

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047426.D
 Acq On : 24 Nov 2020 00:25
 Operator : CG/JU
 Sample : L4749-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B71

Quant Time: Nov 24 02:10:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 24 00:48:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	49051	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	187746	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.88	164	132579	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.72	188	231842	20.00	ng/ul	0.10
78) Chrysene-d12	21.91	240	231991	20.00	ng/ul	0.00
86) Perylene-d12	25.32	264	258315	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	1938	1.44	ng/uL	0.00
5) Phenol-d5	7.40	99	62447	12.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.58	67	33360	11.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	43409	13.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	46465	12.29	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	23306	15.03	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	26454	15.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	58328	15.06	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	44750	11.42	ng/ul	-0.01
44) Dimethylphthalate-d6	14.28	166	175911	15.46	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	207905	15.81	ng/ul	0.00
52) 4-Nitrophenol-d4	15.05	143	22191	12.78	ng/ul	0.00
58) Fluorene-d10	15.87	176	158932	15.24	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.01	200	239	0.18	ng/ul	0.04
71) Anthracene-d10	17.72	188	231842	20.16	ng/ul	0.00
79) Pyrene-d10	19.99	212	241279	17.87	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.10	264	248620	16.72	ng/ul	0.02

Target Compounds

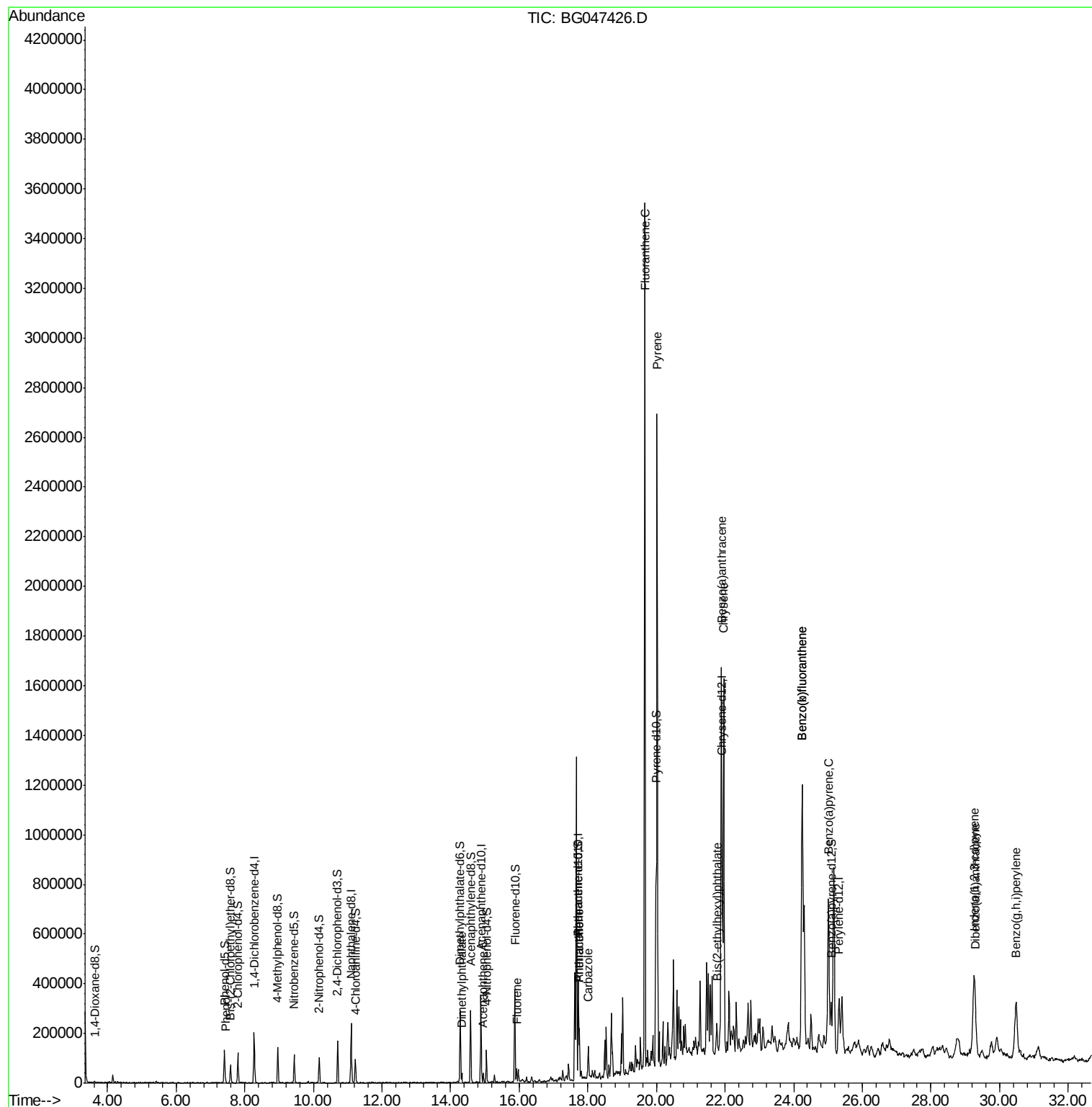
					Ovalue	
6) Phenol	7.44	94	8441	1.791	ng/ul#	73
45) Dimethylphthalate	14.33	163	23758	2.046	ng/ul	99
50) Acenaphthene	14.95	153	15603	1.820	ng/ul#	86
59) Fluorene	15.92	166	25325	2.387	ng/ul	88
70) Phenanthrene	17.75	178	137356	10.971	ng/ul	97
72) Anthracene	17.75	178	133837	10.615	ng/ul	95
75) Carbazole	18.02	167	76648	7.536	ng/ul	96
77) Fluoranthene	19.66	202	2252468	142.456	ng/ul	99
80) Pvrene	20.02	202	1816423	110.534	ng/ul	99
83) Benzo(a)anthracene	21.89	228	1049621	63.588	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.78	149	21152	2.629	ng/ul#	92
85) Chrysene	21.96	228	1190413	75.783	ng/ul	95
88) Benzo(b)fluoranthene	24.25	252	1605404	88.023	ng/ul	95
89) Benzo(k)fluoranthene	24.25	252	1605404	89.321	ng/ul	99
91) Benzo(a)pyrene	25.01	252	756193	46.510	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	29.26	276	718476	36.329	ng/ul	95
93) Dibenzo(a,h)anthracene	29.30	278	98325	6.064	ng/ul#	97
94) Benzo(g,h,i)perylene	30.48	276	587356	35.993	ng/ul#	96

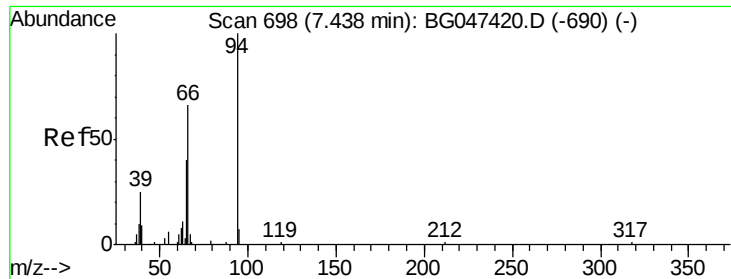
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.791 ng/ul

