

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047428.D
 Acq On : 24 Nov 2020 1:45
 Operator : CG/JU
 Sample : L4749-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B13

Quant Time: Nov 24 03:14:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 23 13:14:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	42264	20.00	ng/ul	0.00
18) Naphthalene-d8	11.11	136	169993	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	121935	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.72	188	177393	20.00	ng/ul	0.10
78) Chrysene-d12	21.90	240	222504	20.00	ng/ul	0.00
86) Perylene-d12	25.32	264	243333	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	1289	1.11	ng/uL	0.00
5) Phenol-d5	7.41	99	43001	10.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	25538	10.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	35673	12.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	30363	9.32	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	16935	12.06	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	19932	13.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	40641	11.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	39976	11.27	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	132605	12.67	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	159797	13.21	ng/ul	0.00
52) 4-Nitrophenol-d4	15.05	143	13535	8.47	ng/ul	0.00
58) Fluorene-d10	15.87	176	121747	12.70	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.98	200	6690	6.63	ng/ul	0.00
71) Anthracene-d10	17.72	188	177393	20.16	ng/ul	0.00
79) Pyrene-d10	19.98	212	201925	15.59	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.07	264	205165	14.65	ng/ul	0.00

Target Compounds

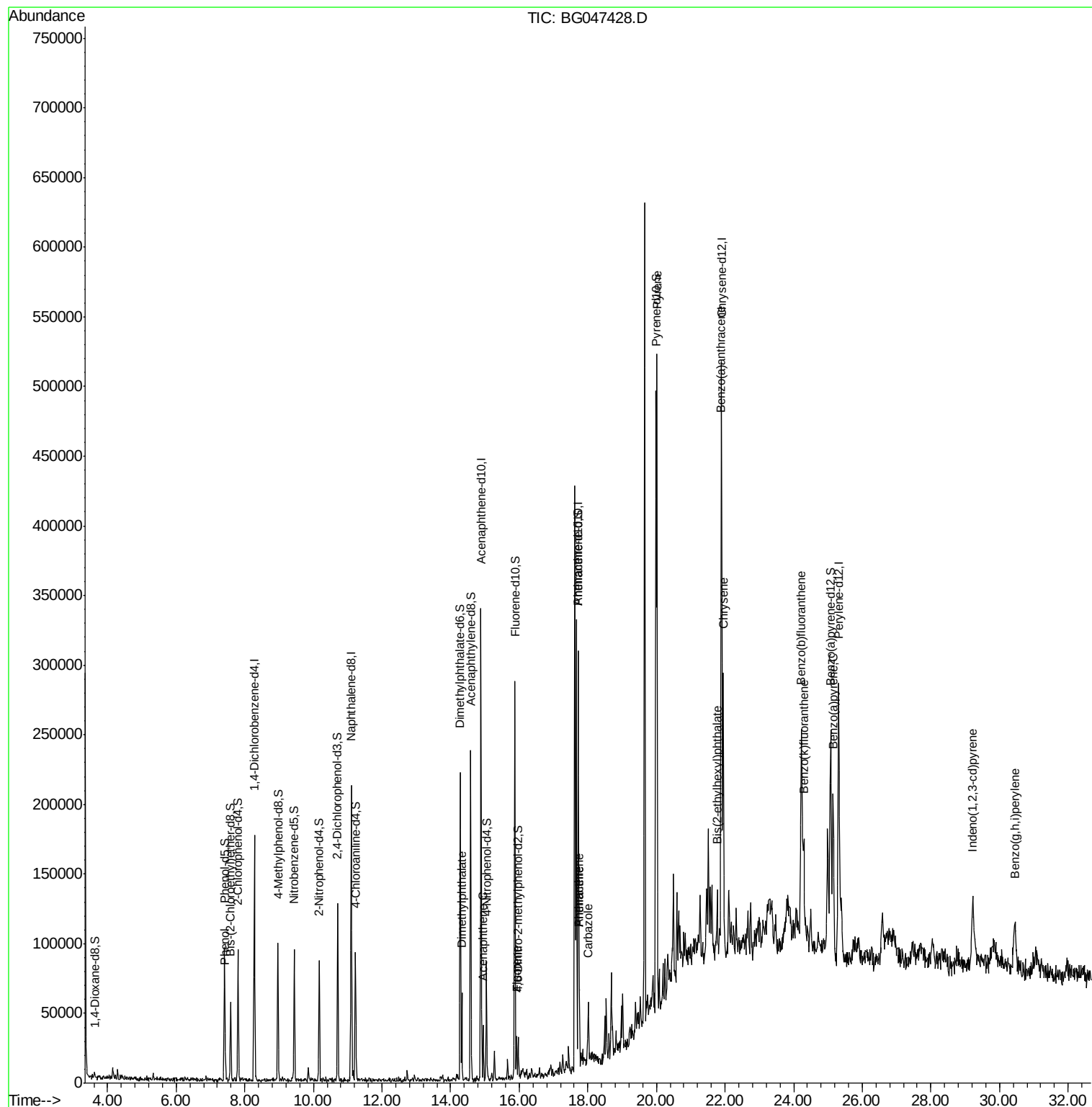
					Ovalue	
6) Phenol	7.43	94	7134	1.757	ng/ul#	81
45) Dimethylphthalate	14.32	163	34274	3.210	ng/ul	97
50) Acenaphthene	14.95	153	15920	2.019	ng/ul	94
59) Fluorene	15.92	166	12492	1.280	ng/ul#	94
70) Phenanthrene	17.75	178	41983	4.383	ng/ul	98
72) Anthracene	17.75	178	40678	4.217	ng/ul	97
75) Carbazole	18.01	167	26111	3.355	ng/ul	94
80) Pyrene	20.01	202	301202	19.110	ng/ul	99
83) Benzo(a)anthracene	21.88	228	166433	10.513	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.77	149	12021	1.558	ng/ul#	98
85) Chrysene	21.95	228	159113	10.561	ng/ul	95
88) Benzo(b)fluoranthene	24.23	252	217034	12.632	ng/ul#	94
89) Benzo(k)fluoranthene	24.29	252	64025	3.782	ng/ul	92
91) Benzo(a)pyrene	25.15	252	151455	9.889	ng/ul	93
92) Indeno(1,2,3-cd)pyrene	29.22	276	57619	3.093	ng/ul#	93
94) Benzo(g,h,i)perylene	30.44	276	36834	2.396	ng/ul#	92

