

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080915\
 Data File : BM002304.D
 Acq On : 09 Aug 2015 08:29
 Operator : TP/UM
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 10 05:32:17 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Aug 09 06:16:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	219898	20.00	ng/ul	0.00
2) Naphthalene-d8	11.79	136	1022893	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	524597	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1048040	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	838077	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	706322	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	15.20	160	1114839	20.51	ng/ul	0.00
10) Fluorene-d10	16.47	176	751937	19.89	ng/ul	0.00
14) Anthracene-d10	18.30	188	1051008	20.67	ng/ul	0.00
18) Pyrene-d10	20.52	212	973219	23.94	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	774219	20.64	ng/ul	0.00

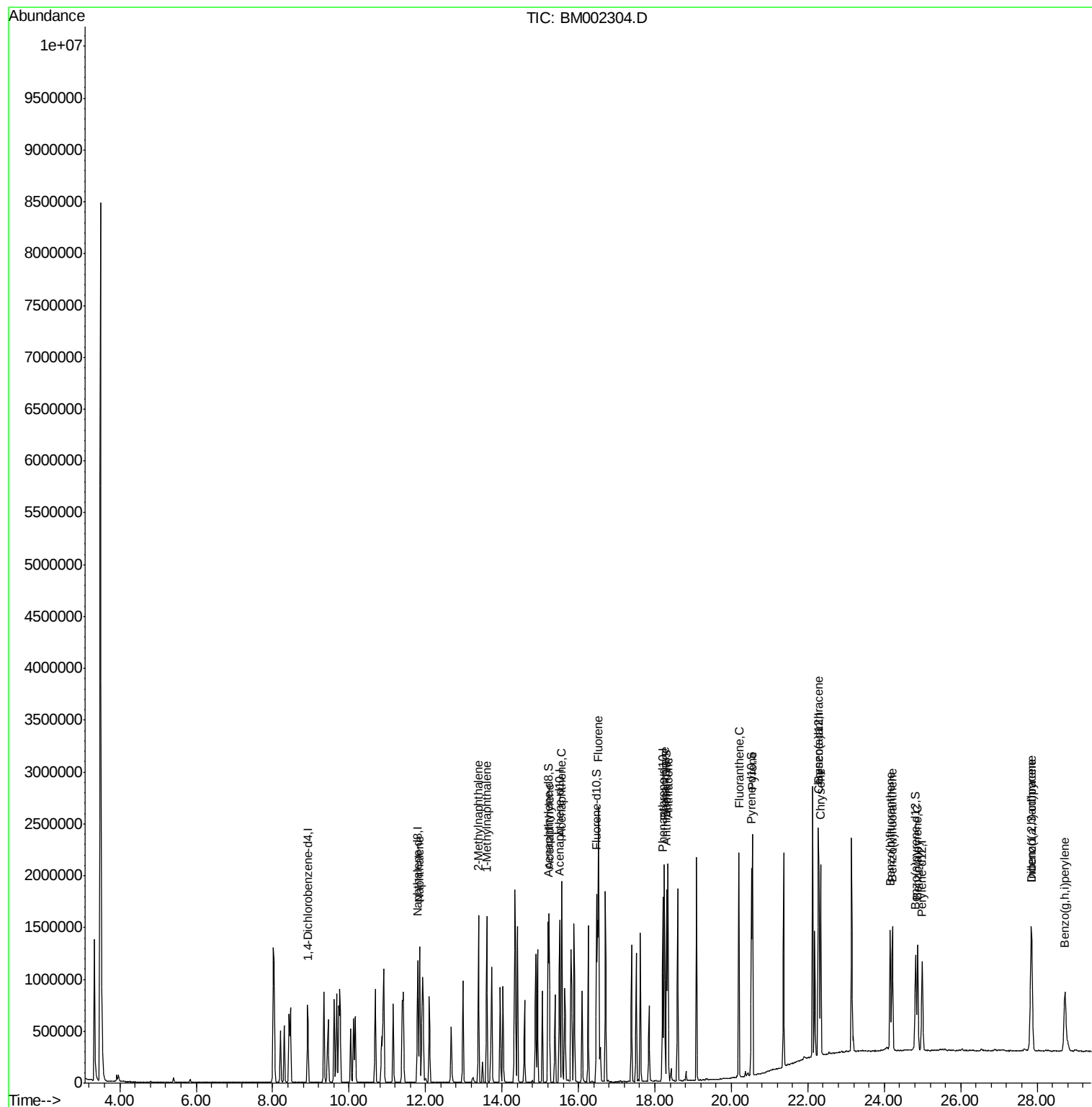
Target Compounds

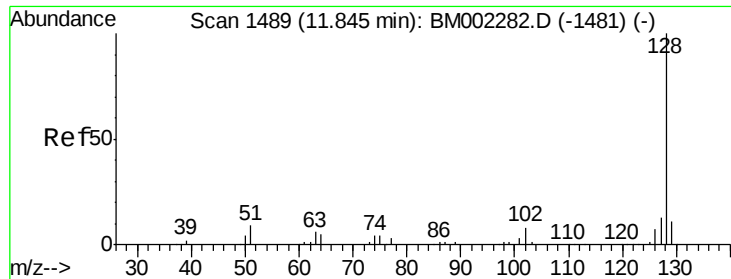
						Qvalue
3) Naphthalene	11.85	128	1104653	20.51	ng/ul	100
4) 2-Methylnaphthalene	13.39	142	764632	19.87	ng/ul	98
5) 1-Methylnaphthalene	13.60	142	747172	19.70	ng/ul	99
8) Acenaphthylene	15.23	152	1162150	20.60	ng/ul	100
9) Acenaphthene	15.56	153	784546	20.67	ng/ul	99
11) Fluorene	16.53	166	858248	20.08	ng/ul	99
13) Phenanthrene	18.25	178	1248705	20.70	ng/ul	100
15) Anthracene	18.34	178	1287529	20.67	ng/ul	100
16) Fluoranthene	20.20	202	1290155	19.32	ng/ul	99
19) Pyrene	20.55	202	1299146	23.98	ng/ul	99
20) Benzo(a)anthracene	22.28	228	1053594	20.59	ng/ul	99
21) Chrysene	22.34	228	983996	20.30	ng/ul	100
23) Benzo(b)fluoranthene	24.16	252	924743	21.06	ng/ul	98
24) Benzo(k)fluoranthene	24.22	252	897315	21.28	ng/ul	100
26) Benzo(a)pyrene	24.87	252	855256	20.36	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.85	276	952809	19.79	ng/ul	99
28) Dibenzo(a,h)anthracene	27.86	278	805028	19.73	ng/ul	99
29) Benzo(g,h,i)perylene	28.73	276	798006	19.64	ng/ul	98

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

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Quant Title : SVOA CALIBRATION
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#3

