

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047424.D
 Acq On : 23 Nov 2020 19:53
 Operator : CG/JU
 Sample : L4749-21
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B47

Quant Time: Nov 24 00:56:15 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	8.28	152	37342	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	147009	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	104041	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	230788	20.00	ng/ul	0.00
78) Chrysene-d12	21.91	240	197137	20.00	ng/ul	0.00
86) Perylene-d12	25.32	264	212276	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	1959	1.91	ng/uL	0.00
5) Phenol-d5	7.41	99	50304	13.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	26586	12.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	38322	15.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	38645	13.43	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	20090	16.54	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	22526	17.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.70	165	49449	16.30	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	42686	13.91	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	155278	17.38	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	179813	17.42	ng/ul	0.00
52) 4-Nitrophenol-d4	15.04	143	17287	12.69	ng/ul	0.00
58) Fluorene-d10	15.87	176	137505	16.81	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	10826	8.24	ng/ul	0.00
71) Anthracene-d10	17.72	188	197983	17.29	ng/ul	0.00
79) Pyrene-d10	19.99	212	211244	18.41	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.08	264	213363	17.46	ng/ul	0.00

Target Compounds

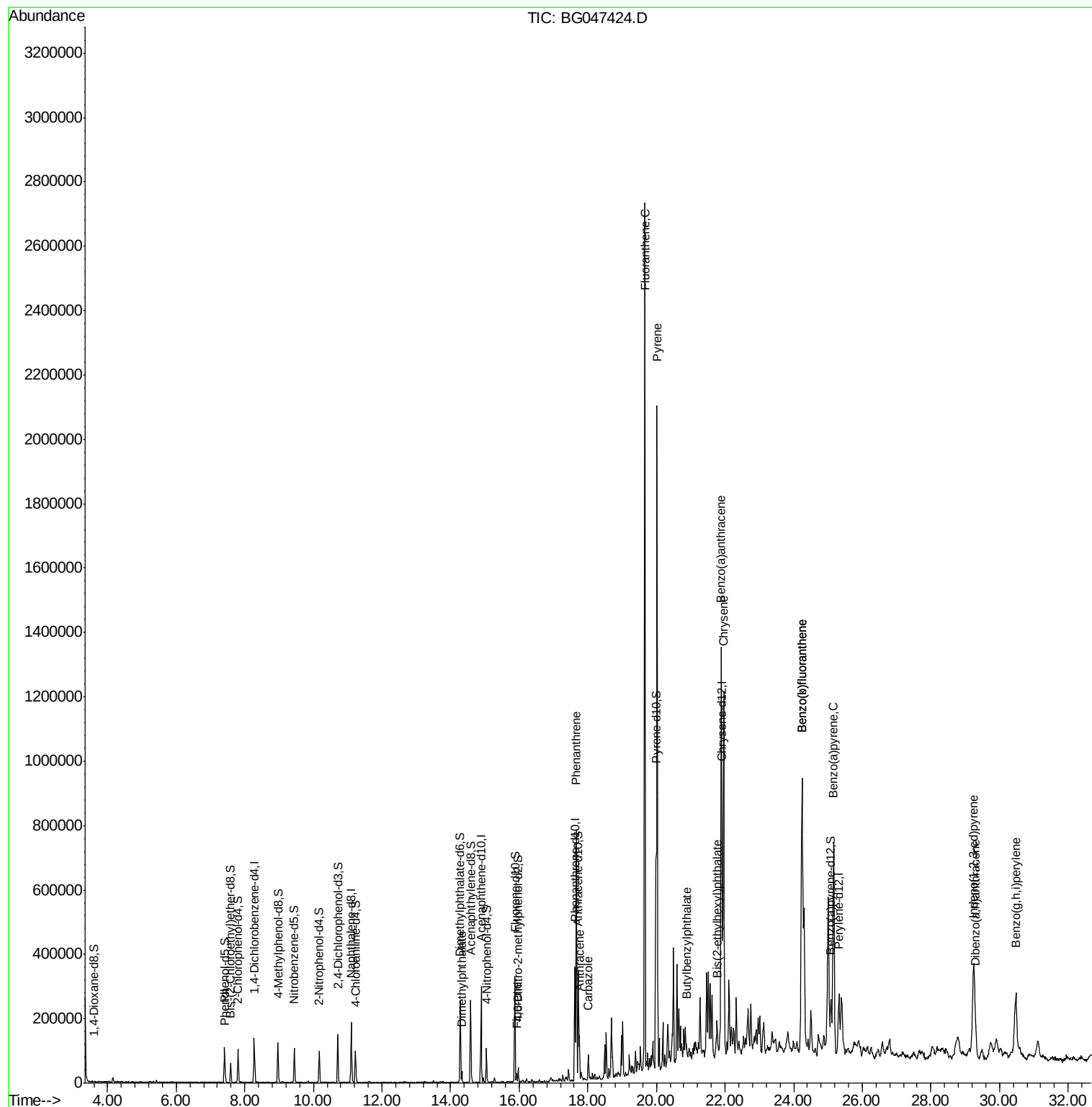
					Ovalue	
6) Phenol	7.43	94	7303	2.035	ng/ul#	86
45) Dimethylphthalate	14.32	163	18235	2.002	ng/ul#	97
59) Fluorene	15.92	166	11463	1.377	ng/ul	98
70) Phenanthrene	17.66	178	500614	40.168	ng/ul	95
72) Anthracene	17.76	178	93086	7.417	ng/ul	98
75) Carbazole	18.01	167	45330	4.477	ng/ul	99
77) Fluoranthene	19.66	202	1733430	110.131	ng/ul	99
80) Pyrene	20.02	202	1370691	98.157	ng/ul	100
81) Butylbenzylphthalate	20.88	149	5480	1.117	ng/ul#	70
83) Benzo(a)anthracene	21.89	228	846609	60.357	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.77	149	25683	3.757	ng/ul#	95
85) Chrysene	21.96	228	905690	67.851	ng/ul	97
88) Benzo(b)fluoranthene	24.24	252	1282303	85.556	ng/ul#	96
89) Benzo(k)fluoranthene	24.24	252	1282303	86.818	ng/ul	100
91) Benzo(a)pyrene	25.16	252	832789	62.330	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	29.25	276	592977	36.486	ng/ul#	92
93) Dibenzo(a,h)anthracene	29.30	278	131167	9.844	ng/ul#	98
94) Benzo(g,h,i)perylene	30.47	276	510714	38.084	ng/ul	96

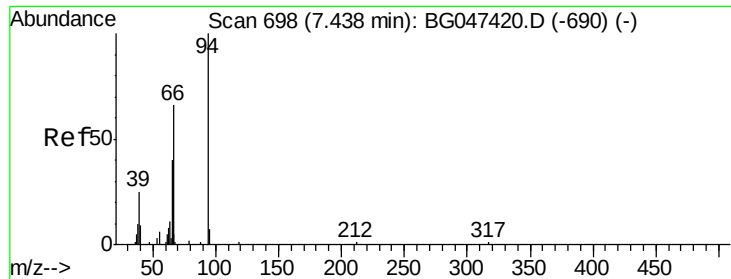
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.035 ng/ul

