

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047427.D
 Acq On : 24 Nov 2020 1:05
 Operator : CG/JU
 Sample : L4749-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B17

Quant Time: Nov 24 02:11:01 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	44957	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	172187	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	123228	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.72	188	192467	20.00	ng/ul	0.10
78) Chrysene-d12	22.04	240	286	20.00	ng/ul	0.14
86) Perylene-d12	25.32	264	239598	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	639	0.52	ng/uL	0.00
5) Phenol-d5	7.41	99	51211	11.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.58	67	28019	10.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	39897	13.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	38648	11.15	ng/ul	0.00
19) Nitrobenzene-d5	9.45	128	20856	14.66	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	21926	14.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	47784	13.45	ng/ul	0.00
29) 4-Chloroaniline-d4	11.23	131	29008	8.07	ng/ul	0.00
44) Dimethylphthalate-d6	14.27	166	145482	13.75	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	176423	14.43	ng/ul	0.00
52) 4-Nitrophenol-d4	15.04	143	16644	10.31	ng/ul	0.00
58) Fluorene-d10	15.87	176	132999	13.72	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.98	200	8225	7.51	ng/ul	0.00
71) Anthracene-d10	17.72	188	192467	20.16	ng/ul	0.00
79) Pyrene-d10	20.08	212	468	28.12	ng/ul	0.10