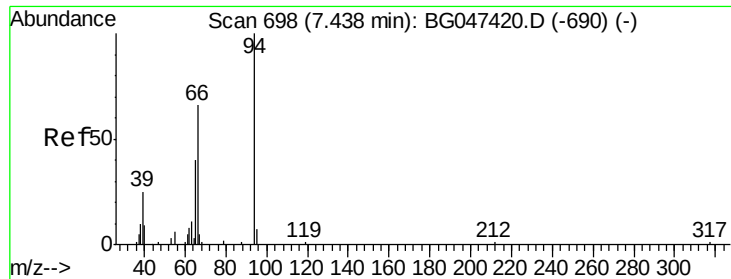
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 1.757 ng/ul

RT: 7.43 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

Instrument :

BNA_G

ClientSampleId :

C0B13

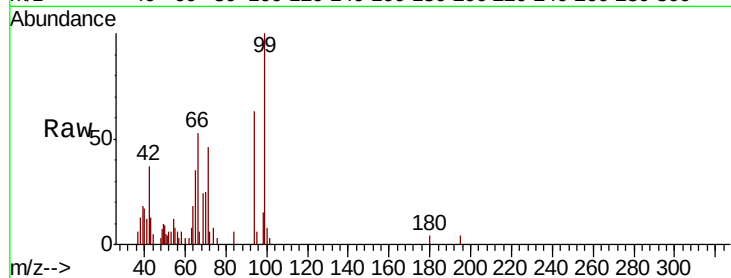
Tot Ion: 94 Resp: 7134

Ion Ratio Lower Upper

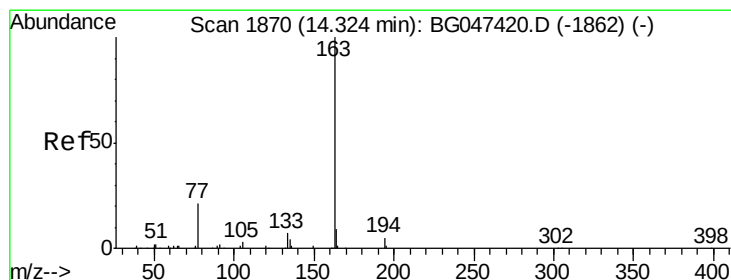
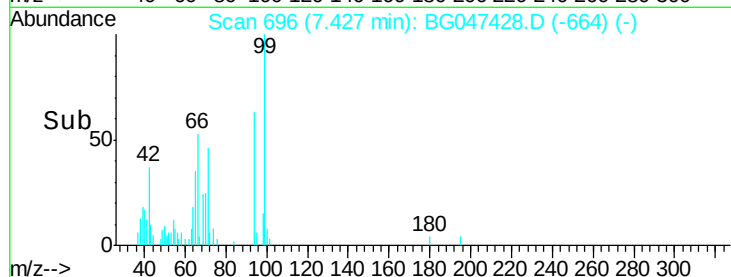
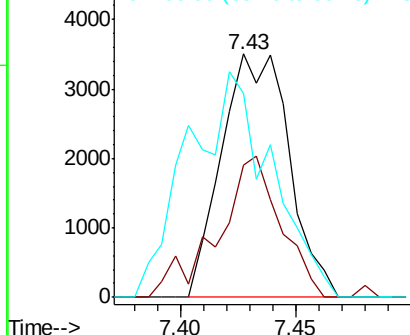
94 100

65 54.6 37.8 56.8

66 83.7 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: 3.210 ng/ul

RT: 14.32 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

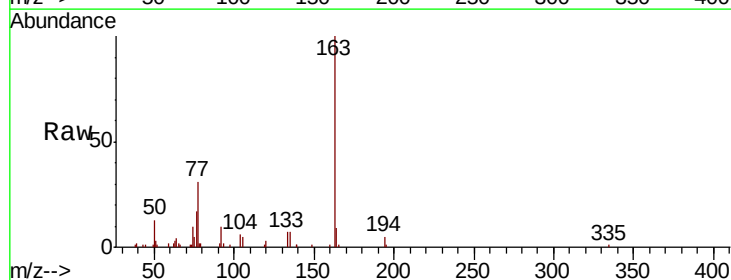
Tgt Ion:163 Resp: 34274

Ion Ratio Lower Upper

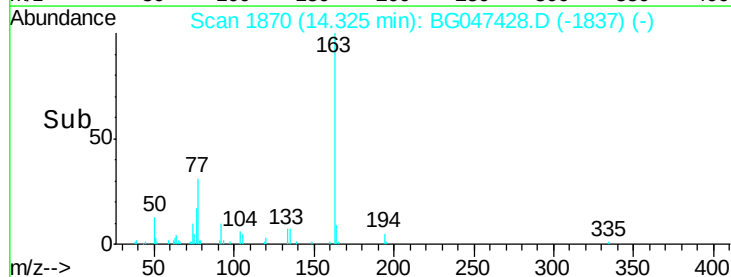
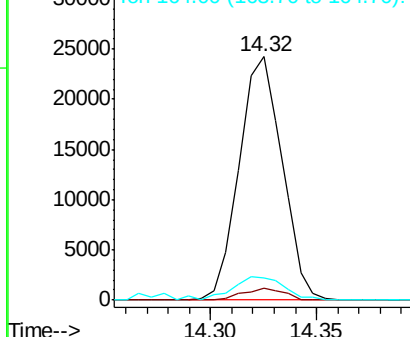
163 100

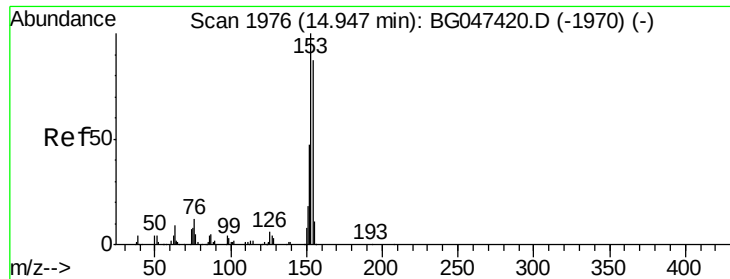
194 5.1 3.6 5.4

164 9.3 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: 2.019 ng/ul

RT: 14.95 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

Instrument :

