

Data File : BG042019.D
Acq On : 7 Aug 2019 5:20
Operator : HP/JU
Sample : K4029-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENY6

Quant Time: Aug 07 07:26:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 07 02:32:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	62578	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	270828	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	209456	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.43	188	489347	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	484410	20.00	ng/ul	0.00
85) Perylene-d12	24.98	264	562334	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	5787	4.05	ng/uL	0.00
5) Phenol-d5	7.17	99	112807	22.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	64955	23.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	105257	25.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	87945	21.33	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	56541	27.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	69687	29.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	128322	26.85	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	150904	28.46	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	479381	29.51	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	520984	28.08	ng/ul	0.00
51) 4-Nitrophenol-d4	14.87	143	54171	19.86	ng/ul	0.00
57) Fluorene-d10	15.68	176	422649	29.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.79	200	71751	22.85	ng/ul	0.00
70) Anthracene-d10	17.53	188	679610	28.95	ng/ul	0.00
78) Pyrene-d10	19.82	212	777665	28.77	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.76	264	845790	28.79	ng/ul	0.00

Target Compounds

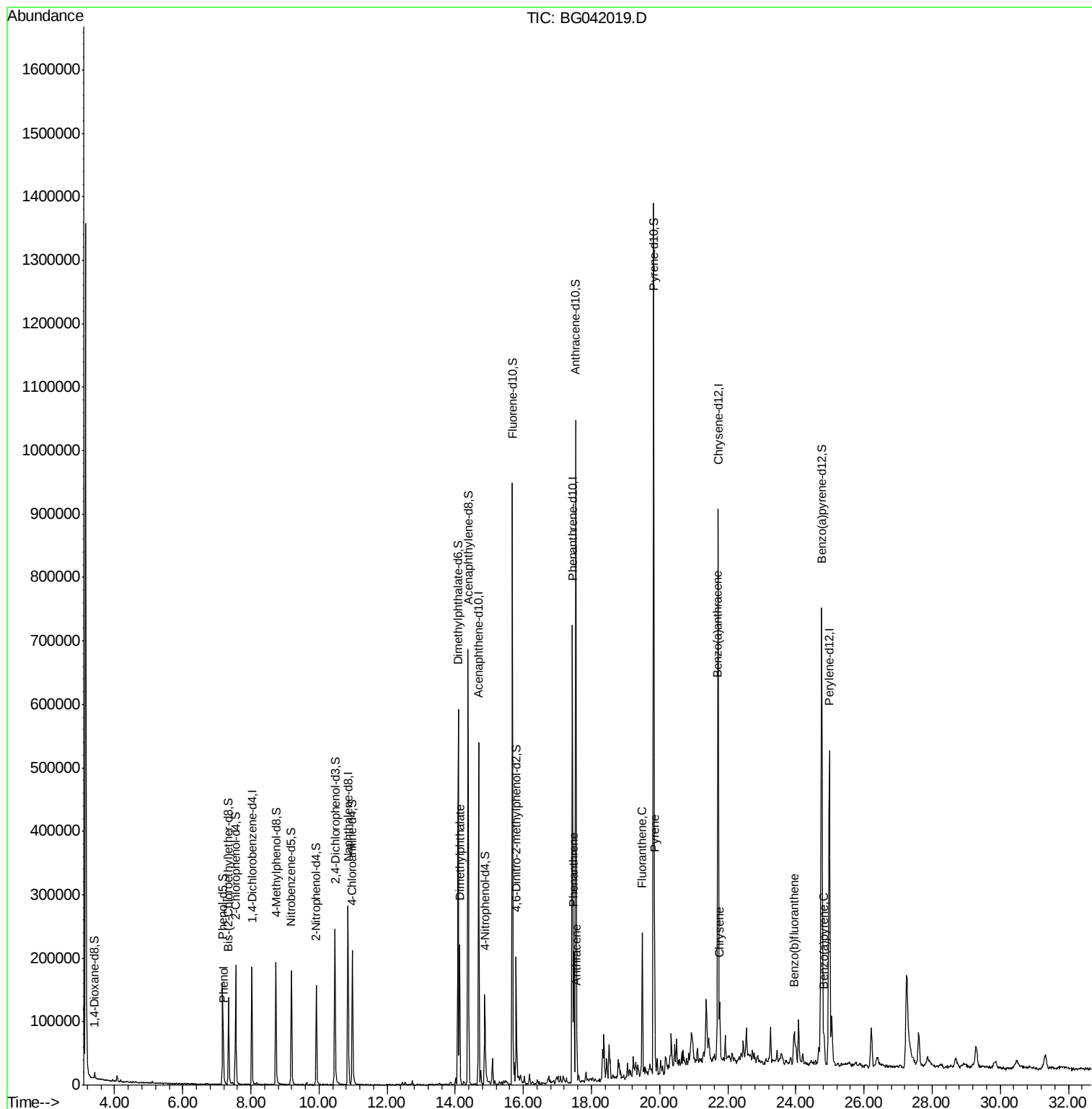
					Qvalue	
6) Phenol	7.20	94	9599	1.894	ng/ul	89
44) Dimethylphthalate	14.13	163	171887	10.657	ng/ul	98
69) Phenanthrene	17.48	178	143030	5.339	ng/ul	99
71) Anthracene	17.57	178	46465	1.710	ng/ul	99
76) Fluoranthene	19.49	202	152721	4.934	ng/ul#	96
79) Pyrene	19.85	202	129188	3.965	ng/ul	99
82) Benzo(a)anthracene	21.70	228	83690	2.492	ng/ul	99
84) Chrysene	21.77	228	67722	2.160	ng/ul	96
87) Benzo(b)fluoranthene	23.95	252	76020	2.154	ng/ul	98
90) Benzo(a)pyrene	24.83	252	54413	1.618	ng/ul	99

