

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112020\
 Data File : BG047382.D
 Acq On : 20 Nov 2020 19:40
 Operator : CG/JU
 Sample : L4711-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B33

Quant Time: Nov 21 01:29:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 21 01:27:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	40183	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	159826	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.88	164	120143	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	278877	20.00	ng/ul	0.00
78) Chrysene-d12	21.90	240	251087	20.00	ng/ul	0.00
86) Perylene-d12	25.30	264	271605	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.62	96	2711	2.45	ng/uL	0.00
5) Phenol-d5	7.40	99	64999	16.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	37221	16.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	46562	17.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	43456	14.03	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	23312	17.66	ng/ul	0.00
22) 2-Nitrophenol-d4	10.16	143	25626	17.79	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.71	165	54605	16.56	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	47940	14.37	ng/ul	0.00
44) Dimethylphthalate-d6	14.27	166	166645	16.16	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	206614	17.33	ng/ul	0.00
52) 4-Nitrophenol-d4	15.03	143	20460	13.00	ng/ul	0.00
58) Fluorene-d10	15.87	176	154270	16.33	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	22892	14.42	ng/ul	0.00
71) Anthracene-d10	17.72	188	241269	17.44	ng/ul	0.00
79) Pyrene-d10	19.98	212	266060	18.21	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.06	264	279903	17.90	ng/ul	0.00

Target Compounds

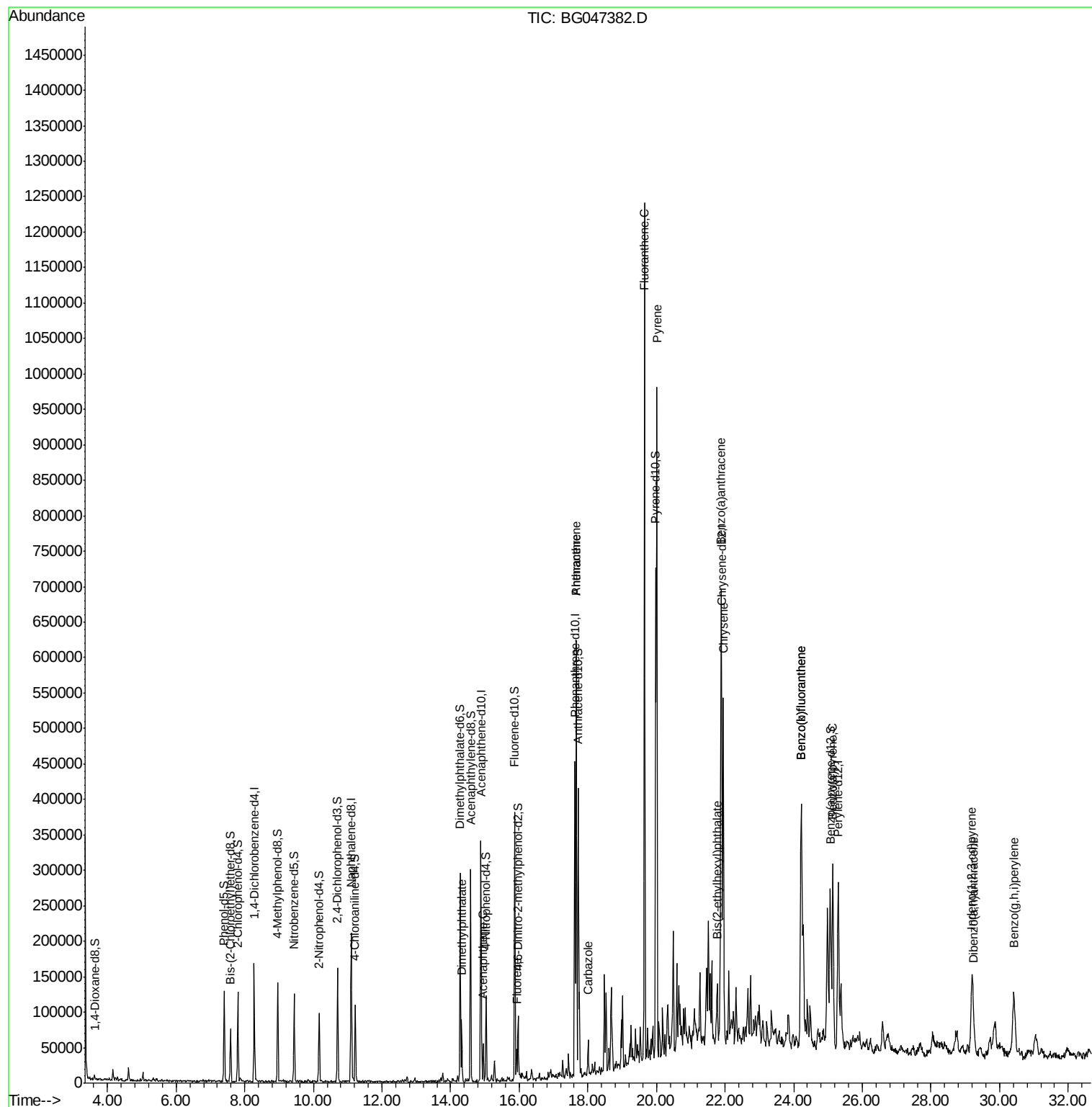
					Ovalue	
45) Dimethylphthalate	14.32	163	49610	4.716	ng/ul#	97
50) Acenaphthene	14.94	153	22133	2.848	ng/ul	88
59) Fluorene	15.92	166	17516	1.822	ng/ul	86
70) Phenanthrene	17.66	178	371234	24.651	ng/ul	99
72) Anthracene	17.66	178	371234	24.477	ng/ul	98
75) Carbazole	18.01	167	27804	2.273	ng/ul	96
77) Fluoranthene	19.65	202	783891	41.215	ng/ul	98
80) Pyrene	20.01	202	638601	35.905	ng/ul#	96
83) Benzo(a)anthracene	21.88	228	361346	20.226	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.77	149	28103	3.228	ng/ul#	96
85) Chrysene	21.95	228	375574	22.091	ng/ul	98
88) Benzo(b)fluoranthene	24.21	252	470946	24.558	ng/ul#	98
89) Benzo(k)fluoranthene	24.21	252	470946	24.920	ng/ul	97
91) Benzo(a)pyrene	25.14	252	328136	19.195	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	29.19	276	98353	4.730	ng/ul#	92
93) Dibenzo(a,h)anthracene	29.24	278	29700	1.742	ng/ul#	96
94) Benzo(g,h,i)perylene	30.42	276	196122	11.430	ng/ul	98