Naphthalene

Concen: 20.51 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM002304.D

Acq: 09 Aug 2015 08:29

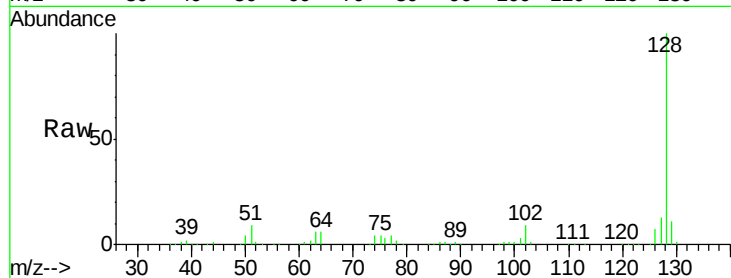
Tgt Ion:128 Resp: 1104653

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

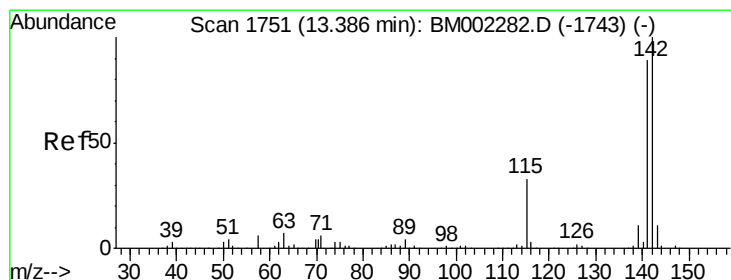
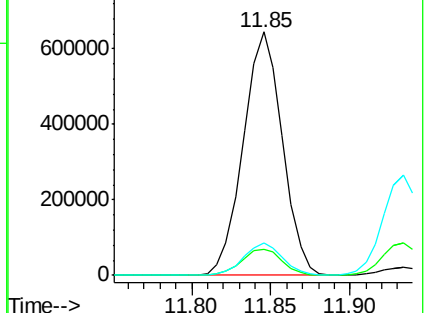
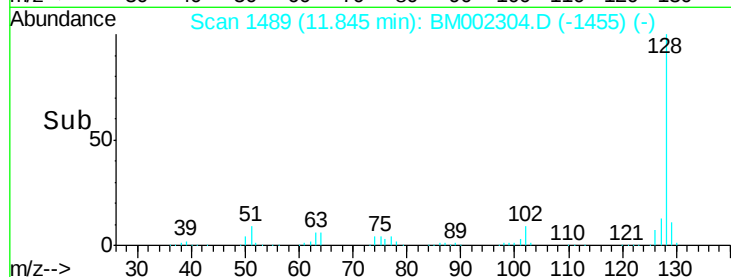
127 13.1 10.4 15.6



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: 19.87 ng/ul

RT: 13.39 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BM002304.D

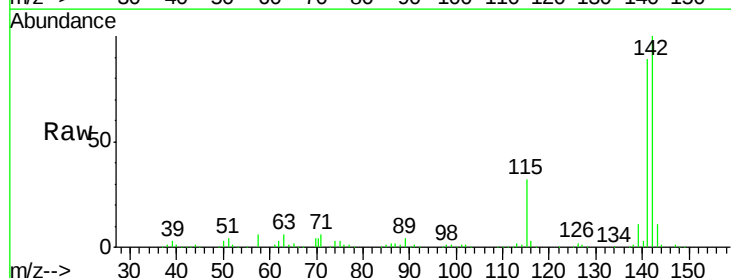
Acq: 09 Aug 2015 08:29

Tgt Ion:142 Resp: 764632

Ion Ratio Lower Upper

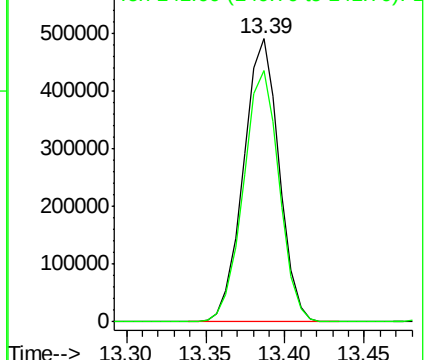
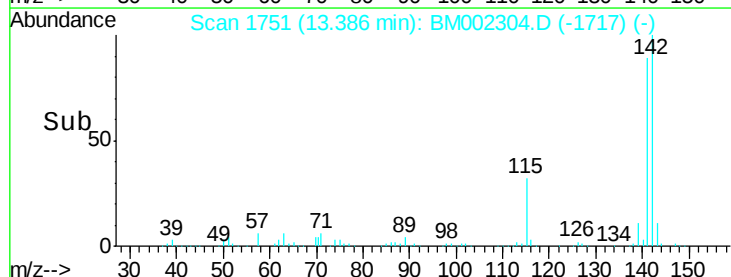
142 100

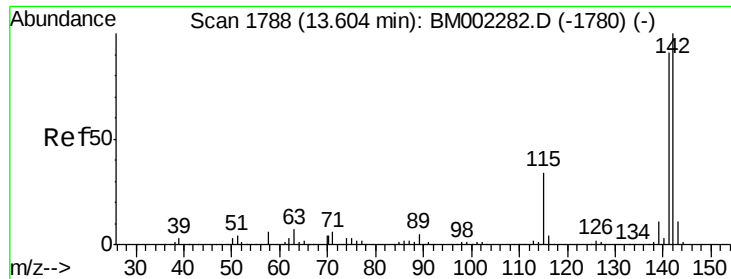
141 89.0 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

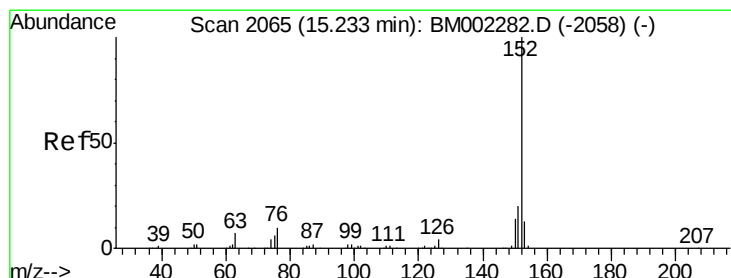
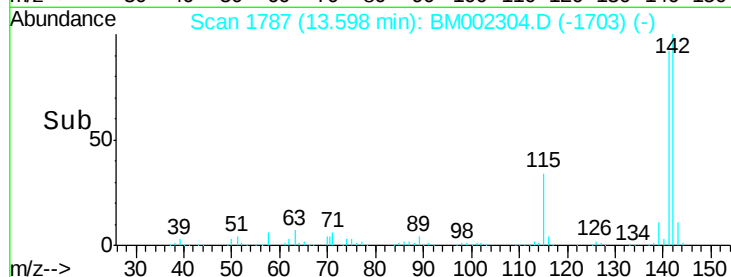
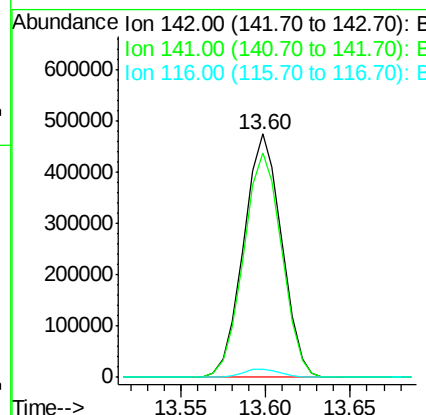
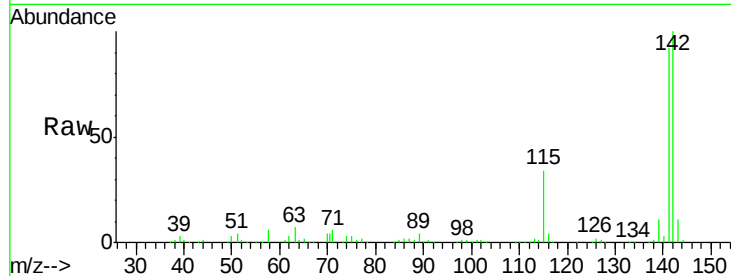
Ion 141.00 (140.70 to 141.70): E