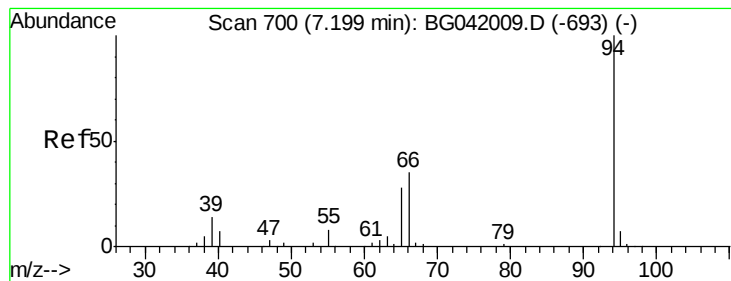
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.894 ng/ul

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG042019.D

Acq: 7 Aug 2019 5:20

Instrument :

BNA_G

ClientSampleId :

BENY6

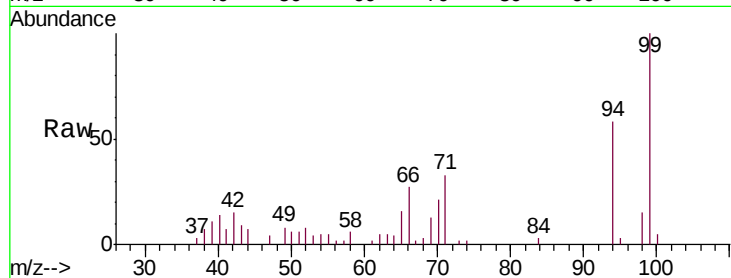
Tgt Ion: 94 Resp: 9599

Ion Ratio Lower Upper

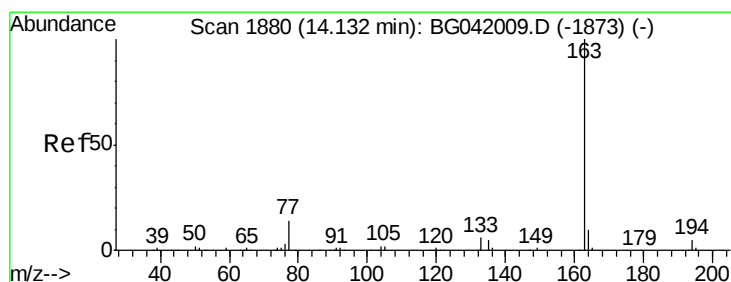
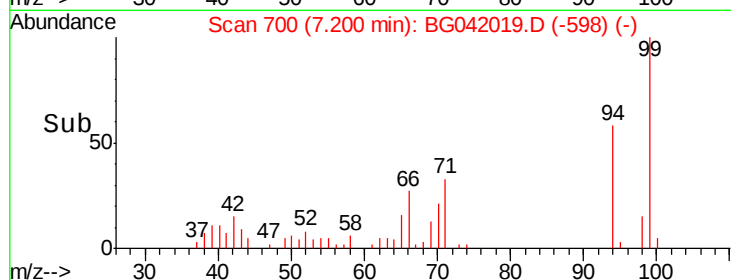
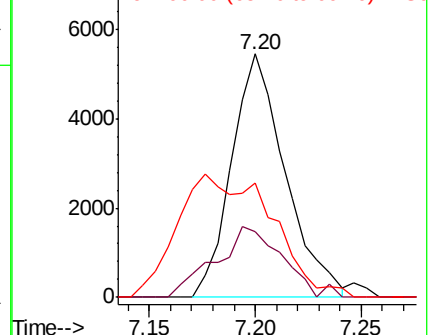
94 100

65 26.9 25.8 38.6

66 47.0 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



#44

Dimethylphthalate

Concen: 10.657 ng/ul

