

Data Path : Z:\HPCHEM1\BNA M\DATA\BM091115\
 Data File : BM002682.D
 Acq On : 11 Sep 2015 15:34
 Operator : UM/IZ
 Sample : MDL-01-W
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 01:35:17 2015

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM90315.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Sep 12 01:33:03 2015

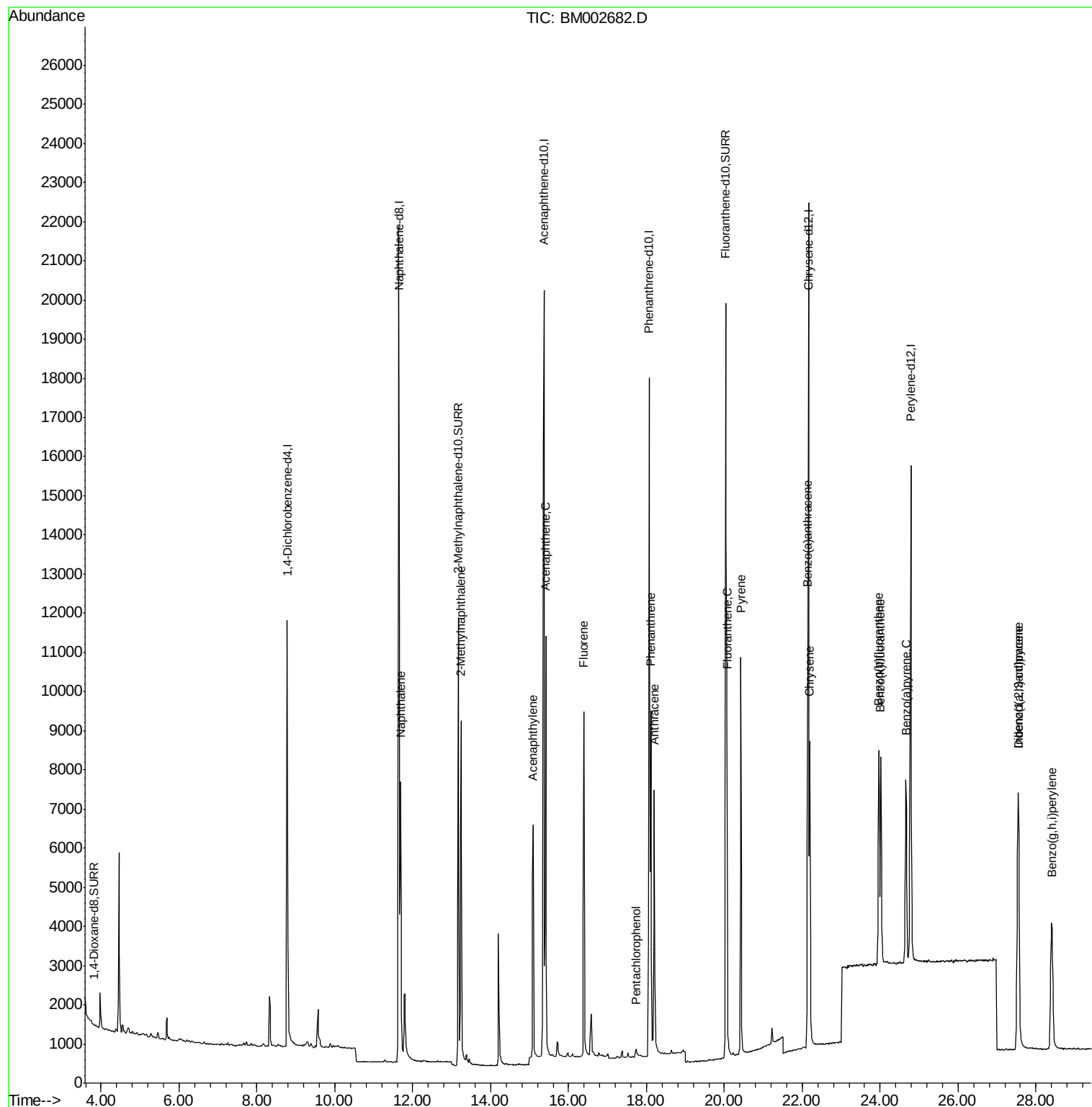
Response via : Initial Calibration

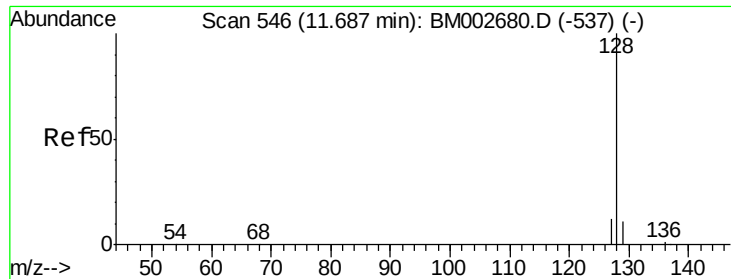
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	8105	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	33745	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	15065	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.06	188	26699	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	22361	0.40	ng/ul	0.00
22) Perylene-d12	24.78	264	21562	0.40	ng/ul	0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	22	0.00	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	13.17	152	17173	0.38	ng/ul	0.00
16) Fluoranthene-d10	20.03	212	23976	0.39	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.69	128	10360	0.12	ng/ul	100
7) 2-Methylnaphthalene	13.23	142	7182	0.12	ng/ul	97
9) Acenaphthylene	15.09	152	8942	0.11	ng/ul	96
10) Acenaphthene	15.42	153	6702	0.12	ng/ul	91
11) Fluorene	16.39	166	6881	0.12	ng/ul	87
13) Pentachlorophenol	17.74	266	365	0.14	ng/ul	94
14) Phenanthrene	18.11	178	9779	0.12	ng/ul	98
15) Anthracene	18.20	178	9223	0.12	ng/ul	97
17) Fluoranthene	20.07	202	10080	0.12	ng/ul	90
19) Pyrene	20.42	202	10233	0.12	ng/ul	97
20) Benzo(a)anthracene	22.14	228	8466	0.11	ng/ul	97
21) Chrysene	22.19	228	8552	0.12	ng/ul	98
23) Benzo(b)fluoranthene	23.96	252	8992	0.12	ng/ul	88
24) Benzo(k)fluoranthene	24.01	252	8480	0.12	ng/ul#	87
25) Benzo(a)pyrene	24.66	252	8110	0.11	ng/ul#	86
26) Indeno(1,2,3-cd)pyrene	27.55	276	9034	0.11	ng/ul	99
27) Dibenzo(a,h)anthracene	27.55	278	6847	0.10	ng/ul	95
28) Benzo(a,h,i)perylene	28.40	276	8191	0.11	ng/ul	94

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

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Quant Time: Sep 12 01:35:17 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM90315.M
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Response via : Initial Calibration