BNA_G

ClientSampled :

C0B13

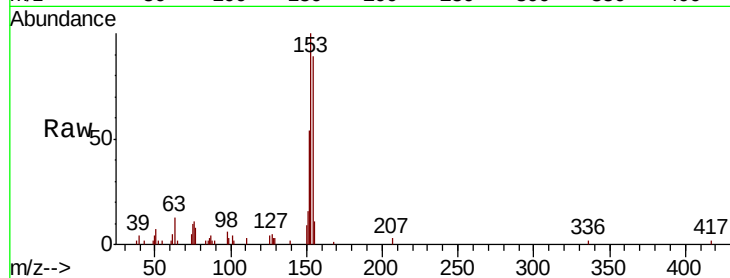
Tot Ion:153 Resp: 15920

Ion Ratio Lower Upper

153 100

152 54.5 36.9 55.3

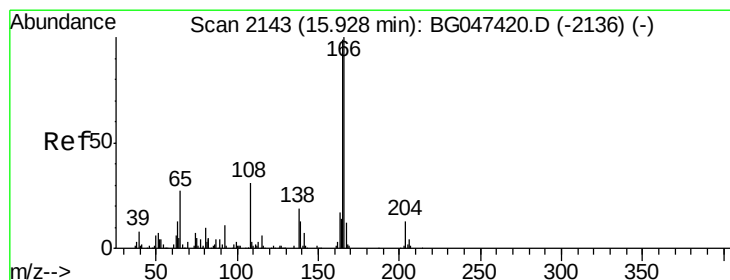
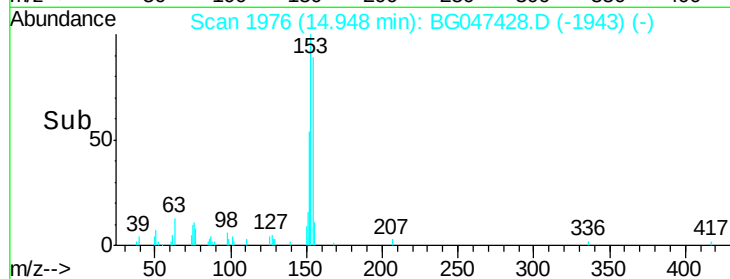
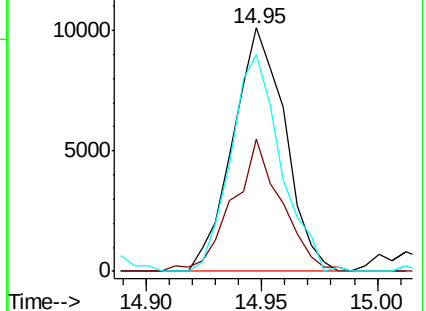
154 88.9 69.7 104.5



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: 1.280 ng/ul

RT: 15.92 min Scan# 2142

Delta R.T. -0.01 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

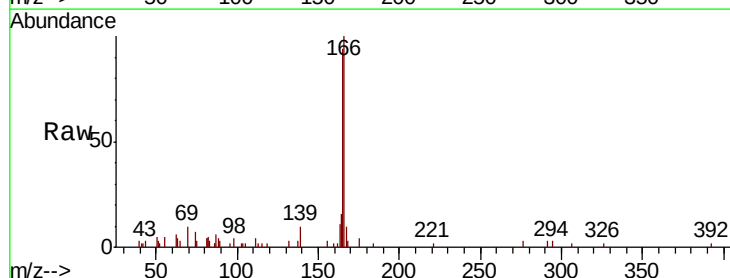
Tgt Ion:166 Resp: 12492

Ion Ratio Lower Upper

166 100

165 93.8 79.8 119.6

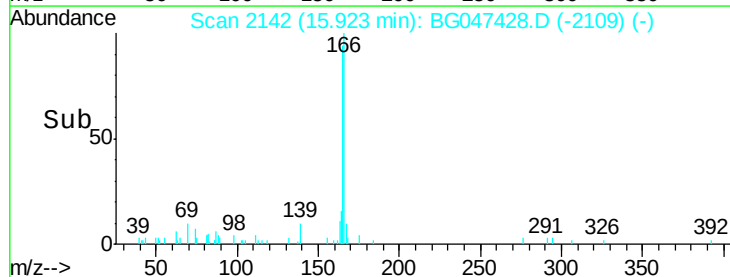
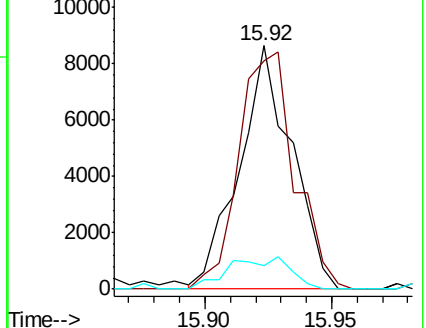
167 9.6 10.8 16.2#

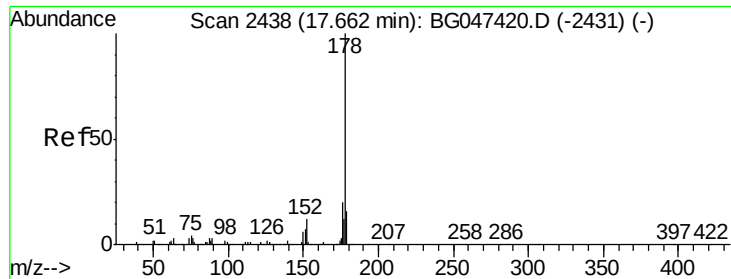


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 4.383 ng/ul

RT: 17.75 min Scan# 2453

Delta R.T. 0.08 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

Instrument :

BNA_G

ClientSampleId :

