

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047463.D
 Acq On : 25 Nov 2020 2:14
 Operator : CG/JU
 Sample : L4749-21DL 2X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B47DL

Quant Time: Nov 25 03:43:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	42468	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	168162	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.88	164	123501	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	273456	20.00	ng/ul	0.00
78) Chrysene-d12	21.90	240	238098	20.00	ng/ul	0.00
86) Perylene-d12	25.30	264	257720	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.62	96	969	0.83	ng/uL	0.00
5) Phenol-d5	7.41	99	26258	6.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.58	67	14668	6.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	20159	7.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	19957	6.10	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	8725	6.28	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	11485	7.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.70	165	25572	7.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	18484	5.27	ng/ul	0.00
44) Dimethylphthalate-d6	14.27	166	76984	7.26	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	95556	7.80	ng/ul	0.00
52) 4-Nitrophenol-d4	15.04	143	9174	5.67	ng/ul	0.00
58) Fluorene-d10	15.87	176	71676	7.38	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	3670	2.36	ng/ul	0.00
71) Anthracene-d10	17.72	188	102217	7.54	ng/ul	0.00
79) Pyrene-d10	19.98	212	114201	8.24	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.07	264	112858	7.61	ng/ul	0.00

Target Compounds

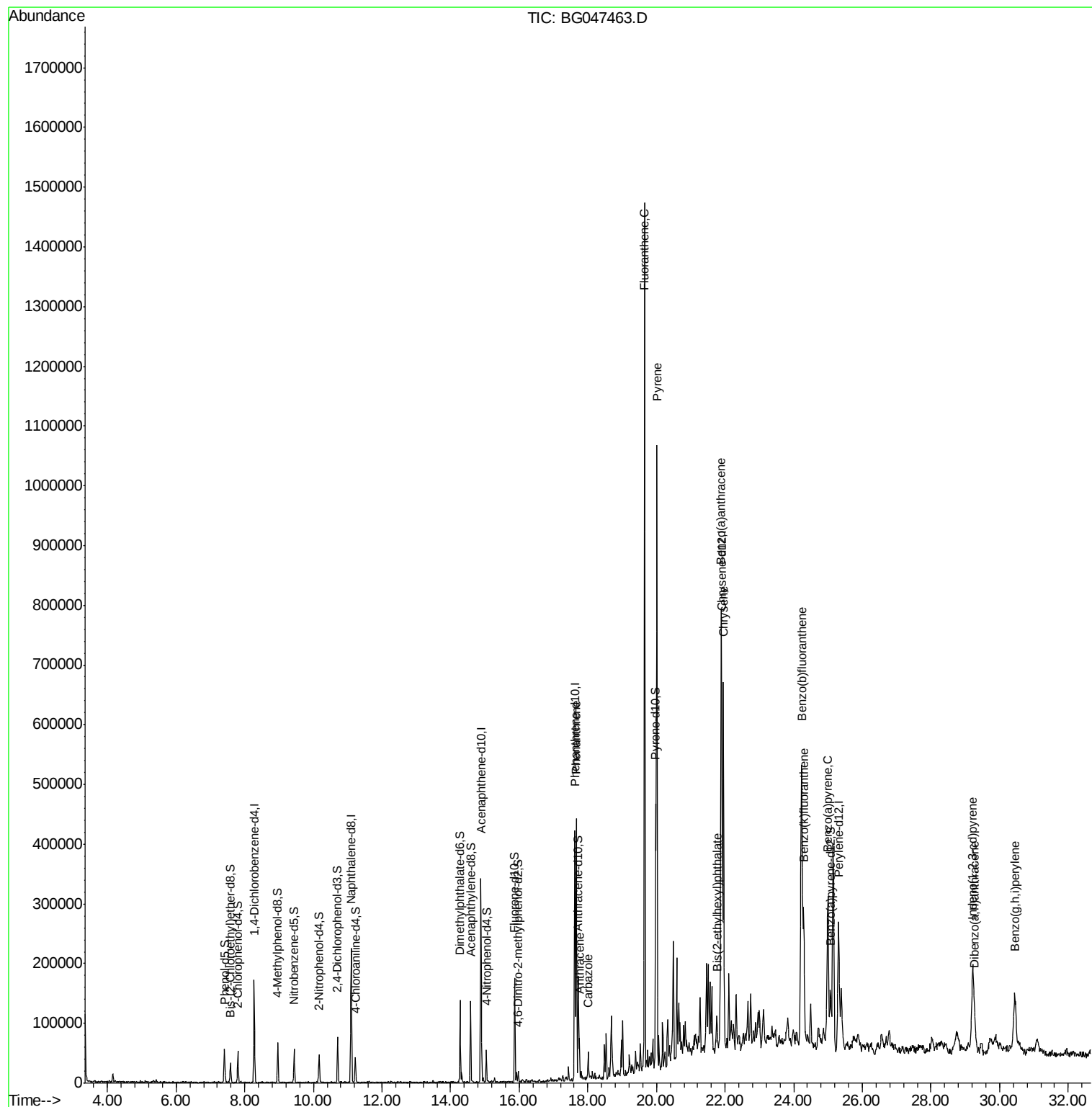
				Ovalue	
70) Phenanthrene	17.66	178	263381	17.836	ng/ul 97
72) Anthracene	17.75	178	45807	3.080	ng/ul 98
75) Carbazole	18.01	167	23651	1.971	ng/ul 97
77) Fluoranthene	19.66	202	953916	51.149	ng/ul 99
80) Pyrene	20.01	202	749483	44.438	ng/ul 98
83) Benzo(a)anthracene	21.88	228	442910	26.144	ng/ul 99
84) Bis(2-ethylhexyl)phthalate	21.76	149	10893	1.319	ng/ul# 95
85) Chrysene	21.95	228	492738	30.564	ng/ul 96
88) Benzo(b)fluoranthene	24.23	252	681300	37.441	ng/ul# 96
89) Benzo(k)fluoranthene	24.29	252	205224	11.445	ng/ul 98
91) Benzo(a)pyrene	24.99	252	312148	19.243	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	29.21	276	296702	15.037	ng/ul 96
93) Dibenzo(a,h)anthracene	29.28	278	16797	1.038	ng/ul# 89
94) Benzo(g,h,i)perylene	30.45	276	221313	13.593	ng/ul# 98

