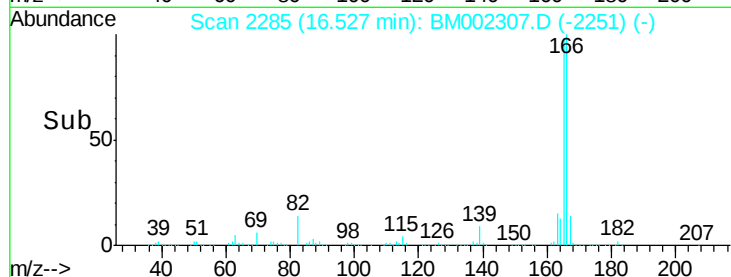
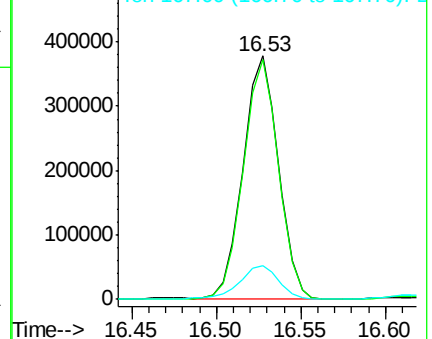
166 100

165 98.5 77.5 116.3

167 14.1 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#13

Phenanthrene

Concen: 78.93 ng/ul

RT: 18.26 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

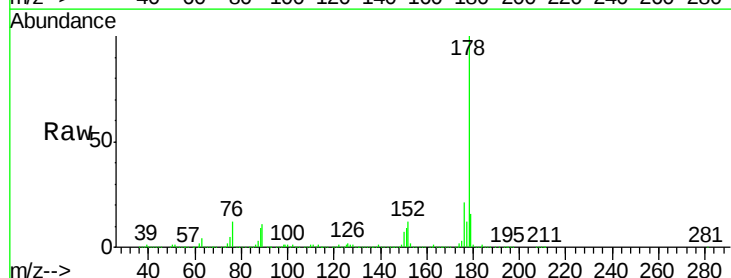
Tgt Ion:178 Resp: 6902382

Ion Ratio Lower Upper

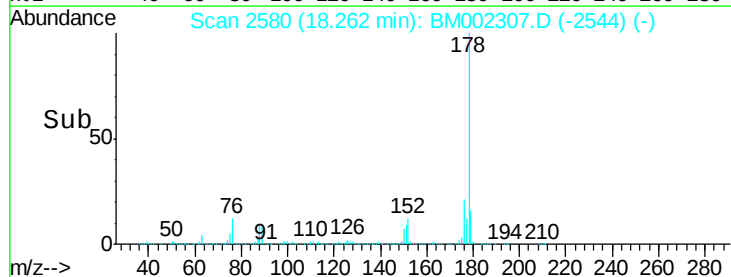
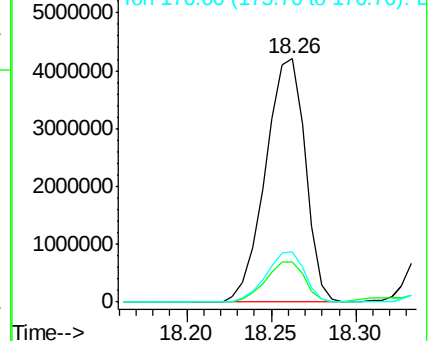
178 100