RT: 7.43 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

Instrument :

BNA_G

ClientSampleId :

C0B47

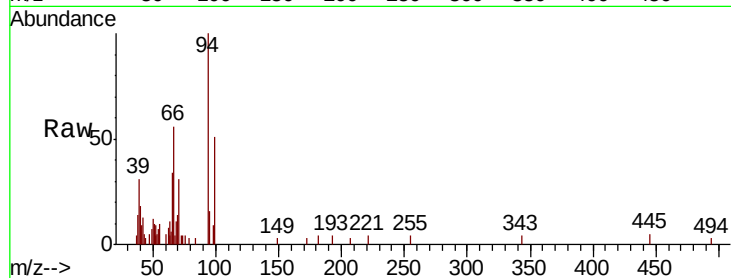
Tot Ion: 94 Resp: 7303

Ion Ratio Lower Upper

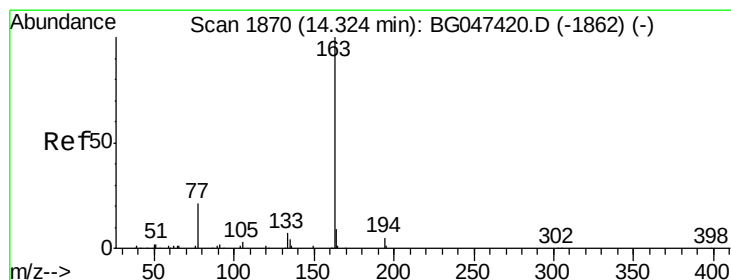
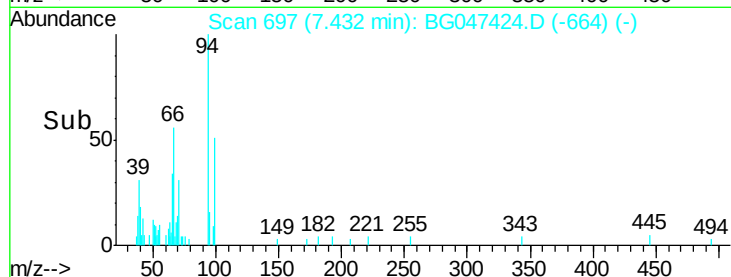
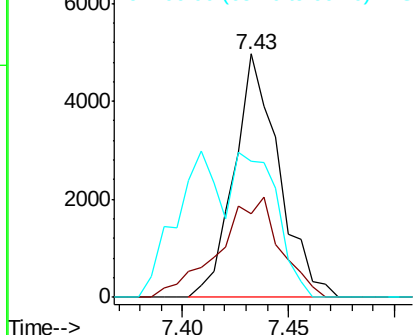
94 100

65 34.3 37.8 56.8#

66 56.1 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: 2.002 ng/ul

RT: 14.32 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

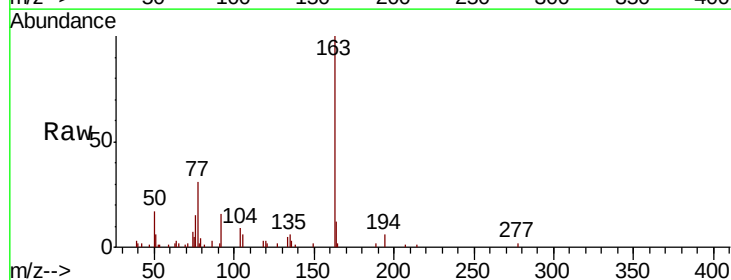
Tgt Ion:163 Resp: 18235

Ion Ratio Lower Upper

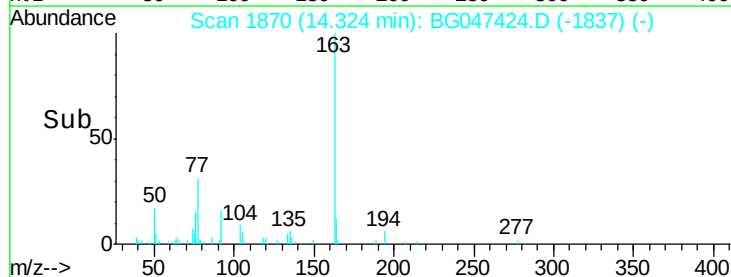
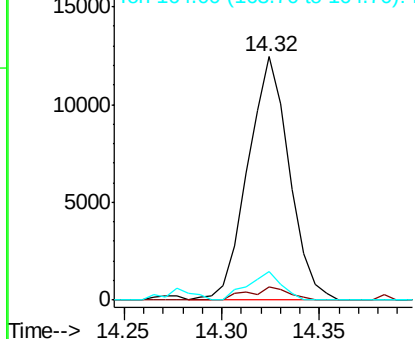
163 100

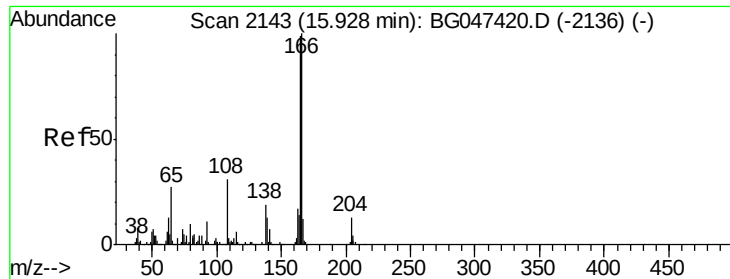
194 5.5 3.6 5.4#

164 11.8 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





#59

Fluorene

Concen: 1.377 ng/ul

RT: 15.92 min Scan# 2142

Delta R.T. -0.01 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

Instrument :

BNA_G

ClientSampleId :