RT: 14.13 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BG042019.D

Acq: 7 Aug 2019 5:20

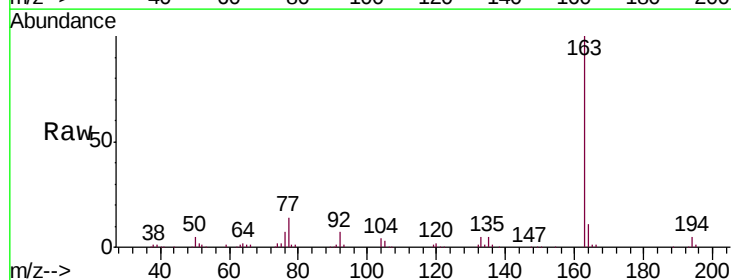
Tgt Ion: 163 Resp: 171887

Ion Ratio Lower Upper

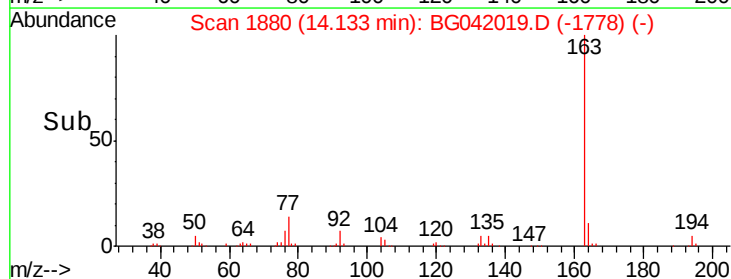
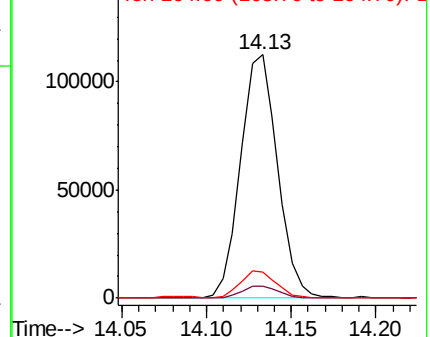
163 100

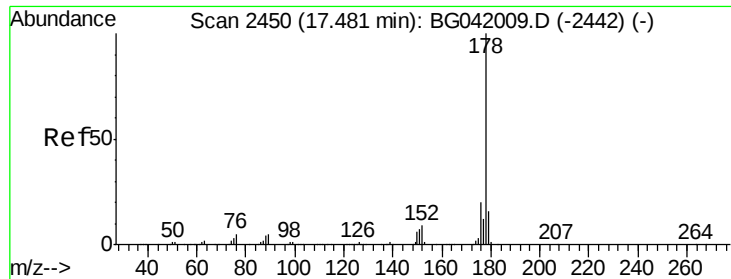
194 4.7 4.2 6.2

164 10.7 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





#69

Phenanthrene

Concen: 5.339 ng/ul

RT: 17.48 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BG042019.D

Acq: 7 Aug 2019 5:20

Instrument :

BNA_G

ClientSampleId :