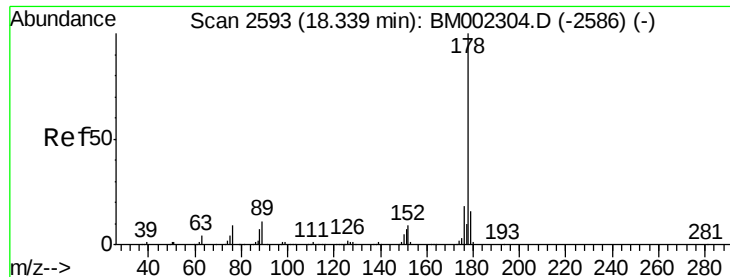
179 16.4 12.3 18.5

176 20.8 15.3 22.9



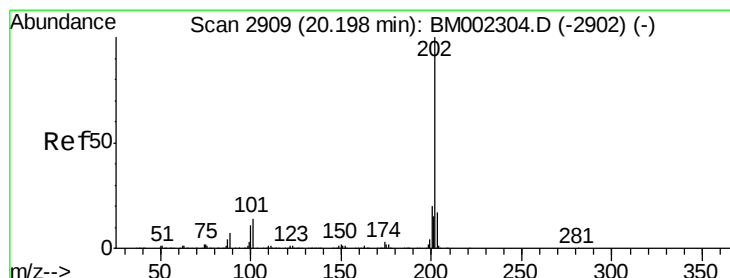
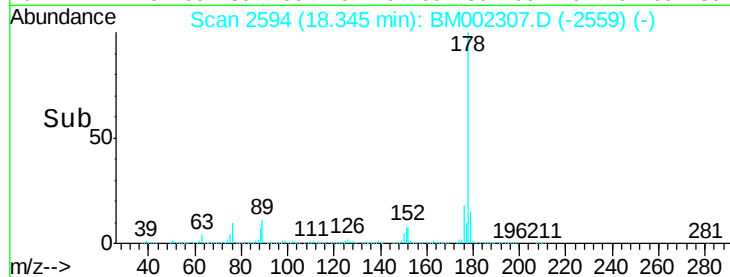
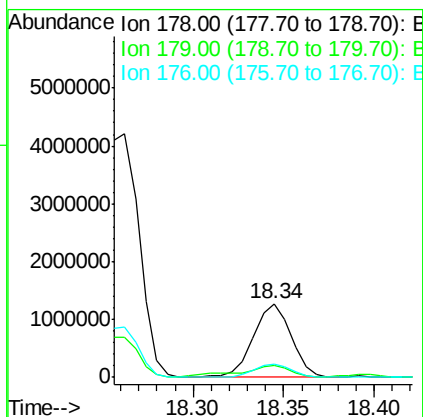
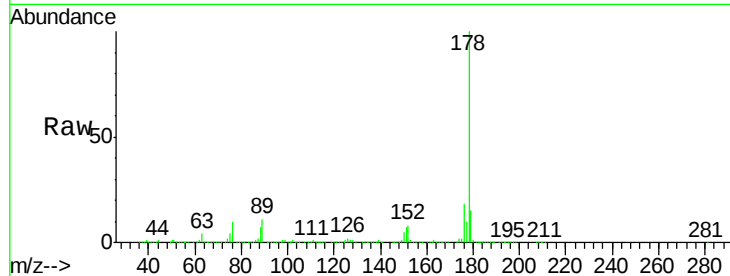
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





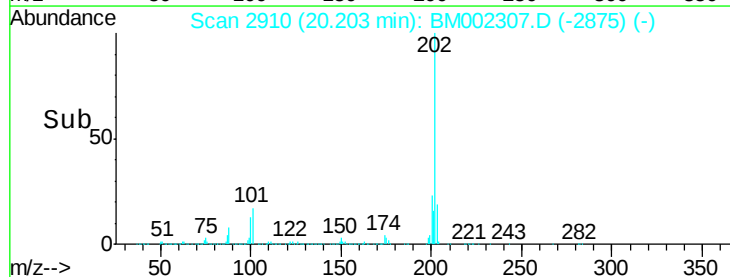
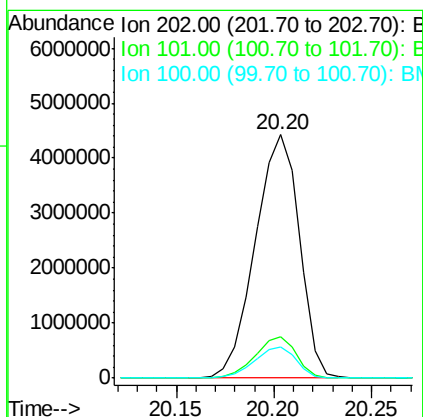
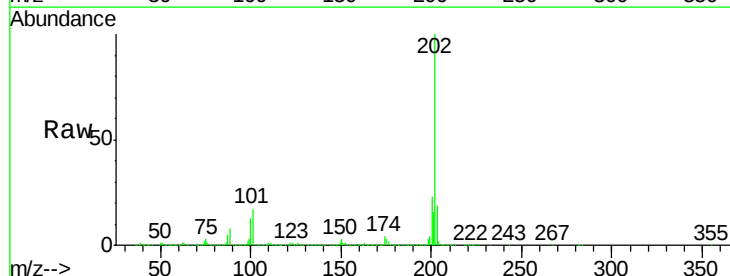
#15
 Anthracene
 Concen: 20.51 ng/ul
 RT: 18.34 min Scan# 2594
 Delta R.T. 0.01 min
 Lab File: BM002307.D
 Acq: 09 Aug 2015 10:18

