

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030415\
 Data File : BM000642.D
 Acq On : 04 Mar 2015 11:14
 Operator : TP/IZ
 Sample : SSTD0.444
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 04 23:25:51 2015

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM030315.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Mar 04 02:50:23 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	5262	0.40	ng/ul	0.00
4) Naphthalene-d8	10.44	136	19482	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.31	164	8006	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.05	188	22209	0.40	ng/ul	0.00
18) Chrysene-d12	21.26	240	14779	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	10662	0.40	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	9055	2.36	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.04	152	11304	0.46	ng/ul	0.00
16) Fluoranthene-d10	19.09	212	20450	0.50	ng/ul	0.00

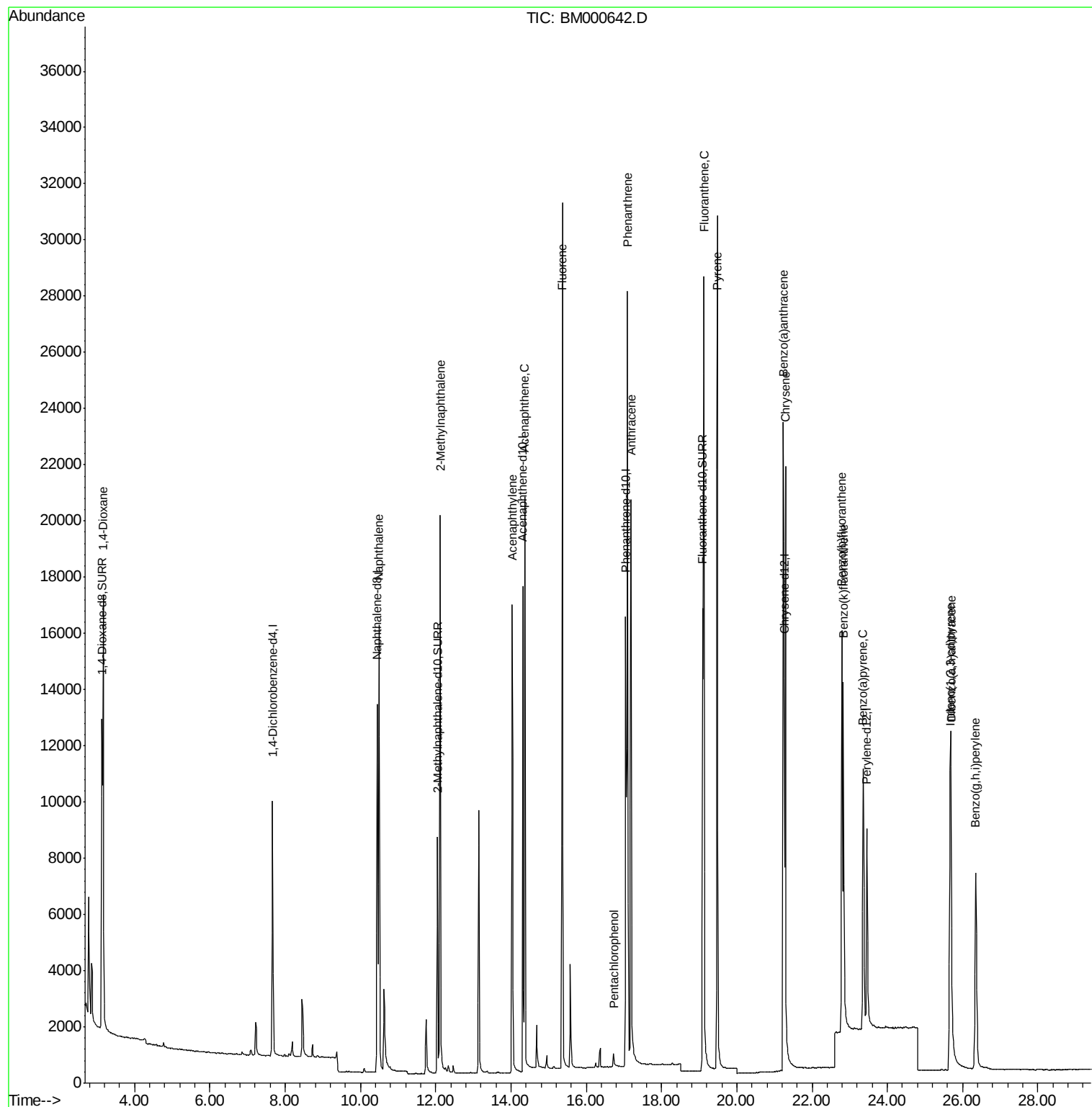
Target Compounds

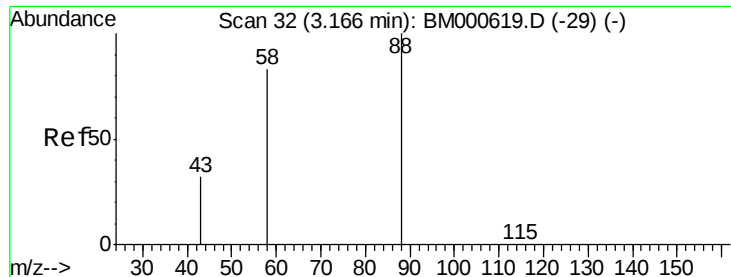
						Qvalue
3) 1,4-Dioxane	3.17	88	14037	2.36	ng/ul	99
5) Naphthalene	10.49	128	22957	0.45	ng/ul	99
7) 2-Methylnaphthalene	12.12	142	15713	0.47	ng/ul	100
9) Acenaphthylene	14.03	152	21299	0.53	ng/ul	99
10) Acenaphthene	14.36	153	17305	0.54	ng/ul#	80
11) Fluorene	15.36	166	20011	0.56	ng/ul	99
13) Pentachlorophenol	16.72	266	585	0.28	ng/ul	93
14) Phenanthrene	17.10	178	30892	0.47	ng/ul	99
15) Anthracene	17.19	178	26807	0.47	ng/ul	99
17) Fluoranthene	19.12	202	31961	0.49	ng/ul	100
19) Pyrene	19.49	202	32321	0.50	ng/ul	98
20) Benzo(a)anthracene	21.24	228	20111	0.47	ng/ul	99
21) Chrysene	21.29	228	24094	0.48	ng/ul	98
23) Benzo(b)fluoranthene	22.79	252	17846	0.49	ng/ul	98
24) Benzo(k)fluoranthene	22.83	252	19504	0.49	ng/ul	98
25) Benzo(a)pyrene	23.35	252	16694	0.46	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	25.67	276	16967	0.44	ng/ul	98
27) Dibenzo(a,h)anthracene	25.69	278	13292	0.43	ng/ul	99
28) Benzo(g,h,i)perylene	26.35	276	15012	0.44	ng/ul	97

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

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM030315.M
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#3

