

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
 Data File : BG018163.D
 Acq On : 29 Jul 2015 1:03
 Operator : TP/UM
 Sample : G3035-13DL 5X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02J6DL

Quant Time: Jul 29 02:07:23 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 01:59:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	38075	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	173189	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.19	164	111073	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.94	188	218045	20.00	ng/ul	0.01
78) Chrysene-d12	21.16	240	225507	20.00	ng/ul	0.01
86) Perylene-d12	23.35	264	240392	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	373	0.61	ng/uL	0.01
5) Phenol-d5	6.71	99	11323	3.86	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.86	67	5999	4.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	11020	4.23	ng/ul	0.01
13) 4-Methylphenol-d8	8.24	113	10109	3.88	ng/ul	0.01
19) Nitrobenzene-d5	8.67	128	6228	4.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	6371	4.41	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.93	165	12156	4.83	ng/ul	0.02
29) 4-Chloroaniline-d4	10.45	131	10900	3.72	ng/ul	0.01
44) Dimethylphthalate-d6	13.60	166	34164	4.38	ng/ul	0.00
47) Acenaphthylene-d8	13.88	160	45330	4.73	ng/ul	0.01
52) 4-Nitrophenol-d4	14.42	143	4535	2.76	ng/ul	0.02
58) Fluorene-d10	15.19	176	32603	4.52	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.04	188	44800	4.74	ng/ul	0.01
79) Pyrene-d10	19.35	212	45300	4.39	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.21	264	44795	3.90	ng/ul	0.01

Target Compounds

						Qvalue
14) Acetophenone	8.34	105	3782	1.03	ng/ul	95
28) Naphthalene	10.35	128	10952	1.35	ng/ul	97
34) 2-Methylnaphthalene	11.97	142	8894	1.45	ng/ul	87
35) 1-Methylnaphthalene	12.20	142	6972	1.17	ng/ul#	93
45) Dimethylphthalate	13.65	163	10185	1.30	ng/ul	97
50) Acenaphthene	14.25	153	29837	4.53	ng/ul	95
54) Dibenzofuran	14.59	168	28346	3.03	ng/ul	95
59) Fluorene	15.25	166	33428	4.15	ng/ul	95
70) Phenanthrene	16.99	178	412969	37.69	ng/ul	99
72) Anthracene	17.08	178	103999	9.35	ng/ul	99
75) Carbazole	17.36	167	37545	3.90	ng/ul	99
77) Fluoranthene	19.02	202	444975	38.13	ng/ul#	95
80) Pyrene	19.39	202	487638	37.76	ng/ul	94
83) Benzo(a)anthracene	21.14	228	243487	20.41	ng/ul	99
85) Chrysene	21.19	228	221775	19.75	ng/ul	96
88) Benzo(b)fluoranthene	22.70	252	243964	18.52	ng/ul	99
89) Benzo(k)fluoranthene	22.70	252	243964	19.14	ng/ul	99
91) Benzo(a)pyrene	23.25	252	194364	15.24	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.57	276	93536	6.36	ng/ul#	93
93) Dibenzo(a,h)anthracene	25.58	278	28912	2.30	ng/ul#	88
94) Benzo(g,h,i)perylene	26.26	276	80836	6.65	ng/ul#	92

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QLast Update : Wed Jul 29 01:59:28 2015
Response via : Initial Calibration

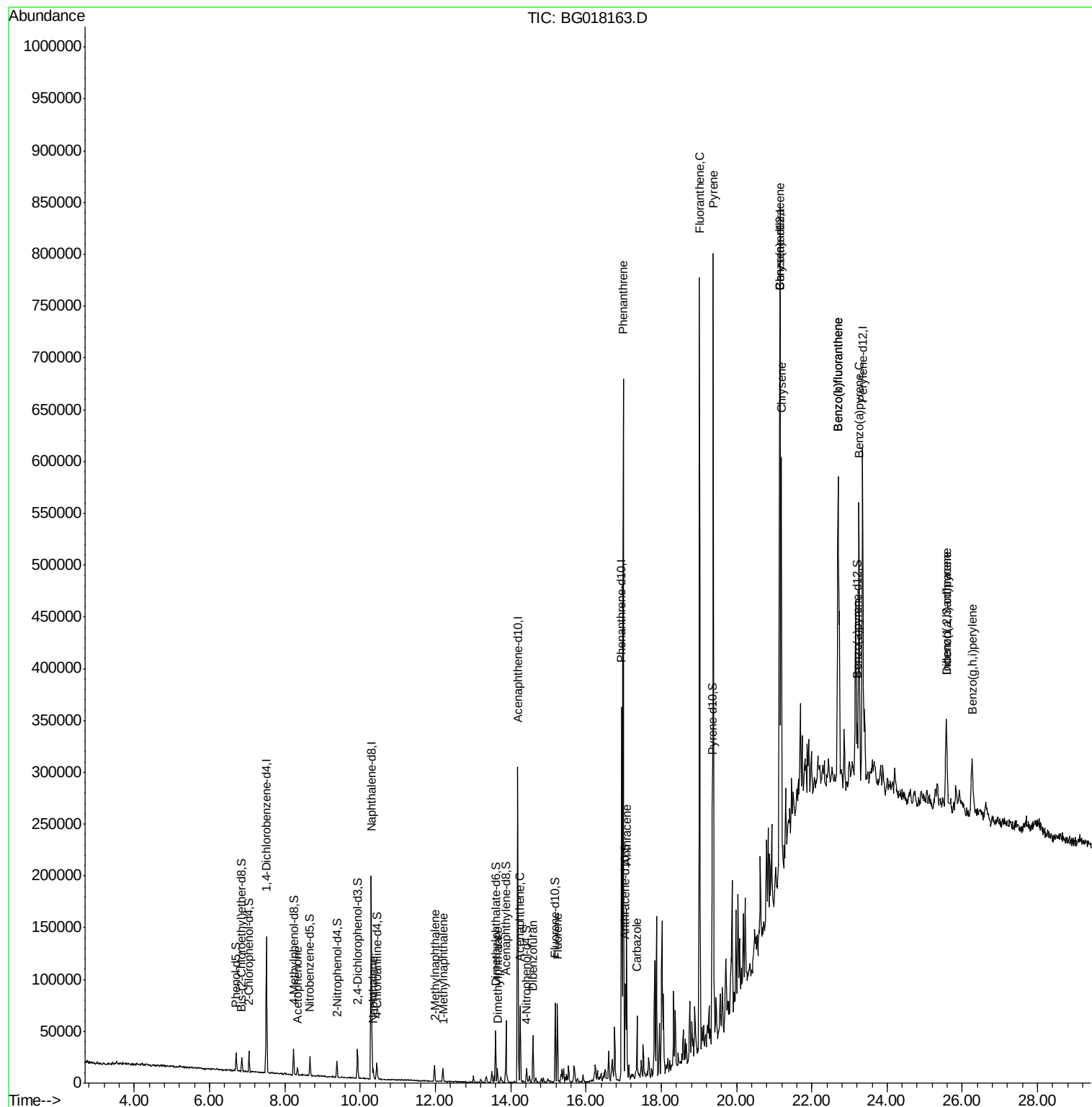
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

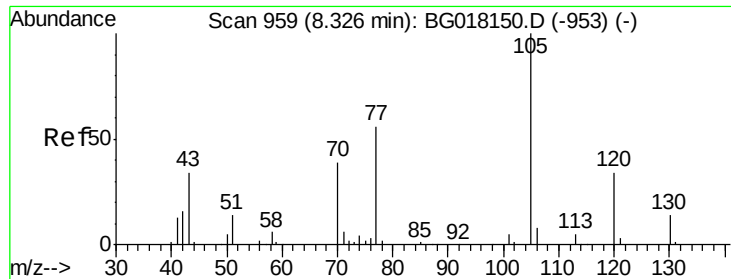
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#14

Acetophenone

Concen: 1.03 ng/ul

RT: 8.34 min Scan# 961

Delta R.T. 0.01 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

Instrument :

BNA_M

ClientSampleId :