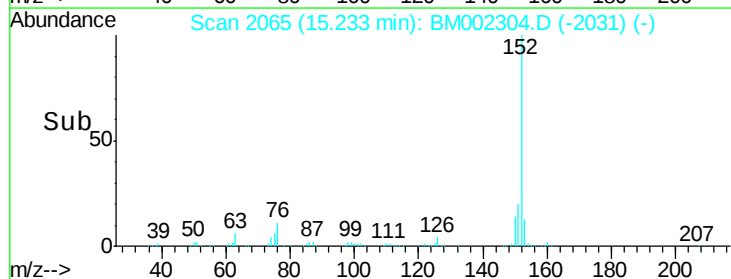
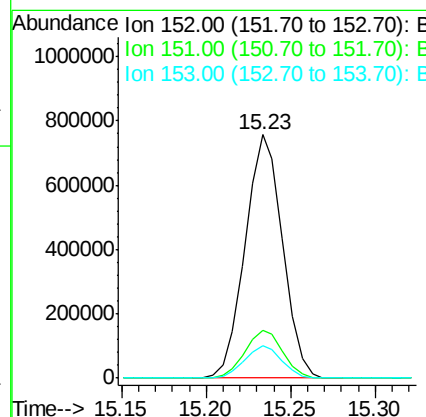
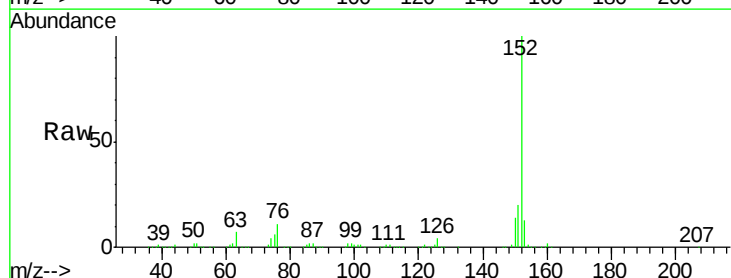
#5
 1-Methylnaphthalene
 Concen: 19.70 ng/ul
 RT: 13.60 min Scan# 1787
 Delta R.T. -0.01 min
 Lab File: BM002304.D
 Acq: 09 Aug 2015 08:29

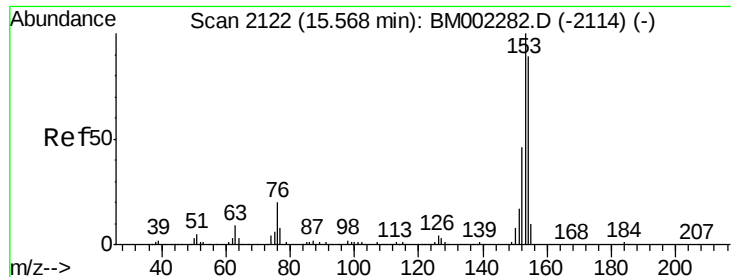
Tgt Ion:142 Resp: 747172
 Ion Ratio Lower Upper
 142 100
 141 91.9 74.5 111.7
 116 3.5 3.0 4.4



#8
 Acenaphthylene
 Concen: 20.60 ng/ul
 RT: 15.23 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: BM002304.D
 Acq: 09 Aug 2015 08:29

Tgt Ion:152 Resp: 1162150
 Ion Ratio Lower Upper
 152 100
 151 19.8 15.9 23.9
 153 13.2 10.6 15.8





#9

Acenaphthene

Concen: 20.67 ng/ul

RT: 15.56 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BM002304.D

Acq: 09 Aug 2015 08:29

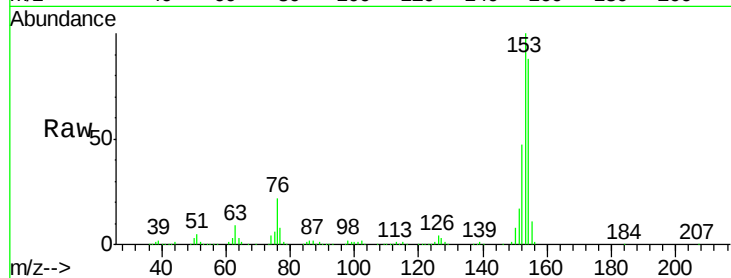
Tgt Ion:153 Resp: 784546

Ion Ratio Lower Upper

153 100

152 46.7 36.6 55.0

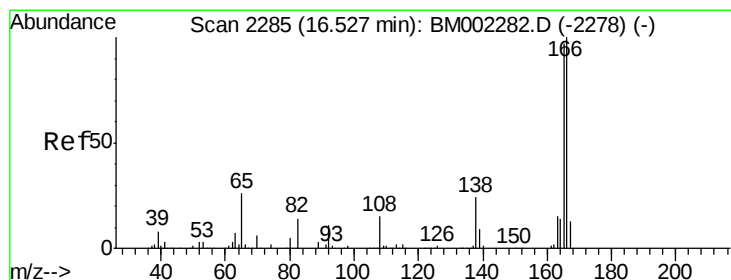
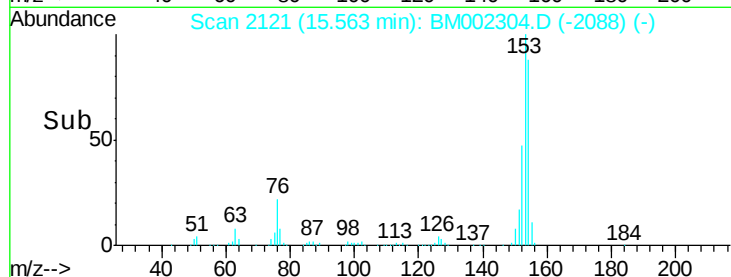
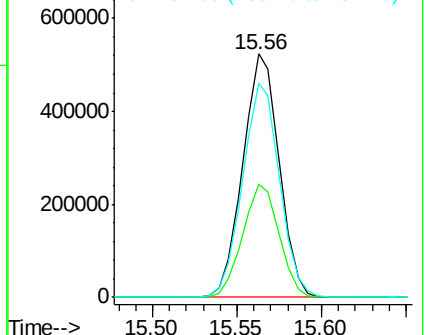
154 87.9 71.5 107.3



