

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042198.D
 Acq On : 14 Aug 2019 6:46
 Operator : HP/JU
 Sample : K4304-04
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5N5

Quant Time: Aug 14 08:34:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 08:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	83764	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	350127	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	241651	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	493785	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	479749	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	581525	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	8600	4.49	ng/uL	0.00
5) Phenol-d5	7.18	99	205186	31.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	102140	27.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	186733	33.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	178823	32.40	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	93838	35.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	117909	38.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	216202	35.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	231433	33.76	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	626377	33.42	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	738042	34.47	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	89301	28.38	ng/ul	0.00
57) Fluorene-d10	15.68	176	560688	33.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	87886	27.74	ng/ul	0.00
70) Anthracene-d10	17.54	188	814441	34.38	ng/ul	0.00
78) Pyrene-d10	19.83	212	918900	34.32	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	1074559	35.37	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	7.55	77	3734	1.202	ng/ul	84
6) Phenol	7.21	94	7856	1.158	ng/ul#	87
28) Naphthalene	10.90	128	124099	6.933	ng/ul	99
30) 4-Chloroaniline	10.90	127	16847	2.445	ng/ul#	20
34) 2-Methylnaphthalene	12.51	142	38029	2.673	ng/ul	99
44) Dimethylphthalate	14.13	163	99974	5.372	ng/ul	99
47) Acenaphthylene	14.41	152	21721	1.005	ng/ul#	97
49) Acenaphthene	14.75	153	86961	5.756	ng/ul	99
53) Dibenzofuran	15.08	168	99761	4.424	ng/ul	97
58) Fluorene	15.73	166	111407	6.134	ng/ul	96
69) Phenanthrene	17.48	178	1228112	45.431	ng/ul	97
71) Anthracene	17.57	178	317928	11.596	ng/ul	100
74) Carbazole	17.84	167	135847	5.982	ng/ul	99
76) Fluoranthene	19.50	202	1607644	51.471	ng/ul	100
79) Pyrene	19.86	202	1343640	41.637	ng/ul	99
82) Benzo(a)anthracene	21.70	228	848410	25.506	ng/ul	99
84) Chrysene	21.77	228	782583	25.207	ng/ul	99
87) Benzo(b)fluoranthene	23.96	252	1091854	29.919	ng/ul	100
88) Benzo(k)fluoranthene	23.96	252	1091854	31.117	ng/ul	99
90) Benzo(a)pyrene	24.84	252	771171	22.176	ng/ul	100
91) Indeno(1,2,3-cd)pyrene	28.73	276	486428	11.992	ng/ul	98
92) Dibenz(a,h)anthracene	28.78	278	130284	3.938	ng/ul	98
93) Benzo(g,h,i)perylene	29.89	276	365621	10.796	ng/ul	99

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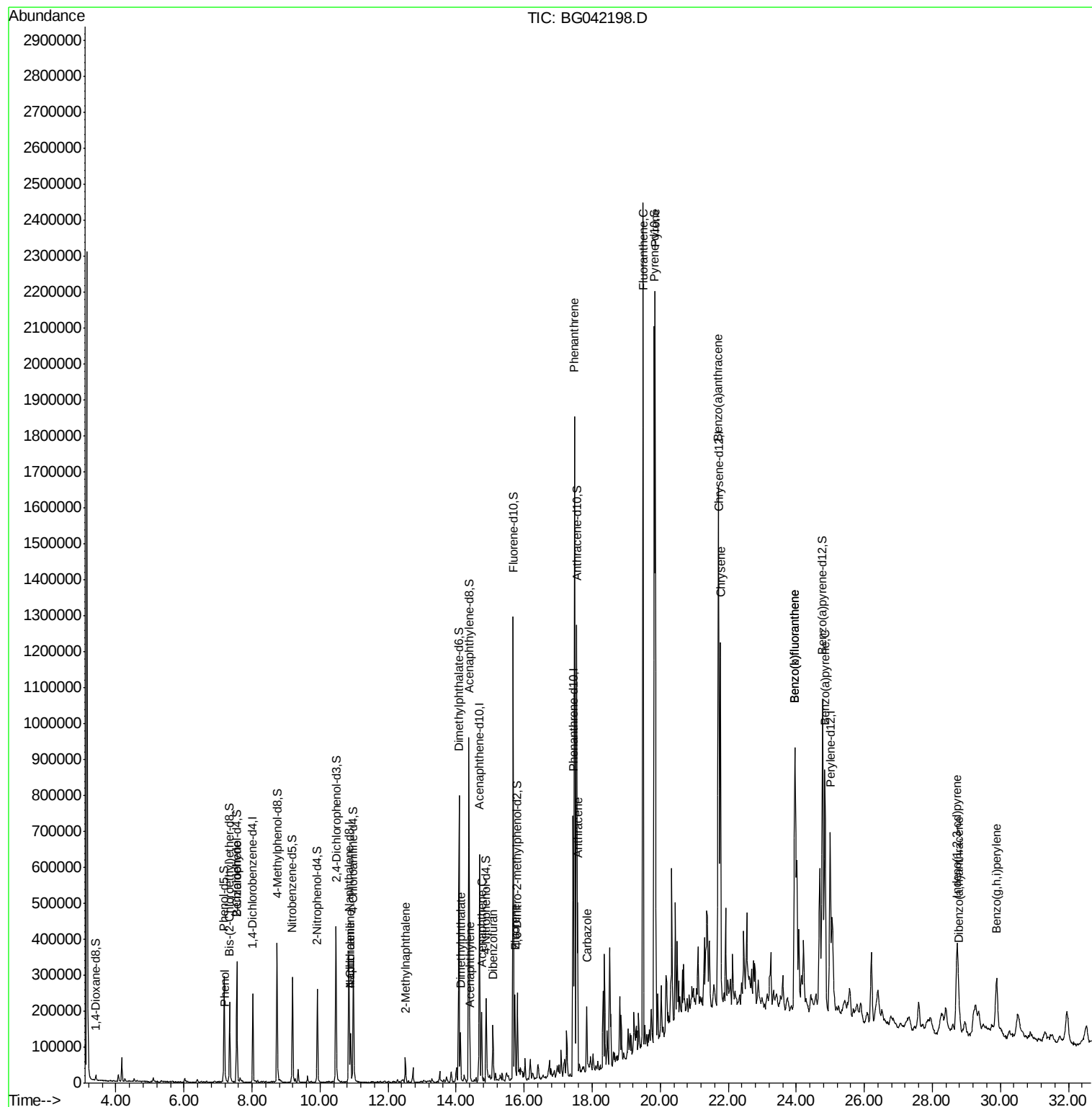
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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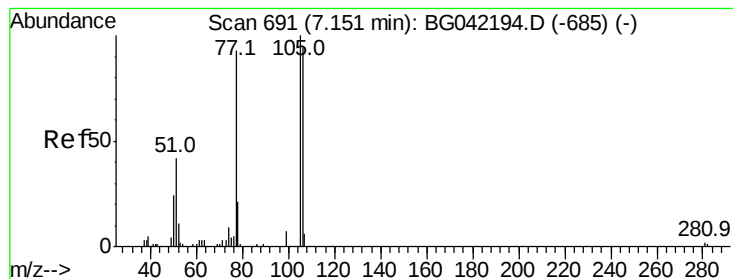
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 14 08:30:54 2019
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.202 ng/ul

RT: 7.55 min Scan# 760

Delta R.T. 0.40 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Instrument :

BNA_G

ClientSampled :