RT: 7.44 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

Instrument :

BNA_G

ClientSampleId :

C0B71

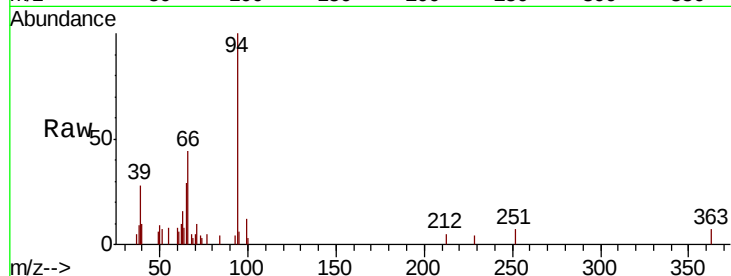
Tot Ion: 94 Resp: 8441

Ion Ratio Lower Upper

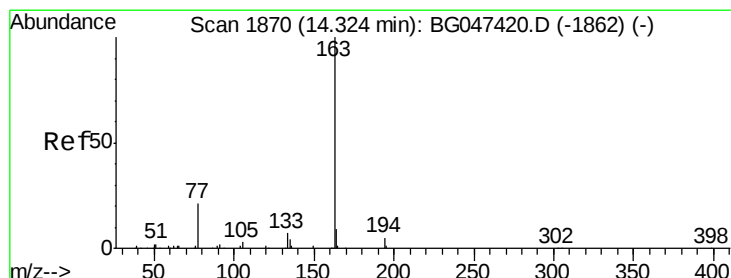
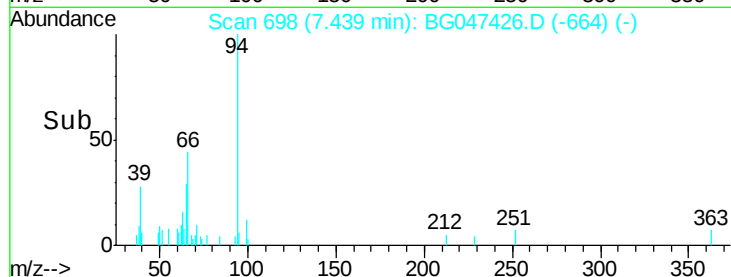
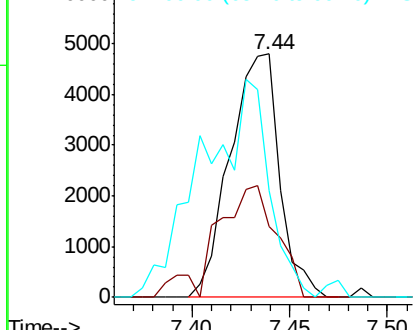
94 100

65 29.2 37.8 56.8#

66 43.9 51.6 77.4#



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



#45

Dimethylphthalate

Concen: 2.046 ng/ul

RT: 14.33 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

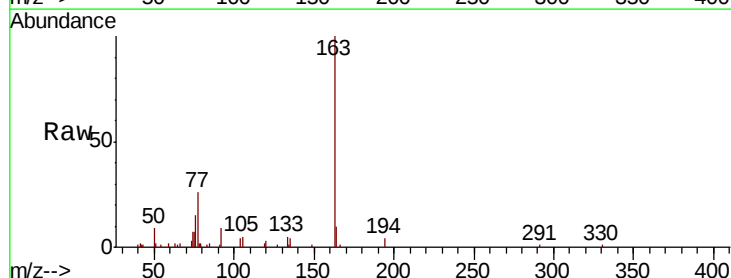
Tgt Ion:163 Resp: 23758

Ion Ratio Lower Upper

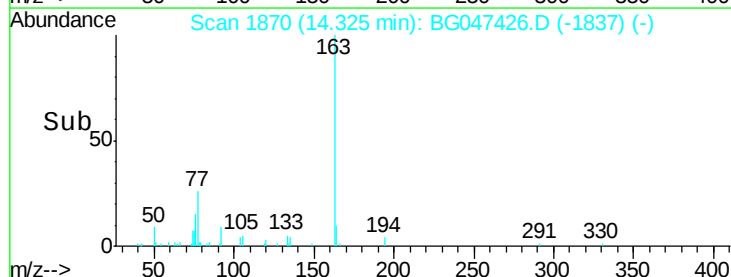
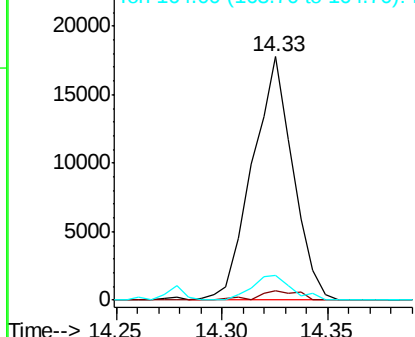
163 100

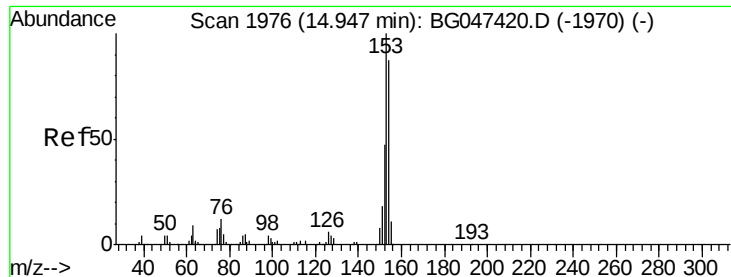
194 3.7 3.6 5.4

164 10.4 8.5 12.7



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: 1.820 ng/ul

RT: 14.95 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

Instrument :

BNA_G

ClientSampleId :