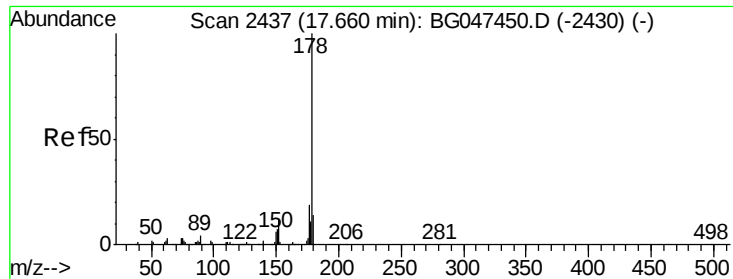
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#70

Phenanthrene

Concen: 17.836 ng/ul

RT: 17.66 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

Instrument :

BNA_G

ClientSampleId :

C0B47DL

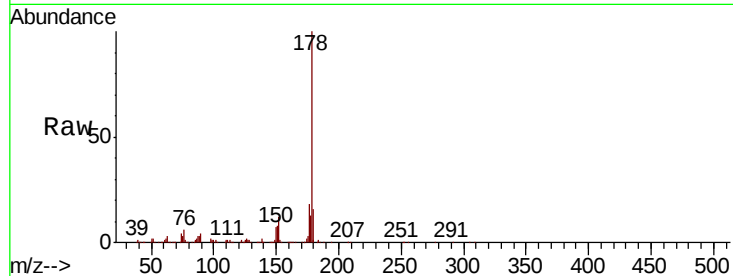
Tot Ion:178 Resp: 263381

Ion Ratio Lower Upper

178 100

179 16.0 11.8 17.6

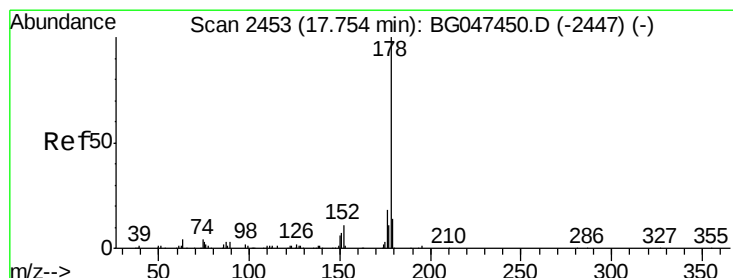
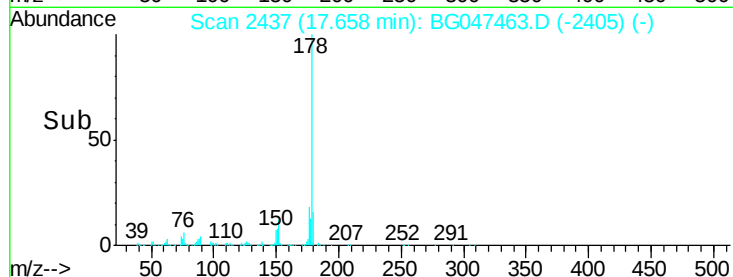
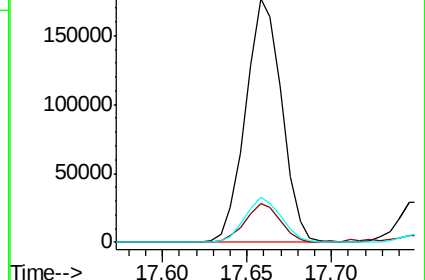
176 18.4 13.9 20.9