CB5N5

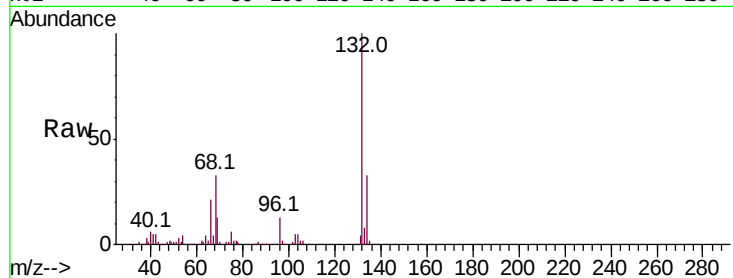
Tot Ion: 77 Resp: 3734

Ion Ratio Lower Upper

77 100

105 85.9 80.7 121.1

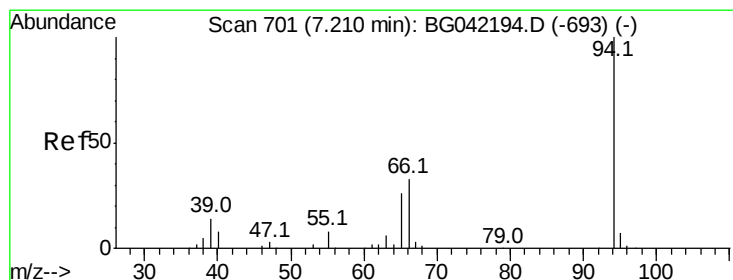
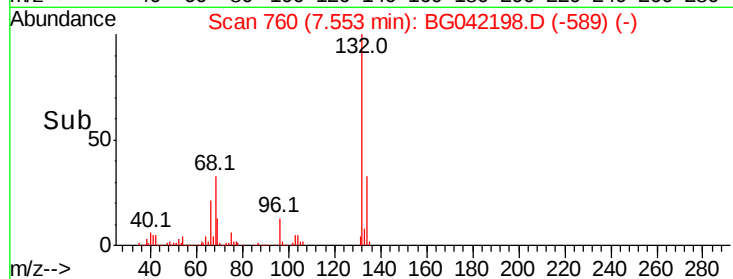
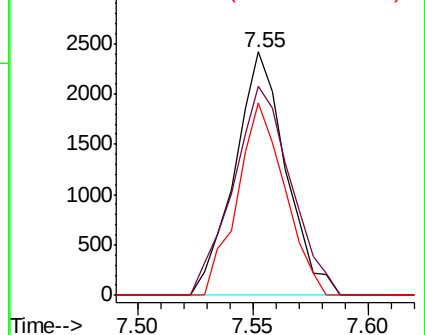
106 79.2 76.3 114.5



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#6

Phenol

Concen: 1.158 ng/ul

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

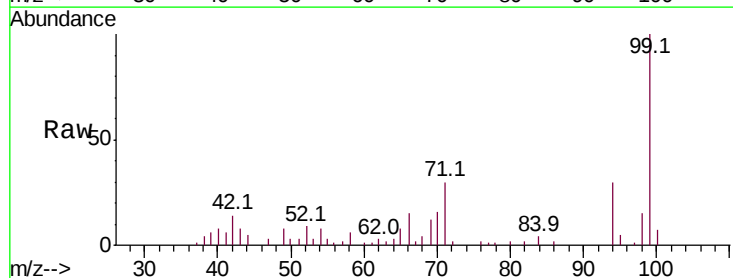
Tgt Ion: 94 Resp: 7856

Ion Ratio Lower Upper

94 100

65 27.7 25.8 38.6

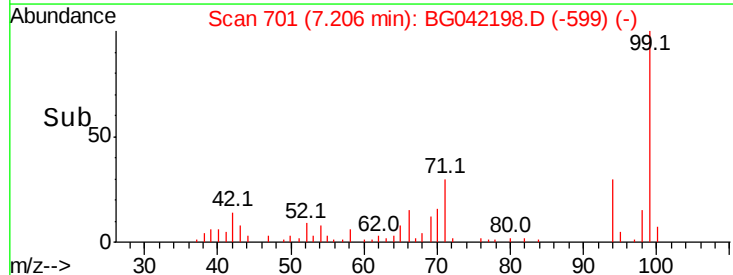
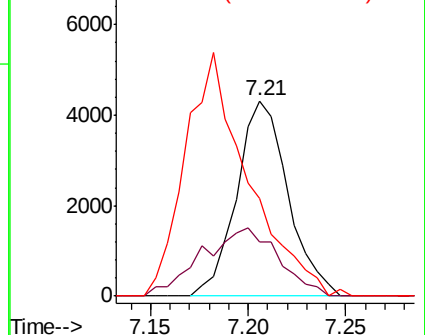
66 50.1 31.8 47.8#

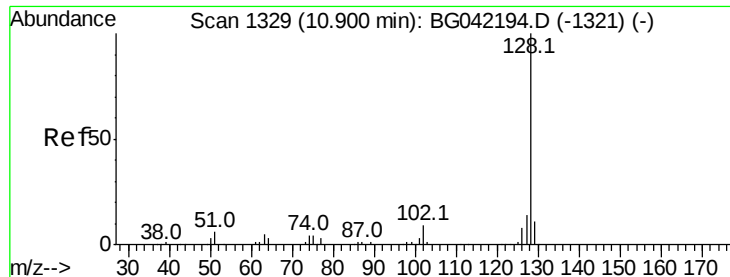


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#28

Naphthalene

Concen: 6.933 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Instrument :

BNA_G

ClientSampleId :

CB5N5

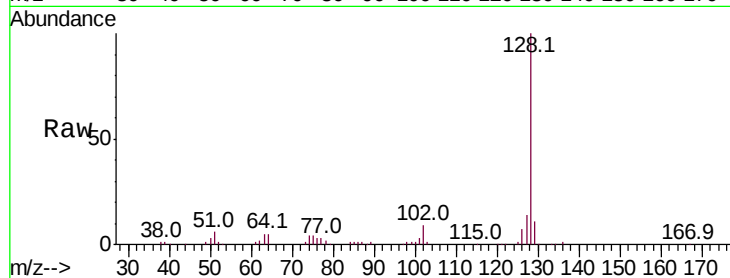
Tot Ion:128 Resp: 124099

Ion Ratio Lower Upper

128 100

129 11.0 9.5 14.3

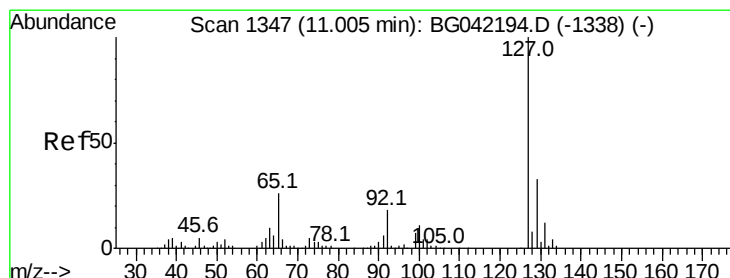
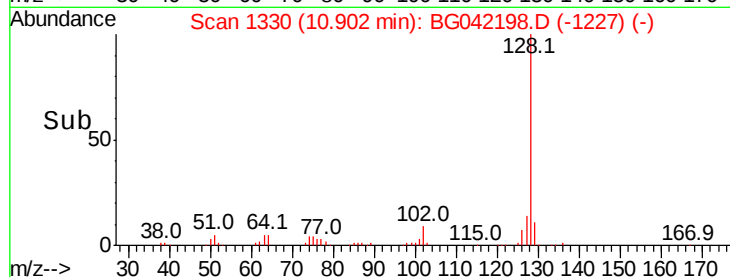
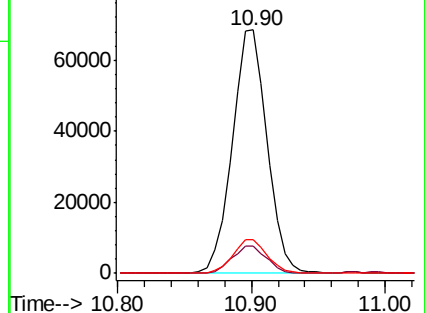
127 14.0 11.4 17.0



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



#30

4-Chloroaniline

Concen: 2.445 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. -0.10 min

Lab File: BG042198.D

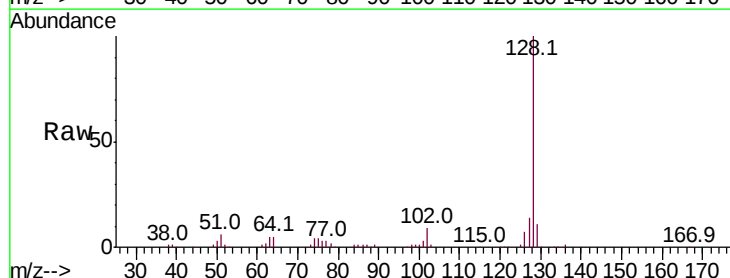
Acq: 14 Aug 2019 6:46

Tgt Ion:127 Resp: 16847

Ion Ratio Lower Upper

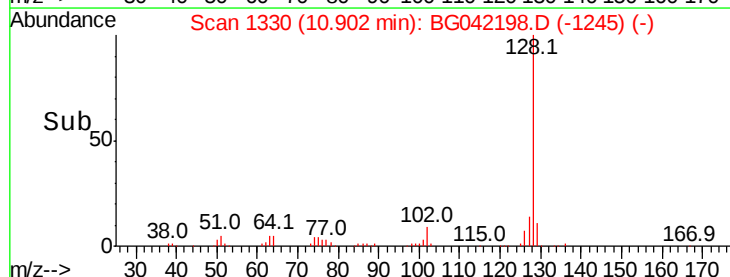
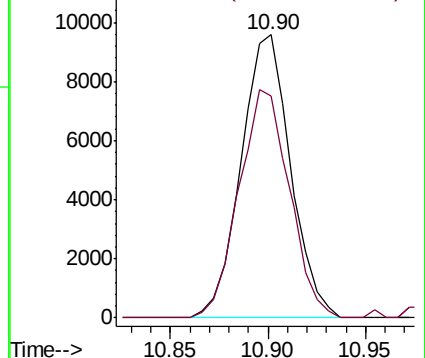
127 100