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: 20.08 ng/ul

RT: 16.53 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BM002304.D

Acq: 09 Aug 2015 08:29

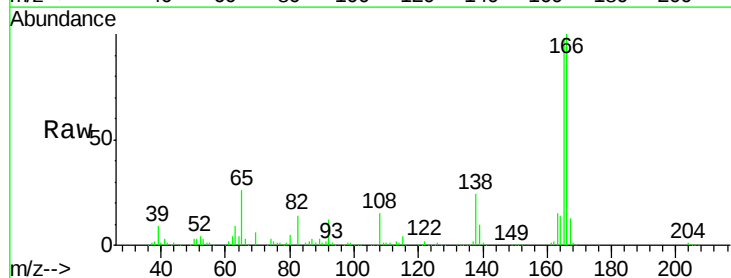
Tgt Ion:166 Resp: 858248

Ion Ratio Lower Upper

166 100

165 98.0 77.5 116.3

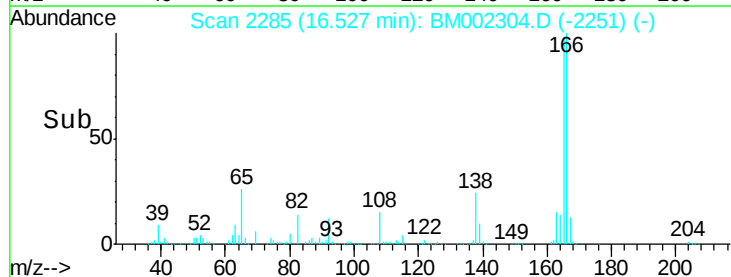
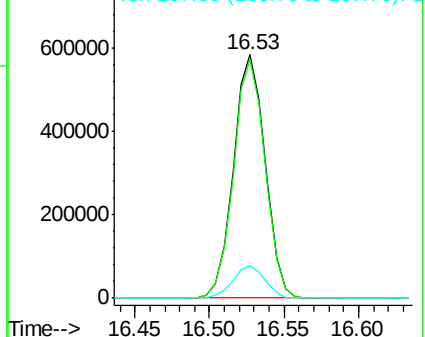
167 13.3 10.4 15.6

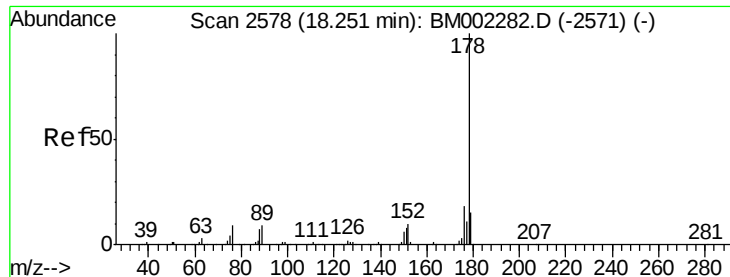


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

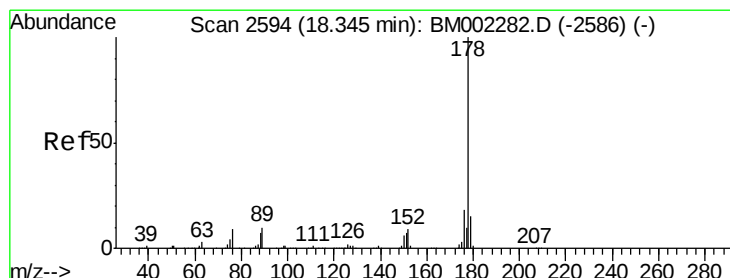
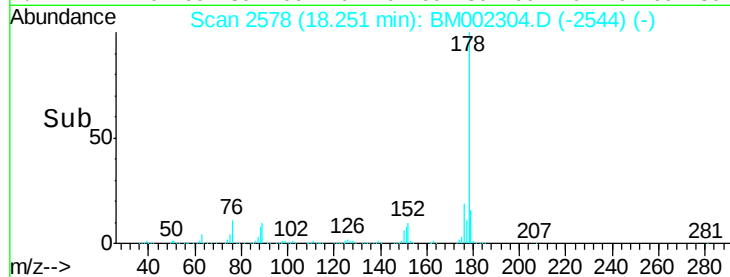
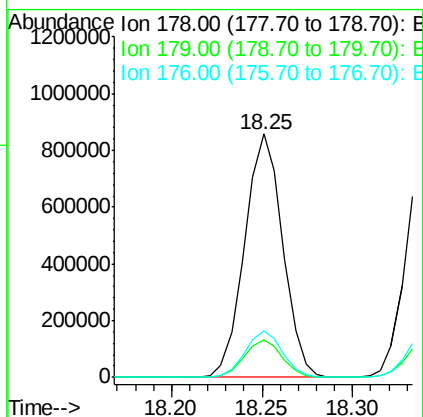
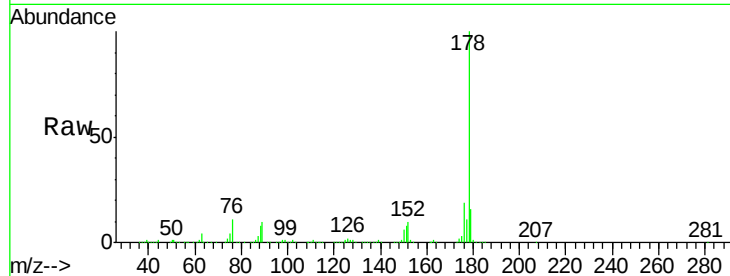
Ion 167.00 (166.70 to 167.70): E





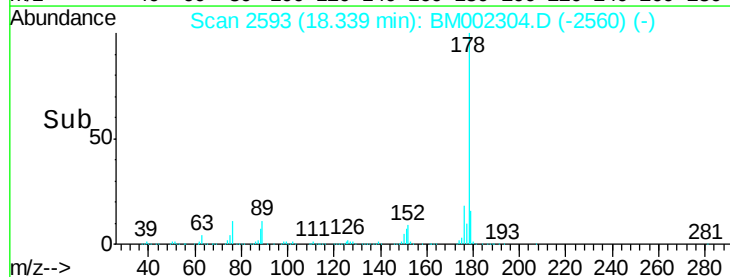
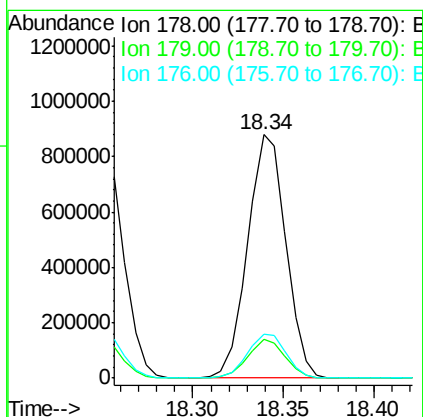
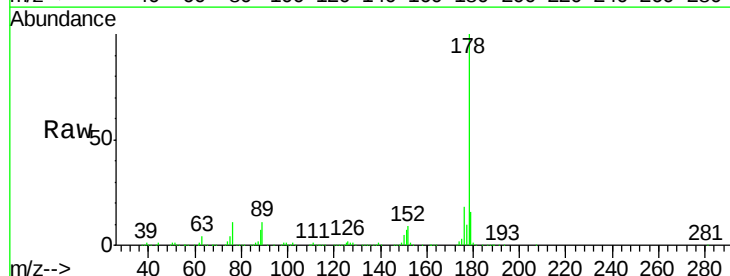
#13
Phenanthrene
Concen: 20.70 ng/ul
RT: 18.25 min Scan# 2578
Delta R.T. 0.00 min
Lab File: BM002304.D
Acq: 09 Aug 2015 08:29