1,4-Dioxane

Concen: 2.36 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM000642.D

Acq: 04 Mar 2015 11:14

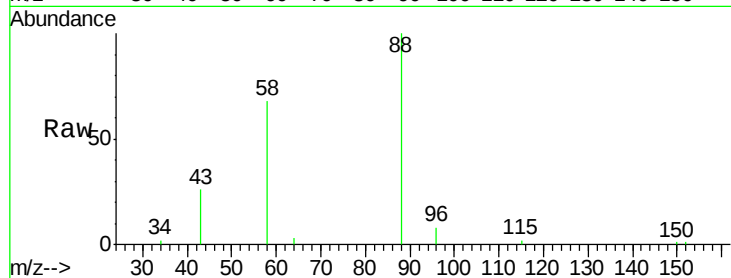
Tgt Ion: 88 Resp: 14037

Ion Ratio Lower Upper

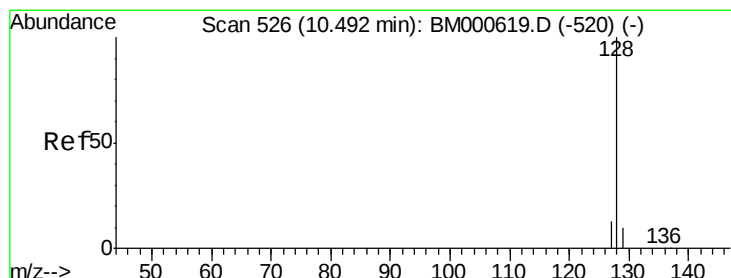
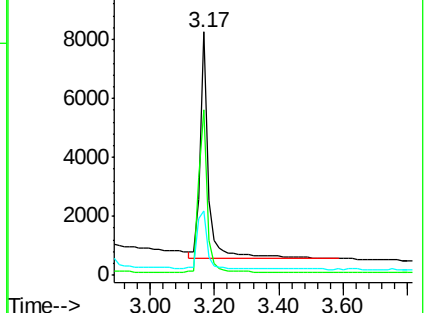
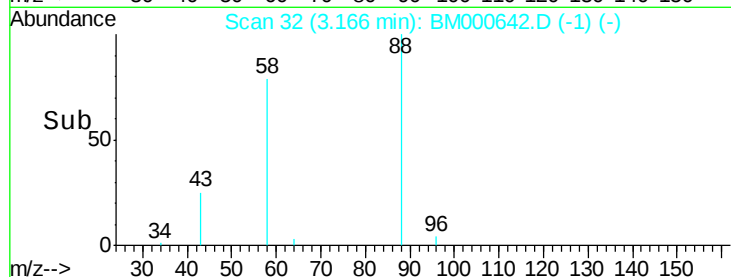
88 100

58 69.3 55.4 83.2

43 29.0 24.2 36.2



Abundance Ion 88.00 (87.70 to 88.70): BM000642.D (-1) (-)



#5

Naphthalene

Concen: 0.45 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. -0.00 min

Lab File: BM000642.D

Acq: 04 Mar 2015 11:14

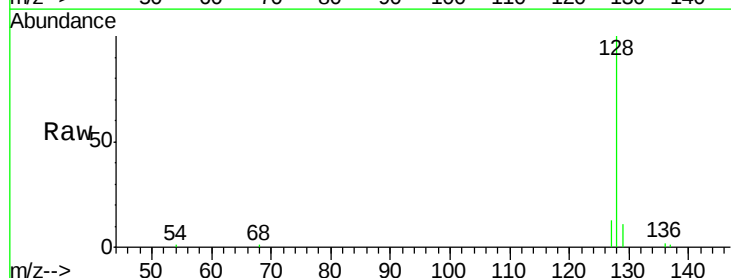
Tgt Ion: 128 Resp: 22957

Ion Ratio Lower Upper

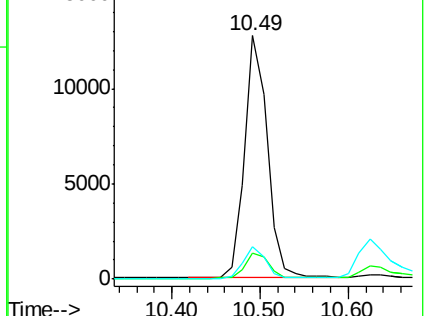
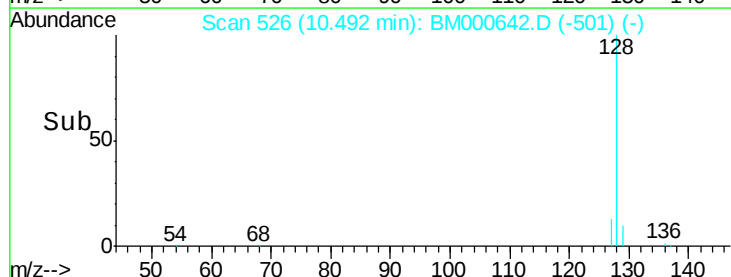
128 100

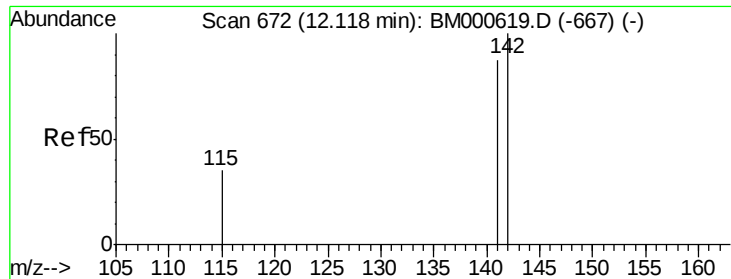
129 10.6 8.5 12.7

127 13.3 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): BM000642.D (-501) (-)





#7

2-Methylnaphthalene

Concen: 0.47 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. -0.00 min

Lab File: BM000642.D

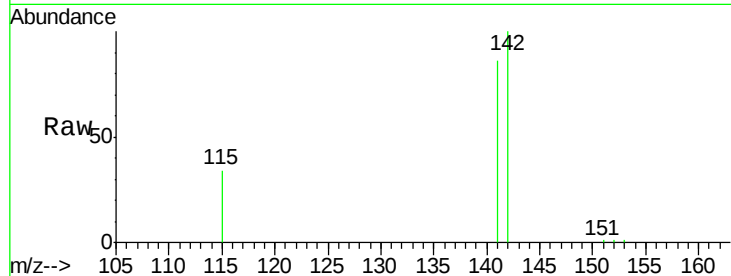
Acq: 04 Mar 2015 11:14

Tgt Ion:142 Resp: 15713

Ion Ratio Lower Upper

142 100

141 88.6 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.12

10000

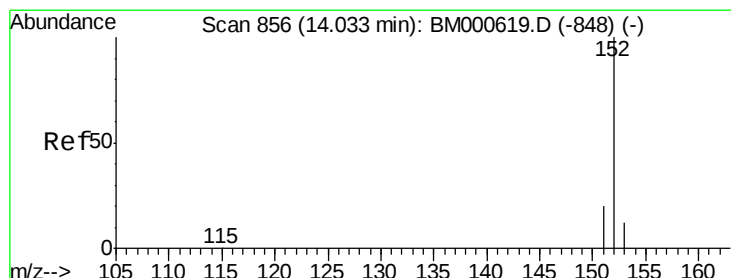
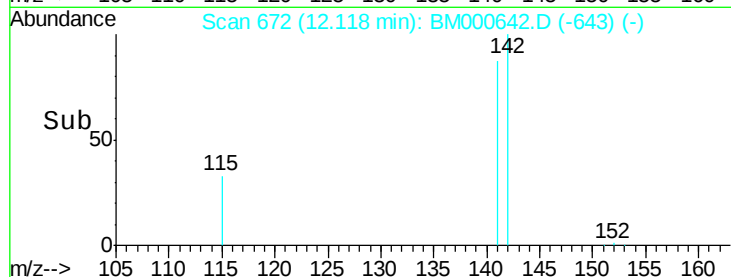
8000