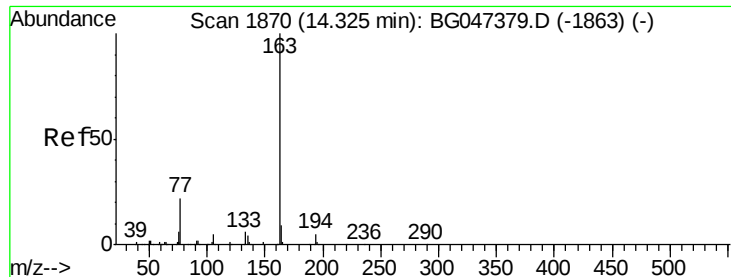
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 01:27:02 2020
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 4.716 ng/ul

RT: 14.32 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

Instrument :

BNA_G

ClientSampleId :

C0B33

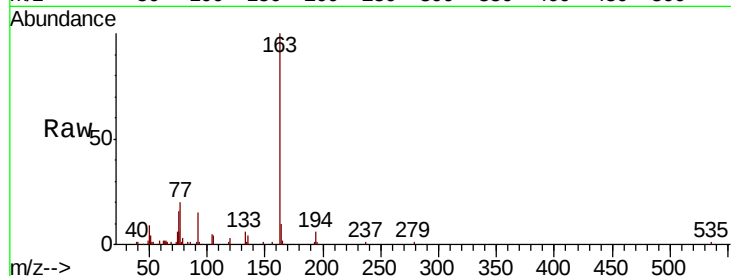
Tot Ion:163 Resp: 49610

Ion Ratio Lower Upper

163 100

194 5.9 3.4 5.2#

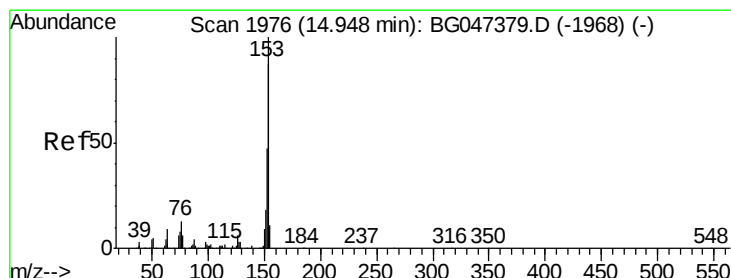
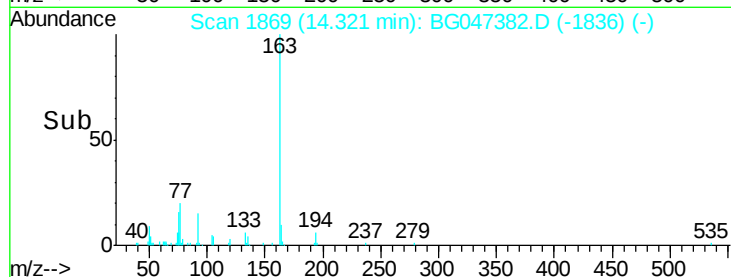
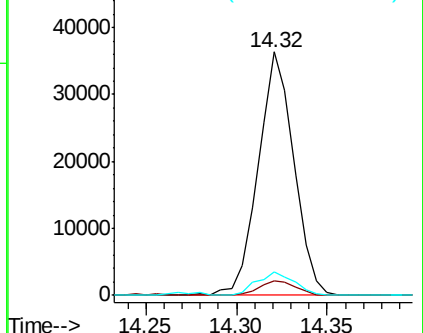
164 9.9 8.8 13.2



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: 2.848 ng/ul

RT: 14.94 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

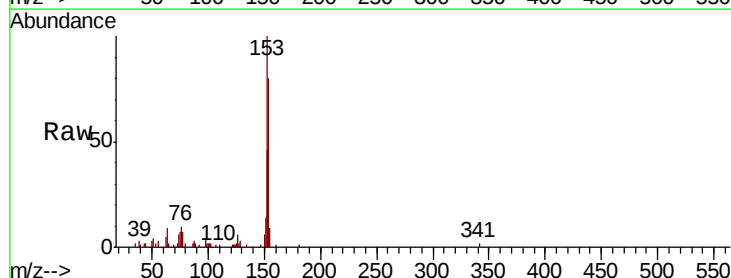
Tgt Ion:153 Resp: 22133

Ion Ratio Lower Upper

153 100

152 46.4 39.8 59.8

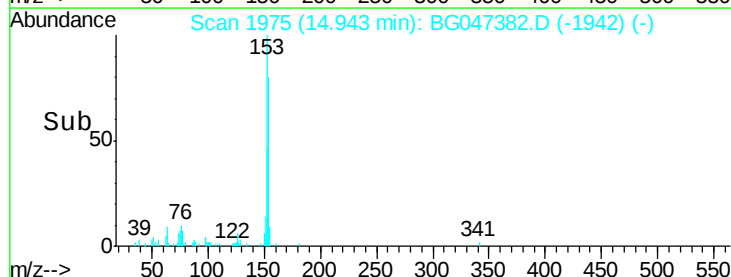
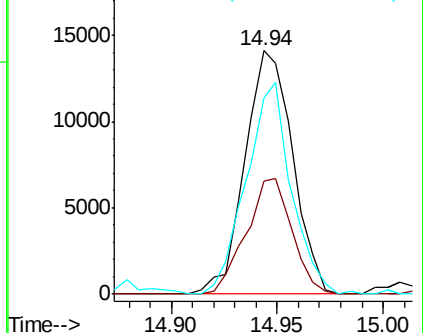
154 80.5 76.0 114.0

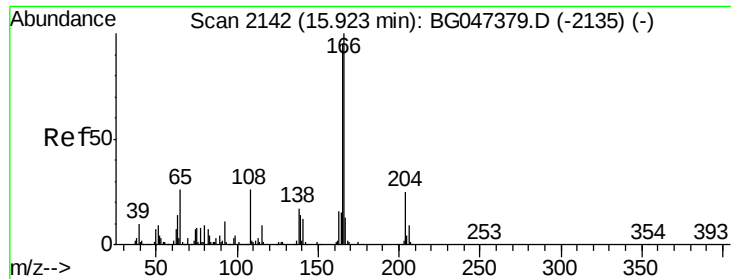


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 1.822 ng/ul

RT: 15.92 min Scan# 2142

Delta R.T. 0.00 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

Instrument :

BNA_G

ClientSampleId :