#5

Naphthalene

Concen: 0.12 ng/ul

RT: 11.69 min Scan# 546

Delta R.T. 0.00 min

Lab File: BM002682.D

Acq: 11 Sep 2015 15:34

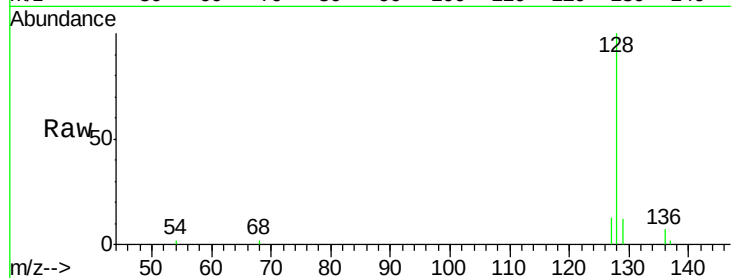
Tot Ion:128 Resp: 10360

Ion Ratio Lower Upper

128 100

129 12.2 9.8 14.8

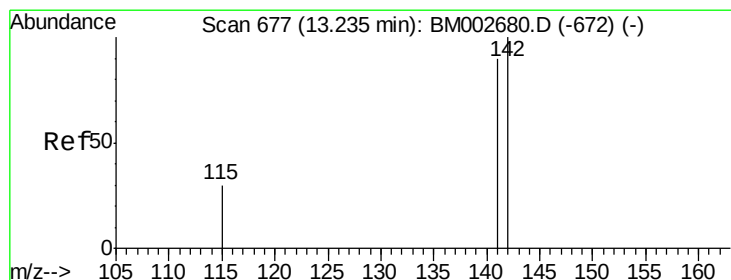
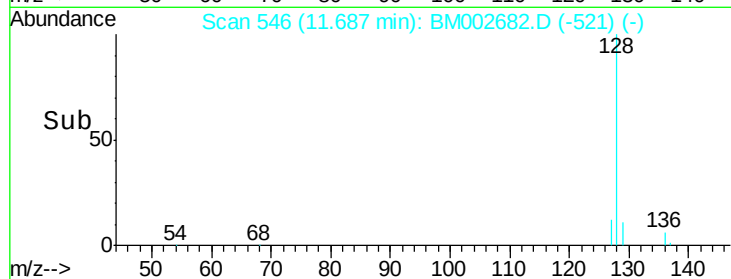
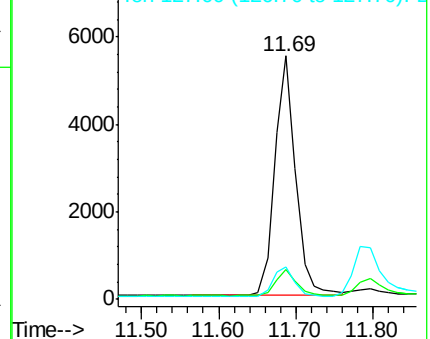
127 13.3 10.7 16.1



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



#7

2-Methylnaphthalene

Concen: 0.12 ng/ul

RT: 13.23 min Scan# 677

Delta R.T. 0.00 min

Lab File: BM002682.D

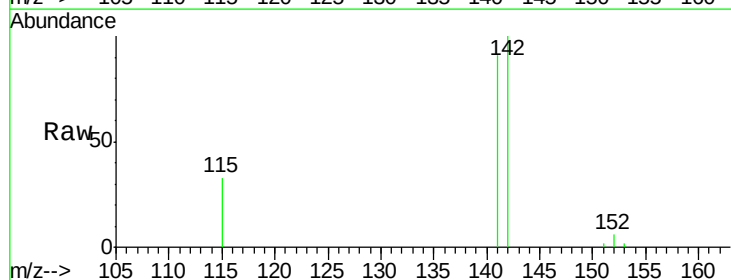
Acq: 11 Sep 2015 15:34

Tgt Ion:142 Resp: 7182

Ion Ratio Lower Upper

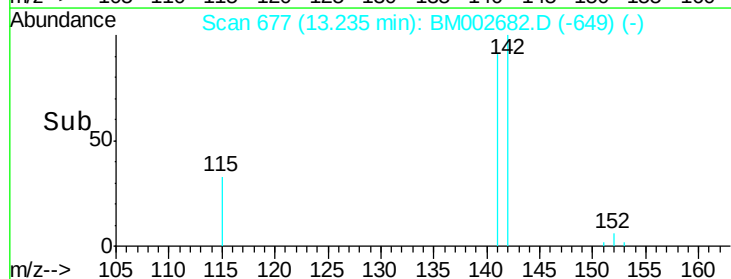
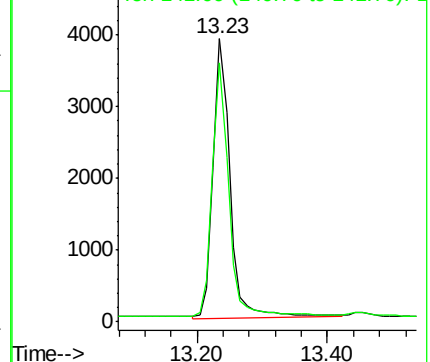
142 100

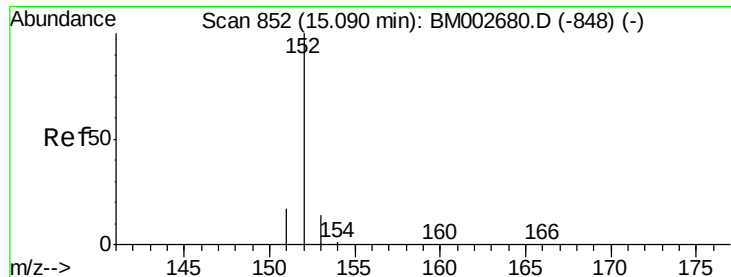
141 90.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.11 ng/ul