90) Benzo(a)pyrene-d12	25.08	264	199522	14.47	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.44	94	8833	2.045	ng/ul#	82
45) Dimethylphthalate	14.32	163	20112	1.864	ng/ul	99
50) Acenaphthene	14.94	153	11301	1.418	ng/ul	89
59) Fluorene	15.93	166	13837	1.403	ng/ul#	81
64) 4,6-Dinitro-2-methylphenol	15.91	198	1635	1.426	ng/ul#	62
70) Phenanthrene	17.67	178	449723	43.269	ng/ul	95
72) Anthracene	17.75	178	75150	7.180	ng/ul	98
75) Carbazole	18.01	167	54575	6.464	ng/ul	96
77) Fluoranthene	19.66	202	1408646	107.315	ng/ul	99
80) Pyrene	20.02	202	1131700	55861.932	ng/ul	100
81) Butylbenzylphthalate	21.02	149	429	60.293	ng/ul#	60
82) 3,3'-Dichlorobenzidine	21.91	252	335	50.175	ng/ul#	1
83) Benzo(a)anthracene	21.96	228	834631	41014.986	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.77	149	72485	7308.511	ng/ul	99
85) Chrysene	21.96	228	834631	43099.801	ng/ul	96
88) Benzo(b)fluoranthene	24.25	252	1242905	73.471	ng/ul	95
89) Benzo(k)fluoranthene	24.30	252	386000	23.154	ng/ul	100
91) Benzo(a)pyrene	25.01	252	556172	36.880	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	29.25	276	537058	29.277	ng/ul#	93
93) Dibenzo(a,h)anthracene	29.29	278	141923	9.436	ng/ul#	88
94) Benzo(a,h,i)perylene	30.47	276	434583	28.711	ng/ul	99

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Misc :
ALS Vial : 15 Sample Multiplier: 1

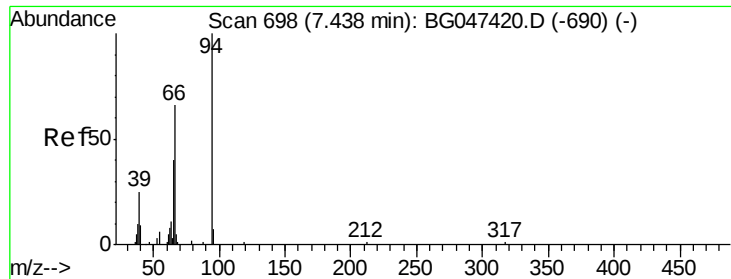
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Nov 24 02:11:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

```
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```