C0B47

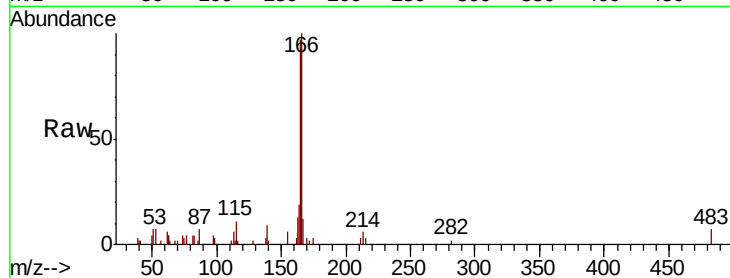
Tot Ion:166 Resp: 11463

Ion Ratio Lower Upper

166 100

165 97.4 79.8 119.6

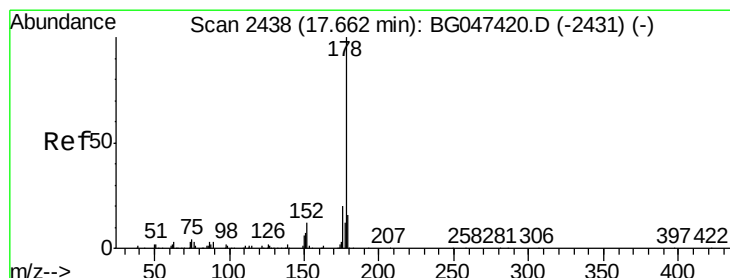
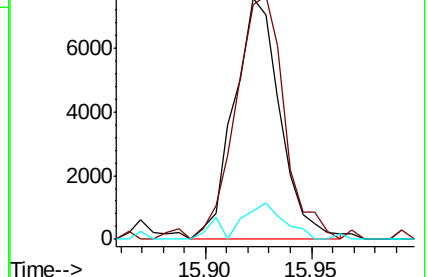
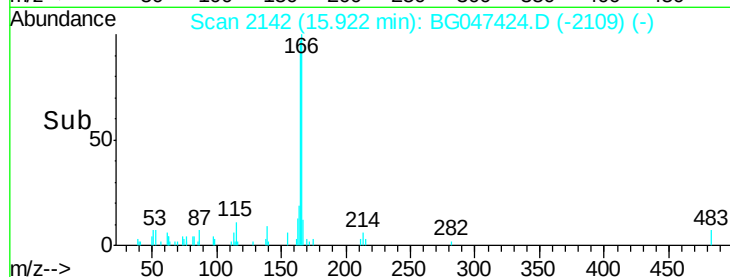
167 11.9 10.8 16.2



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: 40.168 ng/ul

RT: 17.66 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

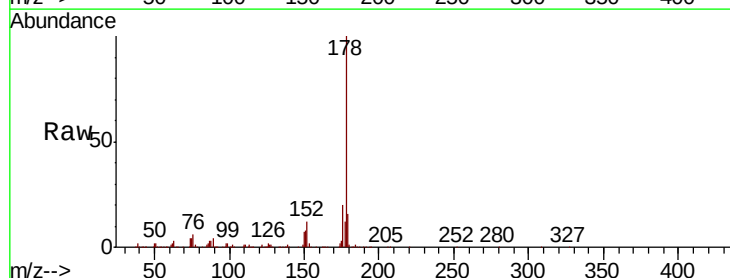
Tgt Ion:178 Resp: 500614

Ion Ratio Lower Upper

178 100

179 15.8 11.8 17.6

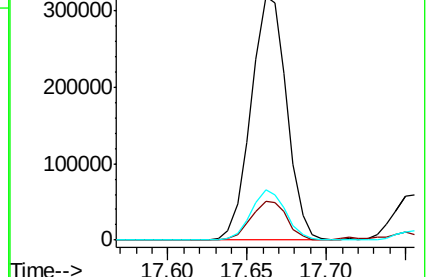
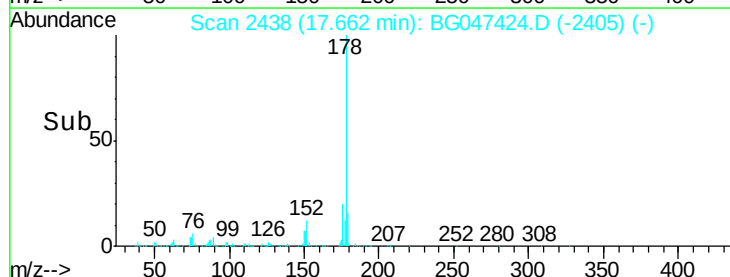
176 20.4 13.9 20.9

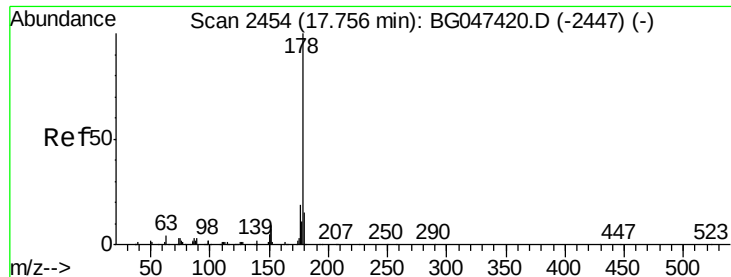


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 7.417 ng/ul

RT: 17.76 min Scan# 2454

Delta R.T. 0.00 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

Instrument :

BNA_G

ClientSampleId :

C0B47

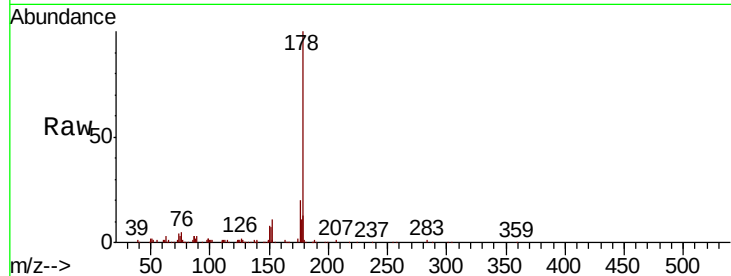
Tot Ion:178 Resp: 93086

Ion Ratio Lower Upper

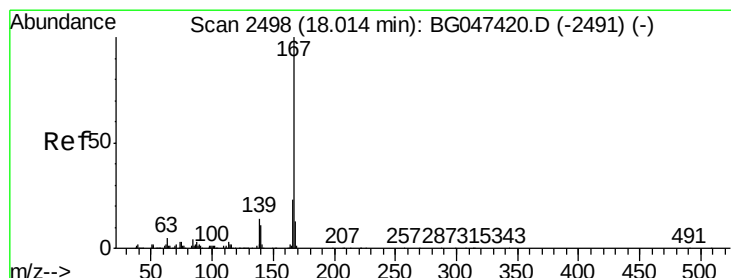
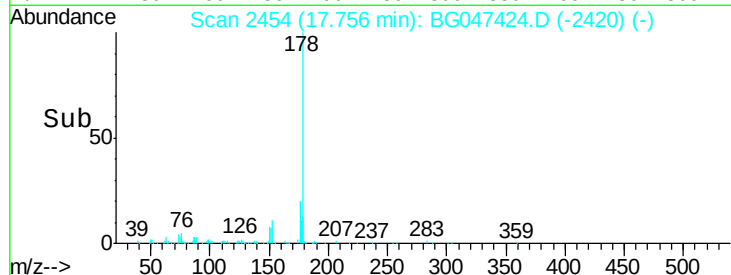
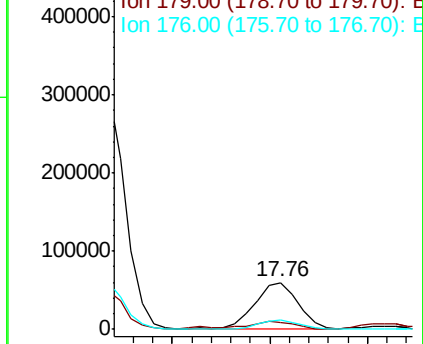
178 100