BENY6

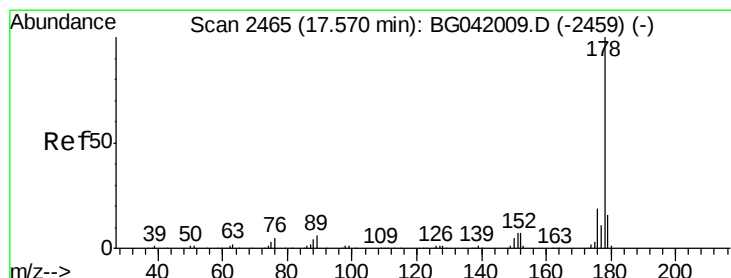
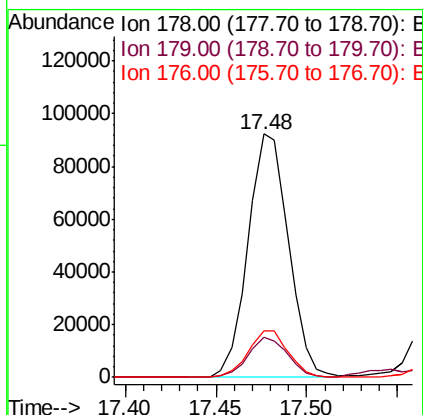
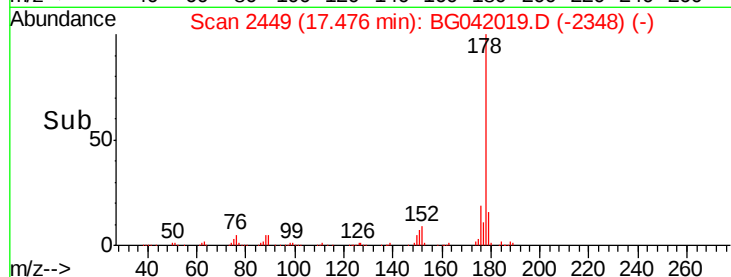
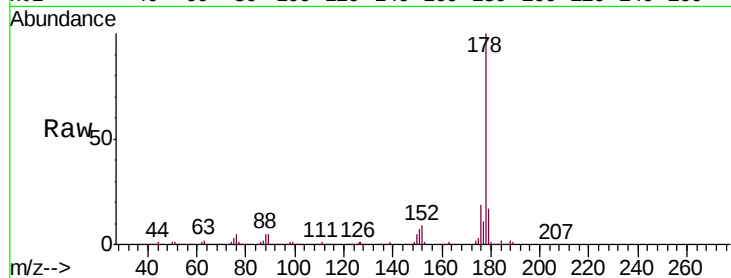
Tgt Ion:178 Resp: 143030

Ion Ratio Lower Upper

178 100

179 16.6 12.8 19.2

176 18.9 15.4 23.2



#71

Anthracene

Concen: 1.710 ng/ul

RT: 17.57 min Scan# 2465

Delta R.T. 0.00 min

Lab File: BG042019.D

Acq: 7 Aug 2019 5:20

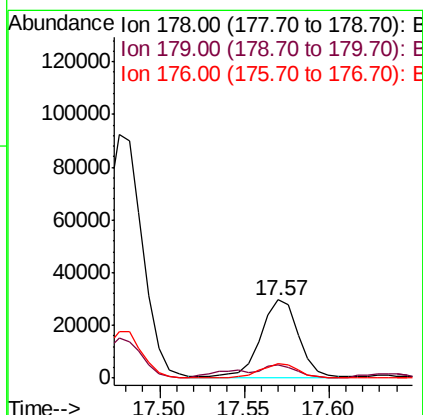
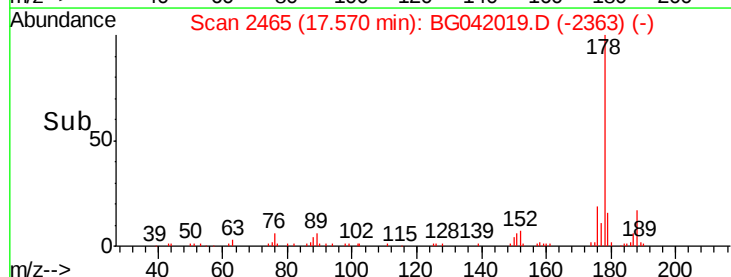
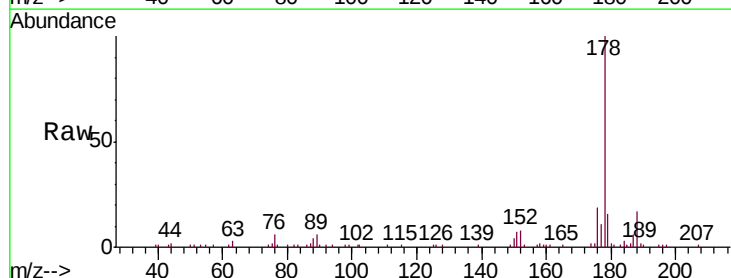
Tgt Ion:178 Resp: 46465