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: 3.080 ng/ul

RT: 17.75 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

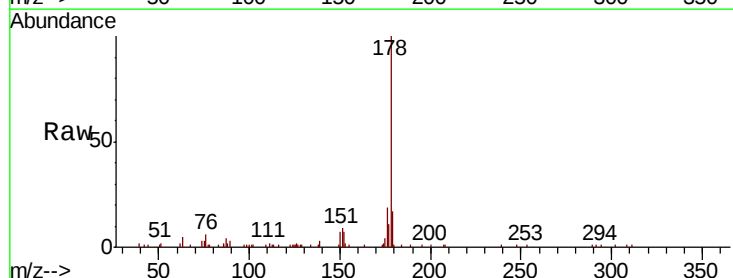
Tgt Ion:178 Resp: 45807

Ion Ratio Lower Upper

178 100

179 16.7 11.7 17.5

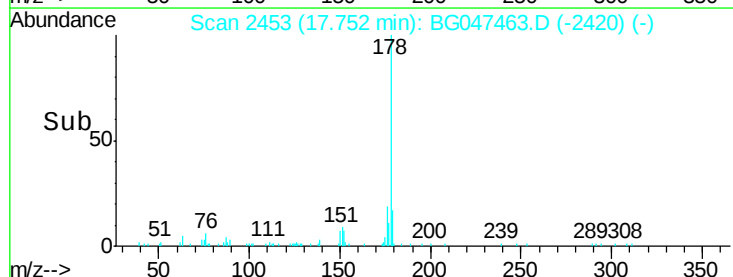
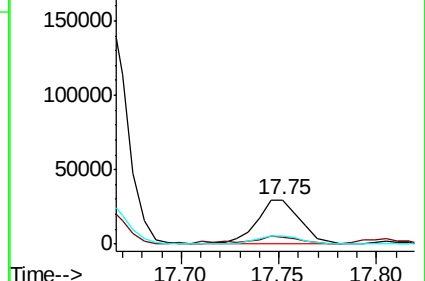
176 19.4 15.4 23.0

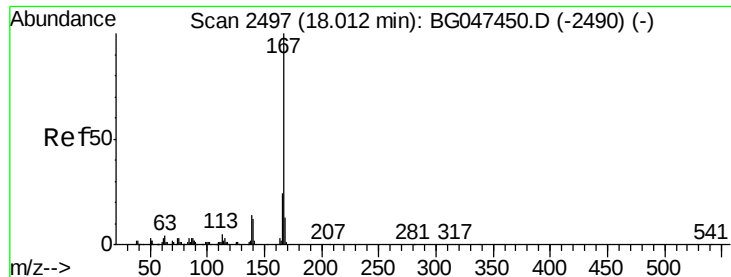


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.971 ng/ul

RT: 18.01 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

Instrument :

BNA_G

ClientSampleId :

C0B47DL

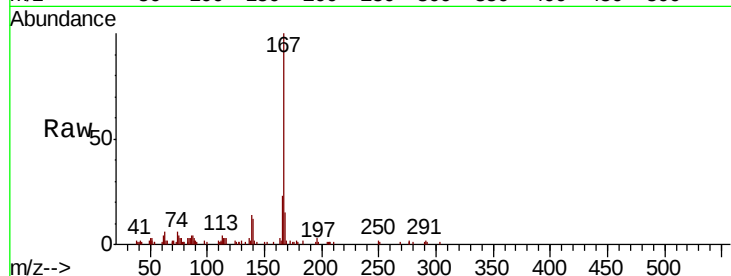
Tot Ion:167 Resp: 23651

Ion Ratio Lower Upper

167 100

166 22.6 19.2 28.8

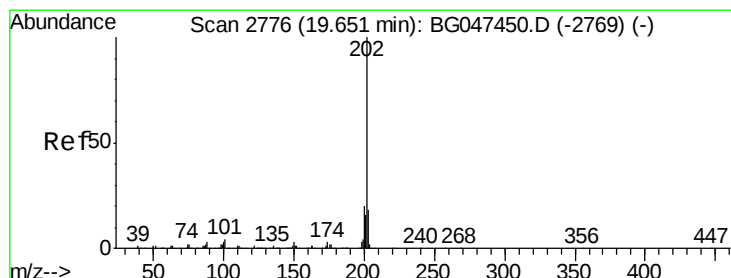
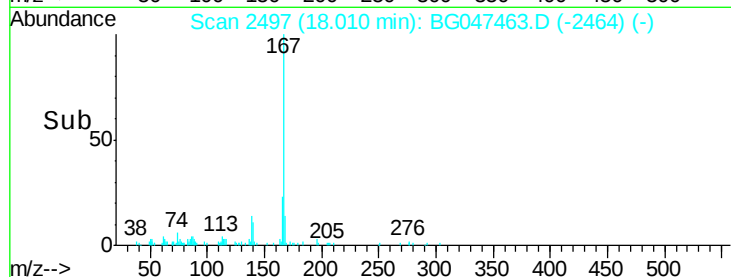
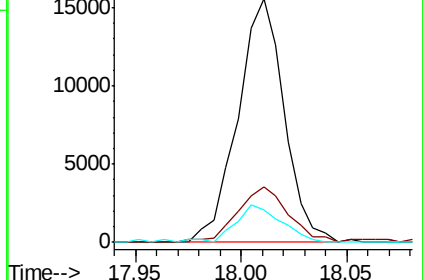
139 13.5 10.0 15.0



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: 51.149 ng/ul

RT: 19.66 min Scan# 2777

Delta R.T. 0.00 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

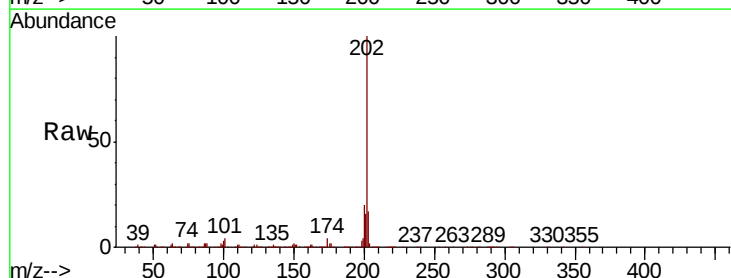
Tgt Ion:202 Resp: 953916

Ion Ratio Lower Upper

202 100

101 3.8 3.0 4.6

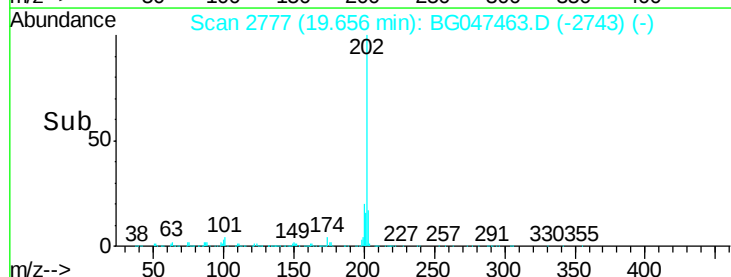
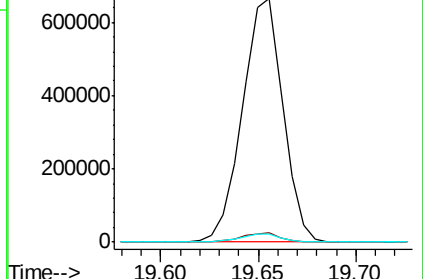
100 3.2 3.0 4.6