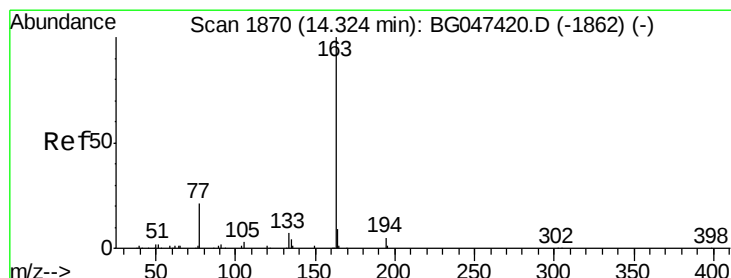
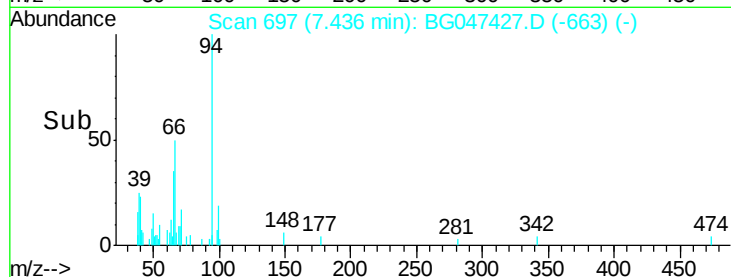
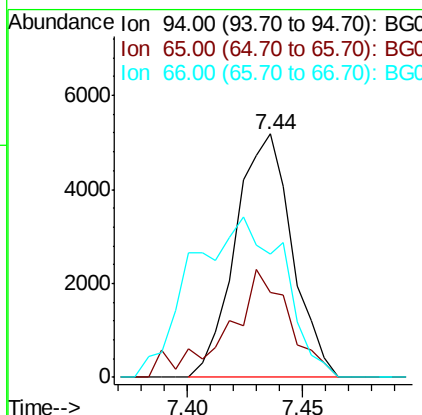
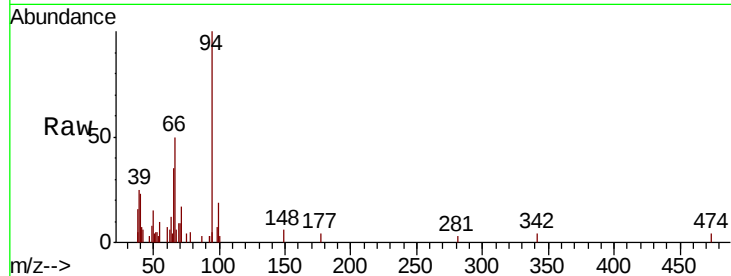
#6

Phenol

Concen: 2.045 ng/ul
 RT: 7.44 min Scan# 697
 Delta R.T. -0.00 min
 Lab File: BG047427.D
 Acq: 24 Nov 2020 1:05

Instrument :
 BNA_G
 ClientSampleId :
 C0B17

Tot Ion: 94 Resp: 8833
 Ion Ratio Lower Upper
 94 100
 65 34.7 37.8 56.8#
 66 50.5 51.6 77.4#

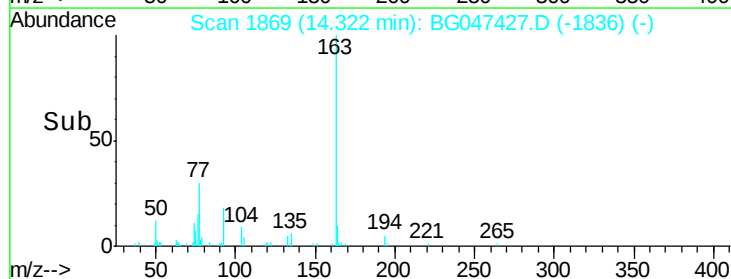
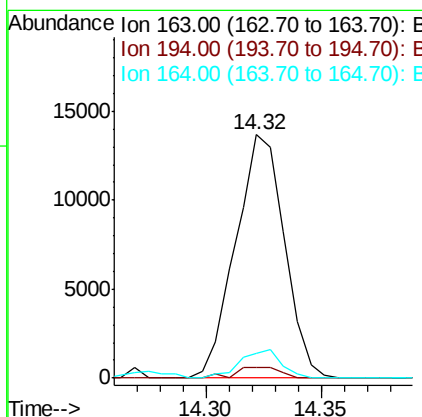
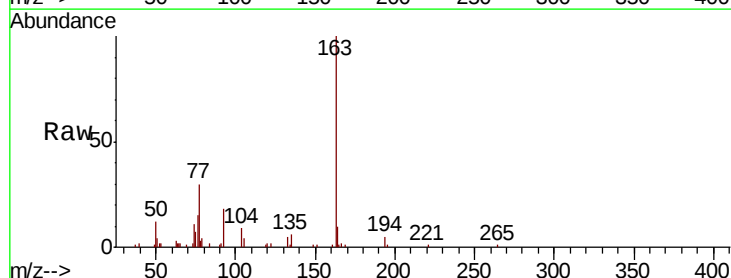


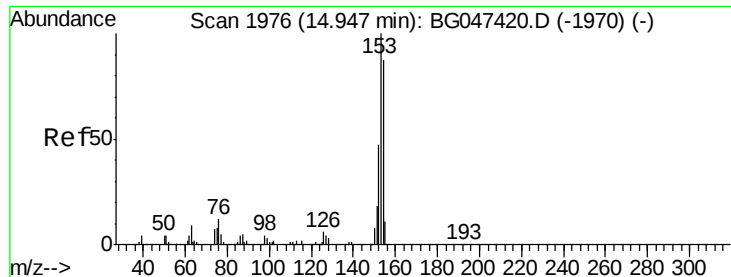
#45

Dimethylphthalate

Concen: 1.864 ng/ul
 RT: 14.32 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: BG047427.D
 Acq: 24 Nov 2020 1:05

Tgt Ion: 163 Resp: 20112
 Ion Ratio Lower Upper
 163 100
 194 4.6 3.6 5.4
 164 10.2 8.5 12.7





#50

Acenaphthene

Concen: 1.418 ng/ul

RT: 14.94 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

Instrument :

BNA_G

ClientSampleId :

C0B17

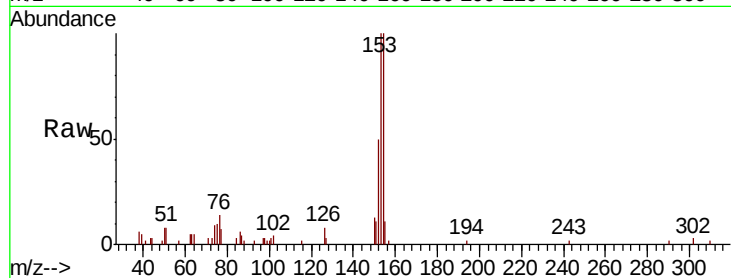
Tot Ion:153 Resp: 11301

Ion Ratio Lower Upper

153 100

152 50.4 36.9 55.3

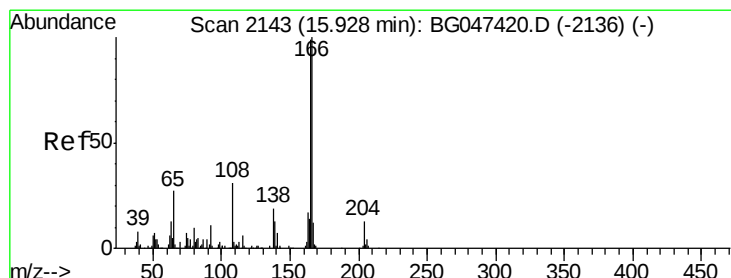
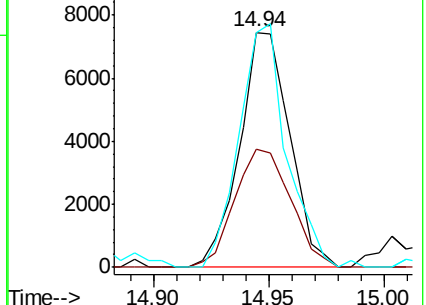
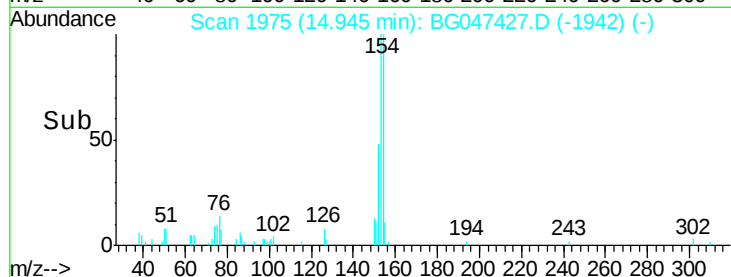
154 99.9 69.7 104.5



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: 1.403 ng/ul

RT: 15.93 min Scan# 2142

Delta R.T. -0.00 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

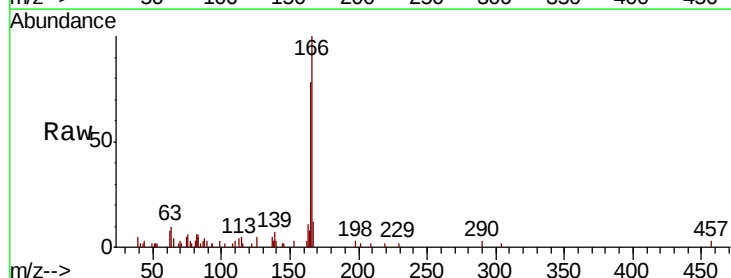
Tgt Ion:166 Resp: 13837

Ion Ratio Lower Upper

166 100

165 78.4 79.8 119.6#

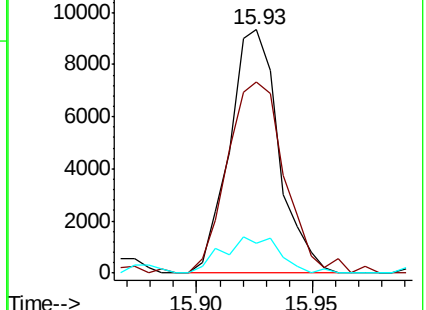
