

Data File : BG041918.D
Acq On : 3 Aug 2019 21:06
Operator : HP/JU
Sample : K3922-02MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A52F0MS

Quant Time: Aug 04 02:35:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 02:31:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	78111	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.86	136	328463	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	231584	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.45	188	493216	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	481900	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	545962	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	2632	1.47	ng/uL	0.00
5) Phenol-d5	7.18	99	104478	17.04	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.35	67	53680	15.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	86561	16.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	98561	19.15	ng/ul	-0.01
19) Nitrobenzene-d5	9.20	128	47982	19.41	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.93	143	61293	21.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	123220	21.26	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.99	131	90198	14.03	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	431502	24.02	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	486272	23.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	59999	19.89	ng/ul	0.00
57) Fluorene-d10	15.69	176	383307	23.99	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	37208	11.76	ng/ul	0.00
70) Anthracene-d10	17.54	188	602983	25.48	ng/ul	0.00
78) Pyrene-d10	19.83	212	716488	26.64	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.78	264	777703	27.27	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.21	94	110071	17.395	ng/ul 98
10) 2-Chlorophenol	7.59	128	86192	16.224	ng/ul 99
15) N-Nitroso-di-n-propylamine	8.85	70	80517	19.256	ng/ul 98
32) Caprolactam	12.13	113	3848	2.070	ng/ul# 12
33) 4-Chloro-3-methylphenol	12.14	107	129590	22.886	ng/ul 96
34) 2-Methylnaphthalene	12.14	142	115572	8.659	ng/ul# 15
44) Dimethylphthalate	14.14	163	142132	7.970	ng/ul 99
49) Acenaphthene	14.76	153	332914	22.992	ng/ul 99
52) 4-Nitrophenol	14.89	109	46249	20.695	ng/ul 89
54) 2,4-Dinitrotoluene	15.05	165	128048	22.704	ng/ul 92
67) Atrazine	17.10	200	16739	2.730	ng/ul# 33
68) Pentachlorophenol	17.10	266	93763	26.251	ng/ul 99
69) Phenanthrene	17.49	178	127483	4.721	ng/ul 97
76) Fluoranthene	19.50	202	395474	12.676	ng/ul 97
79) Pyrene	19.86	202	1124908	34.703	ng/ul 100
82) Benzo(a)anthracene	21.71	228	140477	4.204	ng/ul 98
84) Chrysene	21.78	228	189150	6.065	ng/ul 98
87) Benzo(b)fluoranthene	23.96	252	281748	8.223	ng/ul 98
88) Benzo(k)fluoranthene	23.96	252	281748	8.553	ng/ul 98
90) Benzo(a)pyrene	24.85	252	165548	5.071	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	28.73	276	112427	2.952	ng/ul 97
93) Benzo(g,h,i)perylene	29.89	276	102650	3.229	ng/ul 95

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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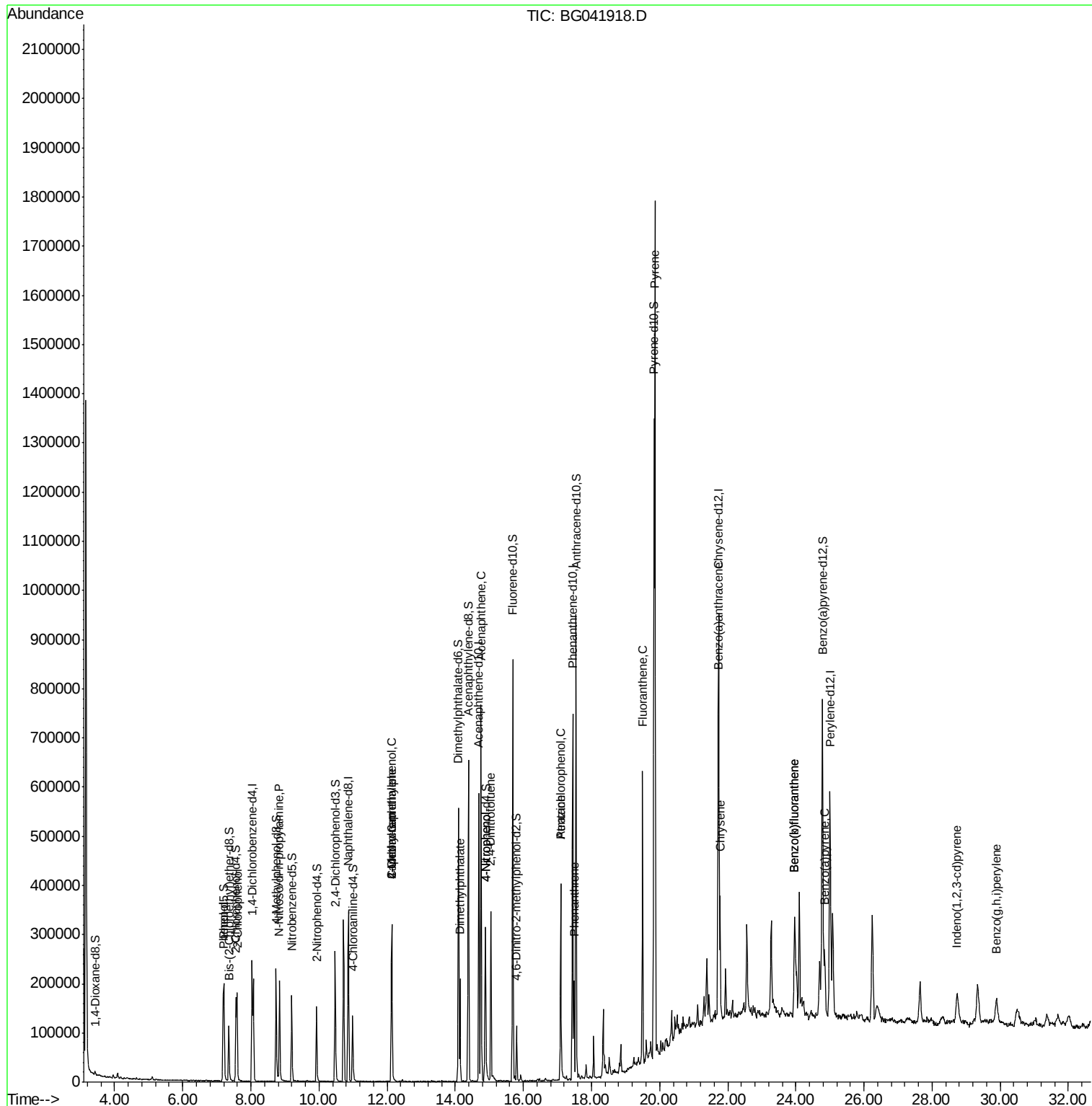
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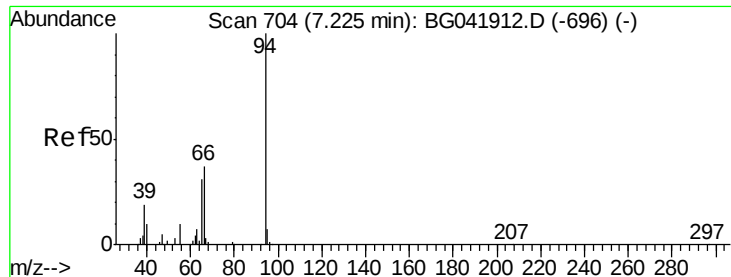
Data File : BG041918.D

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Acq On       :    3 Aug 2019   21:06
Operator    : HP/JU
Sample      : K3922-02MS
Misc        :
ALS Vial     : 19      Sample Multip
```

Instrument :
BNA_G
ClientSampleId :
A52F0MS