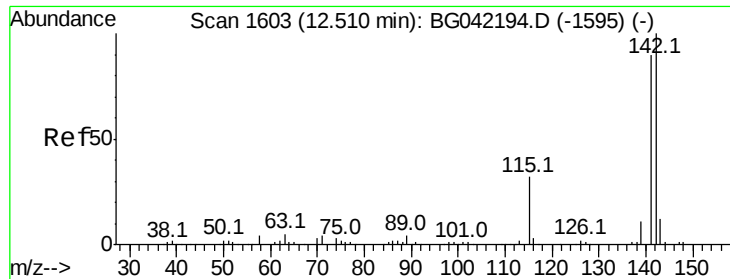
129 78.5 26.5 39.7#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

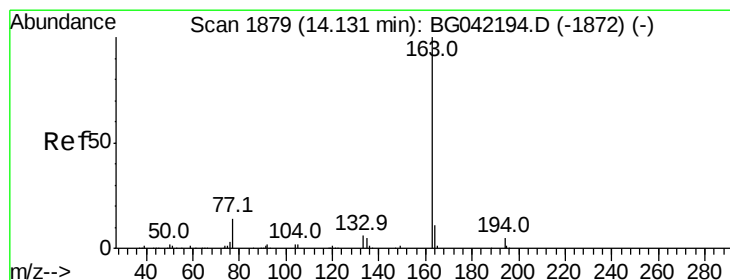
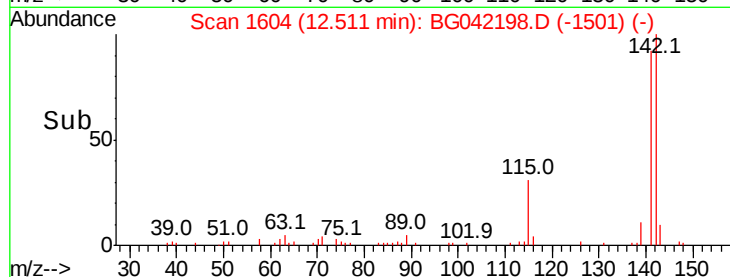
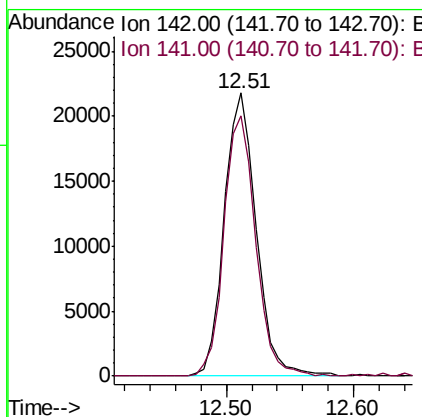
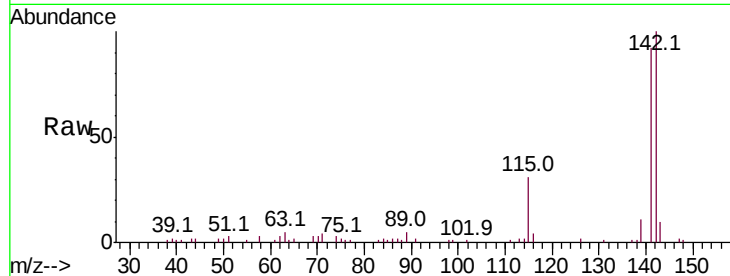




#34
 2-Methylnaphthalene
 Concen: 2.673 ng/ul
 RT: 12.51 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: BG042198.D
 Acq: 14 Aug 2019 6:46

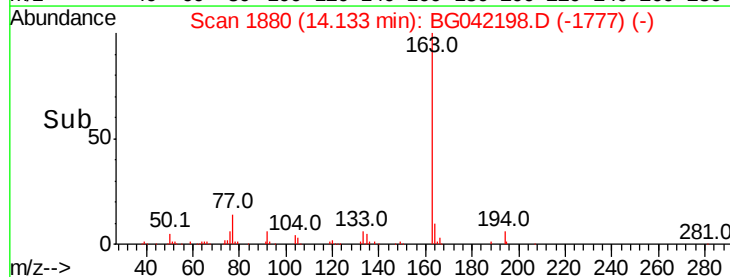
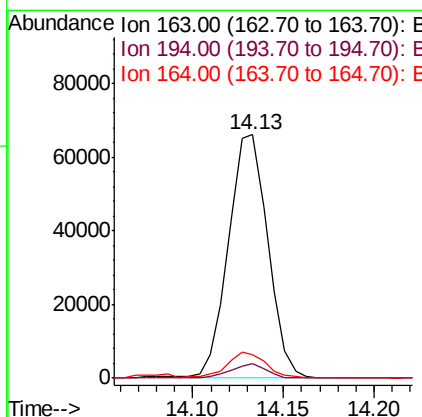
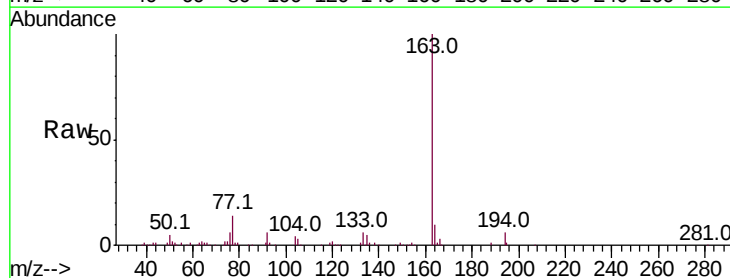
Instrument :
 BNA_G
 ClientSampleId :
 CB5N5

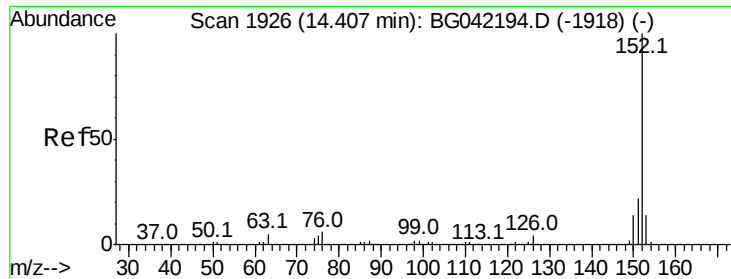
Tot Ion:142 Resp: 38029
 Ion Ratio Lower Upper
 142 100
 141 92.1 72.9 109.3



#44
 Dimethylphthalate
 Concen: 5.372 ng/ul
 RT: 14.13 min Scan# 1880
 Delta R.T. 0.00 min
 Lab File: BG042198.D
 Acq: 14 Aug 2019 6:46

Tgt Ion:163 Resp: 99974
 Ion Ratio Lower Upper
 163 100
 194 5.9 4.2 6.2
 164 9.5 7.8 11.8





#47

Acenaphthylene

Concen: 1.005 ng/ul

RT: 14.41 min Scan# 1927

Delta R.T. 0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Instrument :

BNA_G

ClientSampleId :

CB5N5

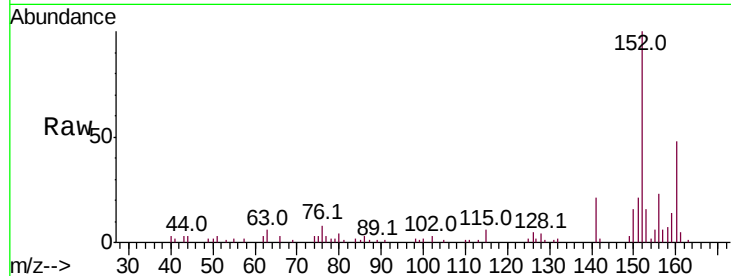
Tot Ion:152 Resp: 21721

Ion Ratio Lower Upper

152 100

151 21.0 16.8 25.2

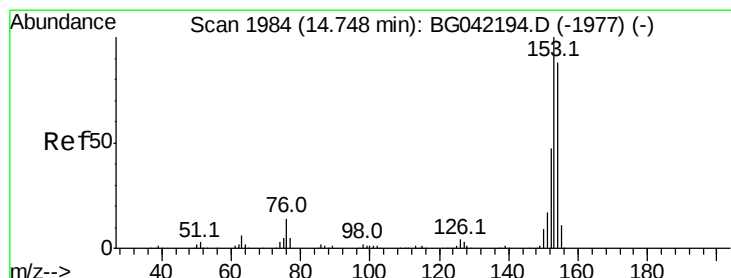
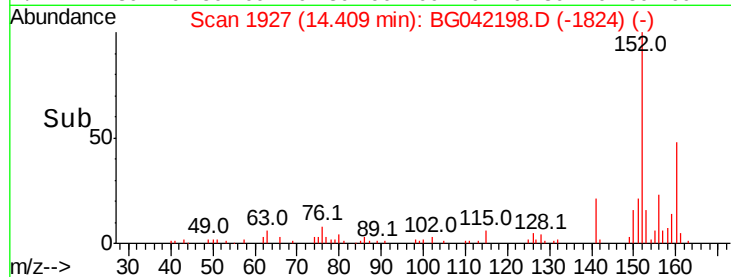
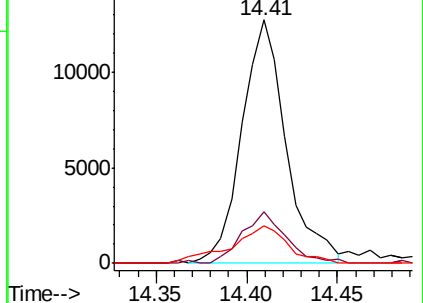
153 15.7 10.3 15.5#



