

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080915\
 Data File : BM002313.D
 Acq On : 09 Aug 2015 13:55
 Operator : TP/UM
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 10 05:36:32 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	210251	20.00	ng/ul	0.00
2) Naphthalene-d8	11.79	136	973603	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	498084	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1000430	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	800308	20.00	ng/ul	0.00
22) Perylene-d12	25.00	264	688566	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	15.20	160	1061310	20.57	ng/ul	0.00
10) Fluorene-d10	16.47	176	719214	20.04	ng/ul	0.00
14) Anthracene-d10	18.31	188	1004105	20.68	ng/ul	0.00
18) Pyrene-d10	20.52	212	922107	23.76	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	755170	20.66	ng/ul	0.00

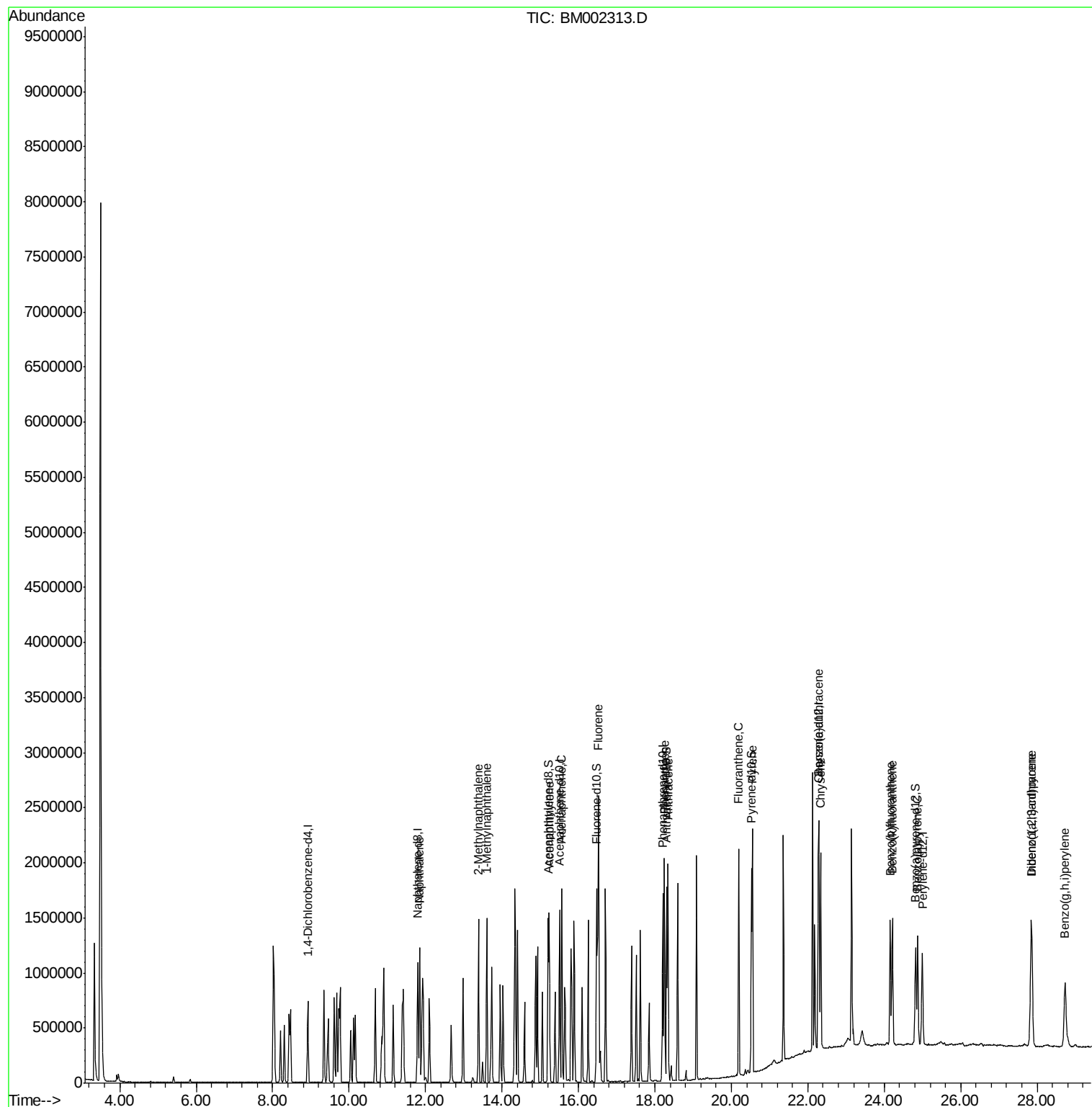
Target Compounds

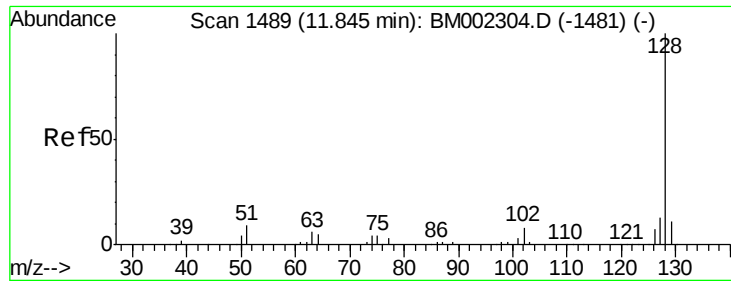
						Qvalue
3) Naphthalene	11.85	128	1050506	20.49	ng/ul	100
4) 2-Methylnaphthalene	13.39	142	723979	19.77	ng/ul	99
5) 1-Methylnaphthalene	13.60	142	713093	19.76	ng/ul	100
8) Acenaphthylene	15.23	152	1106865	20.66	ng/ul	100
9) Acenaphthene	15.56	153	741900	20.59	ng/ul	100
11) Fluorene	16.53	166	813998	20.06	ng/ul	100
13) Phenanthrene	18.25	178	1195739	20.77	ng/ul	99
15) Anthracene	18.34	178	1229563	20.67	ng/ul	100
16) Fluoranthene	20.19	202	1226526	19.24	ng/ul	97
19) Pyrene	20.55	202	1232750	23.83	ng/ul	99
20) Benzo(a)anthracene	22.28	228	1007888	20.63	ng/ul	100
21) Chrysene	22.34	228	937528	20.25	ng/ul	100
23) Benzo(b)fluoranthene	24.16	252	894329	20.90	ng/ul	99
24) Benzo(k)fluoranthene	24.22	252	873812	21.26	ng/ul	100
26) Benzo(a)pyrene	24.87	252	836631	20.43	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.85	276	943293	20.10	ng/ul	99
28) Dibenzo(a,h)anthracene	27.86	278	801237	20.15	ng/ul	99
29) Benzo(g,h,i)perylene	28.73	276	793438	20.04	ng/ul	98

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080915\
Data File : BM002313.D
Acq On : 09 Aug 2015 13:55
Operator : TP/UM
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 10 05:36:32 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