RT: 15.09 min Scan# 852

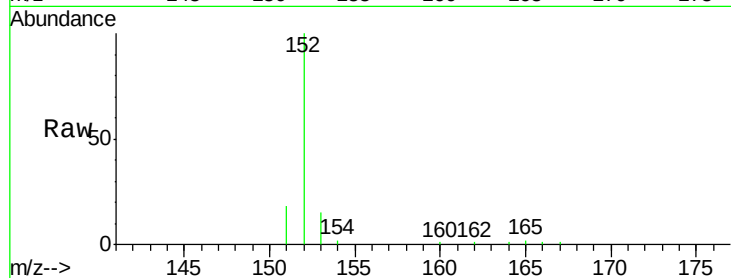
Delta R.T. 0.00 min

Lab File: BM002682.D

Acq: 11 Sep 2015 15:34

Tot Ion:152 Resp: 8942

Ion	Ratio	Lower	Upper
152	100		
151	18.5	16.8	25.2
153	15.3	11.3	16.9

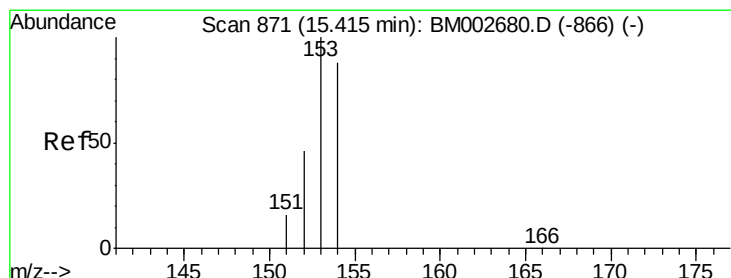
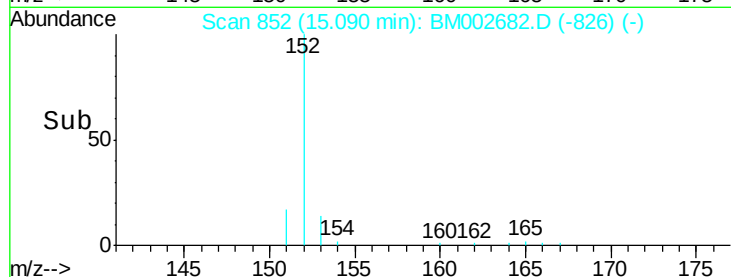
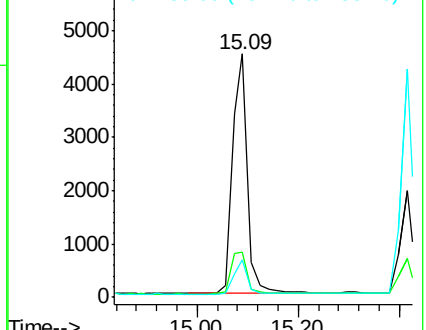


Abundance

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



#10

Acenaphthene

Concen: 0.12 ng/ul

RT: 15.42 min Scan# 871

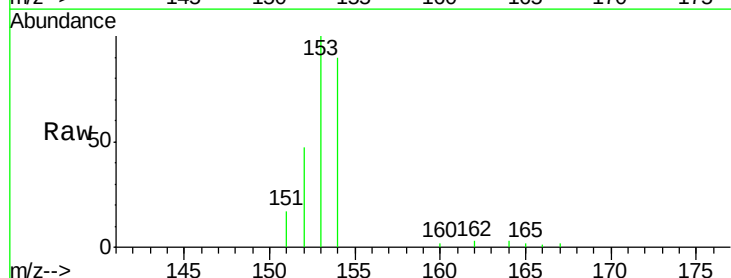
Delta R.T. 0.00 min

Lab File: BM002682.D

Acq: 11 Sep 2015 15:34

Tgt Ion:153 Resp: 6702

Ion	Ratio	Lower	Upper
153	100		
152	47.0	42.3	63.5
154	89.6	64.7	97.1

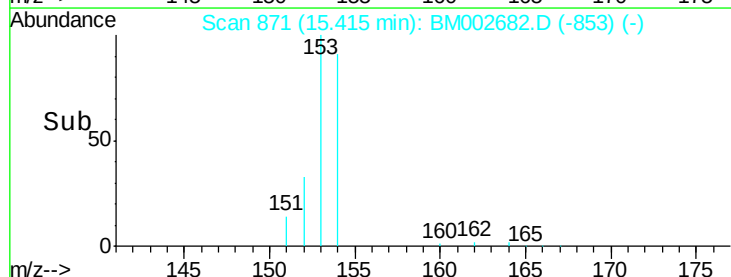
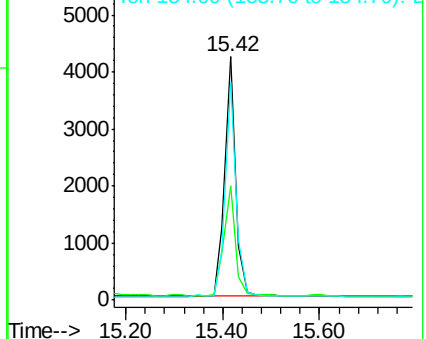


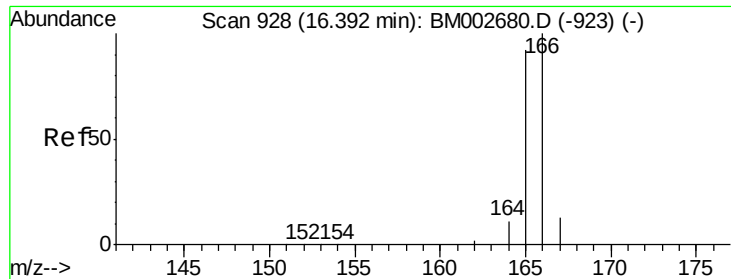
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

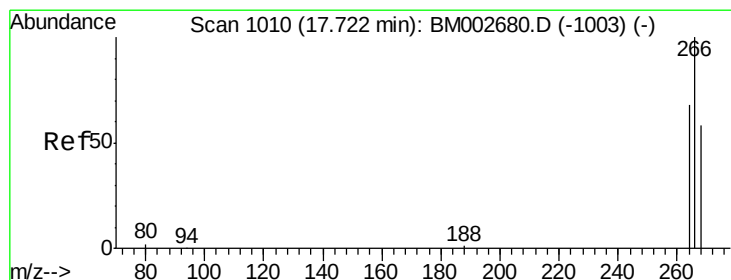
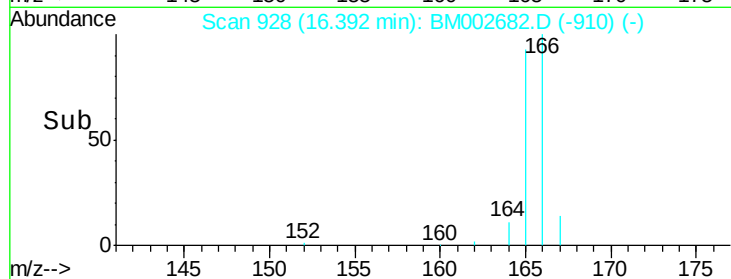
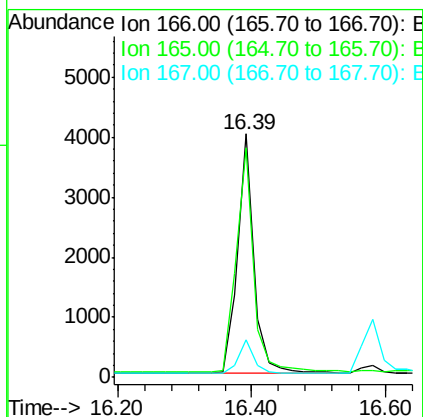
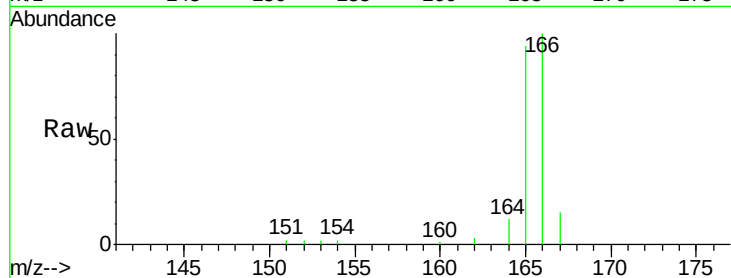
Ion 154.00 (153.70 to 154.70): E