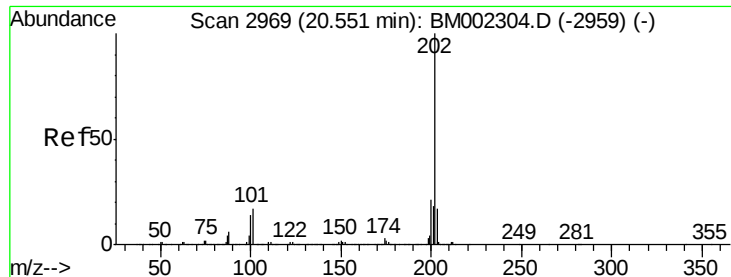
Tgt Ion:178 Resp: 1852173
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.3 18.5
 176 18.4 14.5 21.7



#16
 Fluoranthene
 Concen: 71.47 ng/ul
 RT: 20.20 min Scan# 2910
 Delta R.T. 0.01 min
 Lab File: BM002307.D
 Acq: 09 Aug 2015 10:18

Tgt Ion:202 Resp: 6920669
 Ion Ratio Lower Upper
 202 100
 101 16.8 10.6 15.8#
 100 12.9 8.2 12.4#





#19

Pyrene

Concen: 73.45 ng/ul

RT: 20.56 min Scan# 2971

Delta R.T. 0.01 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

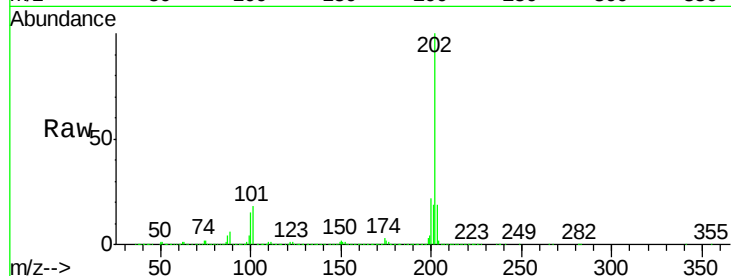
Tgt Ion:202 Resp: 5628182

Ion Ratio Lower Upper

202 100

101 18.0 13.0 19.6

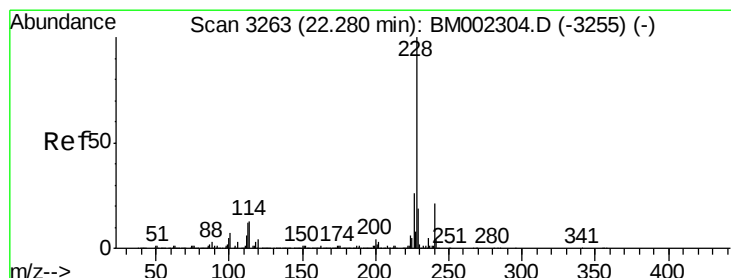
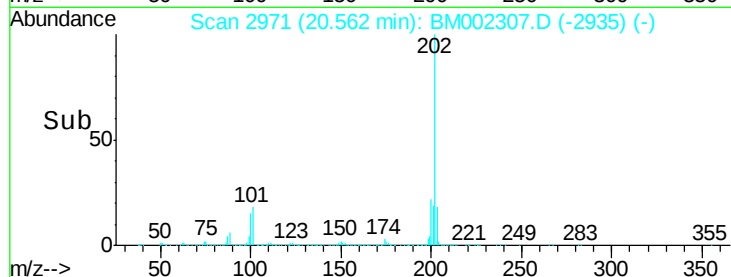
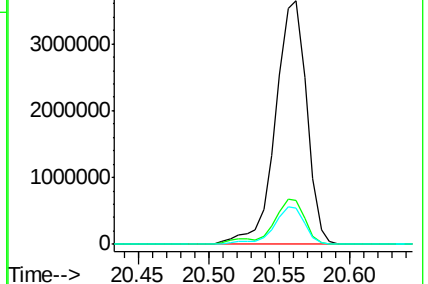
100 14.9 11.0 16.4



