

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
 Data File : BG042185.D
 Acq On : 13 Aug 2019 17:50
 Operator : HP/JU
 Sample : K4215-11
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETOC2

Quant Time: Aug 14 05:03:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	70423	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	290272	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	195647	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	503374	20.00	ng/ul	0.10
77) Chrysene-d12	21.72	240	408012	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	489397	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	4204	2.61	ng/uL	0.00
5) Phenol-d5	7.18	99	103545	18.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	53543	17.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	98347	20.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	77871	16.78	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	47295	21.65	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	58909	23.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	110344	21.54	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	118572	20.86	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	347222	22.88	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	406809	23.47	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	30496	11.97	ng/ul	0.00
57) Fluorene-d10	15.68	176	318186	23.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	245	0.08	ng/ul	0.08
70) Anthracene-d10	17.54	188	503374	20.84	ng/ul	0.00
78) Pyrene-d10	19.83	212	570229	25.04	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	680687	26.62	ng/ul	0.00

Target Compounds

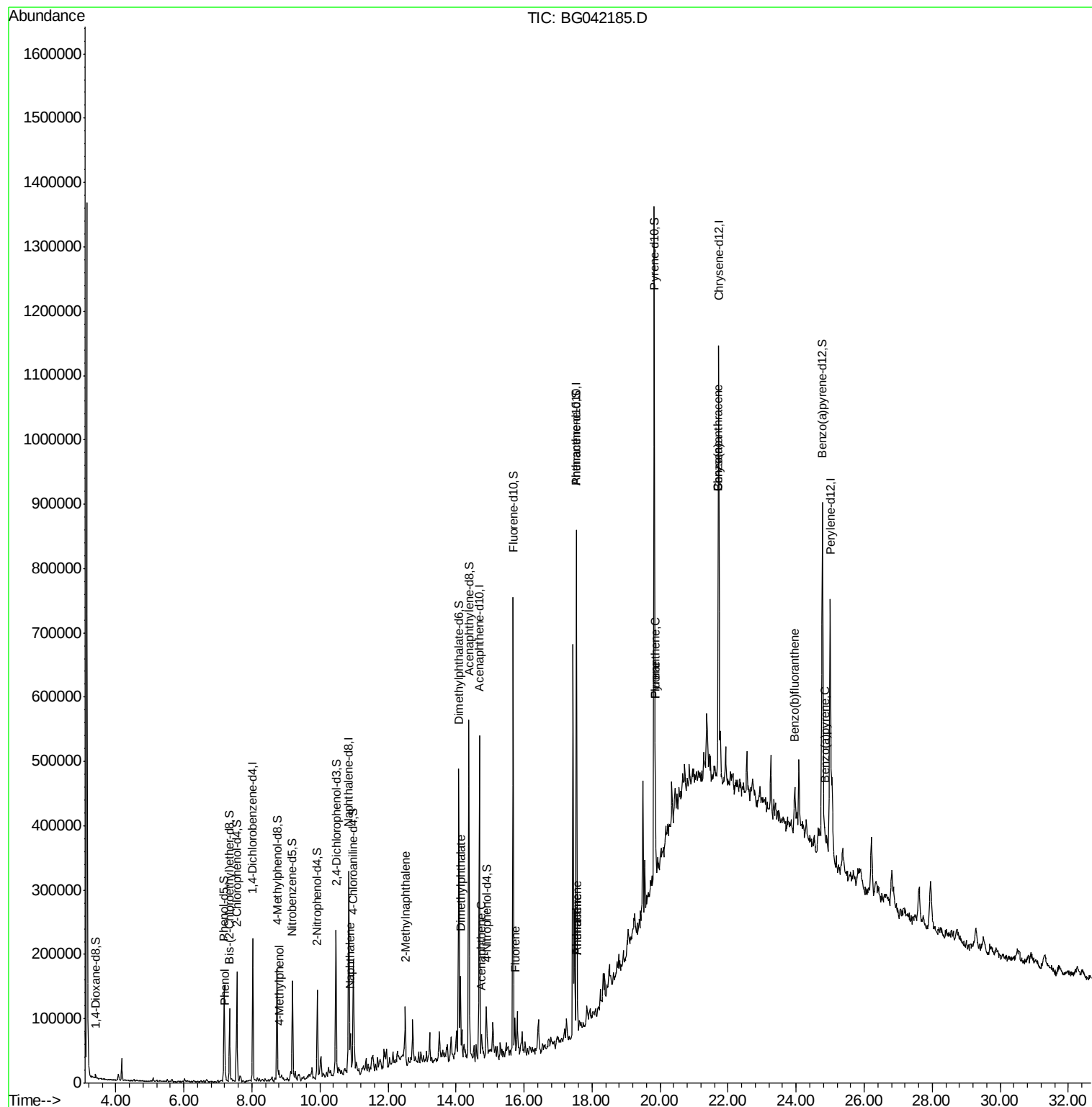
					Ovalue	
6) Phenol	7.21	94	10394	1.822	ng/ul	98
16) 4-Methylphenol	8.80	108	5159	1.044	ng/ul	86
28) Naphthalene	10.90	128	37752	2.544	ng/ul	98
34) 2-Methylnaphthalene	12.51	142	46646	3.955	ng/ul	96
44) Dimethylphthalate	14.13	163	87700	5.821	ng/ul	98
49) Acenaphthene	14.75	153	16744	1.369	ng/ul	97
58) Fluorene	15.73	166	22981	1.563	ng/ul	97
69) Phenanthrene	17.57	178	28163	1.022	ng/ul	99
71) Anthracene	17.57	178	28188	1.009	ng/ul	99
76) Fluoranthene	19.85	202	123642	3.883	ng/ul	99
79) Pyrene	19.85	202	123642	4.505	ng/ul	96
82) Benzo(a)anthracene	21.70	228	57775	2.042	ng/ul	96
84) Chrysene	21.70	228	57823	2.190	ng/ul	95
87) Benzo(b)fluoranthene	23.96	252	64200	2.090	ng/ul#	85
90) Benzo(a)pyrene	24.84	252	48041	1.642	ng/ul#	87