C02J6DL

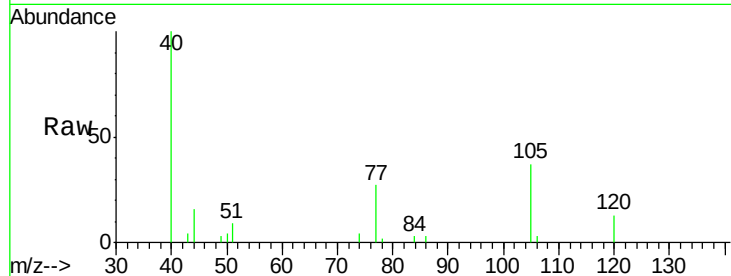
Tgt Ion:105 Resp: 3782

Ion Ratio Lower Upper

105 100

77 72.6 61.7 92.5

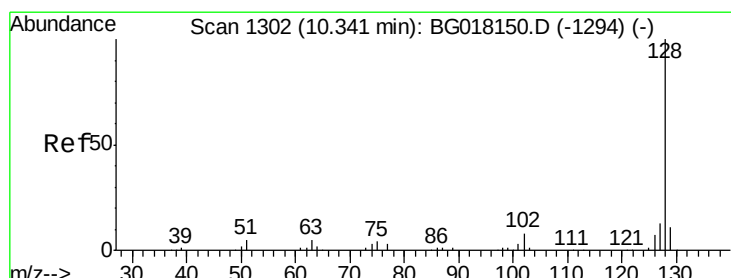
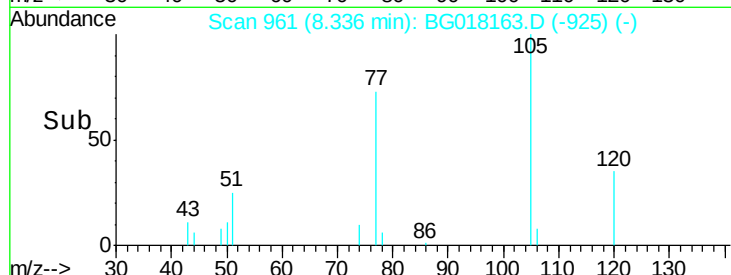
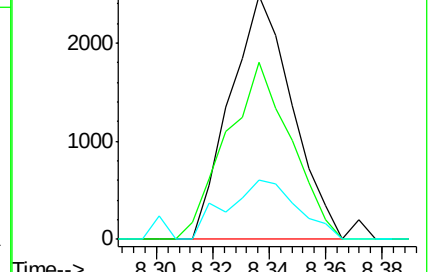
51 24.6 18.1 27.1



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#28

Naphthalene

Concen: 1.35 ng/ul

RT: 10.35 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

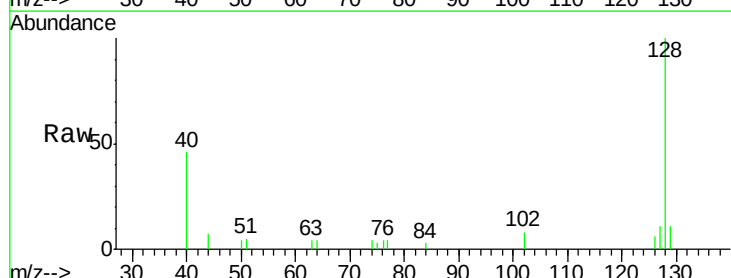
Tgt Ion:128 Resp: 10952

Ion Ratio Lower Upper

128 100

129 11.1 9.5 14.3

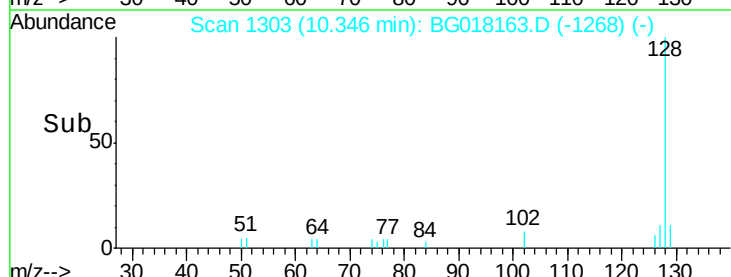
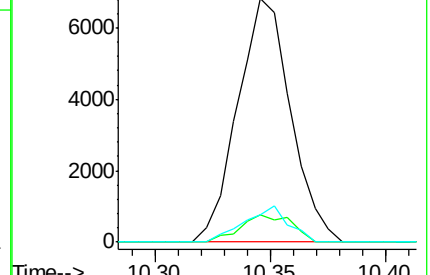
127 11.2 10.1 15.1

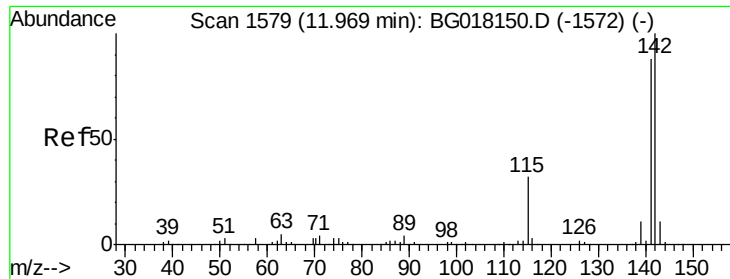


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#34

2-Methylnaphthalene

Concen: 1.45 ng/ul

RT: 11.97 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

Instrument :

BNA_M

ClientSampleId :

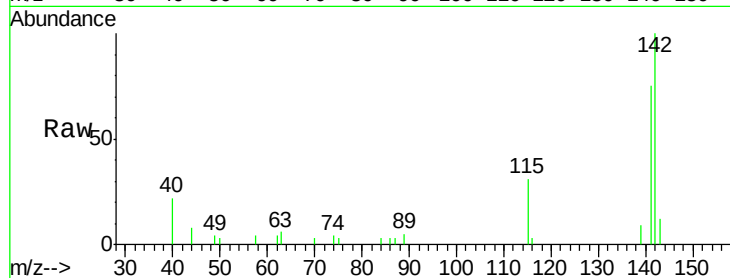
C02J6DL

Tgt Ion:142 Resp: 8894

Ion Ratio Lower Upper

142 100

141 74.7 69.4 104.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.97

6000

5000

4000

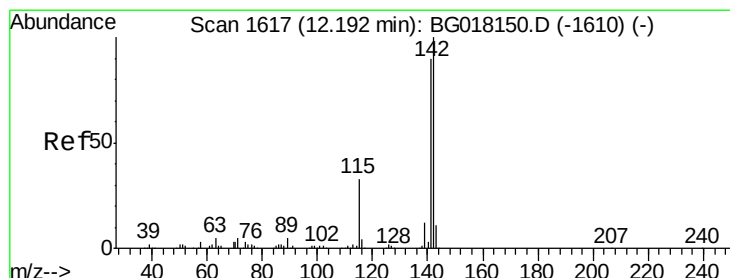
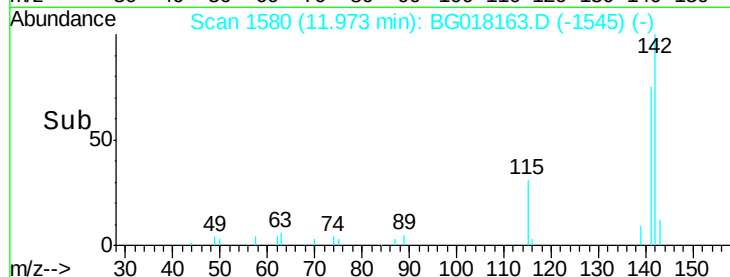
3000