C0B71

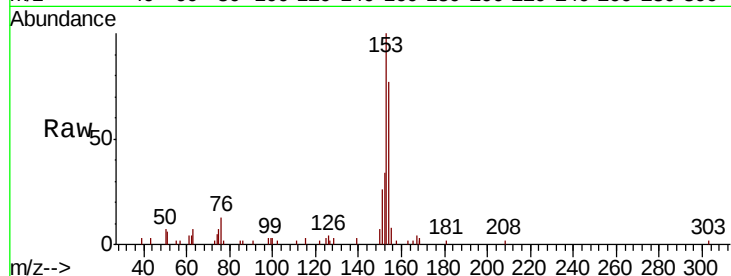
Tot Ion:153 Resp: 15603

Ion Ratio Lower Upper

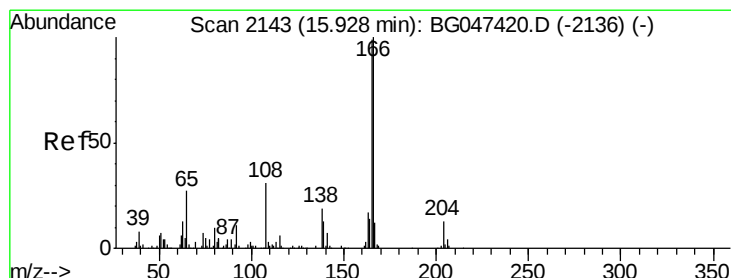
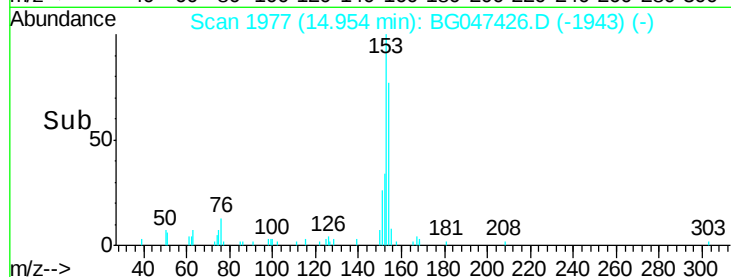
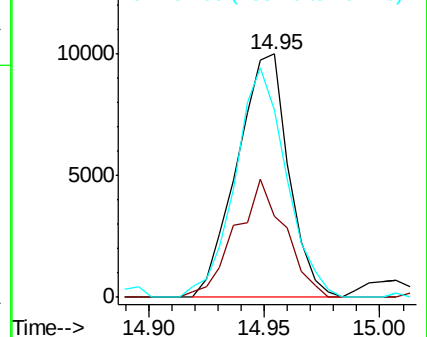
153 100

152 33.5 36.9 55.3#

154 76.9 69.7 104.5



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



#59

Fluorene

Concen: 2.387 ng/ul

RT: 15.92 min Scan# 2142

Delta R.T. -0.00 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

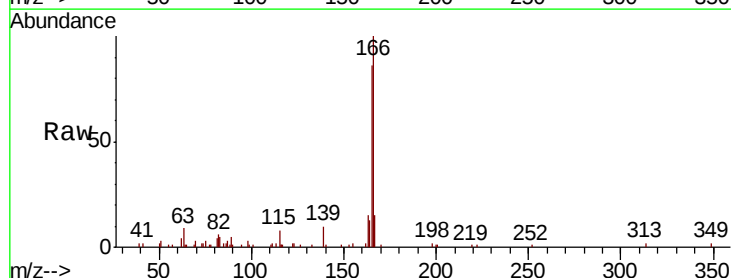
Tgt Ion:166 Resp: 25325

Ion Ratio Lower Upper

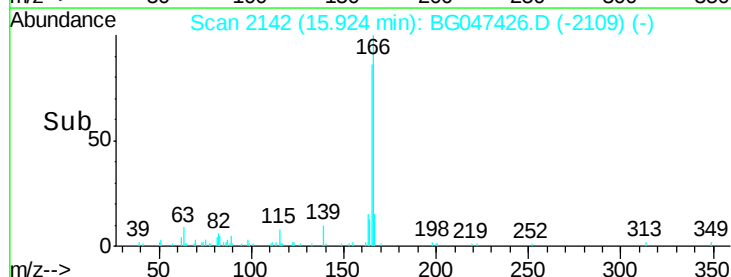
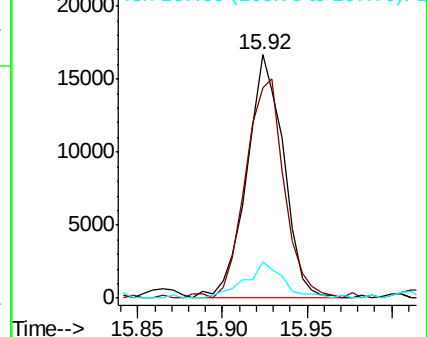
166 100

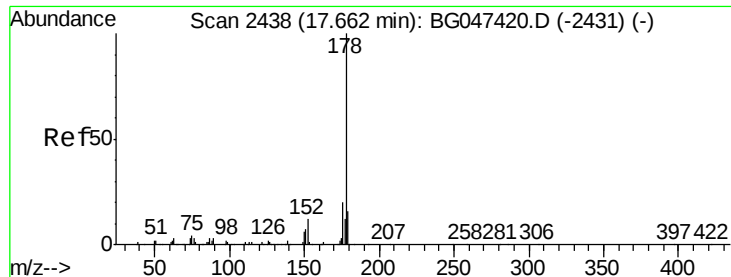
165 86.4 79.8 119.6

167 14.9 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





#70

Phenanthrene

Concen: 10.971 ng/ul

RT: 17.75 min Scan# 2453

Delta R.T. 0.08 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

Instrument :

BNA_G

ClientSampleId :

C0B71

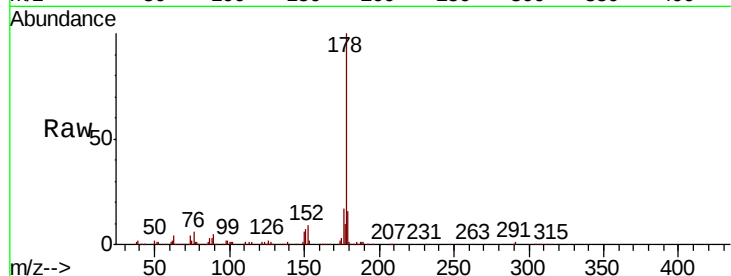
Tot Ion:178 Resp: 137356

Ion Ratio Lower Upper

178 100

179 16.1 11.8 17.6

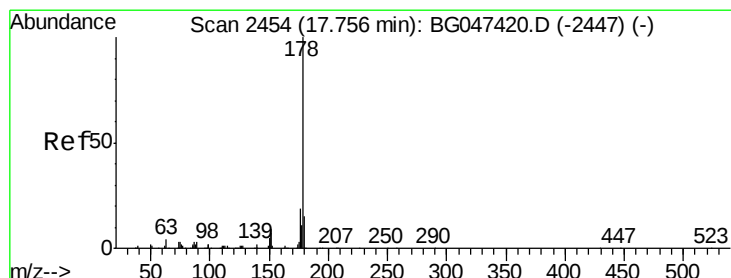
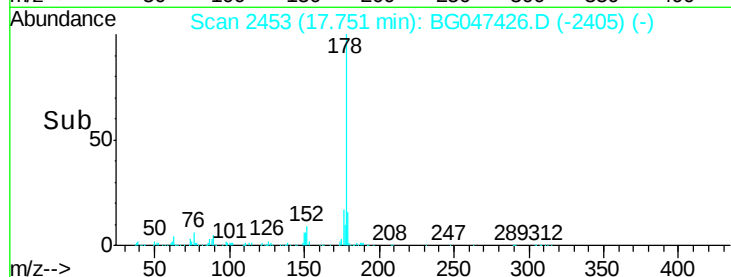
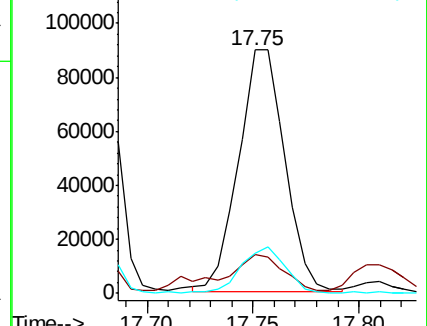
176 16.6 13.9 20.9