Quant Time: Aug 04 02:35:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 02:31:42 2019
Response via : Initial Calibration





#6

Phenol

Concen: 17.395 ng/ul

RT: 7.21 min Scan# 702

Delta R.T. -0.01 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

Instrument :

BNA_G

ClientSampleId :

A52F0MS

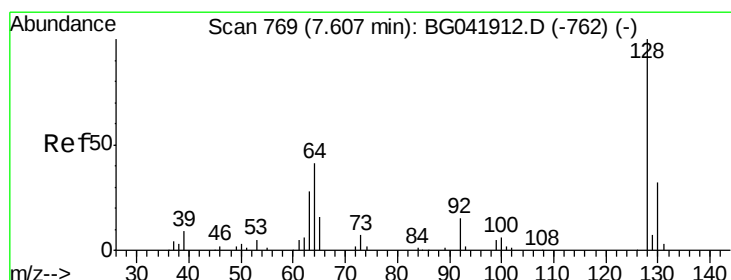
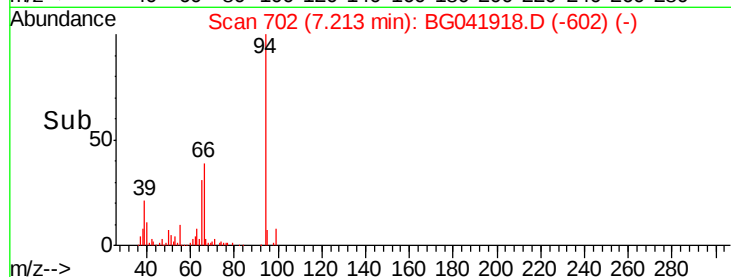
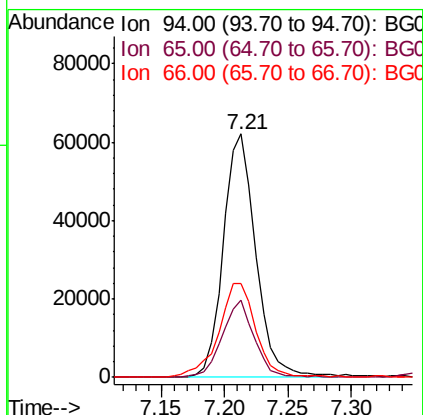
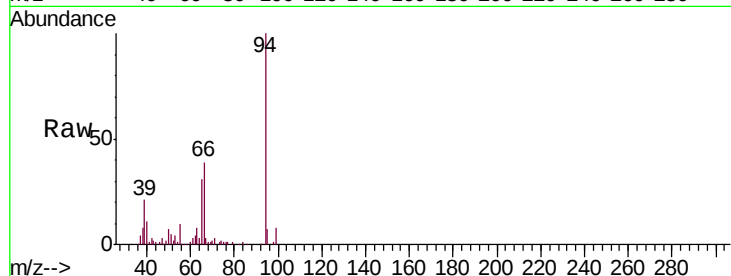
Tgt Ion: 94 Resp: 110071

Ion Ratio Lower Upper

94 100

65 31.5 25.8 38.6

66 38.6 31.8 47.8



#10

2-Chlorophenol

Concen: 16.224 ng/ul

RT: 7.59 min Scan# 767

Delta R.T. -0.01 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

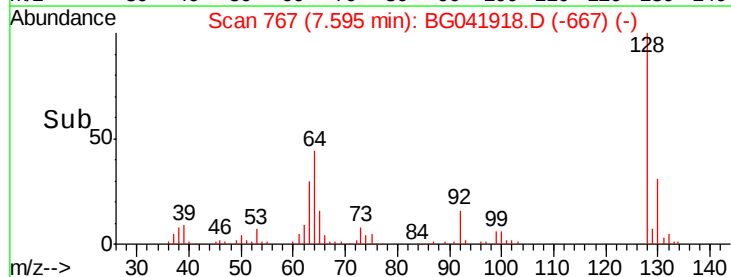
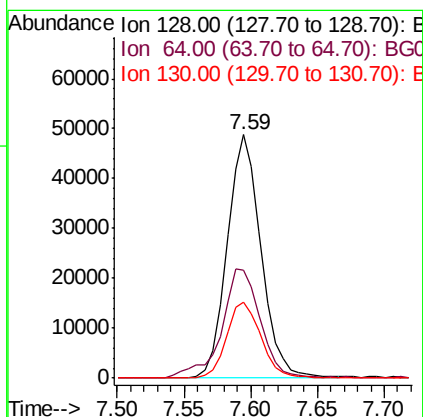
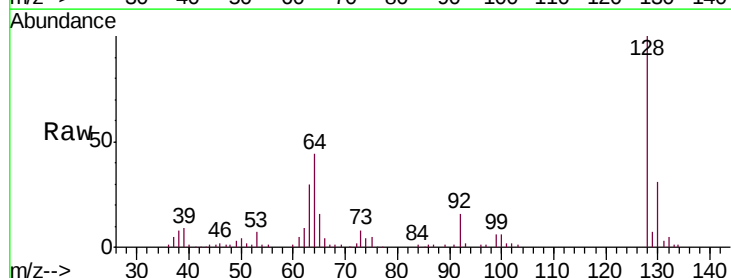
Tgt Ion: 128 Resp: 86192

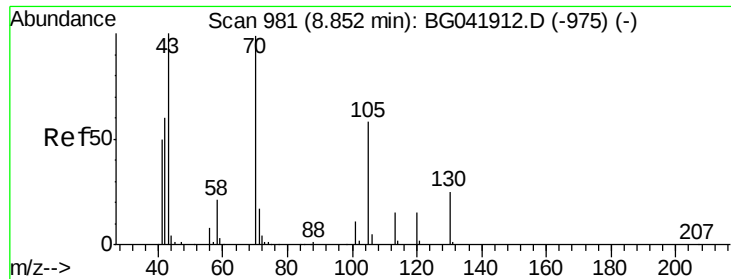
Ion Ratio Lower Upper

128 100

64 44.1 35.5 53.3

130 31.4 26.2 39.4





#15

N-Nitroso-di-n-propylamine

Concen: 19.256 ng/ul

RT: 8.85 min Scan# 980

Delta R.T. -0.01 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

Instrument :

BNA_G

ClientSampleId :

A52F0MS

Tgt Ion: 70 Resp: 80517

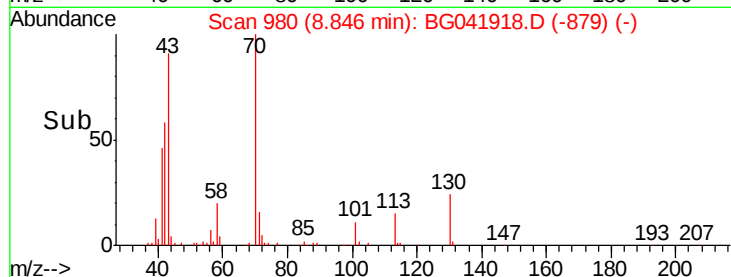
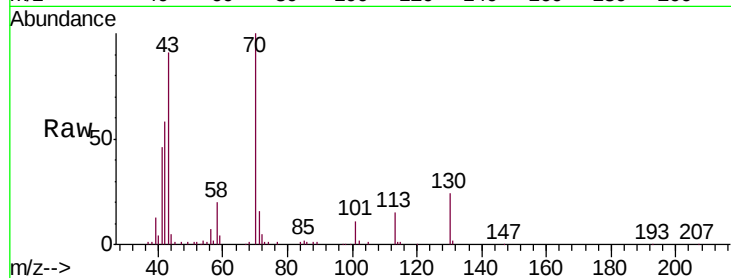
Ion Ratio Lower Upper

70 100

42 58.2 46.4 69.6

101 11.0 9.7 14.5

130 24.4 21.1 31.7

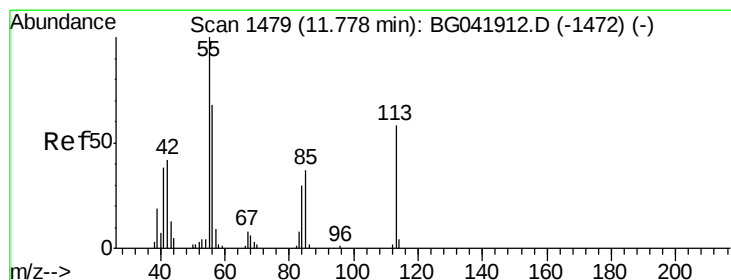
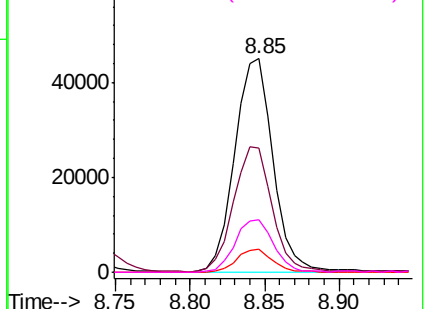


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#32

Caprolactam

Concen: 2.070 ng/ul

RT: 12.13 min Scan# 1539

Delta R.T. 0.35 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

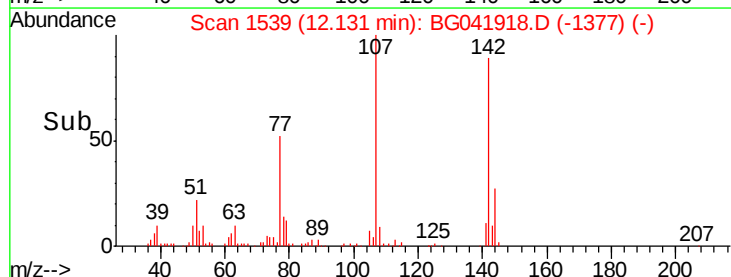
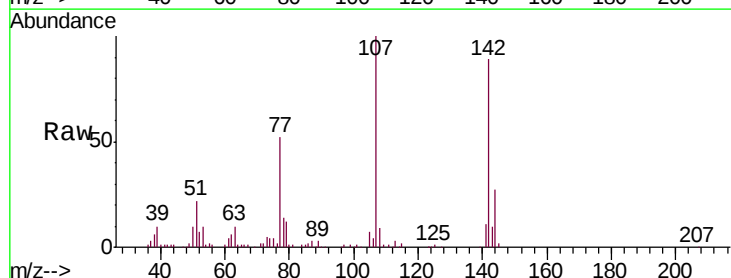