6000

4000

2000

Time--> 12.00 12.20



#9

Acenaphthylene

Concen: 0.53 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM000642.D

Acq: 04 Mar 2015 11:14

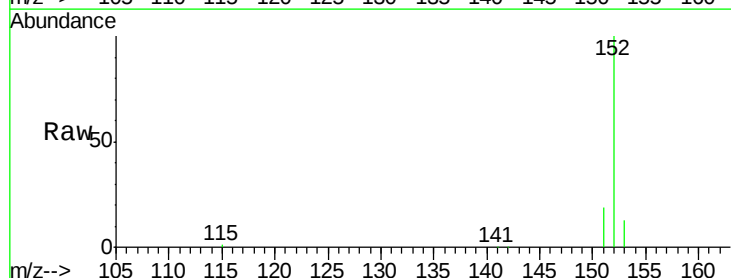
Tgt Ion:152 Resp: 21299

Ion Ratio Lower Upper

152 100

151 19.5 16.0 24.0

153 13.1 10.2 15.4



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

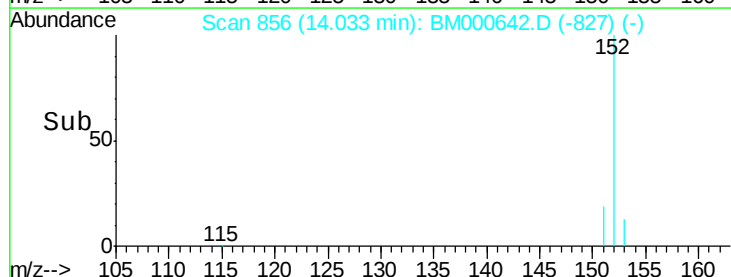
14.03

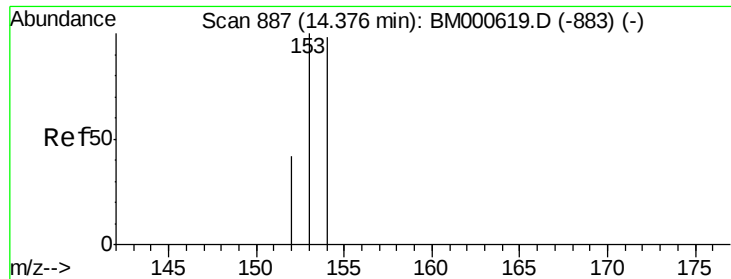
15000

10000

5000

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 0.54 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. -0.02 min

Lab File: BM000642.D

Acq: 04 Mar 2015 11:14

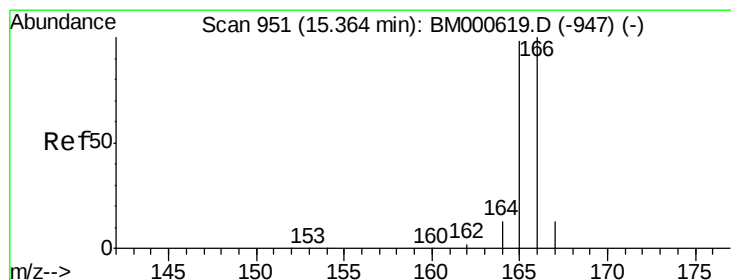
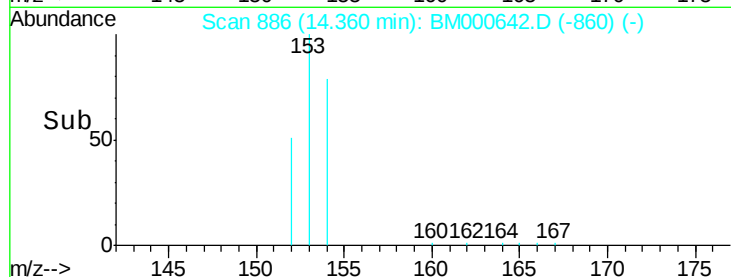
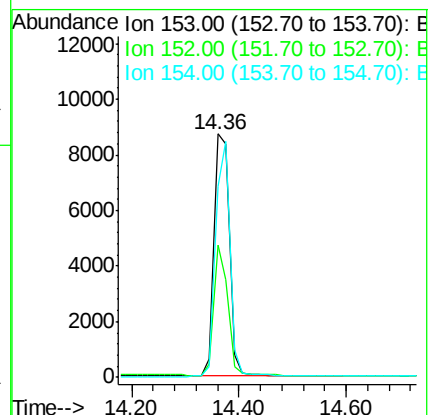
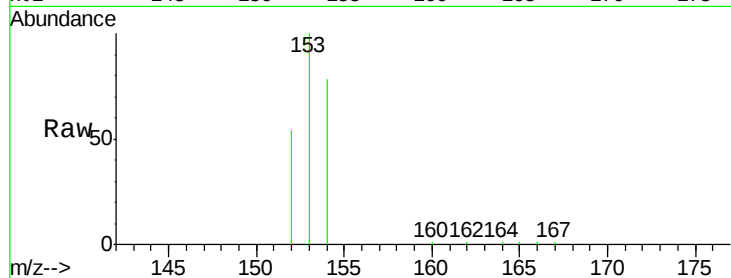
Tgt Ion:153 Resp: 17305

Ion Ratio Lower Upper

153 100

152 54.4 34.2 51.2#

154 78.5 78.8 118.2#



#11

Fluorene

Concen: 0.56 ng/ul

RT: 15.36 min Scan# 951

Delta R.T. -0.00 min

Lab File: BM000642.D

Acq: 04 Mar 2015 11:14

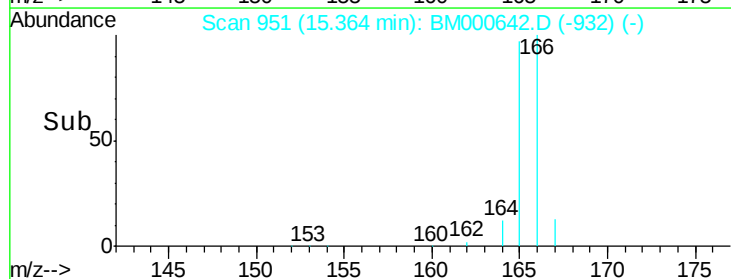
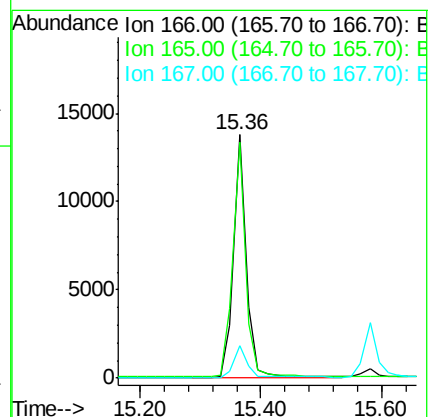
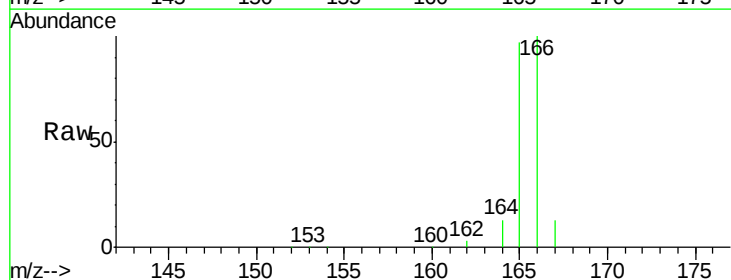
Tgt Ion:166 Resp: 20011