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



#72

Anthracene

Concen: 10.615 ng/ul

RT: 17.75 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

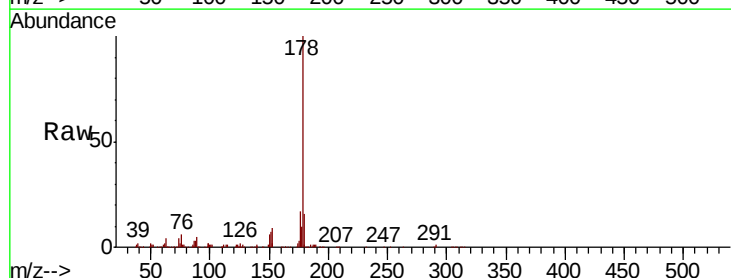
Tgt Ion:178 Resp: 133837

Ion Ratio Lower Upper

178 100

179 16.1 11.7 17.5

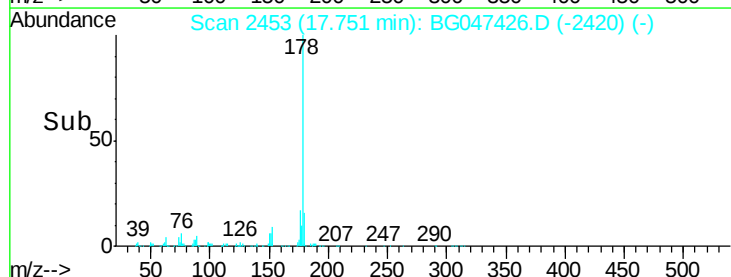
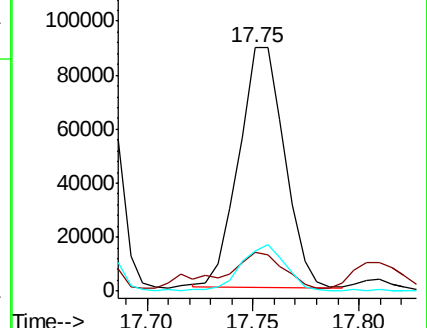
176 16.6 15.4 23.0

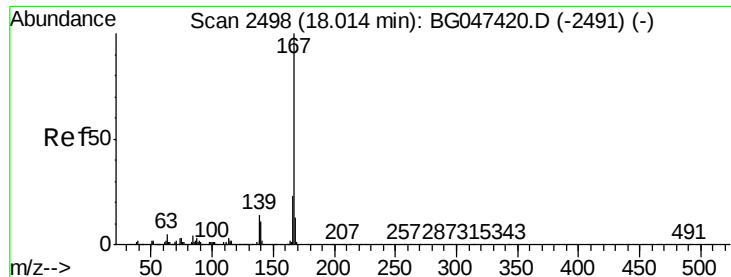


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 7.536 ng/ul

RT: 18.02 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

Instrument :

BNA_G

ClientSampleId :

C0B71

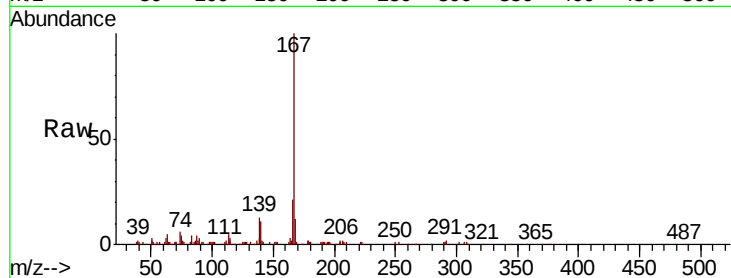
Tot Ion:167 Resp: 76648

Ion Ratio Lower Upper

167 100

166 21.3 19.2 28.8

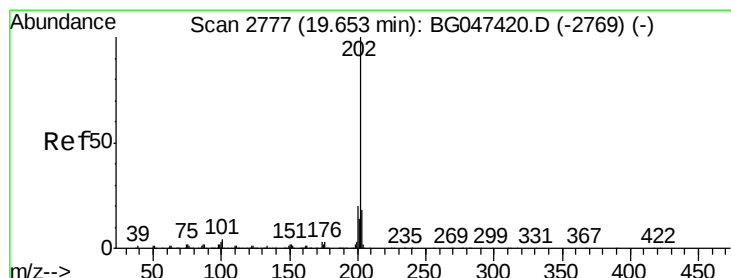
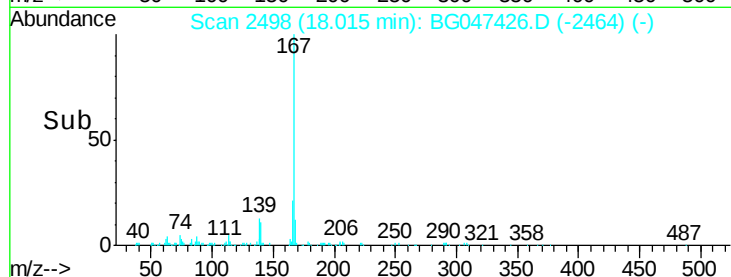
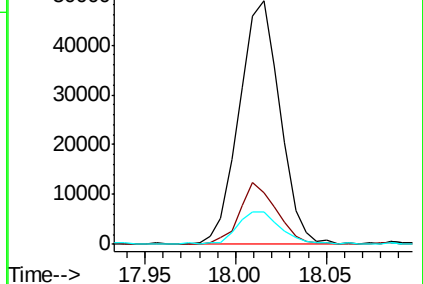
139 13.5 10.0 15.0



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: 142.456 ng/ul

RT: 19.66 min Scan# 2778

Delta R.T. 0.01 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

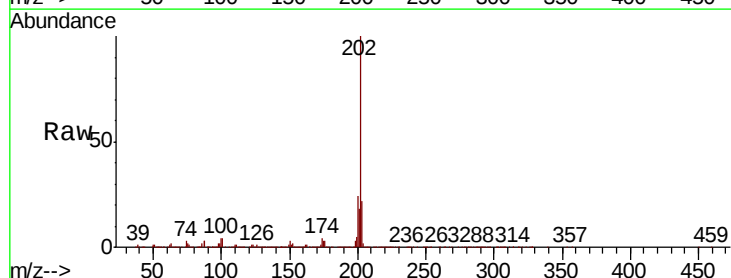
Tgt Ion:202 Resp: 2252468

Ion Ratio Lower Upper

202 100

101 4.2 3.0 4.6

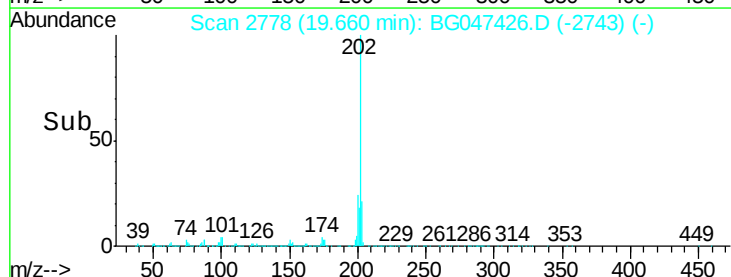
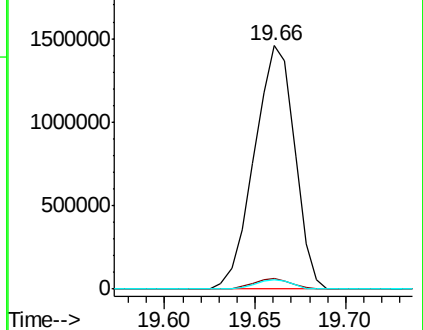
100 4.0 3.0 4.6