C0B33

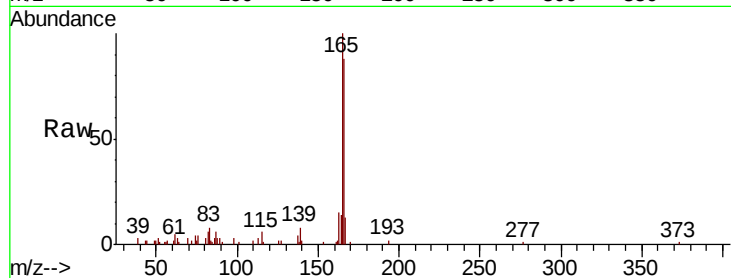
Tot Ion:166 Resp: 17516

Ion Ratio Lower Upper

166 100

165 114.2 79.0 118.4

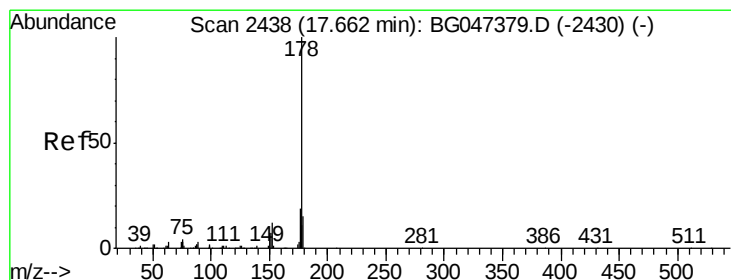
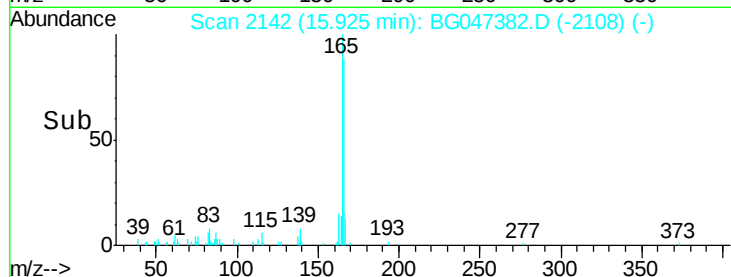
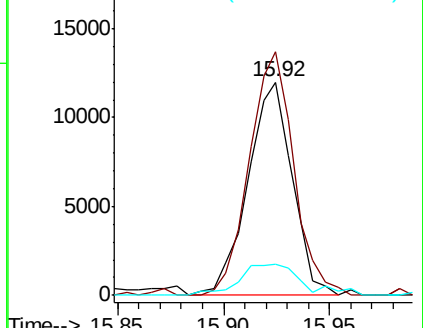
167 14.5 10.4 15.6



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: 24.651 ng/ul

RT: 17.66 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

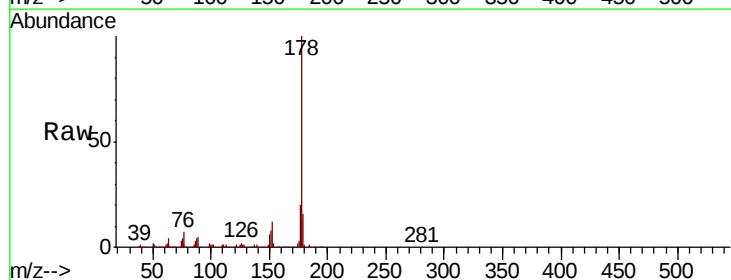
Tgt Ion:178 Resp: 371234

Ion Ratio Lower Upper

178 100

179 16.3 12.8 19.2

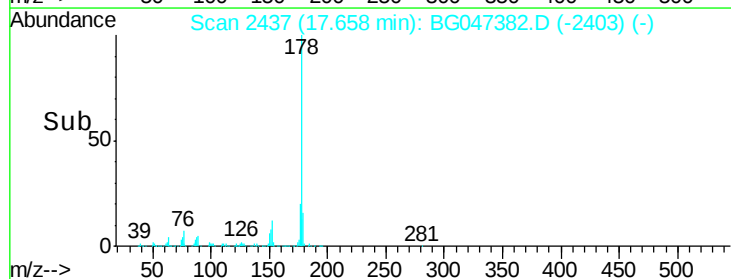
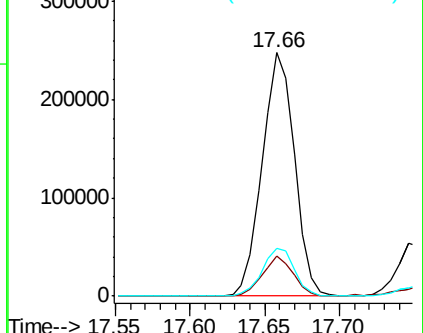
176 19.9 15.7 23.5

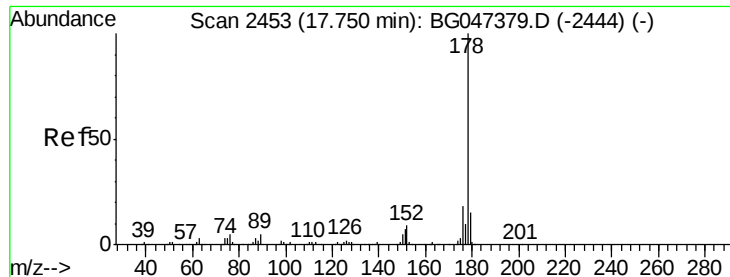


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 24.477 ng/ul

RT: 17.66 min Scan# 2437

Delta R.T. -0.09 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

Instrument :

BNA_G

ClientSampleId :