C0B13

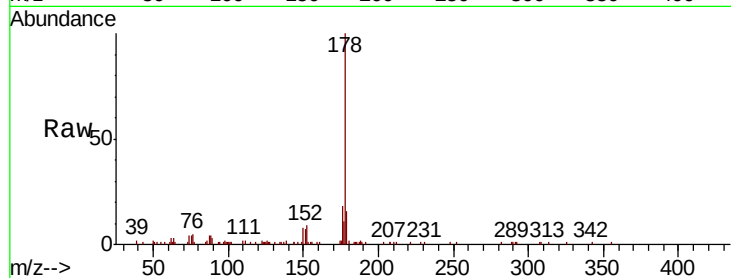
Tot Ion:178 Resp: 41983

Ion Ratio Lower Upper

178 100

179 16.0 11.8 17.6

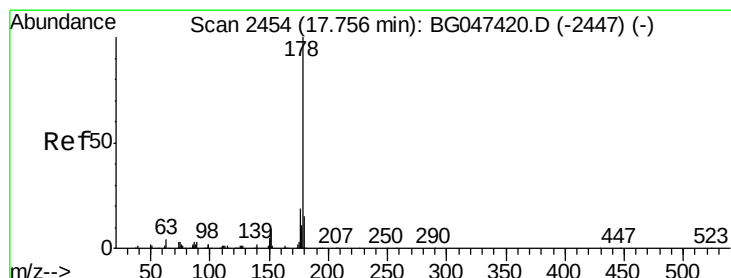
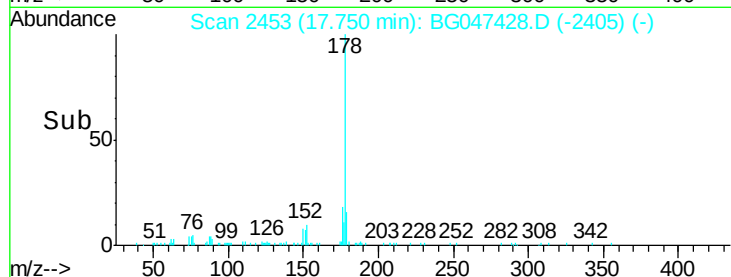
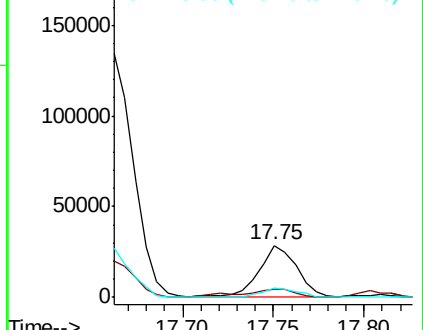
176 18.0 13.9 20.9



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: 4.217 ng/ul

RT: 17.75 min Scan# 2453

Delta R.T. -0.01 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

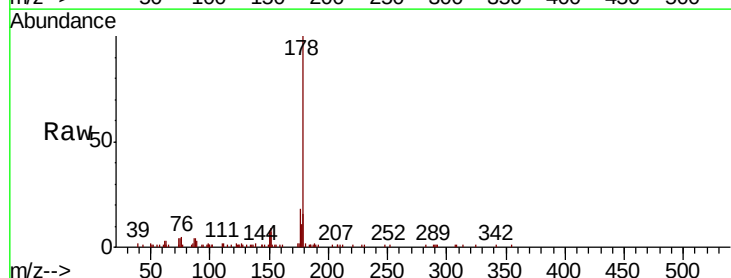
Tgt Ion:178 Resp: 40678

Ion Ratio Lower Upper

178 100

179 16.0 11.7 17.5

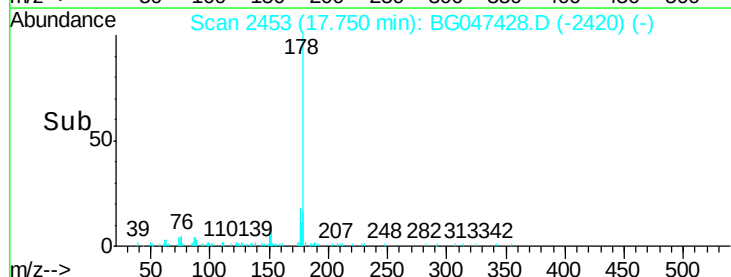
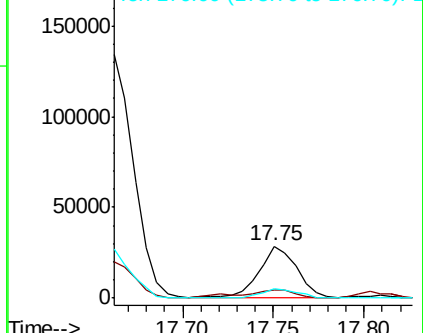
176 18.0 15.4 23.0

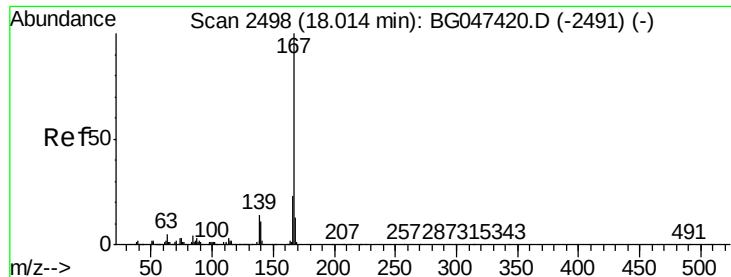


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 3.355 ng/ul

RT: 18.01 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

Instrument :

BNA_G

ClientSampleId :