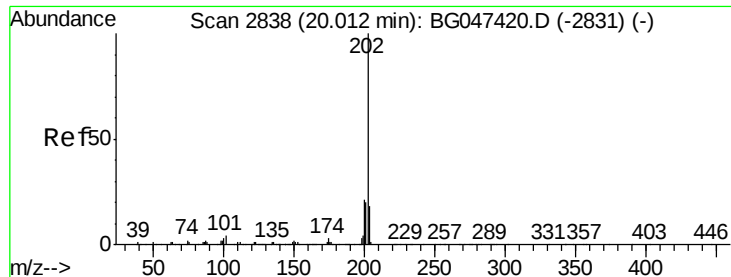


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Pvrene

Concen: 110.534 ng/ul

RT: 20.02 min Scan# 2839

Delta R.T. 0.01 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

Instrument :

BNA_G

ClientSampleId :

C0B71

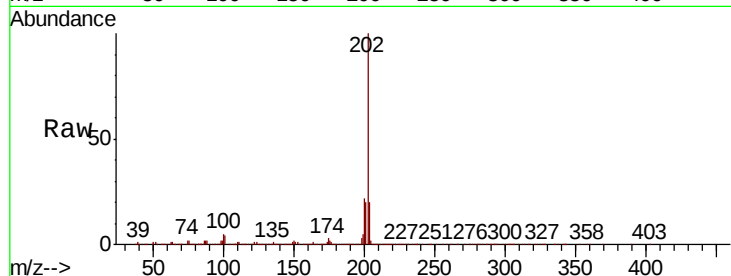
Tot Ion:202 Resp: 1816423

Ion Ratio Lower Upper

202 100

101 4.3 3.5 5.3

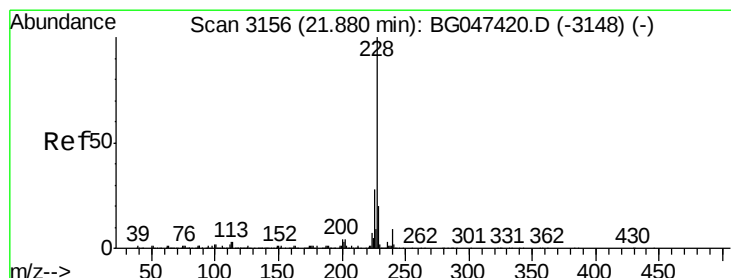
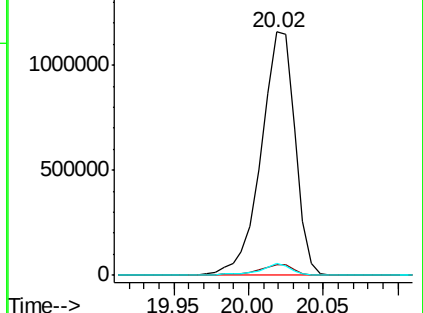
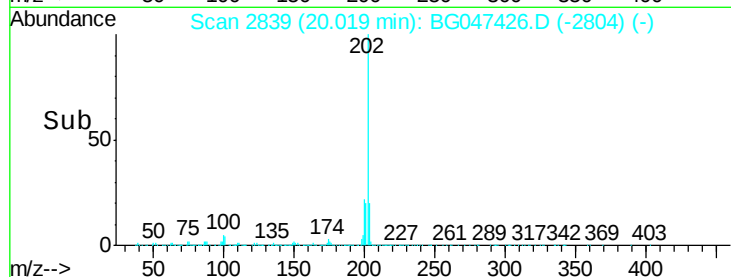
100 4.8 3.4 5.0



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



#83

Benzo(a)anthracene

Concen: 63.588 ng/ul

RT: 21.89 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

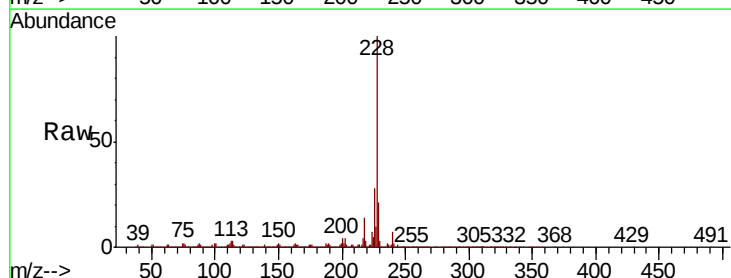
Tgt Ion:228 Resp: 1049621

Ion Ratio Lower Upper

228 100

229 20.6 15.6 23.4

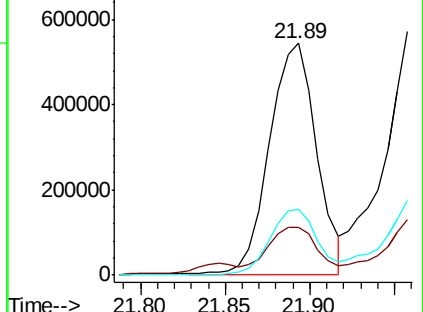
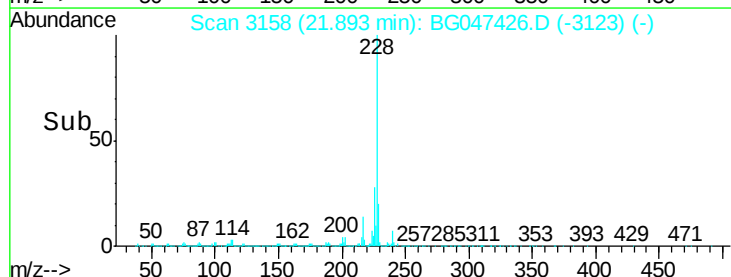
226 28.1 21.7 32.5