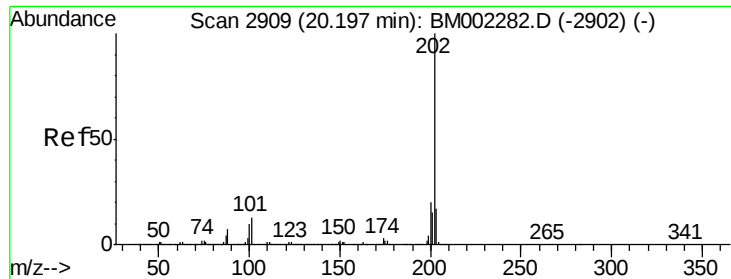
Tgt Ion:178 Resp: 1248705
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 19.0 15.3 22.9



#15
Anthracene
Concen: 20.67 ng/ul
RT: 18.34 min Scan# 2593
Delta R.T. -0.01 min
Lab File: BM002304.D
Acq: 09 Aug 2015 08:29

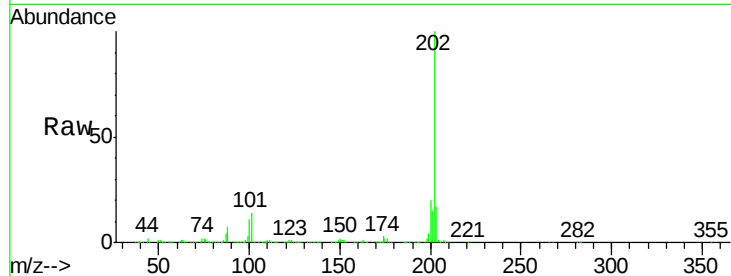
Tgt Ion:178 Resp: 1287529
Ion Ratio Lower Upper
178 100
179 15.7 12.3 18.5
176 18.1 14.5 21.7



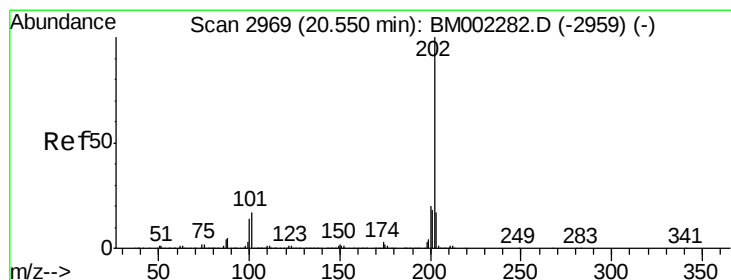
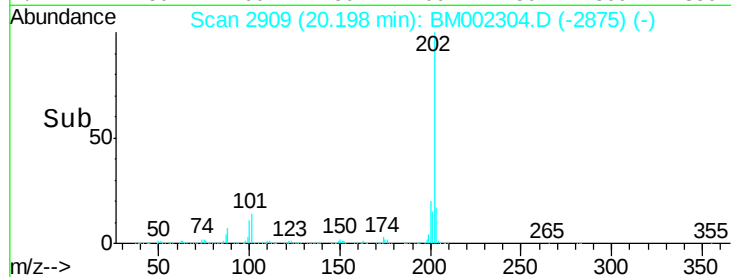
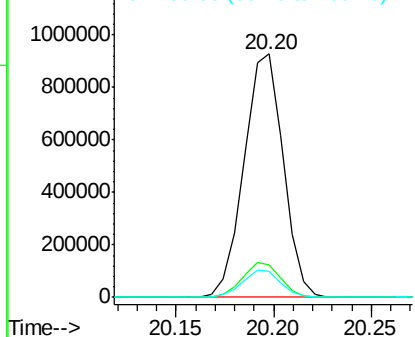


#16
 Fluoranthene
 Concen: 19.32 ng/ul
 RT: 20.20 min Scan# 2909
 Delta R.T. 0.00 min
 Lab File: BM002304.D
 Acq: 09 Aug 2015 08:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	10.6	15.8
100	10.5	8.2	12.4

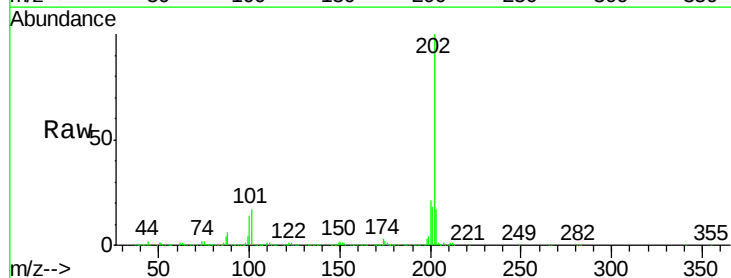


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

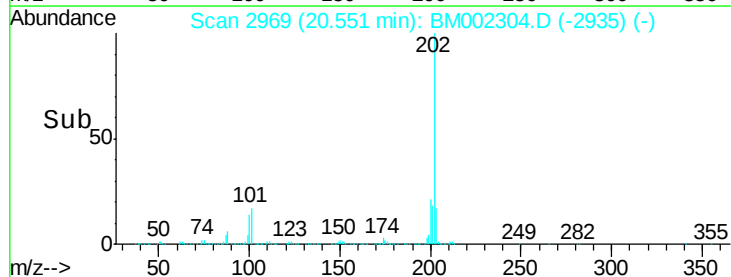
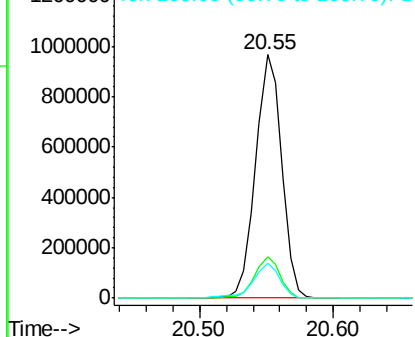


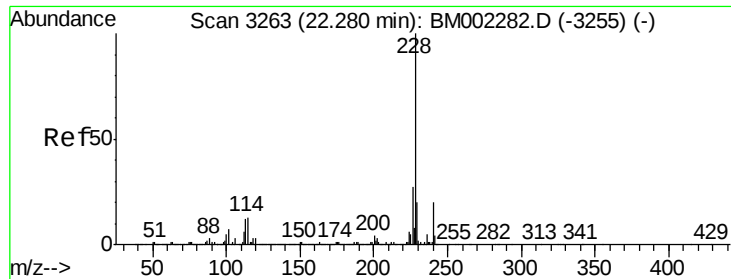
#19
 Pyrene
 Concen: 23.98 ng/ul
 RT: 20.55 min Scan# 2969
 Delta R.T. 0.00 min
 Lab File: BM002304.D
 Acq: 09 Aug 2015 08:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.9	13.0	19.6
100	14.2	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: 20.59 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.00 min