179 13.5 11.7 17.5

176 19.8 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: 4.477 ng/ul

RT: 18.01 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

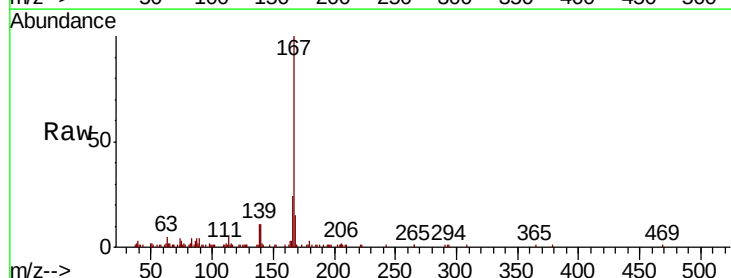
Tgt Ion:167 Resp: 45330

Ion Ratio Lower Upper

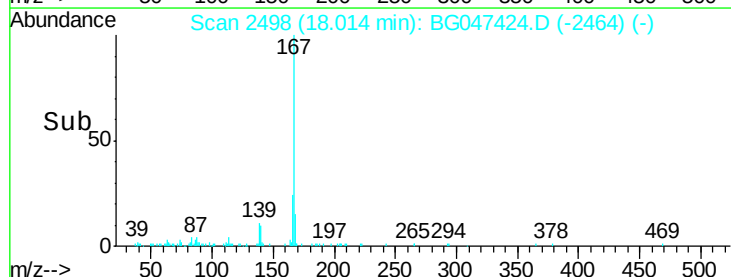
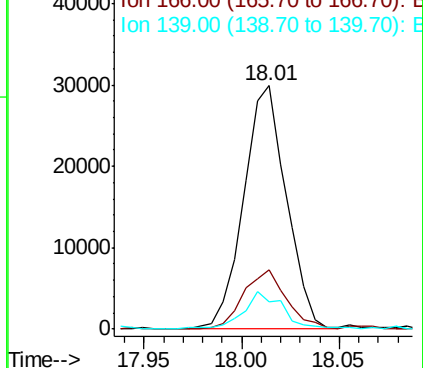
167 100

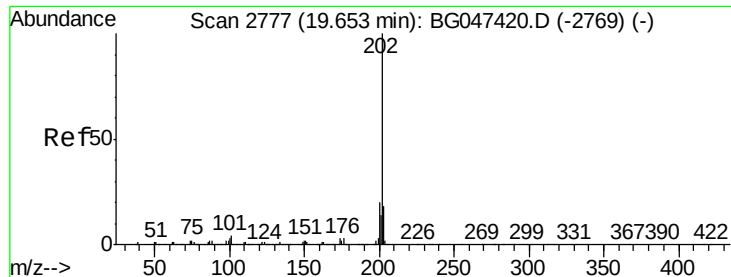
166 24.2 19.2 28.8

139 11.3 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: 110.131 ng/ul

RT: 19.66 min Scan# 2778

Delta R.T. 0.01 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

Instrument :

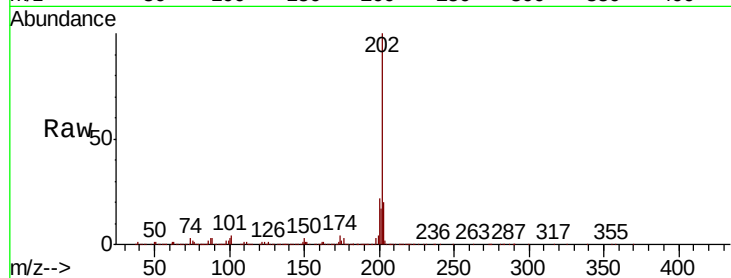
BNA_G

ClientSampleId :

C0B47

Tot Ion:202 Resp: 1733430

Ion	Ratio	Lower	Upper
202	100		
101	4.1	3.0	4.6
100	3.4	3.0	4.6

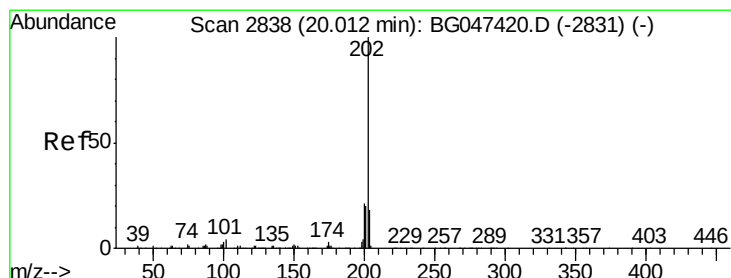
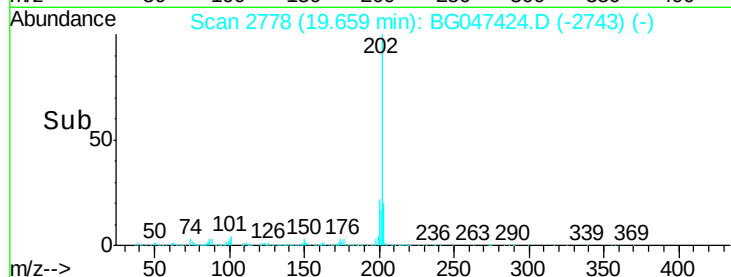
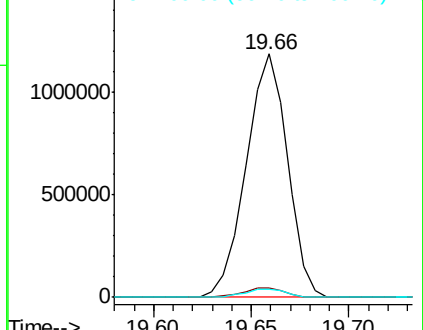


Abundance

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

Pyrene

Concen: 98.157 ng/ul

RT: 20.02 min Scan# 2839

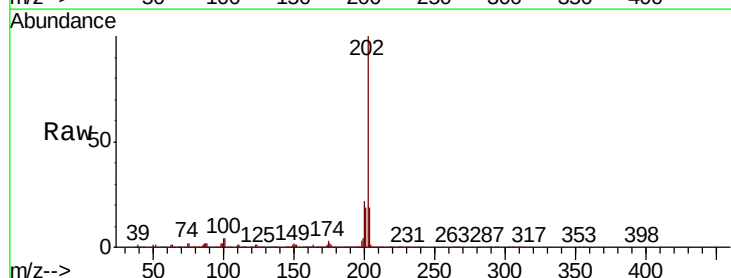
Delta R.T. 0.01 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

Tgt Ion:202 Resp: 1370691

Ion	Ratio	Lower	Upper
202	100		
101	4.4	3.5	5.3
100	4.4	3.4	5.0

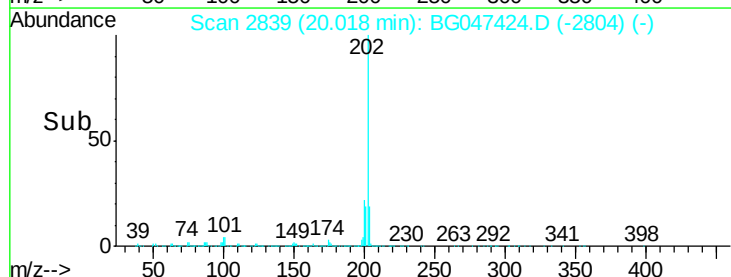
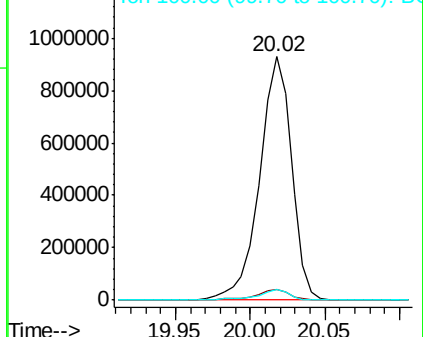