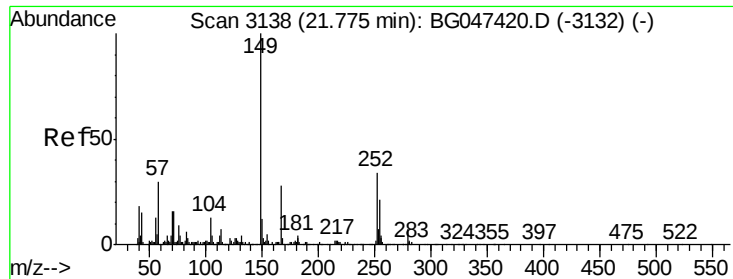


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.629 ng/ul

RT: 21.78 min Scan# 3138

Delta R.T. 0.00 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

Instrument :

BNA_G

ClientSampleId :

C0B71

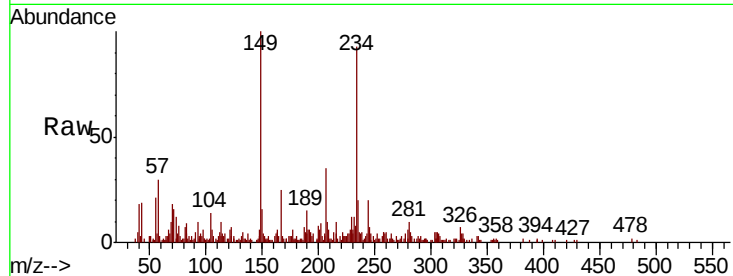
Tot Ion:149 Resp: 21152

Ion Ratio Lower Upper

149 100

167 24.9 23.4 35.2

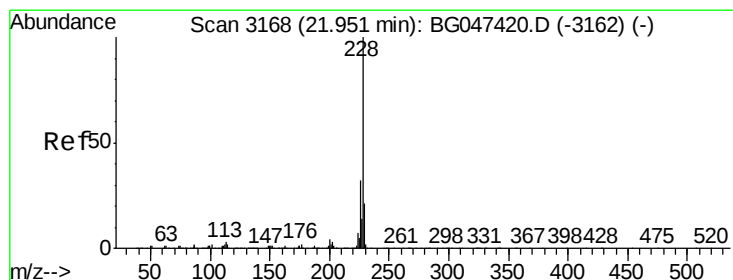
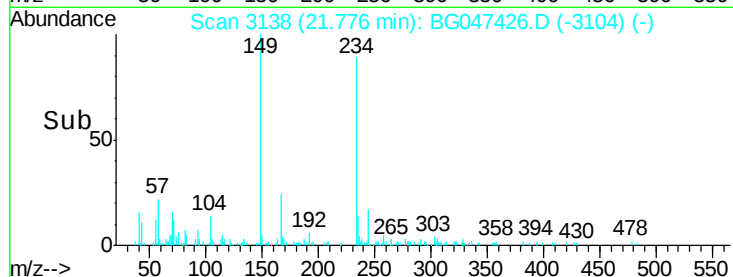
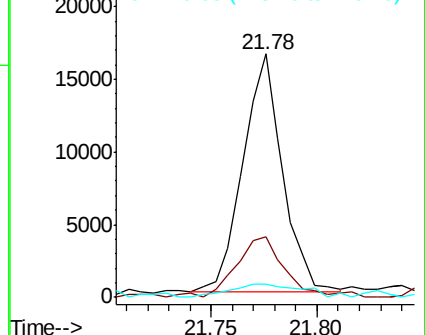
279 5.6 5.9 8.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 75.783 ng/ul

RT: 21.96 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

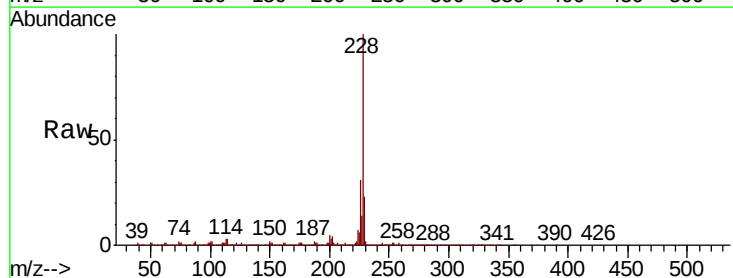
Tgt Ion:228 Resp: 1190413

Ion Ratio Lower Upper

228 100

226 30.7 22.3 33.5

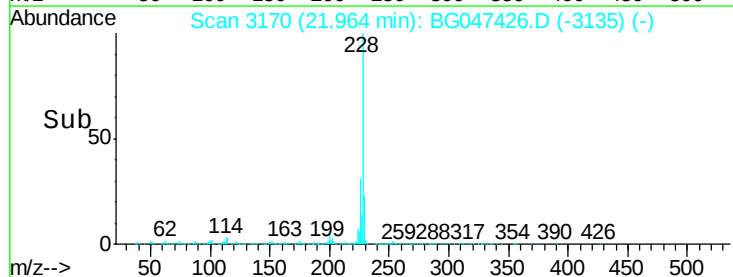
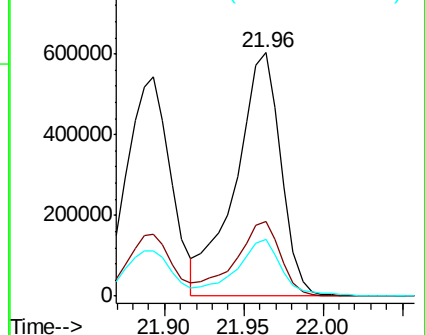
229 23.1 16.5 24.7

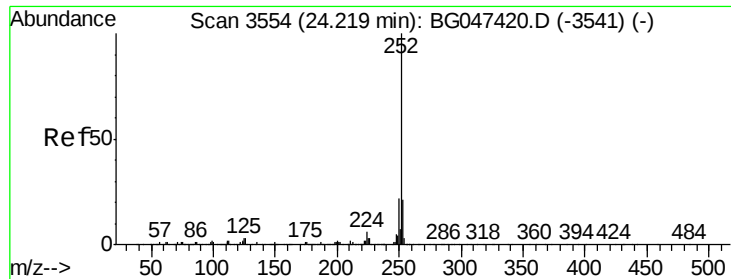


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 88.023 ng/ul

RT: 24.25 min Scan# 3559

Delta R.T. 0.02 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

Instrument :

BNA_G

ClientSampleId :