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: 32.43 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. -0.00 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

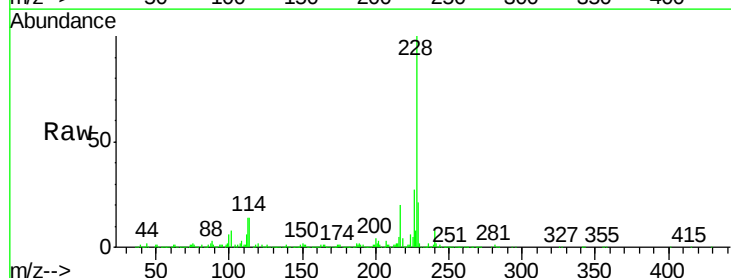
Tgt Ion:228 Resp: 2346126

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

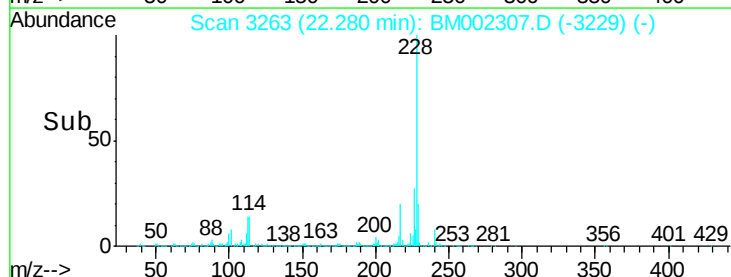
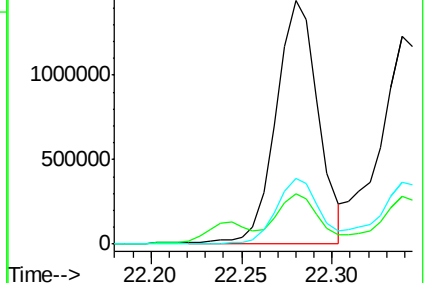
226 27.1 21.4 32.0