C0B33

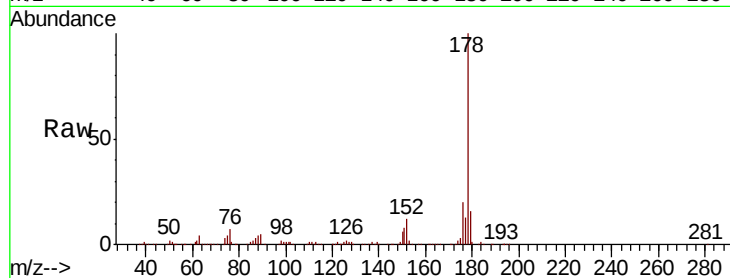
Tot Ion:178 Resp: 371234

Ion Ratio Lower Upper

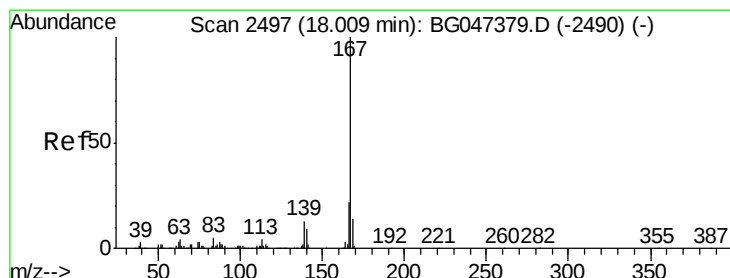
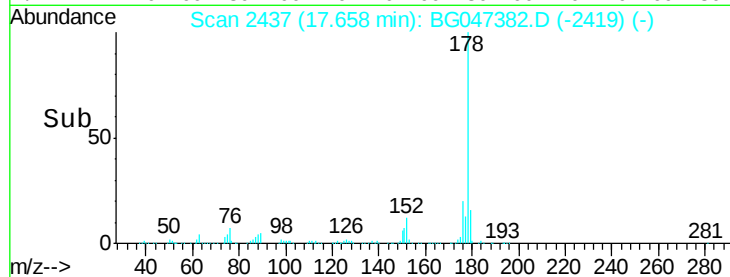
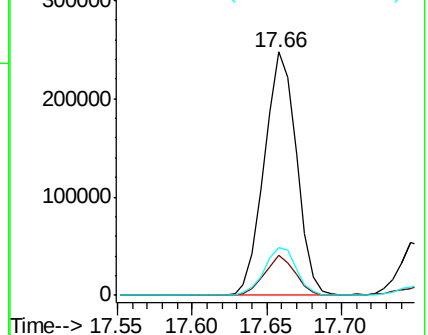
178 100

179 16.3 12.2 18.2

176 19.9 16.2 24.4



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: 2.273 ng/ul

RT: 18.01 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

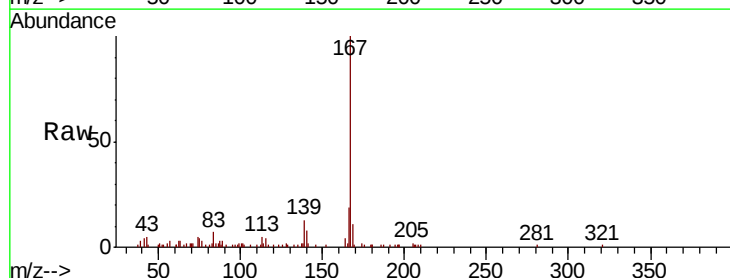
Tgt Ion:167 Resp: 27804

Ion Ratio Lower Upper

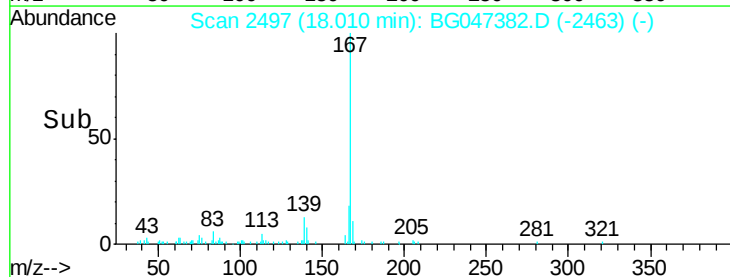
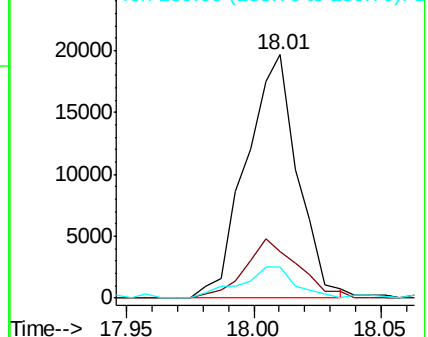
167 100

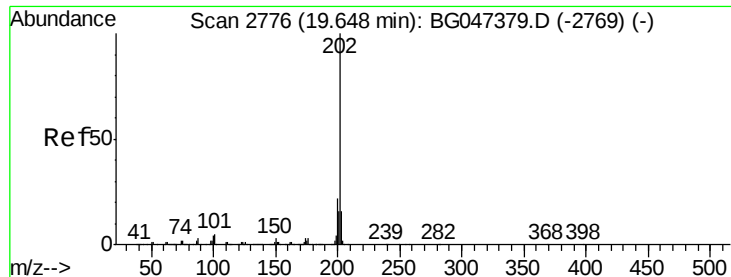
166 19.1 17.8 26.6

139 12.7 9.9 14.9



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: 41.215 ng/ul

RT: 19.65 min Scan# 2776

Delta R.T. 0.00 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

Instrument :

BNA_G

ClientSampleId :

C0B33

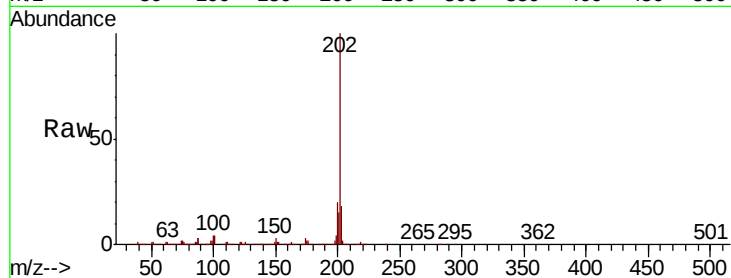
Tot Ion:202 Resp: 783891

Ion Ratio Lower Upper

202 100

101 4.5 3.3 4.9

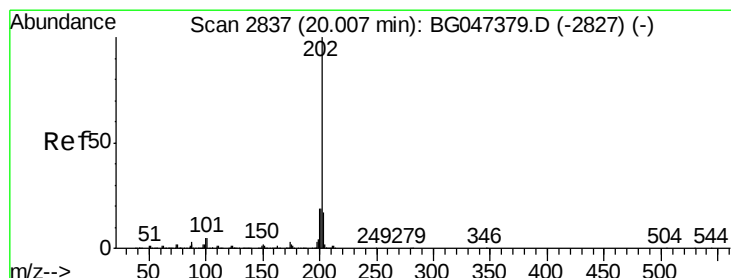
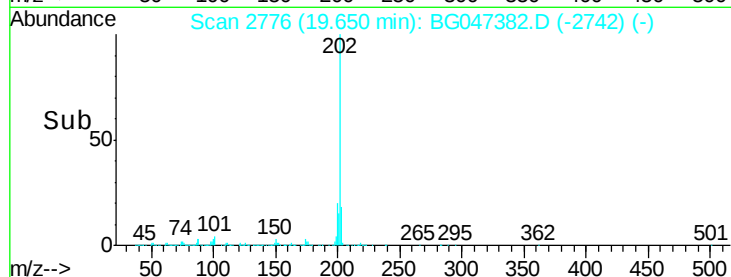
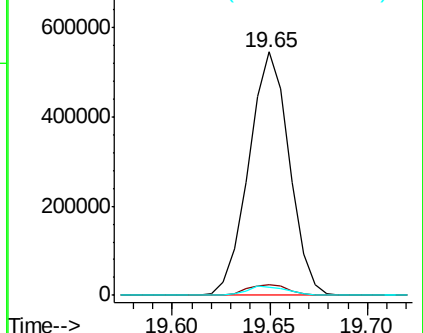
100 3.5 3.4 5.0