C0B71

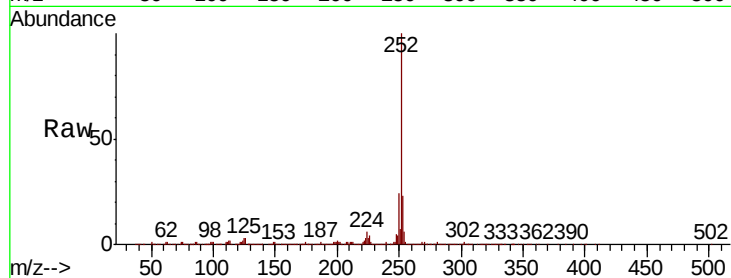
Tot Ion:252 Resp: 1605404

Ion Ratio Lower Upper

252 100

253 23.2 16.6 25.0

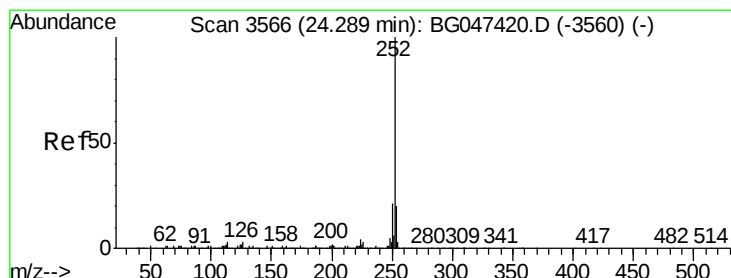
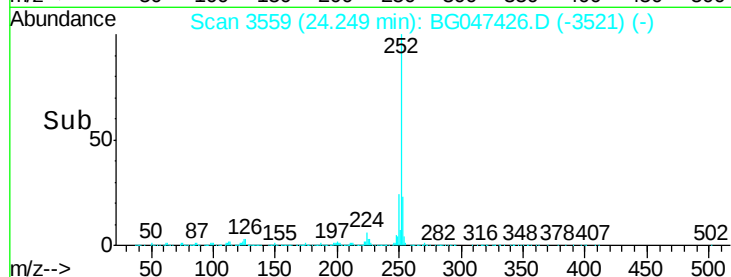
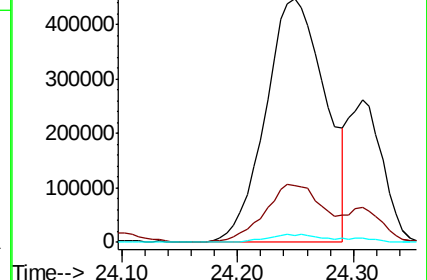
125 2.7 2.7 4.1



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



#89

Benzo(k)fluoranthene

Concen: 89.321 ng/ul

RT: 24.25 min Scan# 3559

Delta R.T. -0.05 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

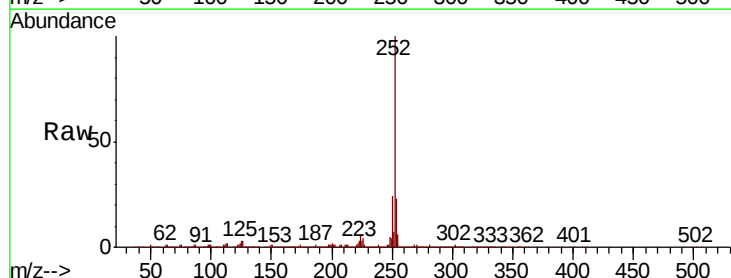
Tgt Ion:252 Resp: 1605404

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.4

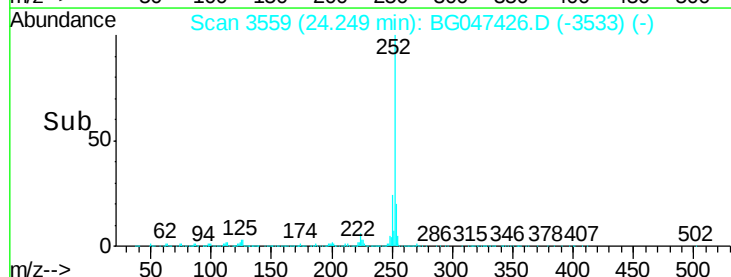
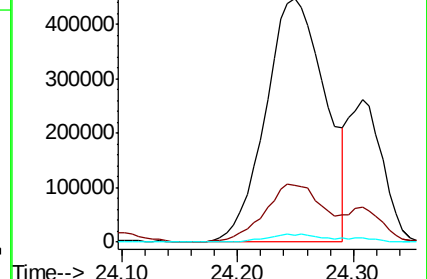
125 2.7 2.2 3.2

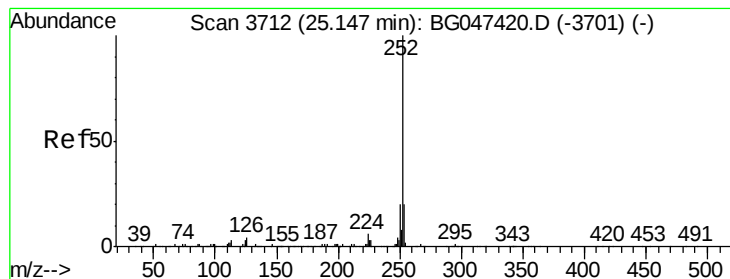


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 46.510 ng/ul

RT: 25.01 min Scan# 3689

Delta R.T. -0.13 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

Instrument :

BNA_G

ClientSampleId :

C0B71

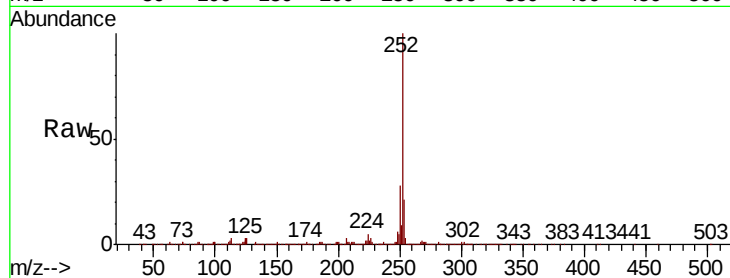
Tot Ion:252 Resp: 756193

Ion Ratio Lower Upper

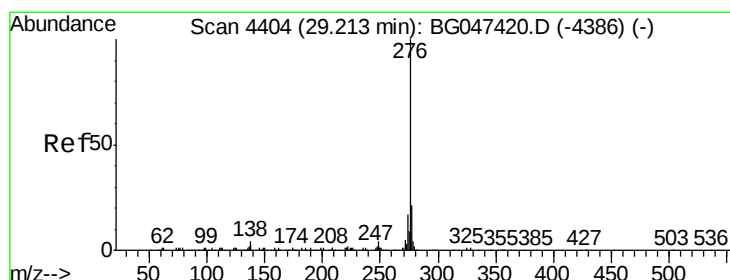
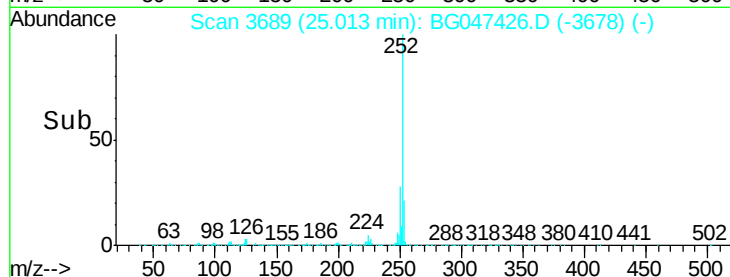
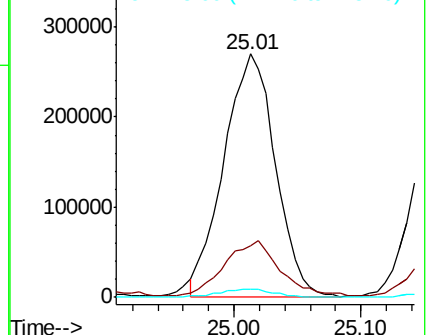
252 100