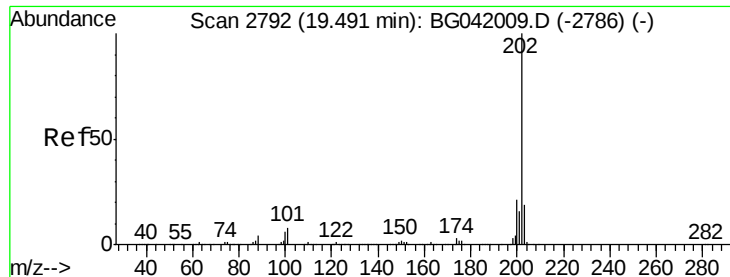
Ion Ratio Lower Upper

178 100

179 16.2 13.4 20.0

176 19.2 15.4 23.2





#76

Fluoranthene

Concen: 4.934 ng/ul

RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG042019.D

Acq: 7 Aug 2019 5:20

Instrument :

BNA_G

ClientSampleId :

BENY6

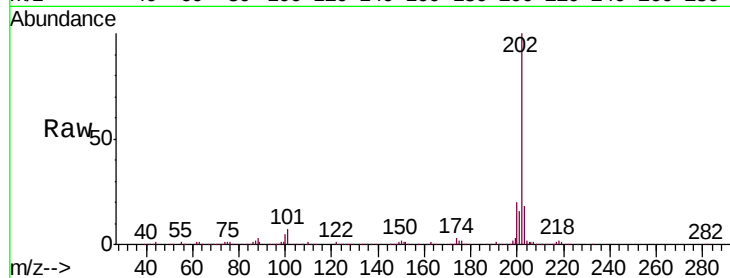
Tgt Ion:202 Resp: 152721

Ion Ratio Lower Upper

202 100

101 6.9 6.7 10.1

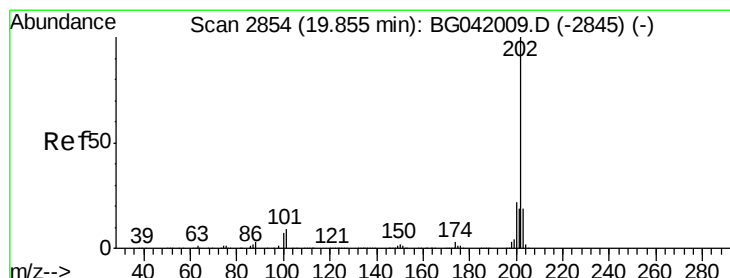
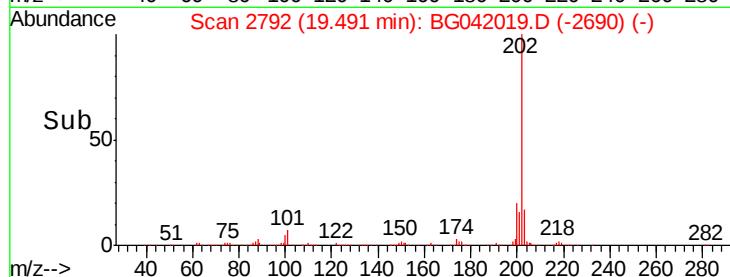
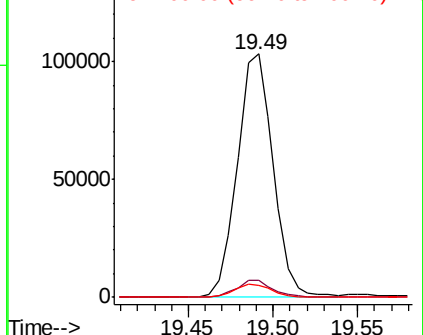
100 5.2 5.3 7.9#



