

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120120\
 Data File : BG047520.D
 Acq On : 2 Dec 2020 7:16
 Operator : CG/JU
 Sample : L4865-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B24

Quant Time: Dec 02 08:02:33 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	8.27	152	35707	20.00	ng/ul	-0.01
18) Naphthalene-d8	11.09	136	147208	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.88	164	115177	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.71	188	178198	20.00	ng/ul	0.09
78) Chrysene-d12	22.03	240	268	20.00	ng/ul	0.12
86) Perylene-d12	25.31	264	266895	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	1394	1.42	ng/uL	-0.02
5) Phenol-d5	7.39	99	37580	10.49	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.57	67	19634	9.61	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.79	132	28728	11.96	ng/ul	-0.01
13) 4-Methylphenol-d8	8.95	113	24642	8.95	ng/ul	-0.02
19) Nitrobenzene-d5	9.43	128	14154	11.64	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.16	143	19575	14.75	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.69	165	41290	13.59	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.22	131	26154	8.51	ng/ul	-0.01
44) Dimethylphthalate-d6	14.27	166	128445	12.99	ng/ul	-0.02
47) Acenaphthylene-d8	14.57	160	152673	13.36	ng/ul	-0.01
52) 4-Nitrophenol-d4	15.03	143	14802	9.81	ng/ul	-0.02
58) Fluorene-d10	15.86	176	119599	13.20	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.96	200	23844	23.51	ng/ul	-0.01
71) Anthracene-d10	17.71	188	178198	20.16	ng/ul	-0.01
79) Pyrene-d10	19.98	212	204045	13083.48	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.07	264	211821	13.79	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	7.42	94	4863	1.417	ng/ul 95
14) Acetophenone	9.08	105	5572	1.315	ng/ul 93
28) Naphthalene	11.14	128	87666	10.514	ng/ul 97
30) 4-Chloroaniline	11.15	127	11336	3.872	ng/ul# 37
34) 2-Methylnaphthalene	12.73	142	37318	6.040	ng/ul 91
35) 1-Methylnaphthalene	12.94	142	31773	4.375	ng/uL 96
41) 1,1'-Biphenyl	13.71	154	11574	1.295	ng/ul# 81
45) Dimethylphthalate	14.31	163	22775	2.258	ng/ul 99
50) Acenaphthene	14.94	153	87696	11.772	ng/ul 97
54) Dibenzofuran	15.27	168	59859	5.471	ng/ul 95
59) Fluorene	15.91	166	91316	9.906	ng/ul 93
64) 4,6-Dinitro-2-methylphenol	15.90	198	1930	1.818	ng/ul# 94
70) Phenanthrene	17.74	178	280776	29.177	ng/ul 97
72) Anthracene	17.74	178	271704	28.036	ng/ul 99
75) Carbazole	18.00	167	169258	21.651	ng/ul 99
77) Fluoranthene	19.65	202	2559179	210.578	ng/ul 99
80) Pyrene	20.02	202	2245439	118281.586	ng/ul 100
81) Butylbenzylphthalate	21.00	149	541	81.141	ng/ul# 43
82) 3,3'-Dichlorobenzidine	21.91	252	508	81.196	ng/ul# 1
83) Benzo(a)anthracene	21.96	228	1344806	70524.324	ng/ul 91
84) Bis(2-ethylhexyl)phthalate	21.88	149	6397	688.317	ng/ul# 92
85) Chrysene	21.96	228	1344806	74109.116	ng/ul 93
88) Benzo(b)fluoranthene	24.24	252	1826990	96.952	ng/ul 97

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 23 13:14:53 2020
Response via : Initial Calibration

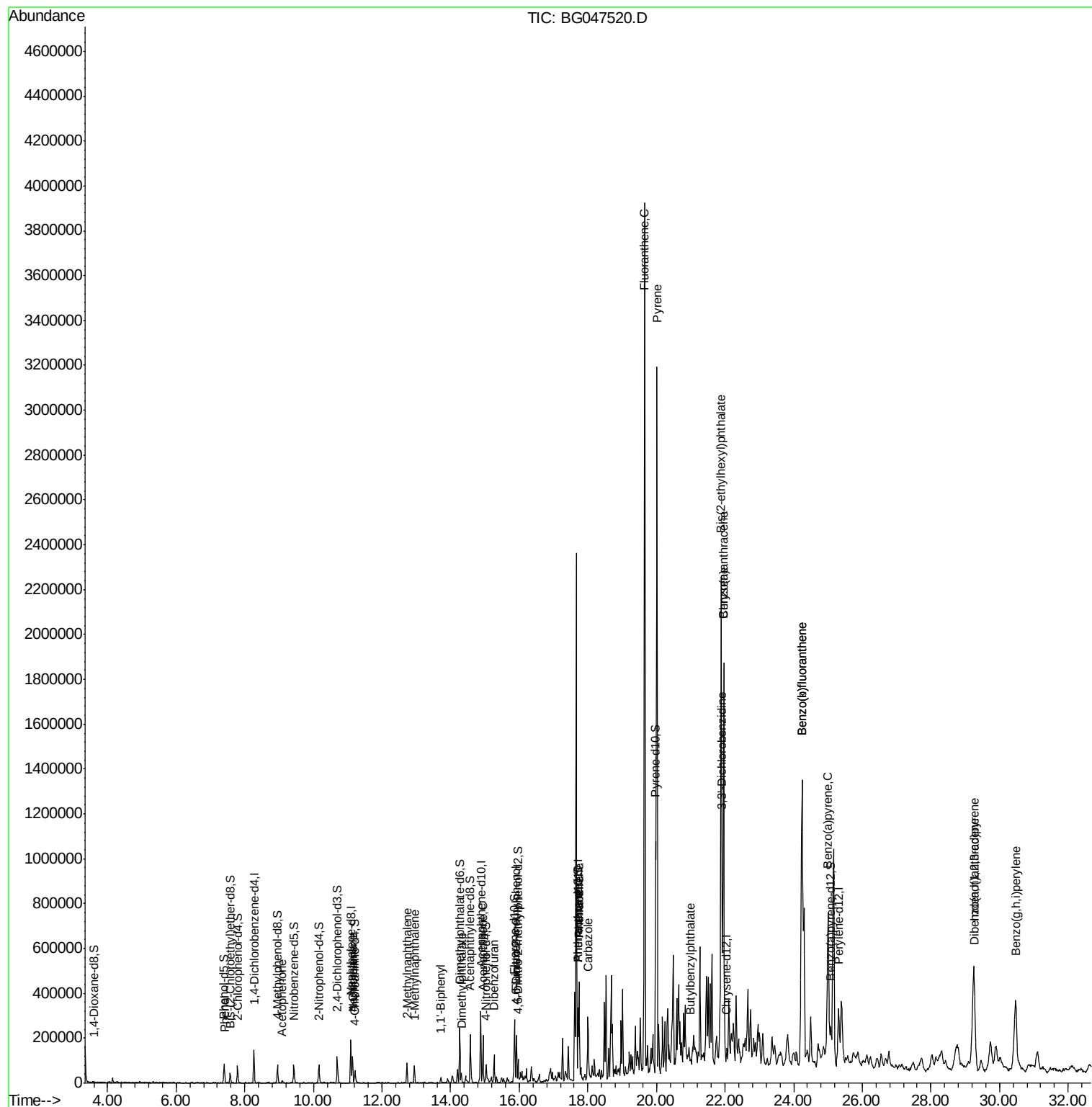
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	24.24	252	1826990	98.382	ng/ul	99
91) Benzo(a)pyrene	25.00	252	820086	48.819	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	29.25	276	923007	45.170	ng/ul#	95
93) Dibenzo(a,h)anthracene	29.28	278	134417	8.023	ng/ul#	91
94) Benzo(g,h,i)perylene	30.48	276	761014	45.135	ng/ul	96

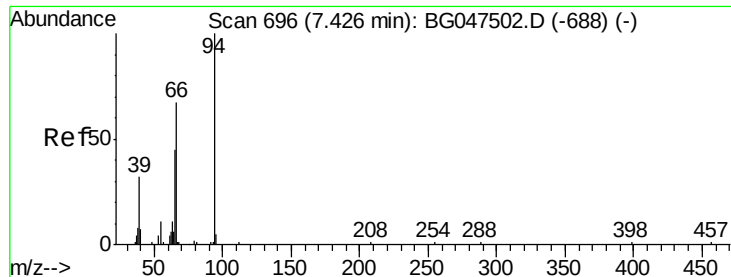
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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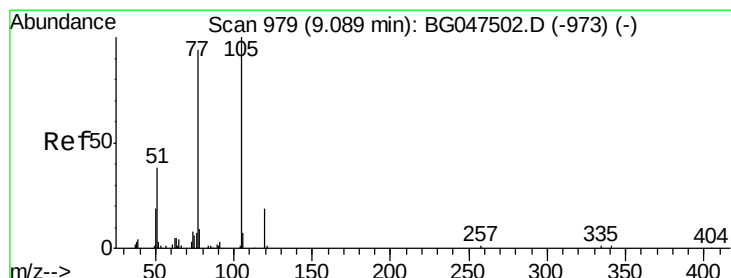
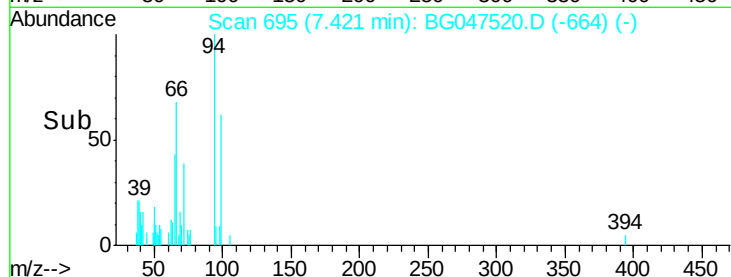
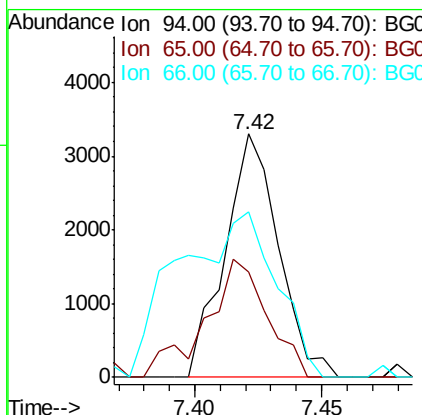
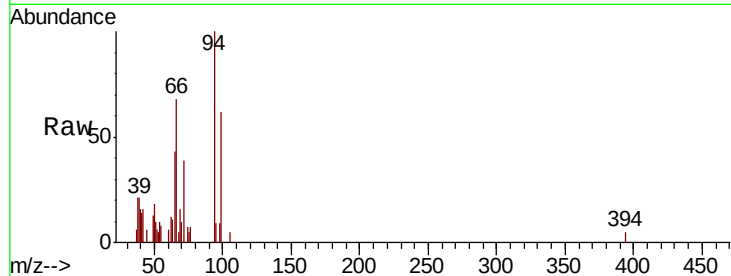
#6