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



#49

Acenaphthene

Concen: 5.756 ng/ul

RT: 14.75 min Scan# 1985

Delta R.T. 0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

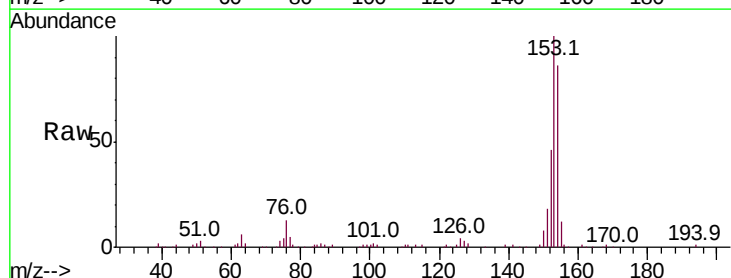
Tgt Ion:153 Resp: 86961

Ion Ratio Lower Upper

153 100

152 45.7 37.8 56.8

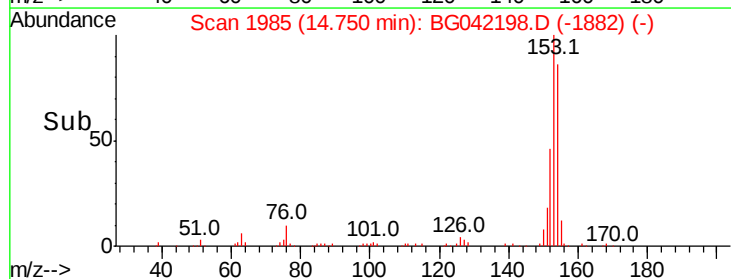
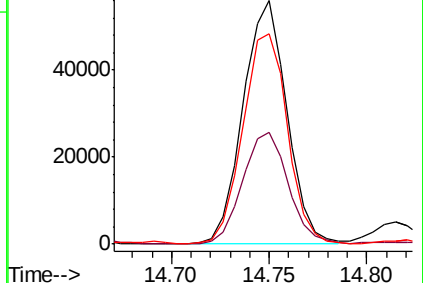
154 86.2 69.4 104.2

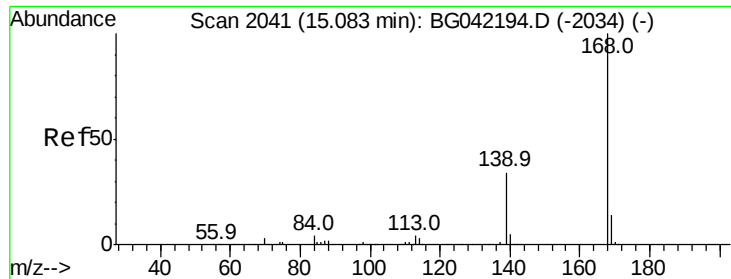


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 4.424 ng/ul

RT: 15.08 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Instrument :

BNA_G

ClientSampleId :

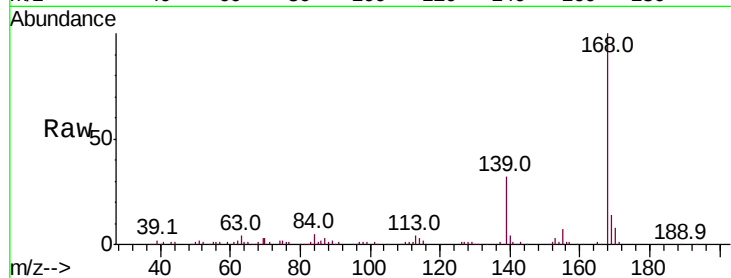
CB5N5

Tot Ion:168 Resp: 99761

Ion Ratio Lower Upper

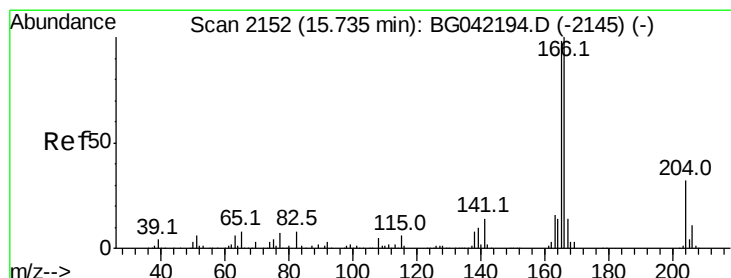
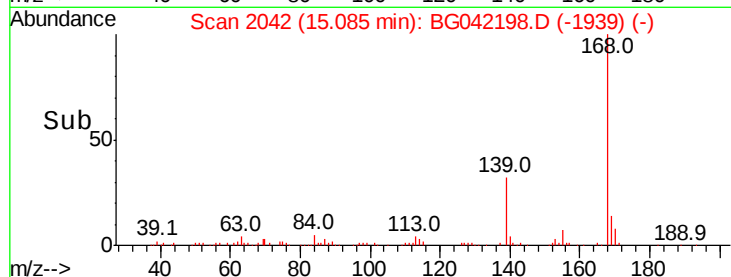
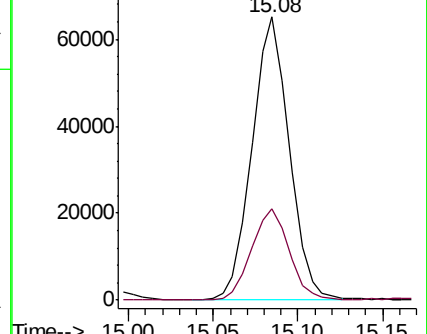
168 100

139 32.5 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 6.134 ng/ul

RT: 15.73 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

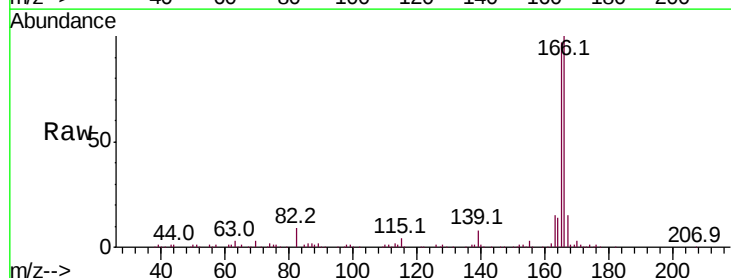
Tgt Ion:166 Resp: 111407

Ion Ratio Lower Upper

166 100

165 97.3 81.1 121.7

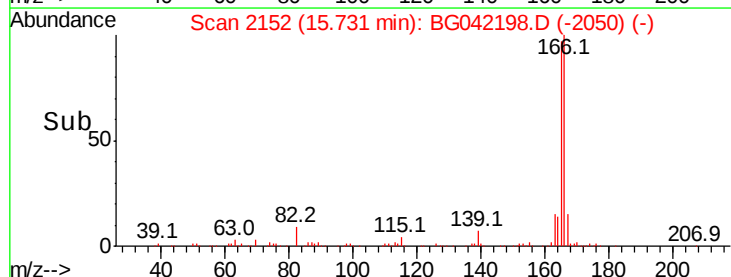
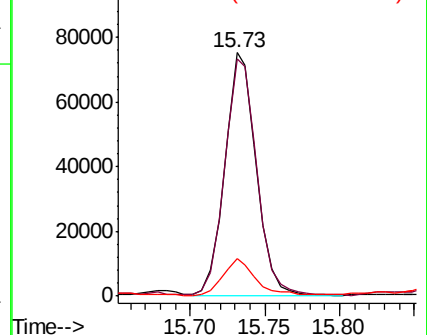
167 15.3 11.0 16.4