2000

1000

0

Time-->



#35

1-Methylnaphthalene

Concen: 1.17 ng/ul

RT: 12.20 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

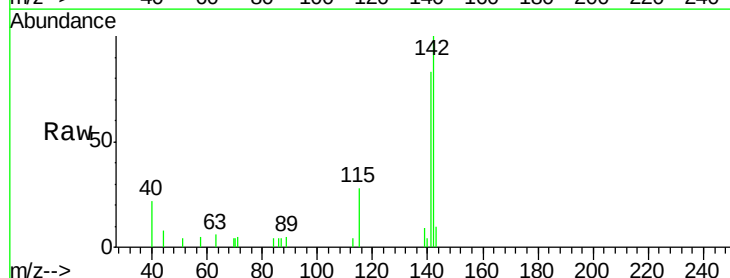
Tgt Ion:142 Resp: 6972

Ion Ratio Lower Upper

142 100

141 82.9 71.8 107.6

116 0.0 3.2 4.8#



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

12.20

6000

5000

4000

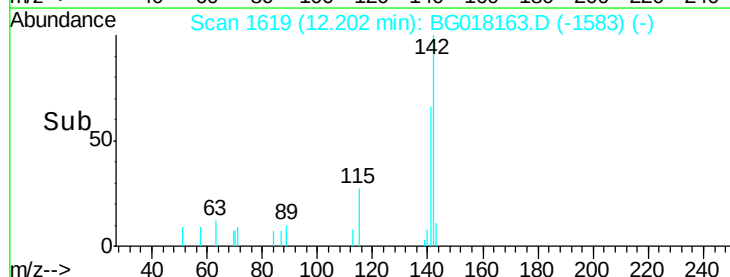
3000

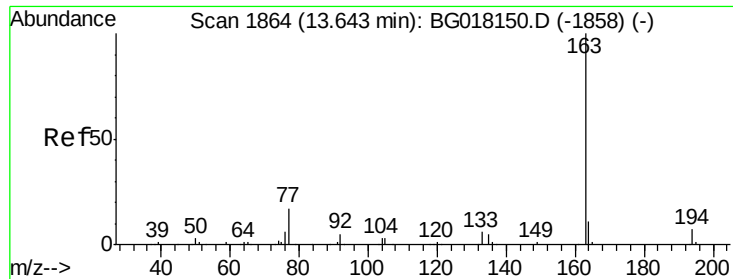
2000

1000

0

Time-->





#45

Dimethylphthalate

Concen: 1.30 ng/ul

RT: 13.65 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

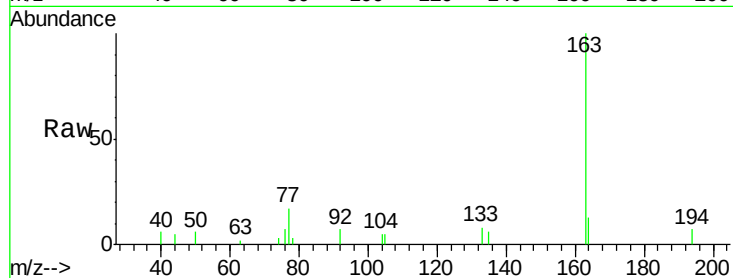
Instrument :

BNA_M

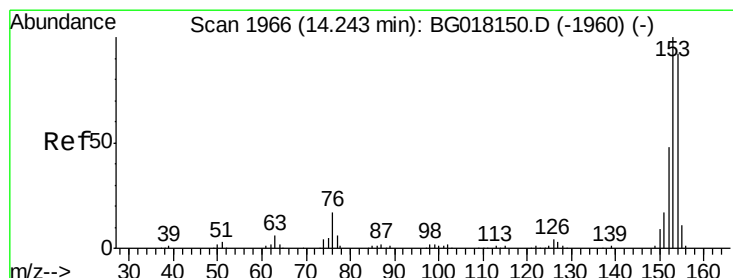
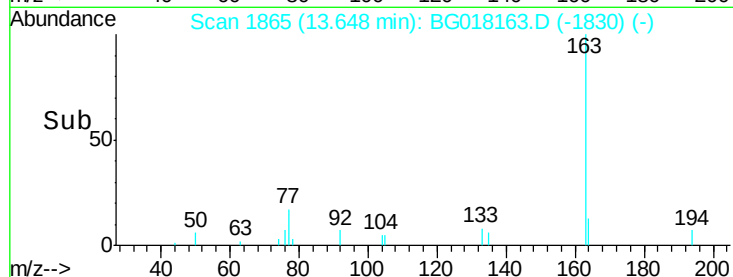
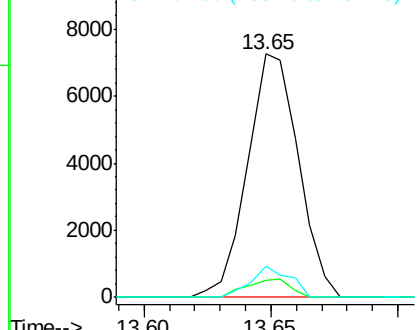
ClientSampleId :

C02J6DL

Tgt Ion:	163	Resp:	10185
Ion Ratio	Lower	Upper	
163	100		
194	6.8	5.4	8.2
164	12.9	8.7	13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

Acenaphthene

Concen: 4.53 ng/ul

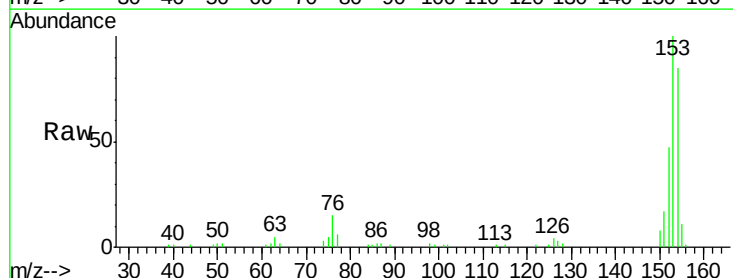
RT: 14.25 min Scan# 1968

Delta R.T. 0.01 min

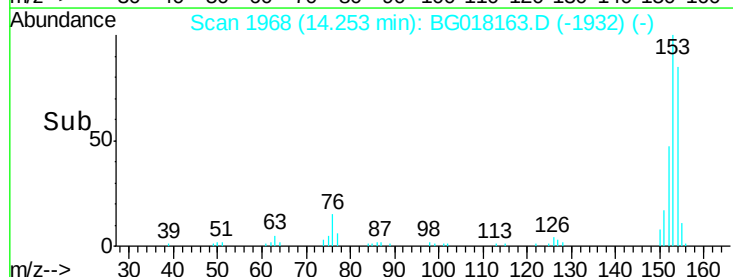
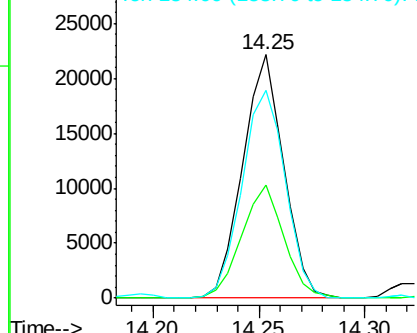
Lab File: BG018163.D

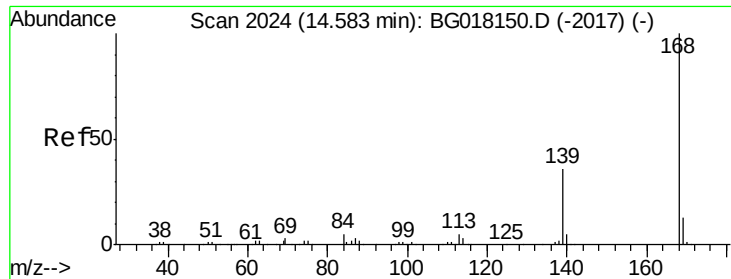
Acq: 29 Jul 2015 1:03

Tgt Ion:	153	Resp:	29837
Ion Ratio	Lower	Upper	
153	100		
152	46.6	38.9	58.3
154	85.2	72.6	108.8



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





#54

Diben-zofuran

Concen: 3.03 ng/ul

RT: 14.59 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

Instrument :

BNA_M

ClientSampleId :