Phenol

Concen: 1.417 ng/ul
 RT: 7.42 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BG047520.D
 Acq: 2 Dec 2020 7:16

Instrument :
 BNA_G
 ClientSampleId :
 C0B24

Tot Ion: 94 Resp: 4863
 Ion Ratio Lower Upper
 94 100
 65 43.4 37.8 56.8
 66 67.7 51.6 77.4

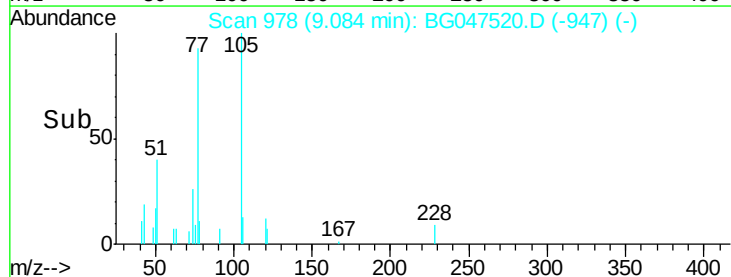
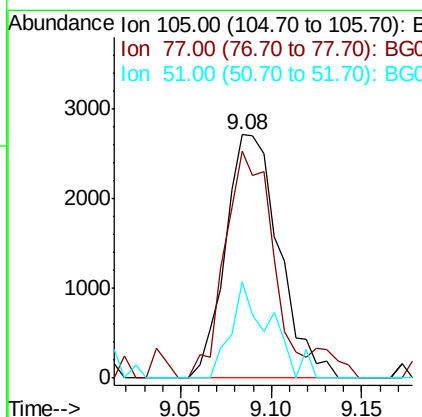
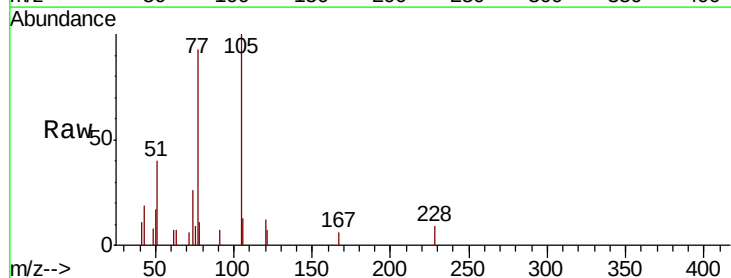


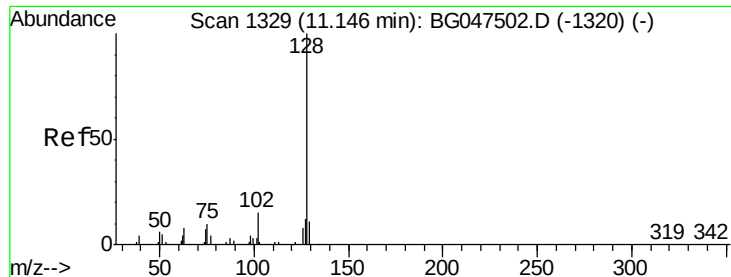
#14

Acetophenone

Concen: 1.315 ng/ul
 RT: 9.08 min Scan# 978
 Delta R.T. -0.02 min
 Lab File: BG047520.D
 Acq: 2 Dec 2020 7:16

Tgt Ion: 105 Resp: 5572
 Ion Ratio Lower Upper
 105 100
 77 93.1 70.0 105.0
 51 39.8 27.5 41.3

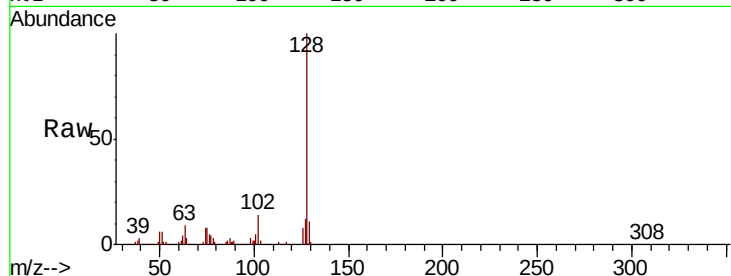




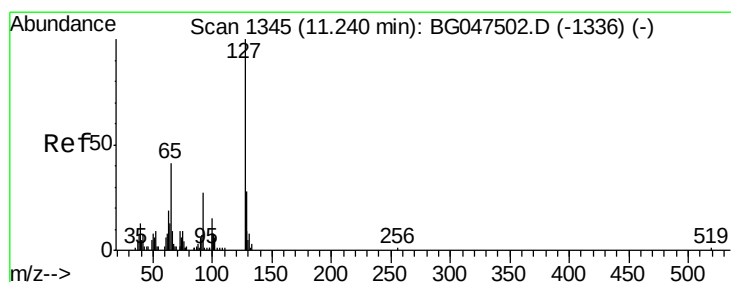
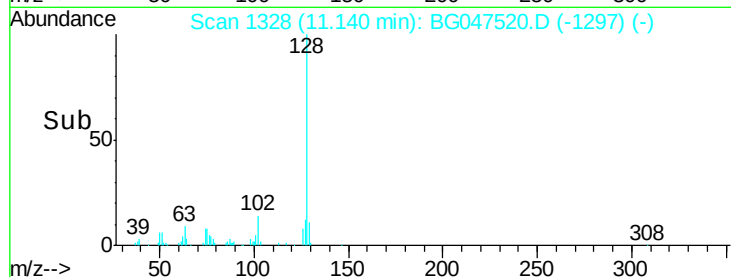
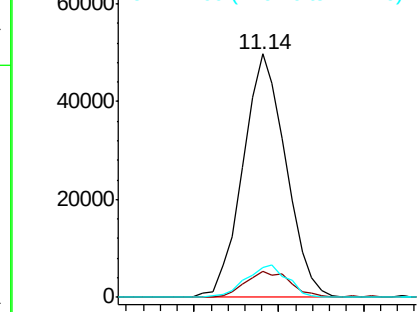
#28
Naphthalene
Concen: 10.514 ng/ul
RT: 11.14 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BG047520.D
Acq: 2 Dec 2020 7:16

Instrument :
BNA_G
ClientSampleId :
C0B24

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.6	14.4
127	12.2	10.6	16.0

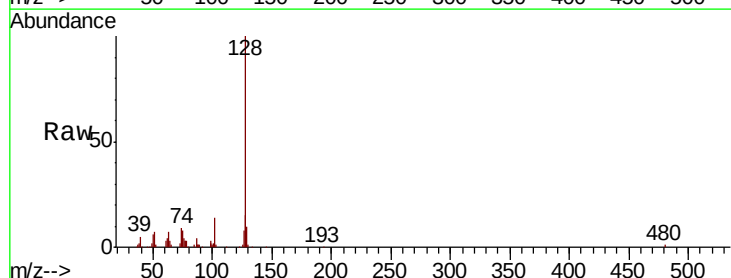


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

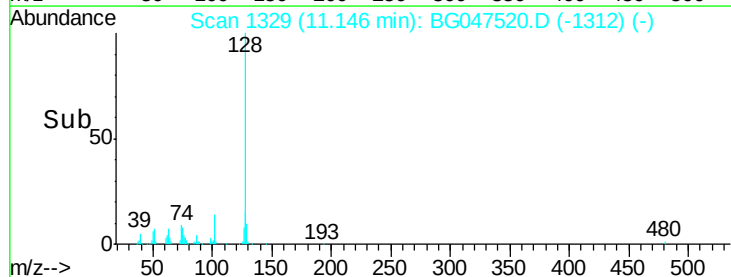
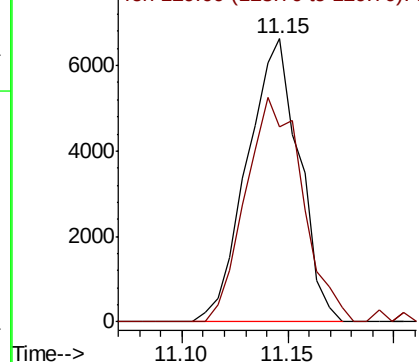


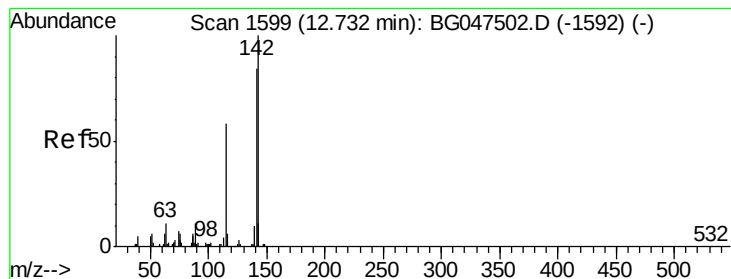
#30
4-Chloroaniline
Concen: 3.872 ng/ul
RT: 11.15 min Scan# 1329
Delta R.T. -0.10 min
Lab File: BG047520.D
Acq: 2 Dec 2020 7:16

Tgt Ion	Ratio	Lower	Upper
127	100		
129	69.1	26.7	40.1



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 6.040 ng/uL

RT: 12.73 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

ClientSampleId :