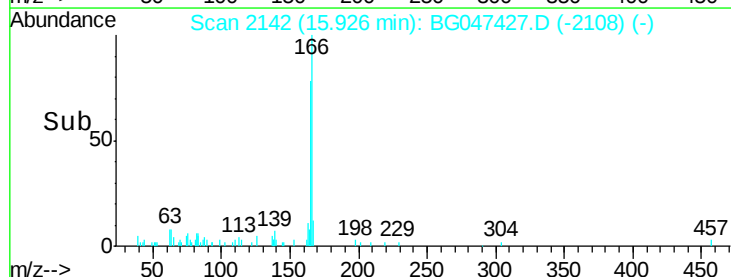
167 12.3 10.8 16.2

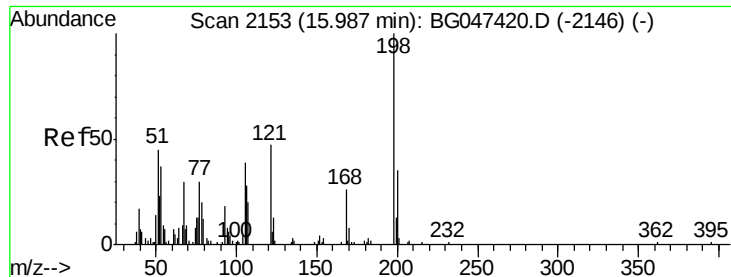


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 1.426 ng/ul

RT: 15.91 min Scan# 2139

Delta R.T. -0.08 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

Instrument :

BNA_G

ClientSampleId :

C0B17

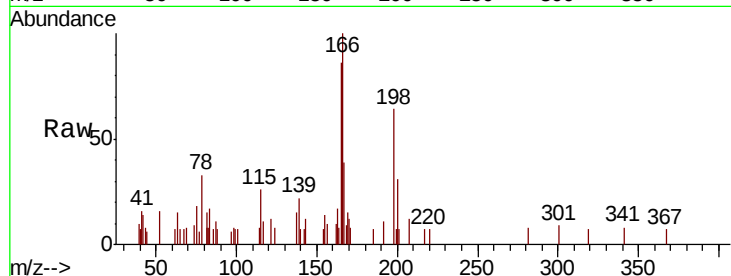
Tot Ion:198 Resp: 1635

Ion Ratio Lower Upper

198 100

182 0.0 3.5 5.3#

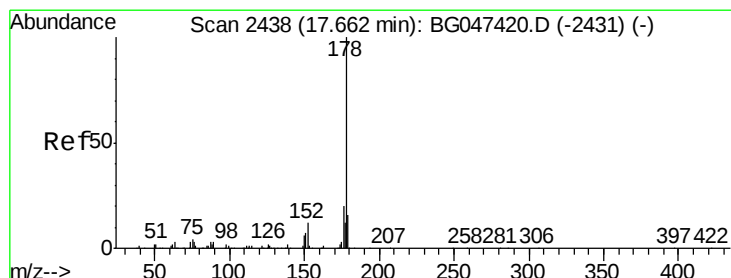
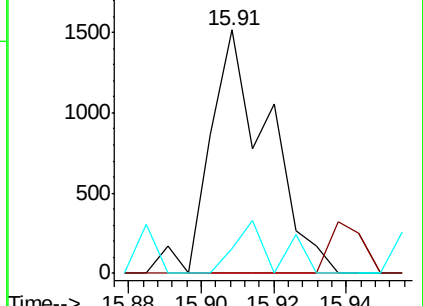
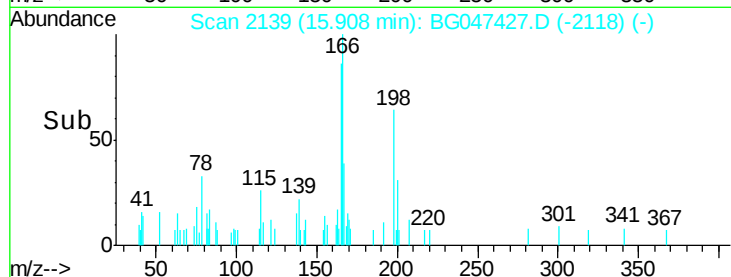
77 10.2 26.6 40.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BGC



#70

Phenanthrene

Concen: 43.269 ng/ul

RT: 17.67 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

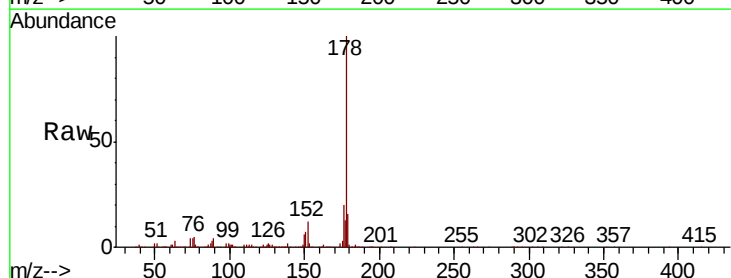
Tgt Ion:178 Resp: 449723

Ion Ratio Lower Upper

178 100

179 16.0 11.8 17.6

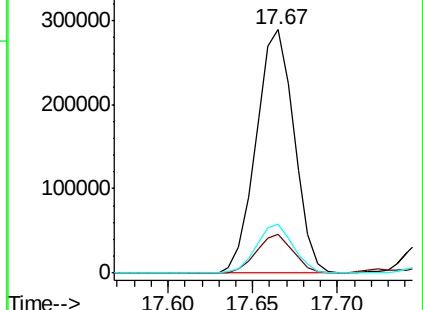
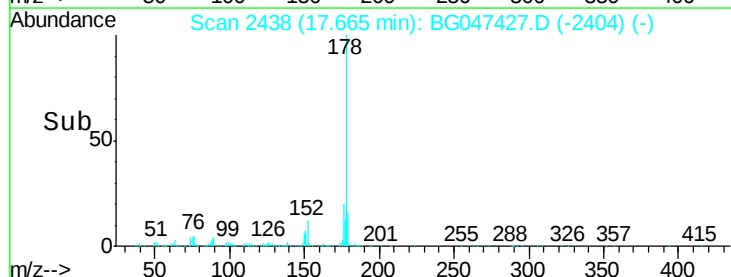
176 20.0 13.9 20.9

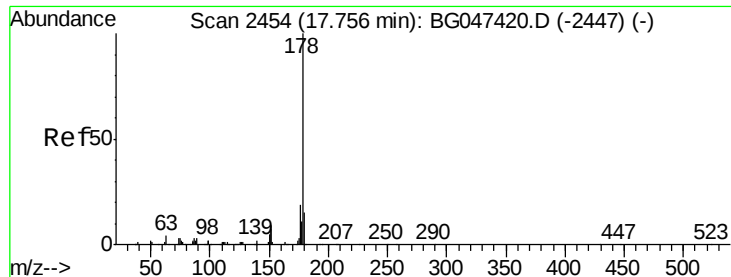


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 7.180 ng/ul

RT: 17.75 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

Instrument :

BNA_G

ClientSampleId :

C0B17

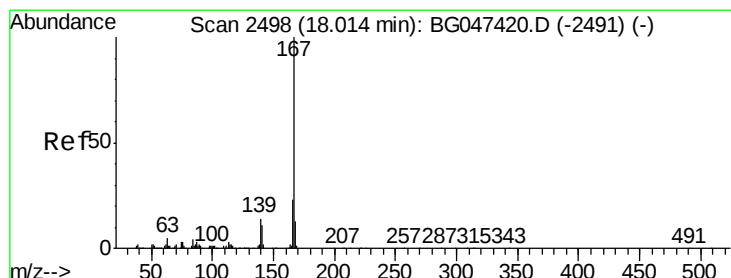
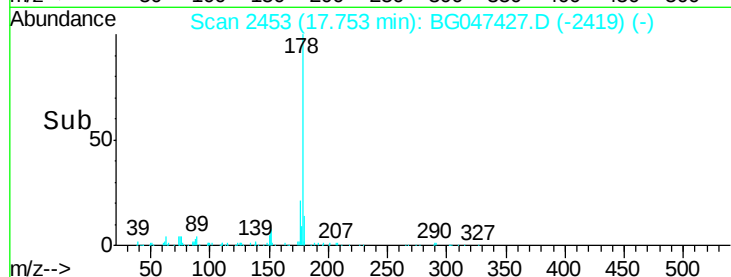
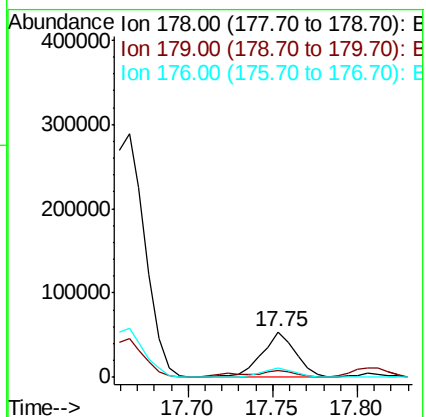
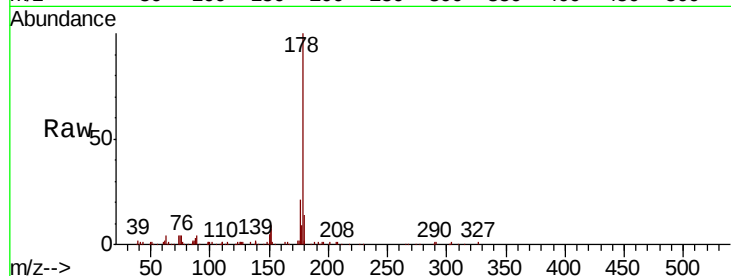
Tot Ion:178 Resp: 75150

Ion Ratio Lower Upper

178 100

179 14.4 11.7 17.5

176 21.0 15.4 23.0



#75

Carbazole

Concen: 6.464 ng/ul

RT: 18.01 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