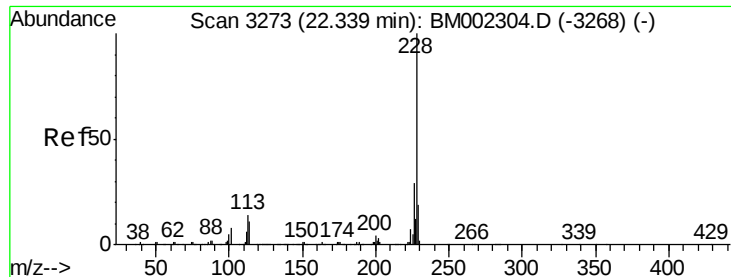


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 30.94 ng/ul

RT: 22.34 min Scan# 3273

Delta R.T. -0.00 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

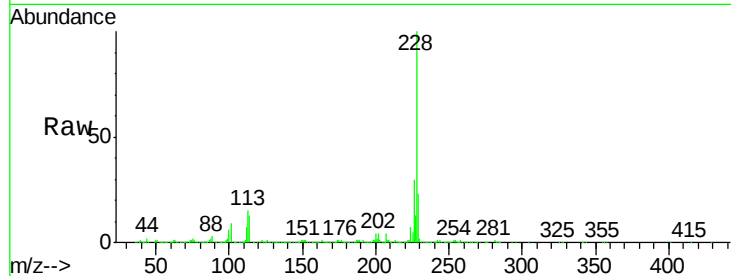
Tgt Ion: 228 Resp: 2121434

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.0

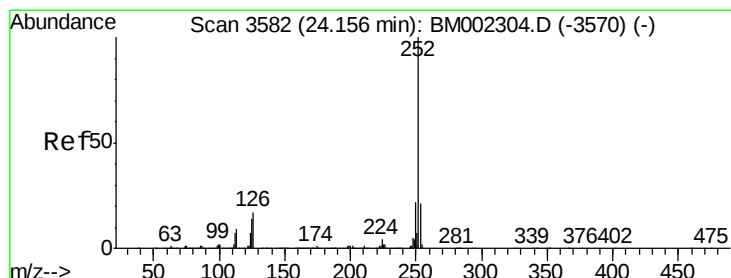
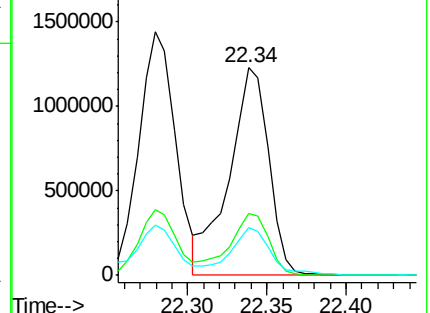
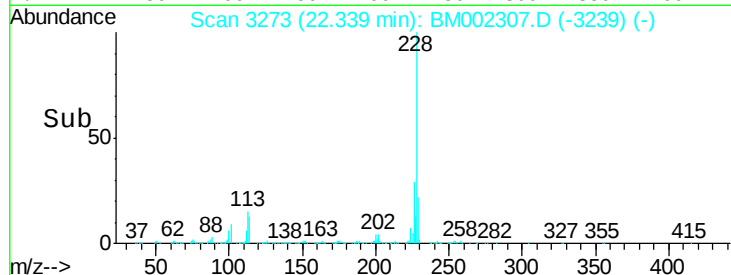
229 22.8 15.5 23.3



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: 37.57 ng/ul

RT: 24.17 min Scan# 3584

Delta R.T. 0.01 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

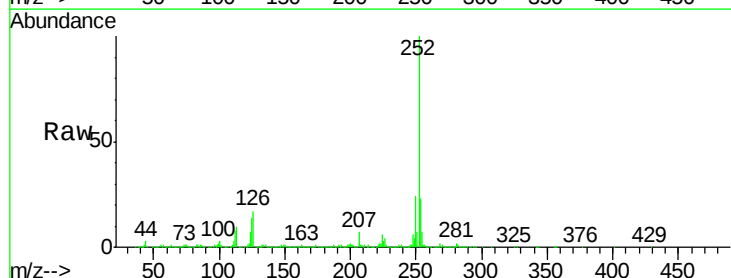
Tgt Ion: 252 Resp: 2452462

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

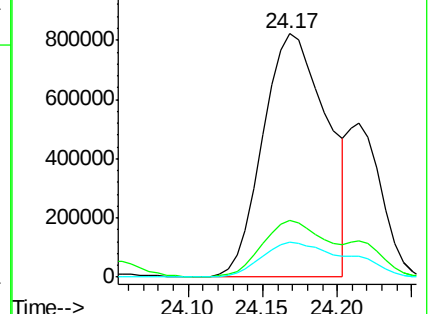
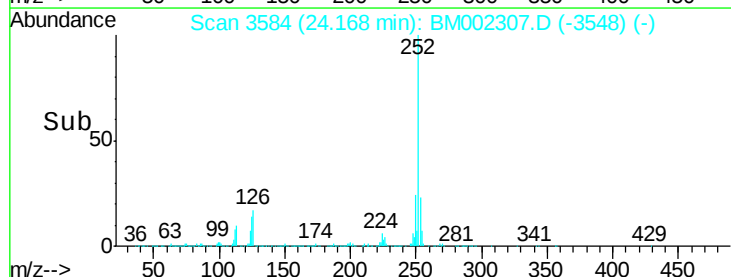
125 14.4 10.3 15.5