C0B13

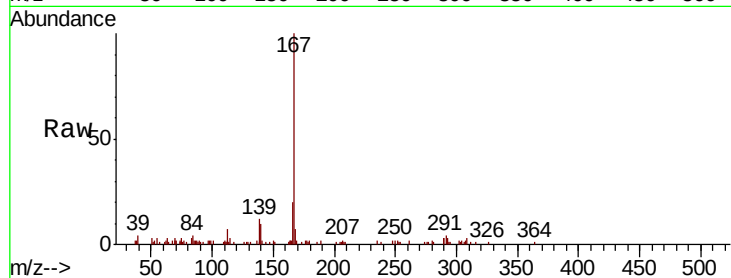
Tot Ion:167 Resp: 26111

Ion Ratio Lower Upper

167 100

166 20.1 19.2 28.8

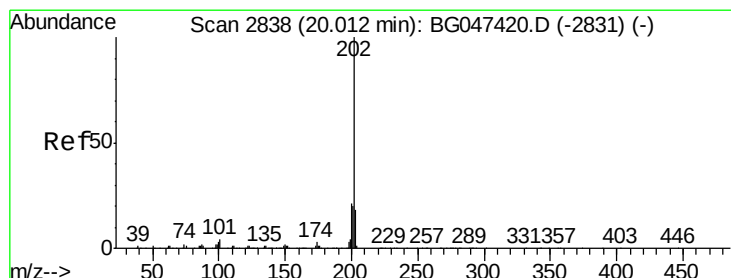
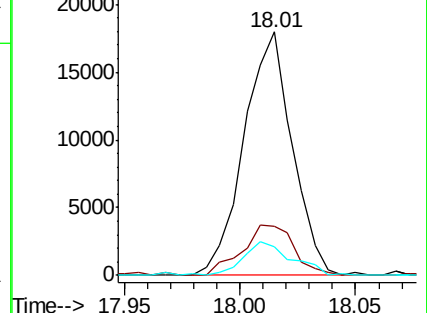
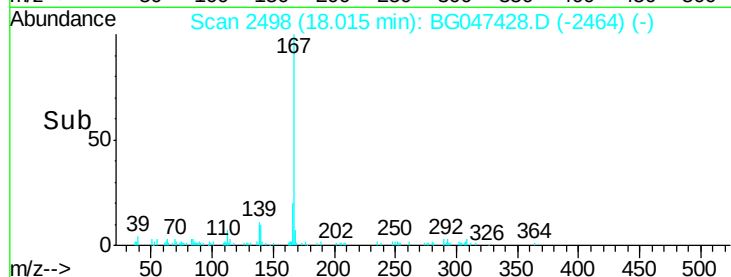
139 12.0 10.0 15.0



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



#80

Pyrene

Concen: 19.110 ng/ul

RT: 20.01 min Scan# 2838

Delta R.T. 0.00 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

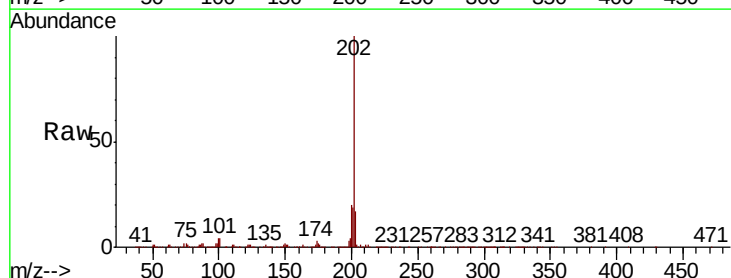
Tgt Ion:202 Resp: 301202

Ion Ratio Lower Upper

202 100

101 4.4 3.5 5.3

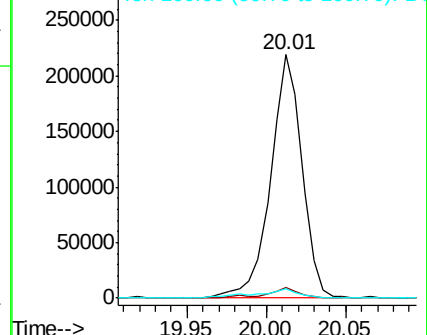
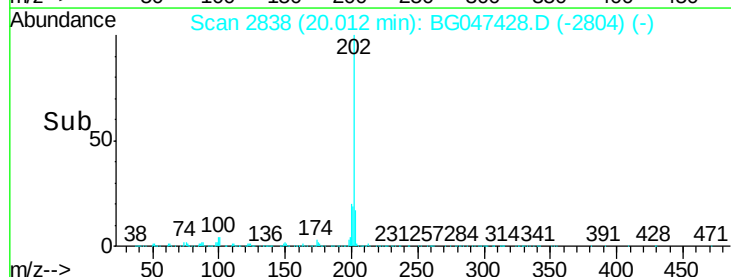
100 3.7 3.4 5.0

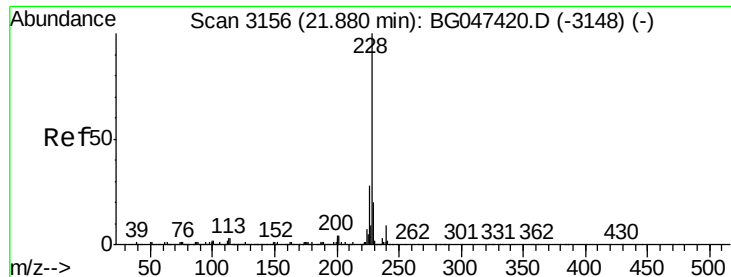


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#83

Benzo(a)anthracene

Concen: 10.513 ng/ul

RT: 21.88 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

Instrument :

BNA_G

ClientSampleId :