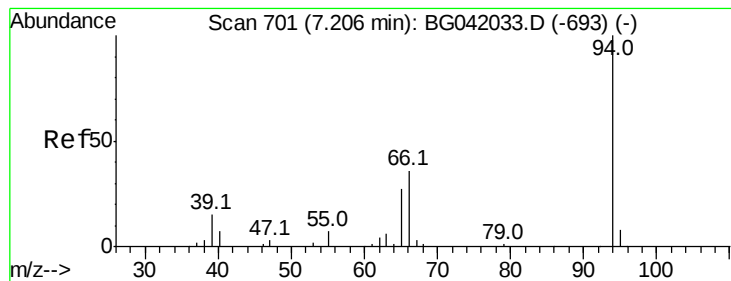
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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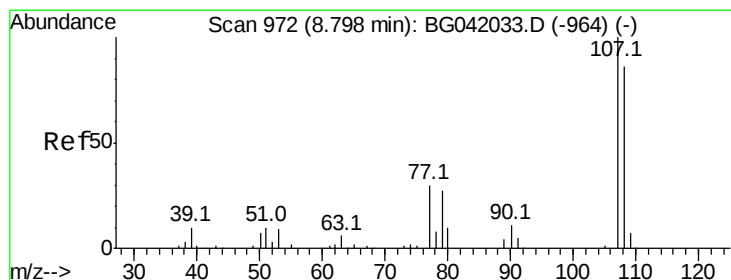
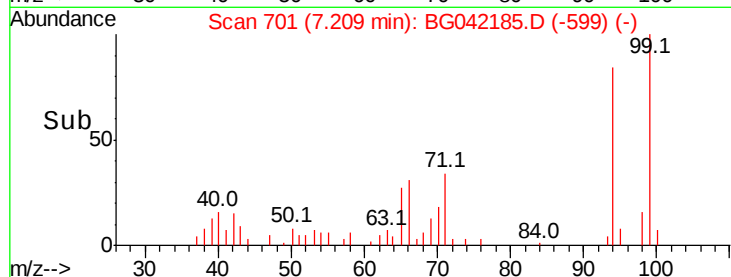
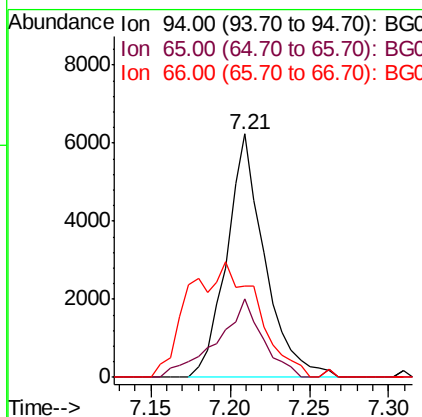
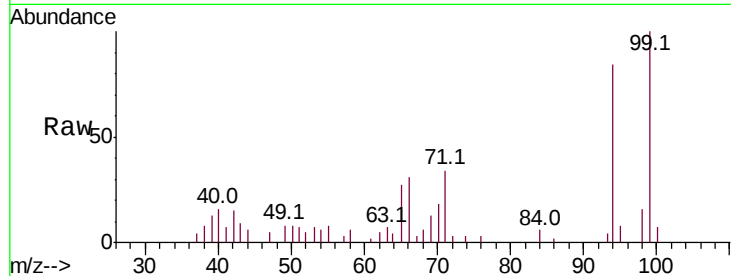
#6

Phenol

Concen: 1.822 ng/ul
 RT: 7.21 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: BG042185.D
 Acq: 13 Aug 2019 17:50

Instrument :
 BNA_G
 ClientSampleId :
 ETOC2

Tot Ion: 94 Resp: 10394
 Ion Ratio Lower Upper
 94 100
 65 32.4 25.8 38.6
 66 37.3 31.8 47.8

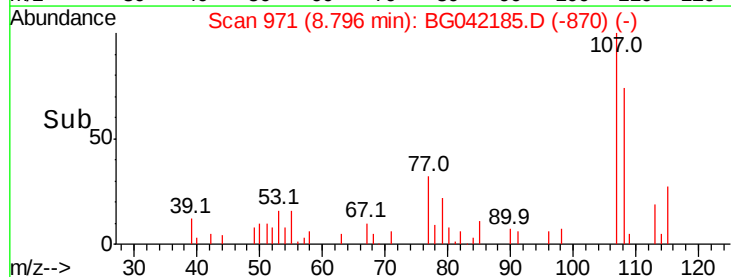
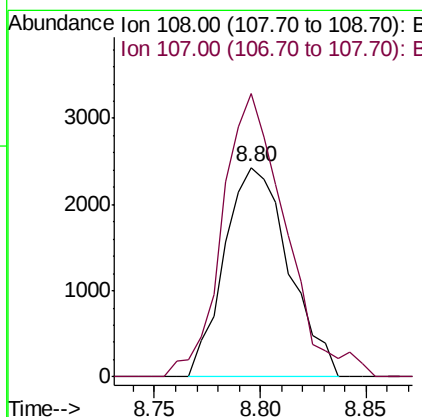
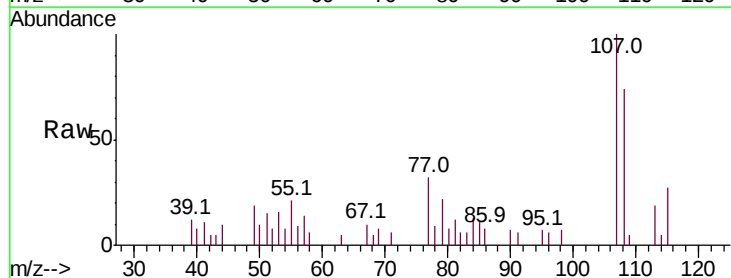