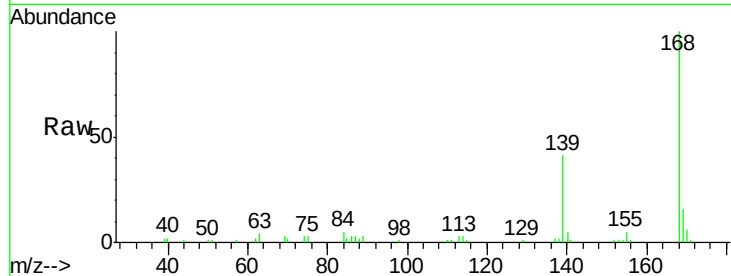
C02J6DL

Tgt Ion:168 Resp: 28346

Ion Ratio Lower Upper

168 100

139 41.0 30.6 46.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.59

20000

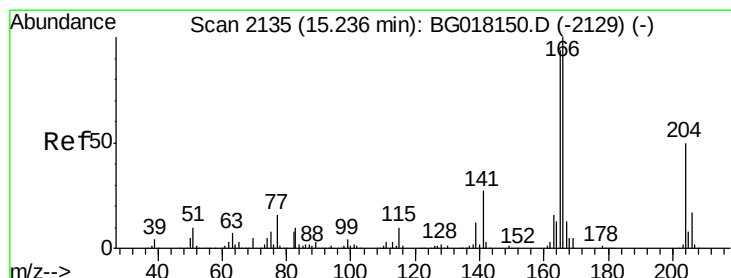
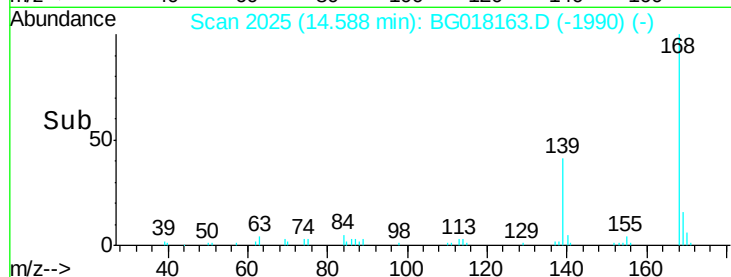
15000

10000

5000

0

Time-->



#59

Fluorene

Concen: 4.15 ng/ul

RT: 15.25 min Scan# 2137

Delta R.T. 0.01 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

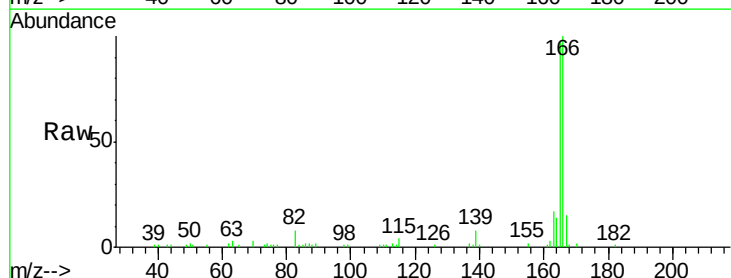
Tgt Ion:166 Resp: 33428

Ion Ratio Lower Upper

166 100

165 96.6 73.6 110.4

167 14.8 10.8 16.2



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

15.25

30000

25000

20000

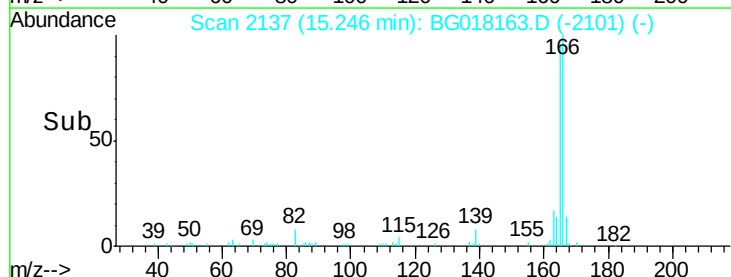
15000

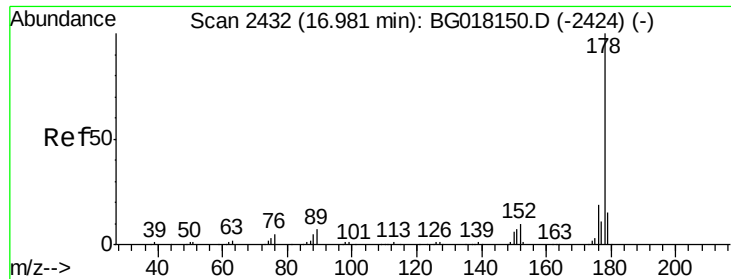
10000

5000

0

Time-->

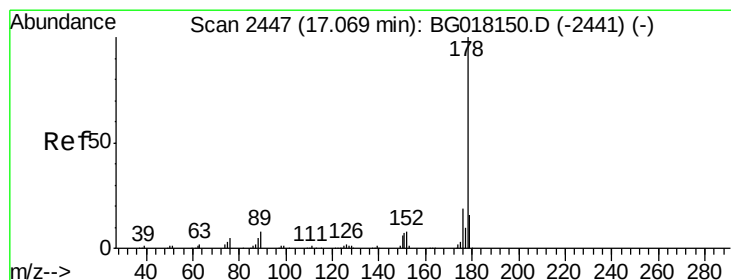
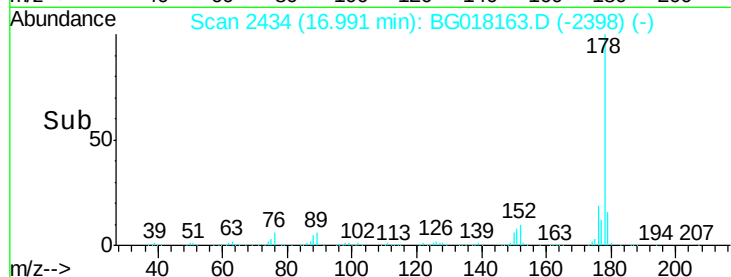
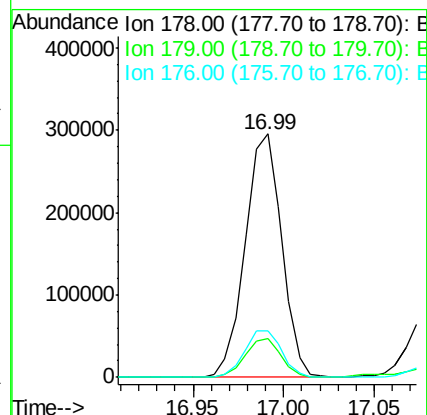
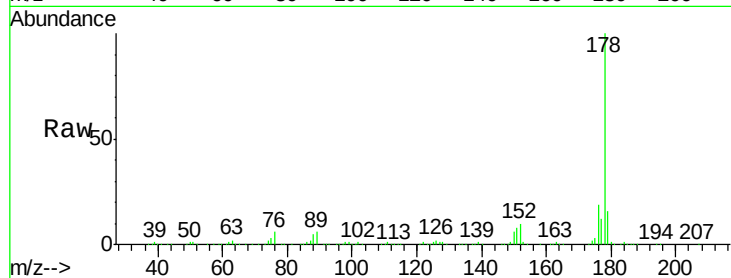




#70
Phenanthrene
Concen: 37.69 ng/ul
RT: 16.99 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BG018163.D
Acq: 29 Jul 2015 1:03