Lab File: BM002304.D

Acq: 09 Aug 2015 08:29

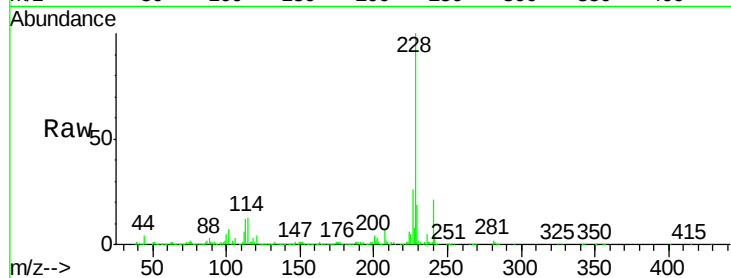
Tgt Ion:228 Resp: 1053594

Ion Ratio Lower Upper

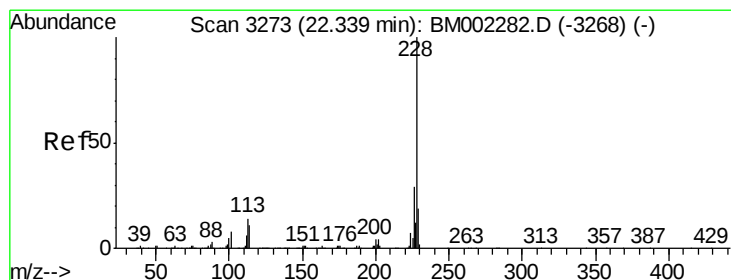
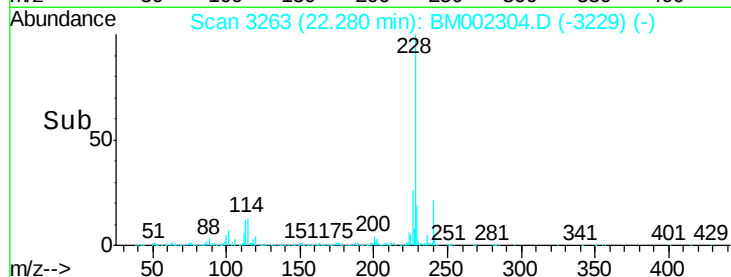
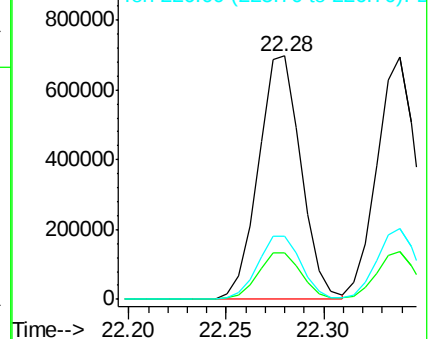
228 100

229 18.9 15.7 23.5

226 26.2 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: 20.30 ng/ul

RT: 22.34 min Scan# 3273

Delta R.T. 0.00 min

Lab File: BM002304.D

Acq: 09 Aug 2015 08:29

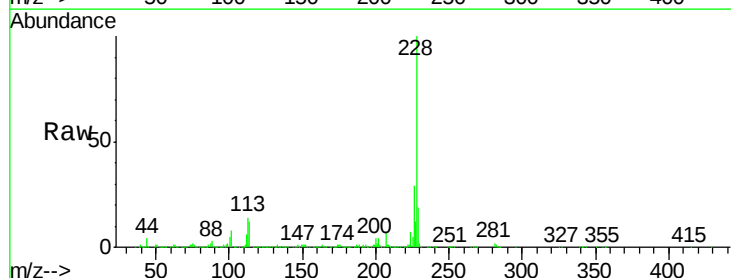
Tgt Ion:228 Resp: 983996

Ion Ratio Lower Upper

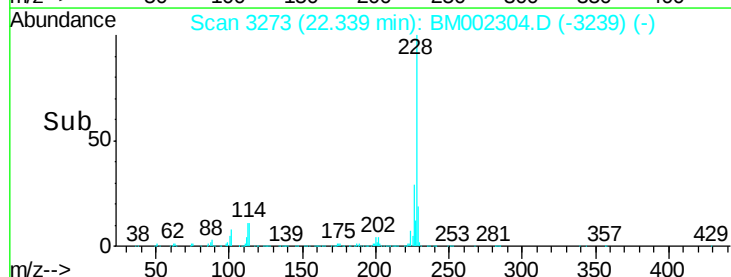
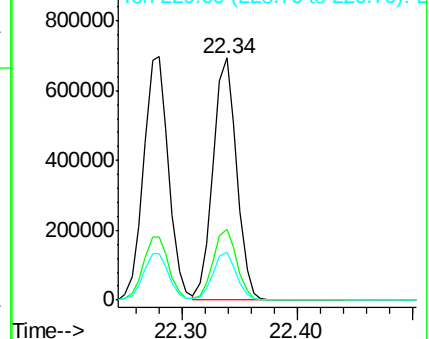
228 100

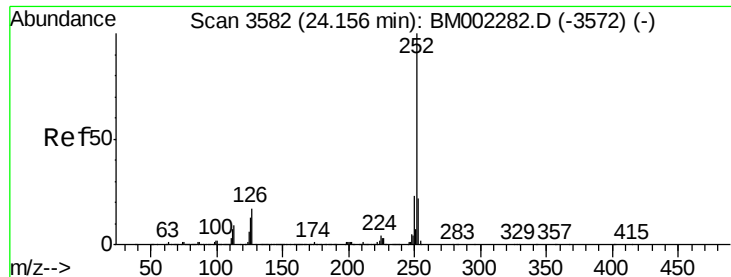
226 29.4 23.4 35.0

229 19.5 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: 21.06 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. 0.00 min