C0B13

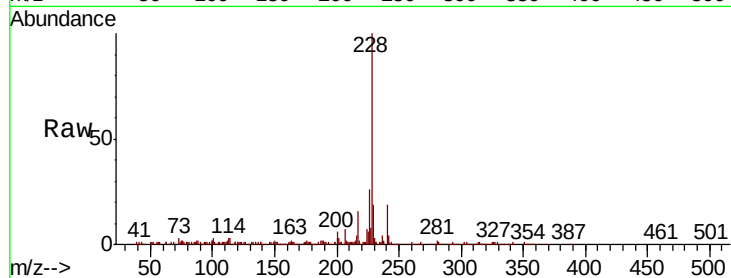
Tot Ion:228 Resp: 166433

Ion Ratio Lower Upper

228 100

229 18.5 15.6 23.4

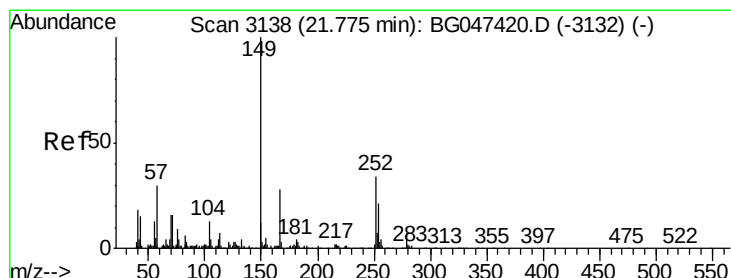
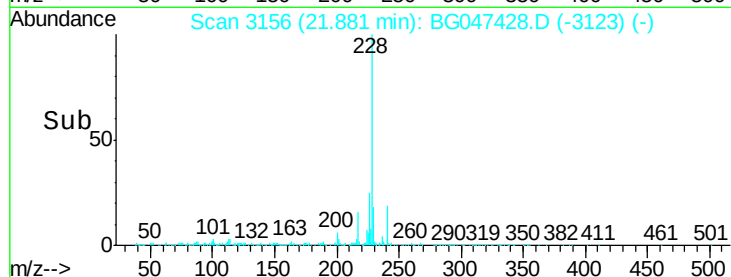
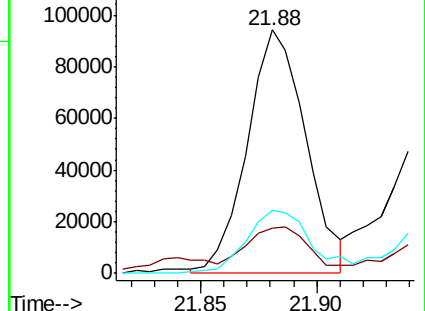
226 25.7 21.7 32.5



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: 1.558 ng/ul

RT: 21.77 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

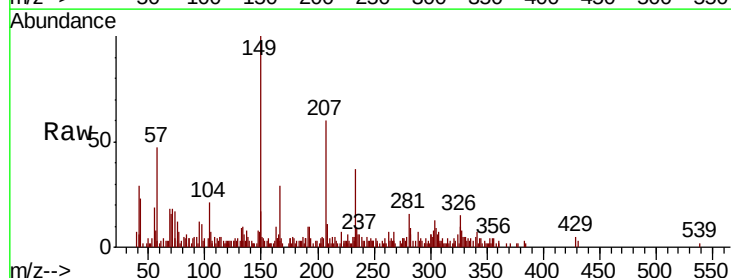
Tgt Ion:149 Resp: 12021

Ion Ratio Lower Upper

149 100

167 29.0 23.4 35.2

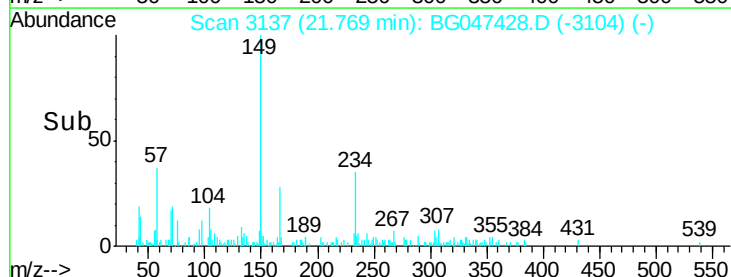
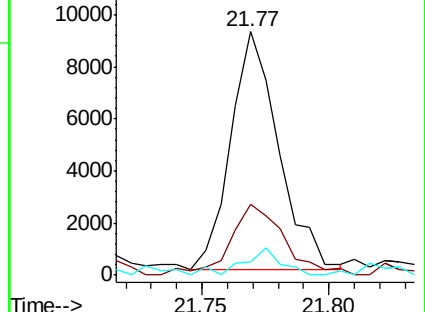
279 5.3 5.9 8.9#

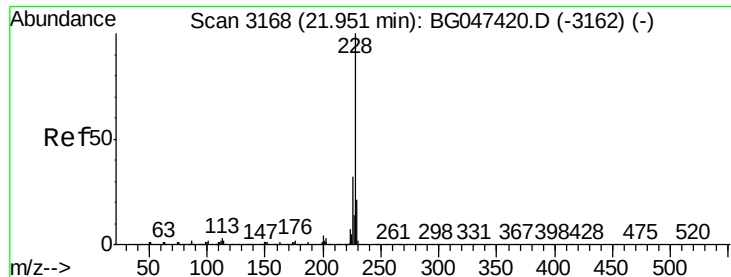


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 10.561 ng/ul

RT: 21.95 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

Instrument :

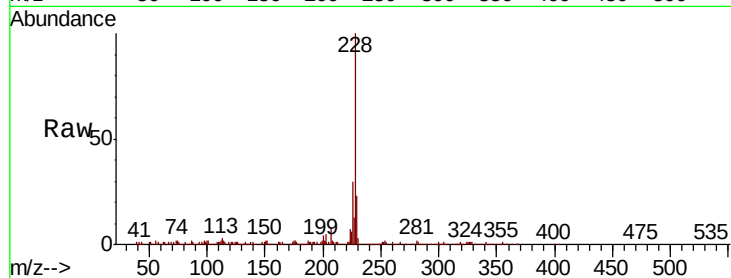
BNA_G

ClientSampleId :

C0B13

Tot Ion:228 Resp: 159113

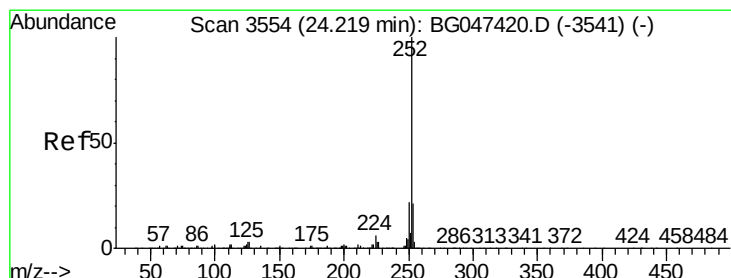
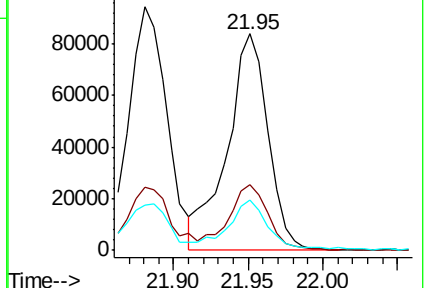
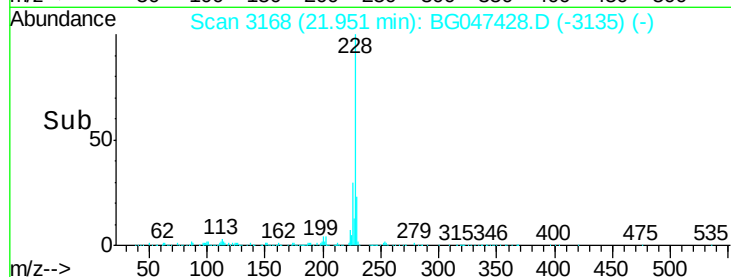
Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.3	33.5
229	23.4	16.5	24.7



