

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111620\
 Data File : BG047336.D
 Acq On : 16 Nov 2020 18:58
 Operator : CG/JU
 Sample : L4762-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC8

Quant Time: Nov 17 01:27:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 16 12:10:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	60358	20.00	ng/ul	0.01
18) Naphthalene-d8	10.83	136	231964	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.66	164	148633	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.42	188	303118	20.00	ng/ul	0.02
78) Chrysene-d12	21.69	240	345878	20.00	ng/ul	0.04
86) Perylene-d12	24.89	264	1495	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.19	99	161873	30.90	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.34	67	91980	30.53	ng/ul	0.02
9) 2-Chlorophenol-d4	7.55	132	133632	32.80	ng/ul	0.02
13) 4-Methylphenol-d8	8.73	113	133515	31.95	ng/ul	0.02
19) Nitrobenzene-d5	9.18	128	64494	33.17	ng/ul	0.02
22) 2-Nitrophenol-d4	9.91	143	52605	23.16	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.45	165	140390	31.68	ng/ul	0.02
29) 4-Chloroaniline-d4	10.96	131	124597	32.97	ng/ul	0.02
44) Dimethylphthalate-d6	14.06	166	357706	29.27	ng/ul	0.01
47) Acenaphthylene-d8	14.35	160	456335	31.56	ng/ul	0.02
52) 4-Nitrophenol-d4	14.88	143	61141	31.78	ng/ul	0.03
58) Fluorene-d10	15.65	176	327805	28.89	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.75	200	2134	1.02	ng/ul	0.00
71) Anthracene-d10	17.51	188	482978	32.87	ng/ul	0.02
79) Pyrene-d10	19.80	212	559694	28.37	ng/ul	0.03
90) Benzo(a)pyrene-d12	24.67	264	940	11.44	ng/ul	0.03

Target Compounds

				Ovalue	
14) Acetophenone	8.82	105	9319	1.460	ng/ul# 32
17) Hexachloroethane	9.13	117	3006	1.611	ng/ul# 1
28) Naphthalene	10.88	128	65182	5.002	ng/ul# 88
34) 2-Methylnaphthalene	12.49	142	188801	20.307	ng/ul 99
35) 1-Methylnaphthalene	12.70	142	120239	11.037	ng/uL# 96
41) 1,1'-Biphenyl	13.49	154	34335	2.928	ng/ul# 96
45) Dimethylphthalate	14.11	163	98293	8.014	ng/ul# 94
48) Acenaphthylene	14.39	152	19480	1.440	ng/ul# 10
49) 3-Nitroaniline	14.57	138	3005	1.733	ng/ul# 32
50) Acenaphthene	14.73	153	48327	4.938	ng/ul# 68
53) 4-Nitrophenol	14.88	109	4449	2.262	ng/ul# 61
54) Dibenzofuran	14.97	168	14640	1.028	ng/ul 95
59) Fluorene	15.71	166	42261	3.615	ng/ul# 76
65) N-Nitrosodiphenylamine	15.92	169	356165	40.655	ng/ul# 38
68) Atrazine	16.86	200	6334	1.675	ng/ul# 49
70) Phenanthrene	17.46	178	751867	44.225	ng/ul# 96
72) Anthracene	17.55	178	74009	4.332	ng/ul# 74
77) Fluoranthene	19.47	202	189795	9.275	ng/ul# 96
80) Pyrene	19.83	202	769162	32.496	ng/ul 98
83) Benzo(a)anthracene	21.68	228	121330	5.178	ng/ul# 32
84) Bis(2-ethylhexyl)phthalate	21.56	149	13381	1.110	ng/ul# 1
85) Chrysene	21.74	228	159683	7.083	ng/ul# 60
87) Di-n-octyl phthalate	22.77	149	751	8.974	ng/ul 100