Lab File: BM002304.D

Acq: 09 Aug 2015 08:29

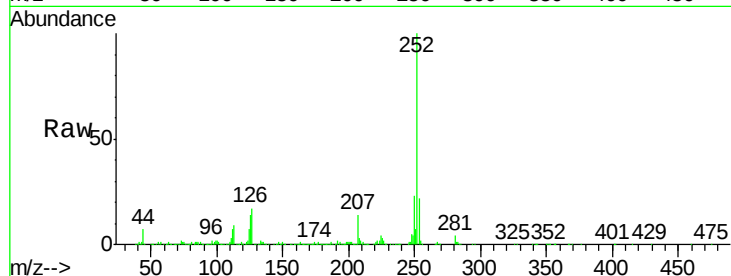
Tgt Ion:252 Resp: 924743

Ion Ratio Lower Upper

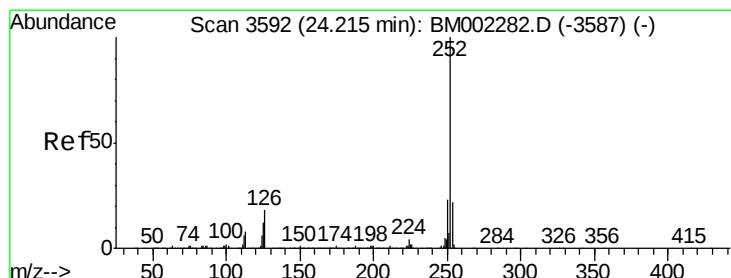
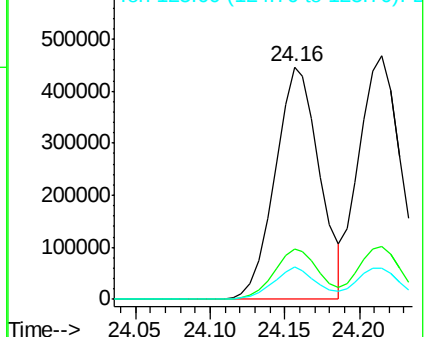
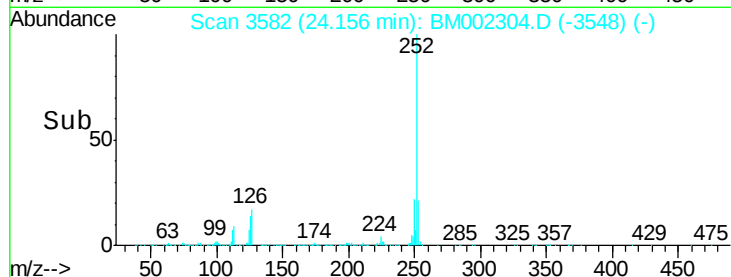
252 100

253 21.6 17.9 26.9

125 13.8 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: 21.28 ng/ul

RT: 24.22 min Scan# 3592

Delta R.T. 0.00 min

Lab File: BM002304.D

Acq: 09 Aug 2015 08:29

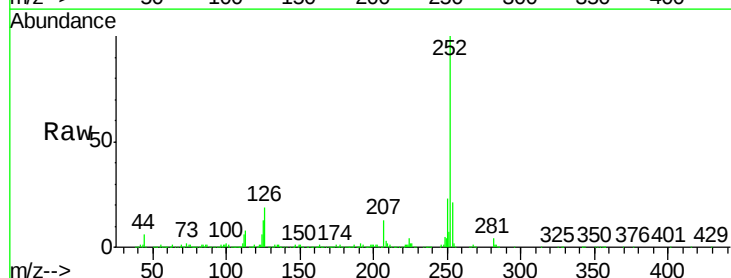
Tgt Ion:252 Resp: 897315

Ion Ratio Lower Upper

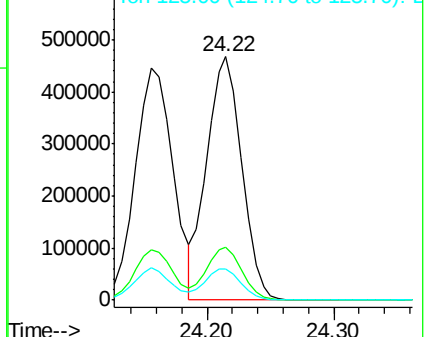
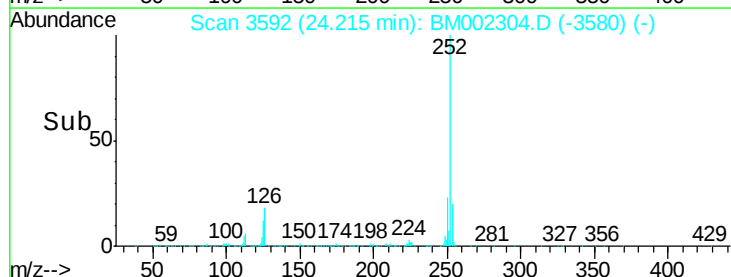
252 100

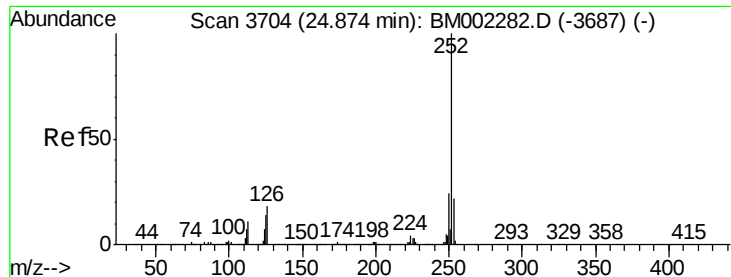
253 21.5 17.3 25.9

125 13.0 10.2 15.4



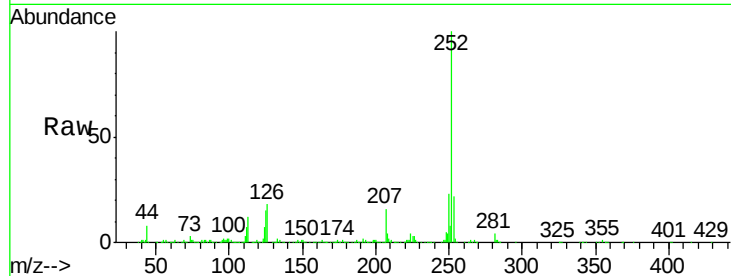
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



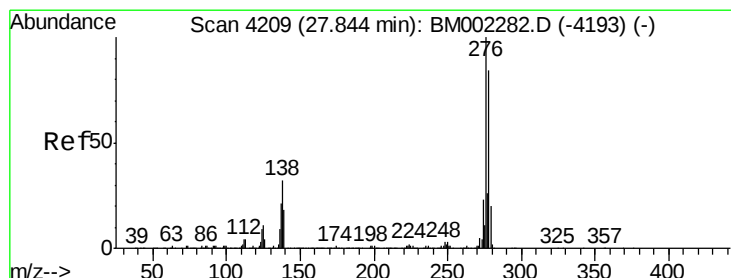
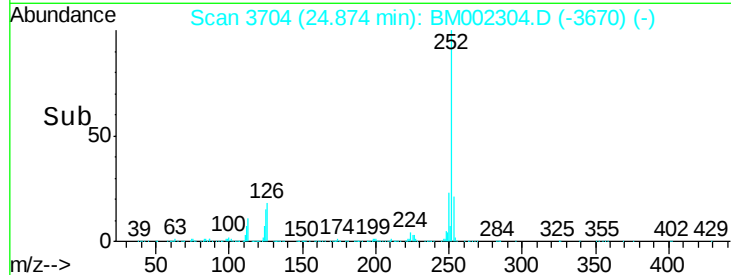
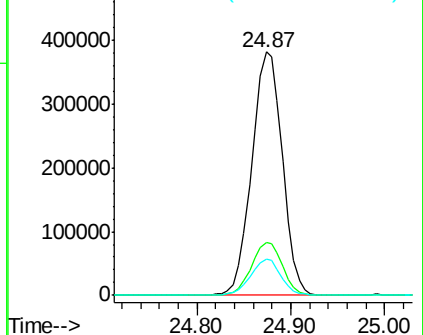