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

Pyrene

Concen: 3.965 ng/ul

RT: 19.85 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG042019.D

Acq: 7 Aug 2019 5:20

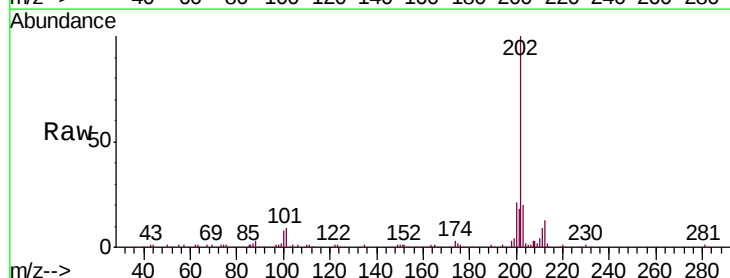
Tgt Ion:202 Resp: 129188

Ion Ratio Lower Upper

202 100

101 8.7 7.6 11.4

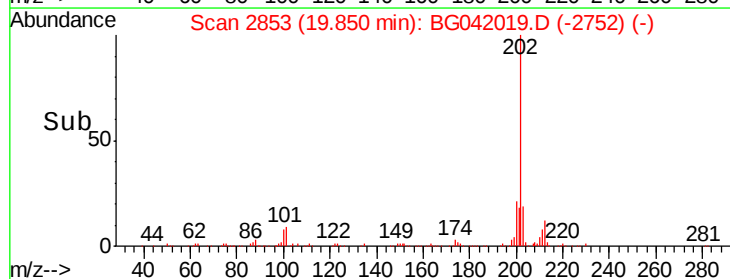
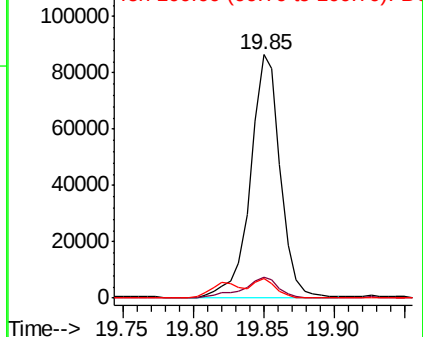
100 7.9 6.5 9.7

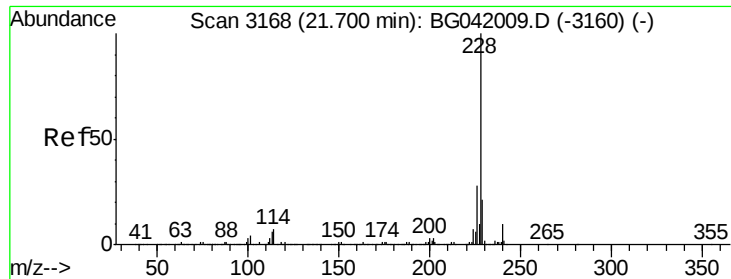


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 2.492 ng/ul

RT: 21.70 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG042019.D

Acq: 7 Aug 2019 5:20

Instrument :

BNA_G

ClientSampleId :