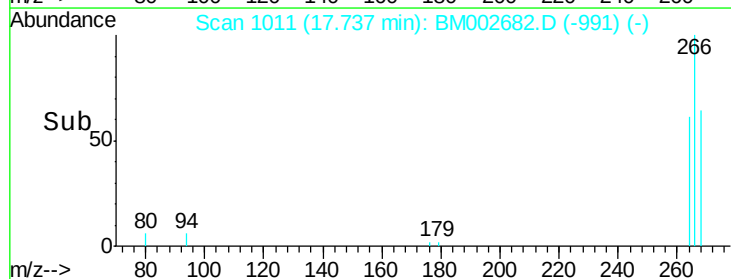
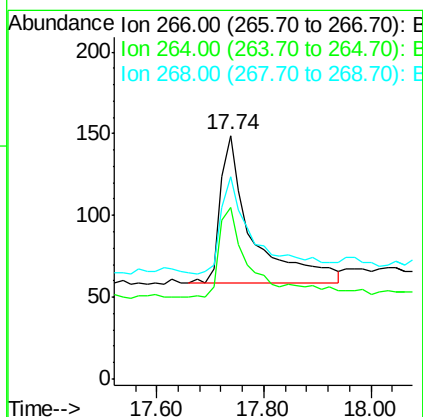
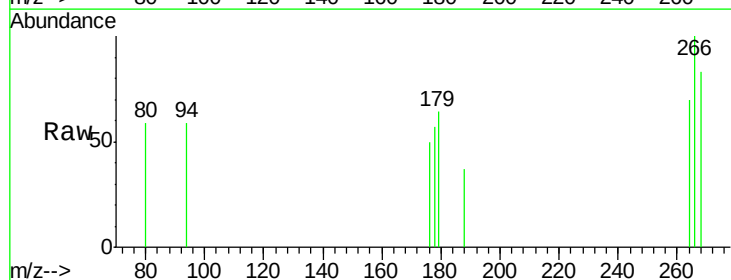
#11
 Fluorene
 Concen: 0.12 ng/ul
 RT: 16.39 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: BM002682.D
 Acq: 11 Sep 2015 15:34

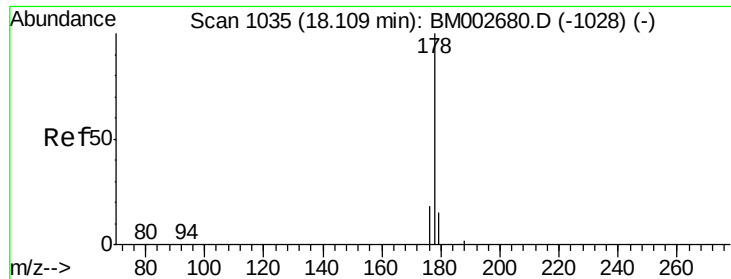
Tot Ion:166 Resp: 6881
 Ion Ratio Lower Upper
 166 100
 165 94.2 87.6 131.4
 167 15.2 11.1 16.7



#13
 Pentachlorophenol
 Concen: 0.14 ng/ul
 RT: 17.74 min Scan# 1011
 Delta R.T. 0.02 min
 Lab File: BM002682.D
 Acq: 11 Sep 2015 15:34

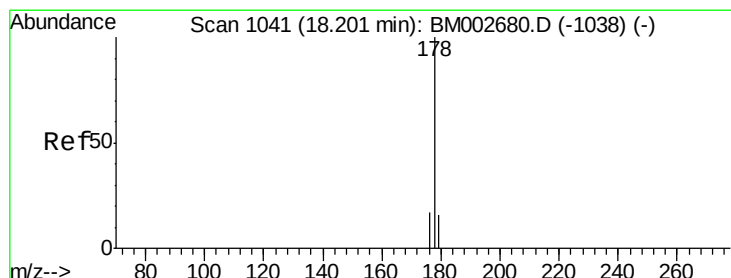
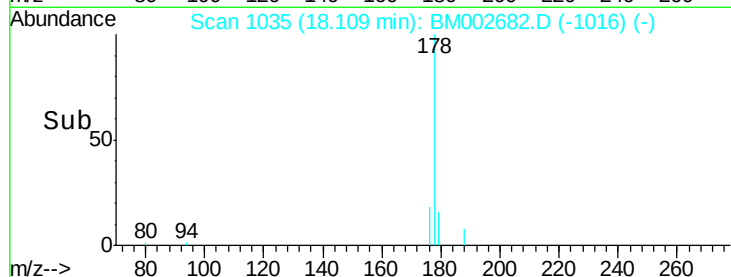
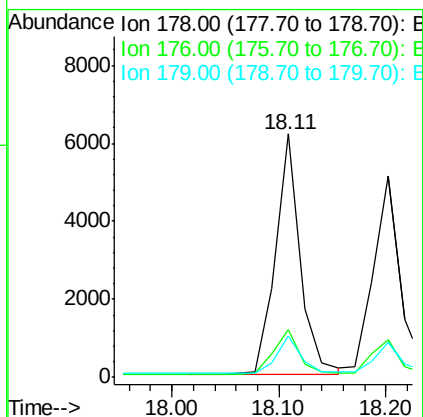
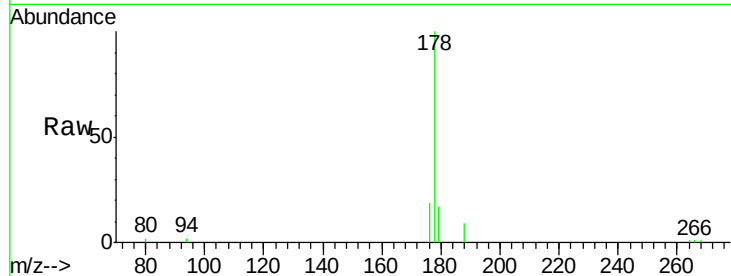
Tgt Ion:266 Resp: 365
 Ion Ratio Lower Upper
 266 100
 264 62.5 53.5 80.3
 268 73.4 54.2 81.2





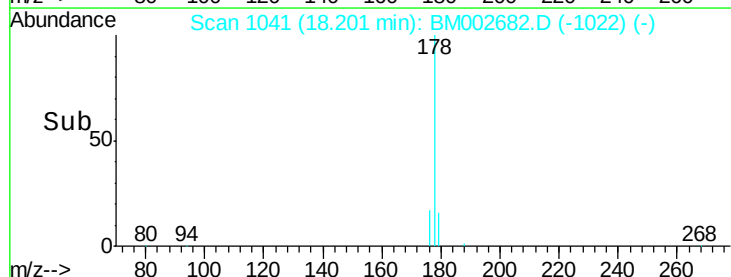
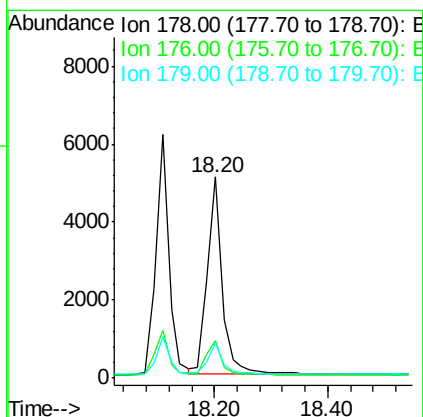
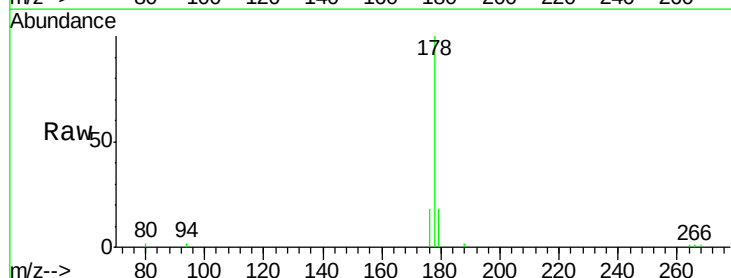
#14
Phenanthrene
Concen: 0.12 ng/ul
RT: 18.11 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BM002682.D
Acq: 11 Sep 2015 15:34