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): B



#80

Pyrene

Concen: 35.905 ng/ul

RT: 20.01 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

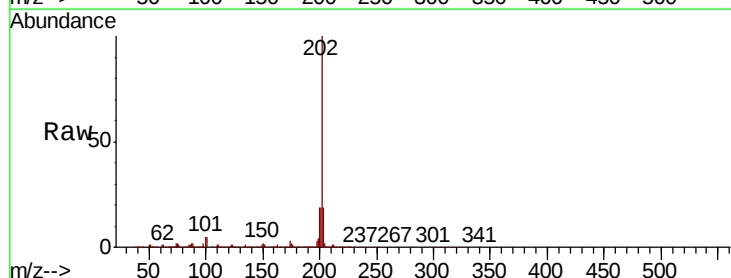
Tgt Ion:202 Resp: 638601

Ion Ratio Lower Upper

202 100

101 5.1 5.0 7.4

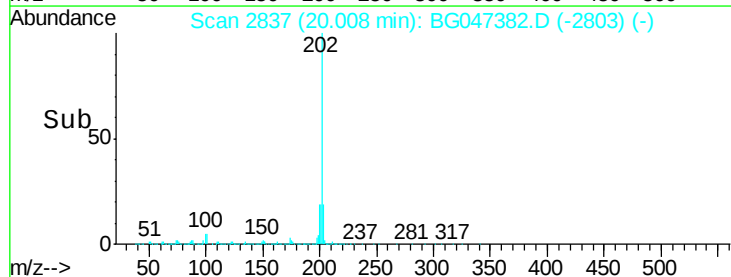
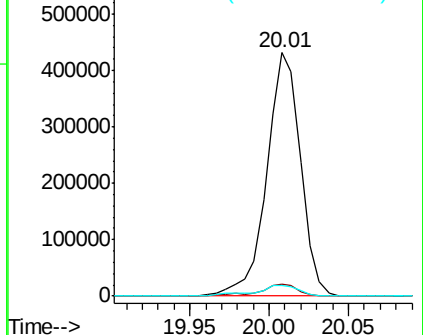
100 4.6 4.6 7.0#

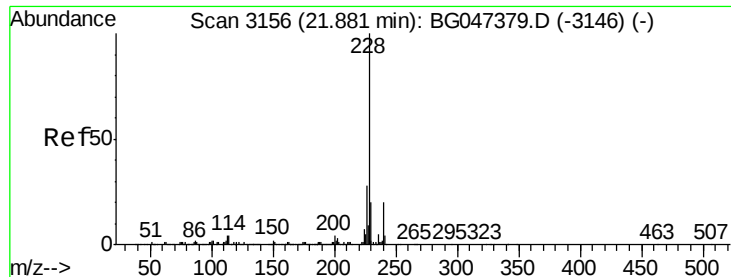


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 20.226 ng/ul

RT: 21.88 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

Instrument :

BNA_G

ClientSampled :

C0B33

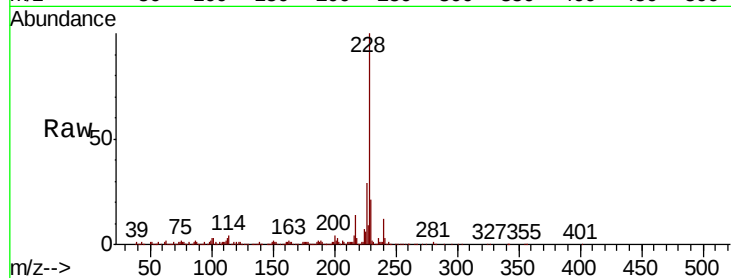
Tot Ion:228 Resp: 361346

Ion Ratio Lower Upper

228 100

229 20.6 16.2 24.2

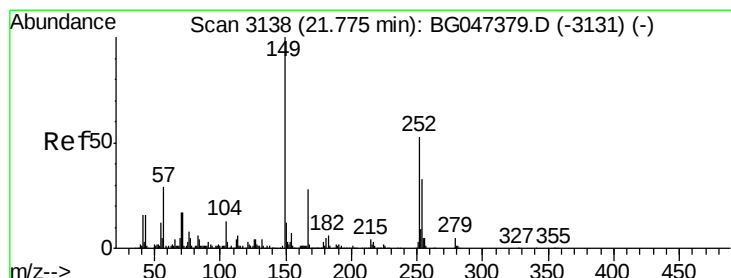
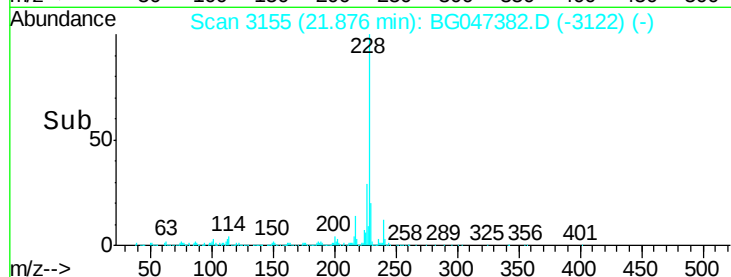
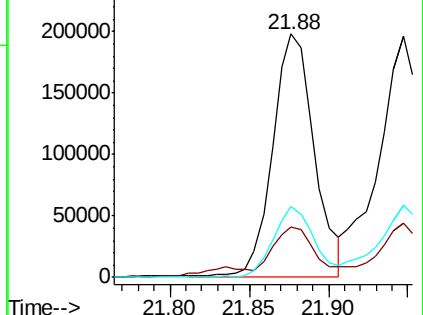
226 29.3 23.3 34.9