#3

Naphthalene

Concen: 20.49 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM002313.D

Acq: 09 Aug 2015 13:55

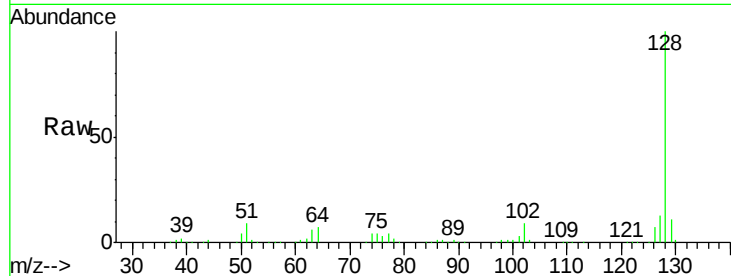
Tgt Ion:128 Resp: 1050506

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

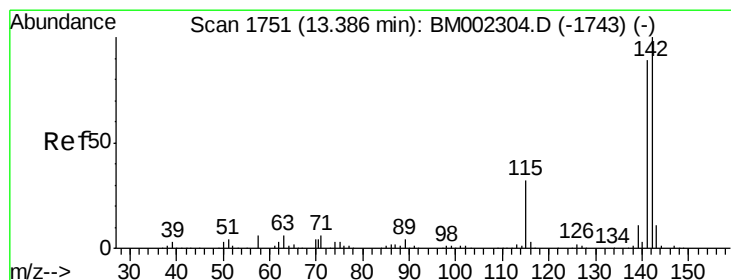
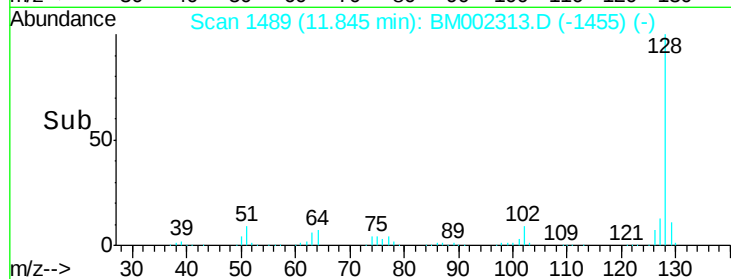
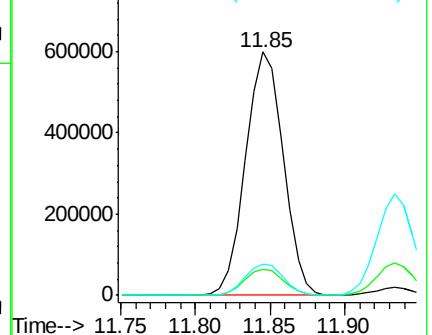
127 13.0 10.4 15.6



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: 19.77 ng/ul

RT: 13.39 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BM002313.D

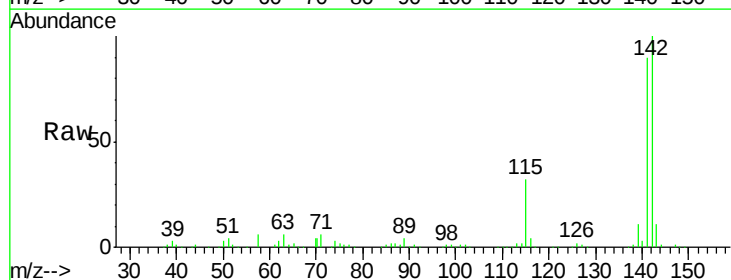
Acq: 09 Aug 2015 13:55

Tgt Ion:142 Resp: 723979

Ion Ratio Lower Upper

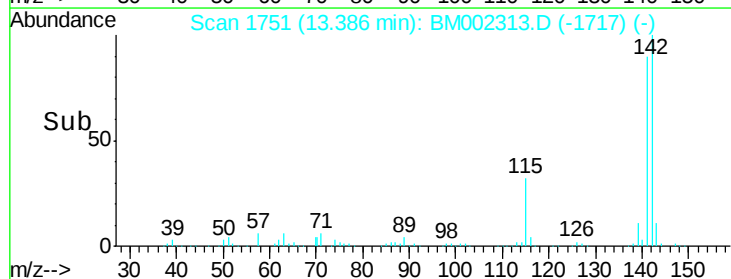
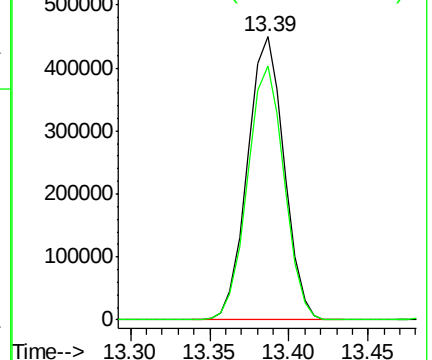
142 100

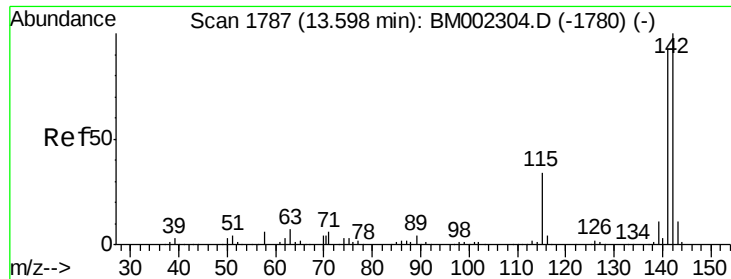
141 89.7 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.76 ng/ul

RT: 13.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BM002313.D

Acq: 09 Aug 2015 13:55

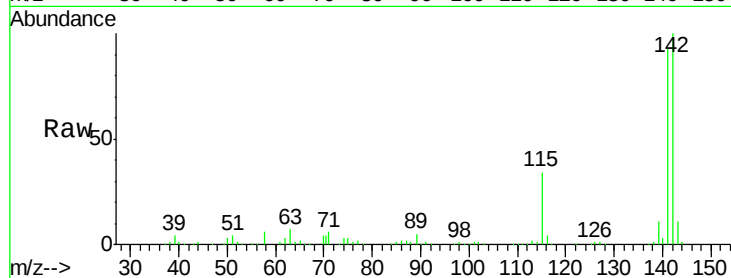
Tgt Ion:142 Resp: 713093

Ion Ratio Lower Upper

142 100

141 93.2 74.5 111.7

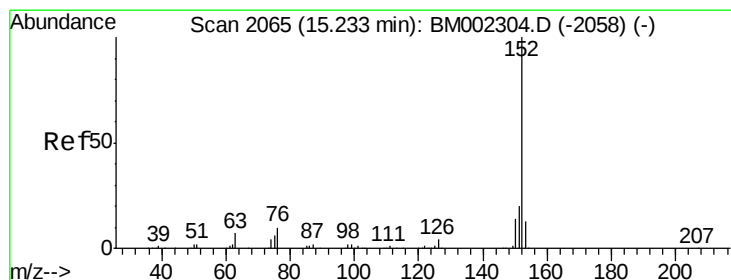
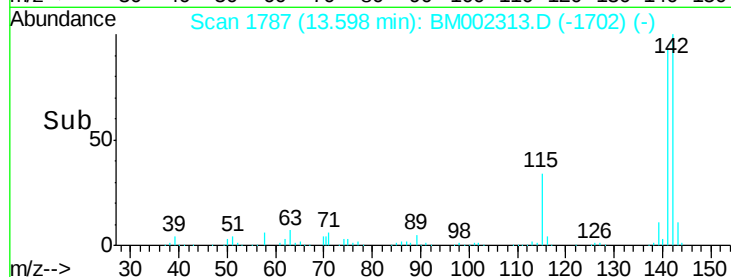
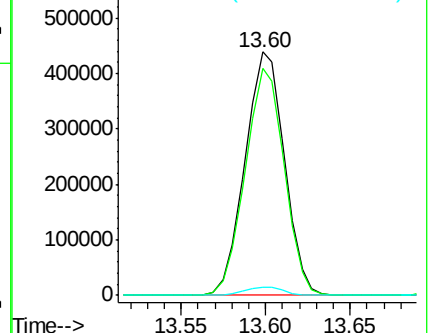
116 3.6 3.0 4.4