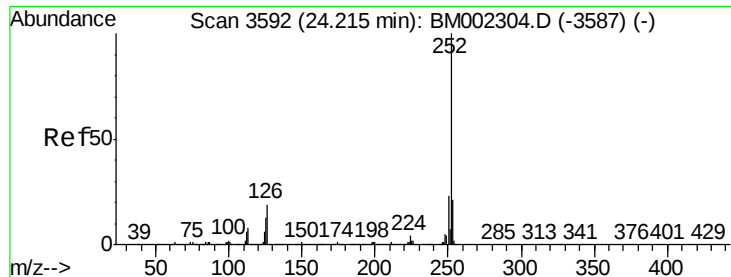


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 4.94 ng/ul

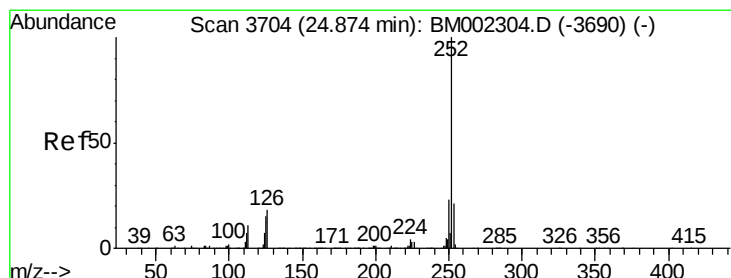
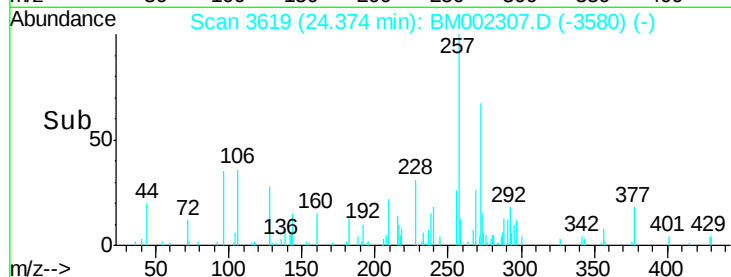
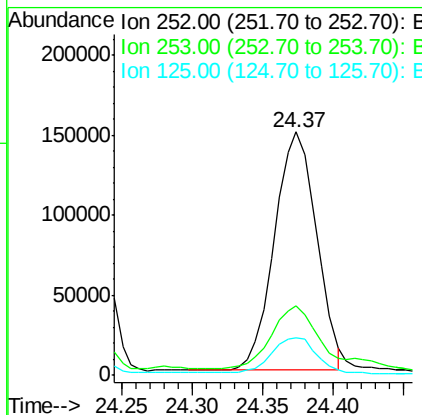
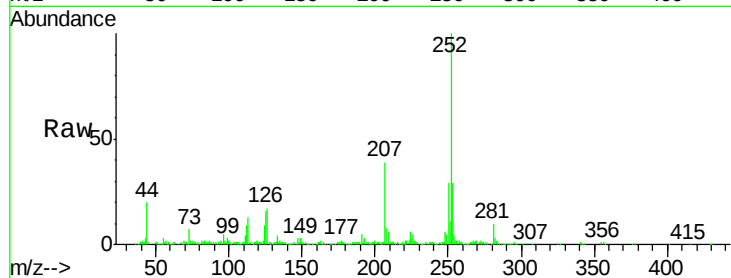
RT: 24.37 min Scan# 3619

Delta R.T. 0.16 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

Tgt Ion:	252	Resp:	309707
Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.3	25.9#
125	15.6	10.2	15.4#



#26

Benzo(a)pyrene

Concen: 27.12 ng/ul

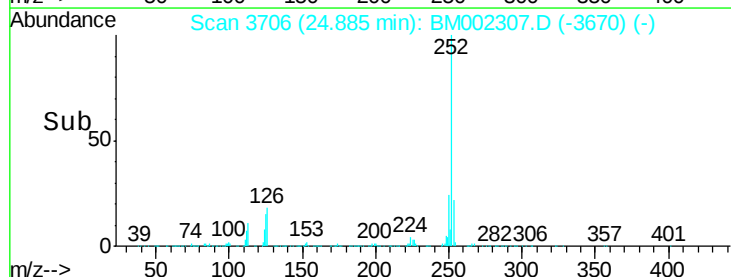
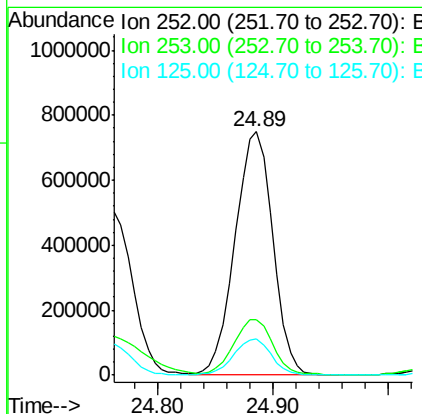
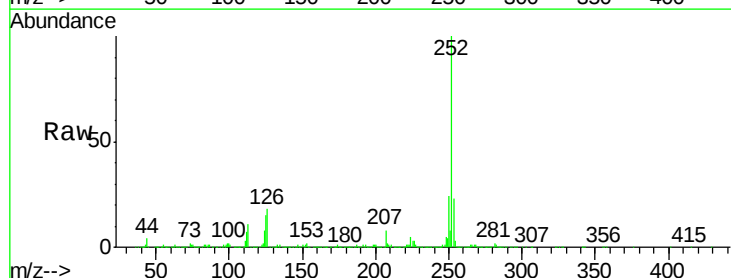
RT: 24.89 min Scan# 3706