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

Bis(2-ethylhexyl)phthalate

Concen: 3.228 ng/ul

RT: 21.77 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

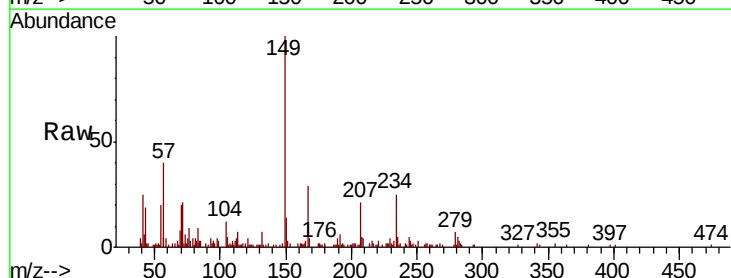
Tgt Ion:149 Resp: 28103

Ion Ratio Lower Upper

149 100

167 29.2 21.8 32.8

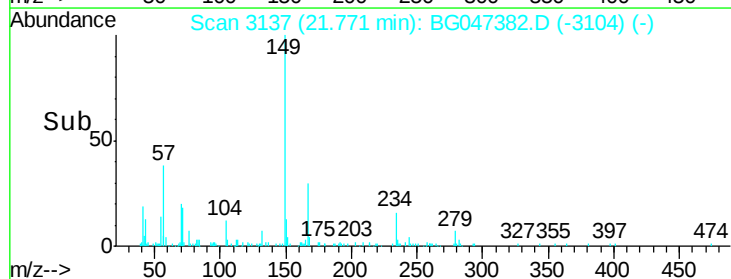
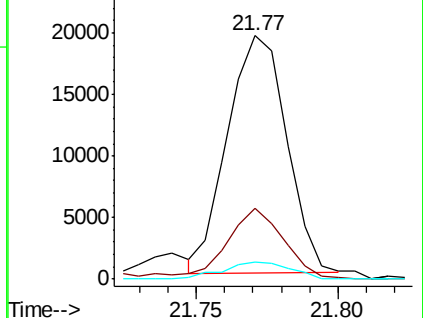
279 7.0 4.2 6.2#

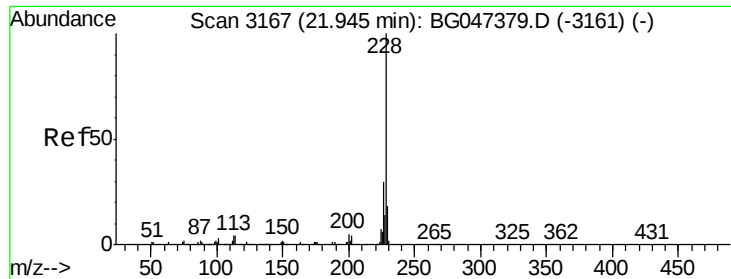


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 22.091 ng/ul

RT: 21.95 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

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C0B33

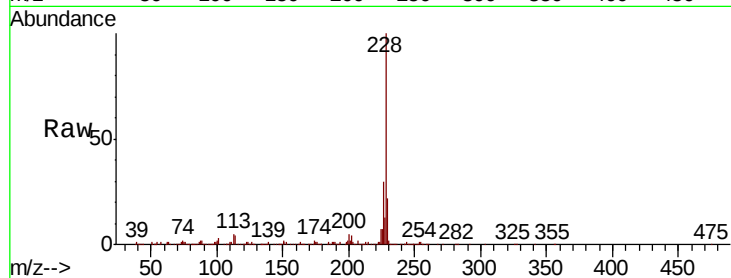
Tot Ion:228 Resp: 375574

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.6

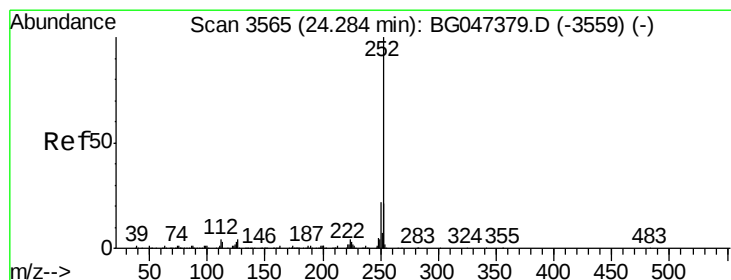
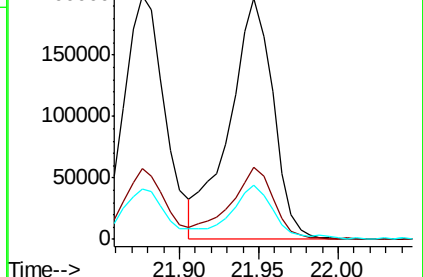
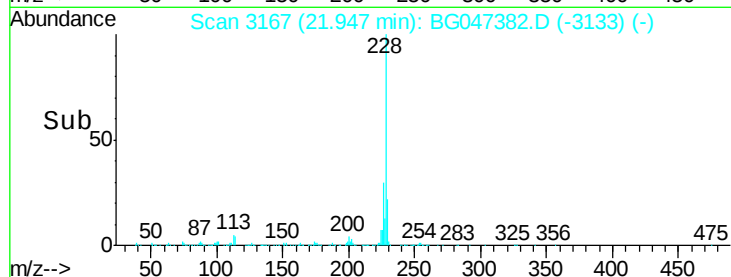
229 22.3 16.3 24.5



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: 24.558 ng/ul

RT: 24.21 min Scan# 3553

Delta R.T. 0.01 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

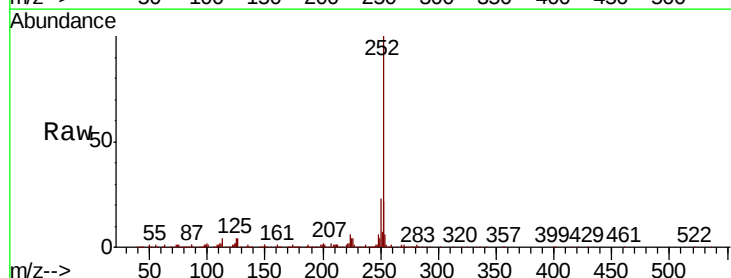
Tgt Ion:252 Resp: 470946

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

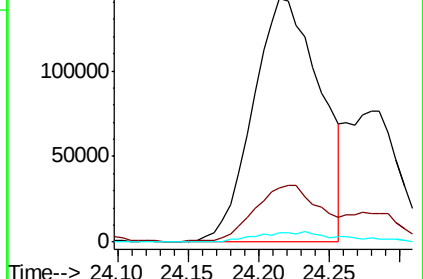
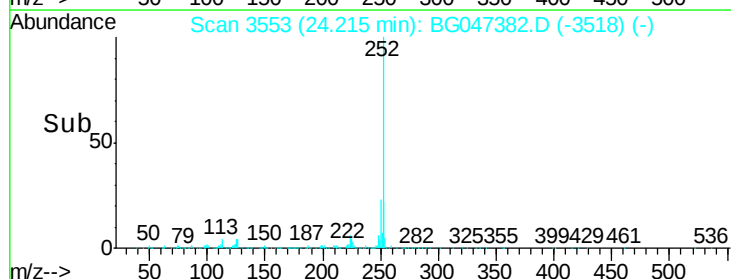
125 3.7 2.5 3.7#