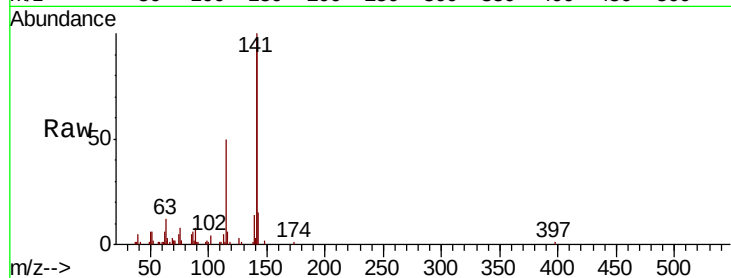
C0B24

Tot Ion:142 Resp: 37318

Ion Ratio Lower Upper

142 100

141 102.0 74.8 112.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

25000

20000

15000

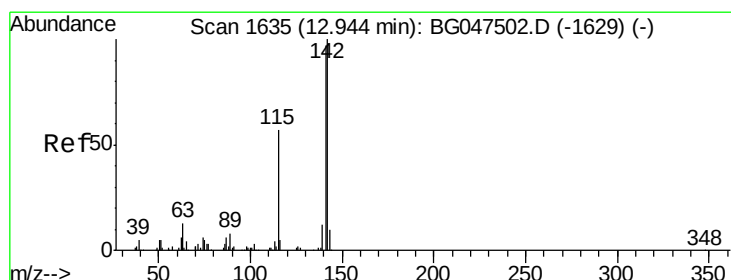
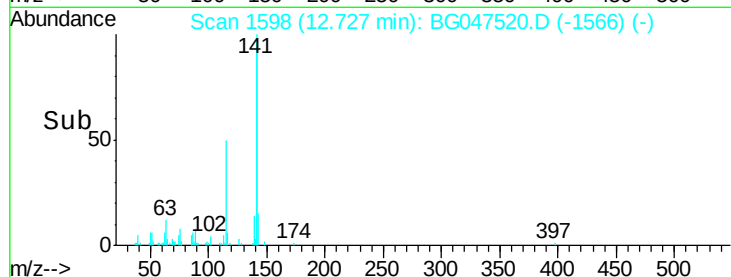
10000

5000

0

12.70 12.73 12.75

Time-->



#35

1-Methylnaphthalene

Concen: 4.375 ng/uL

RT: 12.94 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

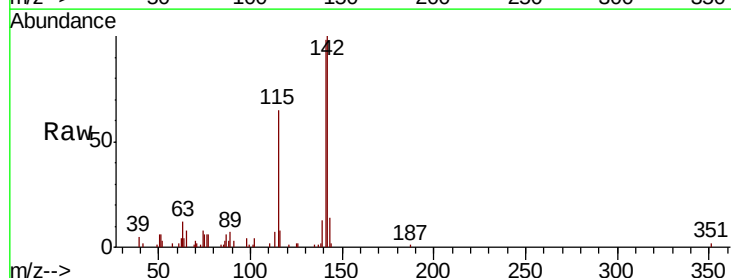
Tgt Ion:142 Resp: 31773

Ion Ratio Lower Upper

142 100

141 88.1 73.8 110.8

116 6.7 4.9 7.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

25000

20000

15000

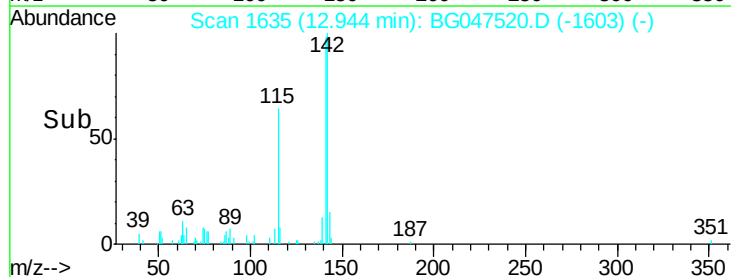
10000

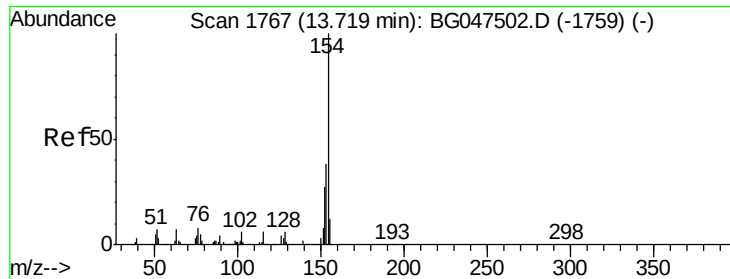
5000

0

12.90 12.94 13.00

Time-->

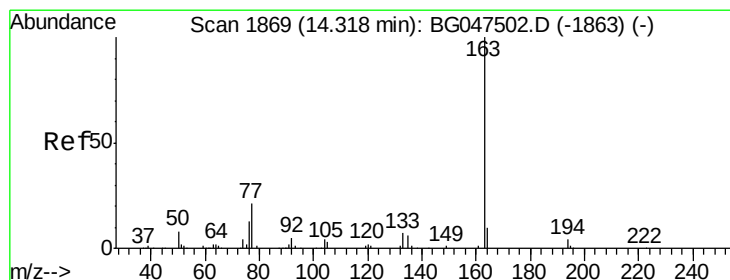
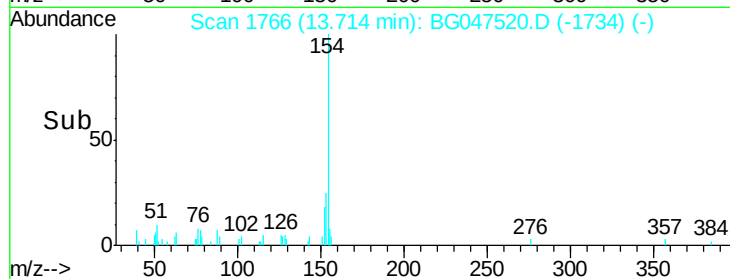
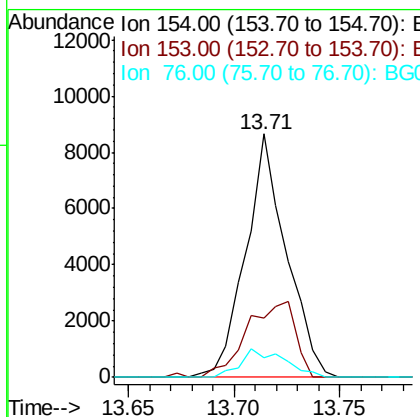
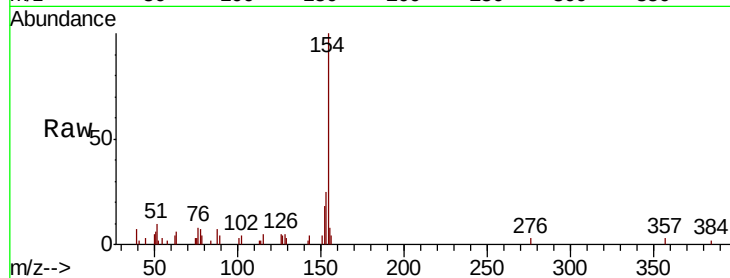




#41
1,1'-Biphenyl
Concen: 1.295 ng/ul
RT: 13.71 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BG047520.D
Acq: 2 Dec 2020 7:16

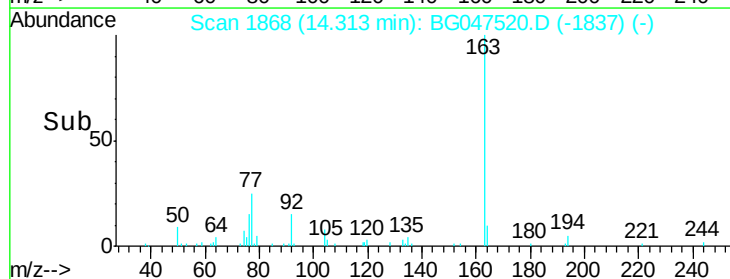
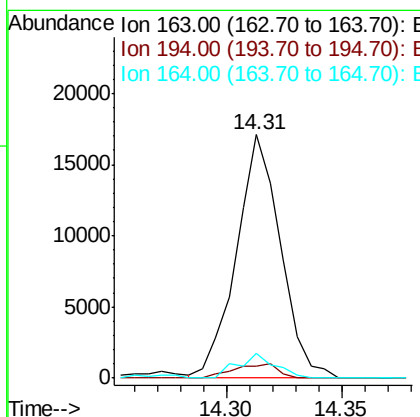
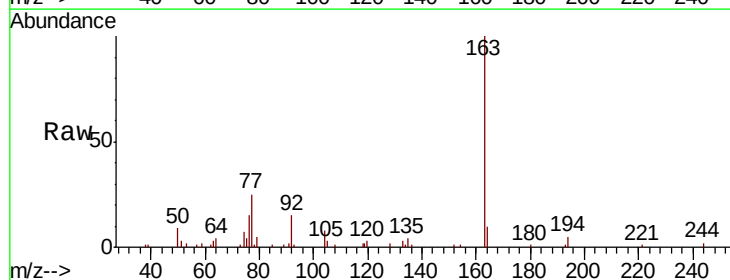
Instrument :
BNA_G
ClientSampleId :
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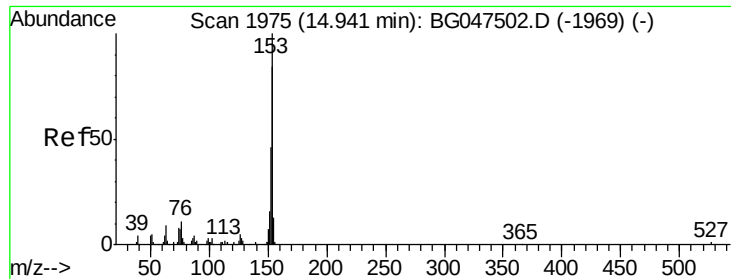
Tot Ion	Ratio	Lower	Upper
154	100		
153	24.5	30.9	46.3#
76	8.1	7.4	11.2



#45
Dimethylphthalate
Concen: 2.258 ng/ul
RT: 14.31 min Scan# 1868
Delta R.T. -0.02 min
Lab File: BG047520.D
Acq: 2 Dec 2020 7:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.6	5.4
164	10.3	8.5	12.7





#50

Acenaphthene

Concen: 11.772 ng/ul

RT: 14.94 min Scan# 1974

Delta R.T. -0.02 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

ClientSampleId :