Tgt Ion: 113 Resp: 3848

Ion Ratio Lower Upper

113 100

55 66.2 142.4 213.6#

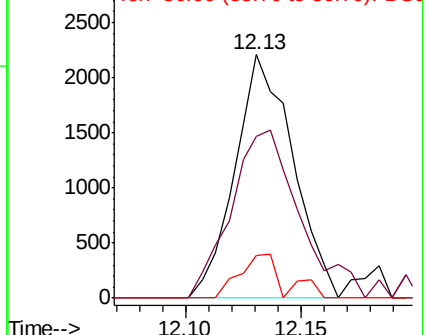
56 17.6 109.4 164.2#

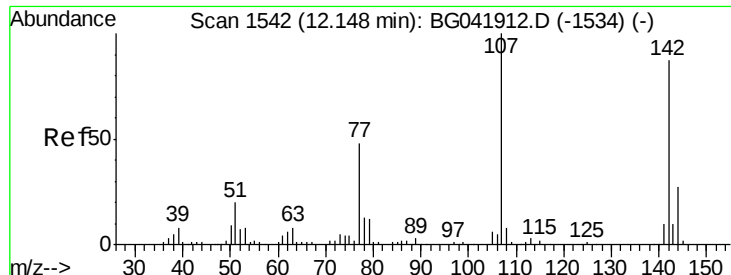


Abundance Ion 113.00 (112.70 to 113.70): BGC

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC

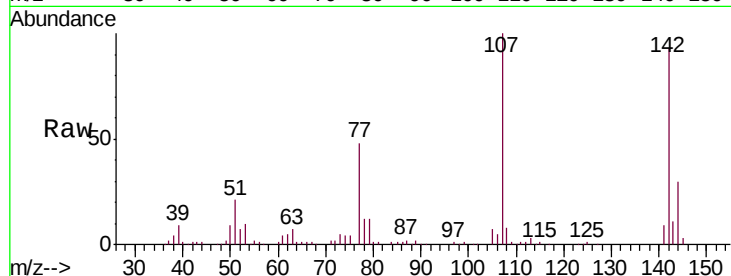




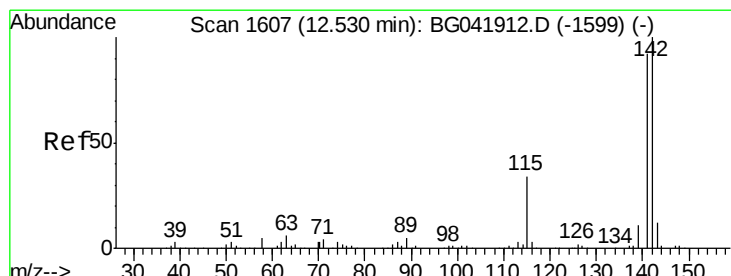
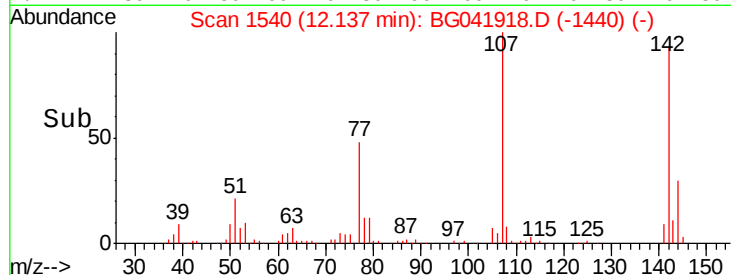
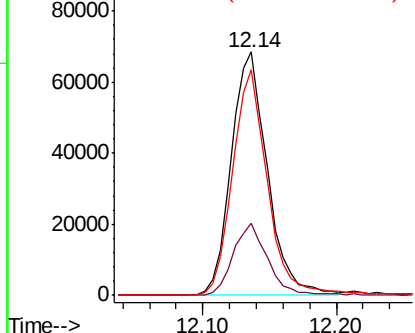
#33
 4-Chloro-3-methylphenol
 Concen: 22.886 ng/ul
 RT: 12.14 min Scan# 1540
 Delta R.T. -0.01 min
 Lab File: BG041918.D
 Acq: 3 Aug 2019 21:06

Instrument :
 BNA_G
 ClientSampleId :
 A52F0MS

Tgt Ion:107 Resp: 129590
 Ion Ratio Lower Upper
 107 100
 144 29.8 23.0 34.6
 142 92.8 71.0 106.6

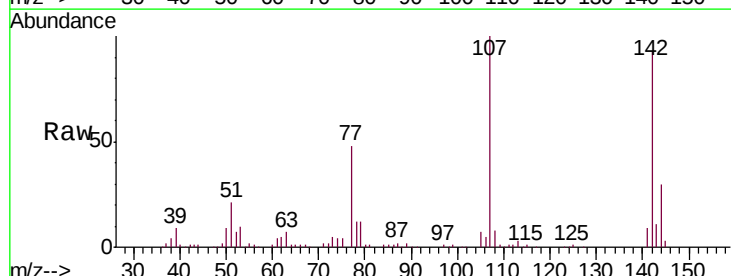


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

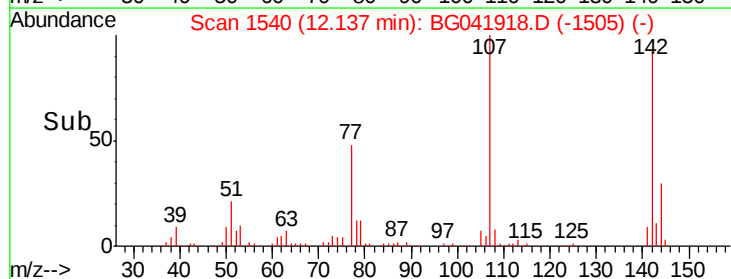
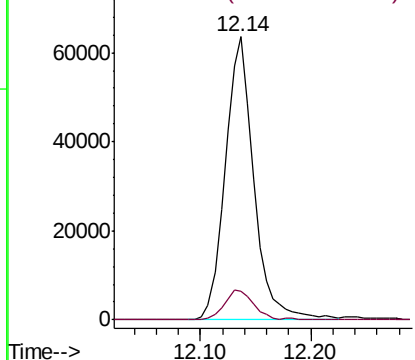


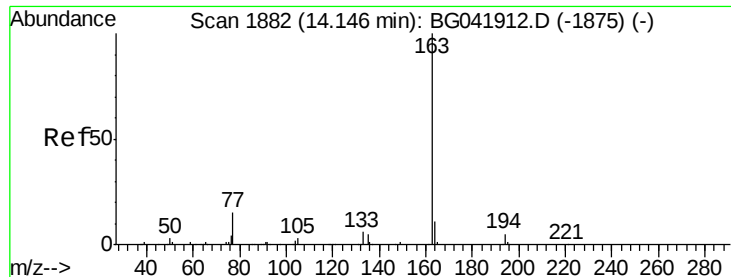
#34
 2-Methylnaphthalene
 Concen: 8.659 ng/ul
 RT: 12.14 min Scan# 1540
 Delta R.T. -0.39 min
 Lab File: BG041918.D
 Acq: 3 Aug 2019 21:06

Tgt Ion:142 Resp: 115572
 Ion Ratio Lower Upper
 142 100
 141 10.2 72.9 109.3#



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

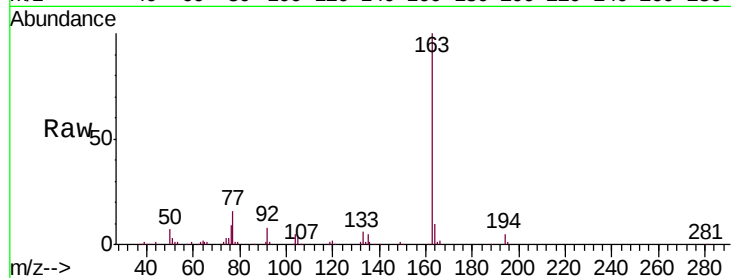




#44
Dimethylphthalate
Concen: 7.970 ng/ul
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG041918.D
Acq: 3 Aug 2019 21:06

Instrument :
BNA_G
ClientSampled :
A52F0MS

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	4.2	6.2
164	10.4	7.8	11.8

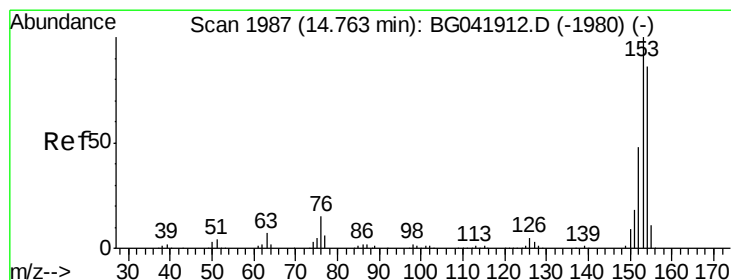
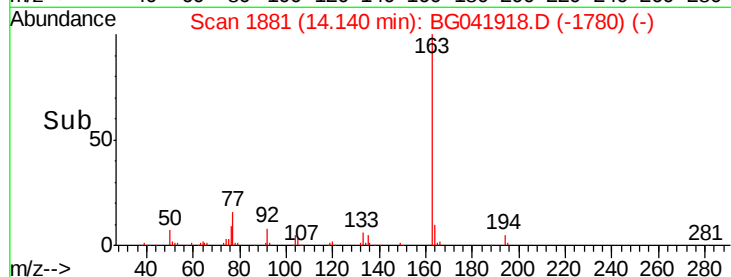
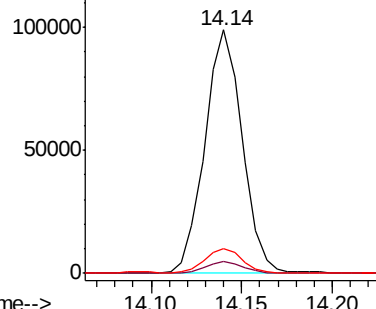


Abundance

Ion 163.00 (162.70 to 163.70): E