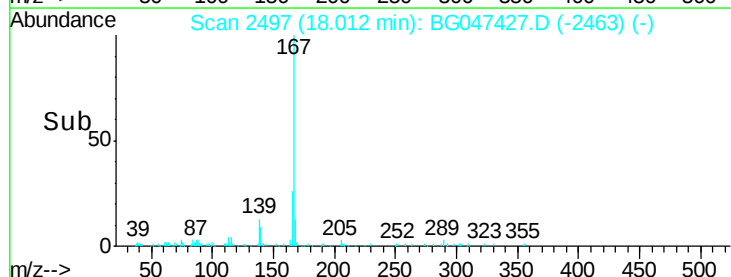
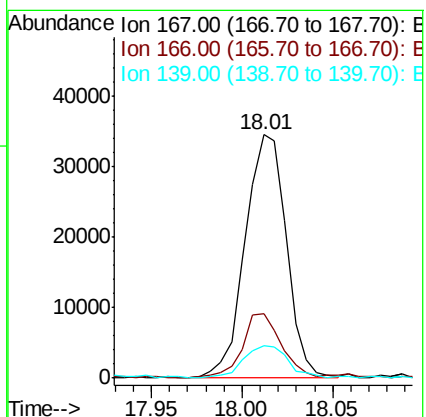
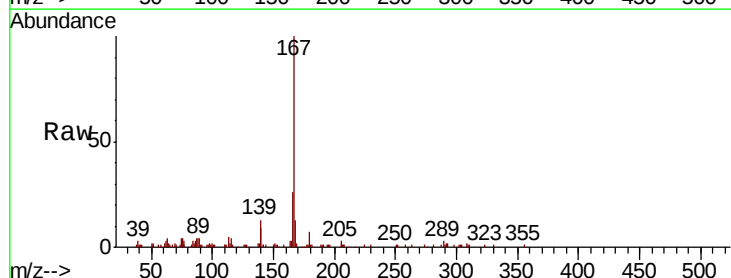
Tgt Ion:167 Resp: 54575

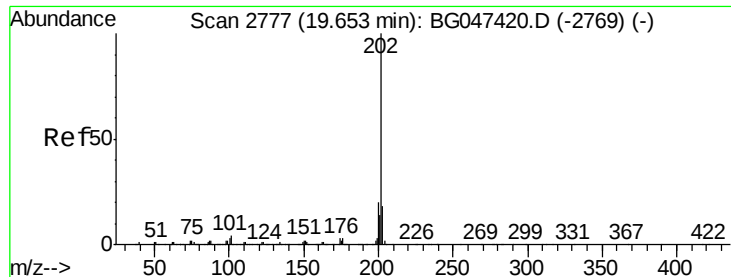
Ion Ratio Lower Upper

167 100

166 26.4 19.2 28.8

139 13.4 10.0 15.0





#77

Fluoranthene

Concen: 107.315 ng/ul

RT: 19.66 min Scan# 2777

Delta R.T. 0.00 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

Instrument :

BNA_G

ClientSampleId :

C0B17

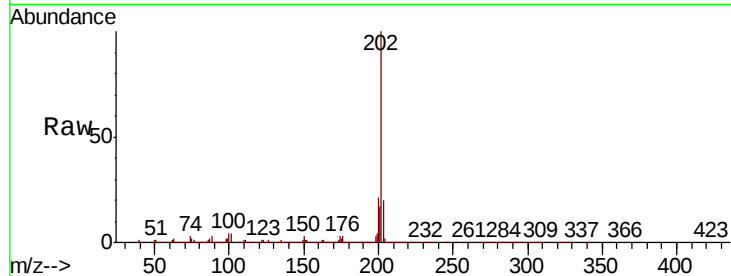
Tot Ion:202 Resp: 1408646

Ion Ratio Lower Upper

202 100

101 4.1 3.0 4.6

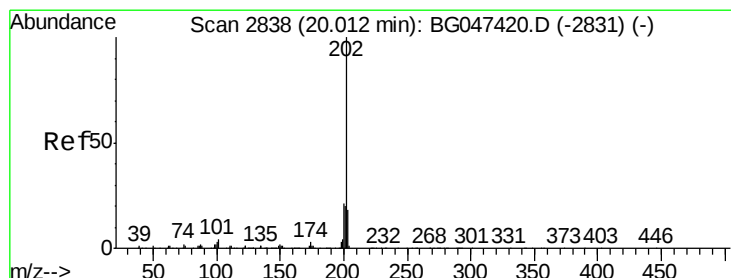
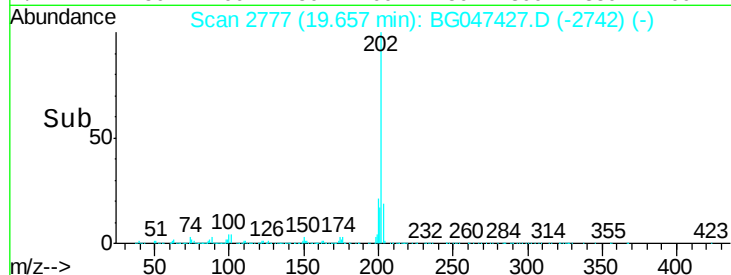
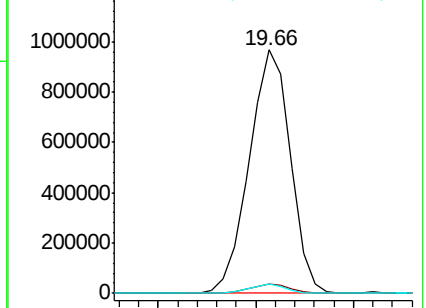
100 3.6 3.0 4.6



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: 55861.932 ng/ul

RT: 20.02 min Scan# 2838

Delta R.T. 0.00 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

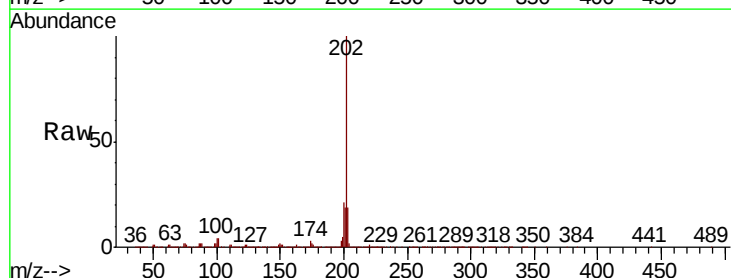
Tgt Ion:202 Resp: 1131700

Ion Ratio Lower Upper

202 100

101 4.4 3.5 5.3

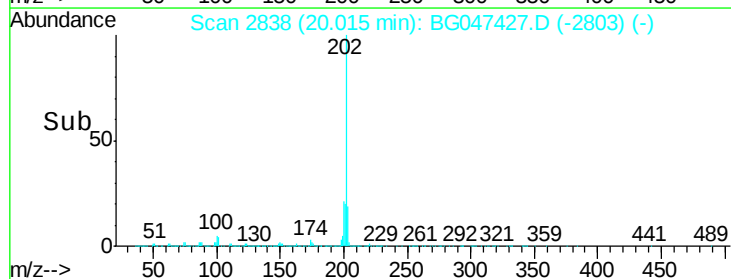
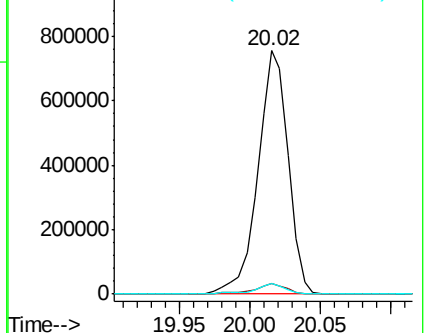
100 4.5 3.4 5.0

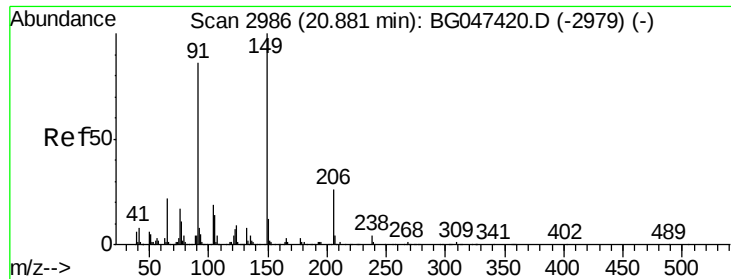


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

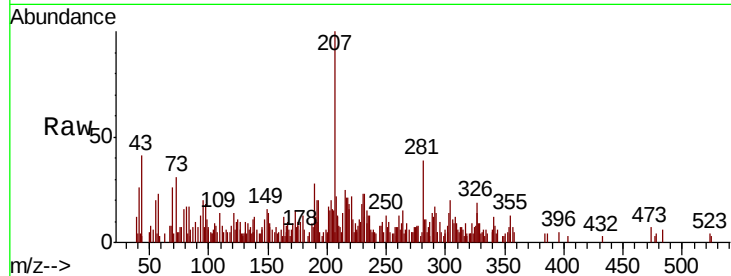




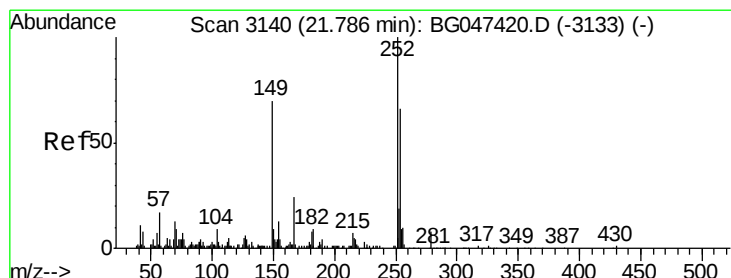
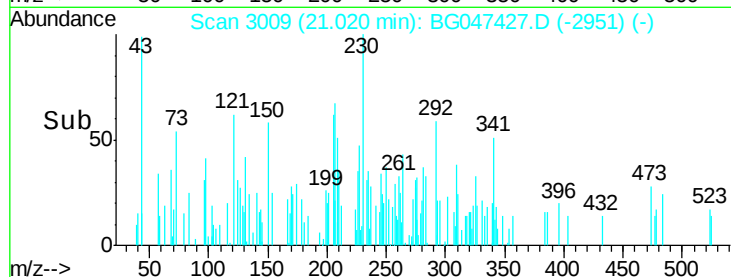
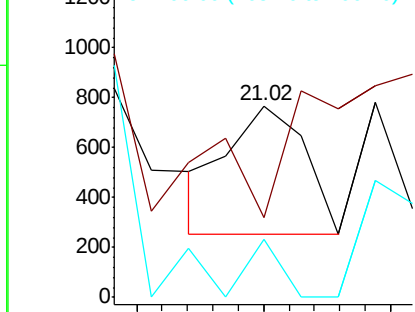
#81
Butylbenzylphthalate
Concen: 60.293 ng/ul
RT: 21.02 min Scan# 3009
Delta R.T. 0.14 min
Lab File: BG047427.D
Acq: 24 Nov 2020 1:05

Instrument :
BNA_G
ClientSampleId :