C0B24

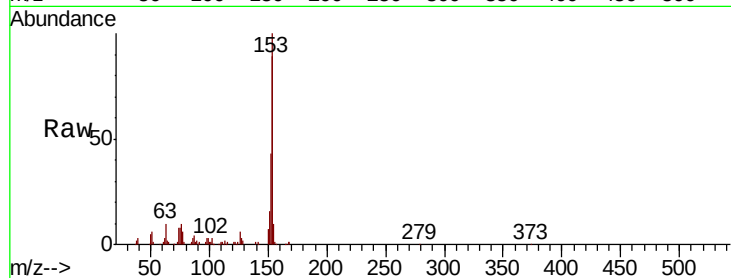
Tot Ion:153 Resp: 87696

Ion Ratio Lower Upper

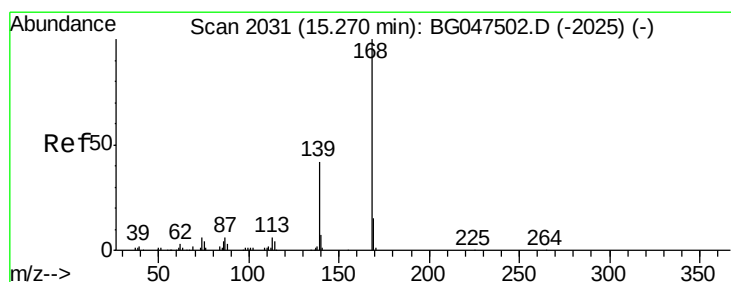
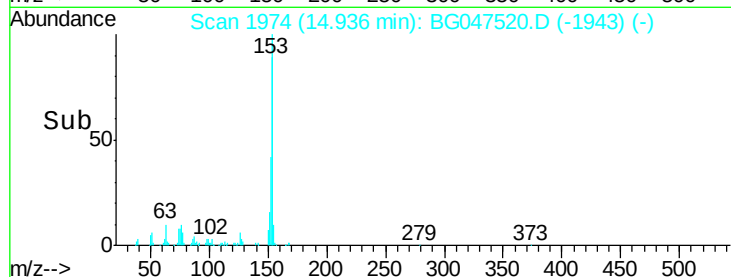
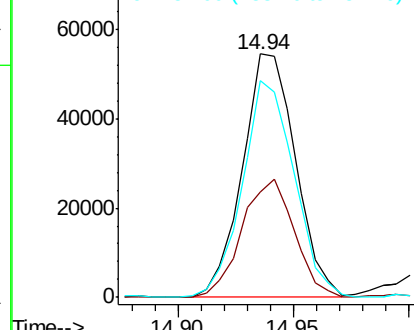
153 100

152 43.0 36.9 55.3

154 89.2 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



#54

Dibenzofuran

Concen: 5.471 ng/ul

RT: 15.27 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BG047520.D

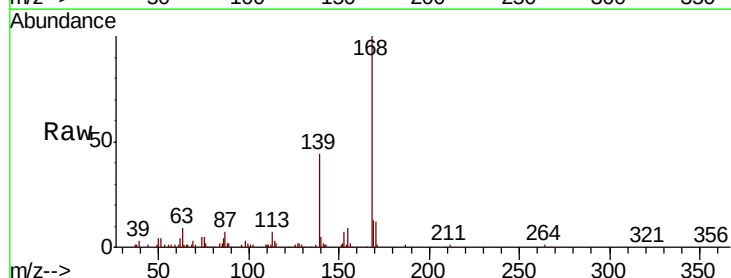
Acq: 2 Dec 2020 7:16

Tgt Ion:168 Resp: 59859

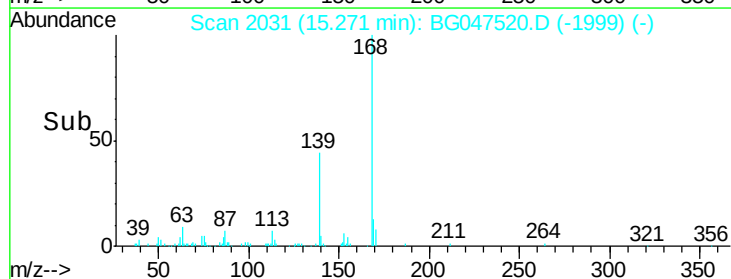
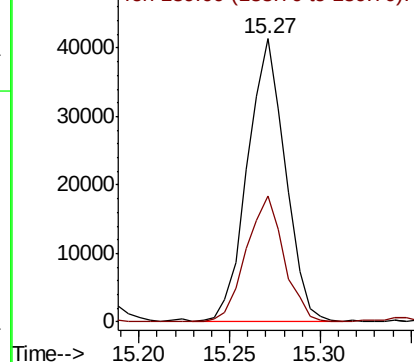
Ion Ratio Lower Upper

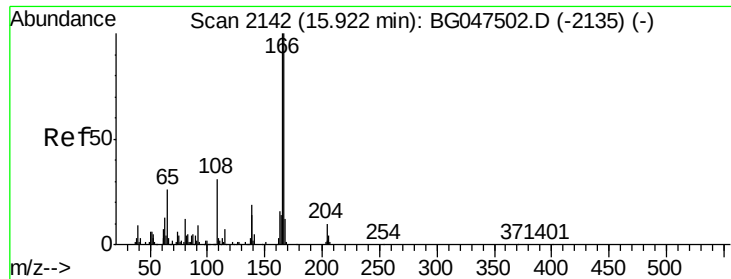
168 100

139 44.3 32.8 49.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 9.906 ng/ul

RT: 15.91 min Scan# 2140

Delta R.T. -0.02 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

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C0B24

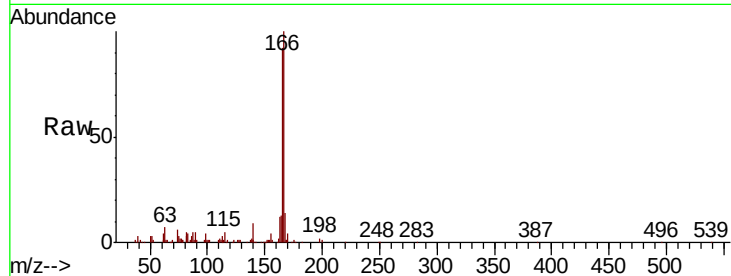
Tot Ion:166 Resp: 91316

Ion Ratio Lower Upper

166 100

165 91.9 79.8 119.6

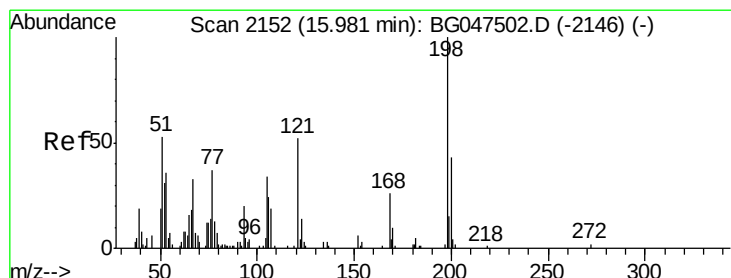
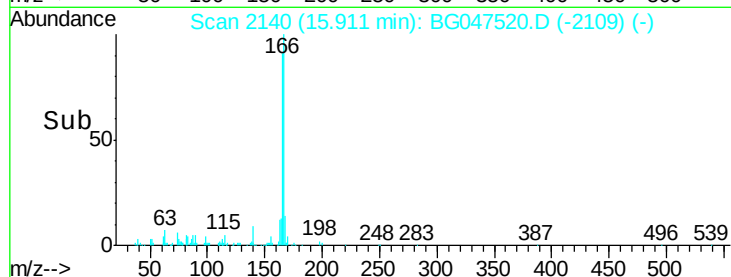
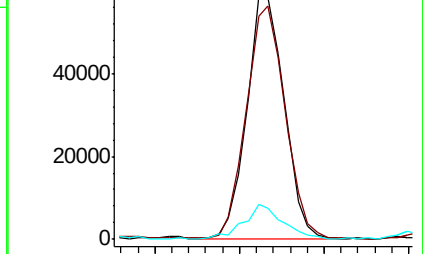
167 14.3 10.8 16.2



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: 1.818 ng/ul

RT: 15.90 min Scan# 2138

Delta R.T. -0.09 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

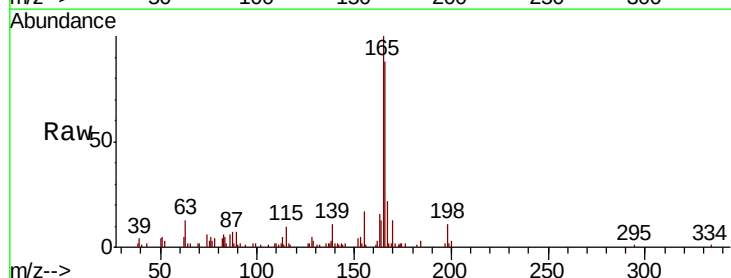
Tgt Ion:198 Resp: 1930

Ion Ratio Lower Upper

198 100

182 12.5 3.5 5.3#

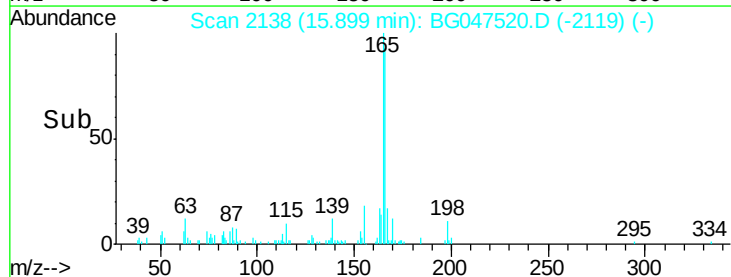
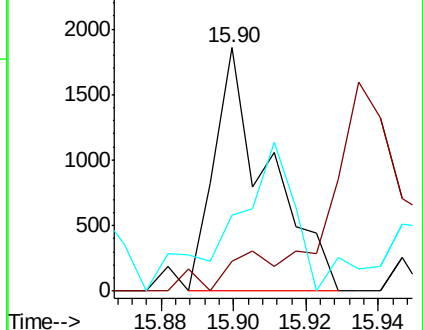
77 31.0 26.6 40.0

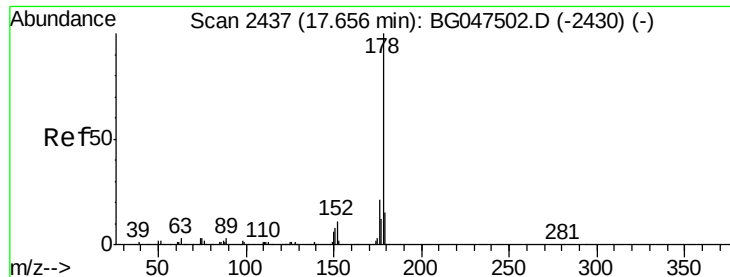


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BG





#70

Phenanthrene

Concen: 29.177 ng/ul

RT: 17.74 min Scan# 2452

Delta R.T. 0.08 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

ClientSampleId :