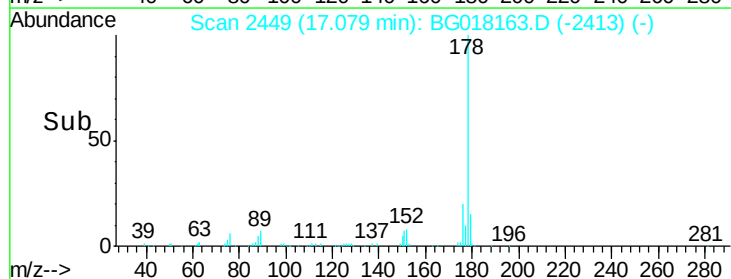
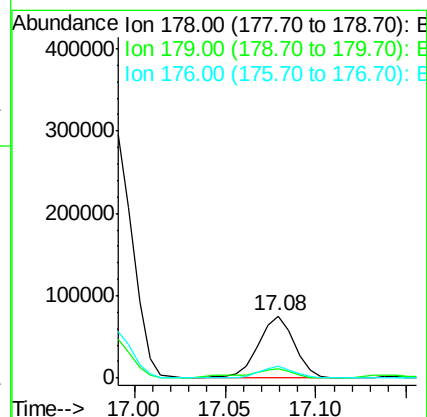
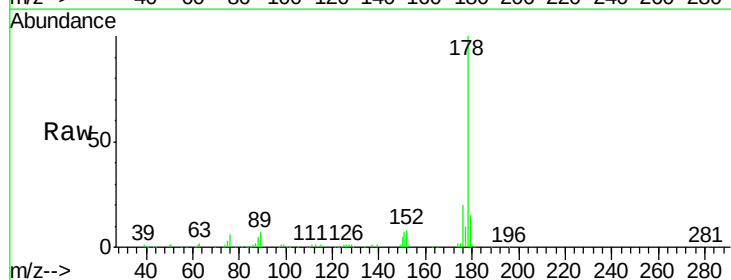
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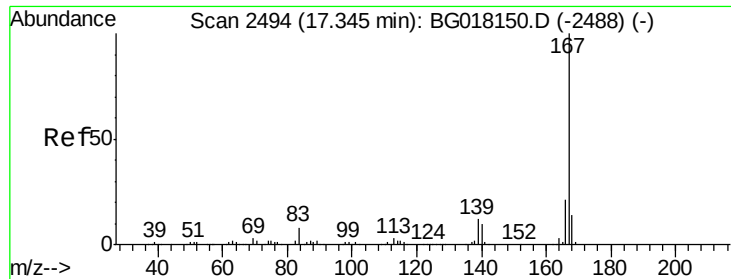
Tgt Ion:178 Resp: 412969
Ion Ratio Lower Upper
178 100
179 16.0 13.0 19.6
176 19.3 15.8 23.8



#72
Anthracene
Concen: 9.35 ng/ul
RT: 17.08 min Scan# 2449
Delta R.T. 0.01 min
Lab File: BG018163.D
Acq: 29 Jul 2015 1:03

Tgt Ion:178 Resp: 103999
Ion Ratio Lower Upper
178 100
179 15.1 12.4 18.6
176 20.0 15.8 23.8





#75

Carbazole

Concen: 3.90 ng/ul

RT: 17.36 min Scan# 2496

Delta R.T. 0.01 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

Instrument :

BNA_M

ClientSampleId :

C02J6DL

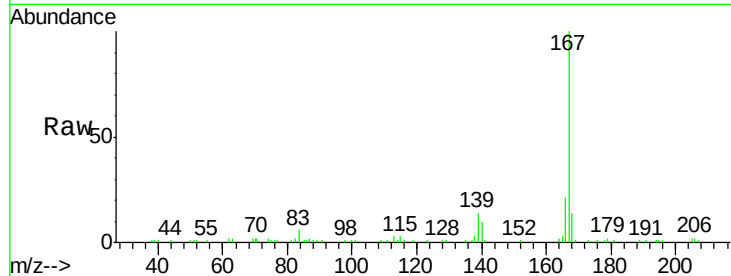
Tgt Ion:167 Resp: 37545

Ion Ratio Lower Upper

167 100

166 21.4 17.4 26.2

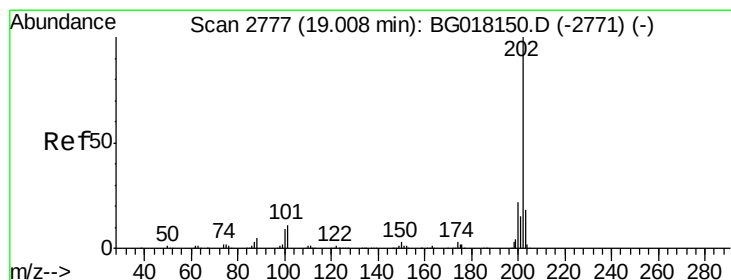
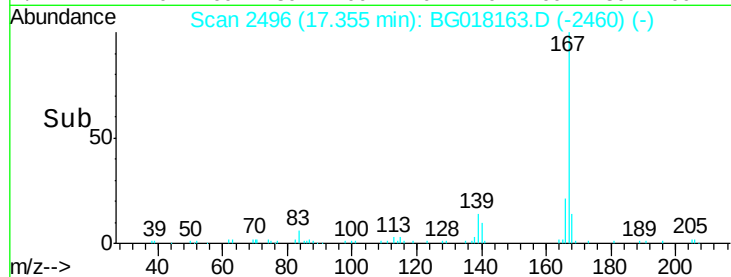
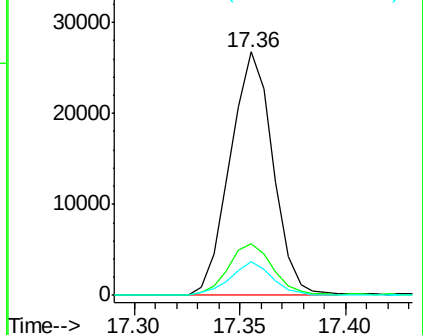
139 13.6 10.6 15.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 38.13 ng/ul

RT: 19.02 min Scan# 2780

Delta R.T. 0.02 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

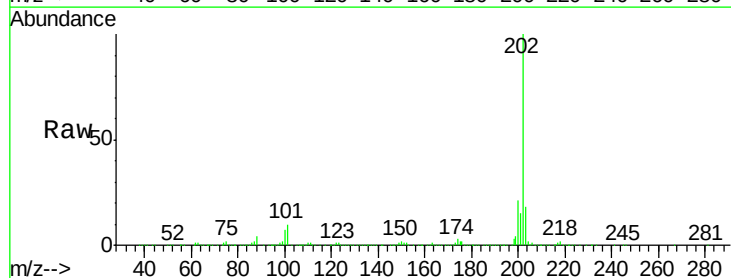
Tgt Ion:202 Resp: 444975

Ion Ratio Lower Upper

202 100

101 9.7 9.1 13.7

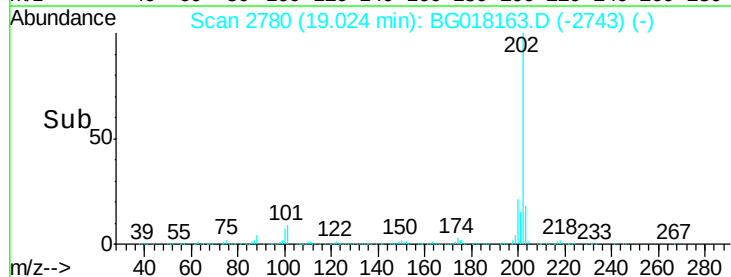
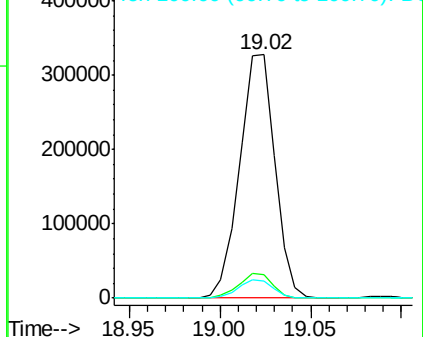
100 7.0 7.5 11.3#