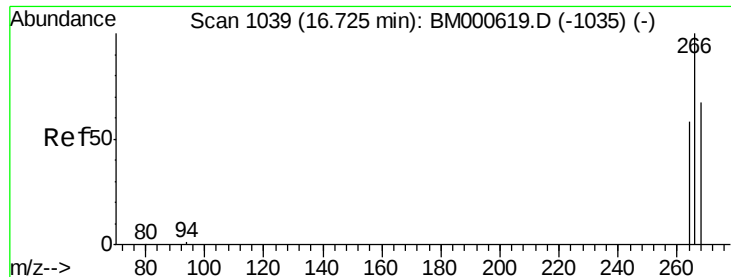
Ion Ratio Lower Upper

166 100

165 96.8 78.5 117.7

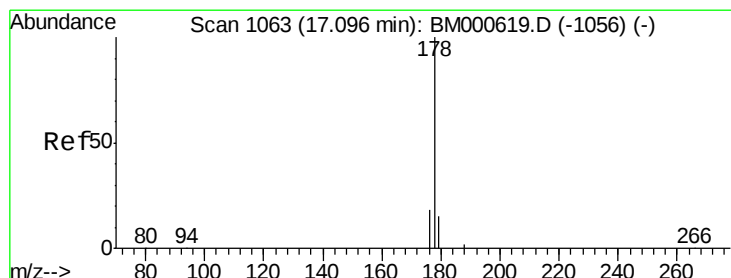
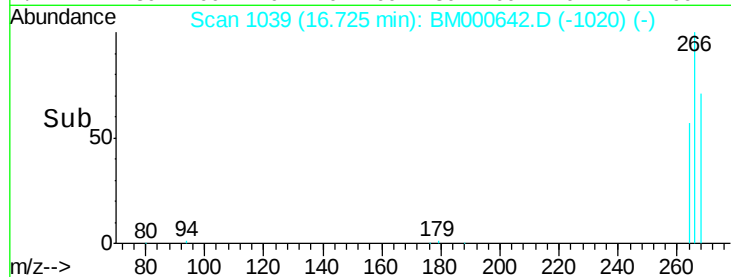
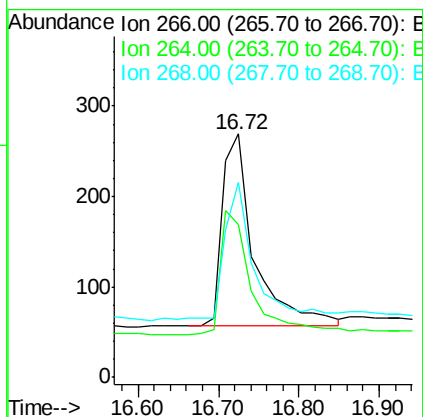
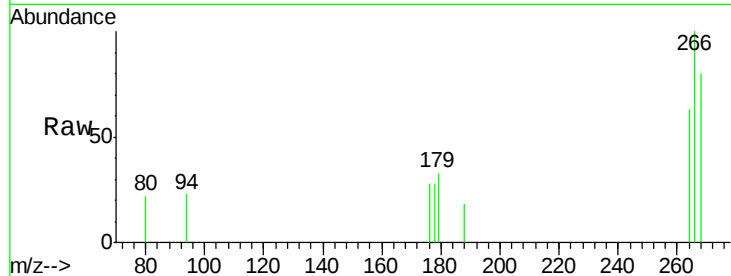
167 13.5 10.6 16.0





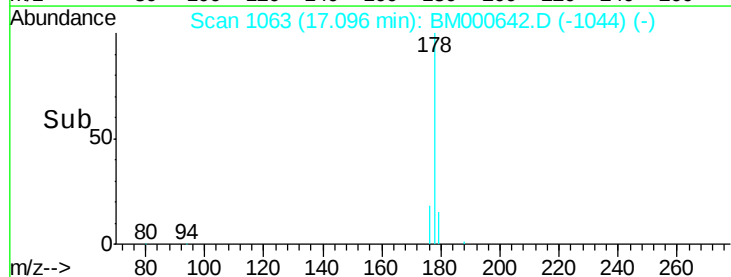
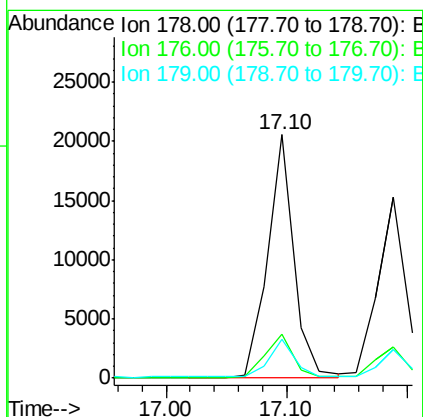
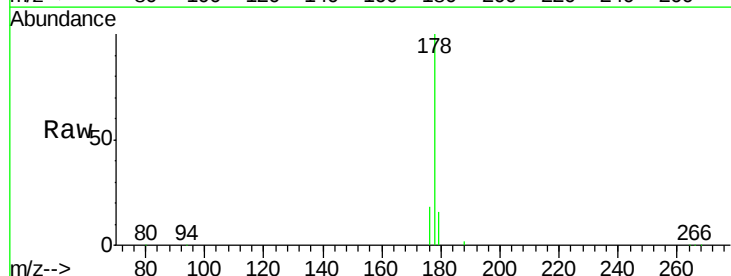
#13
 Pentachlorophenol
 Concen: 0.28 ng/ul
 RT: 16.72 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BM000642.D
 Acq: 04 Mar 2015 11:14

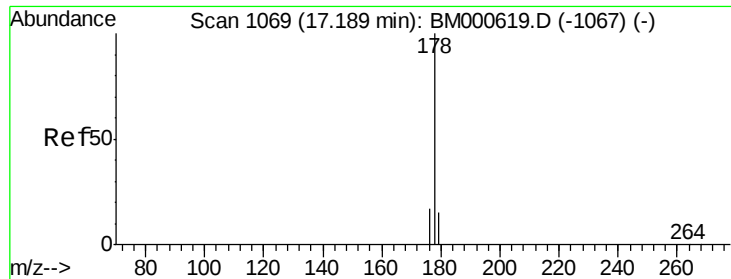
Tgt Ion: 266 Resp: 585
 Ion Ratio Lower Upper
 266 100
 264 67.4 51.0 76.4
 268 69.4 49.4 74.2



#14
 Phenanthrene
 Concen: 0.47 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BM000642.D
 Acq: 04 Mar 2015 11:14