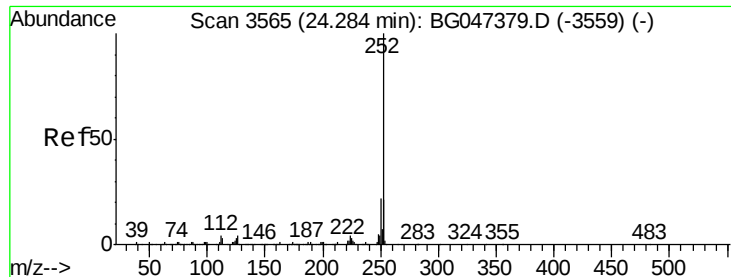


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 24.920 ng/ul

RT: 24.21 min Scan# 3553

Delta R.T. -0.07 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

Instrument :

BNA_G

ClientSampleId :

C0B33

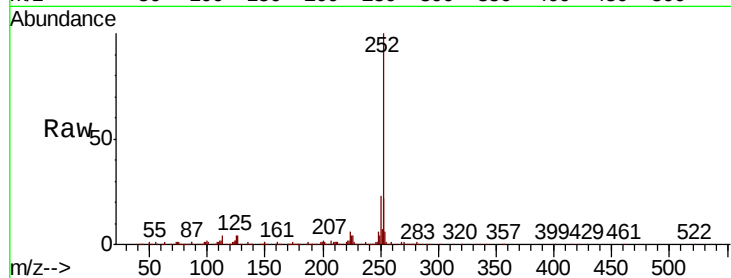
Tot Ion:252 Resp: 470946

Ion Ratio Lower Upper

252 100

253 22.2 16.7 25.1

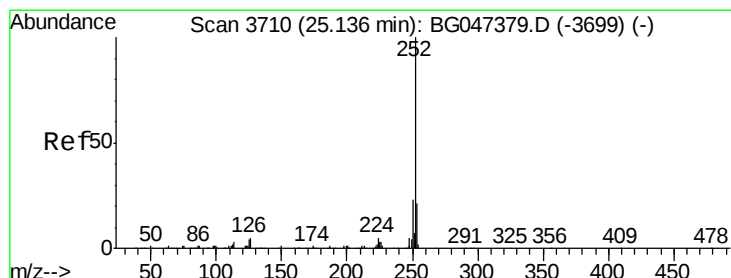
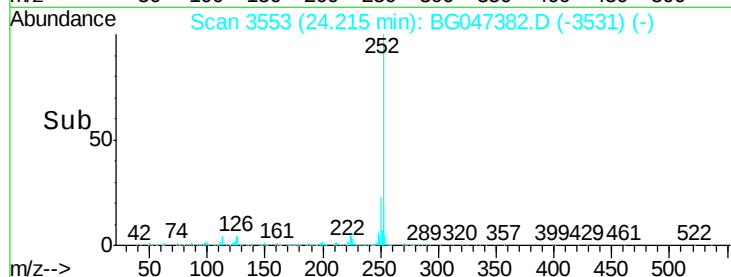
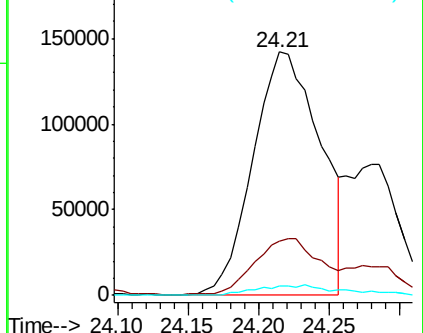
125 3.7 2.6 3.8



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



#91

Benzo(a)pyrene

Concen: 19.195 ng/ul

RT: 25.14 min Scan# 3710

Delta R.T. 0.00 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

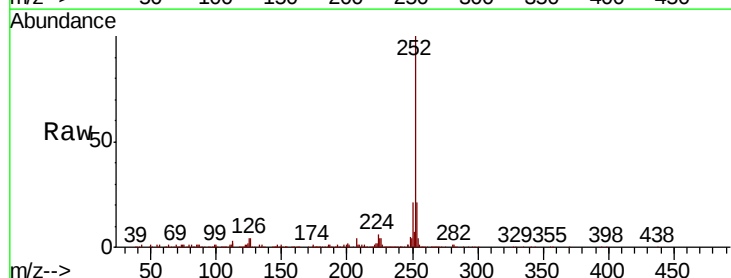
Tgt Ion:252 Resp: 328136

Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

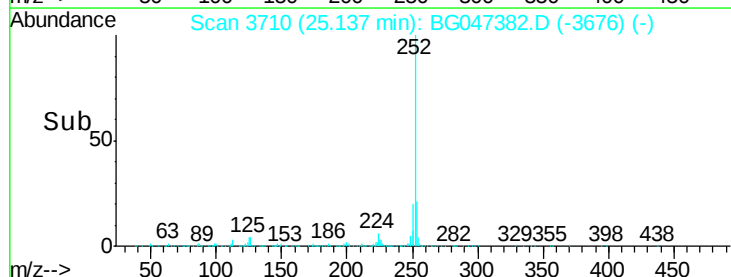
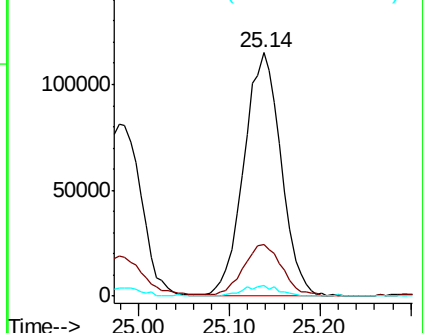
125 4.3 3.1 4.7

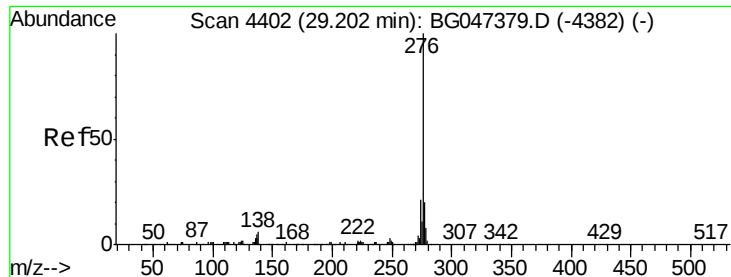


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.730 ng/ul

RT: 29.19 min Scan# 4399

Delta R.T. -0.01 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

Instrument :

BNA_G

ClientSampleId :