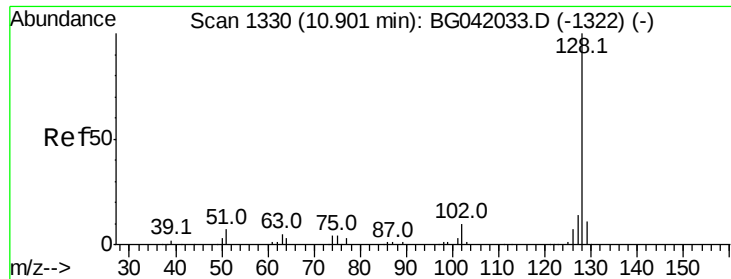
#16

4-Methylphenol

Concen: 1.044 ng/ul
 RT: 8.80 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: BG042185.D
 Acq: 13 Aug 2019 17:50

Tgt Ion: 108 Resp: 5159
 Ion Ratio Lower Upper
 108 100
 107 135.4 96.2 144.2

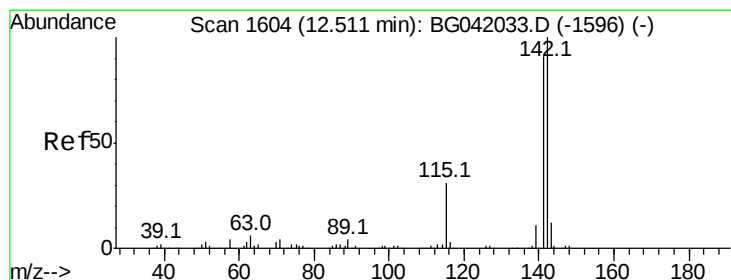
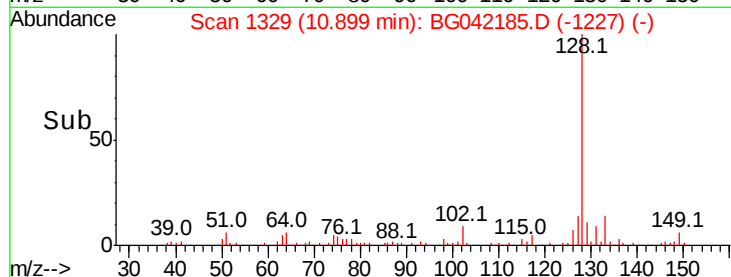
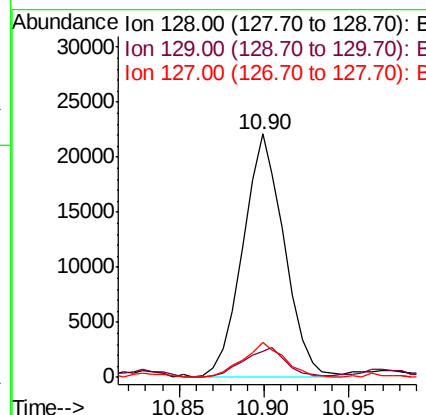
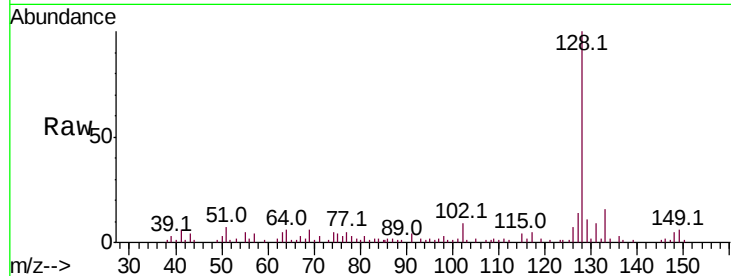




#28
Naphthalene
Concen: 2.544 ng/ul
RT: 10.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BG042185.D
Acq: 13 Aug 2019 17:50

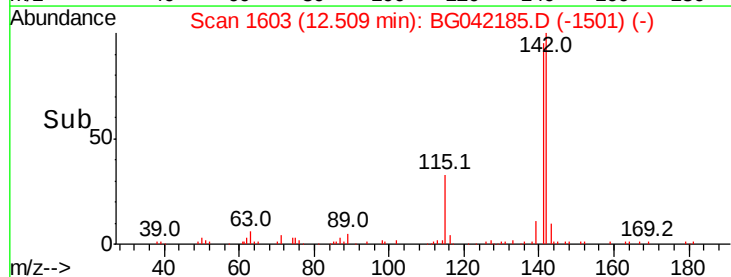
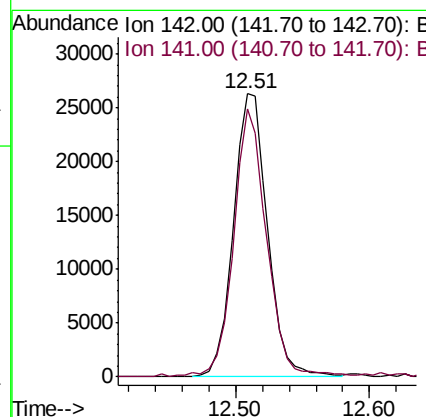
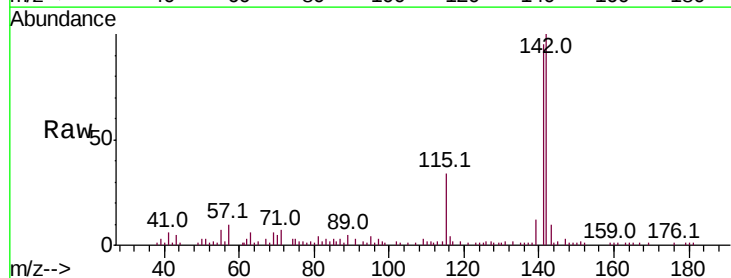
Instrument :
BNA_G
ClientSampleId :
ETOC2