C0B17

Tot Ion:149 Resp: 429
Ion Ratio Lower Upper
149 100
91 41.5 67.9 101.9#
206 30.5 19.3 28.9#

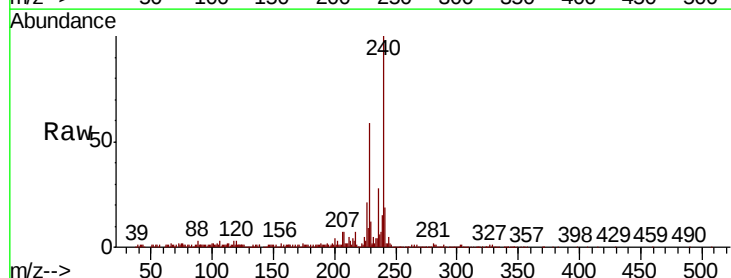


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG0
Ion 206.00 (205.70 to 206.70): E

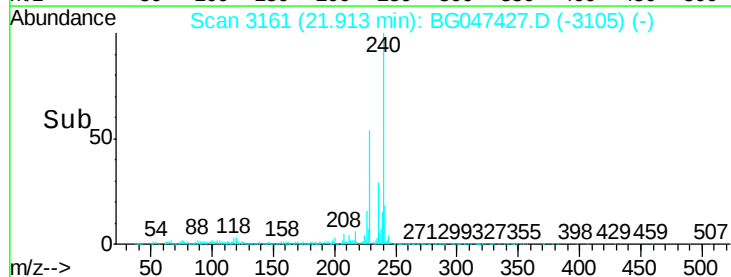
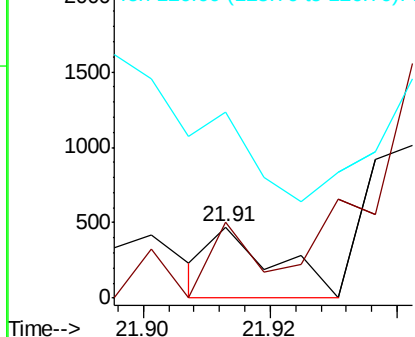


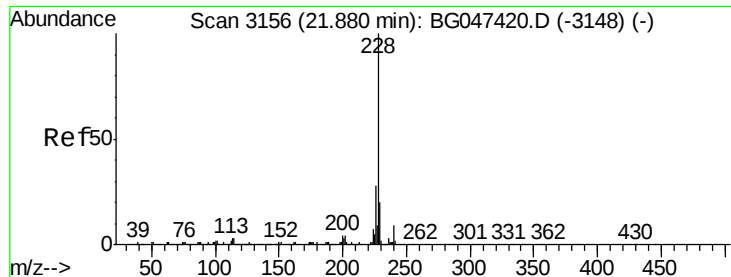
#82
3,3'-Dichlorobenzidine
Concen: 50.175 ng/ul
RT: 21.91 min Scan# 3161
Delta R.T. 0.13 min
Lab File: BG047427.D
Acq: 24 Nov 2020 1:05

Tgt Ion:252 Resp: 335
Ion Ratio Lower Upper
252 100
254 106.1 47.8 71.8#
126 260.8 4.2 6.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Benzo(a)anthracene

Concen: 41014.986 ng/ul

RT: 21.96 min Scan# 3169

Delta R.T. 0.07 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

Instrument :

BNA_G

ClientSampleId :

C0B17

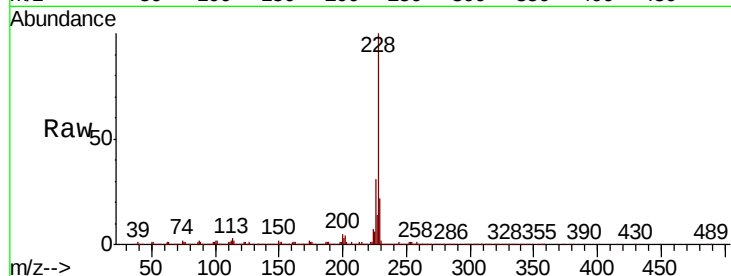
Tot Ion:228 Resp: 834631

Ion Ratio Lower Upper

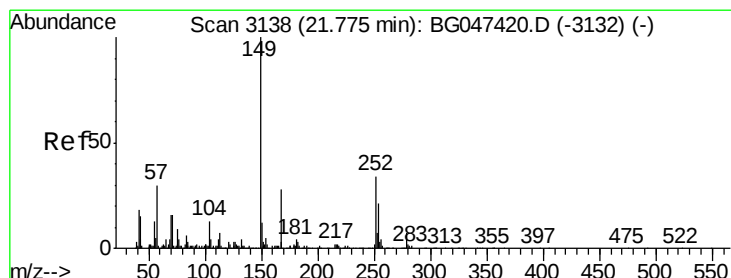
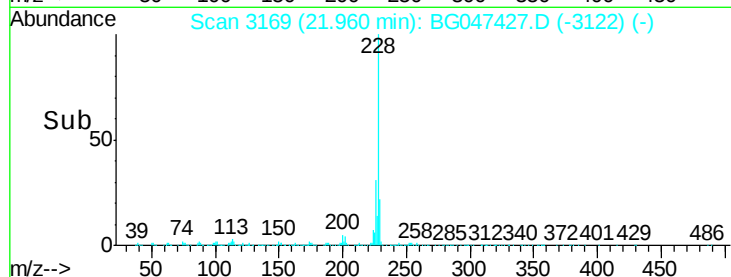
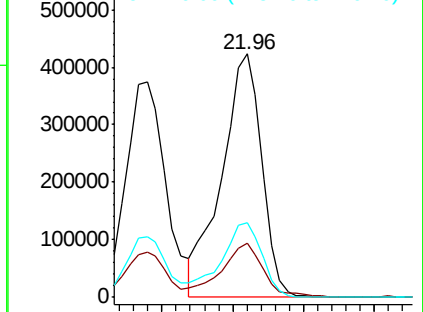
228 100

229 22.1 15.6 23.4

226 30.6 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: 7308.511 ng/ul

RT: 21.77 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

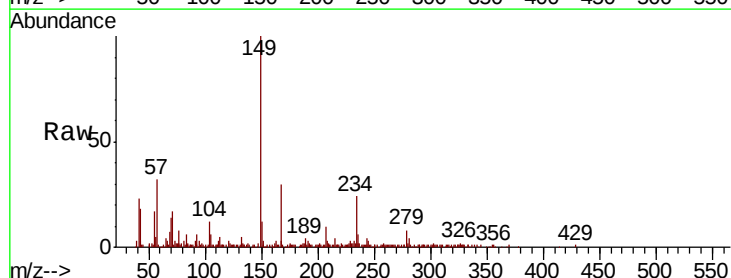
Tgt Ion:149 Resp: 72485

Ion Ratio Lower Upper

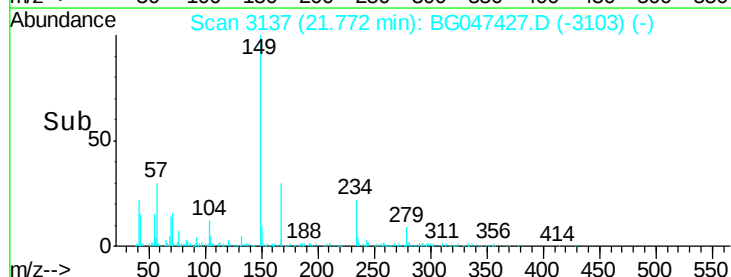
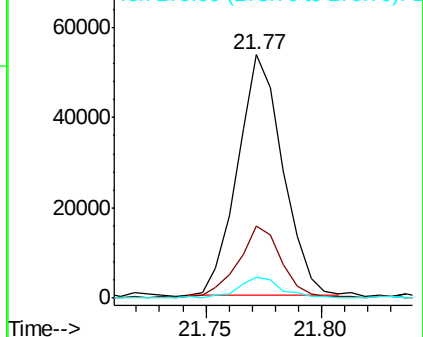
149 100

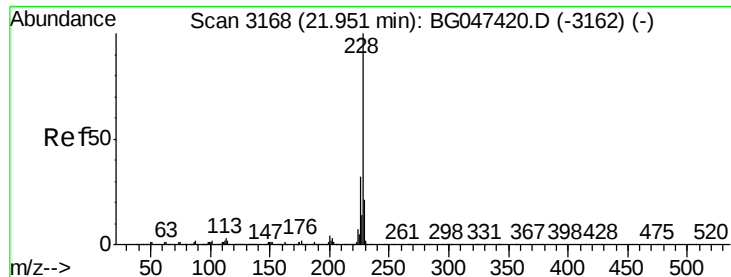
167 29.9 23.4 35.2

279 8.5 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

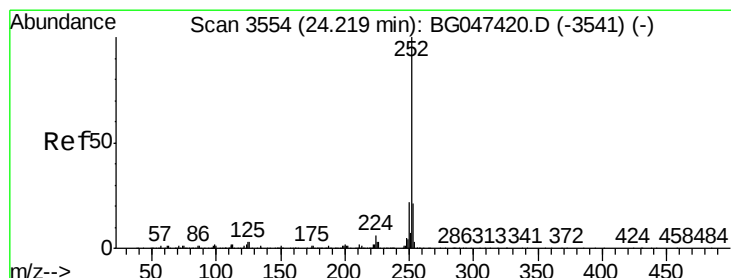