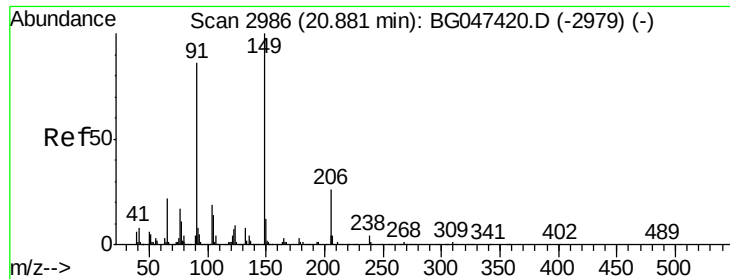
Abundance

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

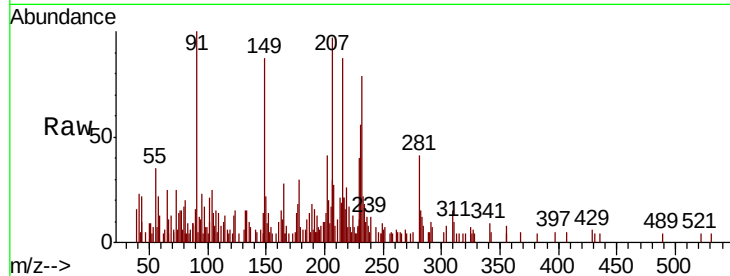




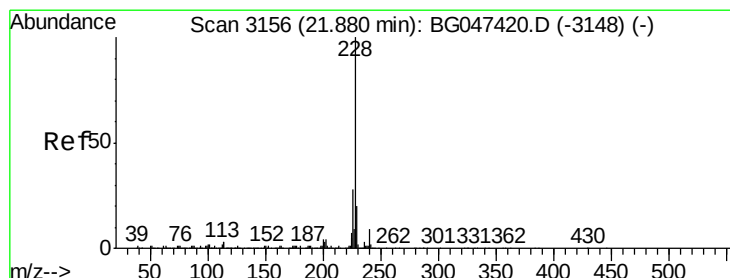
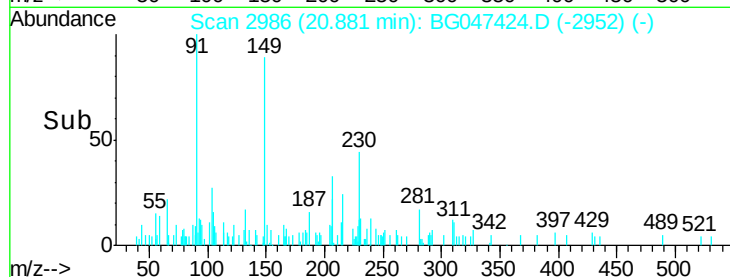
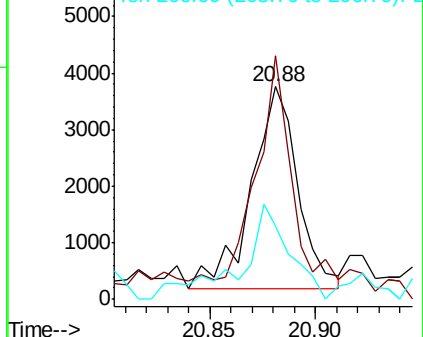
#81
Butylbenzylphthalate
Concen: 1.117 ng/ul
RT: 20.88 min Scan# 2986
Delta R.T. 0.00 min
Lab File: BG047424.D
Acq: 23 Nov 2020 19:53

Instrument :
BNA_G
ClientSampleId :
C0B47

Tot Ion:149 Resp: 5480
Ion Ratio Lower Upper
149 100
91 114.7 67.9 101.9#
206 34.3 19.3 28.9#

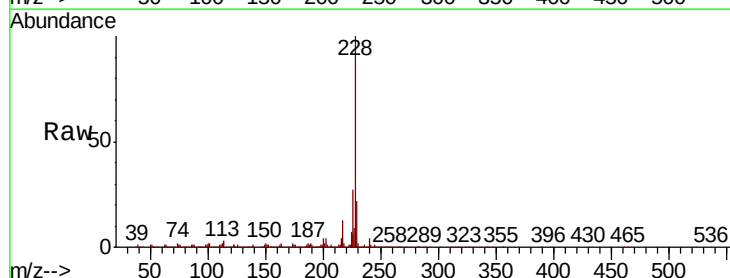


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

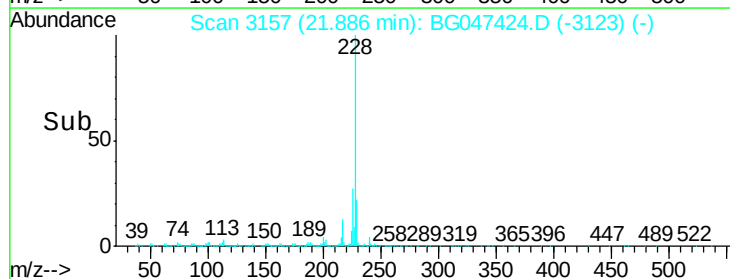
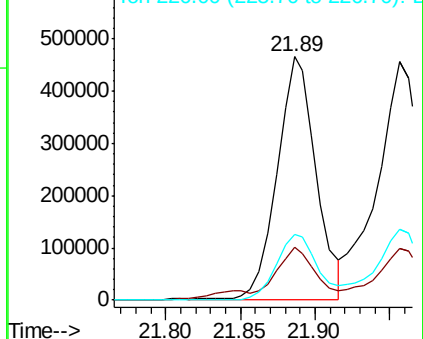


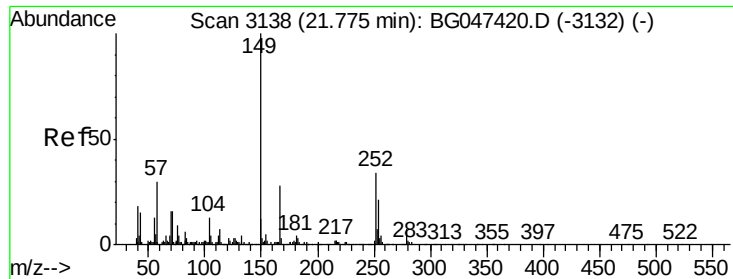
#83
Benzo(a)anthracene
Concen: 60.357 ng/ul
RT: 21.89 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BG047424.D
Acq: 23 Nov 2020 19:53