C0B33

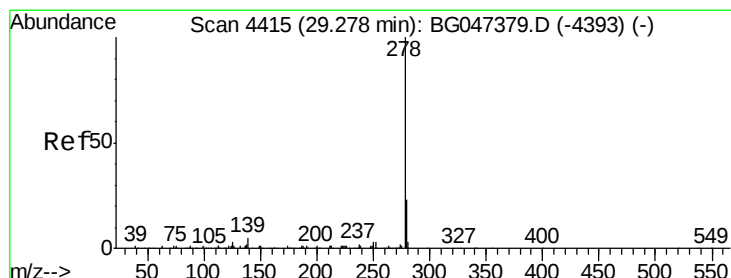
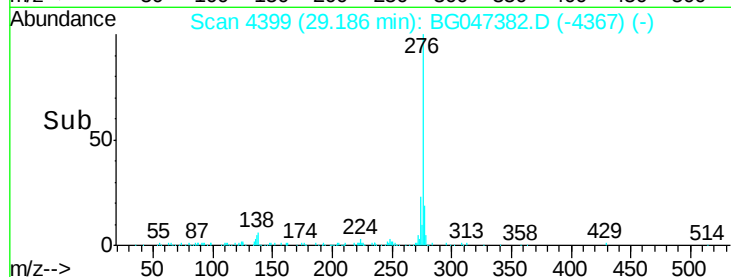
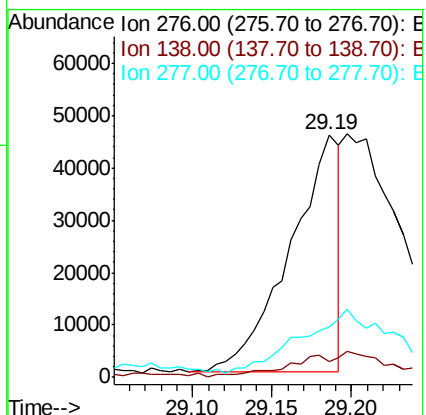
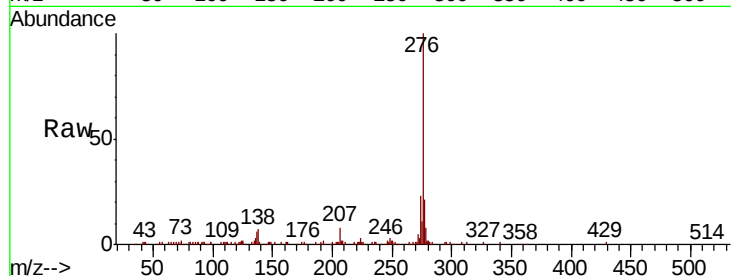
Tot Ion:276 Resp: 98353

Ion Ratio Lower Upper

276 100

138 6.7 7.5 11.3#

277 21.0 19.9 29.9



#93

Dibenzo(a,h)anthracene

Concen: 1.742 ng/ul

RT: 29.24 min Scan# 4409

Delta R.T. -0.02 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

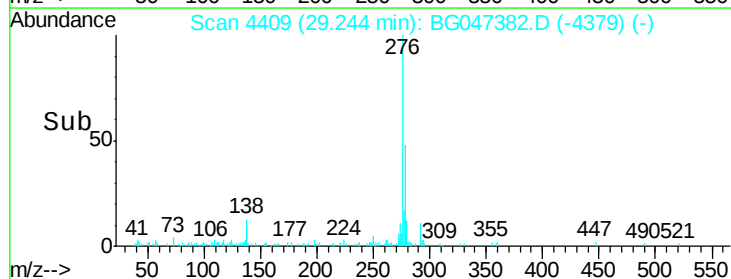
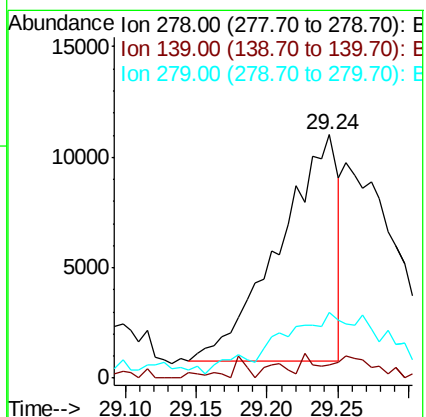
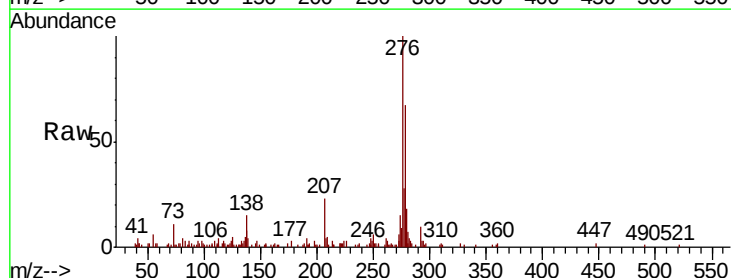
Tgt Ion:278 Resp: 29700

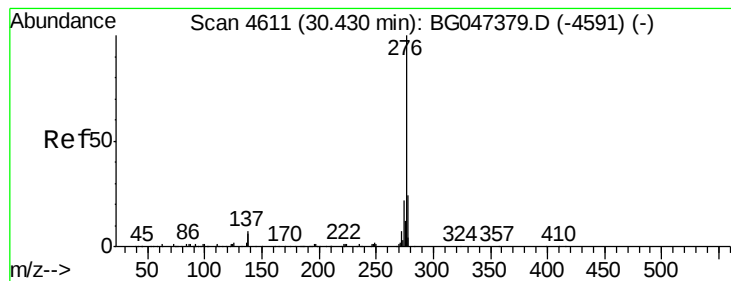
Ion Ratio Lower Upper

278 100

139 5.6 5.8 8.6#

279 27.2 20.0 30.0





#94

Benzo(a,h,i)perylene

Concen: 11.430 ng/ul

RT: 30.42 min Scan# 4609

Delta R.T. 0.00 min

Lab File: BG047382.D

Acq: 20 Nov 2020 19:40

Instrument :

BNA_G

ClientSampleId :

C0B33

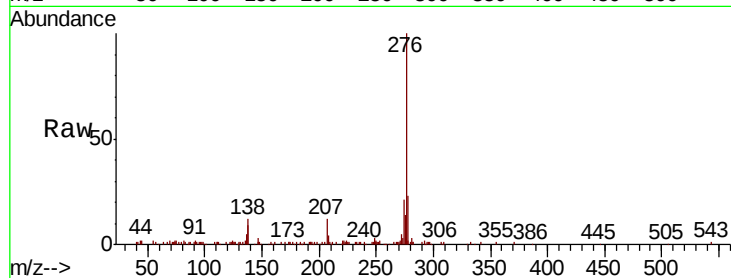
Tot Ion:276 Resp: 196122

Ion Ratio Lower Upper

276 100

138 11.7 8.2 12.2

277 22.8 17.5 26.3



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