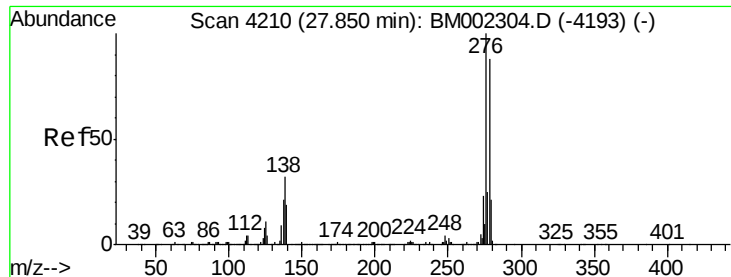
Delta R.T. 0.01 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

Tgt Ion:	252	Resp:	1693747
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	14.8	11.0	16.6

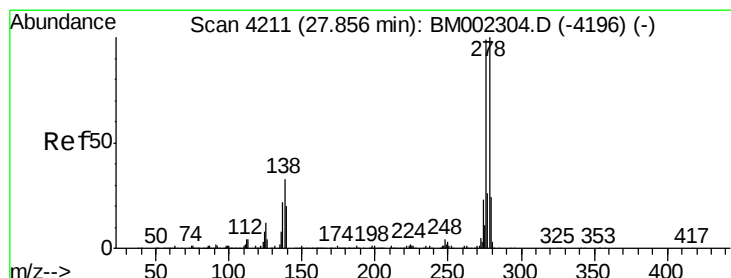
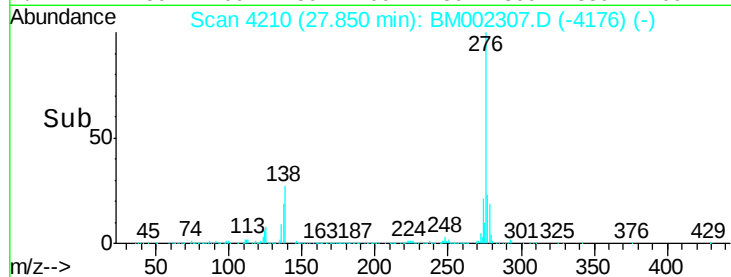
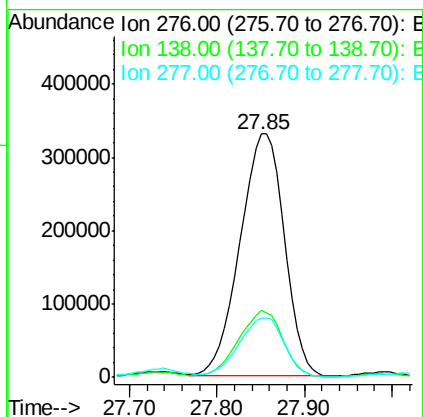
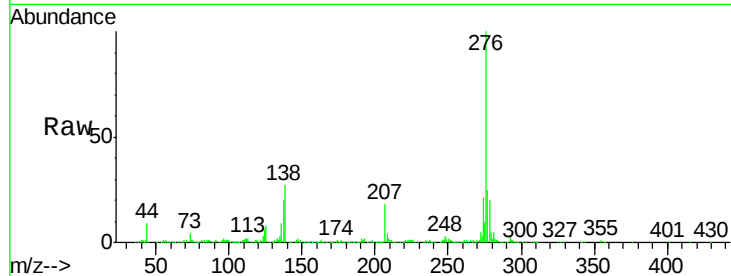




#27

Indeno(1,2,3-cd)pyrene
Concen: 15.99 ng/ul
RT: 27.85 min Scan# 4210
Delta R.T. -0.00 min
Lab File: BM002307.D
Acq: 09 Aug 2015 10:18