Tgt Ion:228 Resp: 846609
Ion Ratio Lower Upper
228 100
229 21.7 15.6 23.4
226 27.0 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

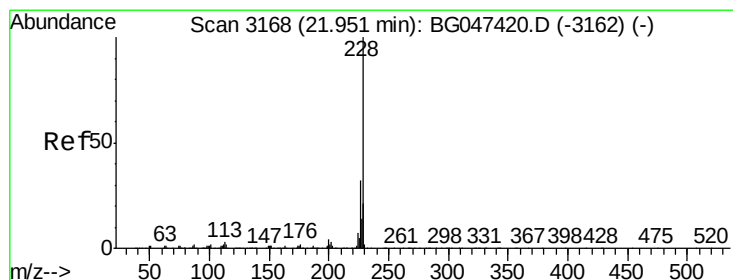
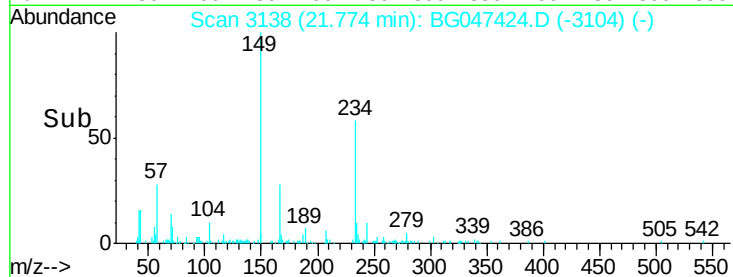
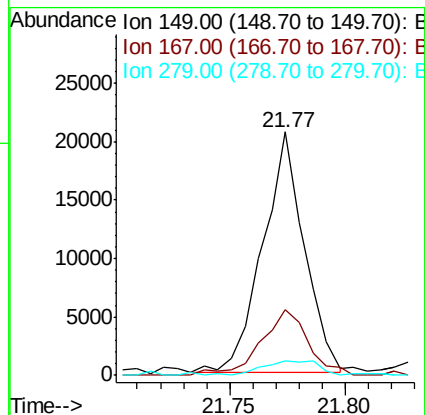
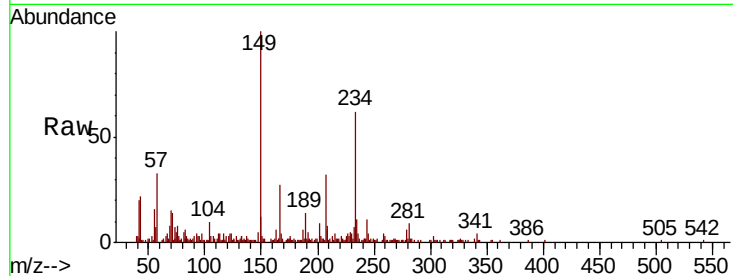




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.757 ng/ul
 RT: 21.77 min Scan# 3138
 Delta R.T. 0.00 min
 Lab File: BG047424.D
 Acq: 23 Nov 2020 19:53

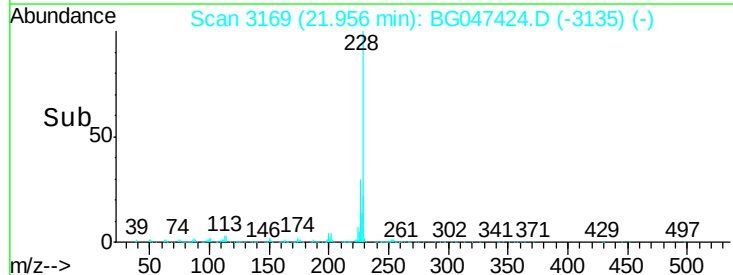
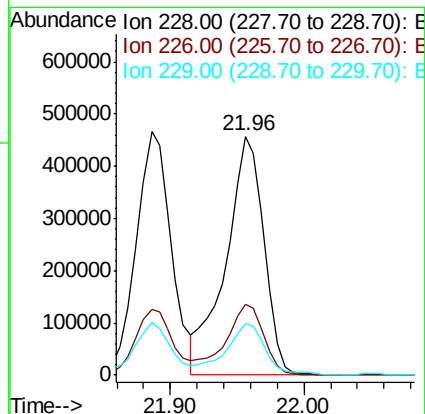
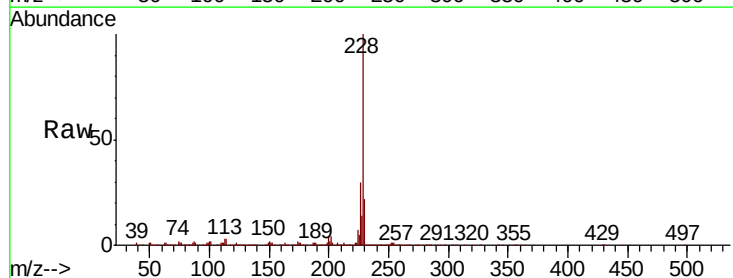
Instrument :
 BNA_G
 ClientSampled :
 C0B47

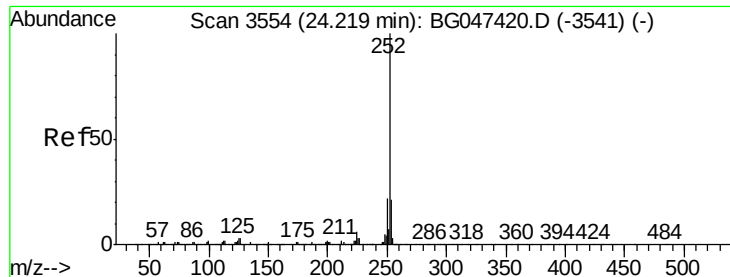
Tot Ion:149 Resp: 25683
 Ion Ratio Lower Upper
 149 100
 167 26.8 23.4 35.2
 279 5.8 5.9 8.9#



#85
 Chrysene
 Concen: 67.851 ng/ul
 RT: 21.96 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: BG047424.D
 Acq: 23 Nov 2020 19:53

Tgt Ion:228 Resp: 905690
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.3 33.5
 229 21.8 16.5 24.7





#88

Benzo(b)fluoranthene

Concen: 85.556 ng/ul

RT: 24.24 min Scan# 3558

Delta R.T. 0.02 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

Instrument :

BNA_G

ClientSampleId :