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: 12.632 ng/ul

RT: 24.23 min Scan# 3555

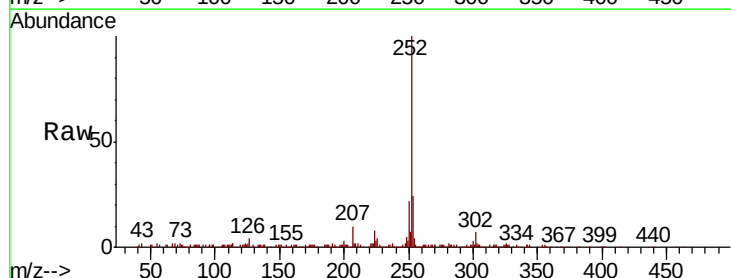
Delta R.T. 0.00 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

Tgt Ion:252 Resp: 217034

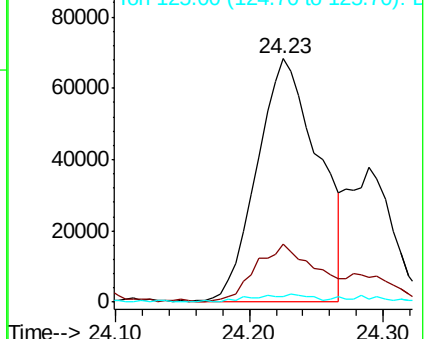
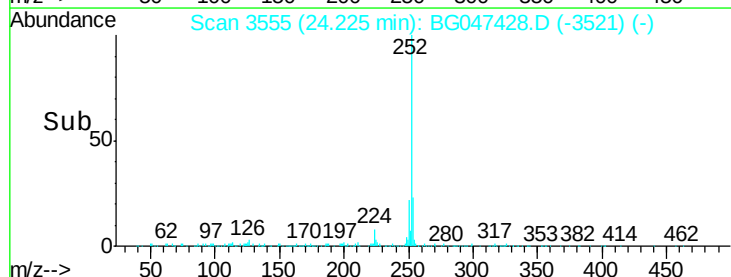
Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.6	25.0
125	2.2	2.7	4.1#

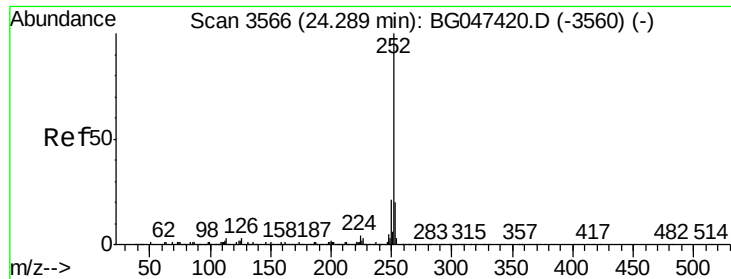


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.782 ng/ul

RT: 24.29 min Scan# 3566

Delta R.T. -0.01 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

Instrument :

BNA_G

ClientSampleId :

C0B13

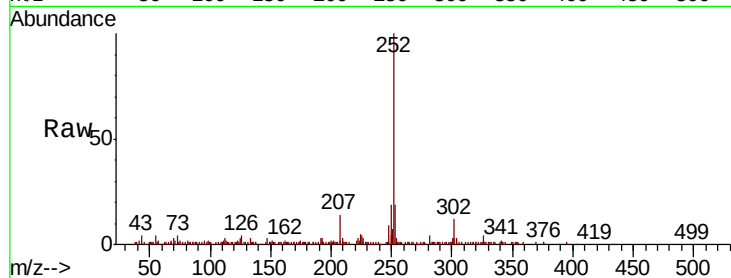
Tot Ion:252 Resp: 64025

Ion Ratio Lower Upper

252 100

253 18.6 18.2 27.4

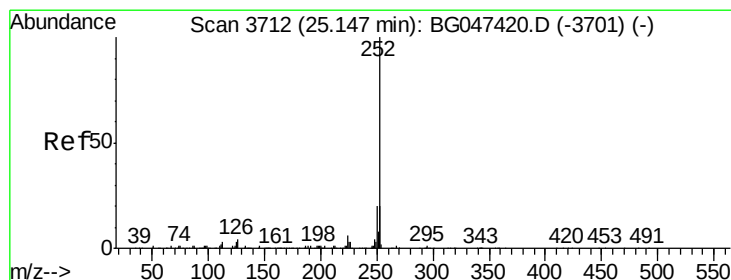
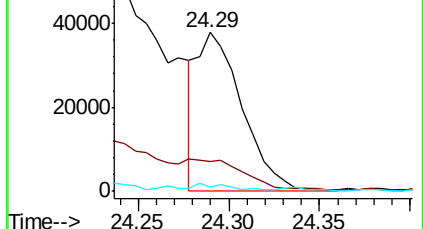
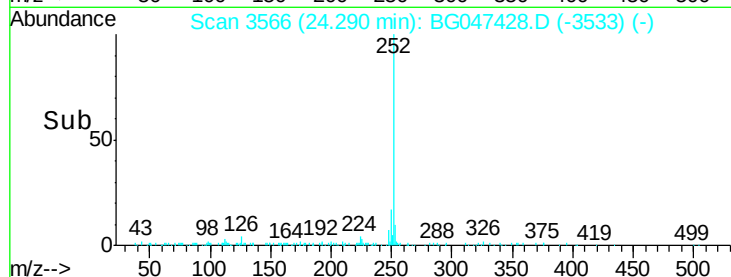
125 2.5 2.2 3.2