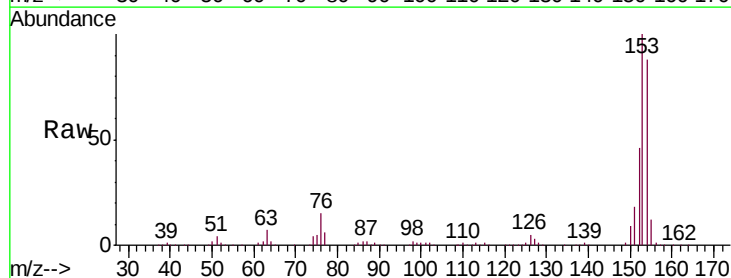
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49
Acenaphthene
Concen: 22.992 ng/ul
RT: 14.76 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BG041918.D
Acq: 3 Aug 2019 21:06

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.4	37.8	56.8
154	87.9	69.4	104.2

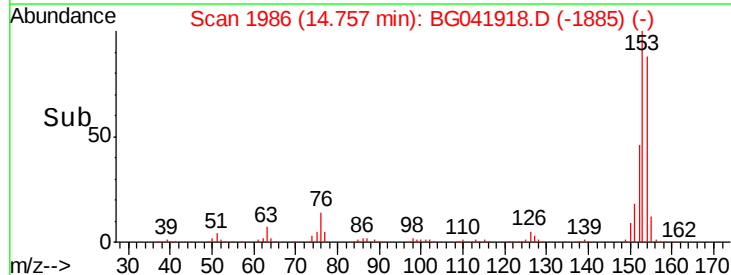
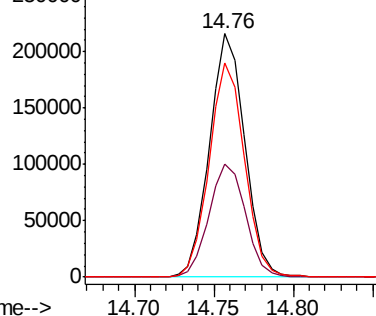


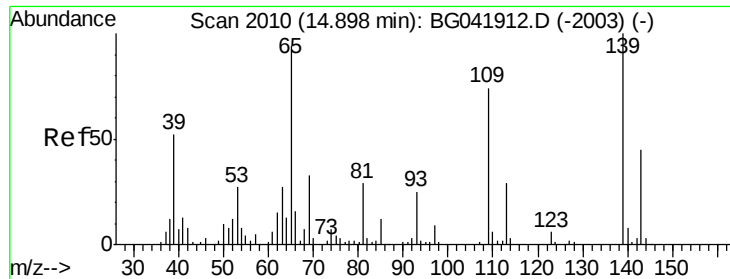
Abundance

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





#52

4-Nitrophenol

Concen: 20.695 ng/ul

RT: 14.89 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

Instrument :

BNA_G

ClientSampleId :

A52F0MS

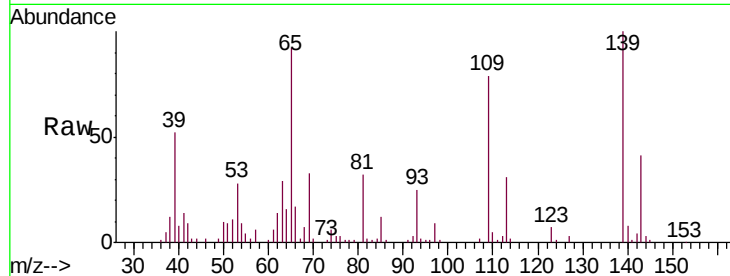
Tgt Ion:109 Resp: 46249

Ion Ratio Lower Upper

109 100

139 126.9 111.8 167.6

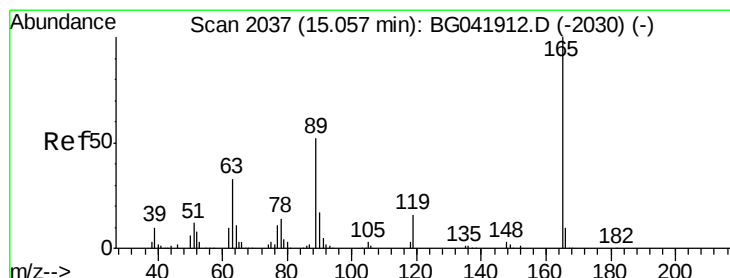
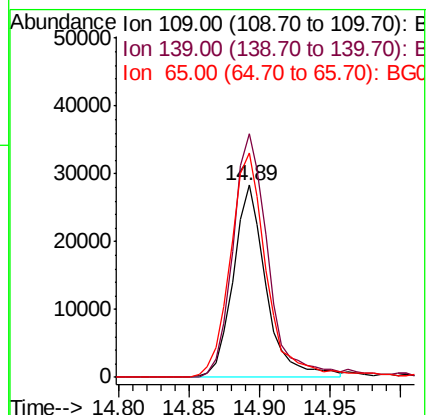
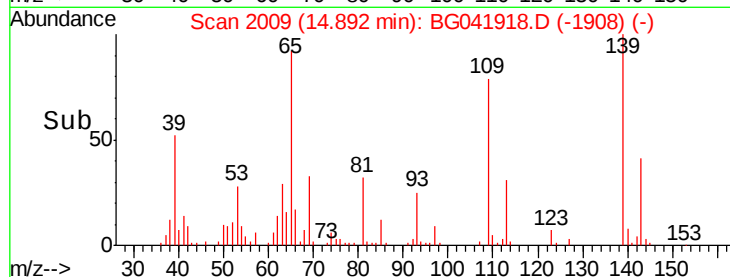
65 116.9 103.6 155.4



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC



#54

2,4-Dinitrotoluene

Concen: 22.704 ng/ul

RT: 15.05 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

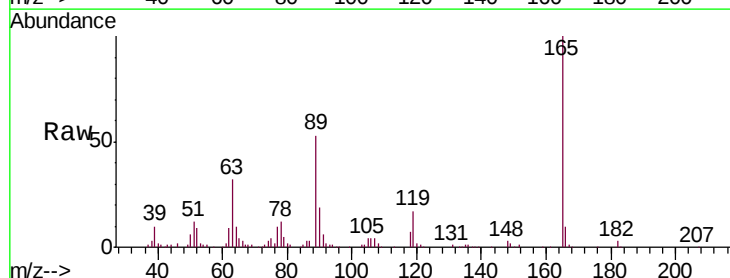
Tgt Ion:165 Resp: 128048

Ion Ratio Lower Upper

165 100

63 31.6 29.4 44.2

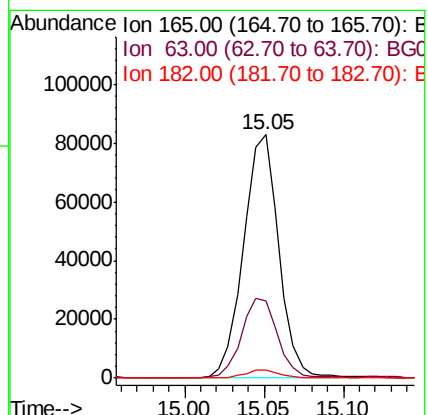
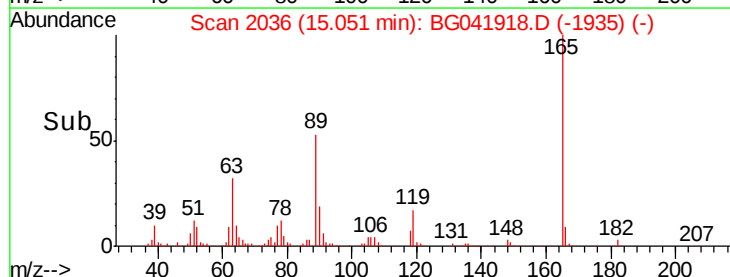
182 3.2 2.6 4.0

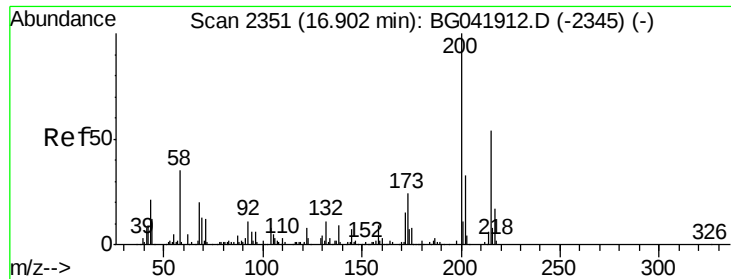


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 182.00 (181.70 to 182.70): E

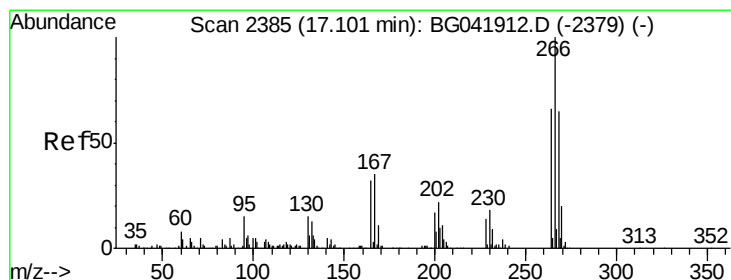
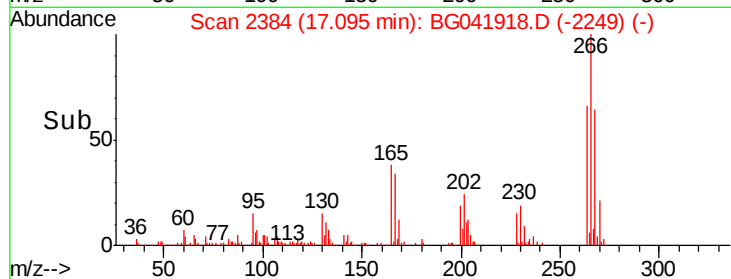
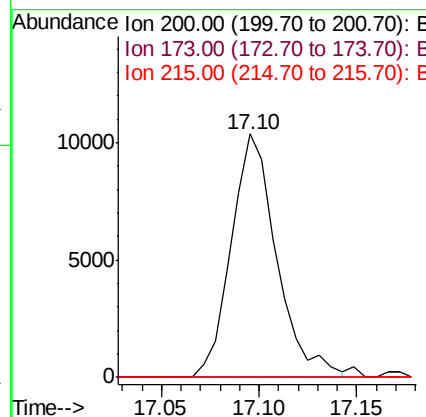
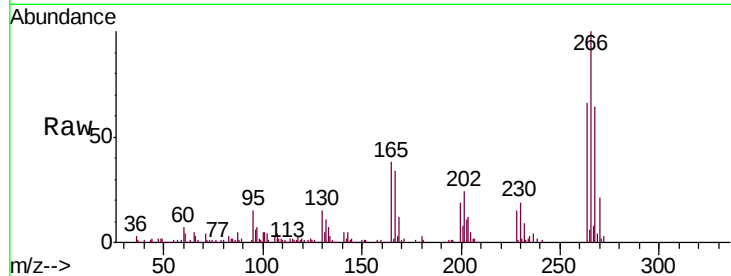




#67
Atrazine
Concen: 2.730 ng/ul
RT: 17.10 min Scan# 2384
Delta R.T. 0.19 min