#26
Benzo(a)pyrene
Concen: 20.36 ng/ul
RT: 24.87 min Scan# 3704
Delta R.T. 0.00 min
Lab File: BM002304.D
Acq: 09 Aug 2015 08:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	14.9	11.0	16.6

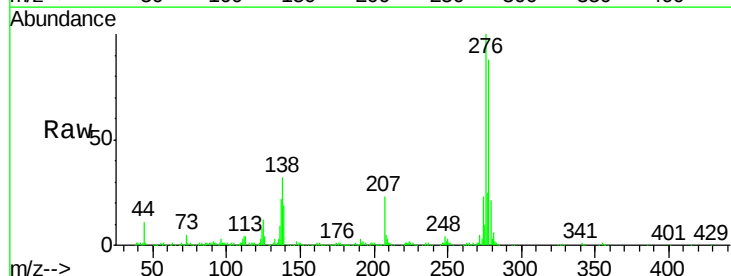


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

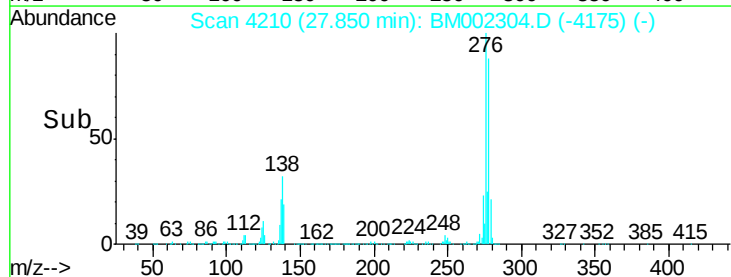
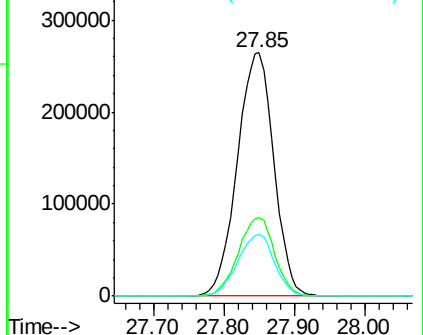


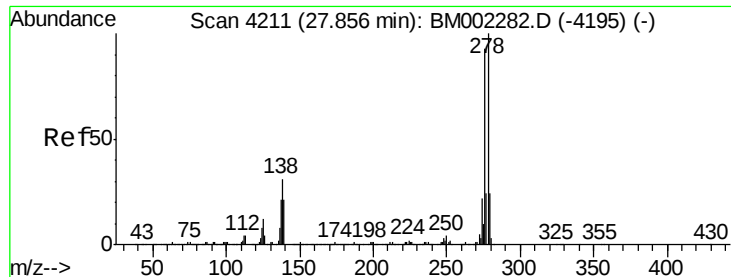
#27
Indeno(1,2,3-cd)pyrene
Concen: 19.79 ng/ul
RT: 27.85 min Scan# 4210
Delta R.T. 0.01 min
Lab File: BM002304.D
Acq: 09 Aug 2015 08:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.4	25.6	38.4
277	25.5	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: 19.73 ng/ul

RT: 27.86 min Scan# 4211

Delta R.T. 0.00 min

Lab File: BM002304.D

Acq: 09 Aug 2015 08:29

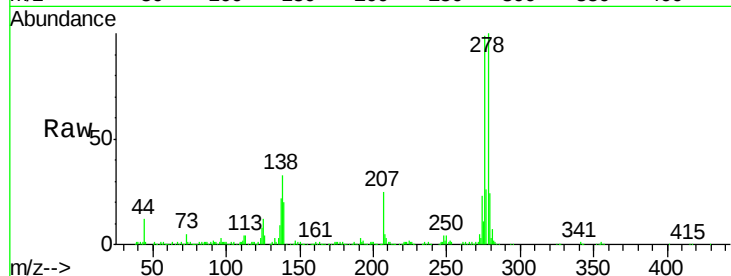
Tgt Ion: 278 Resp: 805028

Ion Ratio Lower Upper

278 100

139 19.8 16.4 24.6

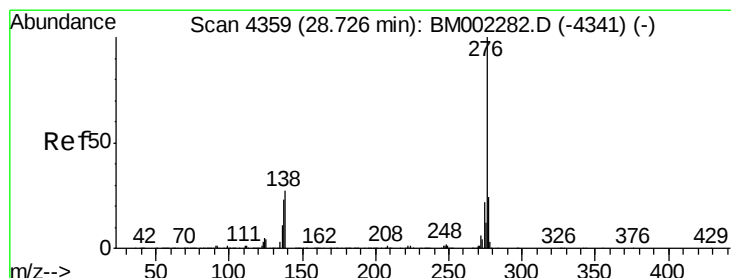
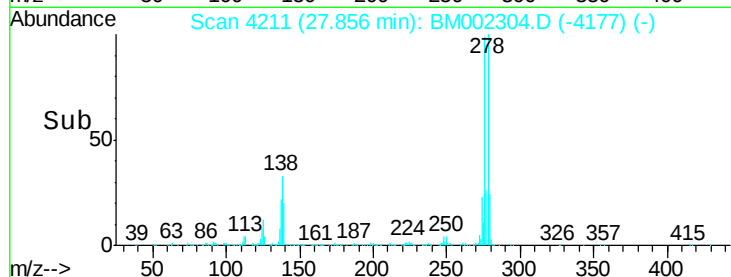
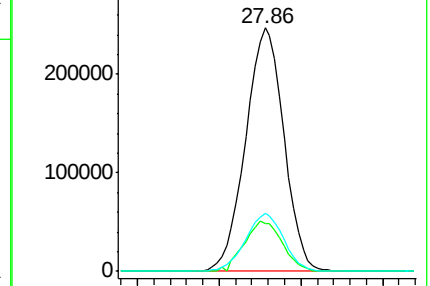
279 23.6 18.8 28.2



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: 19.64 ng/ul

RT: 28.73 min Scan# 4360

Delta R.T. 0.01 min

Lab File: BM002304.D

Acq: 09 Aug 2015 08:29

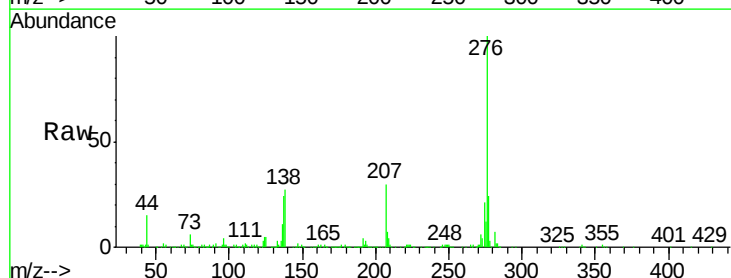
Tgt Ion: 276 Resp: 798006

Ion Ratio Lower Upper

276 100

138 26.9 20.5 30.7

277 23.6 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