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



#8

Acenaphthylene

Concen: 20.66 ng/ul

RT: 15.23 min Scan# 2065

Delta R.T. 0.00 min

Lab File: BM002313.D

Acq: 09 Aug 2015 13:55

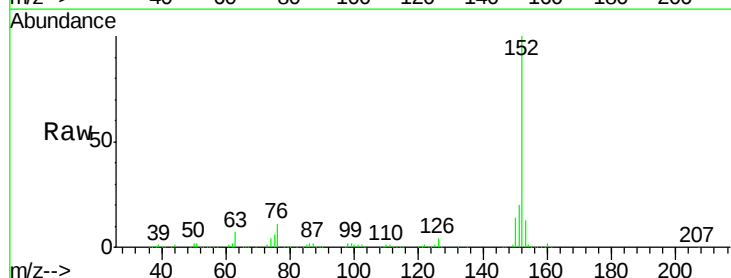
Tgt Ion:152 Resp: 1106865

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

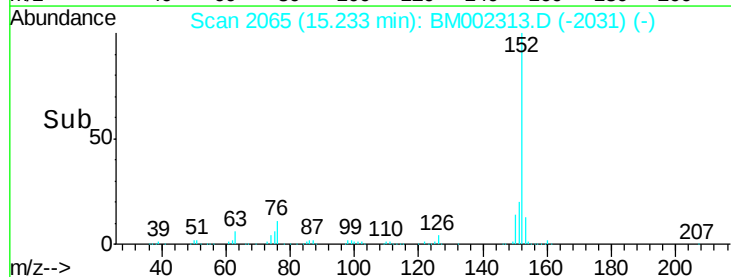
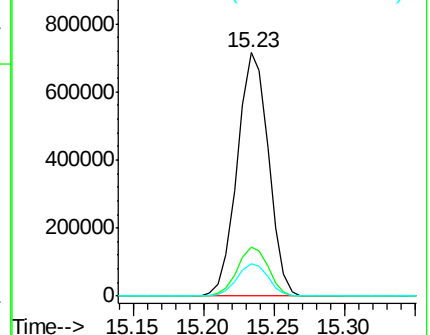
153 13.2 10.6 15.8

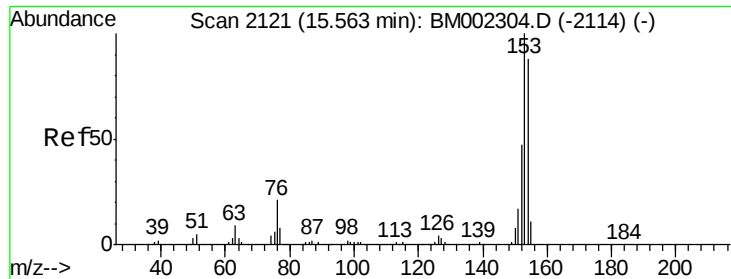


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.59 ng/ul

RT: 15.56 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BM002313.D

Acq: 09 Aug 2015 13:55

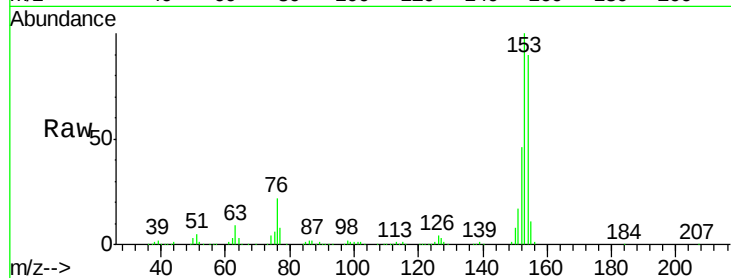
Tgt Ion:153 Resp: 741900

Ion Ratio Lower Upper

153 100

152 46.1 36.6 55.0

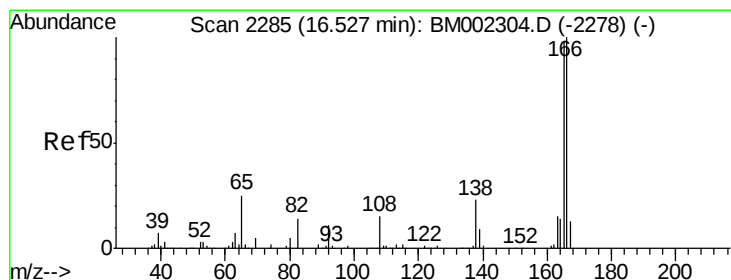
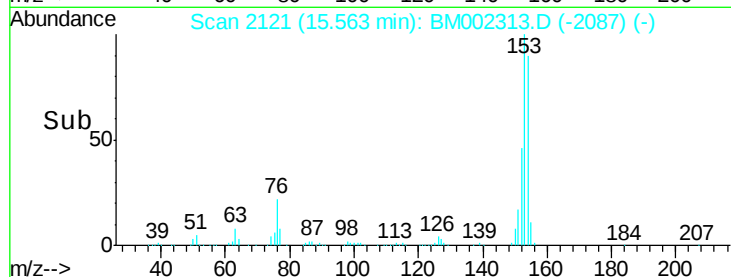
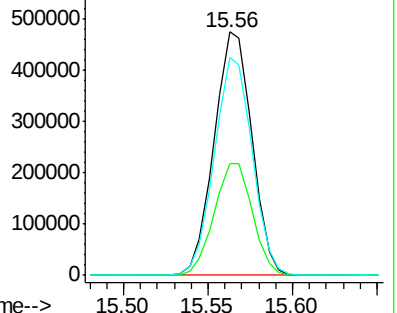
154 89.5 71.5 107.3