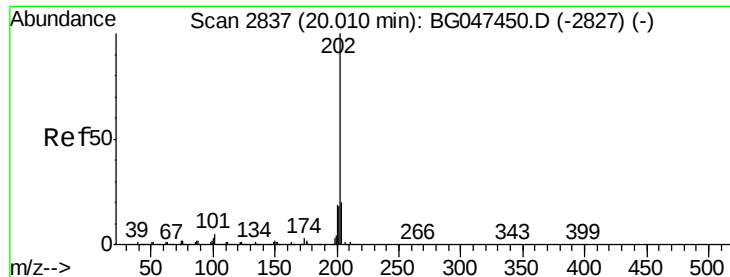


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

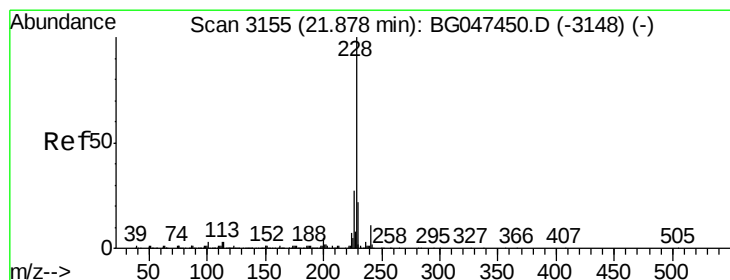
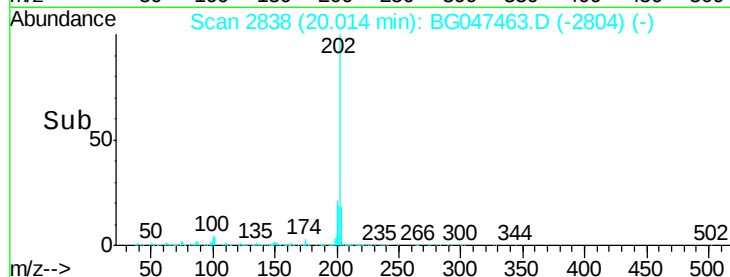
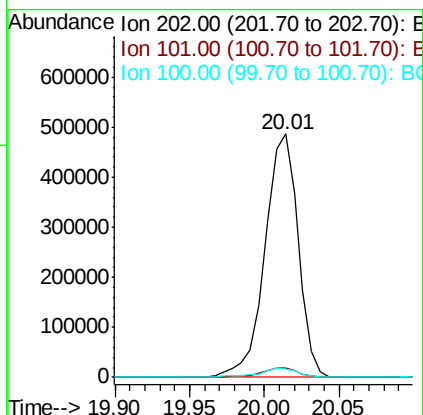
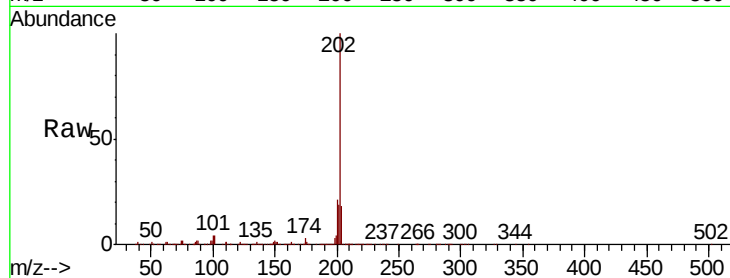




#80
 Pvrene
 Concen: 44.438 ng/ul
 RT: 20.01 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: BG047463.D
 Acq: 25 Nov 2020 2:14

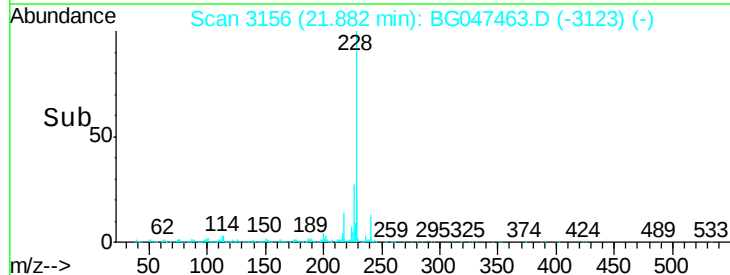
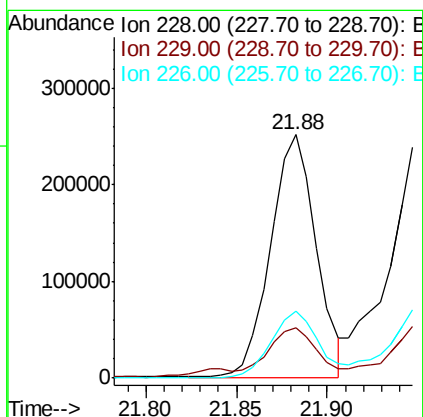
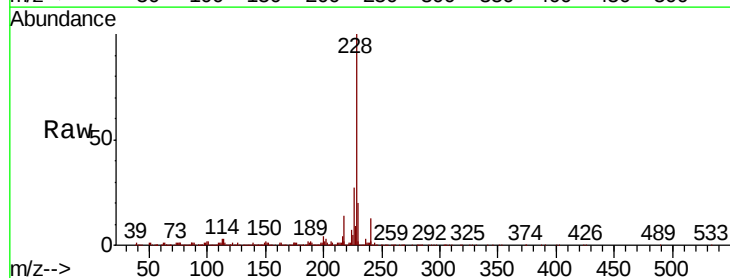
Instrument :
 BNA_G
 ClientSampleId :
 C0B47DL