Lab File: BG041918.D
Acq: 3 Aug 2019 21:06

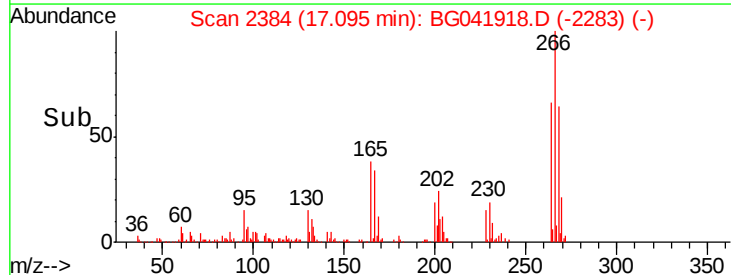
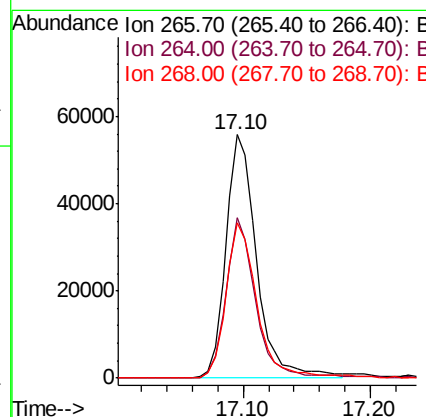
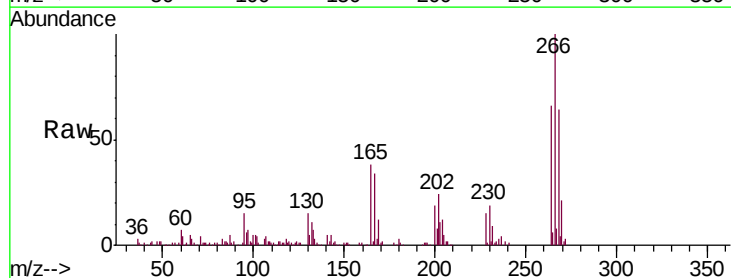
Instrument :
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A52F0MS

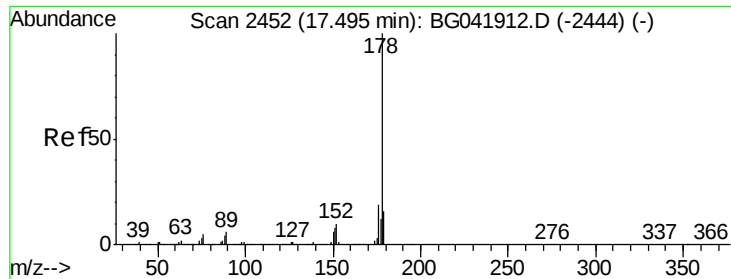
Tgt Ion	Ratio	Lower	Upper
200	100		
173	0.0	19.0	28.6#
215	0.0	43.0	64.6#



#68
Pentachlorophenol
Concen: 26.251 ng/ul
RT: 17.10 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BG041918.D
Acq: 3 Aug 2019 21:06

Tgt Ion	Ratio	Lower	Upper
266	100		
264	66.1	52.3	78.5
268	67.2	53.2	79.8





#69

Phenanthrene

Concen: 4.721 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

Instrument :

BNA_G

ClientSampleId :

A52F0MS

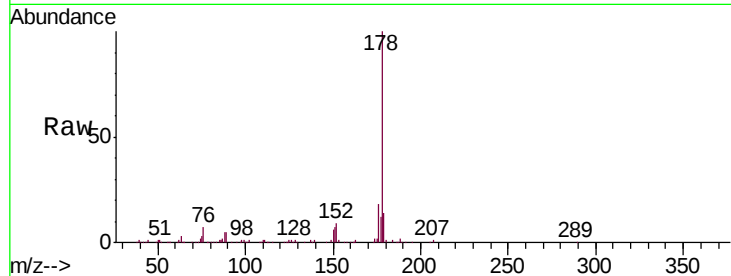
Tgt Ion:178 Resp: 127483

Ion Ratio Lower Upper

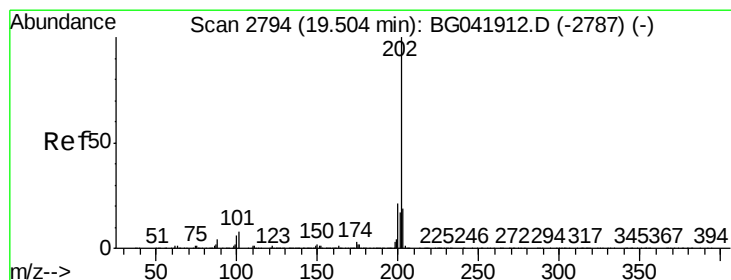
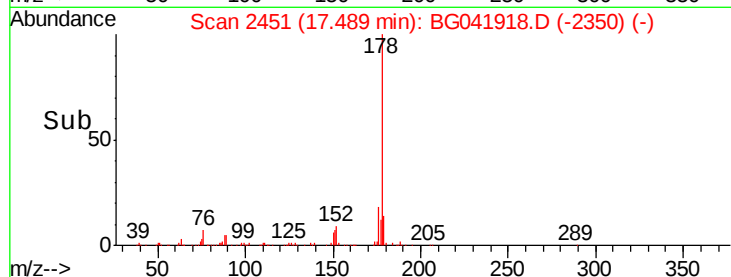
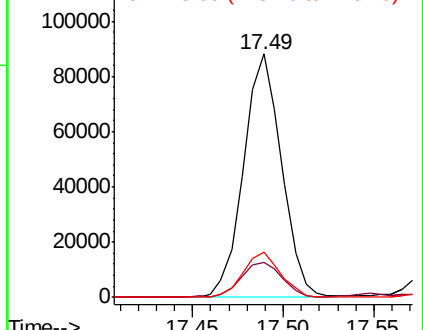
178 100

179 14.4 12.8 19.2

176 18.3 15.4 23.2



Abundance Ion 178.00 (177.70 to 178.70): E
120000
Ion 179.00 (178.70 to 179.70): E
100000
Ion 176.00 (175.70 to 176.70): E



#76

Fluoranthene

Concen: 12.676 ng/ul

RT: 19.50 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

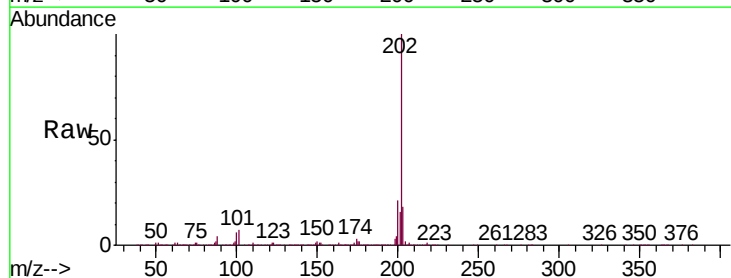
Tgt Ion:202 Resp: 395474

Ion Ratio Lower Upper

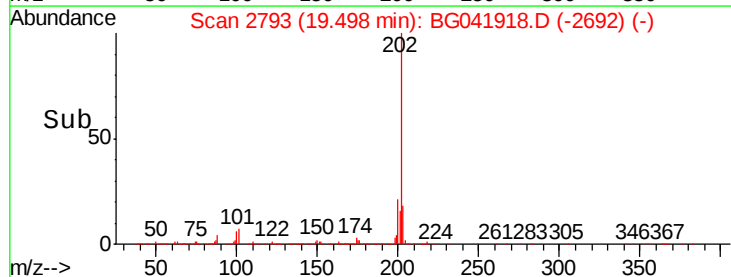
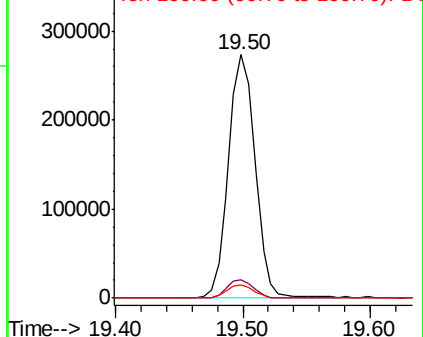
202 100

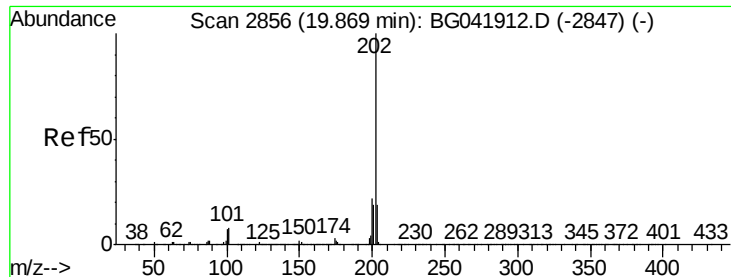
101 7.5 6.7 10.1

100 5.6 5.3 7.9



Abundance Ion 202.00 (201.70 to 202.70): E
300000
Ion 101.00 (100.70 to 101.70): E
200000
Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 34.703 ng/ul

RT: 19.86 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

Instrument :