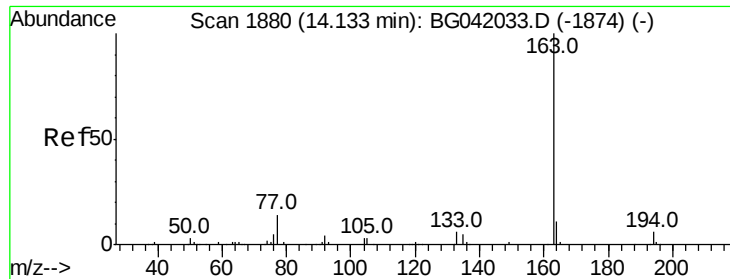
Tot Ion:128 Resp: 37752
Ion Ratio Lower Upper
128 100
129 10.6 9.5 14.3
127 14.2 11.4 17.0



#34
2-Methylnaphthalene
Concen: 3.955 ng/ul
RT: 12.51 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BG042185.D
Acq: 13 Aug 2019 17:50

Tgt Ion:142 Resp: 46646
Ion Ratio Lower Upper
142 100
141 94.8 72.9 109.3





#44

Dimethylphthalate

Concen: 5.821 ng/ul

RT: 14.13 min Scan# 1879

Delta R.T. -0.00 min

Lab File: BG042185.D

Acq: 13 Aug 2019 17:50

Instrument :

BNA_G

ClientSampleId :

ETOC2

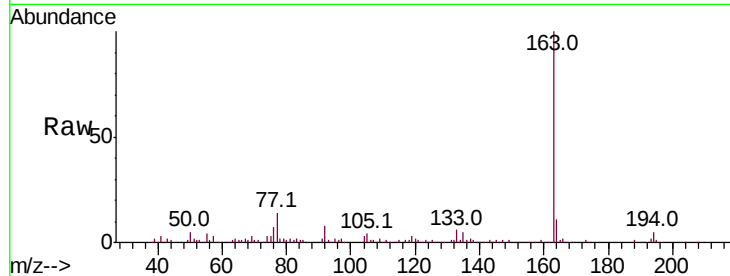
Tot Ion:163 Resp: 87700

Ion Ratio Lower Upper

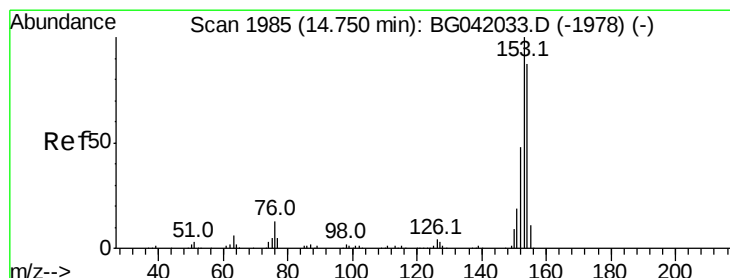
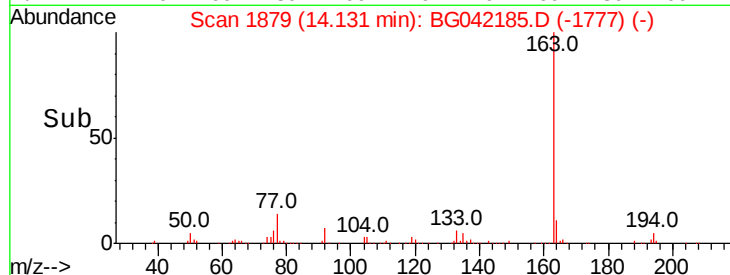
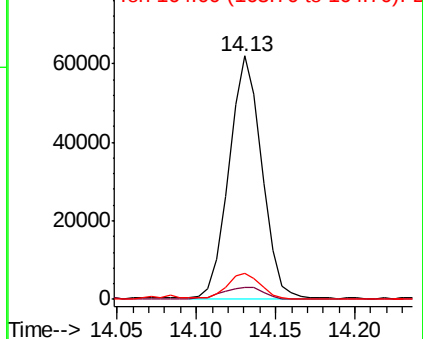
163 100

194 5.0 4.2 6.2

164 10.9 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: 1.369 ng/ul

RT: 14.75 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BG042185.D

Acq: 13 Aug 2019 17:50

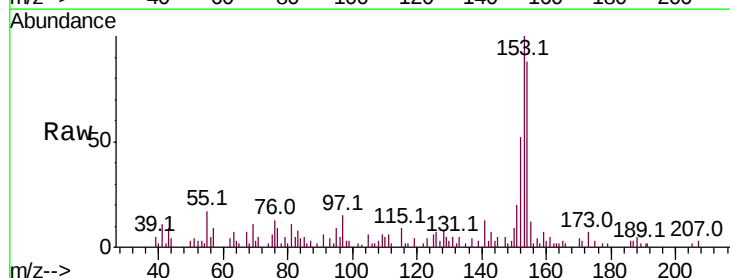
Tgt Ion:153 Resp: 16744

Ion Ratio Lower Upper

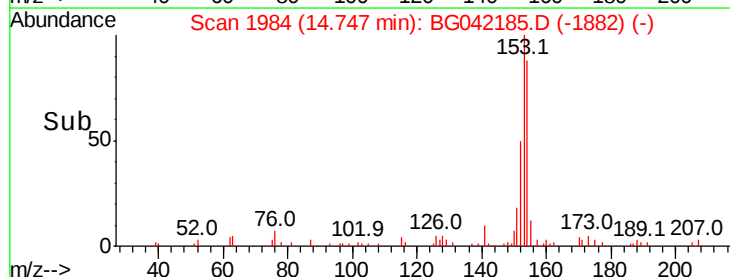
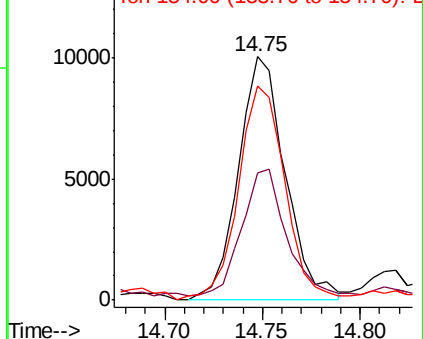
153 100