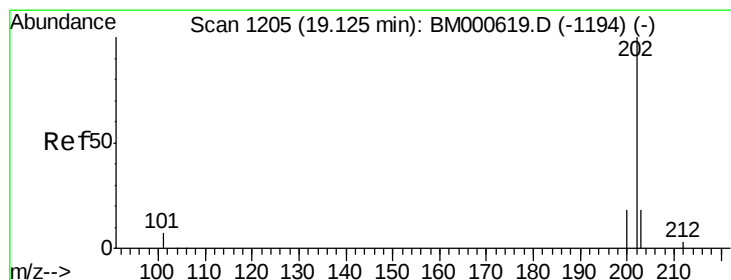
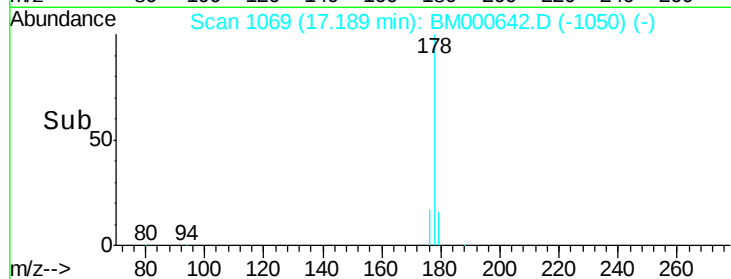
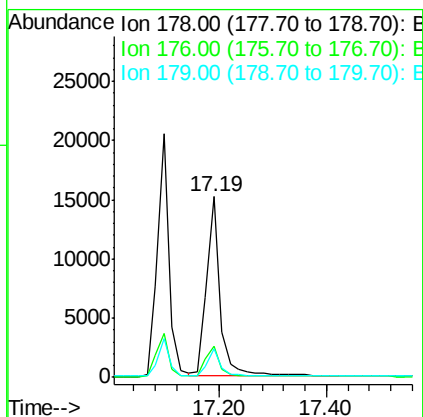
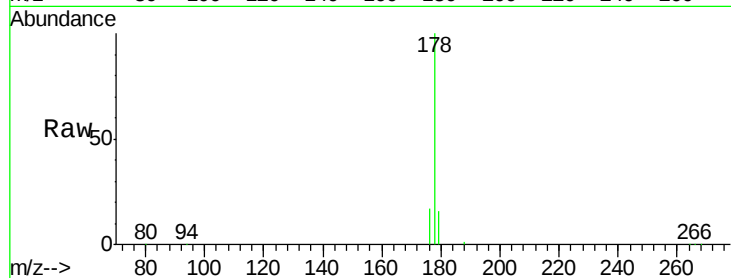
Tgt Ion: 178 Resp: 30892
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.8 22.2
 179 15.9 12.7 19.1





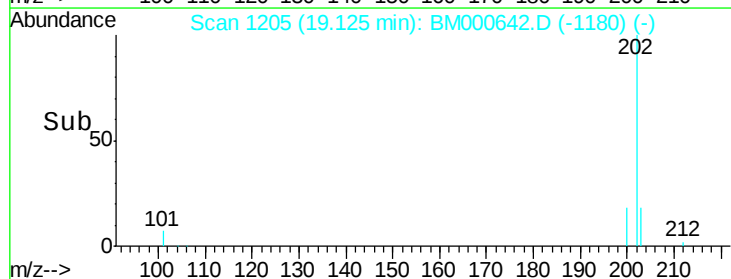
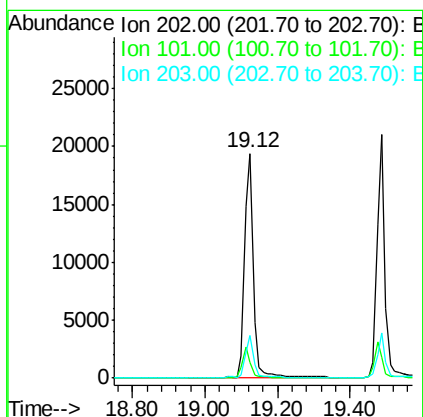
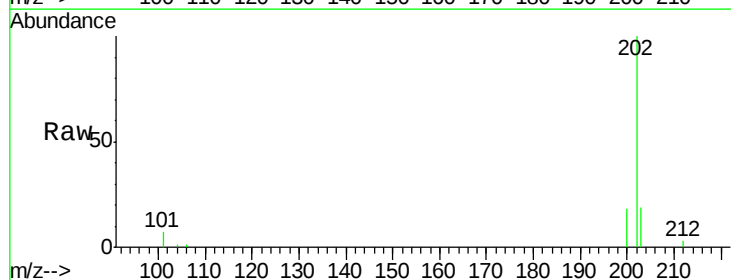
#15
 Anthracene
 Concen: 0.47 ng/ul
 RT: 17.19 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: BM000642.D
 Acq: 04 Mar 2015 11:14

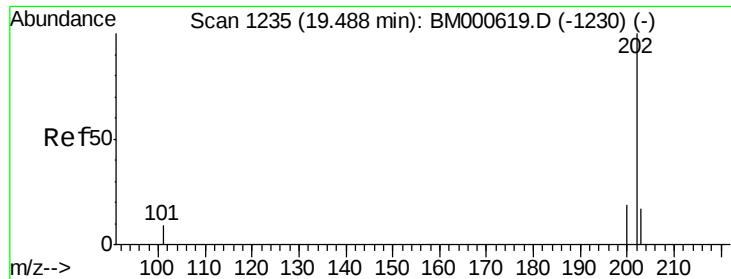
Tgt Ion:178 Resp: 26807
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.2 21.4
 179 16.2 12.8 19.2



#17
 Fluoranthene
 Concen: 0.49 ng/ul
 RT: 19.12 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BM000642.D
 Acq: 04 Mar 2015 11:14

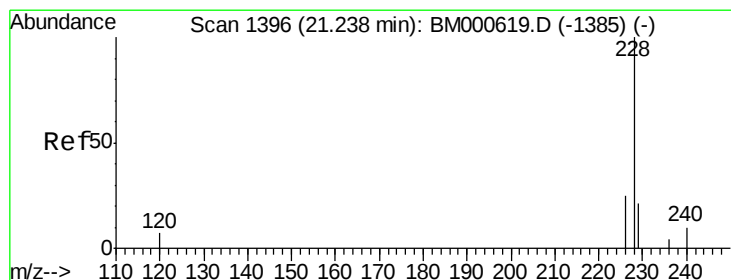
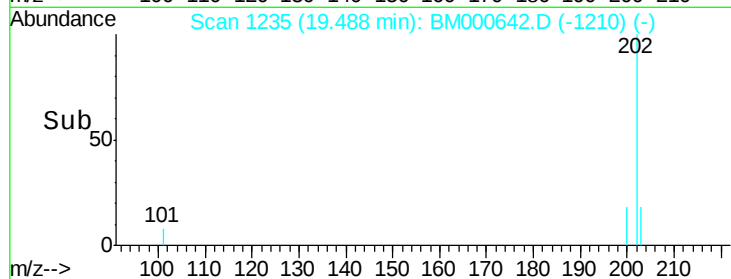
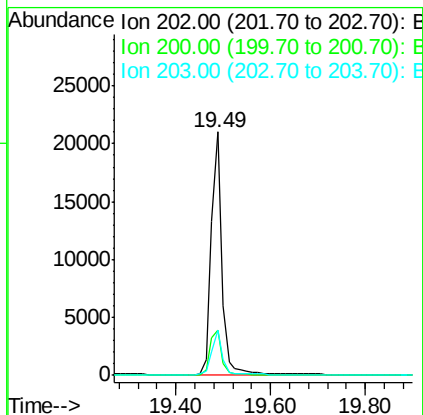
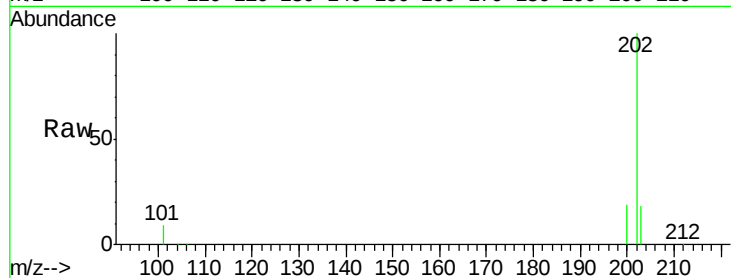
Tgt Ion:202 Resp: 31961
 Ion Ratio Lower Upper
 202 100
 101 6.9 0.0 27.0
 203 18.7 0.0 38.5