BENY6

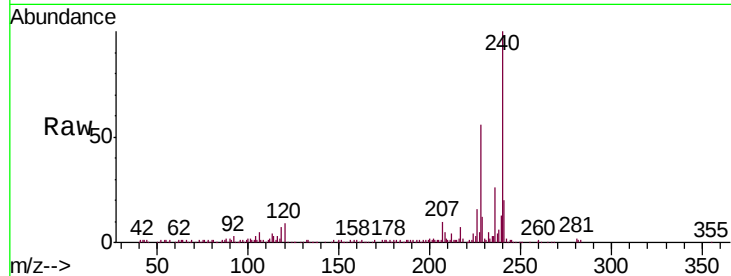
Tgt Ion:228 Resp: 83690

Ion Ratio Lower Upper

228 100

229 21.2 17.0 25.6

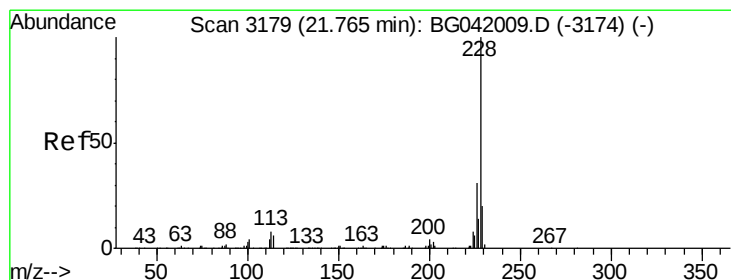
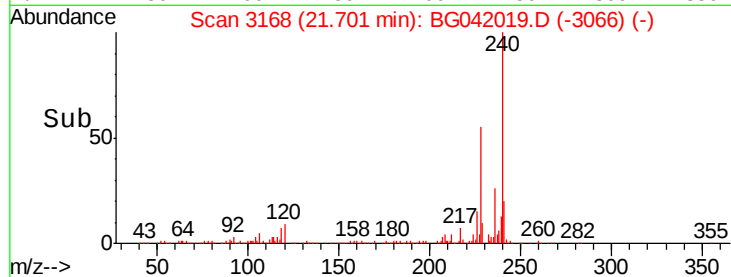
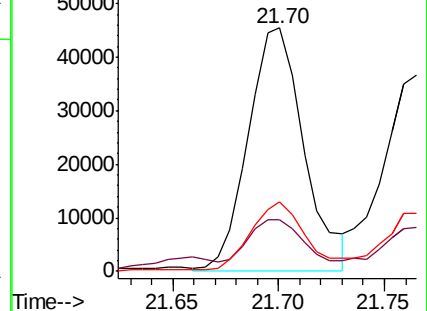
226 28.4 23.3 34.9



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: 2.160 ng/ul

RT: 21.77 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BG042019.D

Acq: 7 Aug 2019 5:20

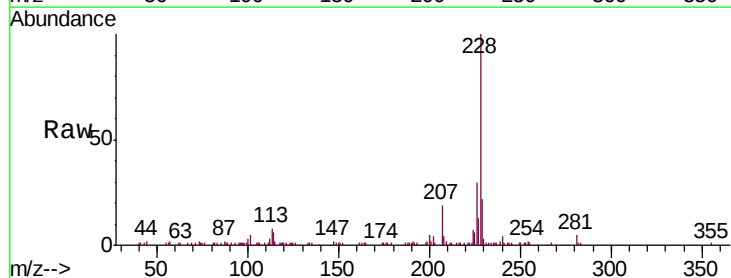
Tgt Ion:228 Resp: 67722

Ion Ratio Lower Upper

228 100

226 29.8 25.7 38.5

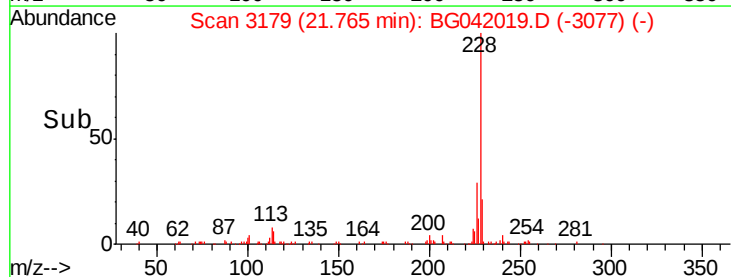
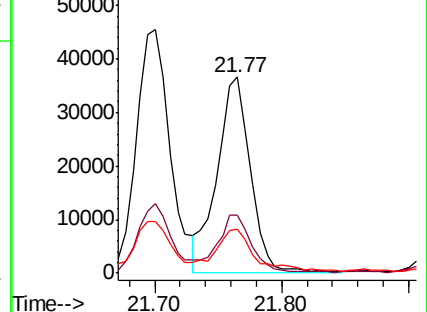
229 22.2 16.6 24.8