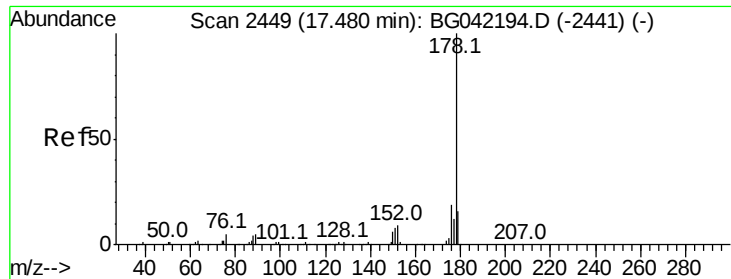


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 45.431 ng/ul

RT: 17.48 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Instrument :

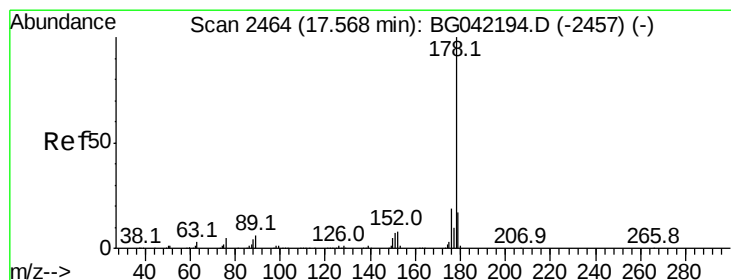
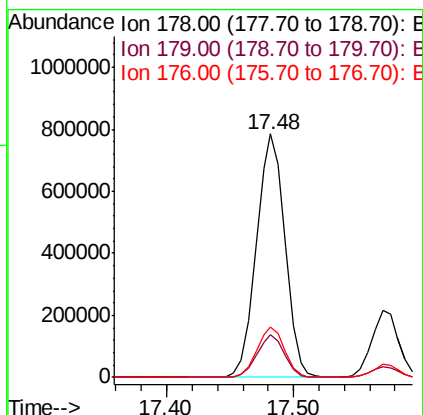
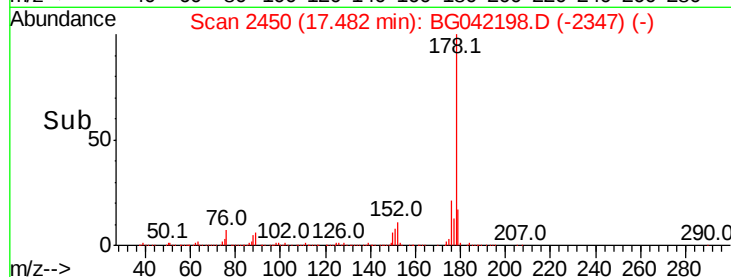
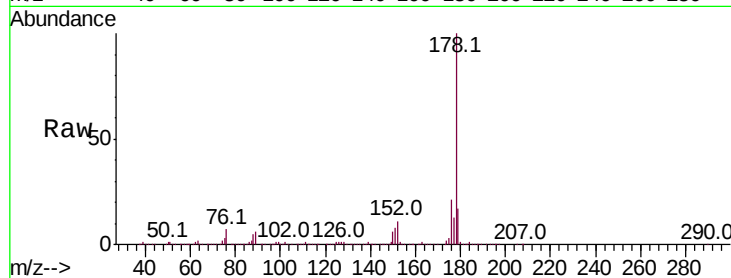
BNA_G

ClientSampleId :

CB5N5

Tot Ion:178 Resp: 1228112

Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.8	19.2
176	20.6	15.4	23.2



#71

Anthracene

Concen: 11.596 ng/ul

RT: 17.57 min Scan# 2465

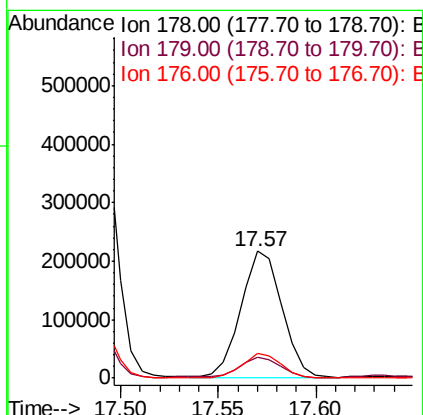
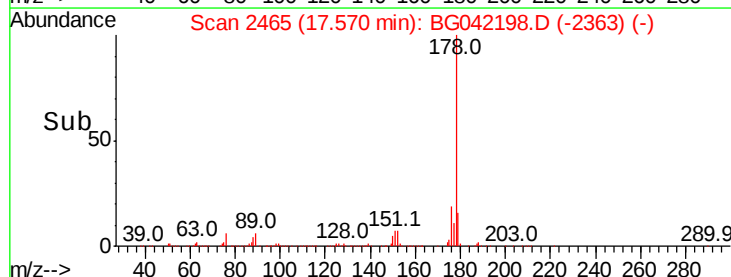
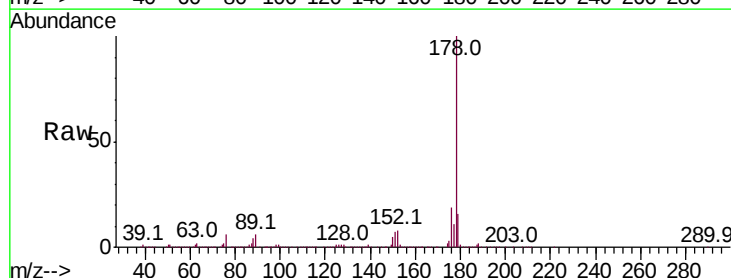
Delta R.T. -0.00 min

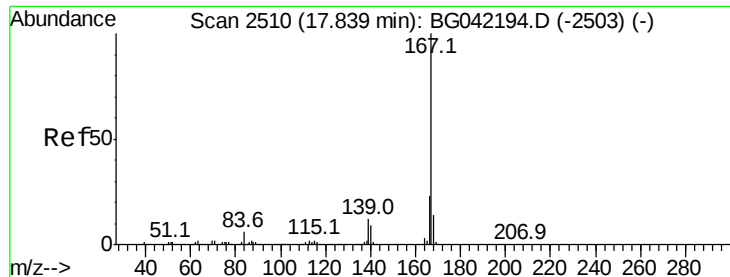
Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Tgt Ion:178 Resp: 317928

Ion	Ratio	Lower	Upper
178	100		
179	16.4	13.4	20.0
176	19.3	15.4	23.2





#74

Carbazole

Concen: 5.982 ng/ul

RT: 17.84 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Instrument :

BNA_G

ClientSampled :

CB5N5

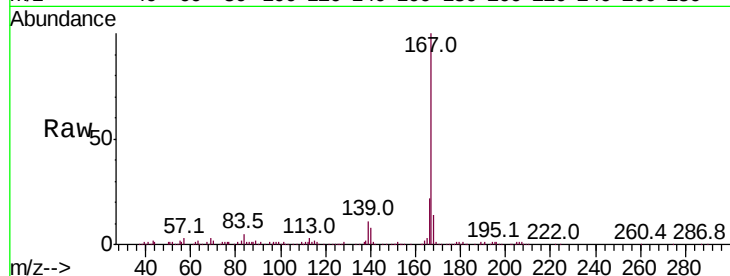
Tot Ion:167 Resp: 135847

Ion Ratio Lower Upper

167 100

166 22.2 18.2 27.4

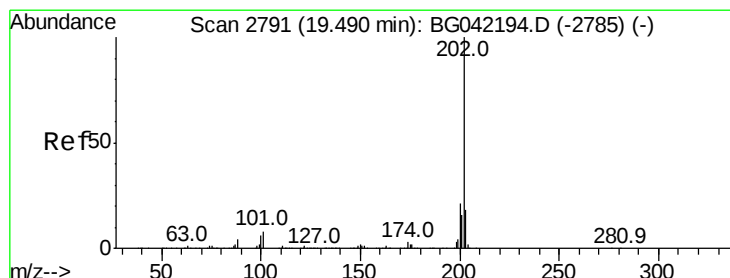
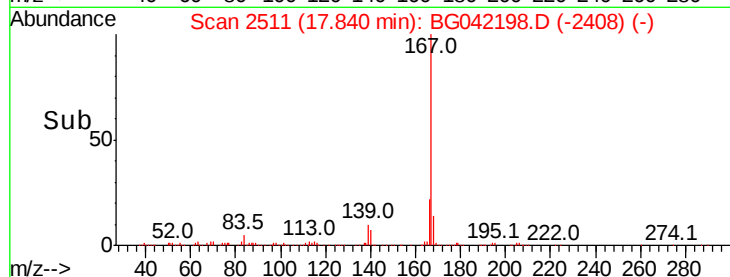
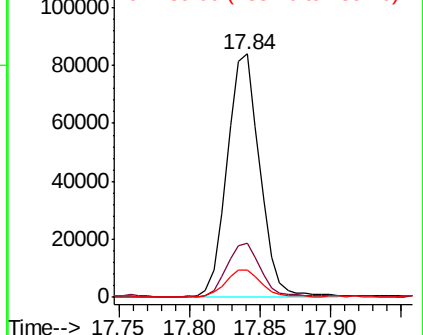
139 11.4 9.6 14.4