C0B24

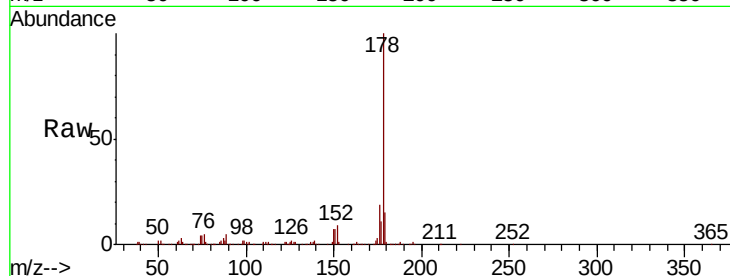
Tot Ion:178 Resp: 280776

Ion Ratio Lower Upper

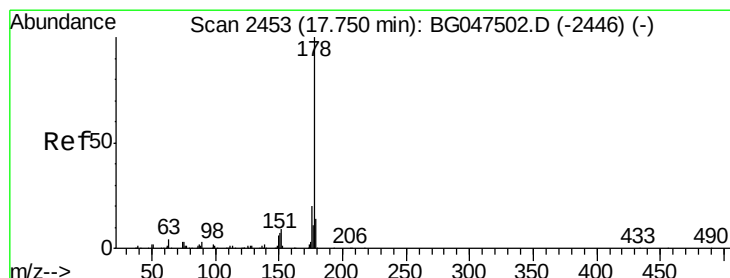
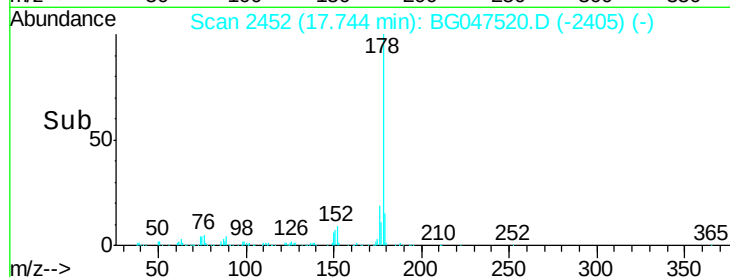
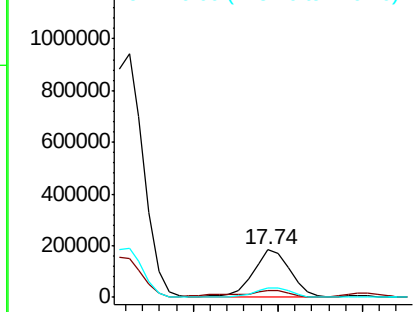
178 100

179 15.2 11.8 17.6

176 19.1 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: 28.036 ng/ul

RT: 17.74 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

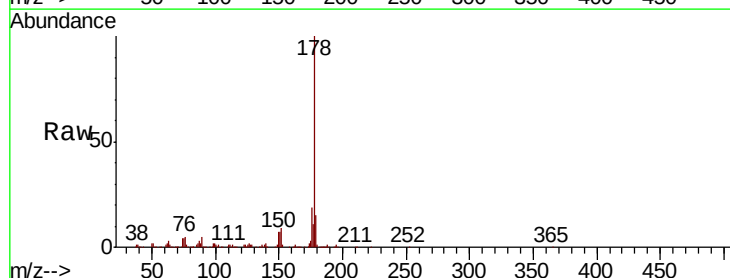
Tgt Ion:178 Resp: 271704

Ion Ratio Lower Upper

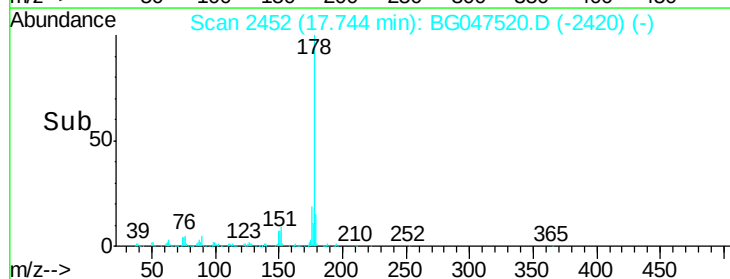
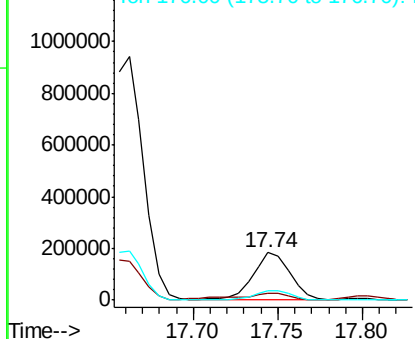
178 100

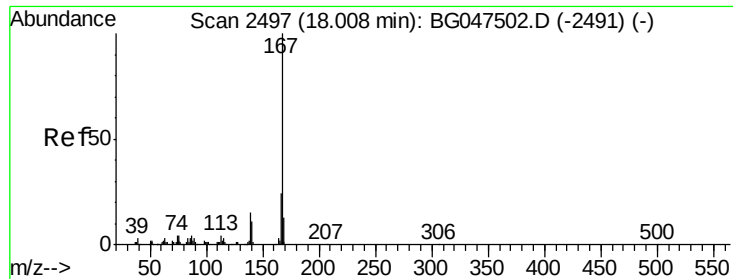
179 15.2 11.7 17.5

176 19.1 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: 21.651 ng/ul

RT: 18.00 min Scan# 2496

Delta R.T. -0.01 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

ClientSampleId :

C0B24

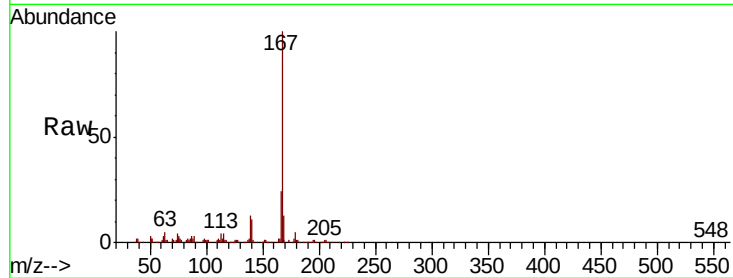
Tot Ion:167 Resp: 169258

Ion Ratio Lower Upper

167 100

166 24.3 19.2 28.8

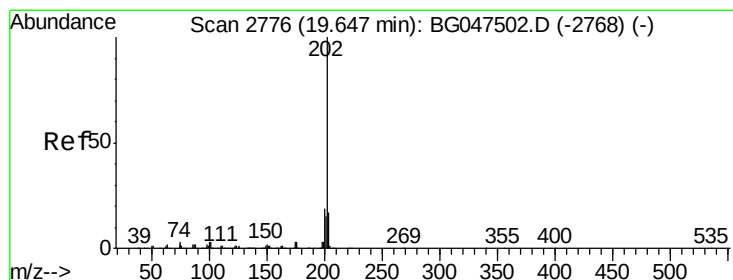
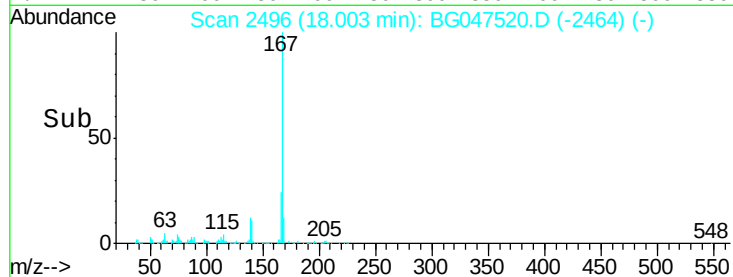
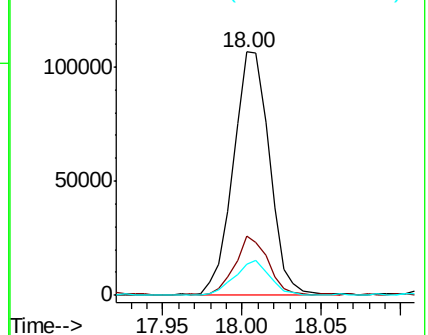
139 12.7 10.0 15.0



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: 210.578 ng/ul

RT: 19.65 min Scan# 2777

Delta R.T. 0.00 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

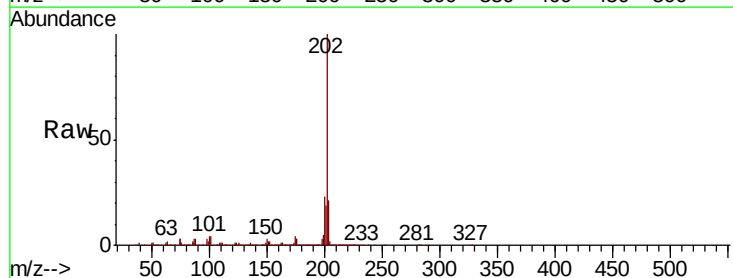
Tgt Ion:202 Resp: 2559179

Ion Ratio Lower Upper

202 100

101 4.4 3.0 4.6

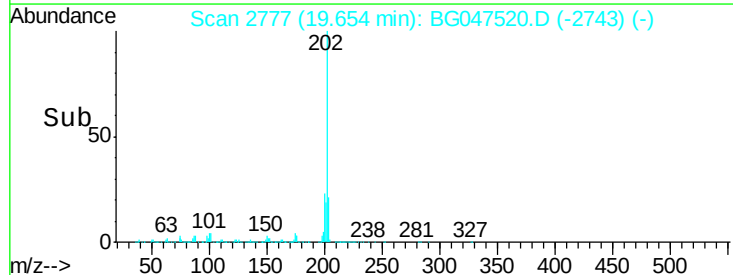
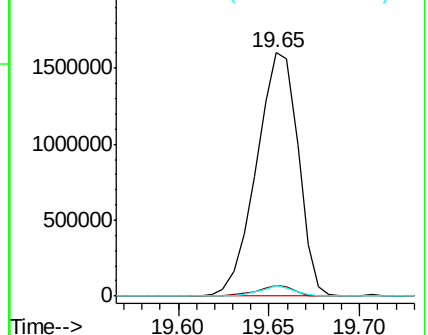
100 4.1 3.0 4.6

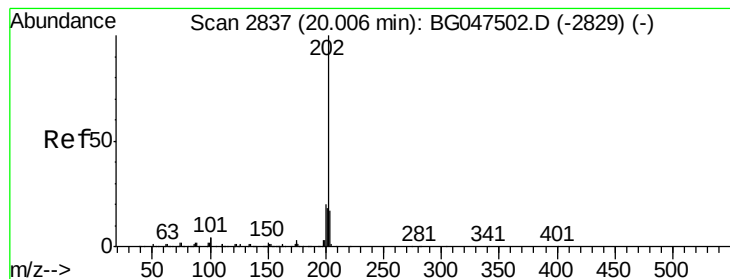


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Pvrene

Concen: 118281.586 ng/uL

RT: 20.02 min Scan# 2839

Delta R.T. 0.01 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

ClientSampleId :