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: 20.06 ng/ul

RT: 16.53 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BM002313.D

Acq: 09 Aug 2015 13:55

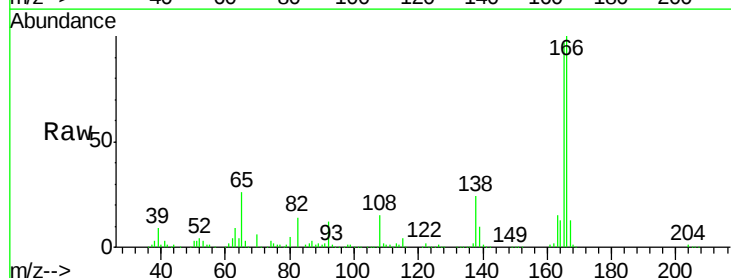
Tgt Ion:166 Resp: 813998

Ion Ratio Lower Upper

166 100

165 97.0 77.5 116.3

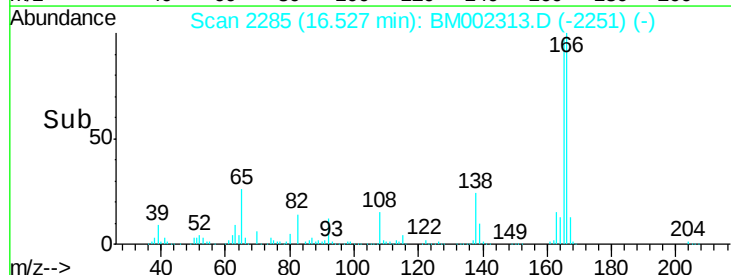
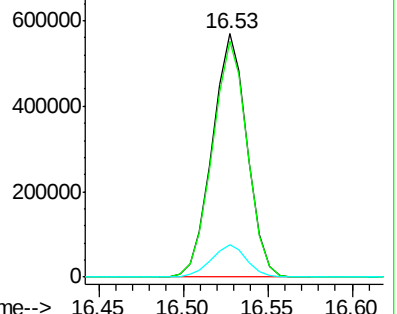
167 13.3 10.4 15.6

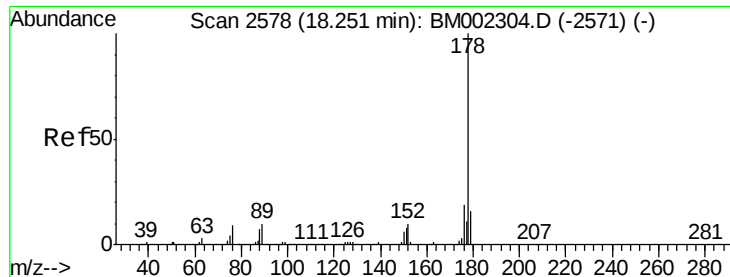


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

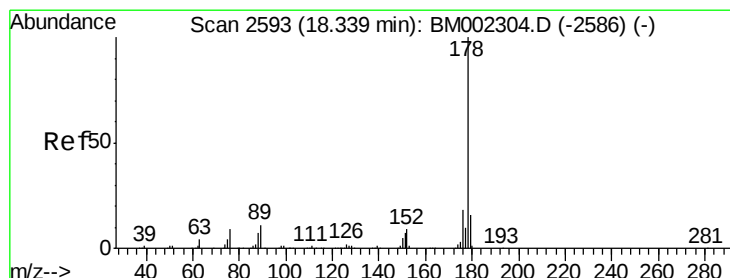
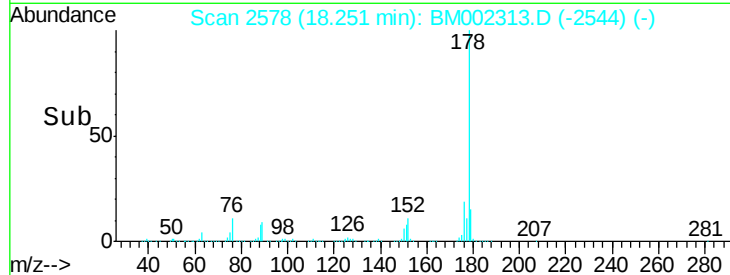
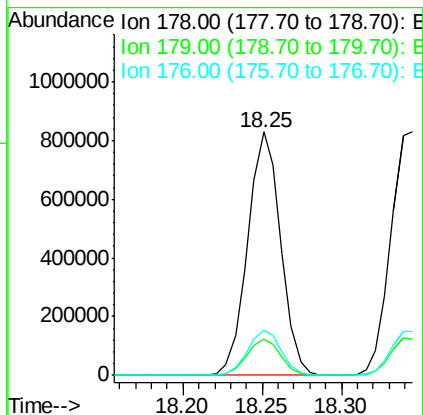
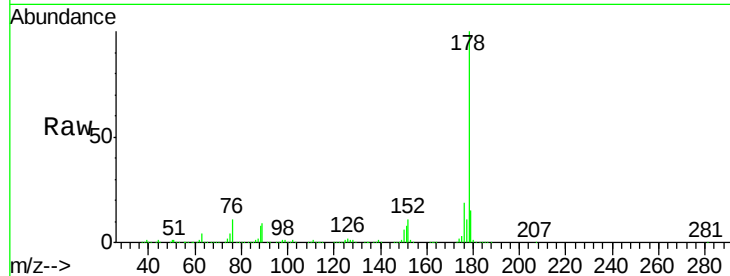
Ion 167.00 (166.70 to 167.70): E





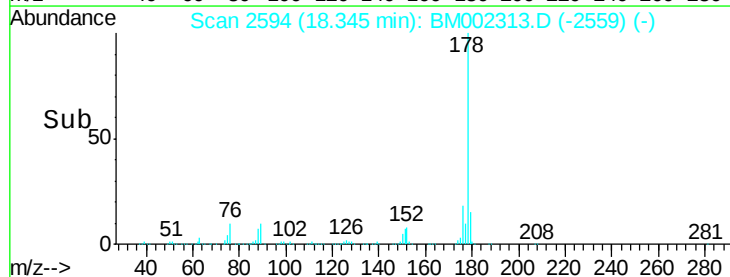
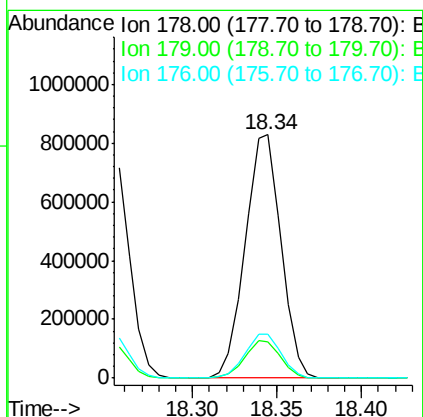
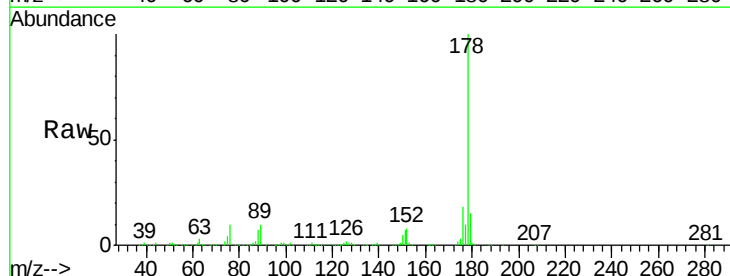
#13
Phenanthrene
Concen: 20.77 ng/ul
RT: 18.25 min Scan# 2578
Delta R.T. 0.00 min
Lab File: BM002313.D
Acq: 09 Aug 2015 13:55