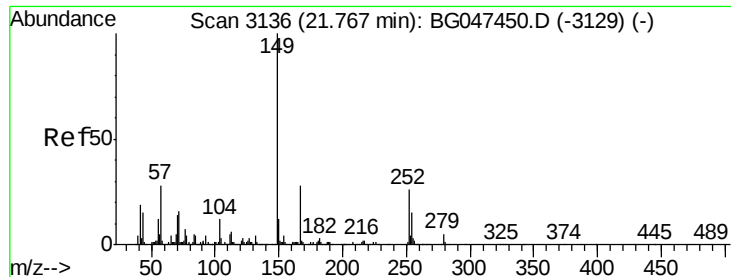
Tot Ion	Ratio	Lower	Upper
202	100		
101	3.7	3.5	5.3
100	3.5	3.4	5.0



#83
 Benzo(a)anthracene
 Concen: 26.144 ng/ul
 RT: 21.88 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: BG047463.D
 Acq: 25 Nov 2020 2:14

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.6	23.4
226	27.4	21.7	32.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.319 ng/ul

RT: 21.76 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

Instrument :

BNA_G

ClientSampleId :

C0B47DL

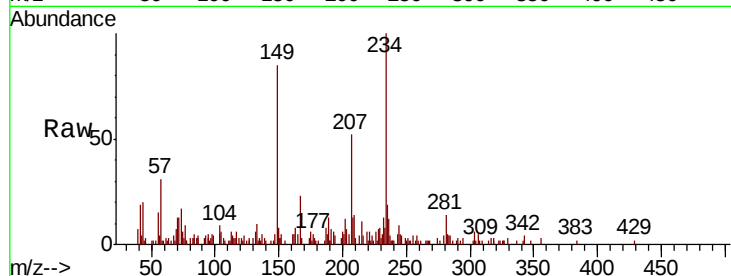
Tot Ion:149 Resp: 10893

Ion Ratio Lower Upper

149 100

167 27.1 23.4 35.2

279 4.5 5.9 8.9#



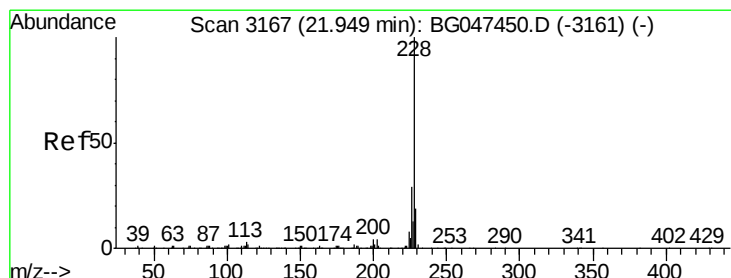
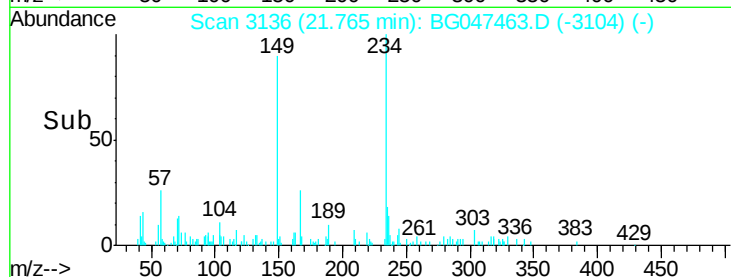
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.76

Time-->



#85

Chrysene

Concen: 30.564 ng/ul

RT: 21.95 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

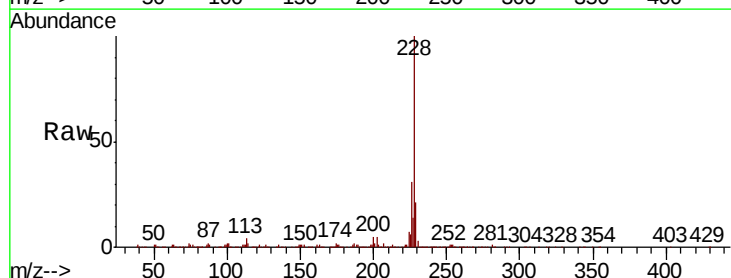
Tgt Ion:228 Resp: 492738

Ion Ratio Lower Upper

228 100

226 31.1 22.3 33.5

229 21.5 16.5 24.7



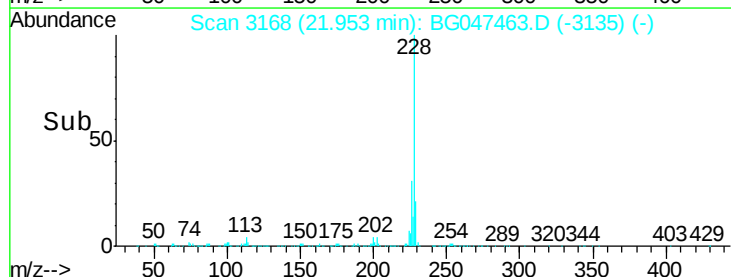
Abundance Ion 228.00 (227.70 to 228.70): E