C0B24

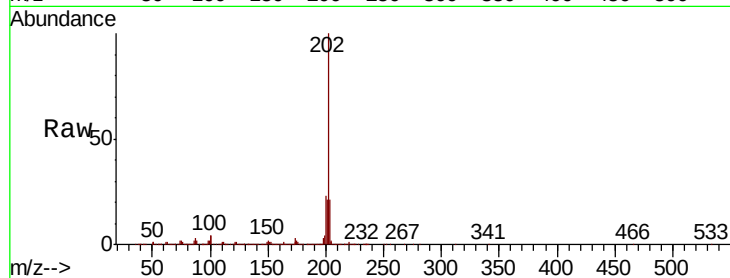
Tot Ion:202 Resp: 2245439

Ion Ratio Lower Upper

202 100

101 4.4 3.5 5.3

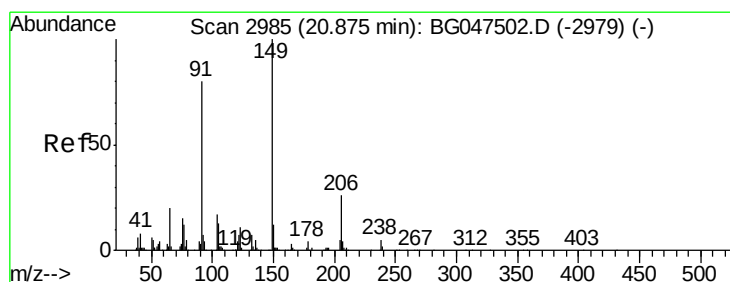
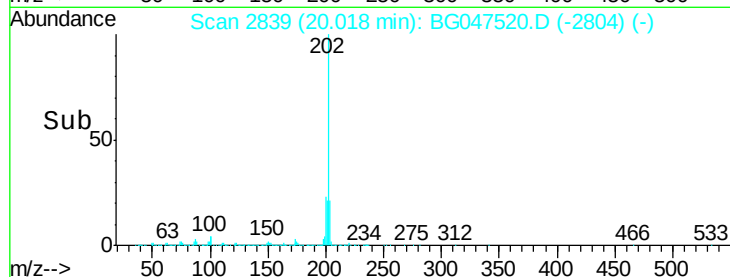
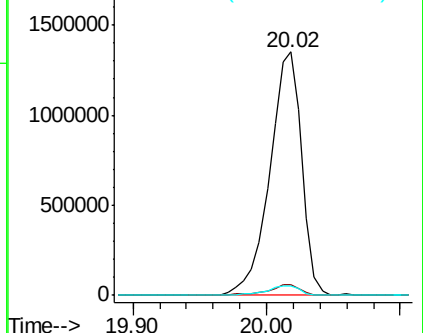
100 3.9 3.4 5.0



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



#81

Butylbenzylphthalate

Concen: 81.141 ng/uL

RT: 21.00 min Scan# 3006

Delta R.T. 0.12 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

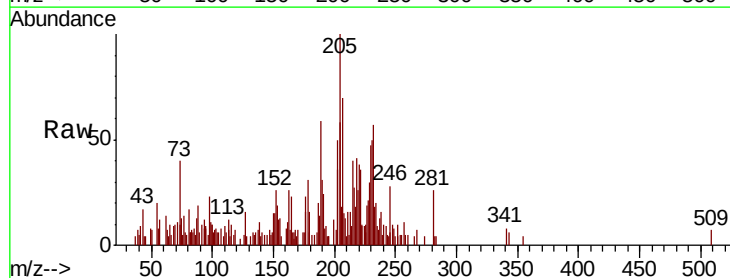
Tgt Ion:149 Resp: 541

Ion Ratio Lower Upper

149 100

91 83.8 67.9 101.9

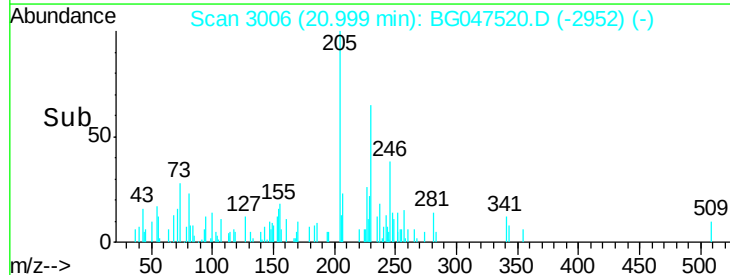
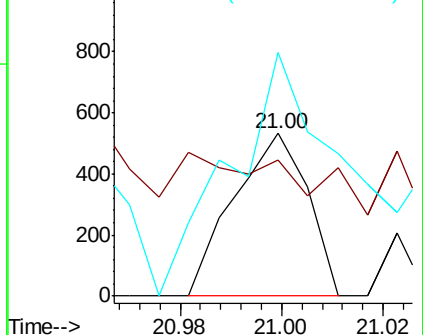
206 149.8 19.3 28.9#

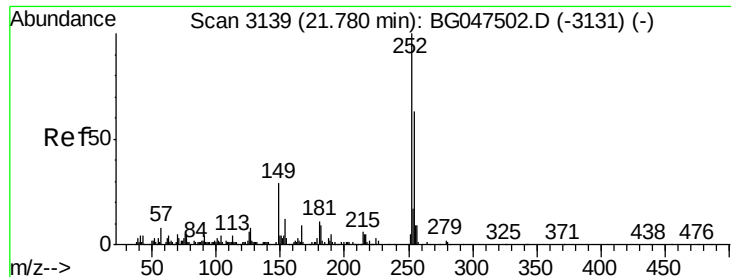


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

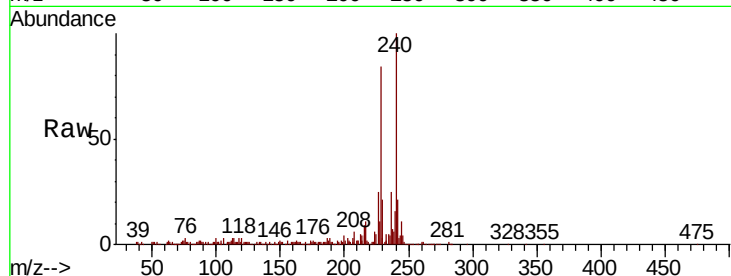




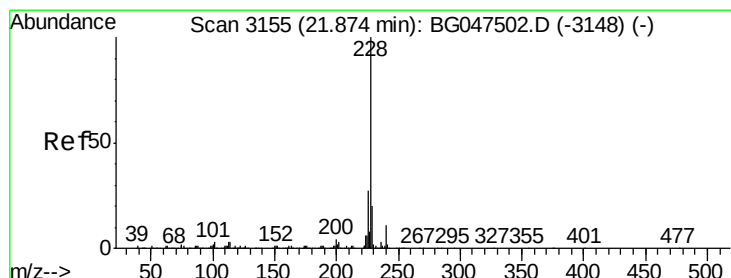
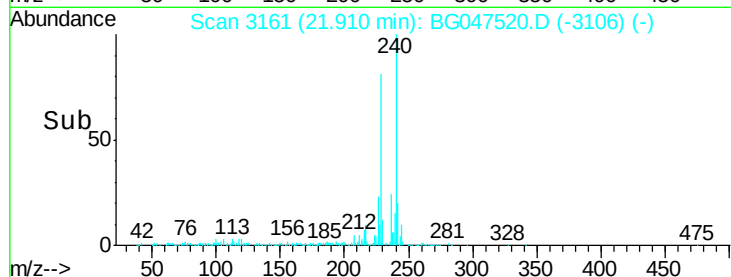
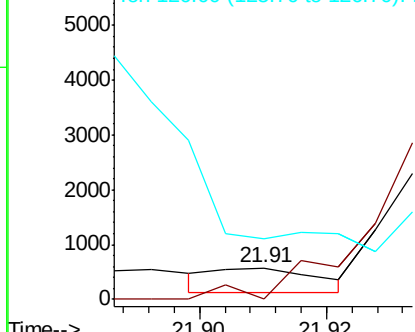
#82
 3,3'-Dichlorobenzidine
 Concen: 81.196 ng/ul
 RT: 21.91 min Scan# 3161
 Delta R.T. 0.12 min
 Lab File: BG047520.D
 Acq: 2 Dec 2020 7:16

Instrument :
 BNA_G
 ClientSampleId :
 C0B24

Tot Ion:252 Resp: 508
 Ion Ratio Lower Upper
 252 100
 254 0.0 47.8 71.8#
 126 190.7 4.2 6.2#

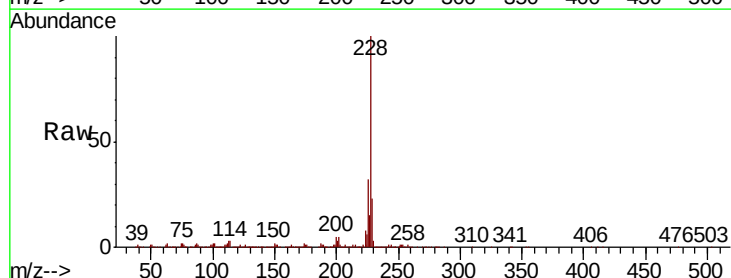


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

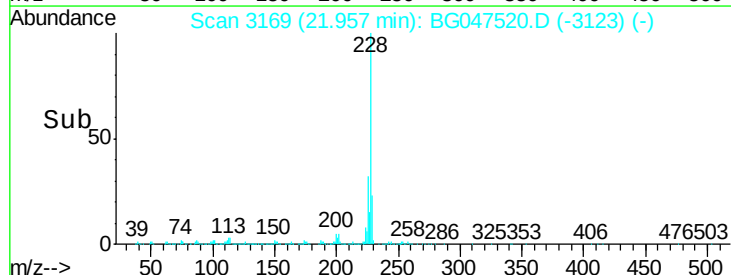
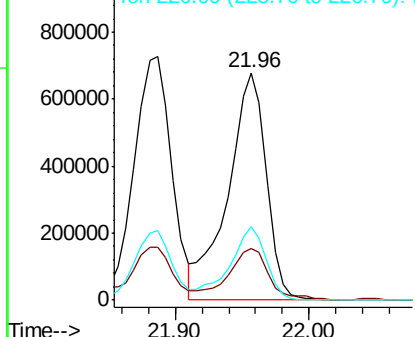