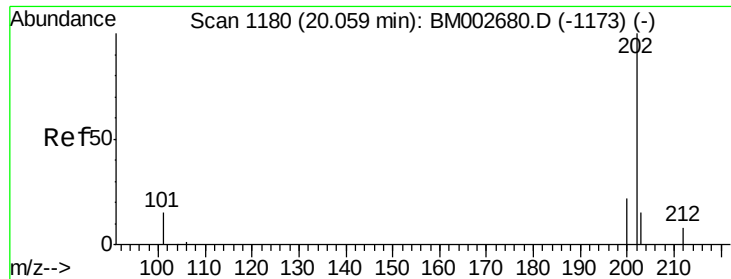
Tot Ion:178 Resp: 9779
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.4
179 16.9 12.8 19.2



#15
Anthracene
Concen: 0.12 ng/ul
RT: 18.20 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BM002682.D
Acq: 11 Sep 2015 15:34

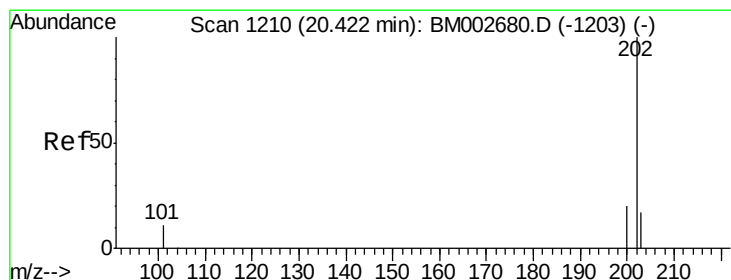
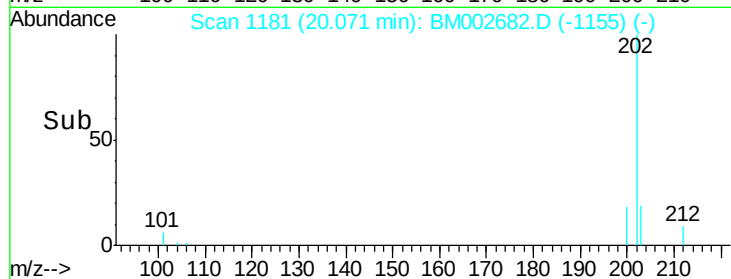
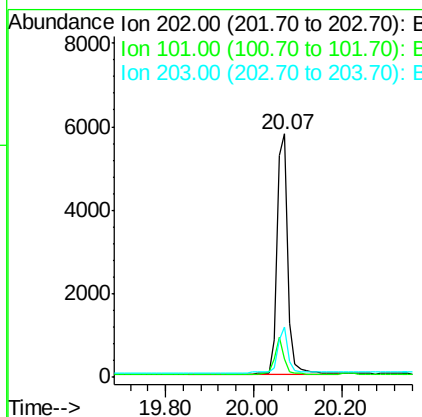
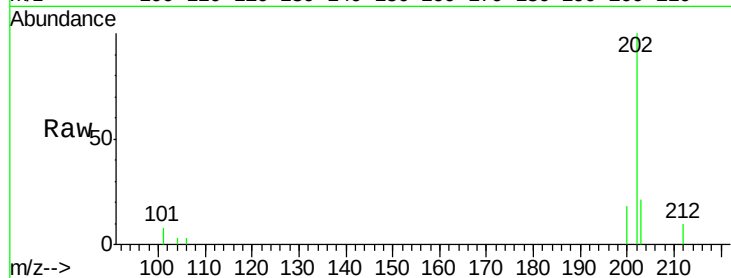
Tgt Ion:178 Resp: 9223
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 17.5 13.3 19.9





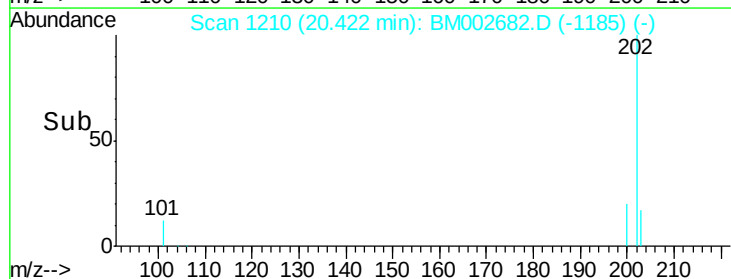
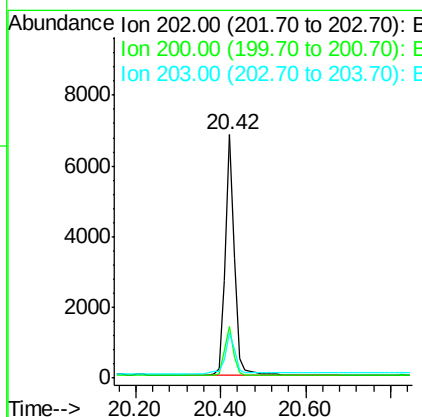
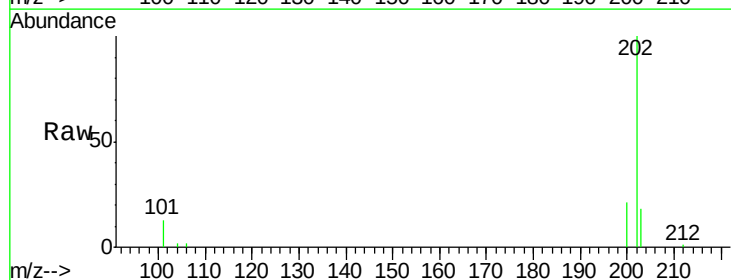
#17
 Fluoranthene
 Concen: 0.12 ng/ul
 RT: 20.07 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: BM002682.D
 Acq: 11 Sep 2015 15:34

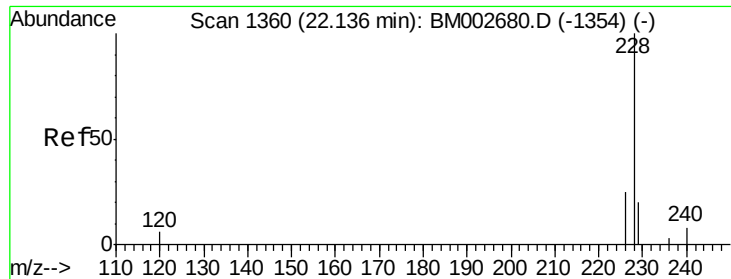
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	33.1
203	20.6	0.0	37.2