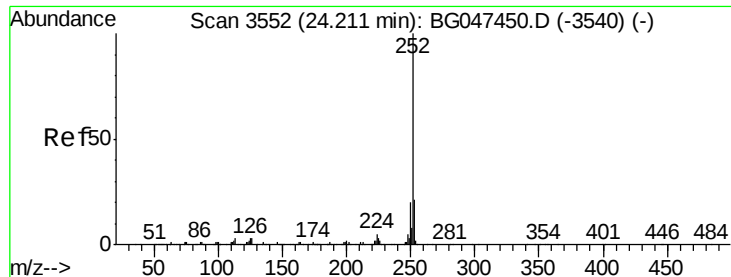
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.95

Time-->





#88

Benzo(b)fluoranthene

Concen: 37.441 ng/ul

RT: 24.23 min Scan# 3555

Delta R.T. 0.00 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

Instrument :

BNA_G

ClientSampled :

C0B47DL

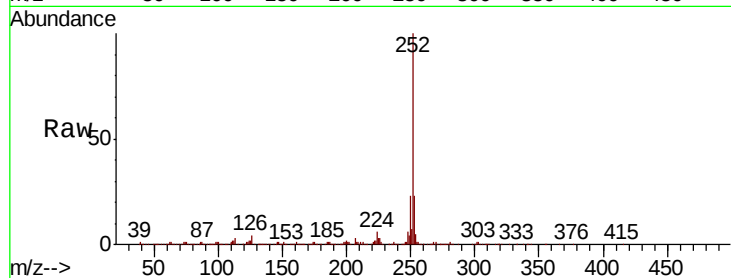
Tot Ion:252 Resp: 681300

Ion Ratio Lower Upper

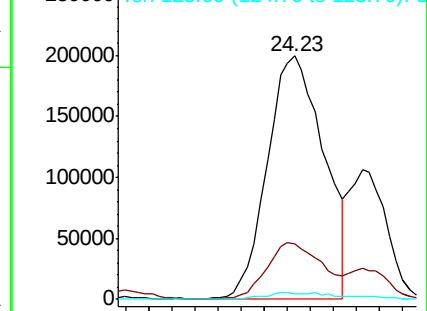
252 100

253 22.9 16.6 25.0

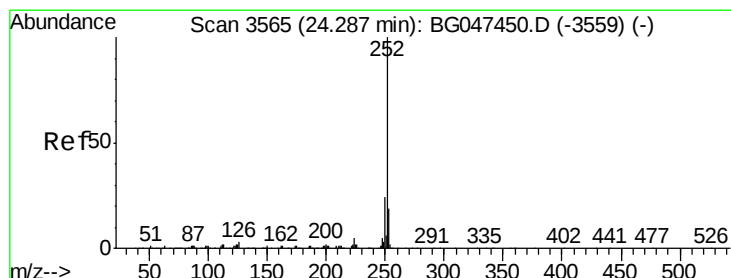
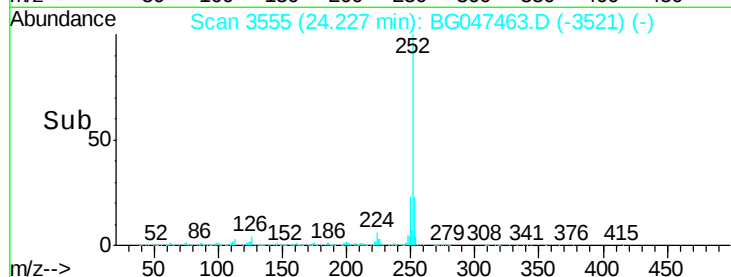
125 2.4 2.7 4.1#