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



#76

Fluoranthene

Concen: 51.471 ng/ul

RT: 19.50 min Scan# 2793

Delta R.T. 0.01 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

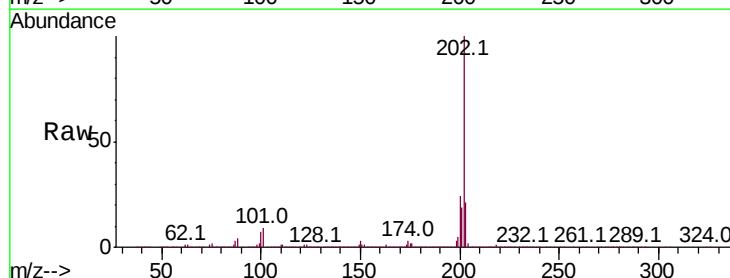
Tgt Ion:202 Resp: 1607644

Ion Ratio Lower Upper

202 100

101 8.5 6.7 10.1

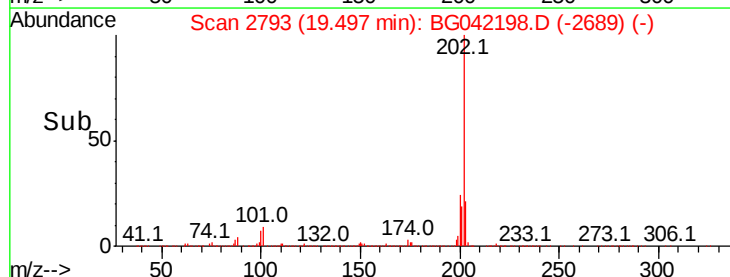
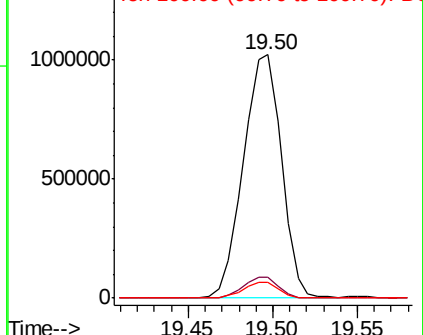
100 6.6 5.3 7.9

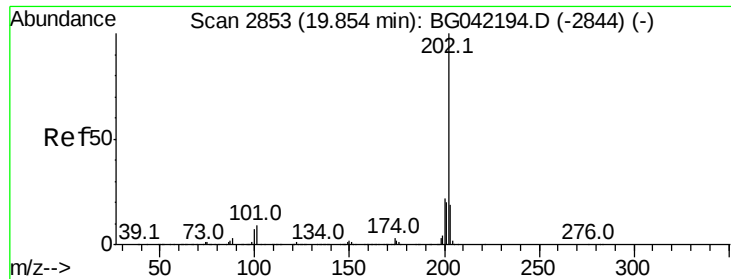


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

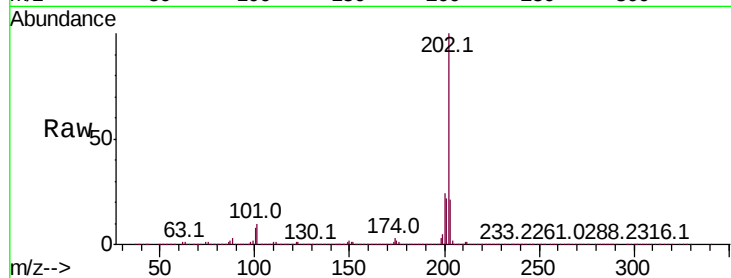




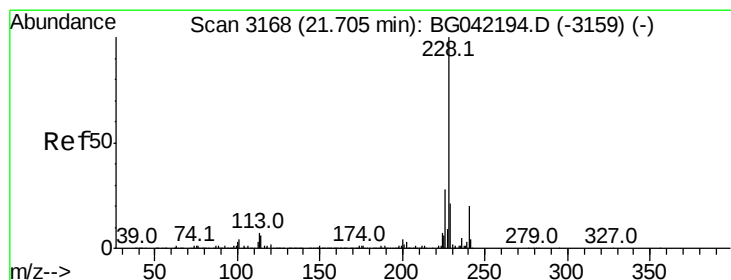
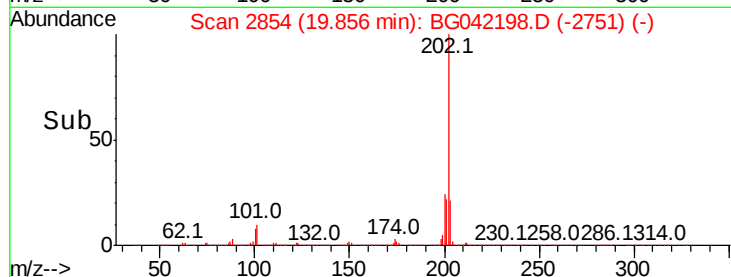
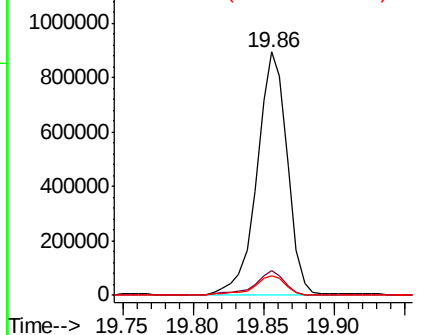
#79
Pvrene
Concen: 41.637 ng/ul
RT: 19.86 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BG042198.D
Acq: 14 Aug 2019 6:46

Instrument :
BNA_G
ClientSampleId :
CB5N5

Tot Ion:202 Resp: 1343640
Ion Ratio Lower Upper
202 100
101 10.2 7.6 11.4
100 8.3 6.5 9.7

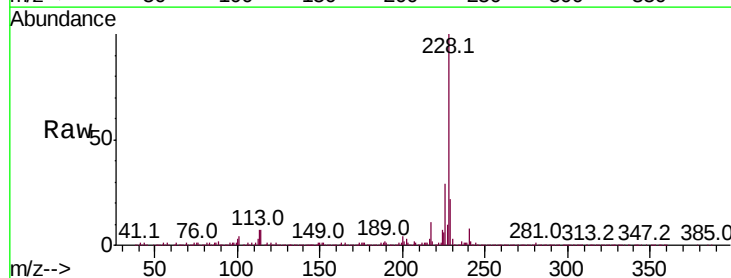


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

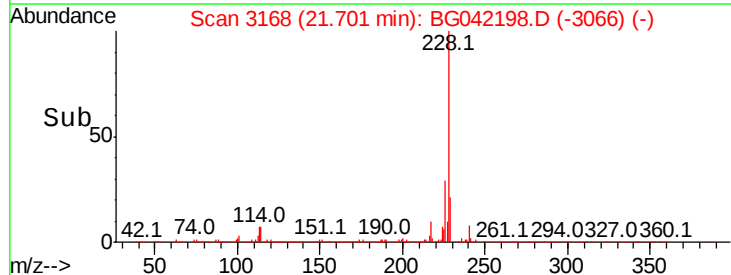
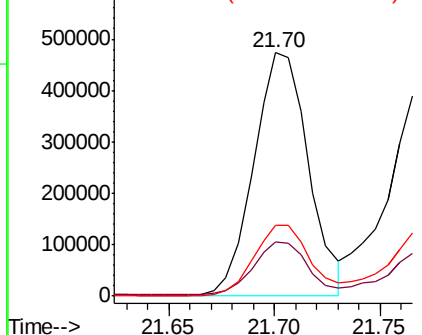


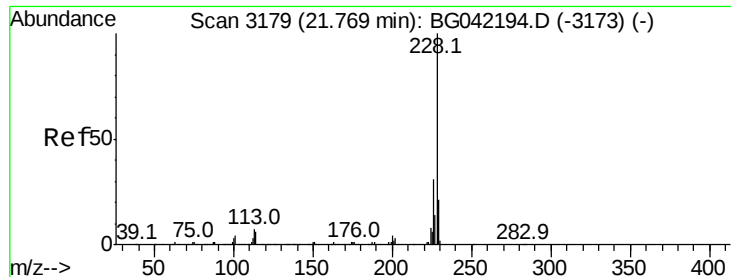
#82
Benzo(a)anthracene
Concen: 25.506 ng/ul
RT: 21.70 min Scan# 3168
Delta R.T. -0.00 min
Lab File: BG042198.D
Acq: 14 Aug 2019 6:46

Tgt Ion:228 Resp: 848410
Ion Ratio Lower Upper
228 100
229 22.3 17.0 25.6
226 28.9 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: 25.207 ng/ul

RT: 21.77 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Instrument :