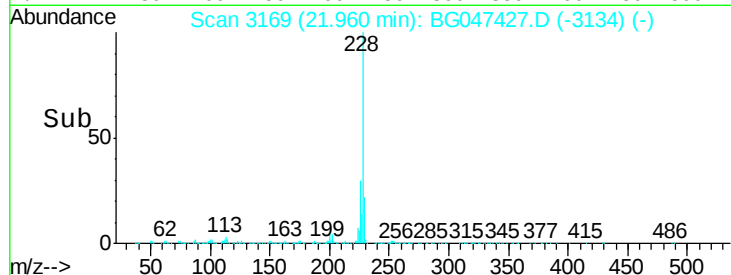
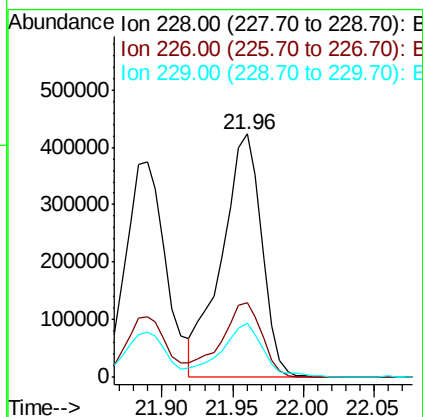
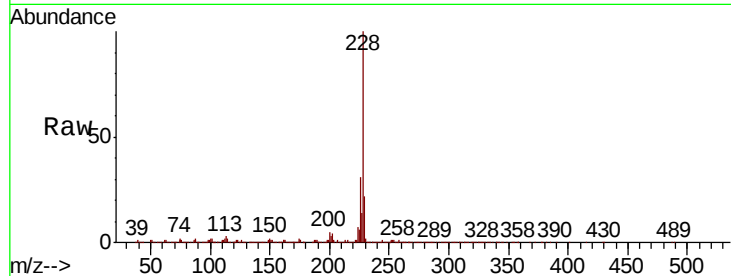




#85
Chrysene
Concen: 43099.801 ng/u1
RT: 21.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: BG047427.D
Acq: 24 Nov 2020 1:05

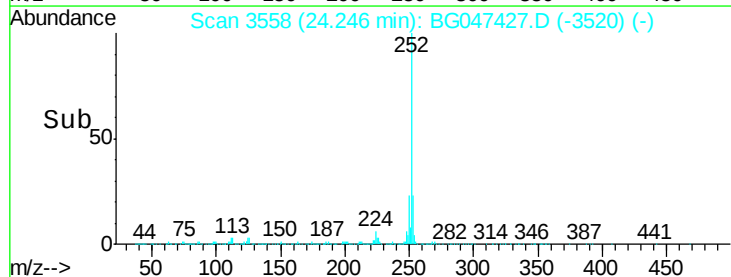
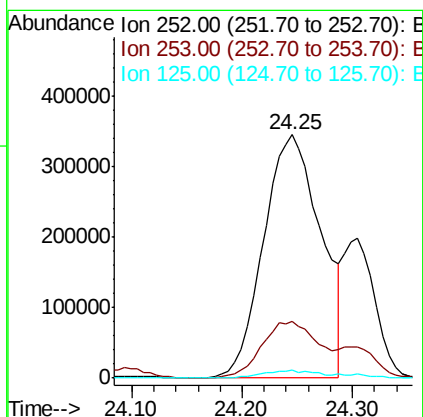
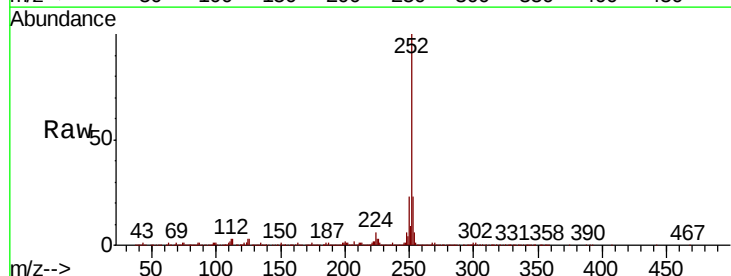
Instrument :
BNA_G
ClientSampleId :
C0B17

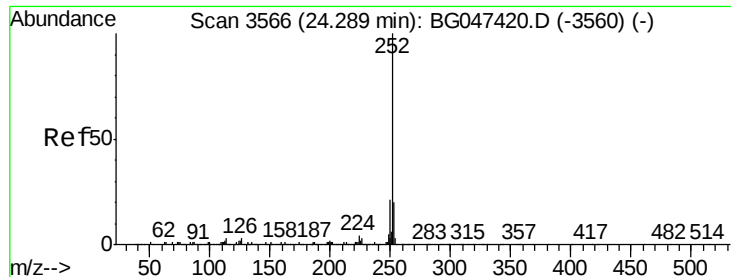
Tot Ion:228 Resp: 834631
Ion Ratio Lower Upper
228 100
226 30.6 22.3 33.5
229 22.1 16.5 24.7



#88
Benzo(b)fluoranthene
Concen: 73.471 ng/u1
RT: 24.25 min Scan# 3558
Delta R.T. 0.02 min
Lab File: BG047427.D
Acq: 24 Nov 2020 1:05

Tgt Ion:252 Resp: 1242905
Ion Ratio Lower Upper
252 100
253 23.5 16.6 25.0
125 3.4 2.7 4.1





#89

Benzo(k)fluoranthene

Concen: 23.154 ng/ul

RT: 24.30 min Scan# 3568

Delta R.T. 0.01 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

Instrument :

BNA_G

ClientSampleId :

C0B17

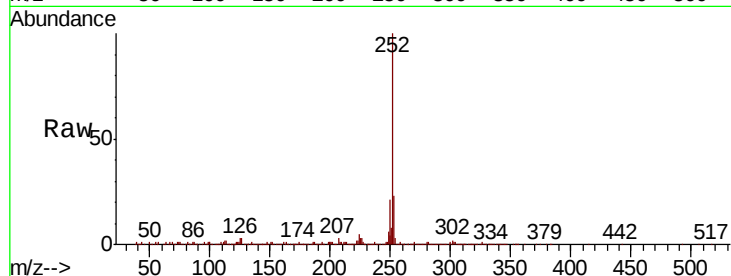
Tot Ion:252 Resp: 386000

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.4

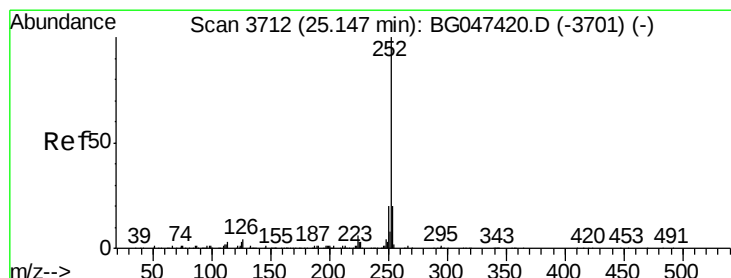
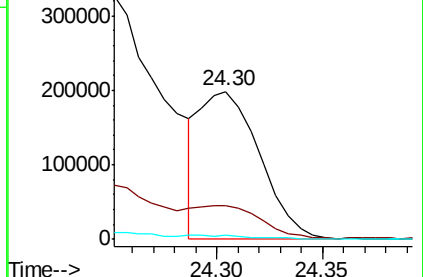
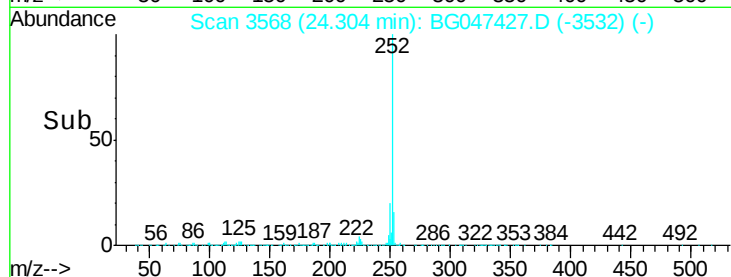
125 2.8 2.2 3.2



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: 36.880 ng/ul

RT: 25.01 min Scan# 3688

Delta R.T. -0.14 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

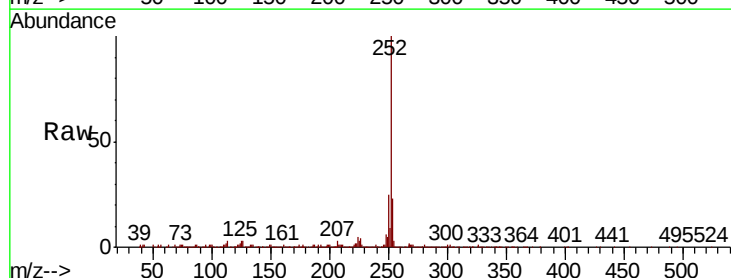
Tgt Ion:252 Resp: 556172

Ion Ratio Lower Upper

252 100

253 23.2 18.6 27.8