C0B47

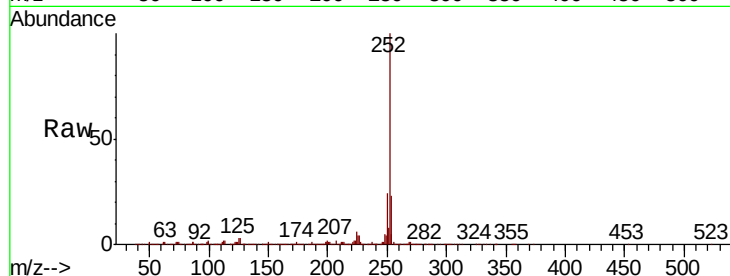
Tot Ion:252 Resp: 1282303

Ion Ratio Lower Upper

252 100

253 22.7 16.6 25.0

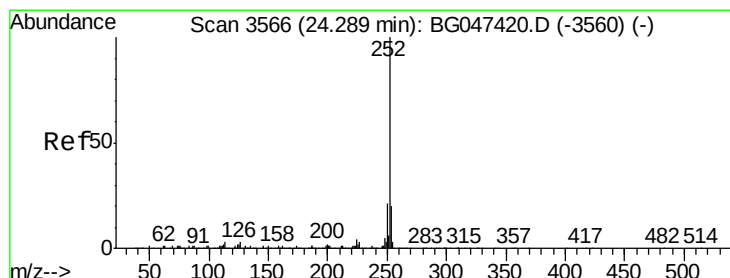
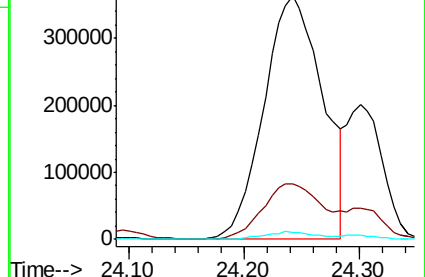
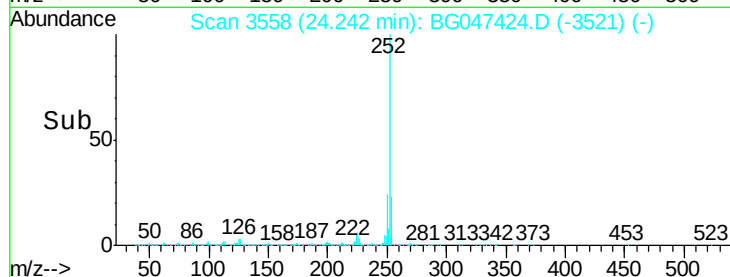
125 2.7 2.7 4.1#



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: 86.818 ng/ul

RT: 24.24 min Scan# 3558

Delta R.T. -0.05 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

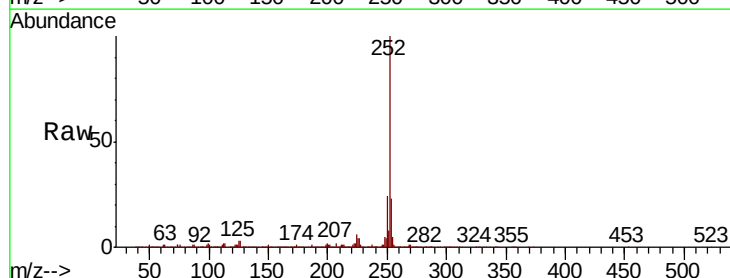
Tgt Ion:252 Resp: 1282303

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.4

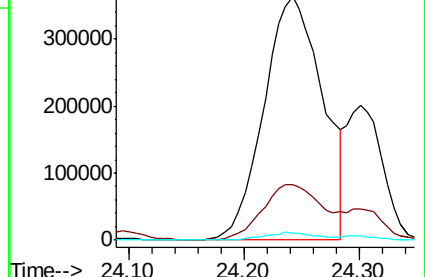
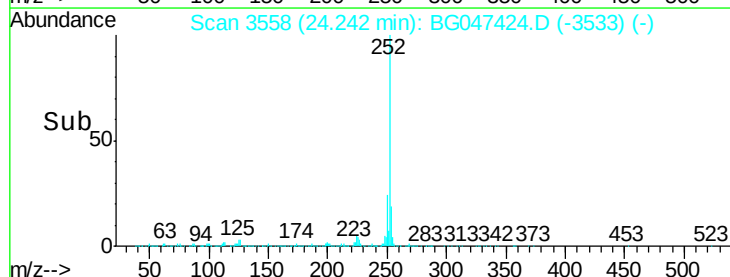
125 2.7 2.2 3.2

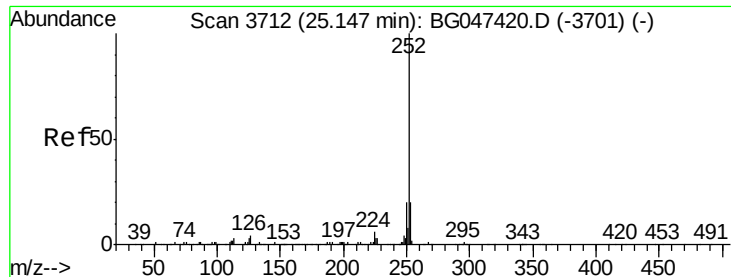


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 62.330 ng/ul

RT: 25.16 min Scan# 3715

Delta R.T. 0.02 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

Instrument :

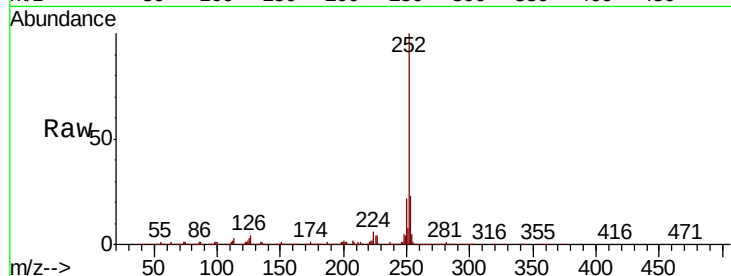
BNA_G

ClientSampleId :

C0B47

Tot Ion:252 Resp: 832789

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.6	27.8
125	3.2	3.1	4.7

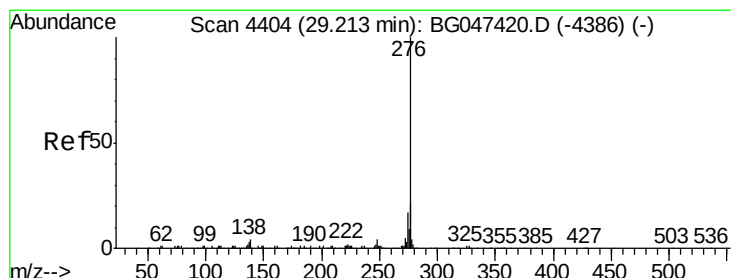
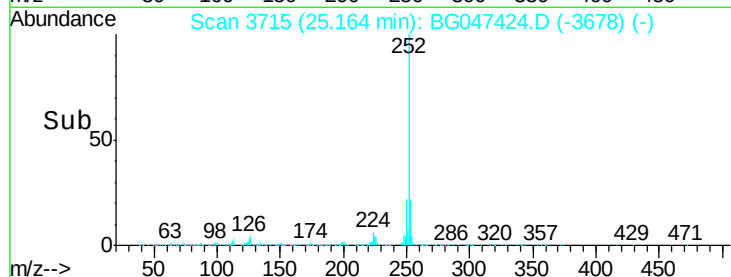
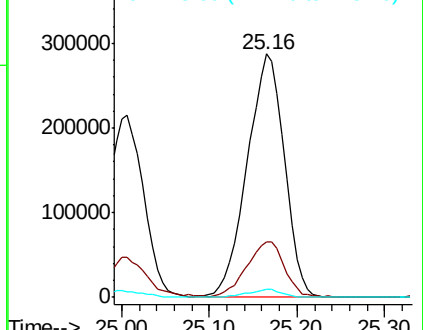