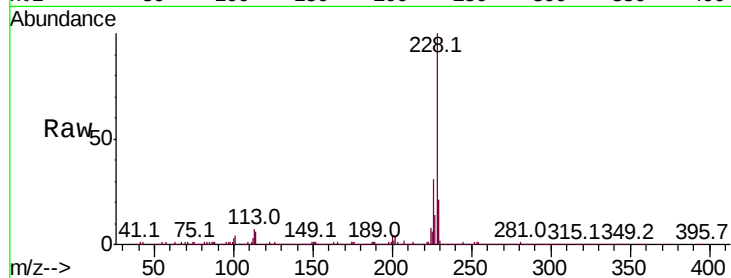
BNA_G

ClientSampleId :

CB5N5

Tot Ion:228 Resp: 782583

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.7	38.5
229	20.8	16.6	24.8

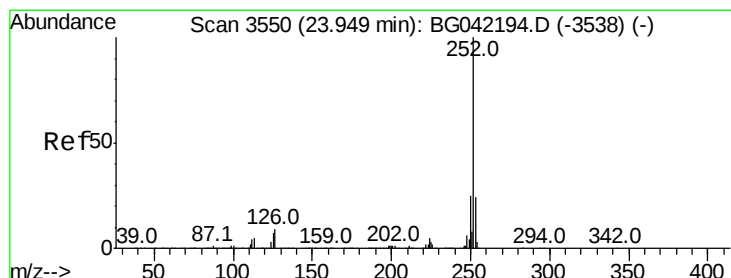
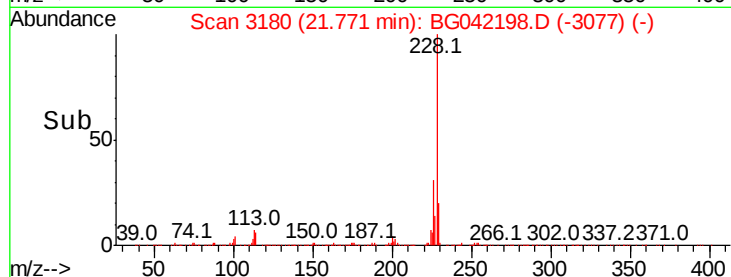
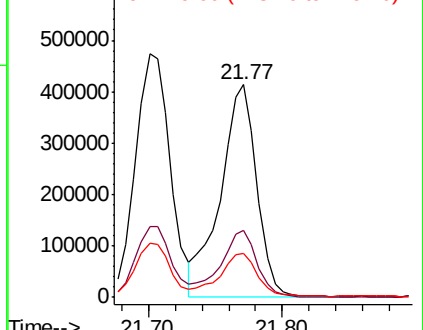


Abundance

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



#87

Benzo(b)fluoranthene

Concen: 29.919 ng/ul

RT: 23.96 min Scan# 3552

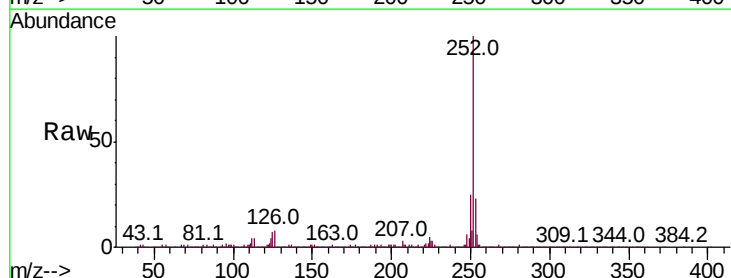
Delta R.T. 0.01 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Tgt Ion:252 Resp: 1091854

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	7.2	5.8	8.8

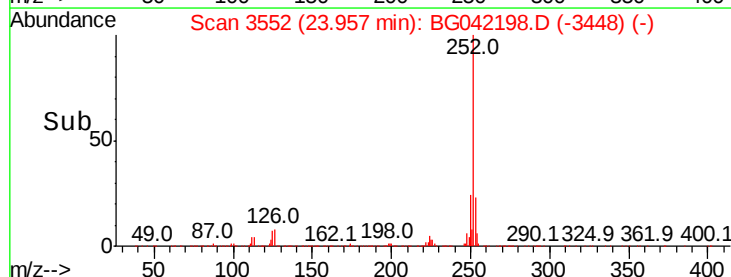
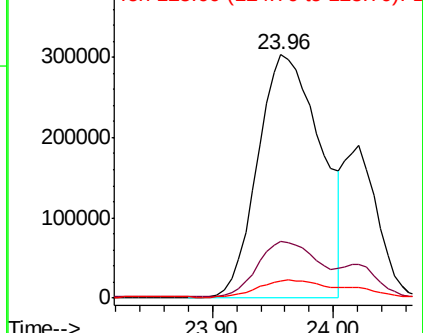


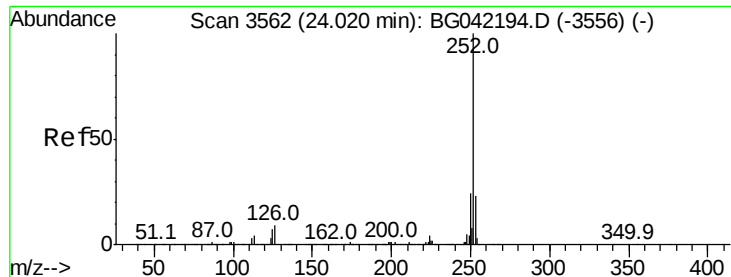
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 31.117 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. -0.06 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Instrument :

BNA_G

ClientSampleId :

CB5N5

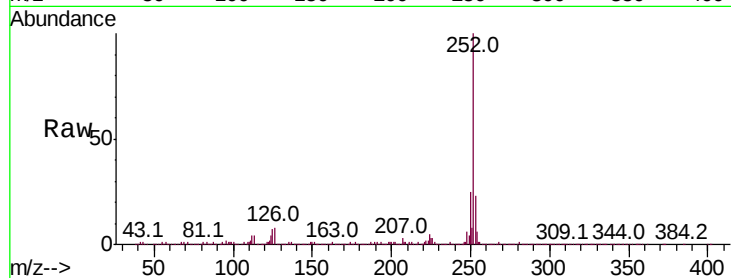
Tot Ion:252 Resp: 1091854

Ion Ratio Lower Upper

252 100

253 23.1 18.3 27.5

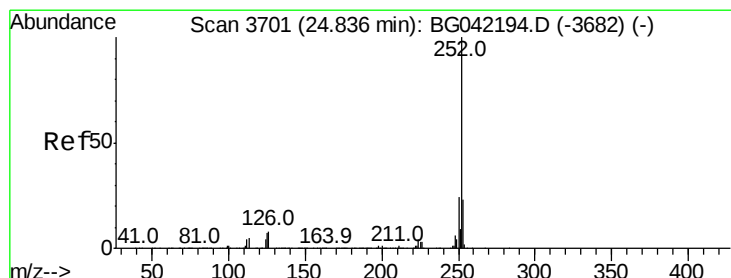
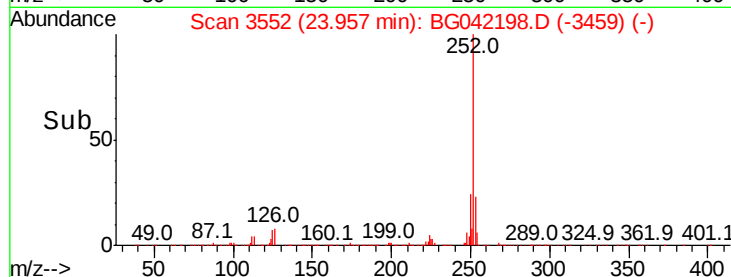
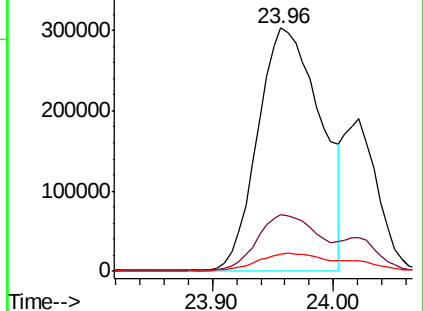
125 7.2 5.5 8.3