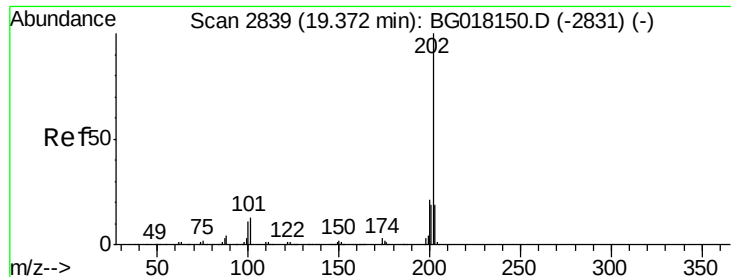


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

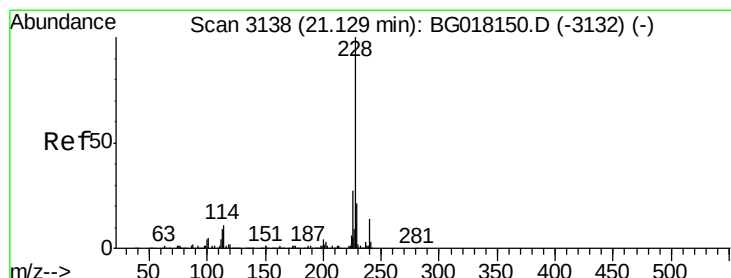
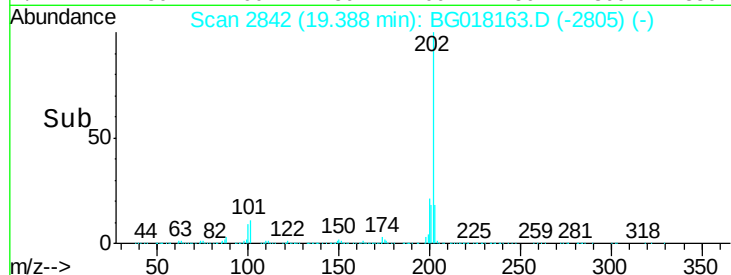
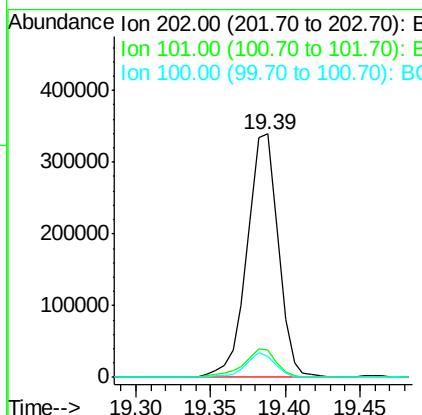
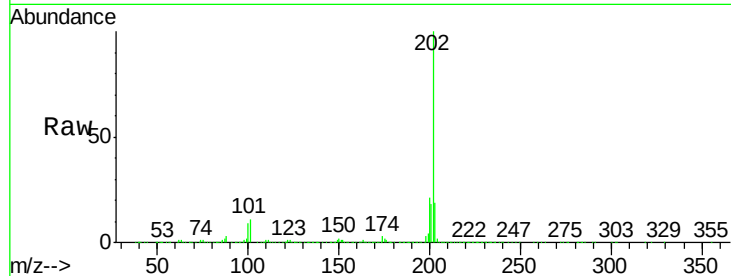




#80
 Pyrene
 Concen: 37.76 ng/ul
 RT: 19.39 min Scan# 2842
 Delta R.T. 0.02 min
 Lab File: BG018163.D
 Acq: 29 Jul 2015 1:03

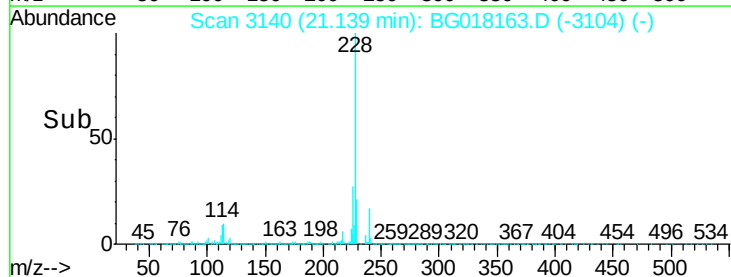
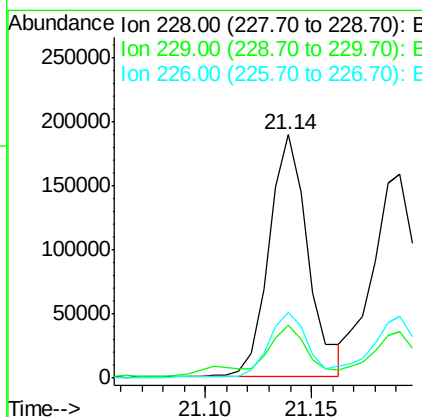
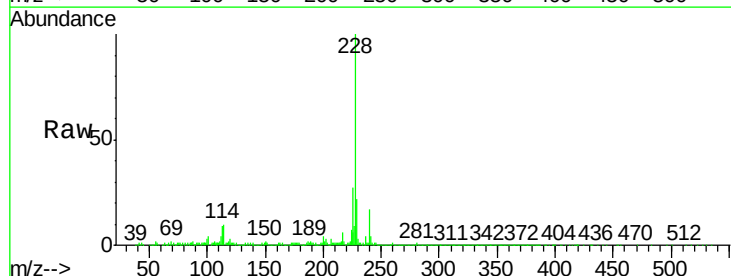
Instrument :
 BNA_M
 ClientSampleId :
 C02J6DL

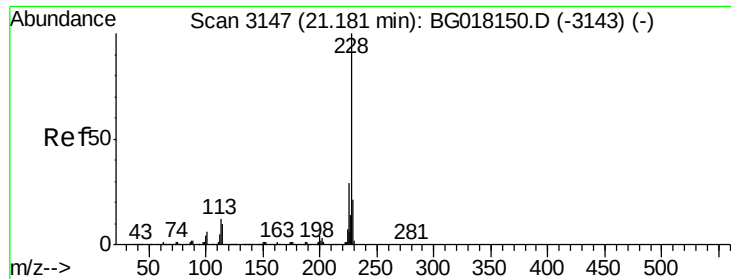
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	10.9	16.3
100	8.8	8.5	12.7



#83
 Benzo(a)anthracene
 Concen: 20.41 ng/ul
 RT: 21.14 min Scan# 3140
 Delta R.T. 0.01 min
 Lab File: BG018163.D
 Acq: 29 Jul 2015 1:03

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	16.6	24.8
226	27.0	21.1	31.7

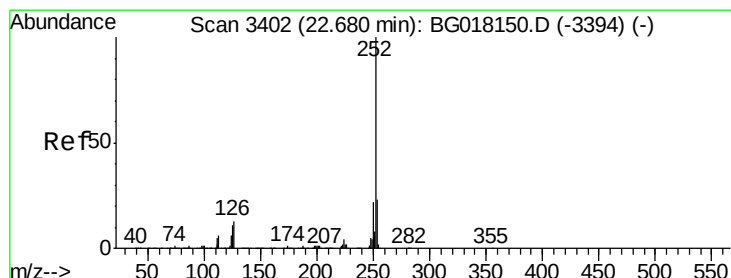
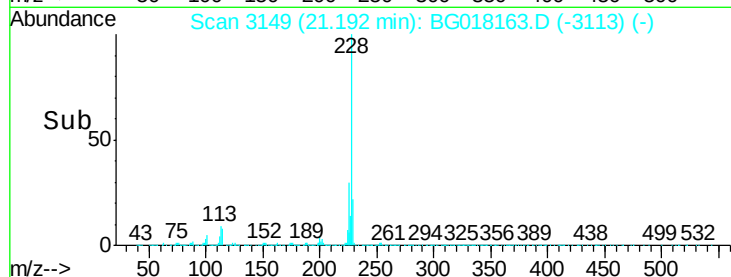
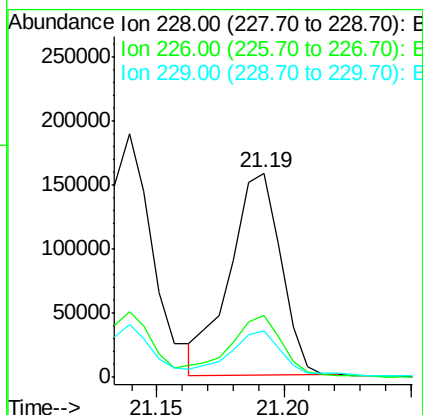
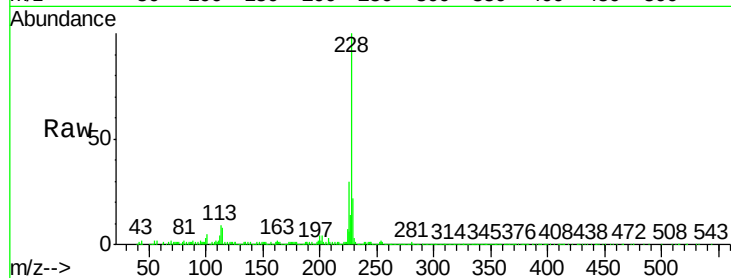