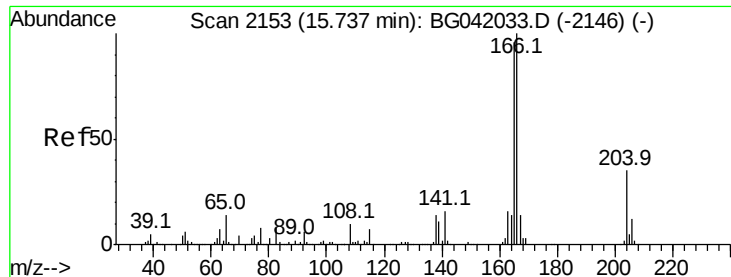
152 52.1 37.8 56.8

154 87.8 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





#58

Fluorene

Concen: 1.563 ng/ul

RT: 15.73 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BG042185.D

Acq: 13 Aug 2019 17:50

Instrument :

BNA_G

ClientSampleId :

ETOC2

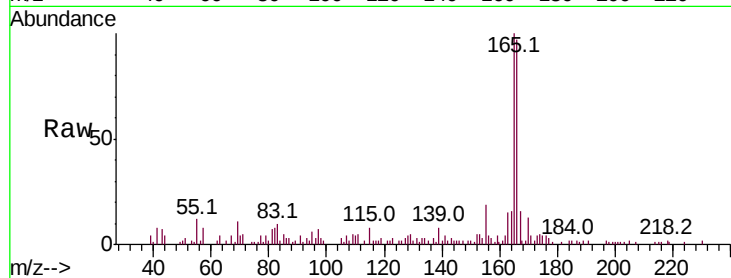
Tot Ion:166 Resp: 22981

Ion Ratio Lower Upper

166 100

165 103.5 81.1 121.7

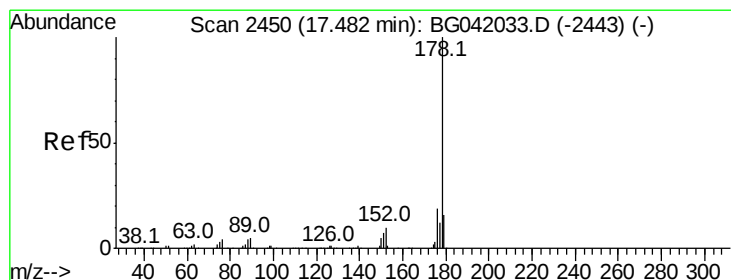
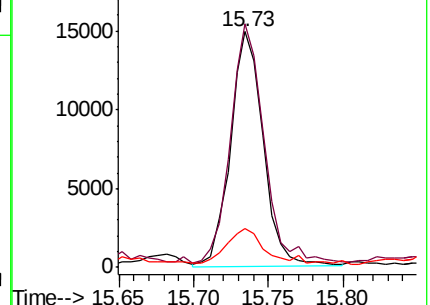
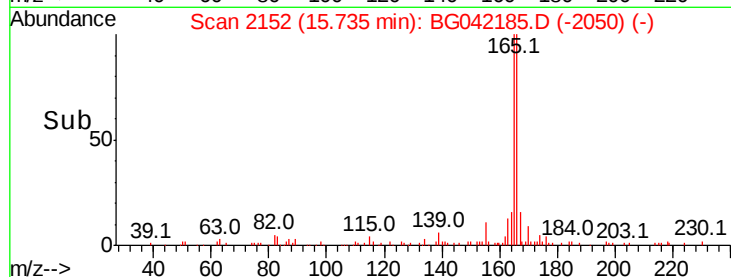
167 16.3 11.0 16.4



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: 1.022 ng/ul

RT: 17.57 min Scan# 2465

Delta R.T. 0.09 min

Lab File: BG042185.D

Acq: 13 Aug 2019 17:50

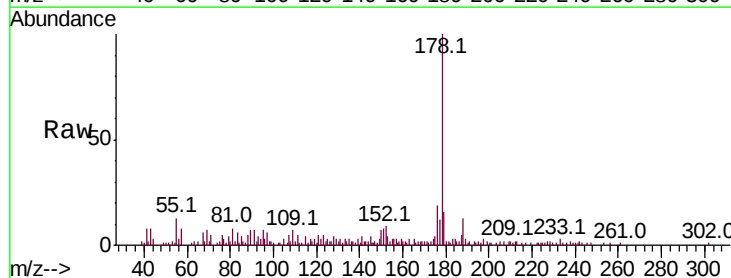
Tgt Ion:178 Resp: 28163

Ion Ratio Lower Upper

178 100

179 16.1 12.8 19.2

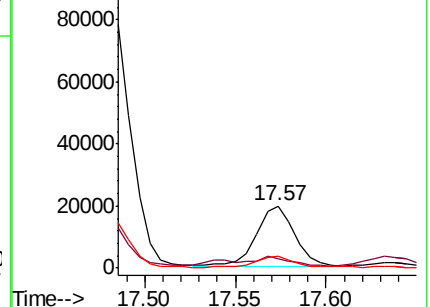
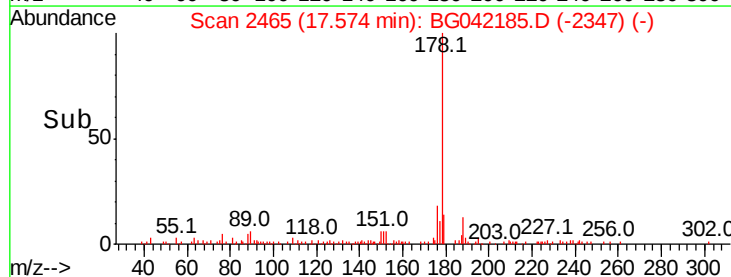
176 18.9 15.4 23.2