#19
 Pyrene
 Concen: 0.12 ng/ul
 RT: 20.42 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: BM002682.D
 Acq: 11 Sep 2015 15:34

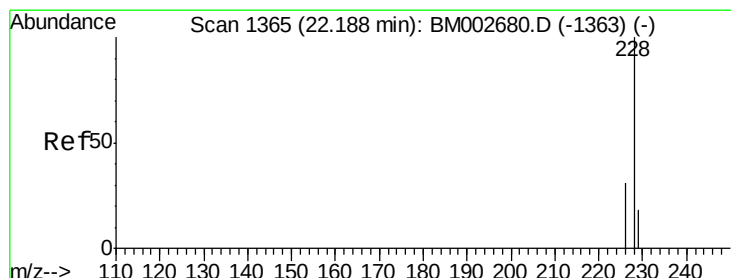
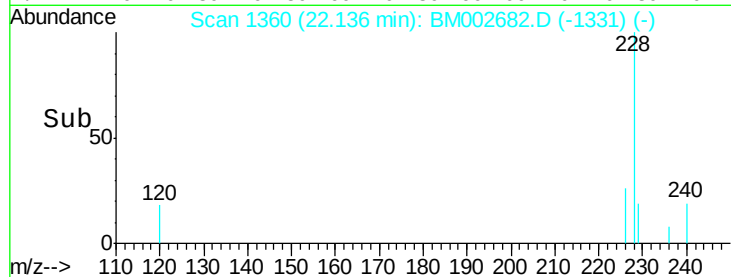
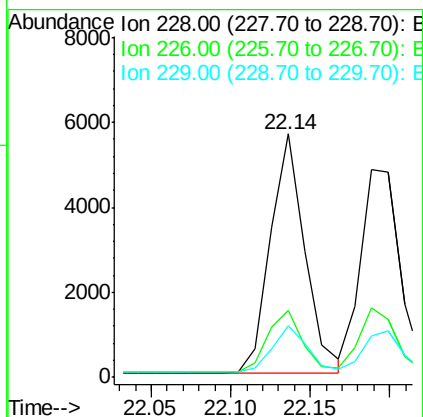
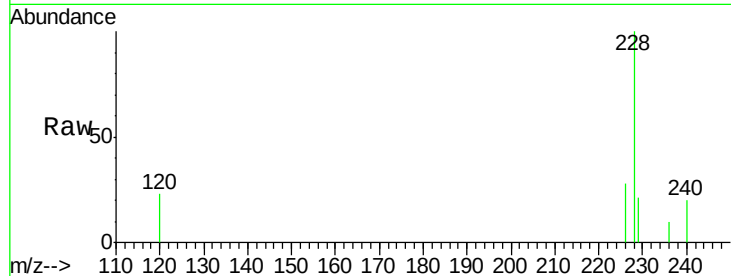
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.0	27.0
203	18.4	13.8	20.6





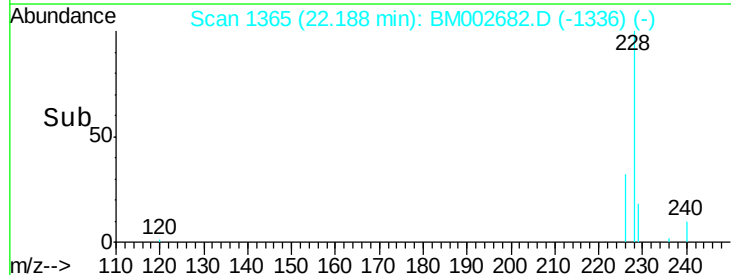
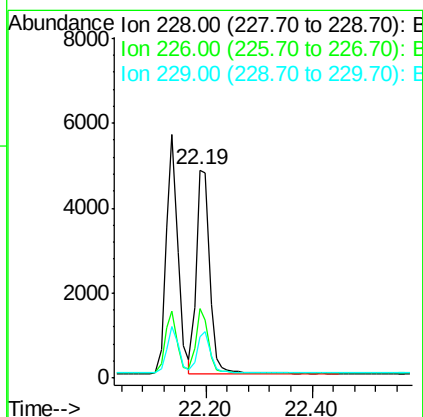
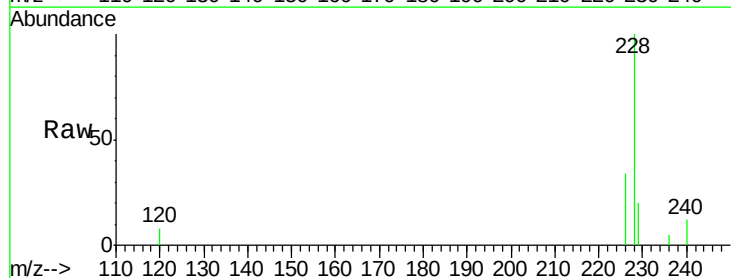
#20
Benzo(a)anthracene
Concen: 0.11 ng/ul
RT: 22.14 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BM002682.D
Acq: 11 Sep 2015 15:34

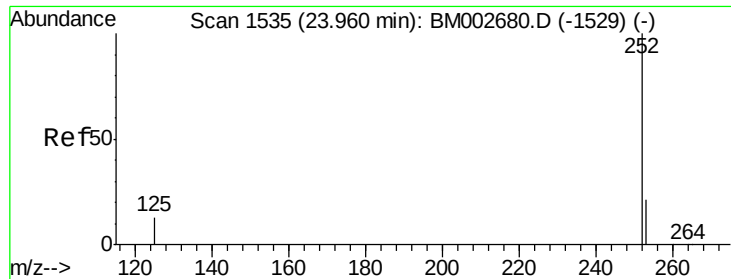
Tot Ion:228 Resp: 8466
Ion Ratio Lower Upper
228 100
226 27.7 23.0 34.4
229 21.2 15.2 22.8



#21
Chrysene
Concen: 0.12 ng/ul
RT: 22.19 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BM002682.D
Acq: 11 Sep 2015 15:34

Tgt Ion:228 Resp: 8552
Ion Ratio Lower Upper
228 100
226 33.6 25.7 38.5
229 19.9 15.2 22.8