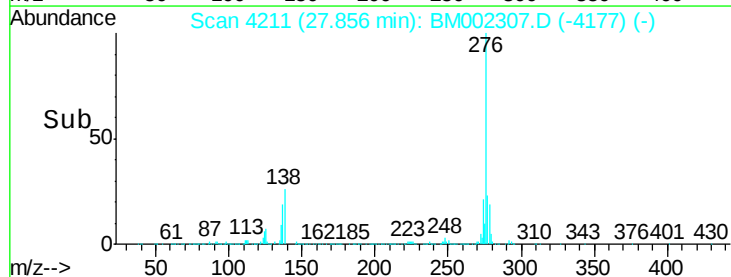
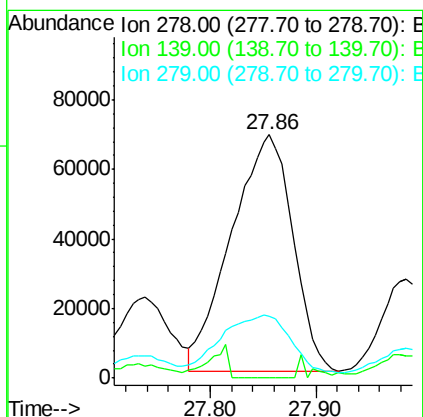
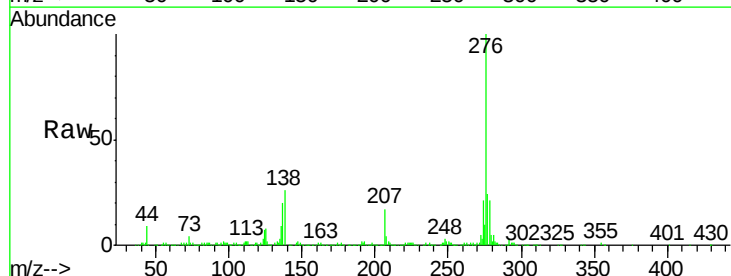
Tgt Ion: 276 Resp: 1144512
Ion Ratio Lower Upper
276 100
138 27.3 25.6 38.4
277 24.6 21.0 31.4

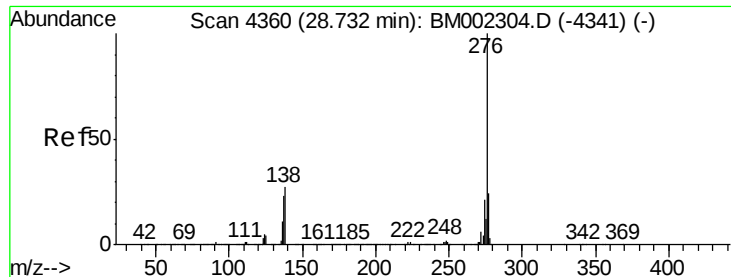


#28

Dibenzo(a,h)anthracene
Concen: 4.54 ng/ul
RT: 27.86 min Scan# 4211
Delta R.T. -0.00 min
Lab File: BM002307.D
Acq: 09 Aug 2015 10:18

Tgt Ion: 278 Resp: 275122
Ion Ratio Lower Upper
278 100
139 0.0 16.4 24.6#
279 25.7 18.8 28.2





#29

Benzo(g,h,i)perylene

Concen: 18.93 ng/ul

RT: 28.74 min Scan# 4362

Delta R.T. 0.01 min

Lab File: BM002307.D

Acq: 09 Aug 2015 10:18

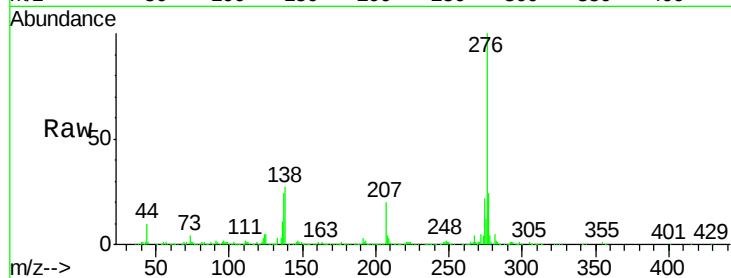
Tgt Ion: 276 Resp: 1143133

Ion Ratio Lower Upper

276 100

138 26.7 20.5 30.7

277 24.5 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