Abundance

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: 36.486 ng/ul

RT: 29.25 min Scan# 4410

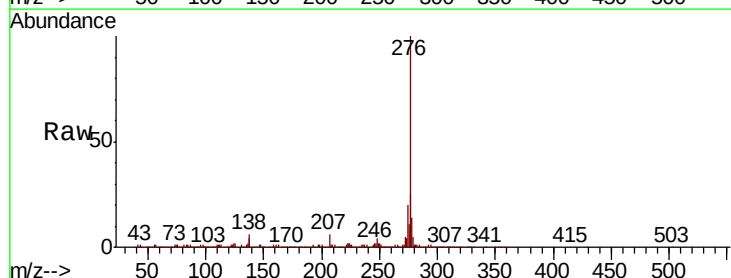
Delta R.T. 0.03 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

Tgt Ion:276 Resp: 592977

Ion	Ratio	Lower	Upper
276	100		
138	5.9	5.0	7.6
277	25.1	16.5	24.7

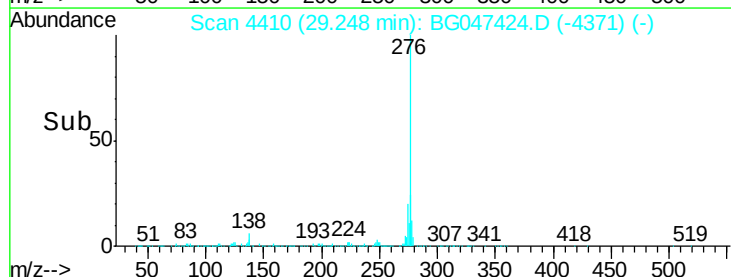
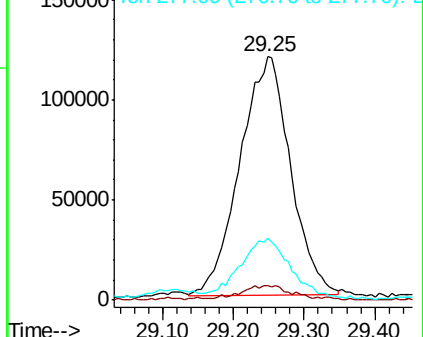


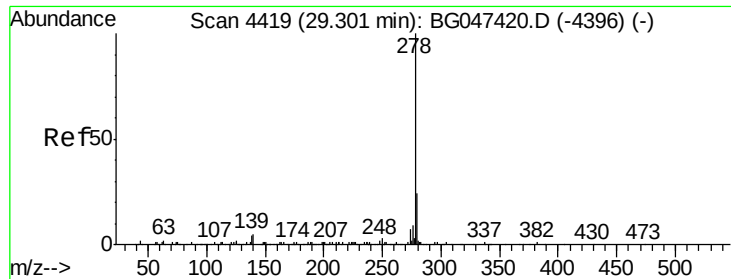
Abundance

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: 9.844 ng/ul

RT: 29.30 min Scan# 4419

Delta R.T. 0.01 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

Instrument :

BNA_G

ClientSampleId :

C0B47

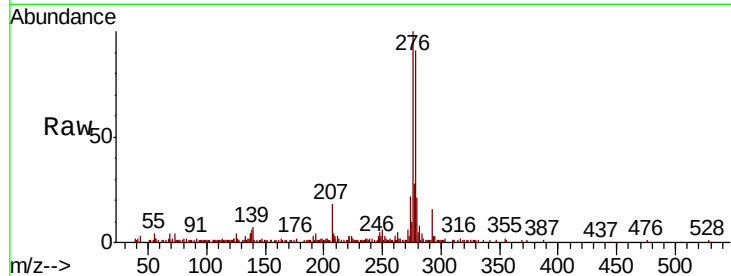
Tot Ion:278 Resp: 131167

Ion Ratio Lower Upper

278 100

139 7.7 4.6 7.0#

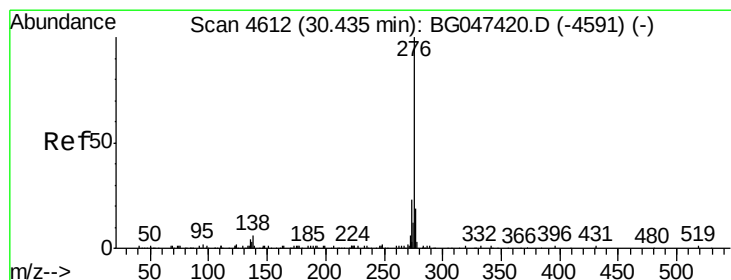
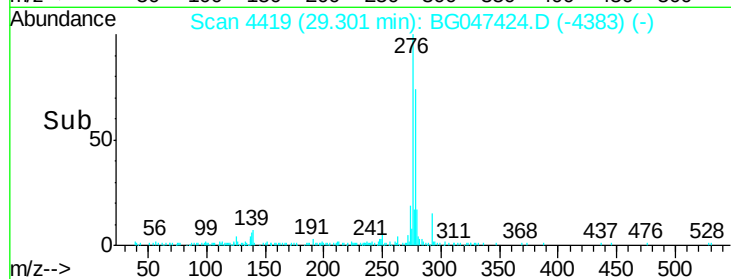
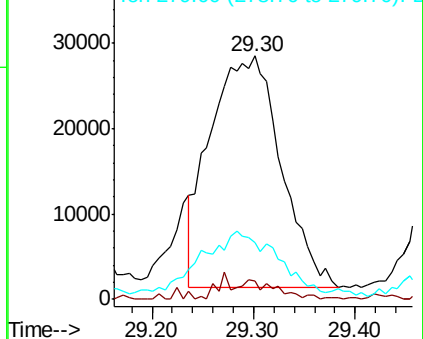
279 23.1 18.2 27.2



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: 38.084 ng/ul

RT: 30.47 min Scan# 4618

Delta R.T. 0.02 min

Lab File: BG047424.D

Acq: 23 Nov 2020 19:53

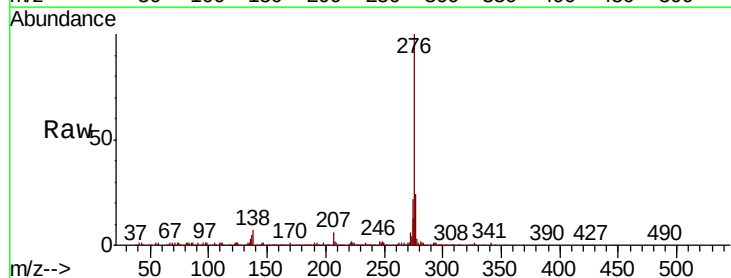
Tgt Ion:276 Resp: 510714

Ion Ratio Lower Upper

276 100

138 6.8 5.8 8.6

277 24.2 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