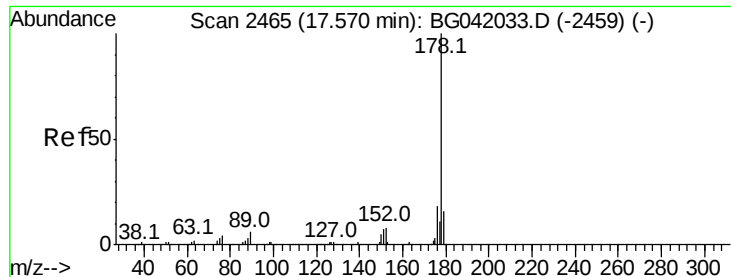


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 1.009 ng/ul

RT: 17.57 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BG042185.D

Acq: 13 Aug 2019 17:50

Instrument :

BNA_G

ClientSampleId :

ETOC2

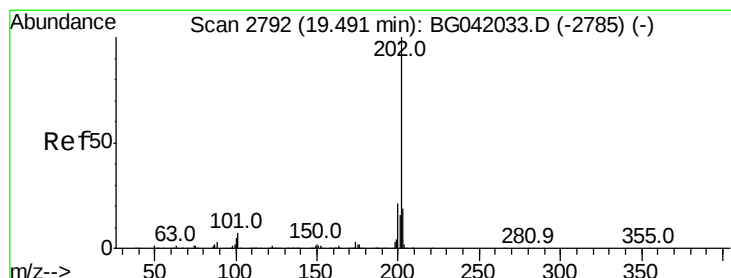
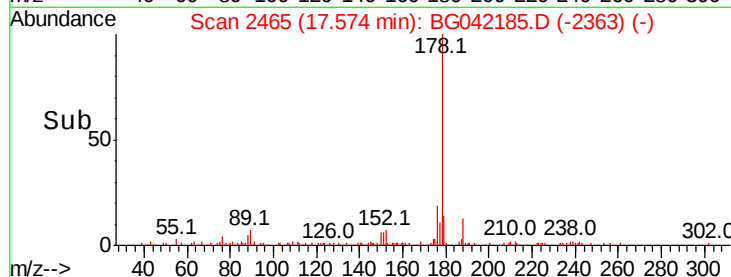
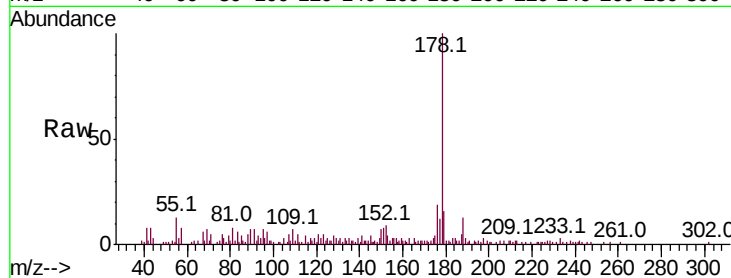
Tot Ion:178 Resp: 28188

Ion Ratio Lower Upper

178 100

179 16.1 13.4 20.0

176 18.9 15.4 23.2



#76

Fluoranthene

Concen: 3.883 ng/ul

RT: 19.85 min Scan# 2853

Delta R.T. 0.36 min

Lab File: BG042185.D

Acq: 13 Aug 2019 17:50

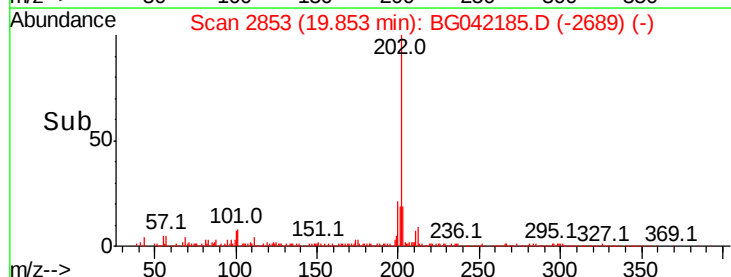
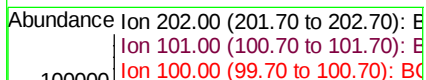
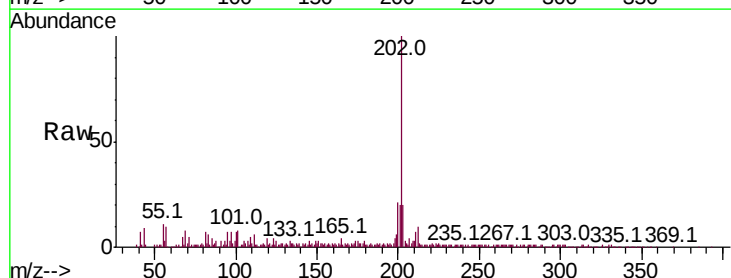
Tgt Ion:202 Resp: 123642

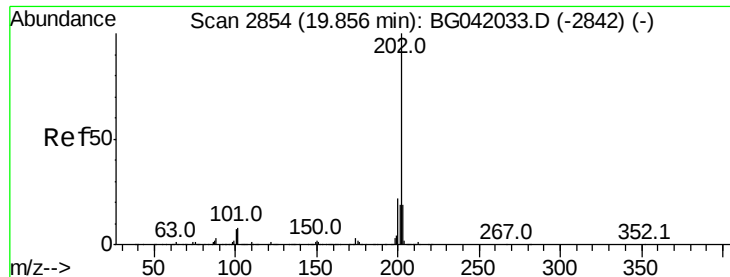
Ion Ratio Lower Upper

202 100

101 7.9 6.7 10.1

100 7.0 5.3 7.9





#79

Pvrene

Concen: 4.505 ng/ul

RT: 19.85 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG042185.D

Acq: 13 Aug 2019 17:50

Instrument :

BNA_G

ClientSampleId :