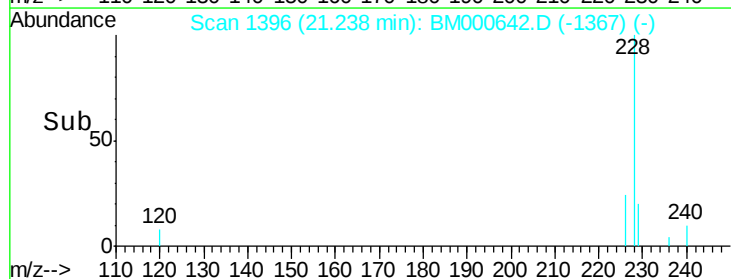
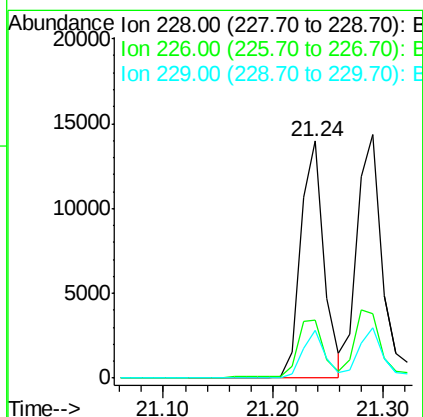
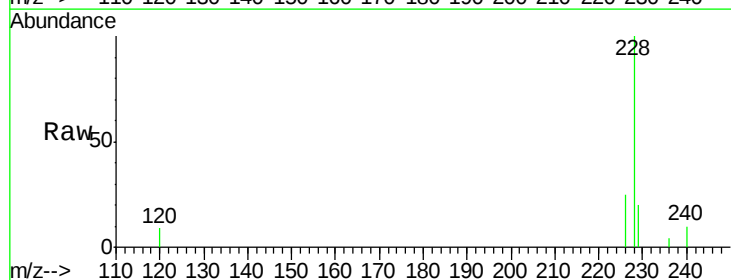
#19
 Pyrene
 Concen: 0.50 ng/ul
 RT: 19.49 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: BM000642.D
 Acq: 04 Mar 2015 11:14

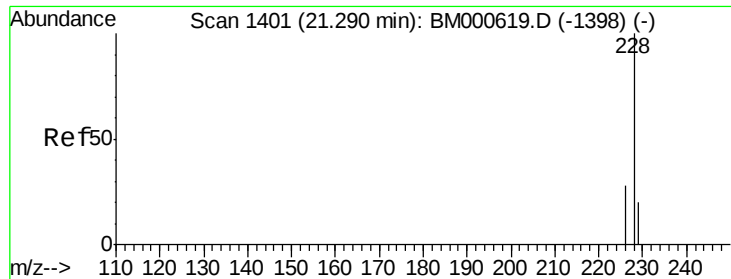
Tgt Ion:	202	Resp:	32321
Ion	Ratio	Lower	Upper
202	100		
200	18.7	15.5	23.3
203	18.3	14.2	21.2



#20
 Benzo(a)anthracene
 Concen: 0.47 ng/ul
 RT: 21.24 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: BM000642.D
 Acq: 04 Mar 2015 11:14

Tgt Ion:	228	Resp:	20111
Ion	Ratio	Lower	Upper
228	100		
226	24.7	20.0	30.0
229	20.4	16.7	25.1





#21

Chrysene

Concen: 0.48 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BM000642.D

Acq: 04 Mar 2015 11:14

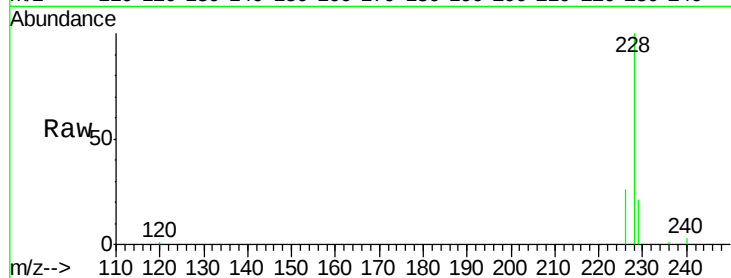
Tgt Ion: 228 Resp: 24094

Ion Ratio Lower Upper

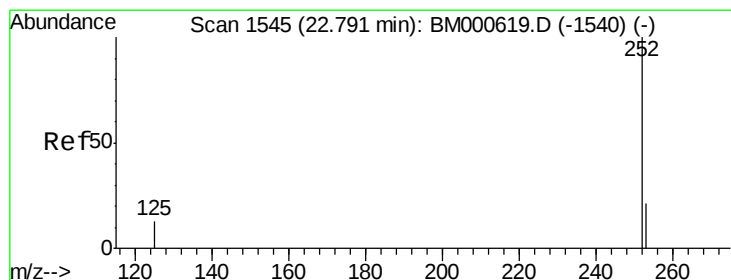
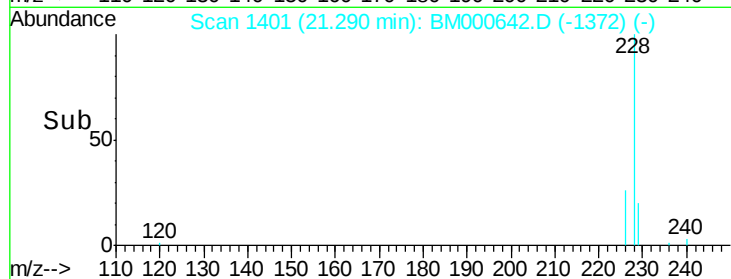
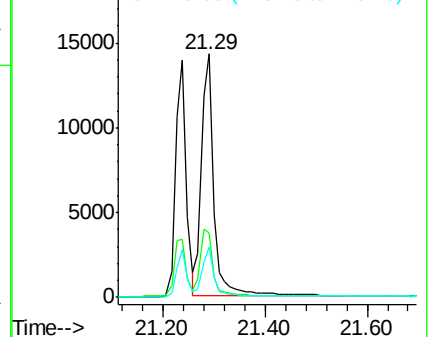
228 100