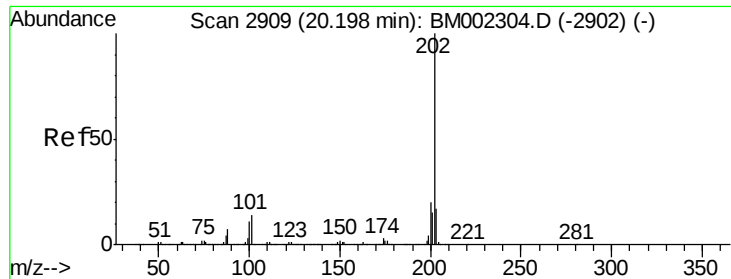
Tgt Ion:178 Resp: 1195739
Ion Ratio Lower Upper
178 100
179 15.1 12.3 18.5
176 18.7 15.3 22.9



#15
Anthracene
Concen: 20.67 ng/ul
RT: 18.34 min Scan# 2594
Delta R.T. 0.01 min
Lab File: BM002313.D
Acq: 09 Aug 2015 13:55

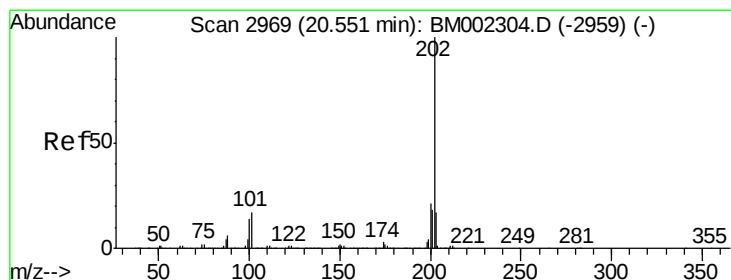
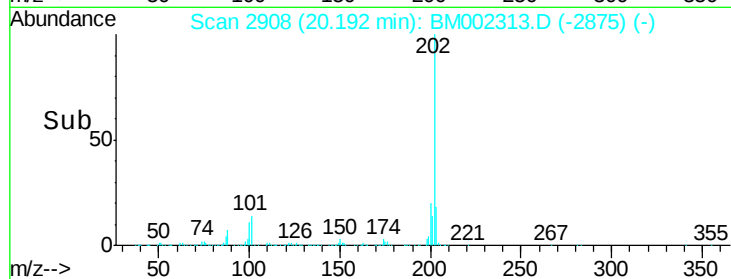
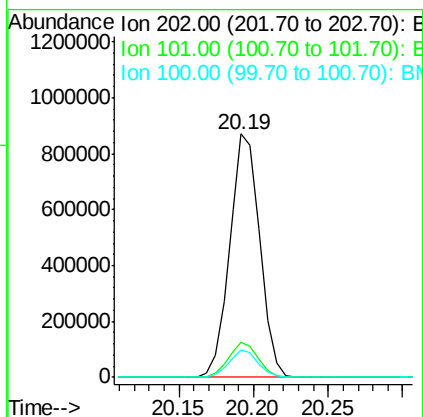
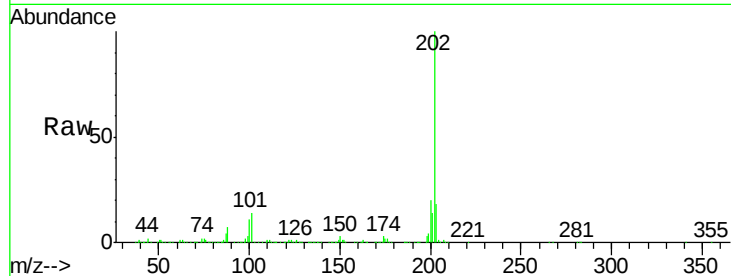
Tgt Ion:178 Resp: 1229563
Ion Ratio Lower Upper
178 100
179 15.0 12.3 18.5
176 18.1 14.5 21.7





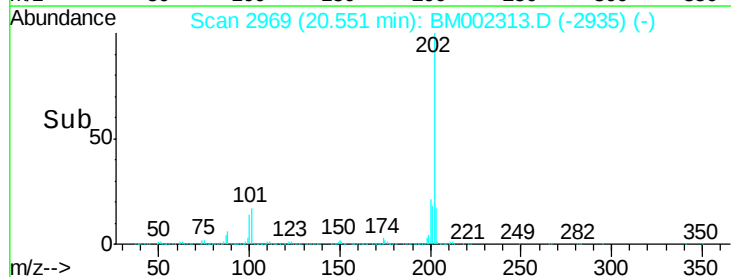
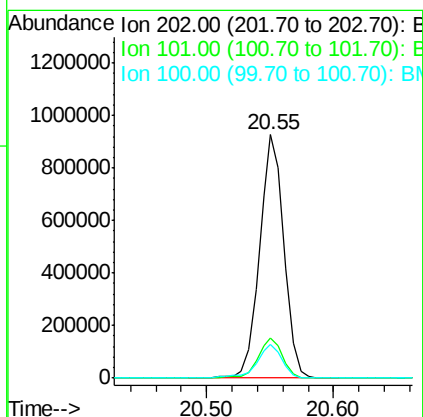
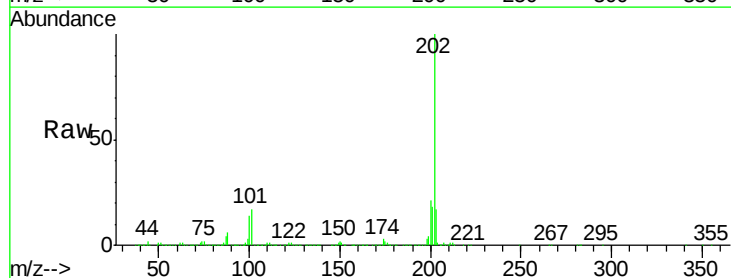
#16
Fluoranthene
 Concen: 19.24 ng/ul
 RT: 20.19 min Scan# 2908
 Delta R.T. -0.01 min
 Lab File: BM002313.D
 Acq: 09 Aug 2015 13:55

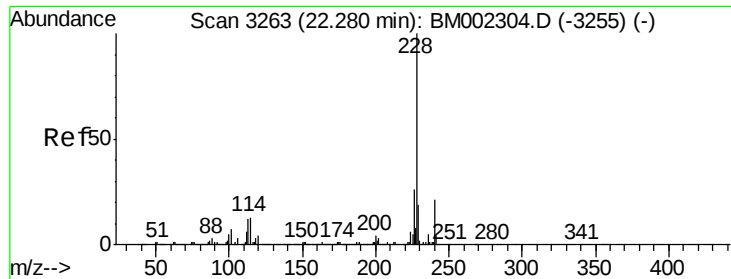
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	10.6	15.8
100	11.3	8.2	12.4



#19
Pyrene
 Concen: 23.83 ng/ul
 RT: 20.55 min Scan# 2969
 Delta R.T. 0.00 min
 Lab File: BM002313.D
 Acq: 09 Aug 2015 13:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.7	13.0	19.6
100	13.8	11.0	16.4