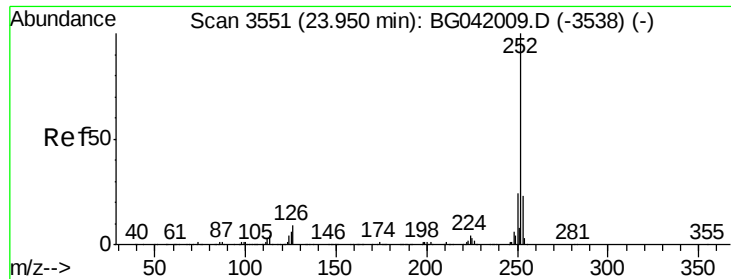


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 2.154 ng/ul

RT: 23.95 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BG042019.D

Acq: 7 Aug 2019 5:20

Instrument :

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BENY6

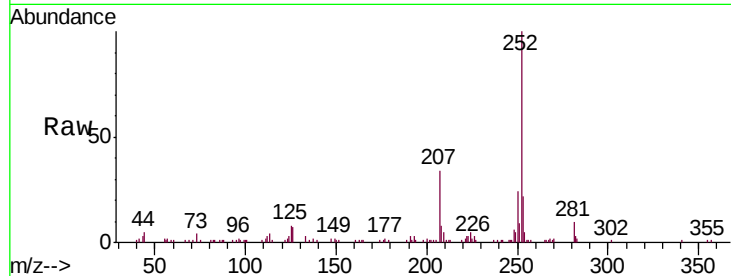
Tgt Ion:252 Resp: 76020

Ion Ratio Lower Upper

252 100

253 21.9 18.4 27.6

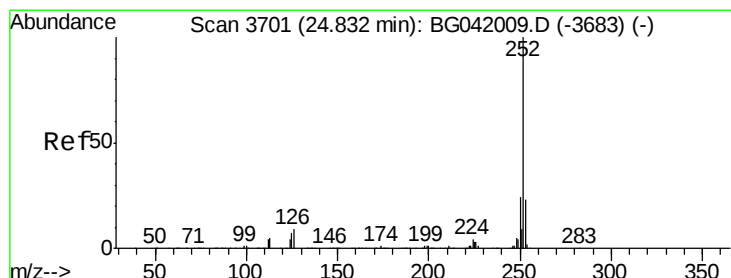
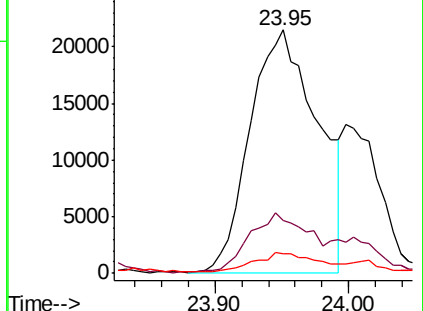
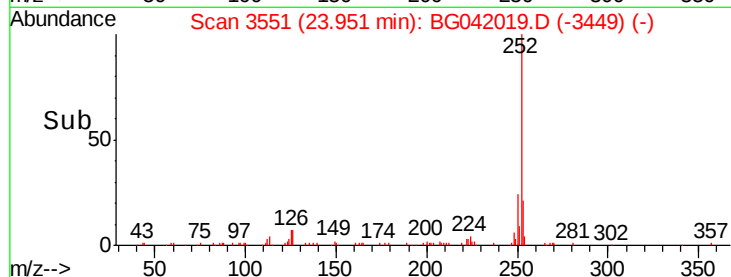
125 8.3 5.8 8.8



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: 1.618 ng/ul

RT: 24.83 min Scan# 3700

Delta R.T. -0.01 min

Lab File: BG042019.D

Acq: 7 Aug 2019 5:20

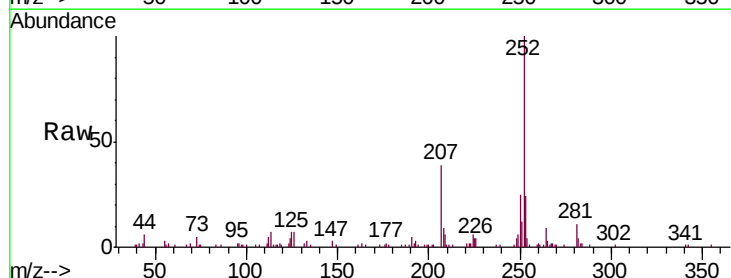
Tgt Ion:252 Resp: 54413

Ion Ratio Lower Upper

252 100

253 23.5 18.3 27.5

125 7.5 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