ETOC2

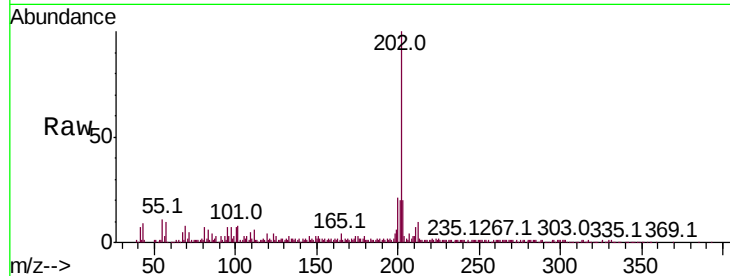
Tot Ion:202 Resp: 123642

Ion Ratio Lower Upper

202 100

101 7.9 7.6 11.4

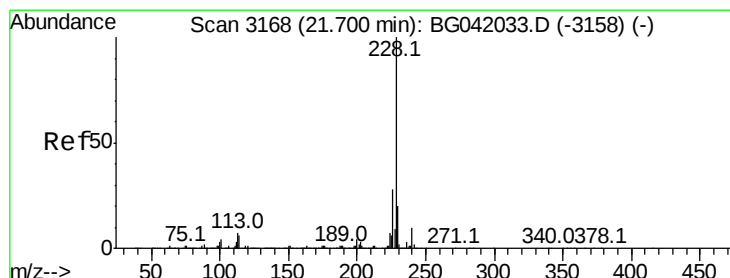
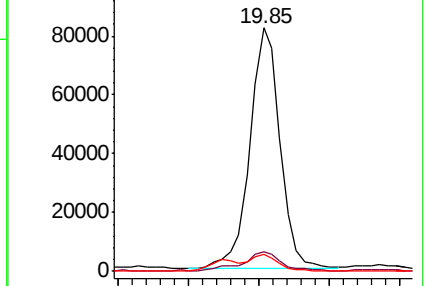
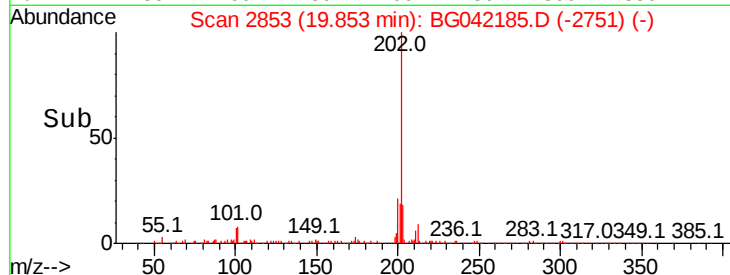
100 7.0 6.5 9.7



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: 2.042 ng/ul

RT: 21.70 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BG042185.D

Acq: 13 Aug 2019 17:50

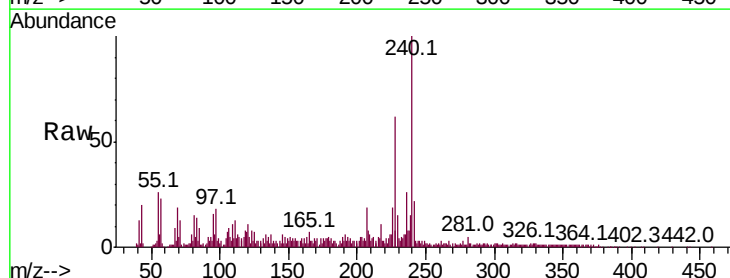
Tgt Ion:228 Resp: 57775

Ion Ratio Lower Upper

228 100

229 24.3 17.0 25.6

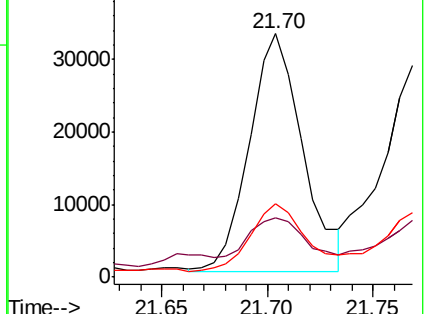
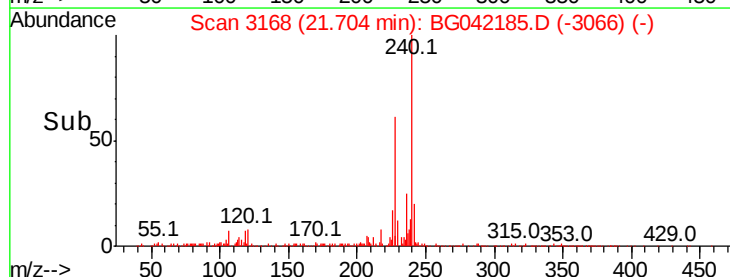
226 30.1 23.3 34.9

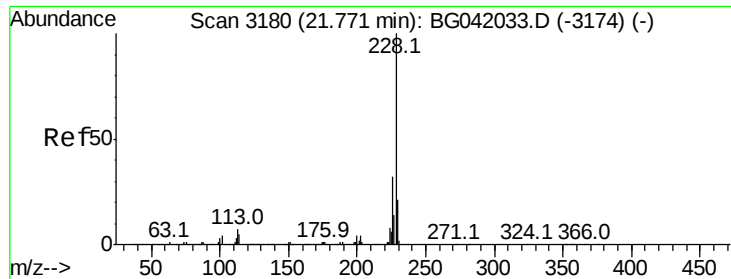


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 2.190 ng/ul

RT: 21.70 min Scan# 3168

Delta R.T. -0.06 min

Lab File: BG042185.D

Acq: 13 Aug 2019 17:50

Instrument :

BNA_G

ClientSampleId :