#20

Benzo(a)anthracene

Concen: 20.63 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.00 min

Lab File: BM002313.D

Acq: 09 Aug 2015 13:55

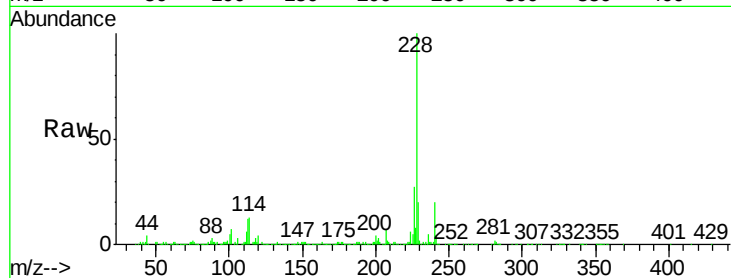
Tgt Ion:228 Resp: 1007888

Ion Ratio Lower Upper

228 100

229 19.8 15.7 23.5

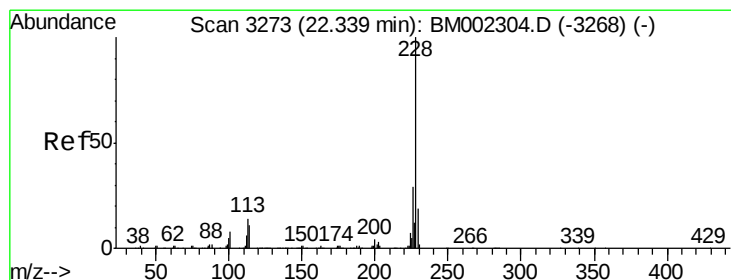
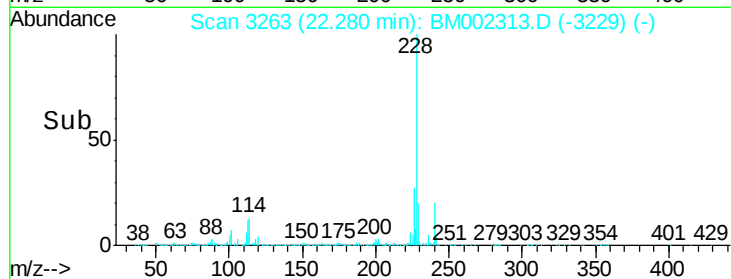
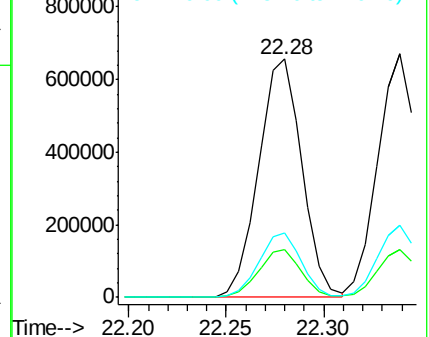
226 27.0 21.4 32.0



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: 20.25 ng/ul

RT: 22.34 min Scan# 3273

Delta R.T. 0.00 min

Lab File: BM002313.D

Acq: 09 Aug 2015 13:55

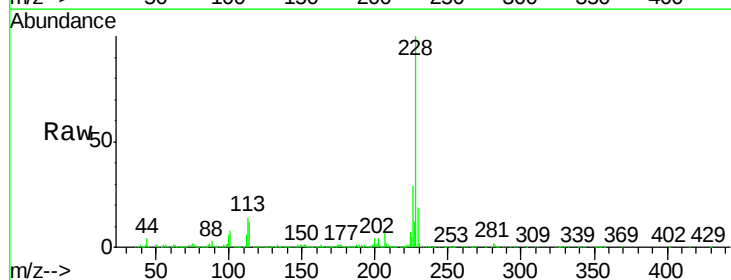
Tgt Ion:228 Resp: 937528

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.0

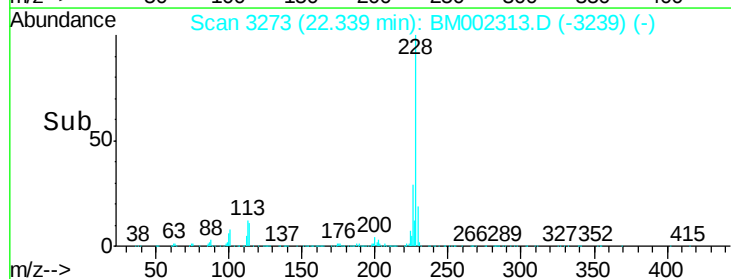
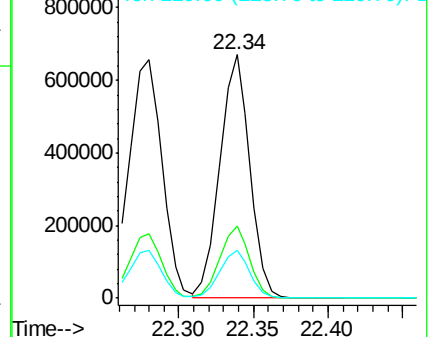
229 19.4 15.5 23.3