#85
Chrysene
Concen: 19.75 ng/ul
RT: 21.19 min Scan# 3149
Delta R.T. 0.01 min
Lab File: BG018163.D
Acq: 29 Jul 2015 1:03

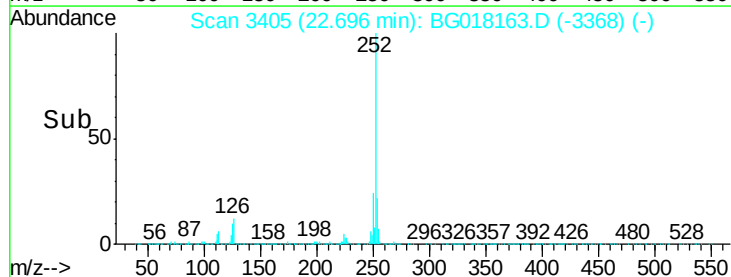
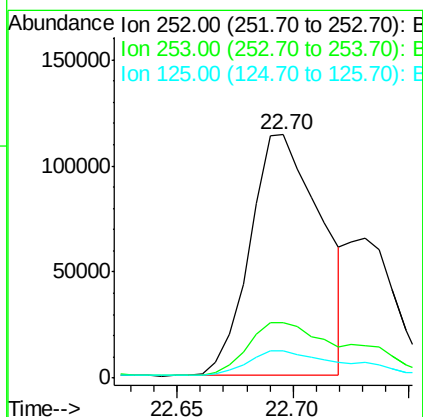
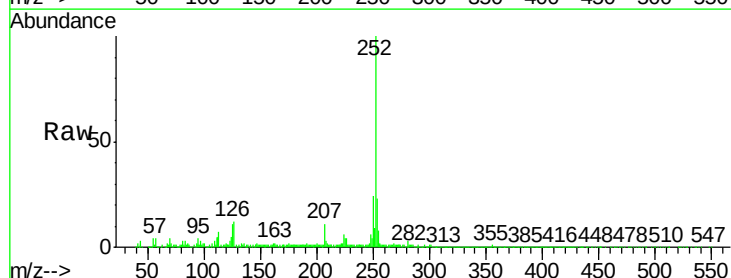
Instrument :
BNA_M
ClientSampleId :
C02J6DL

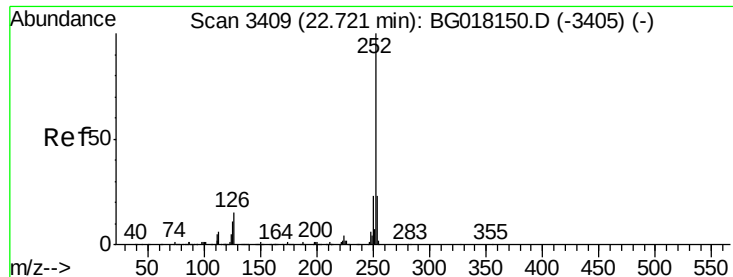
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.9	34.3
229	22.5	15.6	23.4



#88
Benzo(b)fluoranthene
Concen: 18.52 ng/ul
RT: 22.70 min Scan# 3405
Delta R.T. 0.02 min
Lab File: BG018163.D
Acq: 29 Jul 2015 1:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.5	27.7
125	11.1	9.1	13.7





#89

Benzo(k)fluoranthene

Concen: 19.14 ng/ul

RT: 22.70 min Scan# 3405

Delta R.T. -0.02 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

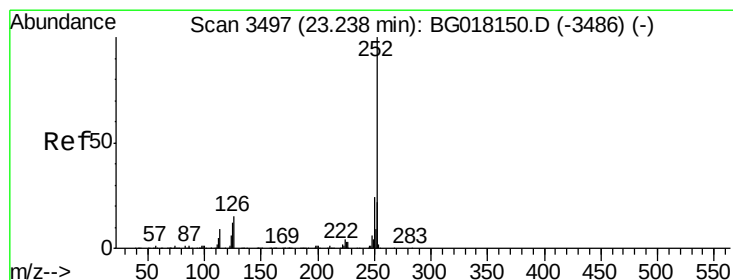
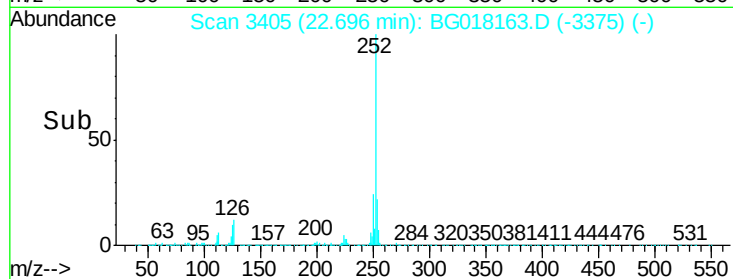
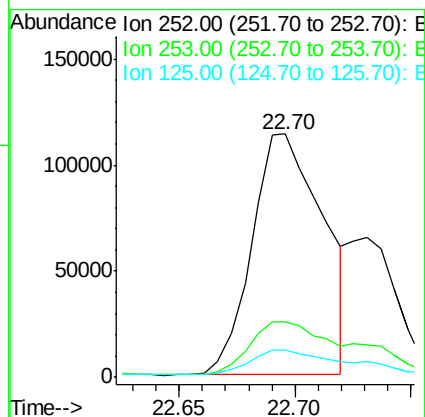
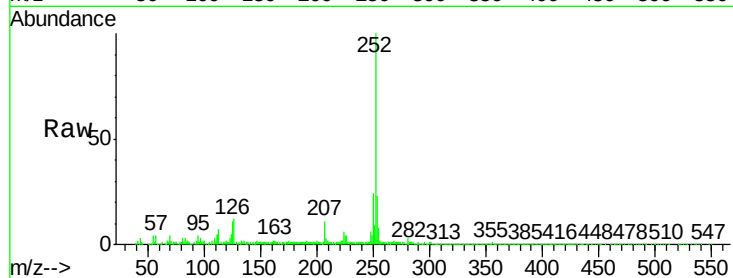
Instrument :

BNA_M

ClientSampleId :

C02J6DL

Tgt Ion:	252	Resp:	243964
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.8
125	11.1	9.3	13.9



#91

Benzo(a)pyrene

Concen: 15.24 ng/ul

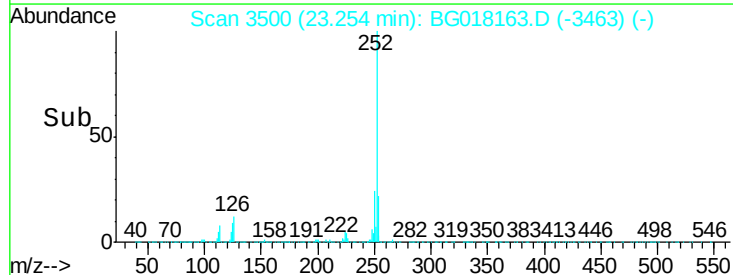
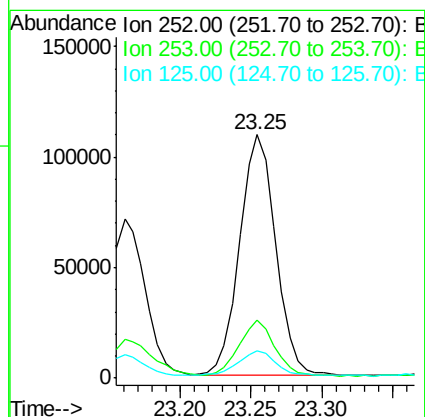
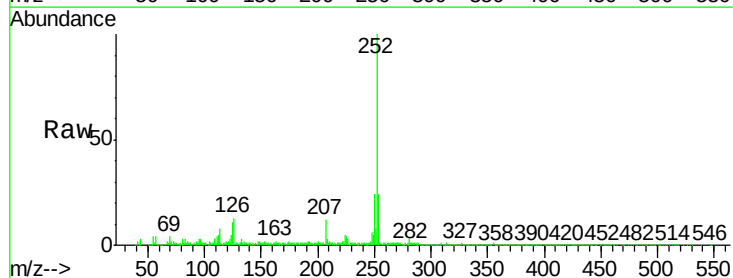
RT: 23.25 min Scan# 3500