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



Time-->



#89

Benzo(k)fluoranthene

Concen: 11.445 ng/ul

RT: 24.29 min Scan# 3565

Delta R.T. -0.01 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

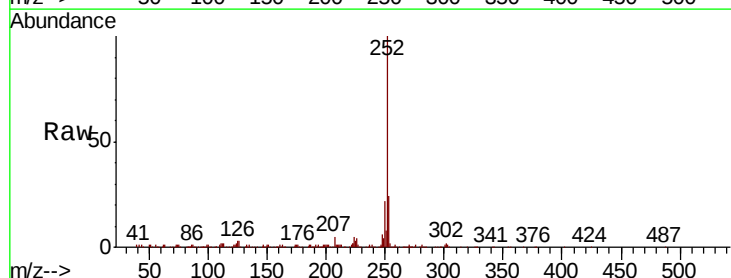
Tgt Ion:252 Resp: 205224

Ion Ratio Lower Upper

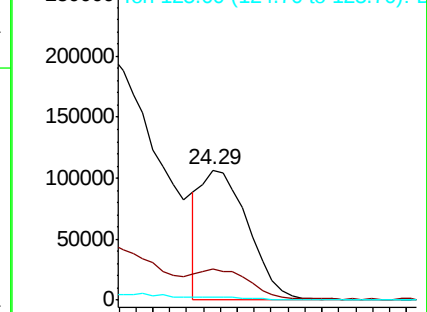
252 100

253 23.8 18.2 27.4

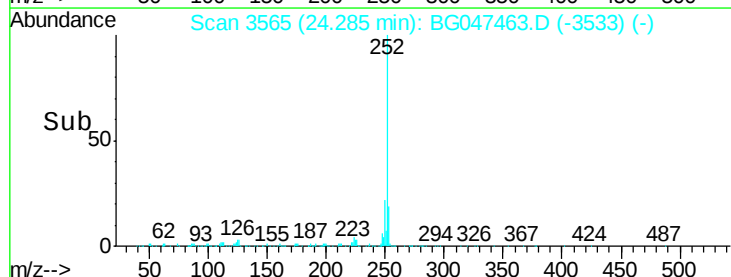
125 2.5 2.2 3.2

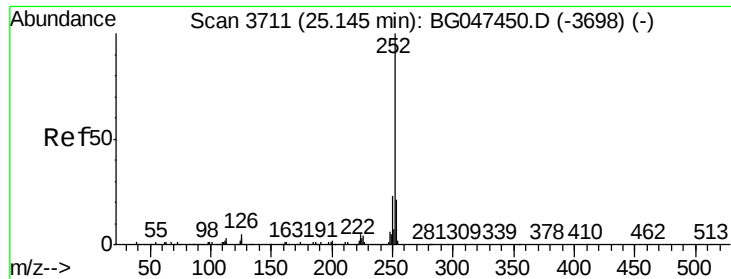


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#91

Benzo(a)pyrene

Concen: 19.243 ng/ul

RT: 24.99 min Scan# 3685

Delta R.T. -0.16 min

Lab File: BG047463.D

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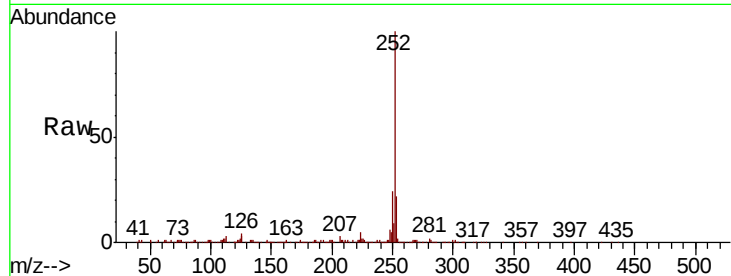
Tot Ion:252 Resp: 312148

Ion Ratio Lower Upper

252 100

253 21.6 18.6 27.8

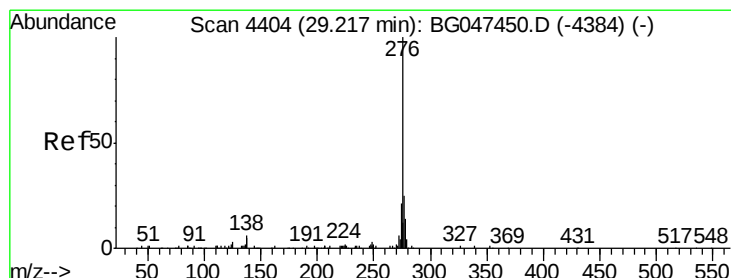
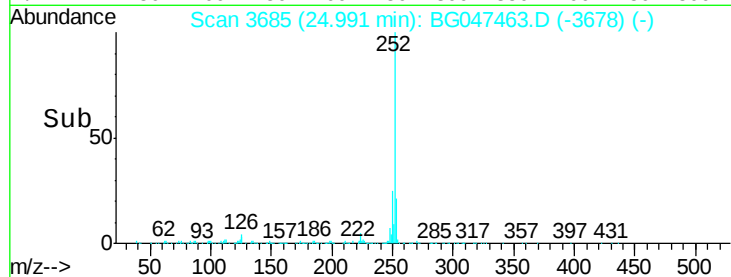
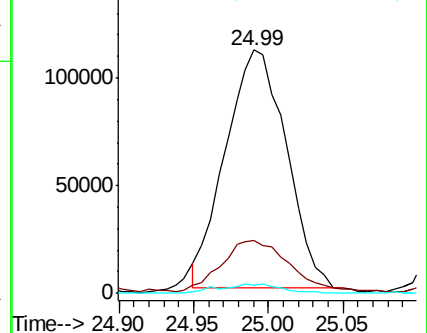
125 3.3 3.1 4.7