253 21.5 18.6 27.8

125 3.4 3.1 4.7



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 36.329 ng/ul

RT: 29.26 min Scan# 4412

Delta R.T. 0.04 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

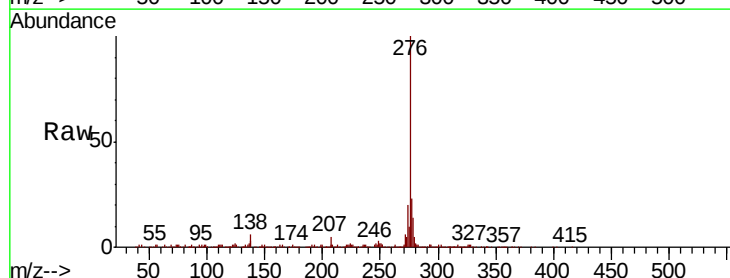
Tgt Ion:276 Resp: 718476

Ion Ratio Lower Upper

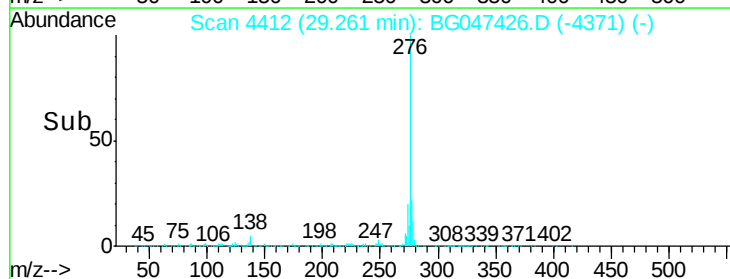
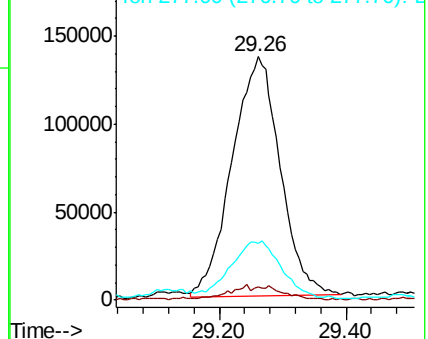
276 100

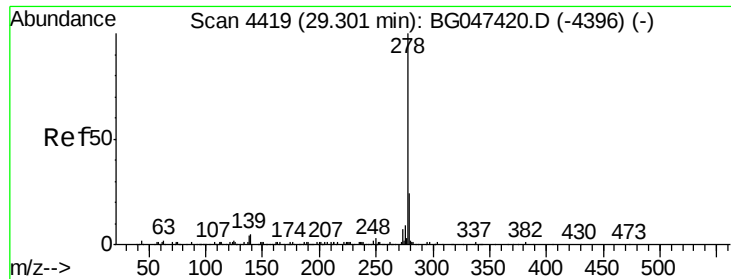
138 5.6 5.0 7.6

277 23.5 16.5 24.7



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





#93

Dibenzo(a,h)anthracene

Concen: 6.064 ng/ul

RT: 29.30 min Scan# 4418

Delta R.T. 0.01 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

Instrument :

BNA_G

ClientSampleId :

C0B71

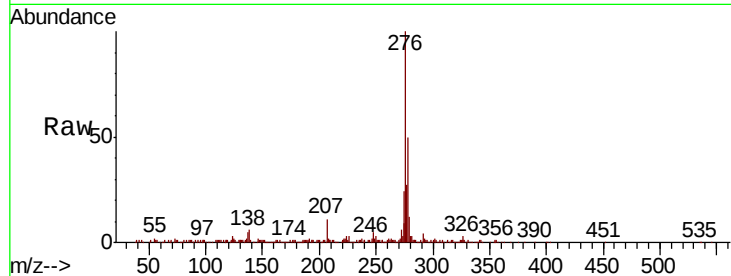
Tot Ion:278 Resp: 98325

Ion Ratio Lower Upper

278 100

139 1.3 4.6 7.0#

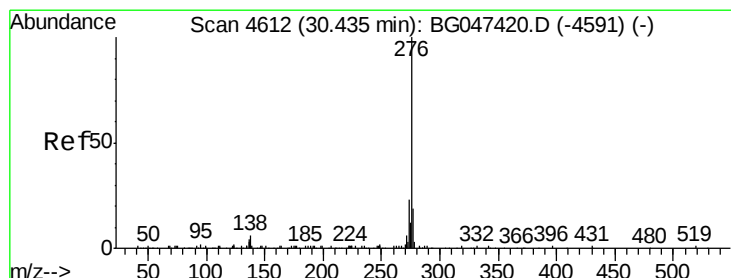
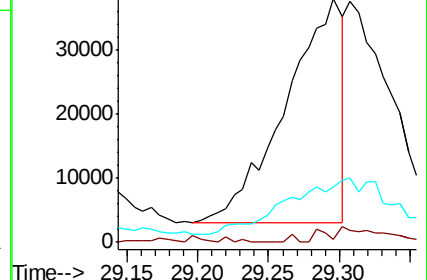
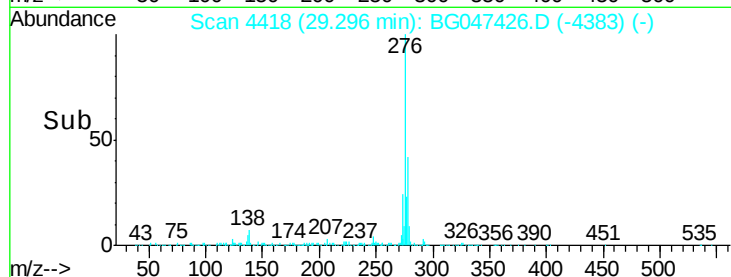
279 23.0 18.2 27.2



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



#94

Benzo(g,h,i)perylene

Concen: 35.993 ng/ul

RT: 30.48 min Scan# 4620

Delta R.T. 0.04 min

Lab File: BG047426.D

Acq: 24 Nov 2020 00:25

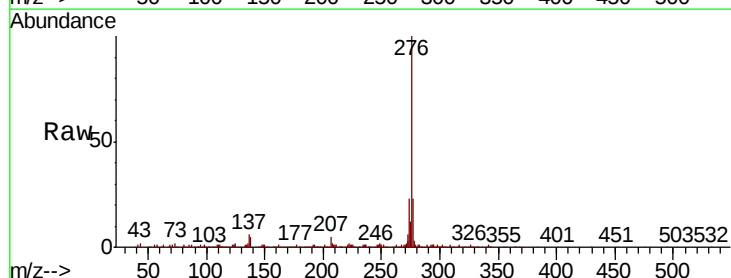
Tgt Ion:276 Resp: 587356

Ion Ratio Lower Upper

276 100

138 5.0 5.8 8.6#

277 23.2 17.4 26.2



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