#23

Benzo(b)fluoranthene

Concen: 0.12 ng/ul

RT: 23.96 min Scan# 1535

Delta R.T. 0.00 min

Lab File: BM002682.D

Acq: 11 Sep 2015 15:34

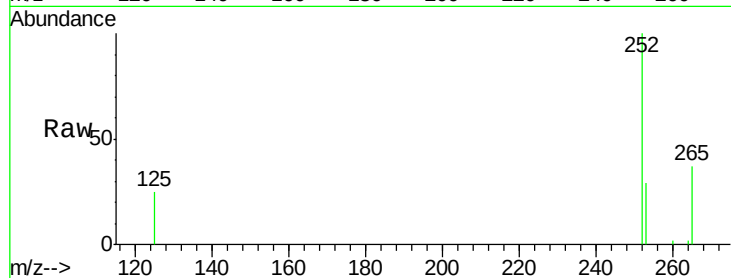
Tot Ion:252 Resp: 8992

Ion Ratio Lower Upper

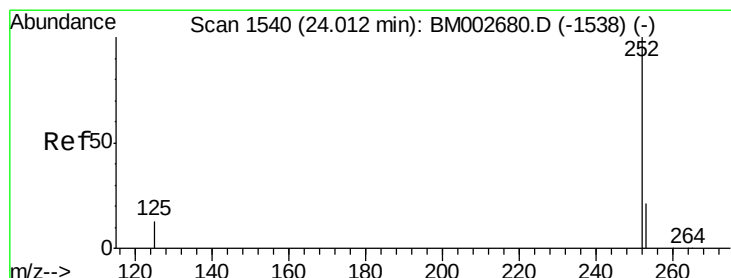
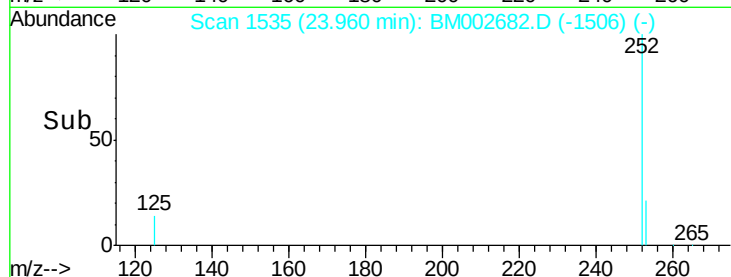
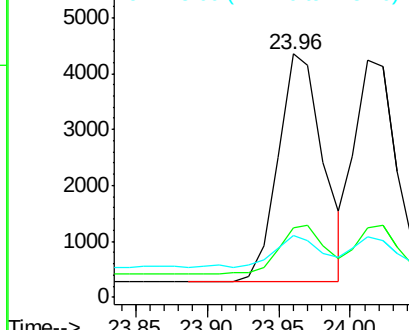
252 100

253 28.6 0.0 48.0

125 25.4 0.0 36.6



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



#24

Benzo(k)fluoranthene

Concen: 0.12 ng/ul

RT: 24.01 min Scan# 1540

Delta R.T. 0.00 min

Lab File: BM002682.D

Acq: 11 Sep 2015 15:34

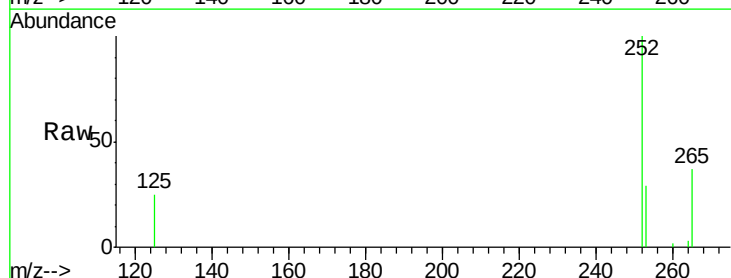
Tgt Ion:252 Resp: 8480

Ion Ratio Lower Upper

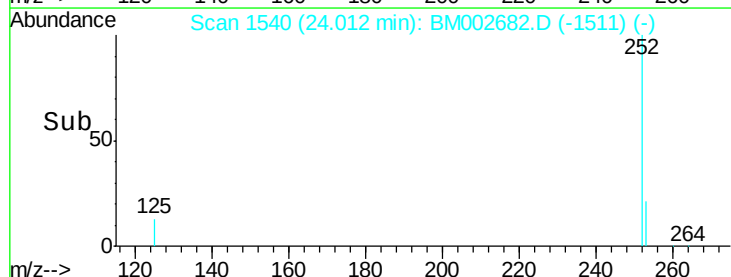
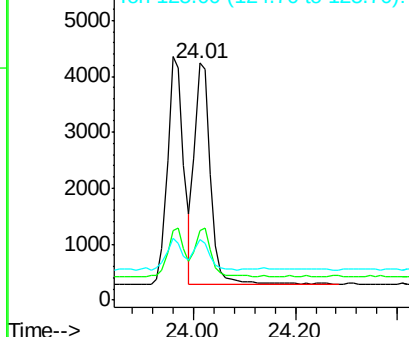
252 100

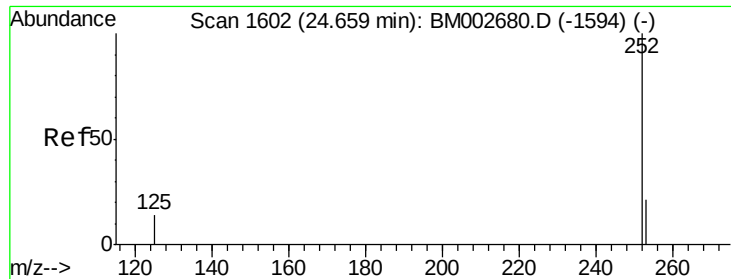
253 29.3 20.8 31.2

125 25.3 12.2 18.4#



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





#25

Benzo(a)pyrene

Concen: 0.11 ng/ul

RT: 24.66 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BM002682.D

Acq: 11 Sep 2015 15:34

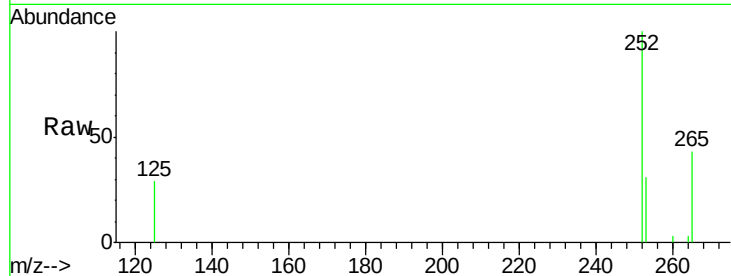
Tot Ion:252 Resp: 8110

Ion Ratio Lower Upper

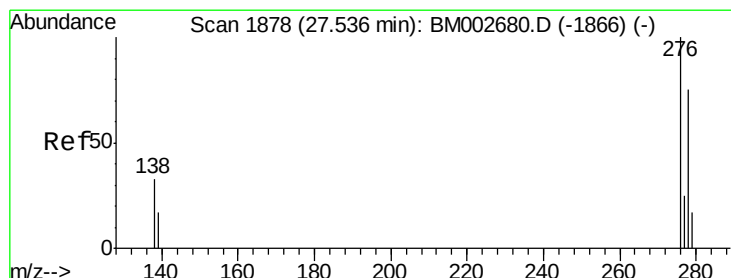
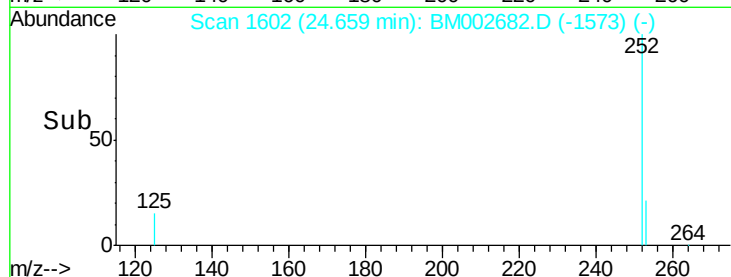
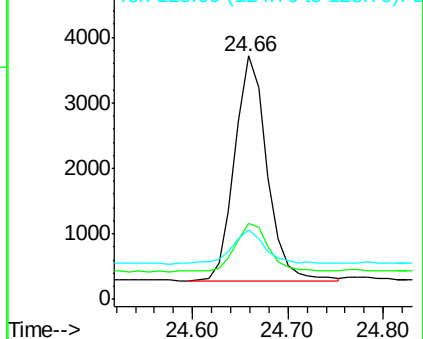
252 100