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



#91

Benzo(a)pyrene

Concen: 9.889 ng/ul

RT: 25.15 min Scan# 3712

Delta R.T. 0.00 min

Lab File: BG047428.D

Acq: 24 Nov 2020 1:45

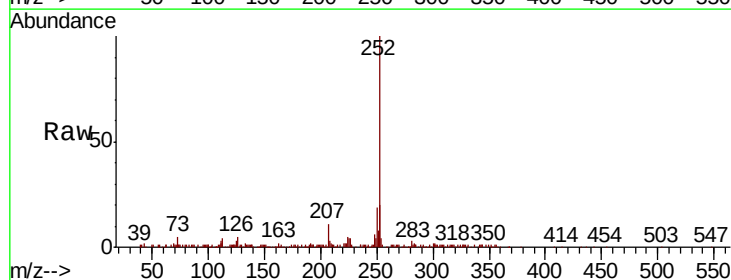
Tgt Ion:252 Resp: 151455

Ion Ratio Lower Upper

252 100

253 19.6 18.6 27.8

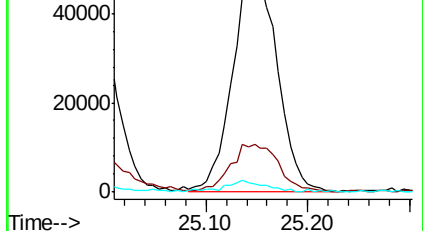
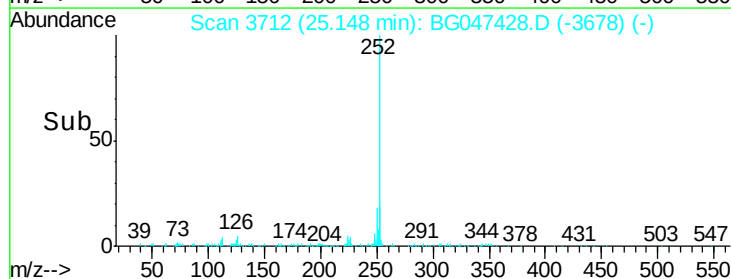
125 3.4 3.1 4.7

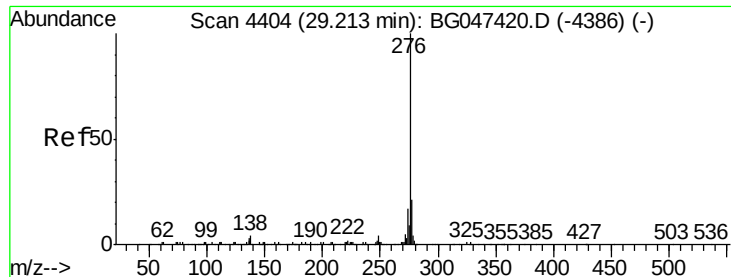


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



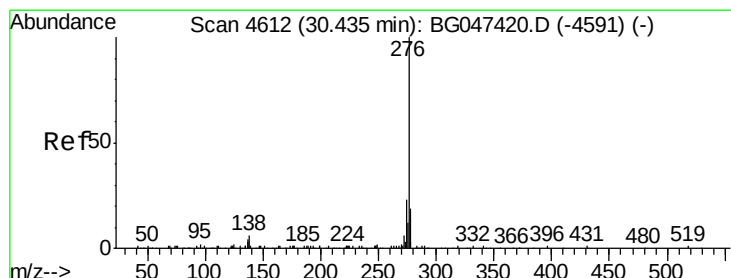
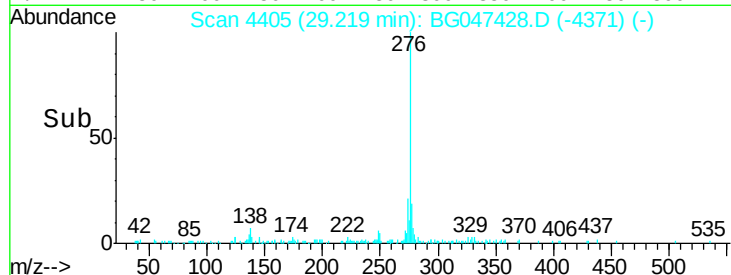
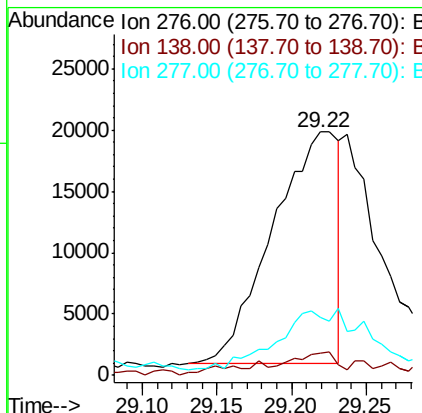
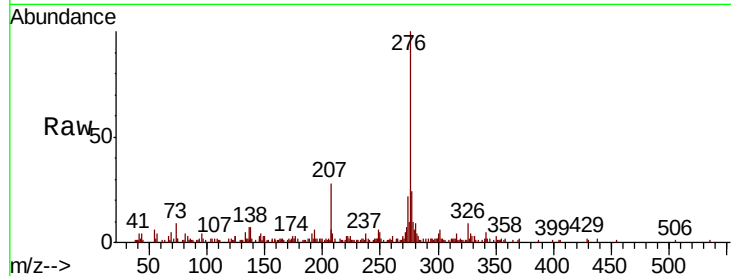


#92

Indeno(1,2,3-cd)pyrene
Concen: 3.093 ng/ul
RT: 29.22 min Scan# 4405
Delta R.T. 0.00 min
Lab File: BG047428.D
Acq: 24 Nov 2020 1:45

Instrument :
BNA_G
ClientSampleId :
C0B13

Tot Ion:276 Resp: 57619
Ion Ratio Lower Upper
276 100
138 9.0 5.0 7.6#
277 24.0 16.5 24.7



#94

Benzo(g,h,i)perylene
Concen: 2.396 ng/ul
RT: 30.44 min Scan# 4613
Delta R.T. -0.01 min
Lab File: BG047428.D
Acq: 24 Nov 2020 1:45

Tgt Ion:276 Resp: 36834
Ion Ratio Lower Upper
276 100
138 8.8 5.8 8.6#
277 25.9 17.4 26.2