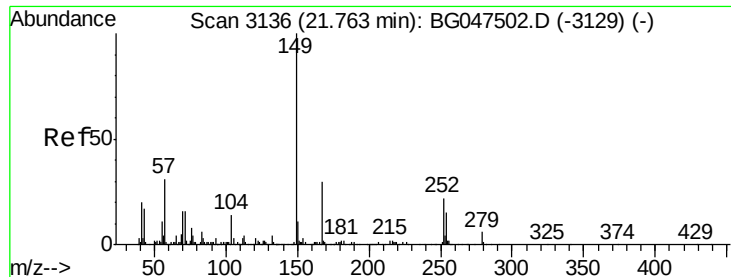
#83
 Benzo(a)anthracene
 Concen: 70524.324 ng/ul
 RT: 21.96 min Scan# 3169
 Delta R.T. 0.07 min
 Lab File: BG047520.D
 Acq: 2 Dec 2020 7:16

Tgt Ion:228 Resp: 1344806
 Ion Ratio Lower Upper
 228 100
 229 23.0 15.6 23.4
 226 32.4 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: 688.317 ng/ul

RT: 21.88 min Scan# 3156

Delta R.T. 0.11 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

ClientSampleId :

C0B24

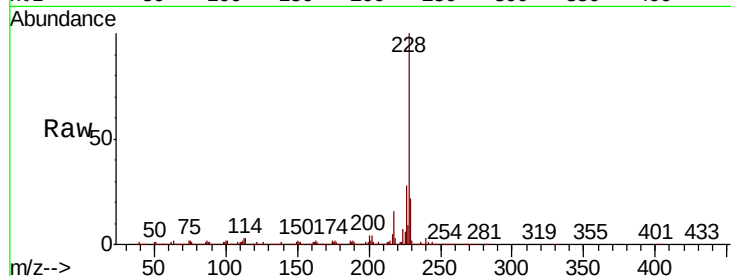
Tot Ion:149 Resp: 6397

Ion Ratio Lower Upper

149 100

167 32.0 23.4 35.2

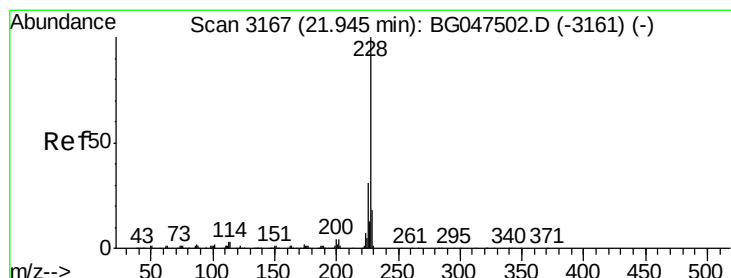
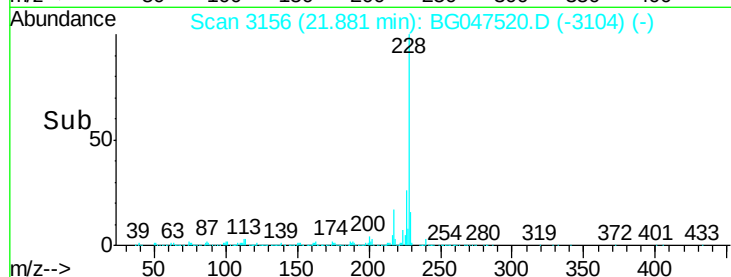
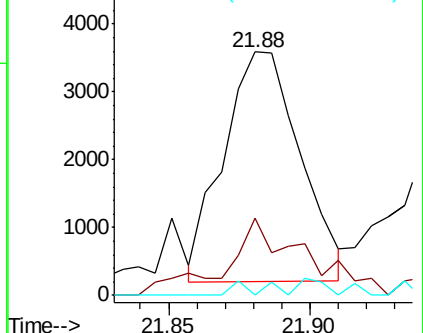
279 0.0 5.9 8.9#



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: 74109.116 ng/ul

RT: 21.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

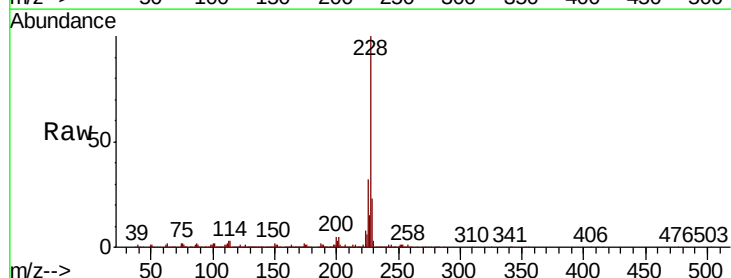
Tgt Ion:228 Resp: 1344806

Ion Ratio Lower Upper

228 100

226 32.4 22.3 33.5

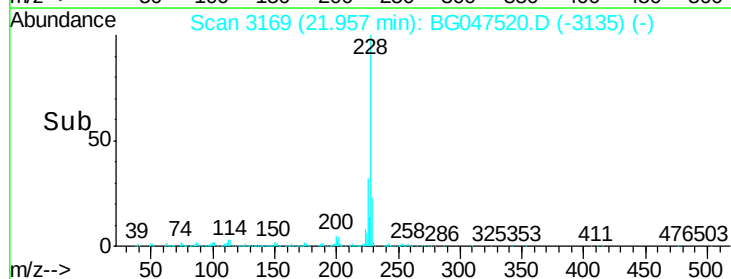
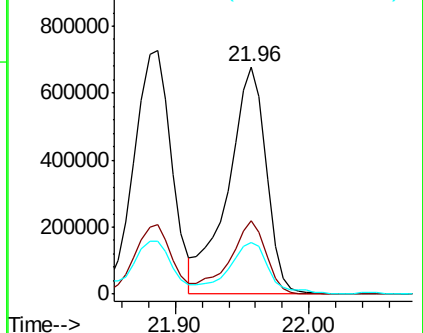
229 23.0 16.5 24.7

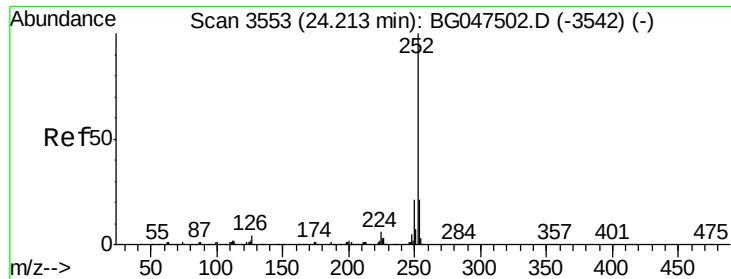


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 96.952 ng/ul

RT: 24.24 min Scan# 3558

Delta R.T. 0.02 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

ClientSampleId :

C0B24

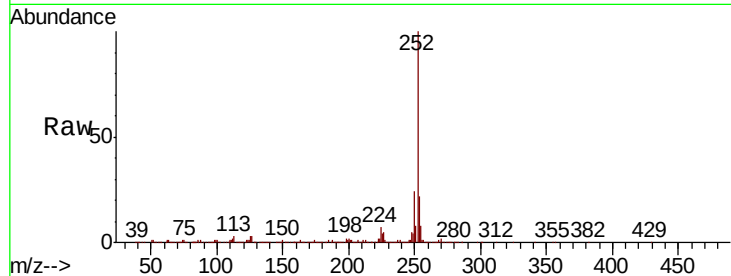
Tot Ion:252 Resp: 1826990

Ion Ratio Lower Upper

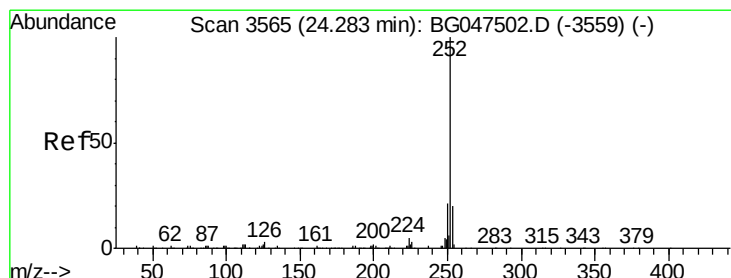
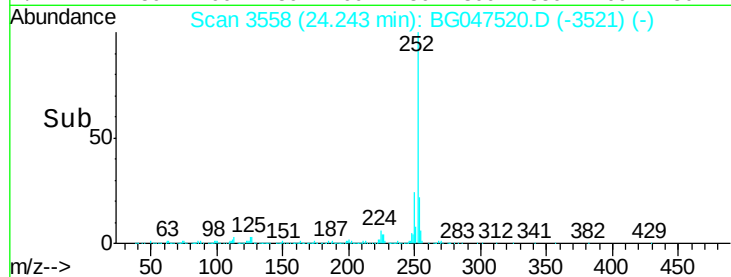
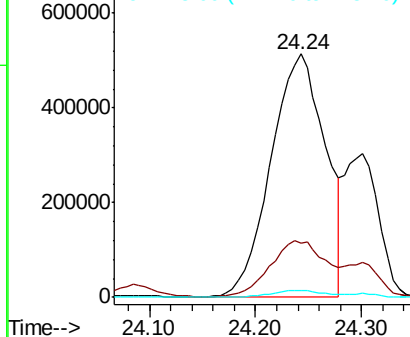
252 100

253 22.4 16.6 25.0

125 2.9 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: 98.382 ng/ul

RT: 24.24 min Scan# 3558

Delta R.T. -0.05 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

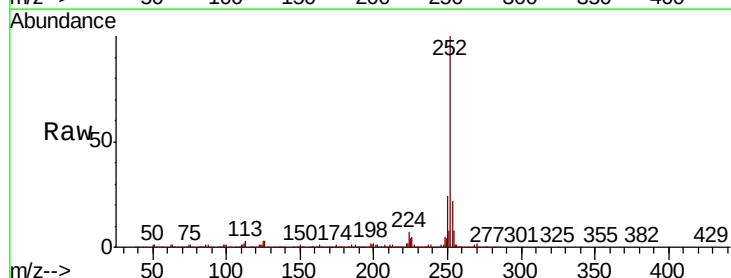
Tgt Ion:252 Resp: 1826990

Ion Ratio Lower Upper

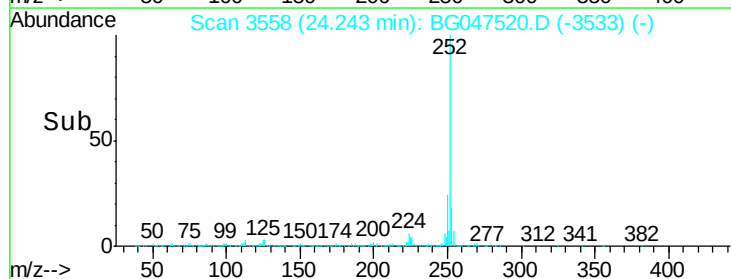
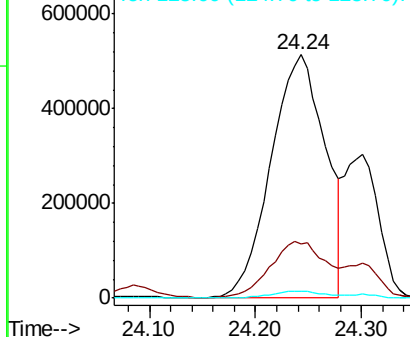
252 100