226 26.4 22.6 33.8

229 20.6 16.4 24.6



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: 0.49 ng/ul

RT: 22.79 min Scan# 1545

Delta R.T. -0.00 min

Lab File: BM000642.D

Acq: 04 Mar 2015 11:14

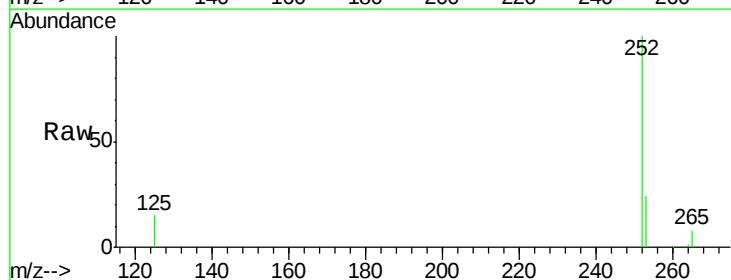
Tgt Ion: 252 Resp: 17846

Ion Ratio Lower Upper

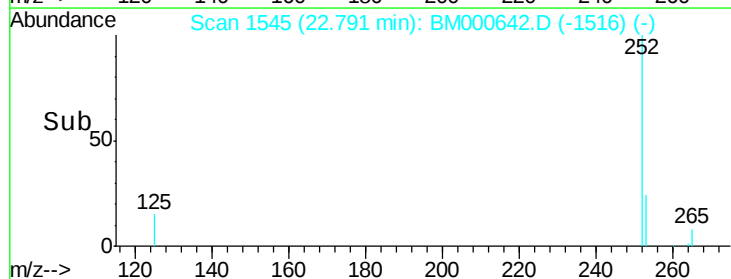
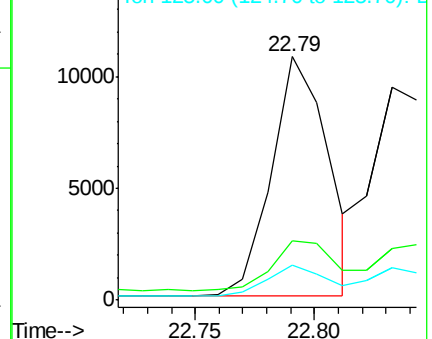
252 100

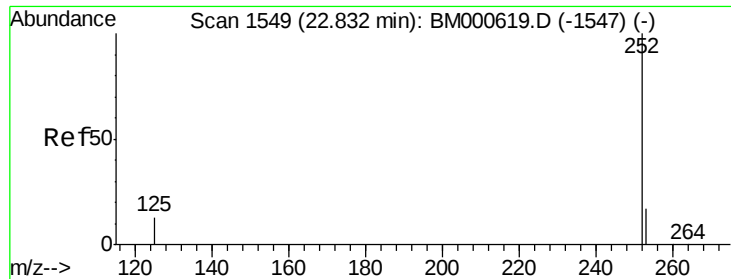
253 24.3 0.0 51.2

125 14.5 0.0 30.0



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: 0.49 ng/ul

RT: 22.83 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BM000642.D

Acq: 04 Mar 2015 11:14

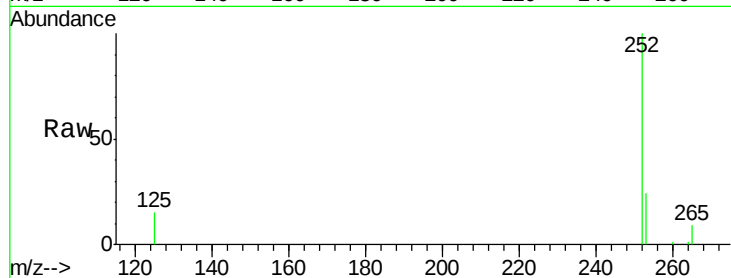
Tgt Ion: 252 Resp: 19504

Ion Ratio Lower Upper

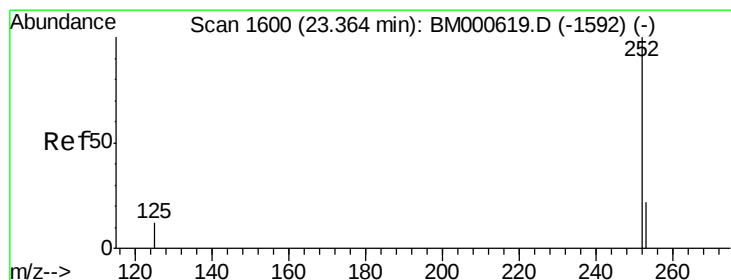
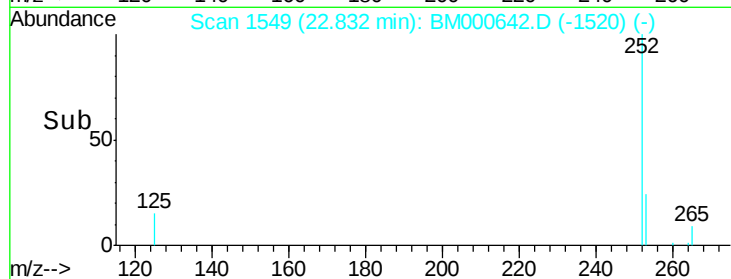
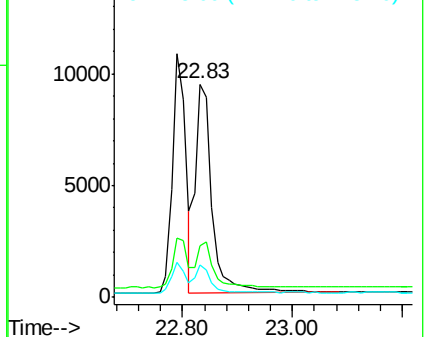
252 100

253 24.4 20.5 30.7

125 15.3 11.8 17.6



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



#25

Benzo(a)pyrene

Concen: 0.46 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BM000642.D

Acq: 04 Mar 2015 11:14

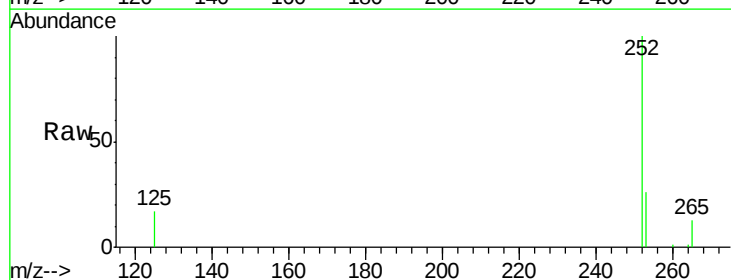
Tgt Ion: 252 Resp: 16694

Ion Ratio Lower Upper

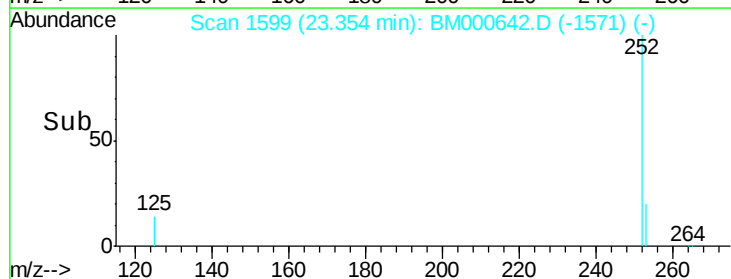
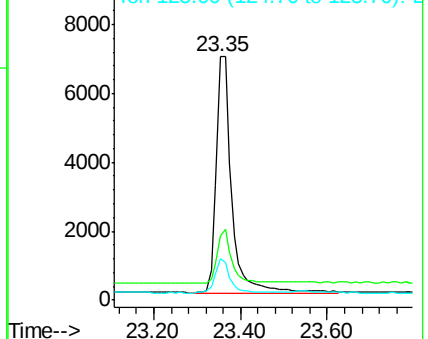
252 100