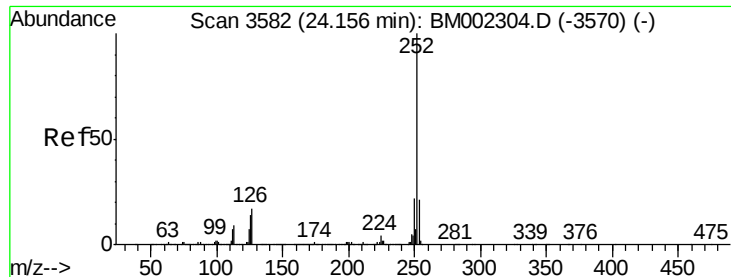


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 20.90 ng/ul

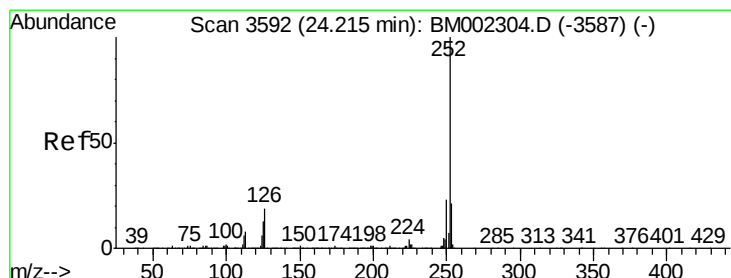
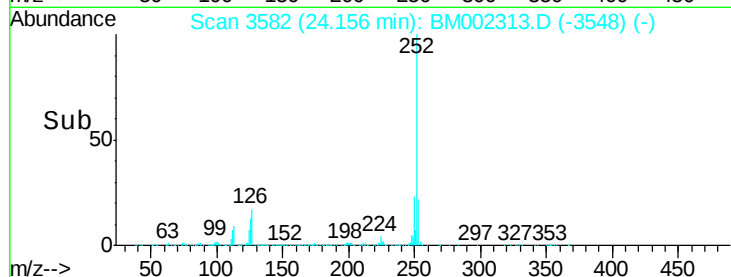
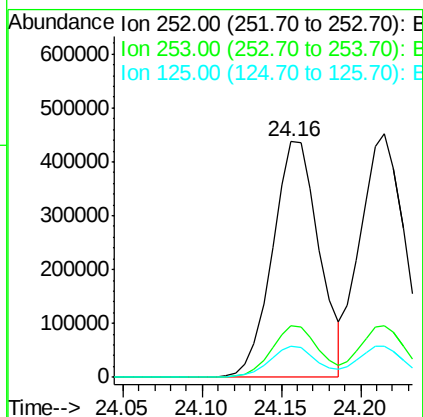
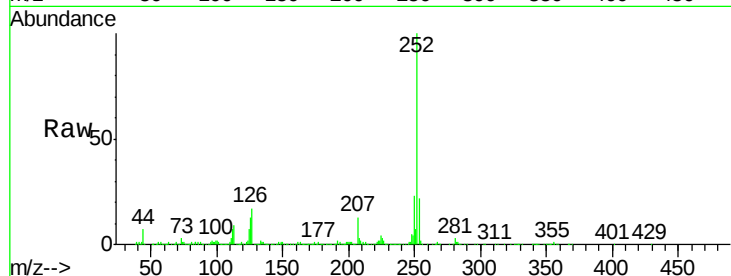
RT: 24.16 min Scan# 3582

Delta R.T. 0.00 min

Lab File: BM002313.D

Acq: 09 Aug 2015 13:55

Tgt Ion:	252	Resp:	894329
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	13.1	10.3	15.5



#24

Benzo(k)fluoranthene

Concen: 21.26 ng/ul

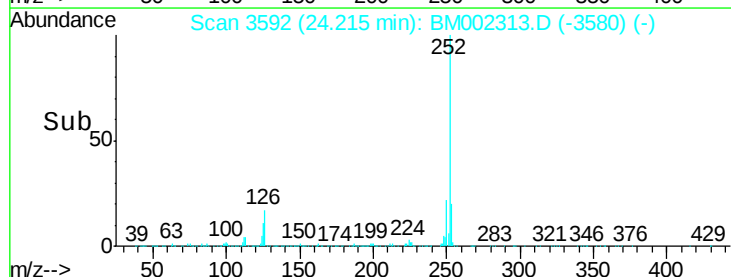
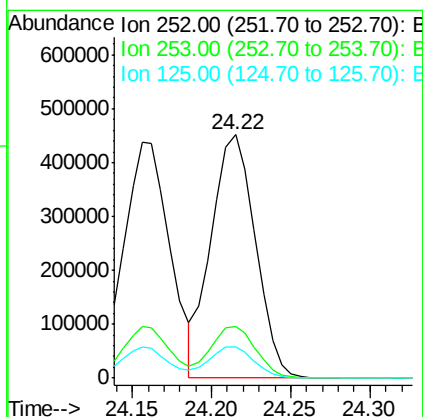
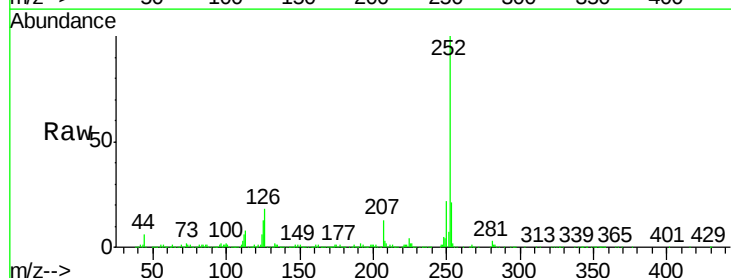
RT: 24.22 min Scan# 3592

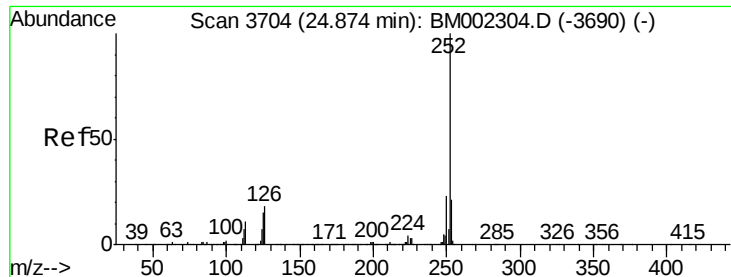
Delta R.T. 0.00 min

Lab File: BM002313.D

Acq: 09 Aug 2015 13:55

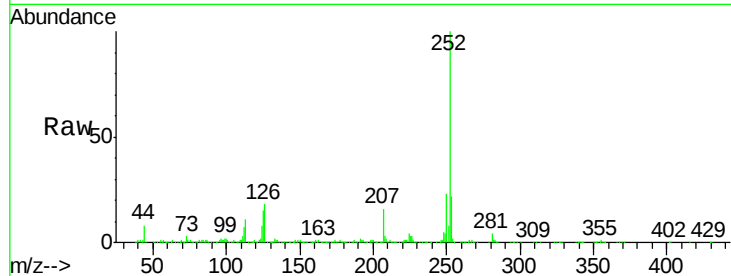
Tgt Ion:	252	Resp:	873812
Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.3	25.9
125	12.9	10.2	15.4



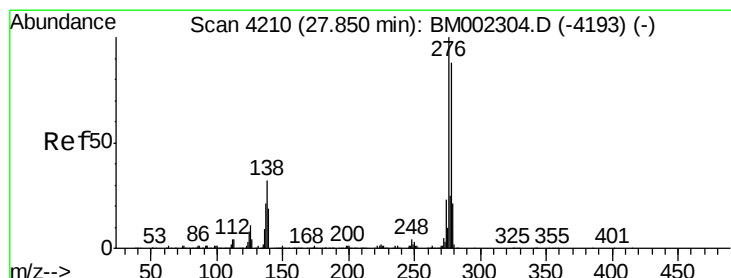
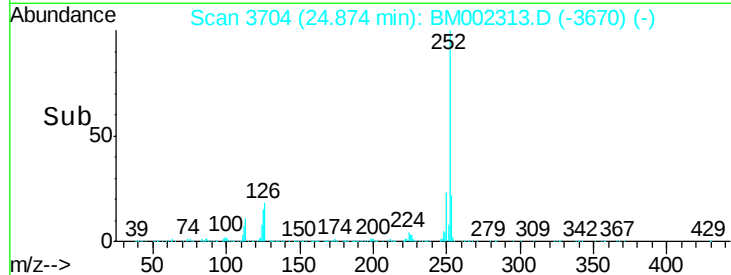
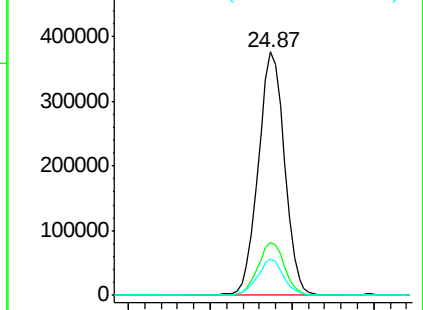