BNA_G

ClientSampleId :

A52F0MS

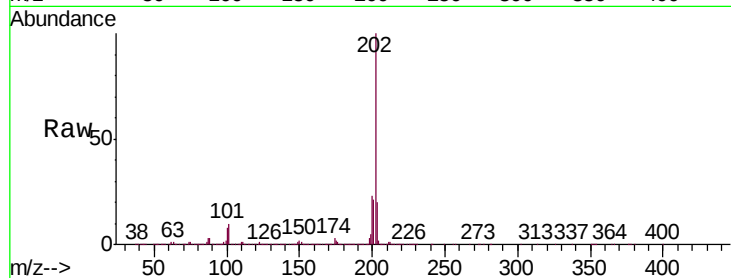
Tgt Ion:202 Resp: 1124908

Ion Ratio Lower Upper

202 100

101 9.5 7.6 11.4

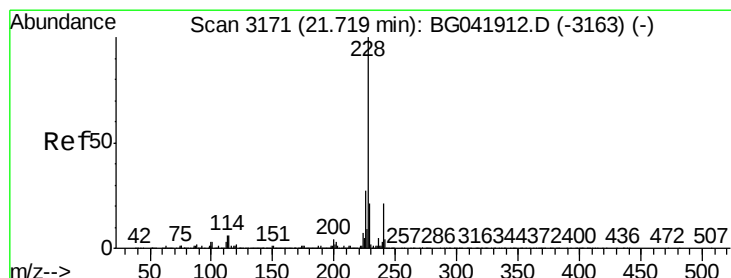
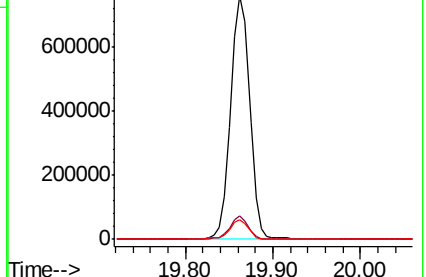
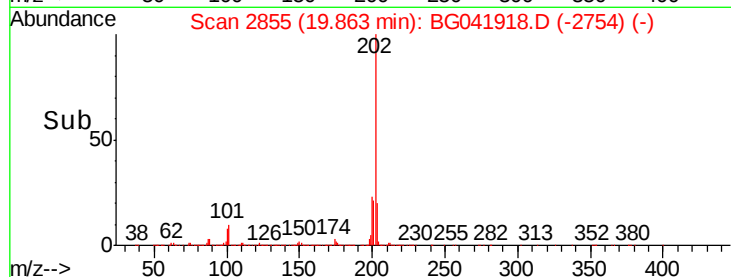
100 8.3 6.5 9.7



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): E



#82

Benzo(a)anthracene

Concen: 4.204 ng/ul

RT: 21.71 min Scan# 3170

Delta R.T. -0.01 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

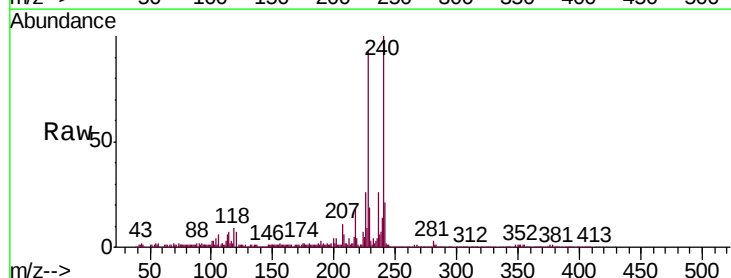
Tgt Ion:228 Resp: 140477

Ion Ratio Lower Upper

228 100

229 20.5 17.0 25.6

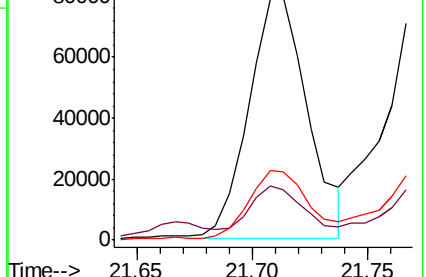
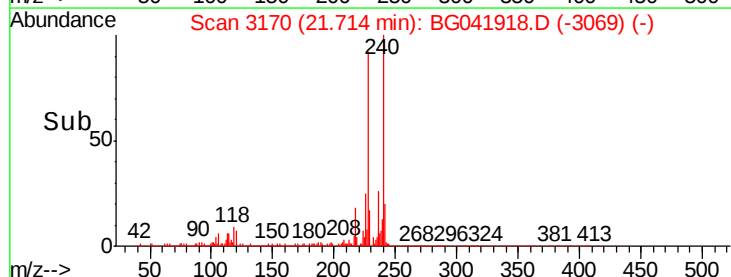
226 27.8 23.3 34.9

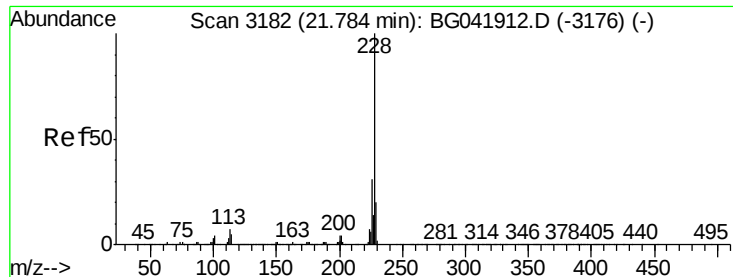


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 6.065 ng/ul

RT: 21.78 min Scan# 3181

Delta R.T. -0.01 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

Instrument :

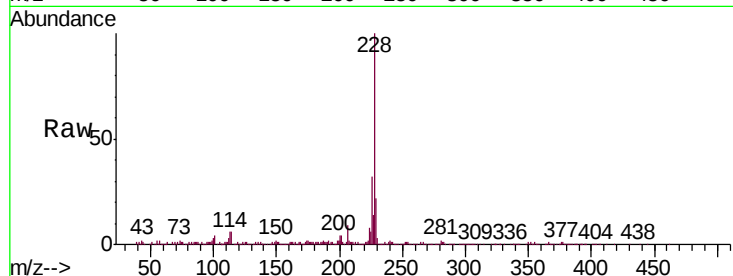
BNA_G

ClientSampleId :

A52F0MS

Tgt Ion:228 Resp: 189150

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.7	38.5
229	22.0	16.6	24.8

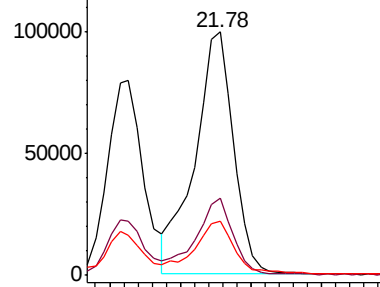


Abundance

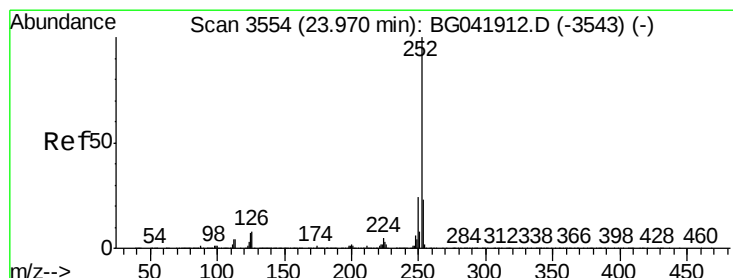
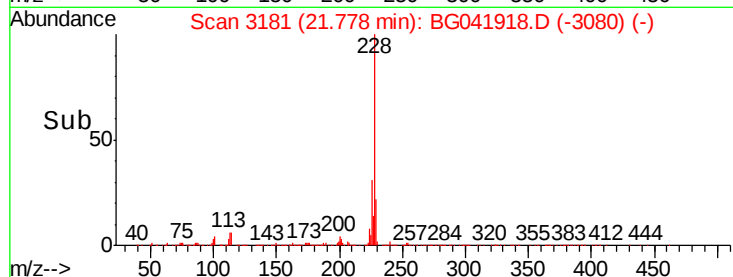
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 8.223 ng/ul

RT: 23.96 min Scan# 3553

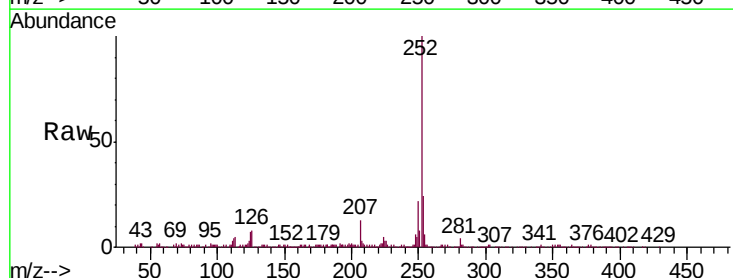
Delta R.T. -0.01 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

Tgt Ion:252 Resp: 281748

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.4	27.6
125	6.9	5.8	8.8

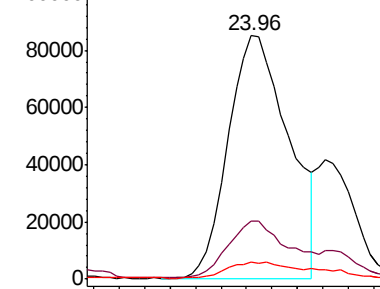


Abundance

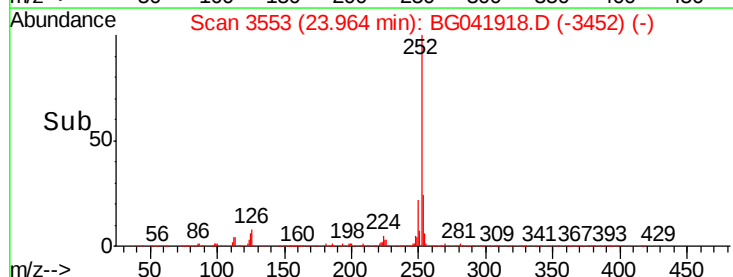
Ion 252.00 (251.70 to 252.70): E