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: 22.176 ng/ul

RT: 24.84 min Scan# 3703

Delta R.T. 0.01 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

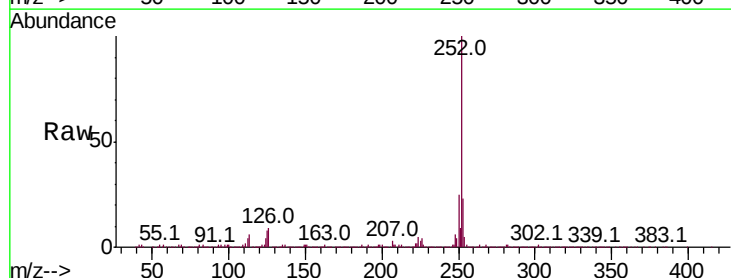
Tgt Ion:252 Resp: 771171

Ion Ratio Lower Upper

252 100

253 23.0 18.3 27.5

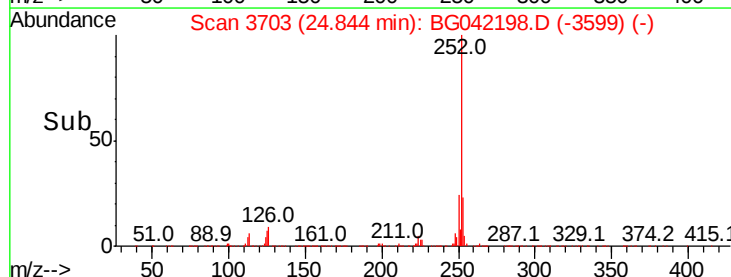
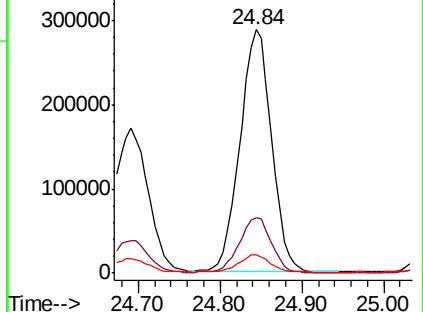
125 7.7 6.5 9.7

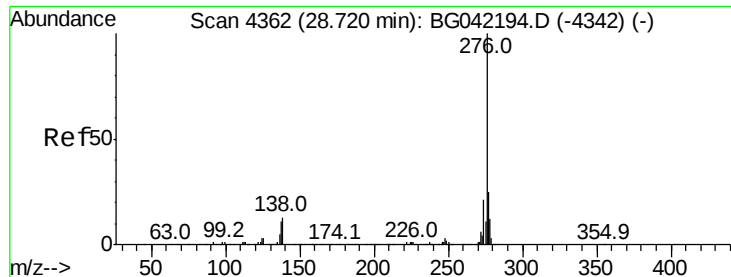


Abundance Ion 252.00 (251.70 to 252.70): E

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: 11.992 ng/ul

RT: 28.73 min Scan# 4365

Delta R.T. 0.02 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Instrument :

BNA_G

ClientSampleId :

CB5N5

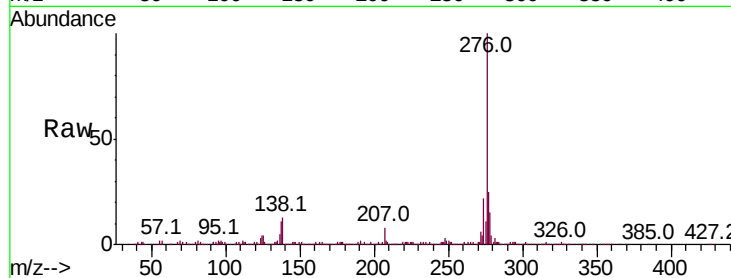
Tot Ion:276 Resp: 486428

Ion Ratio Lower Upper

276 100

138 13.2 12.0 18.0

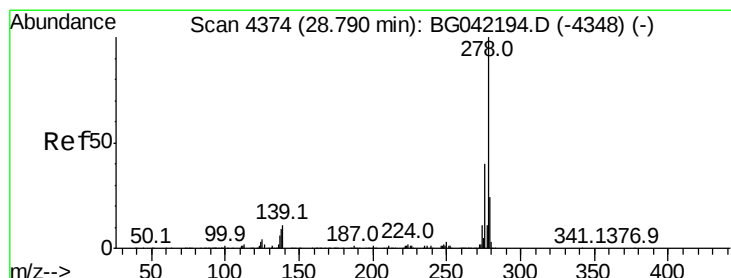
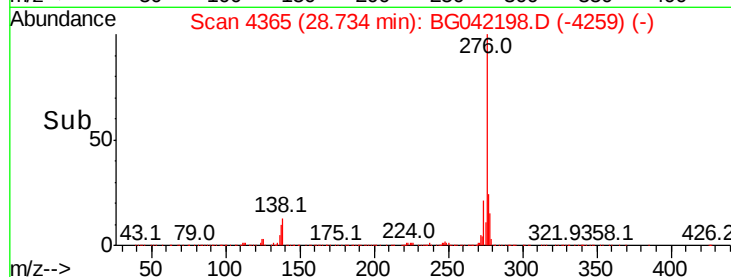
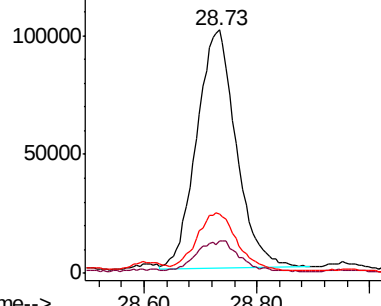
277 24.5 19.2 28.8



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



#92

Dibenzo(a,h)anthracene

Concen: 3.938 ng/ul

RT: 28.78 min Scan# 4373

Delta R.T. 0.00 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

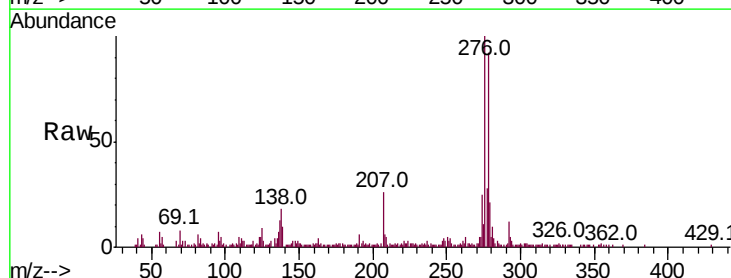
Tgt Ion:278 Resp: 130284

Ion Ratio Lower Upper

278 100

139 10.5 9.4 14.0

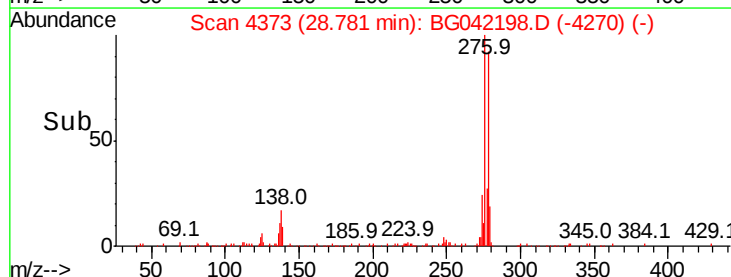
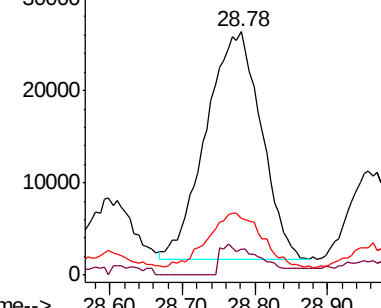
279 23.2 19.2 28.8

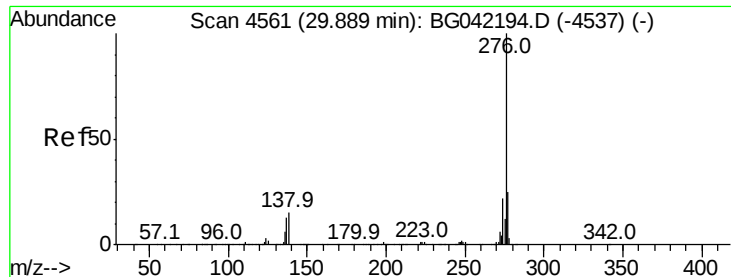


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 10.796 ng/ul

RT: 29.89 min Scan# 4561

Delta R.T. 0.01 min

Lab File: BG042198.D

Acq: 14 Aug 2019 6:46

Instrument :

BNA_G

ClientSampleId :

CB5N5

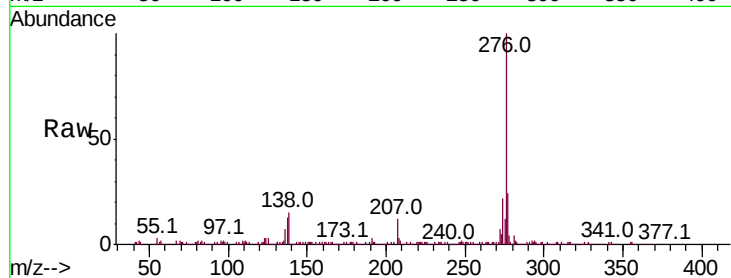
Tot Ion:276 Resp: 365621

Ion Ratio Lower Upper

276 100

138 15.4 12.6 18.8

277 24.5 19.2 28.8



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