#26
Benzo(a)pyrene
Concen: 20.43 ng/ul
RT: 24.87 min Scan# 3704
Delta R.T. 0.00 min
Lab File: BM002313.D
Acq: 09 Aug 2015 13:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	14.9	11.0	16.6

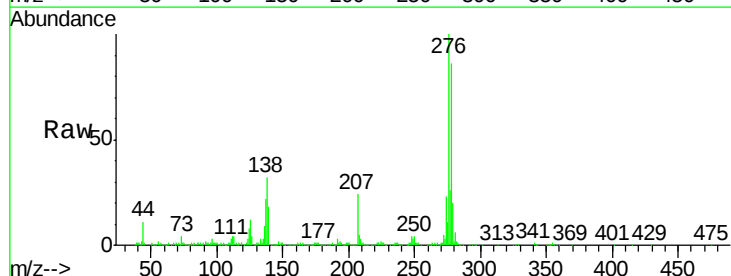


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

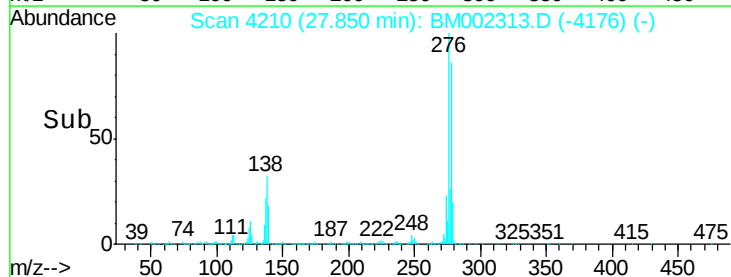
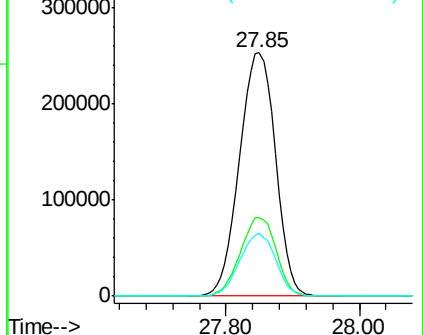


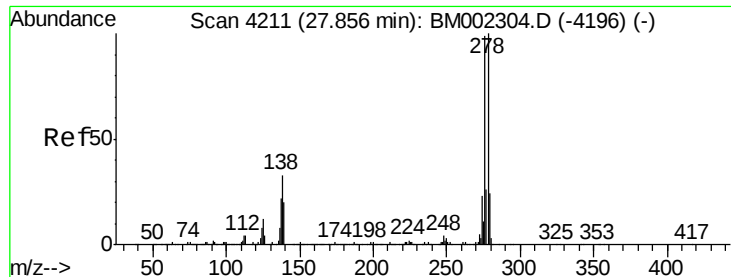
#27
Indeno(1,2,3-cd)pyrene
Concen: 20.10 ng/ul
RT: 27.85 min Scan# 4210
Delta R.T. 0.00 min
Lab File: BM002313.D
Acq: 09 Aug 2015 13:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.3	25.6	38.4
277	25.9	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





#28

Dibenzo(a,h)anthracene

Concen: 20.15 ng/ul

RT: 27.86 min Scan# 4212

Delta R.T. 0.01 min

Lab File: BM002313.D

Acq: 09 Aug 2015 13:55

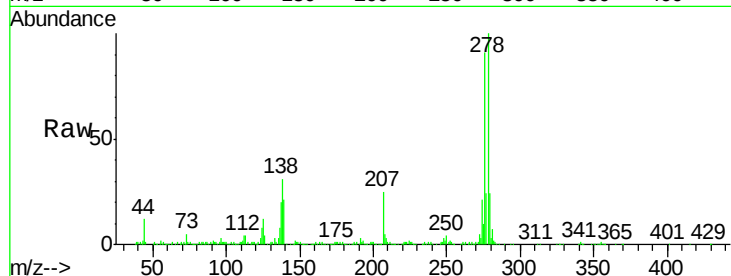
Tgt Ion: 278 Resp: 801237

Ion	Ratio	Lower	Upper
278	100		
139	21.0	16.4	24.6
279	23.8	18.8	28.2

278 100

139 21.0 16.4 24.6

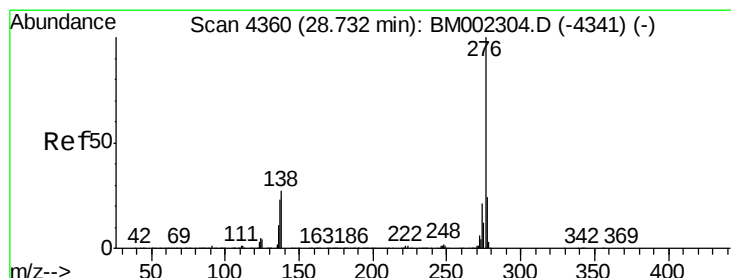
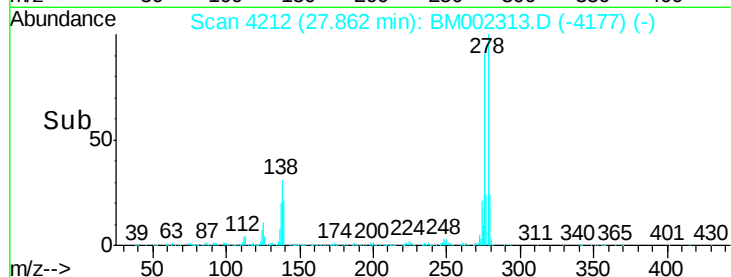
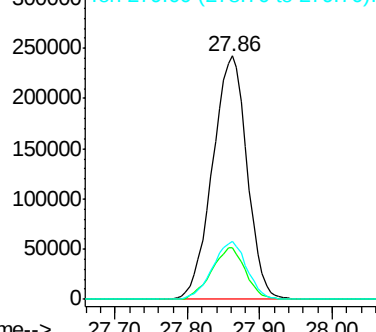
279 23.8 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#29

Benzo(g,h,i)perylene

Concen: 20.04 ng/ul

RT: 28.73 min Scan# 4360

Delta R.T. 0.00 min

Lab File: BM002313.D

Acq: 09 Aug 2015 13:55

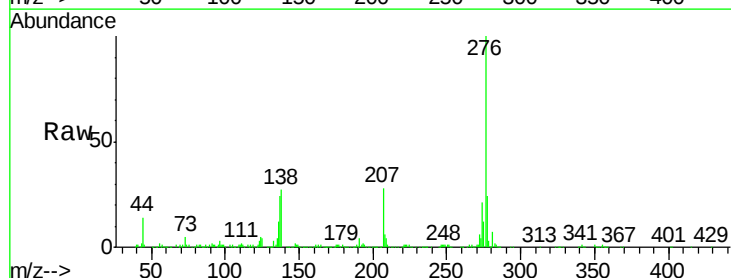
Tgt Ion: 276 Resp: 793438

Ion	Ratio	Lower	Upper
276	100		
138	26.9	20.5	30.7
277	24.3	19.0	28.6

276 100

138 26.9 20.5 30.7

277 24.3 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