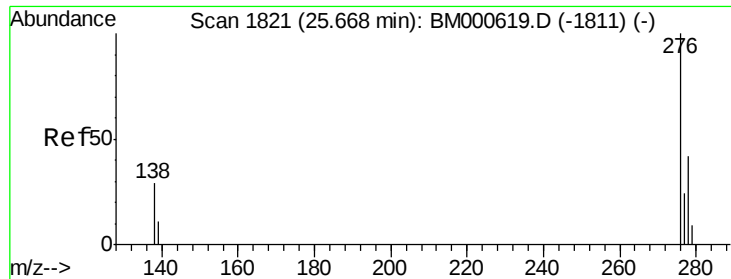
253 26.5 23.4 35.0

125 17.0 12.2 18.4



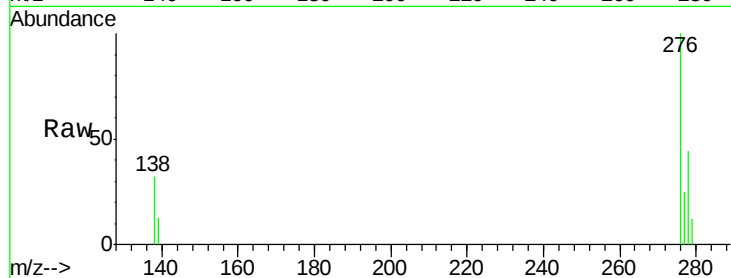
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



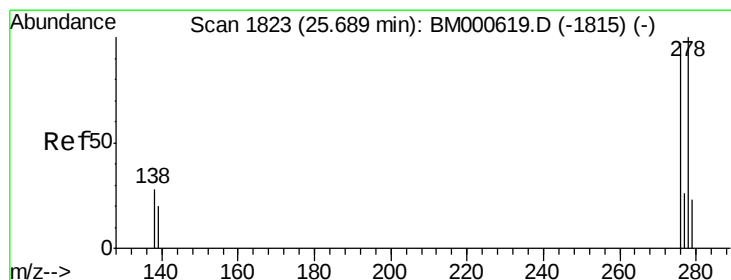
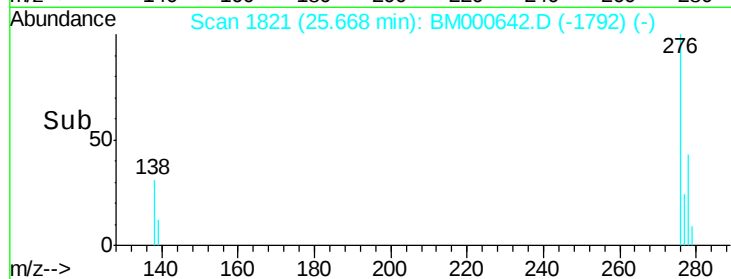
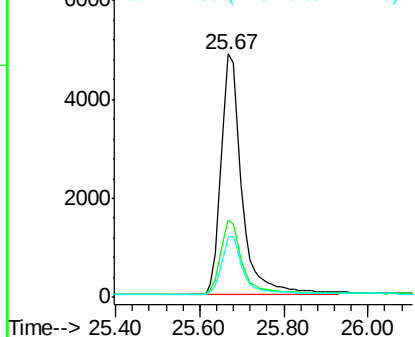


#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.44 ng/ul
 RT: 25.67 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BM000642.D
 Acq: 04 Mar 2015 11:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.1	23.8	35.8
277	24.7	19.7	29.5

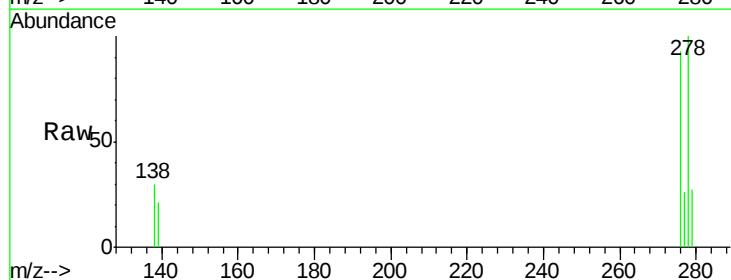


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

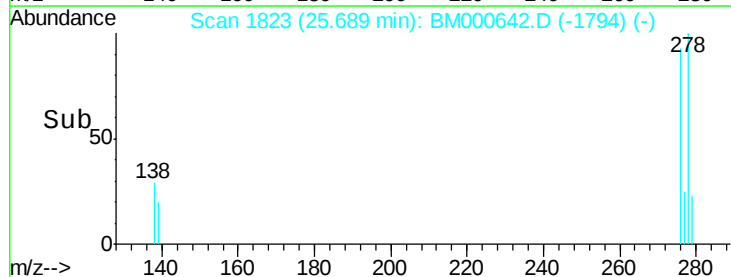
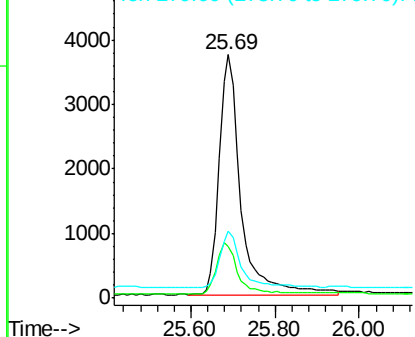


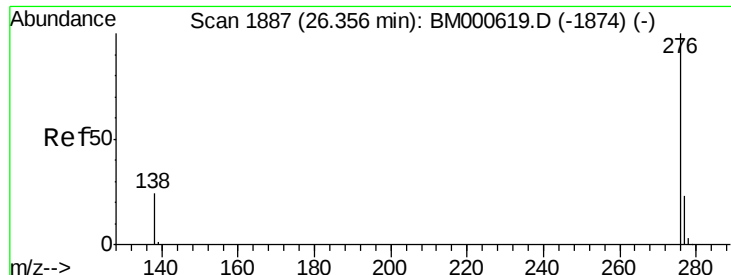
#27
 Dibenzo(a,h)anthracene
 Concen: 0.43 ng/ul
 RT: 25.69 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BM000642.D
 Acq: 04 Mar 2015 11:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.4	17.0	25.6
279	27.4	22.3	33.5



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





#28

Benzo(g,h,i)perylene

Concen: 0.44 ng/ul

RT: 26.35 min Scan# 1886

Delta R.T. -0.01 min

Lab File: BM000642.D

Acq: 04 Mar 2015 11:14

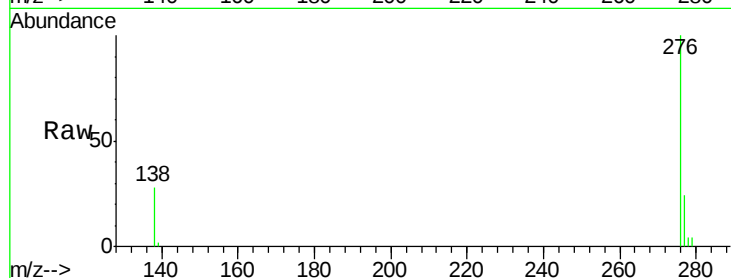
Tgt Ion: 276 Resp: 15012

Ion Ratio Lower Upper

276 100

277 24.3 19.9 29.9

138 28.1 20.6 30.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