ETOC2

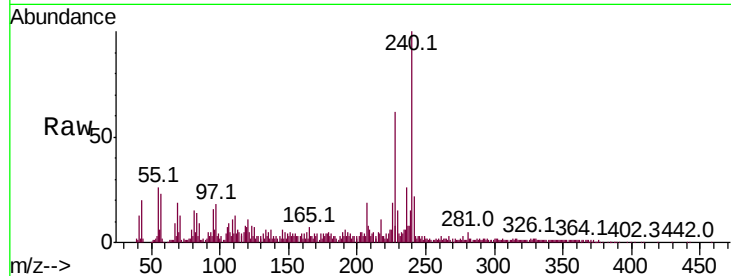
Tot Ion:228 Resp: 57823

Ion Ratio Lower Upper

228 100

226 30.1 25.7 38.5

229 24.3 16.6 24.8

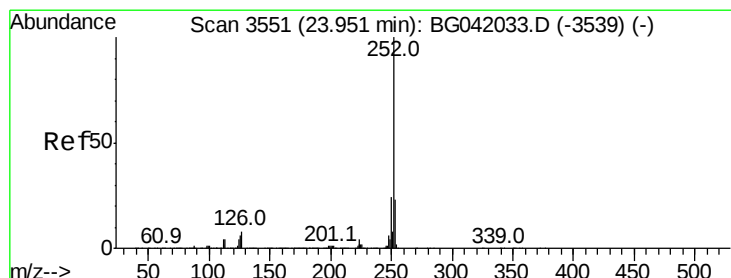
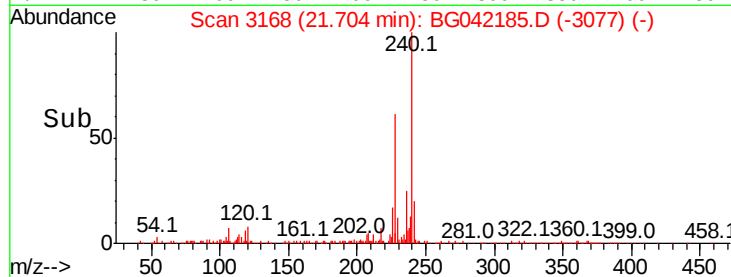
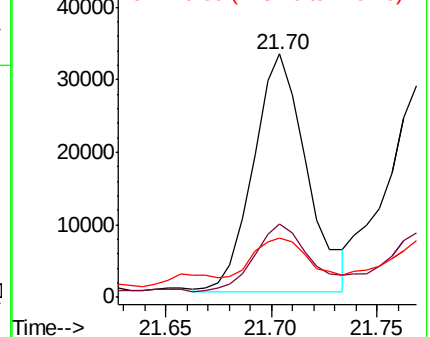


Abundance

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: 2.090 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BG042185.D

Acq: 13 Aug 2019 17:50

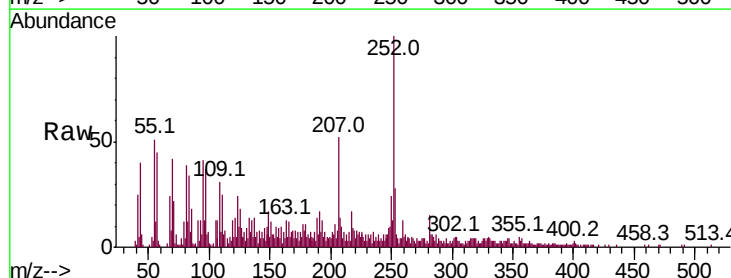
Tgt Ion:252 Resp: 64200

Ion Ratio Lower Upper

252 100

253 27.5 18.4 27.6

125 18.0 5.8 8.8#

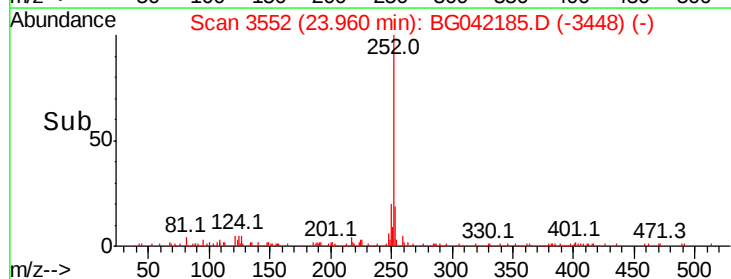
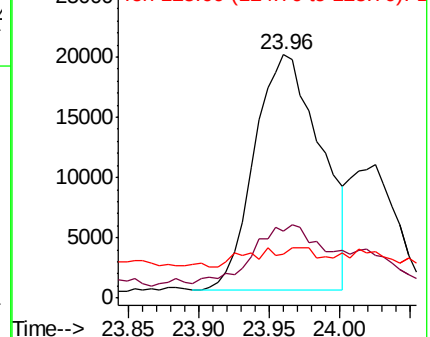


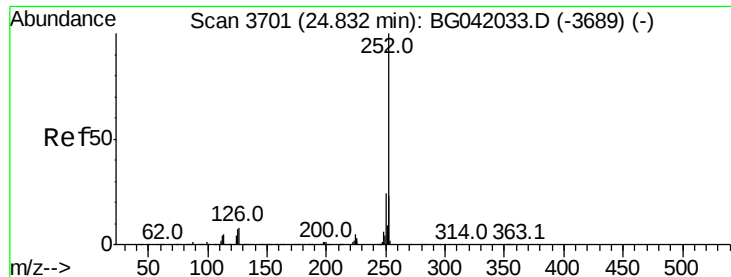
Abundance

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





#90

Benzo(a)pyrene

Concen: 1.642 ng/ul

RT: 24.84 min Scan# 3702

Delta R.T. 0.01 min

Lab File: BG042185.D

Acq: 13 Aug 2019 17:50

Instrument :

BNA_G

ClientSampleId :

ETOC2

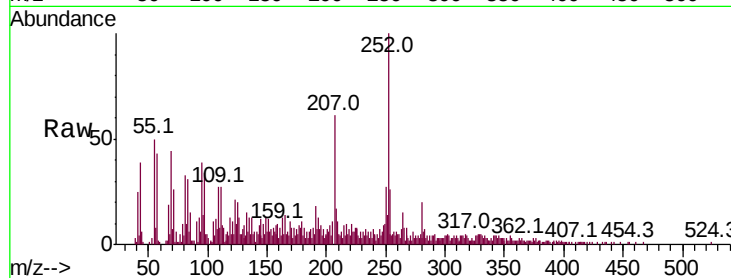
Tot Ion:252 Resp: 48041

Ion Ratio Lower Upper

252 100

253 25.5 18.3 27.5

125 20.3 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