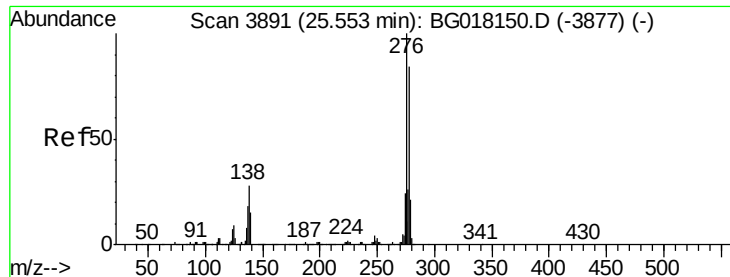
Delta R.T. 0.02 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

Tgt Ion:	252	Resp:	194364
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.0	27.0
125	11.1	10.2	15.2





#92

Indeno(1,2,3-cd)pyrene

Concen: 6.36 ng/ul

RT: 25.57 min Scan# 3894

Delta R.T. 0.02 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

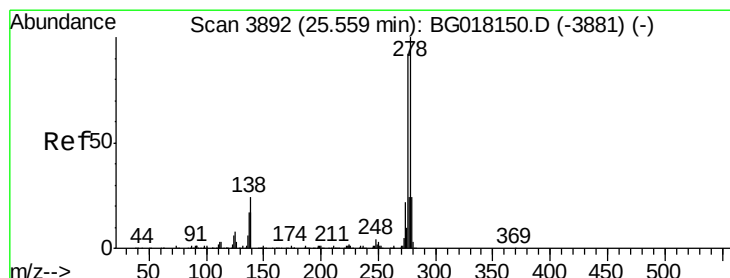
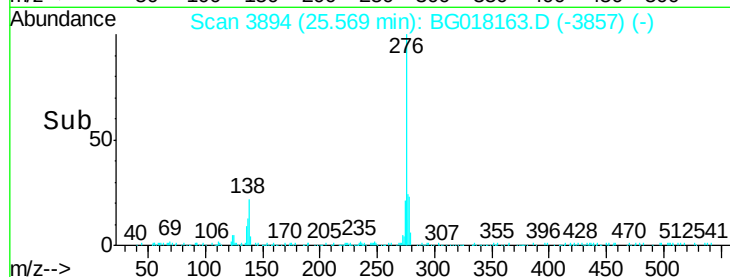
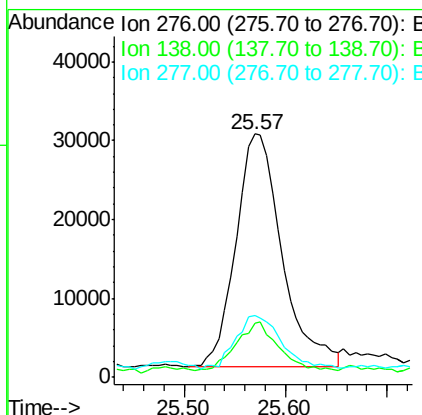
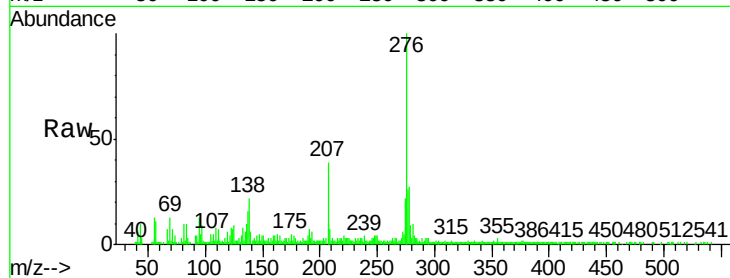
Instrument :

BNA_M

ClientSampleId :

C02J6DL

Tgt Ion:	276	Resp:	93536
Ion Ratio		Lower	Upper
276	100		
138	22.2	22.6	33.8#
277	25.6	19.8	29.8



#93

Dibenzo(a,h)anthracene

Concen: 2.30 ng/ul

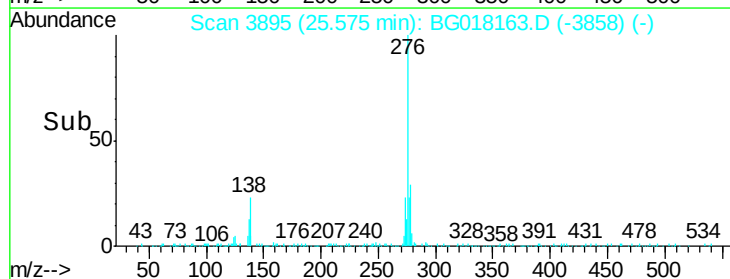
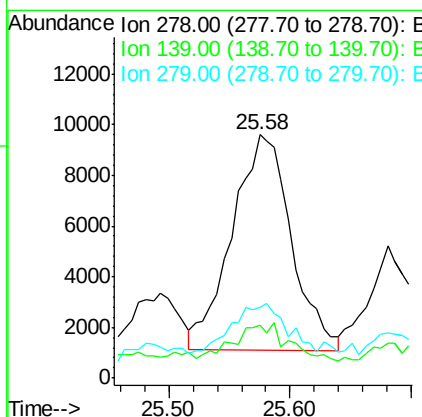
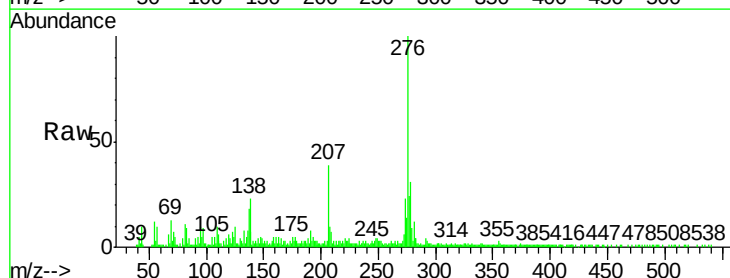
RT: 25.58 min Scan# 3895

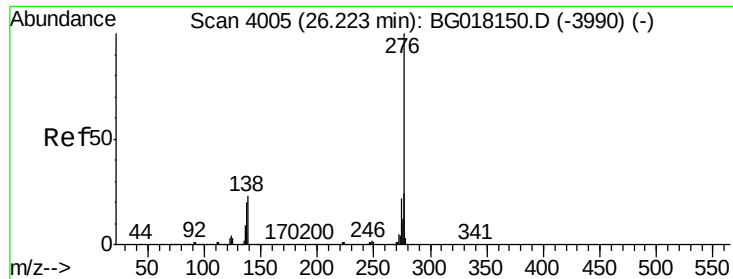
Delta R.T. 0.02 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

Tgt Ion:	278	Resp:	28912
Ion Ratio		Lower	Upper
278	100		
139	21.5	13.7	20.5#
279	29.3	18.1	27.1#





#94

Benzo(g,h,i)perylene

Concen: 6.65 ng/ul

RT: 26.26 min Scan# 4011

Delta R.T. 0.03 min

Lab File: BG018163.D

Acq: 29 Jul 2015 1:03

Instrument :

BNA_M

ClientSampleId :

C02J6DL

Tgt Ion: 276 Resp: 80836

Ion Ratio Lower Upper

276 100

138 18.3 18.8 28.2#

277 26.9 19.3 28.9