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: 15.037 ng/ul

RT: 29.21 min Scan# 4404

Delta R.T. -0.00 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

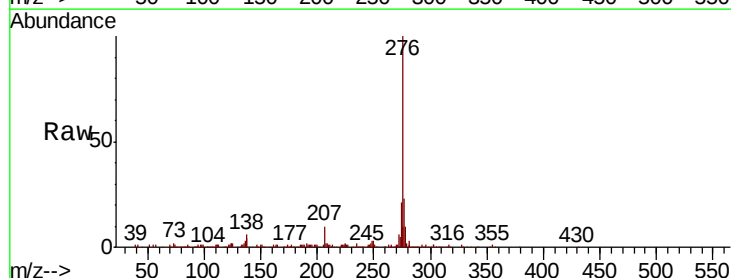
Tgt Ion:276 Resp: 296702

Ion Ratio Lower Upper

276 100

138 5.7 5.0 7.6

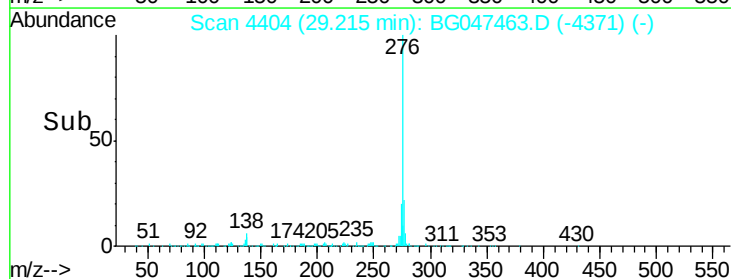
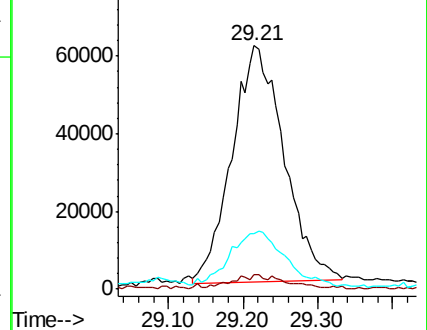
277 22.8 16.5 24.7

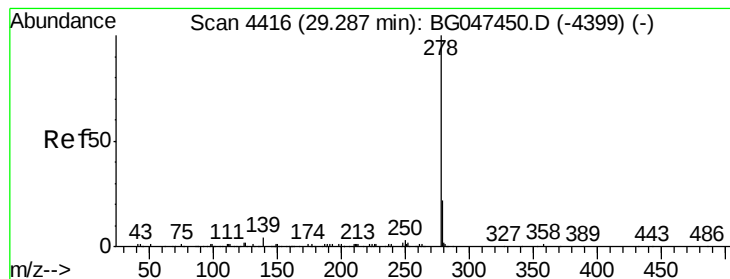


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.038 ng/ul

RT: 29.28 min Scan# 4415

Delta R.T. -0.01 min

Lab File: BG047463.D

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C0B47DL

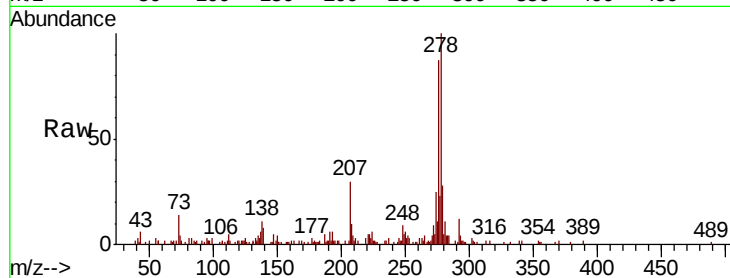
Tot Ion:278 Resp: 16797

Ion Ratio Lower Upper

278 100

139 8.0 4.6 7.0#

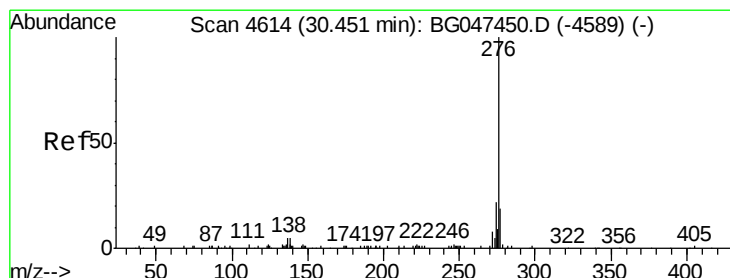
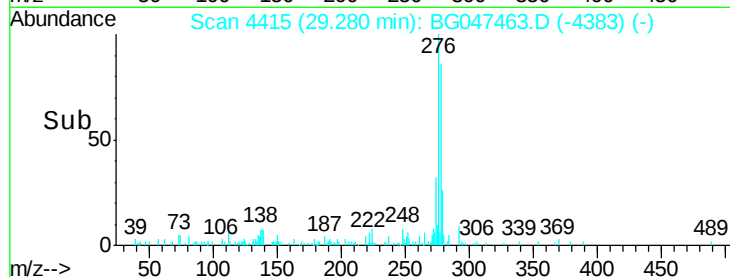
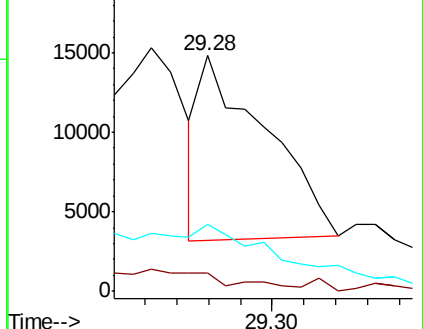
279 28.4 18.2 27.2#



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: 13.593 ng/ul

RT: 30.45 min Scan# 4614

Delta R.T. 0.00 min

Lab File: BG047463.D

Acq: 25 Nov 2020 2:14

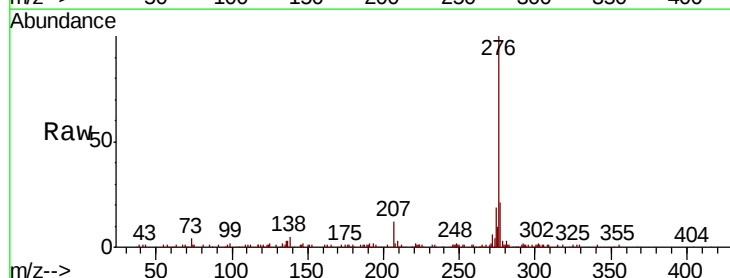
Tgt Ion:276 Resp: 221313

Ion Ratio Lower Upper

276 100

138 5.0 5.8 8.6#

277 21.3 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