253 31.0 21.8 32.8

125 28.6 14.5 21.7#



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

Indeno(1,2,3-cd)pyrene

Concen: 0.11 ng/ul

RT: 27.55 min Scan# 1879

Delta R.T. 0.01 min

Lab File: BM002682.D

Acq: 11 Sep 2015 15:34

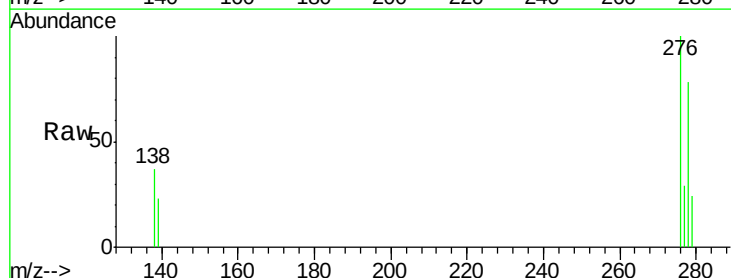
Tgt Ion:276 Resp: 9034

Ion Ratio Lower Upper

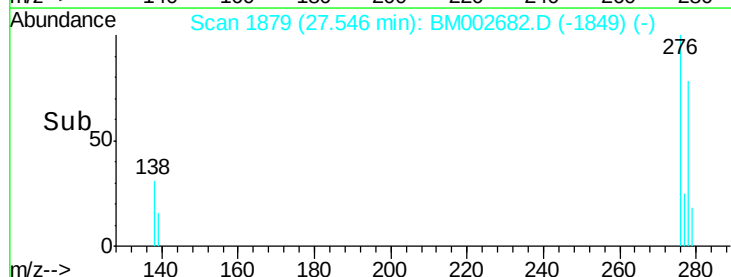
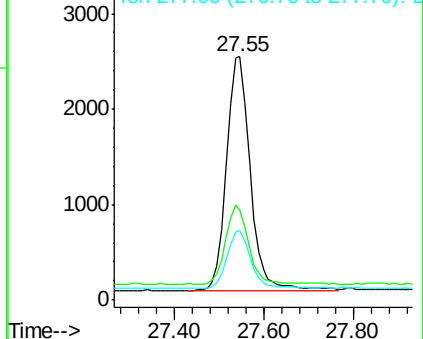
276 100

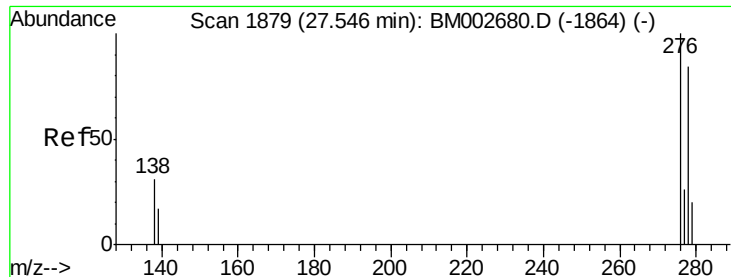
138 33.9 27.5 41.3

277 24.5 19.3 28.9



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

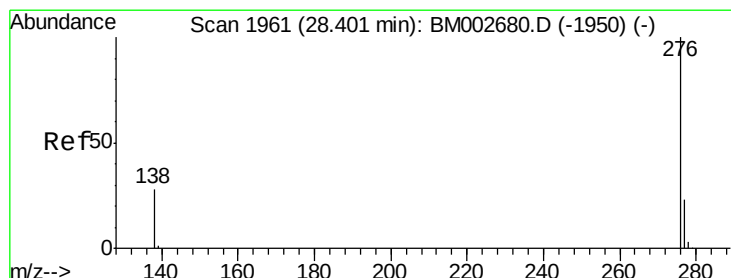
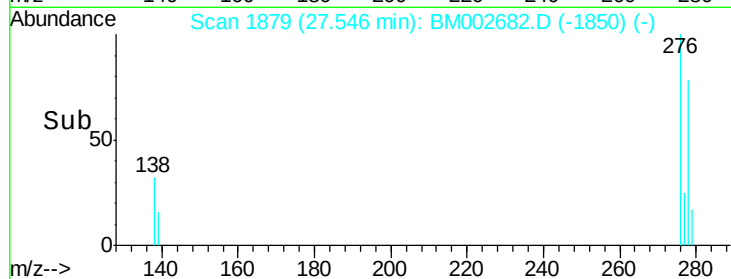
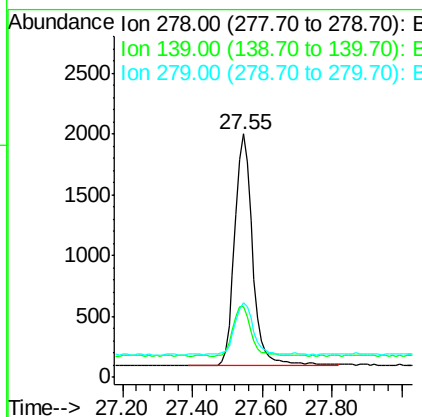
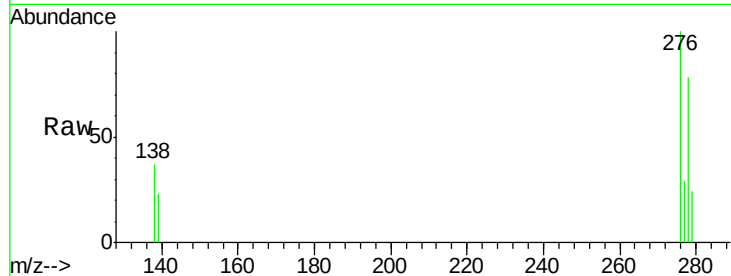




#27
Dibenzo(a,h)anthracene
Concen: 0.10 ng/ul
RT: 27.55 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BM002682.D
Acq: 11 Sep 2015 15:34

Tot Ion:278 Resp: 6847

Ion	Ratio	Lower	Upper
278	100		
139	29.0	21.7	32.5
279	30.8	21.9	32.9



#28
Benzo(g,h,i)perylene
Concen: 0.11 ng/ul
RT: 28.40 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BM002682.D
Acq: 11 Sep 2015 15:34

Tgt Ion:276 Resp: 8191

Ion	Ratio	Lower	Upper
276	100		
277	28.8	21.3	31.9
138	35.7	25.5	38.3