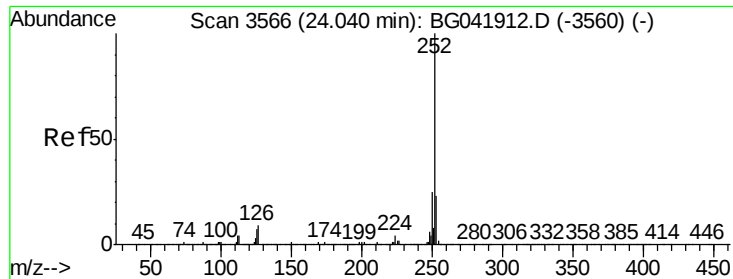
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#88

Benzo(k)fluoranthene

Concen: 8.553 ng/u1

RT: 23.96 min Scan# 3553

Delta R.T. -0.08 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

Instrument :

BNA_G

ClientSampleId :

A52F0MS

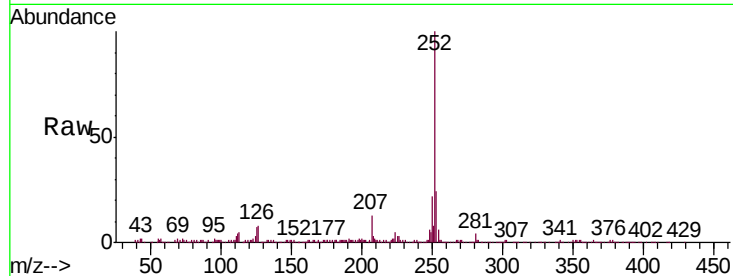
Tgt Ion:252 Resp: 281748

Ion Ratio Lower Upper

252 100

253 24.0 18.3 27.5

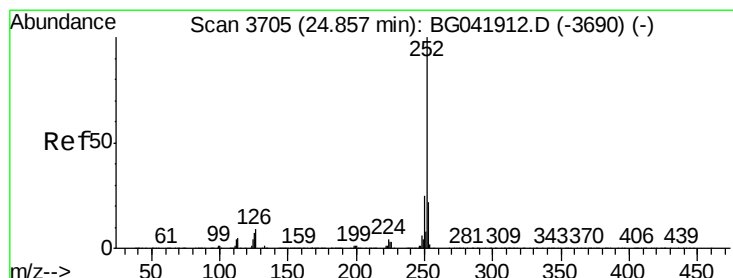
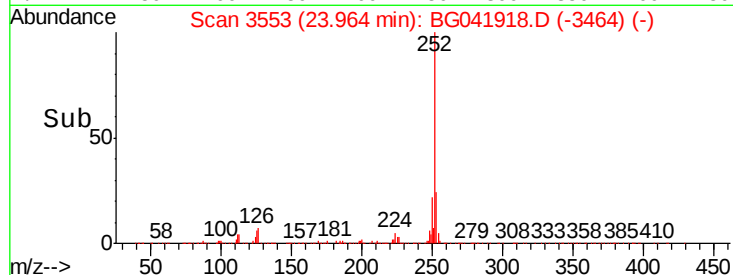
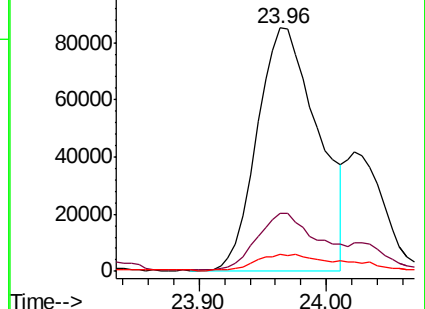
125 6.9 5.5 8.3



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



#90

Benzo(a)pyrene

Concen: 5.071 ng/u1

RT: 24.85 min Scan# 3704

Delta R.T. -0.01 min

Lab File: BG041918.D

Acq: 3 Aug 2019 21:06

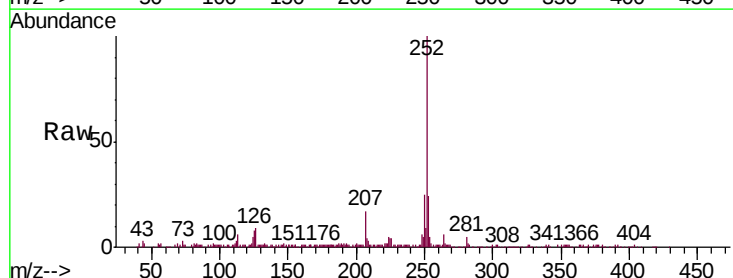
Tgt Ion:252 Resp: 165548

Ion Ratio Lower Upper

252 100

253 23.5 18.3 27.5

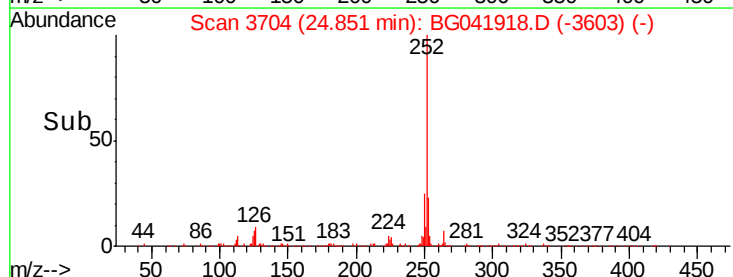
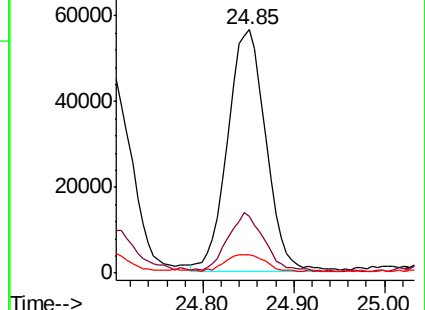
125 7.7 6.5 9.7

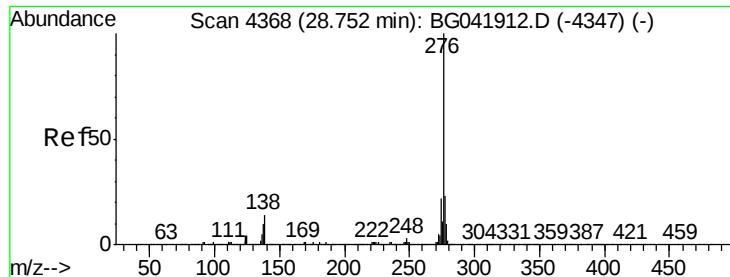


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



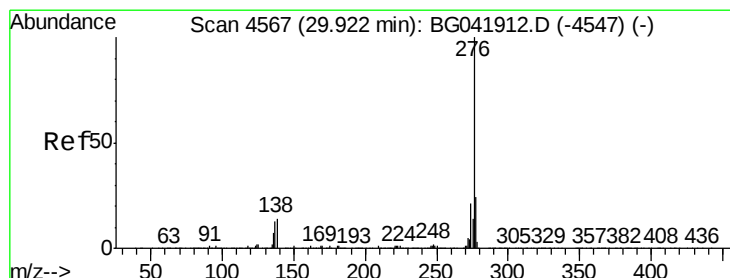
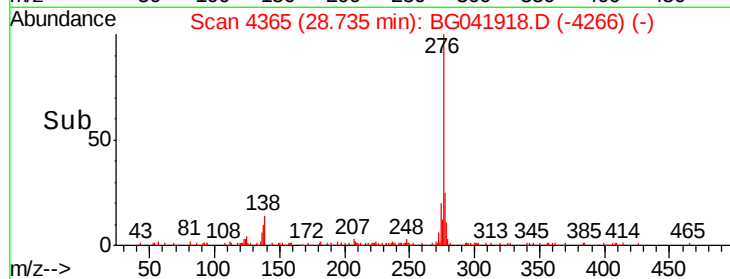
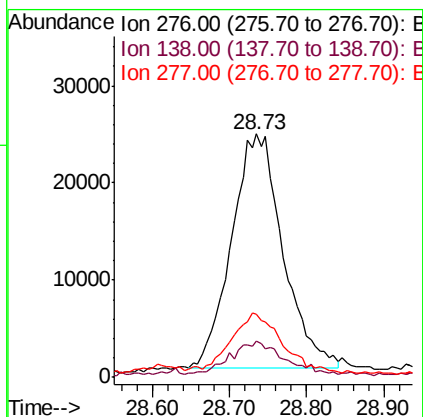
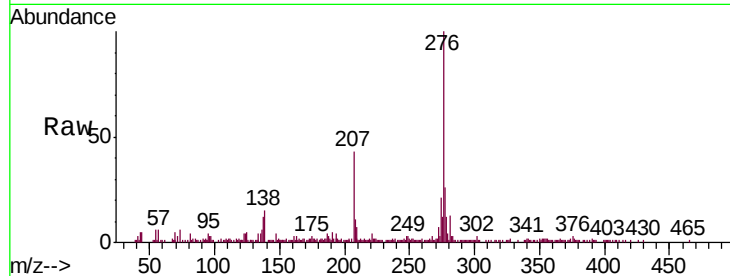


#91

Indeno(1,2,3-cd)pyrene
Concen: 2.952 ng/ul
RT: 28.73 min Scan# 4365
Delta R.T. -0.02 min
Lab File: BG041918.D
Acq: 3 Aug 2019 21:06

Instrument :
BNA_G
ClientSampleId :
A52F0MS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.8	12.0	18.0
277	26.2	19.2	28.8



#93

Benzo(g,h,i)perylene
Concen: 3.229 ng/ul
RT: 29.89 min Scan# 4562
Delta R.T. -0.03 min
Lab File: BG041918.D
Acq: 3 Aug 2019 21:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.8	12.6	18.8
277	20.7	19.2	28.8