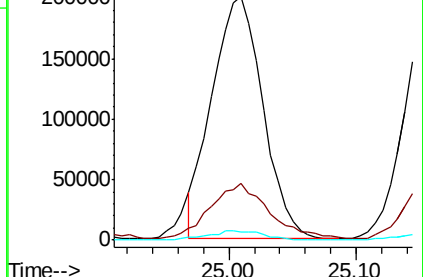
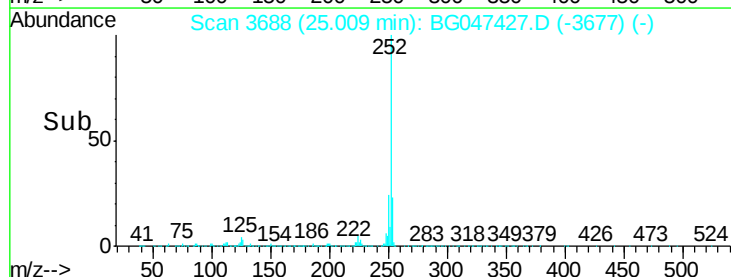
125 3.5 3.1 4.7

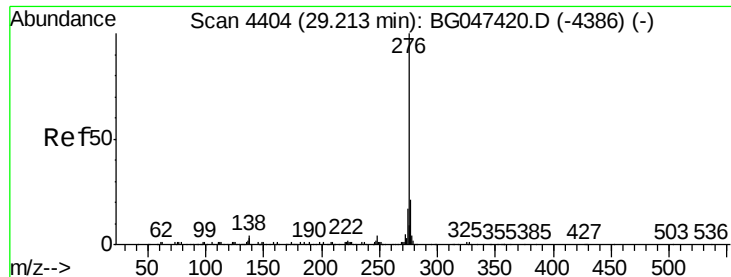


Abundance Ion 252.00 (251.70 to 252.70): E

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: 29.277 ng/ul

RT: 29.25 min Scan# 4410

Delta R.T. 0.03 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

Instrument :

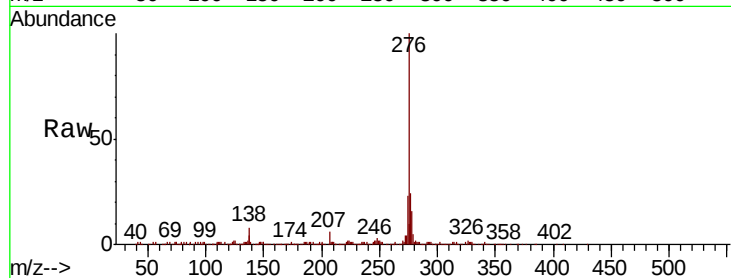
BNA_G

ClientSampleId :

C0B17

Tot Ion:276 Resp: 537058

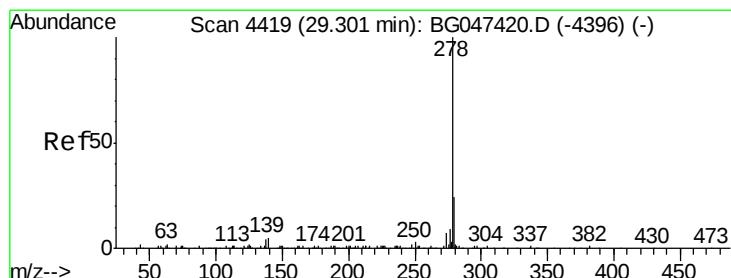
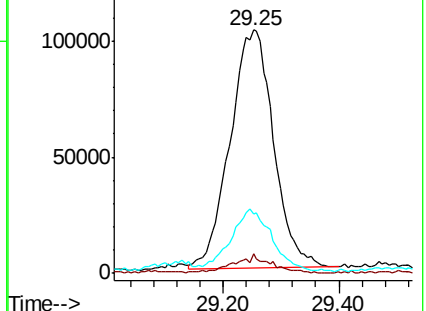
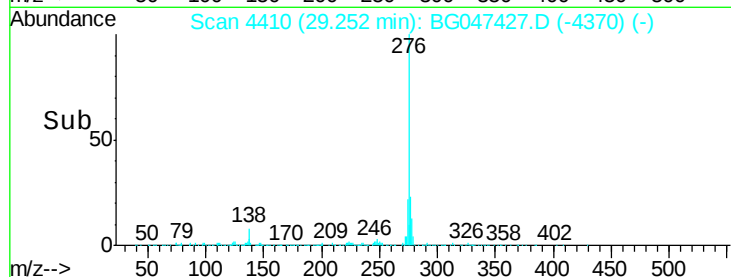
Ion	Ratio	Lower	Upper
276	100		
138	8.2	5.0	7.6#
277	24.3	16.5	24.7



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: 9.436 ng/ul

RT: 29.29 min Scan# 4416

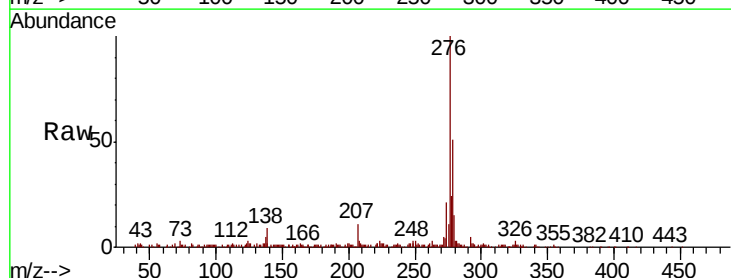
Delta R.T. -0.00 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

Tgt Ion:278 Resp: 141923

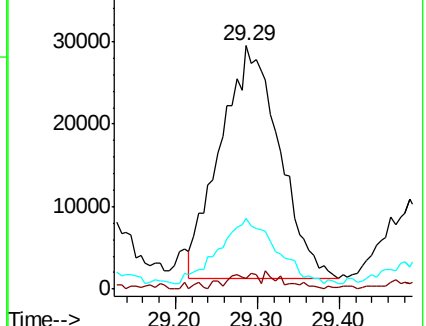
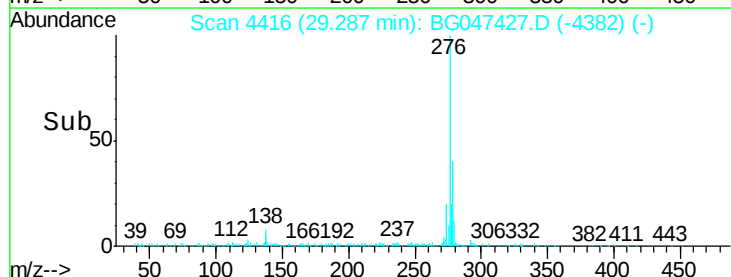
Ion	Ratio	Lower	Upper
278	100		
139	4.5	4.6	7.0#
279	29.2	18.2	27.2#

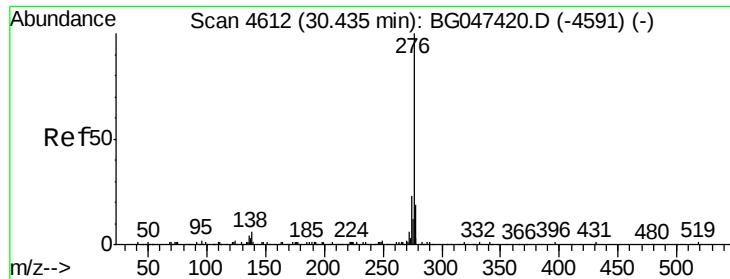


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(a,h,i)perylene

Concen: 28.711 ng/ul

RT: 30.47 min Scan# 4617

Delta R.T. 0.02 min

Lab File: BG047427.D

Acq: 24 Nov 2020 1:05

Instrument :

BNA_G

ClientSampleId :

C0B17

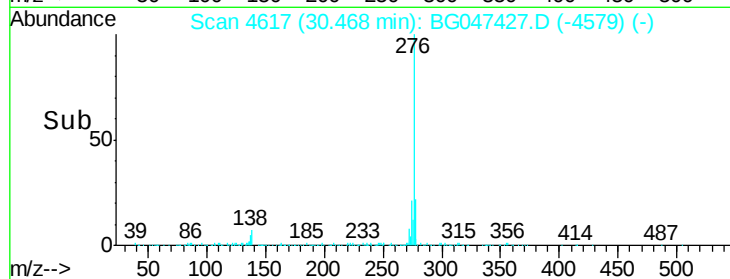
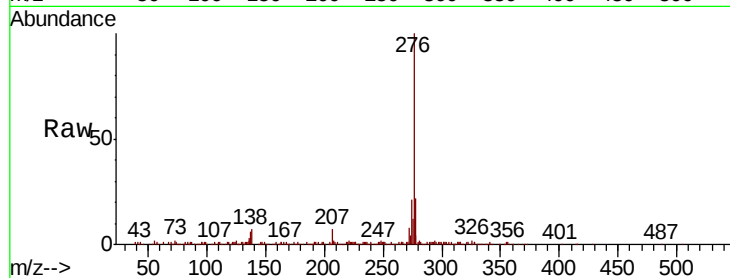
Tot Ion:276 Resp: 434583

Ion Ratio Lower Upper

276 100

138 6.9 5.8 8.6

277 22.5 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