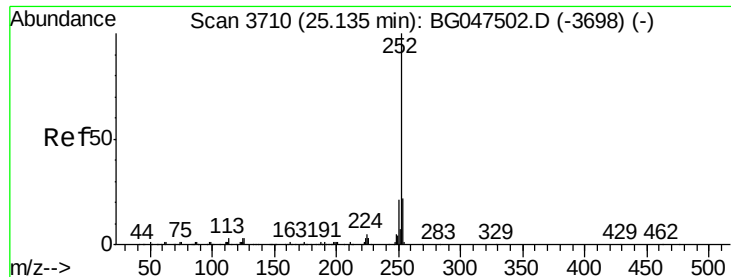
253 22.4 18.2 27.4

125 2.9 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: 48.819 ng/ul

RT: 25.00 min Scan# 3687

Delta R.T. -0.15 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

ClientSampleId :

C0B24

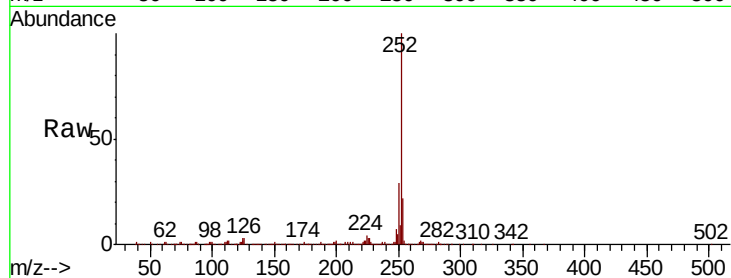
Tot Ion:252 Resp: 820086

Ion Ratio Lower Upper

252 100

253 22.3 18.6 27.8

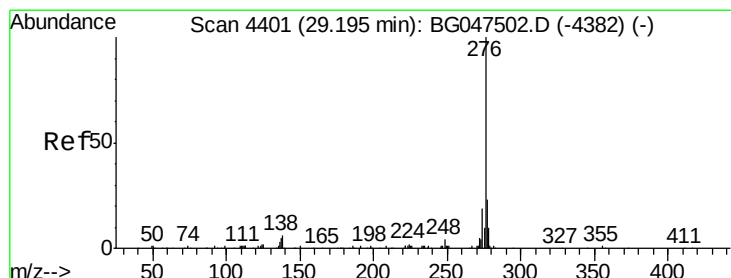
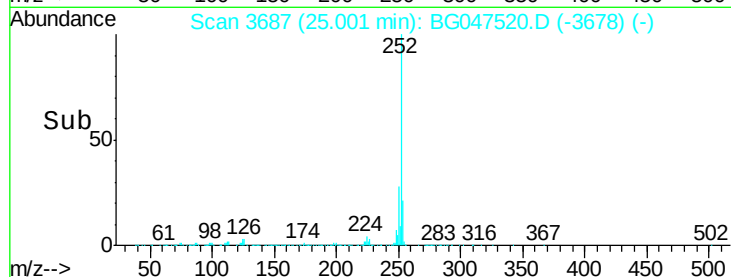
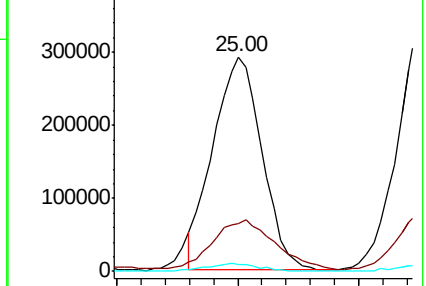
125 3.2 3.1 4.7



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: 45.170 ng/ul

RT: 29.25 min Scan# 4411

Delta R.T. 0.04 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

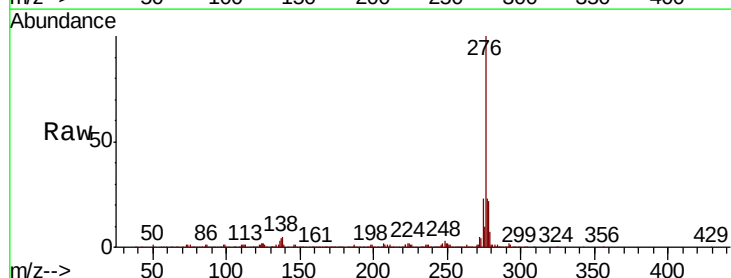
Tgt Ion:276 Resp: 923007

Ion Ratio Lower Upper

276 100

138 5.0 5.0 7.6#

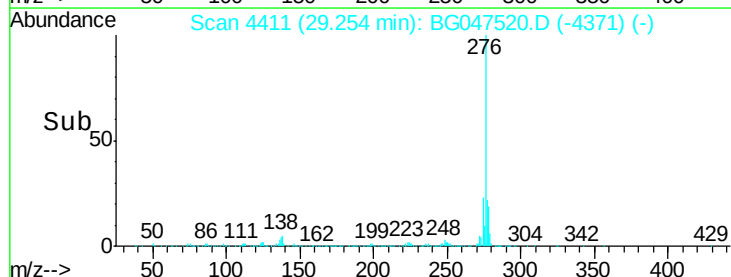
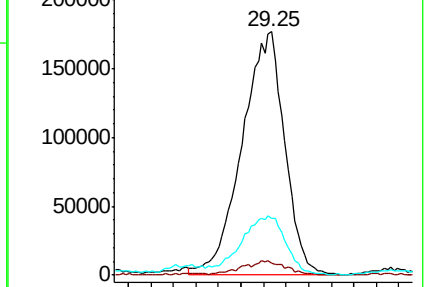
277 23.2 16.5 24.7

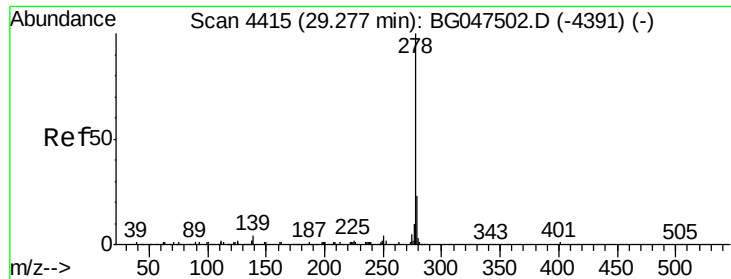


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 8.023 ng/ul

RT: 29.28 min Scan# 4415

Delta R.T. -0.01 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

ClientSampleId :

C0B24

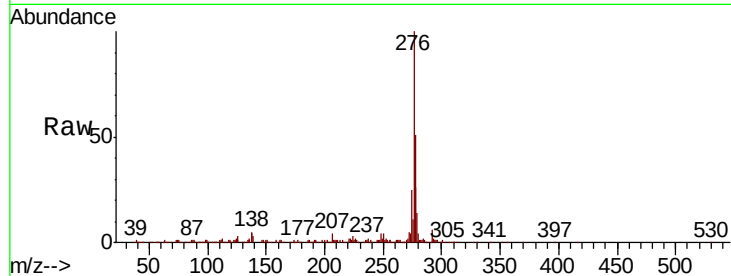
Tot Ion:278 Resp: 134417

Ion Ratio Lower Upper

278 100

139 5.8 4.6 7.0

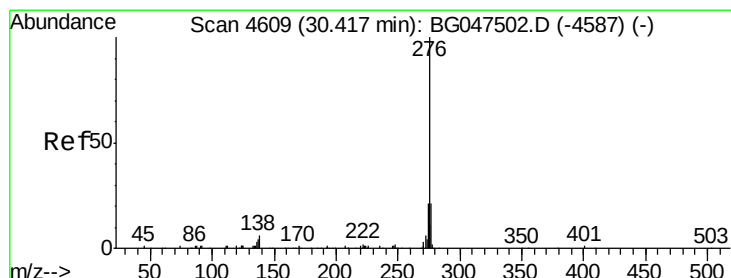
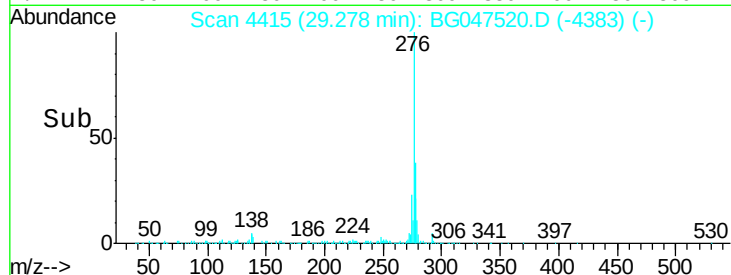
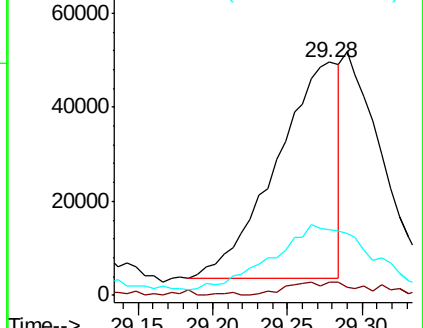
279 28.2 18.2 27.2#



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(g,h,i)perylene

Concen: 45.135 ng/ul

RT: 30.48 min Scan# 4619

Delta R.T. 0.03 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

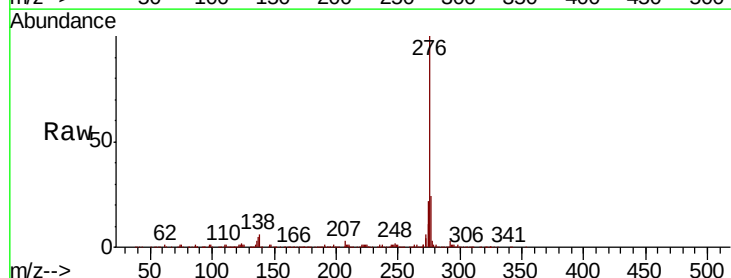
Tgt Ion:276 Resp: 761014

Ion Ratio Lower Upper

276 100

138 6.1 5.8 8.6

277 23.6 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