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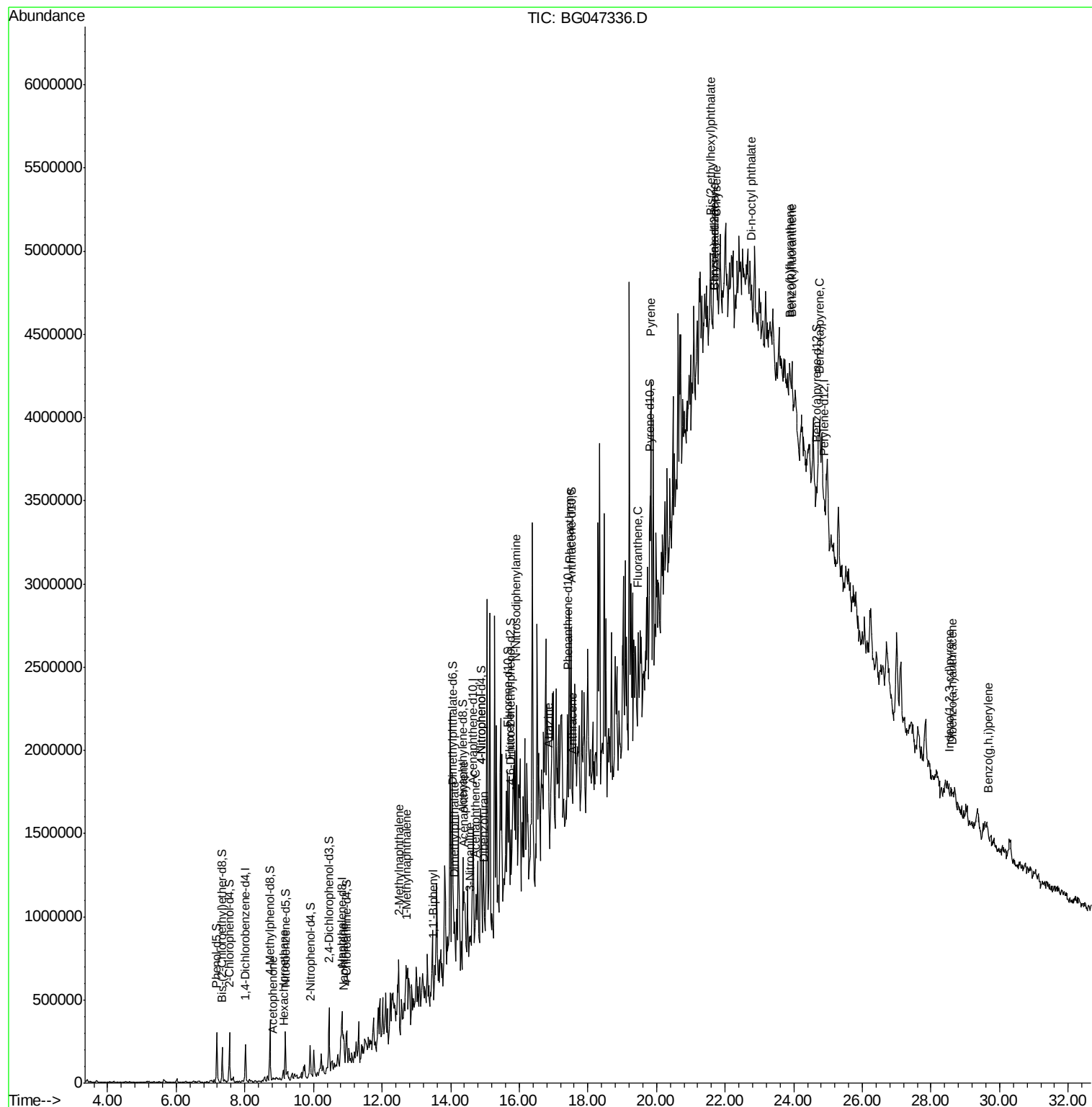
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(b)fluoranthene	23.88	252	2641	26.594	ng/ul#	1
89) Benzo(k)fluoranthene	23.94	252	122214	1270.016	ng/ul#	31
91) Benzo(a)pyrene	24.75	252	2761	30.874	ng/ul#	1
92) Indeno(1,2,3-cd)pyrene	28.54	276	798	7.180	ng/ul#	1
93) Dibenzo(a,h)anthracene	28.61	278	797	8.841	ng/ul#	1
94) Benzo(a,h,i)perylene	29.68	276	467	5.028	ng/ul#	1

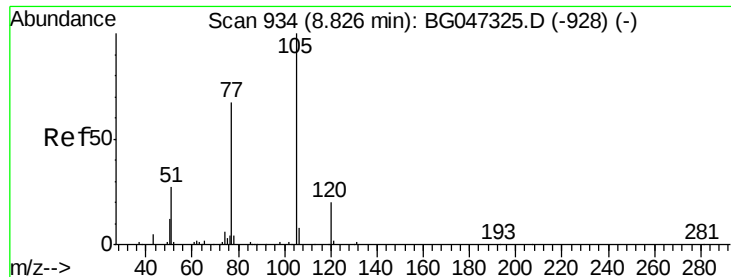
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 1.460 ng/ul

RT: 8.82 min Scan# 933

Delta R.T. -0.01 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

ClientSampleId :

C0AC8

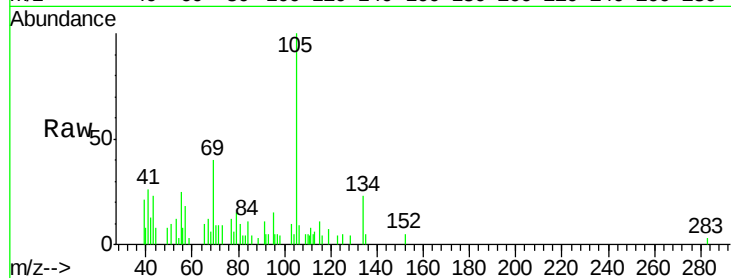
Tot Ion:105 Resp: 9319

Ion Ratio Lower Upper

105 100

77 12.3 66.9 100.3#

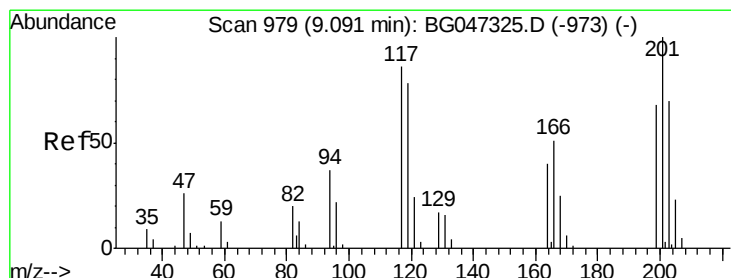
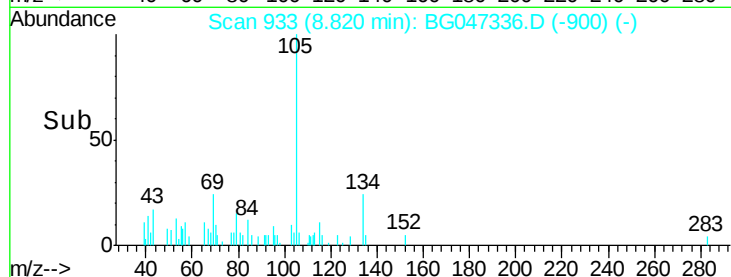
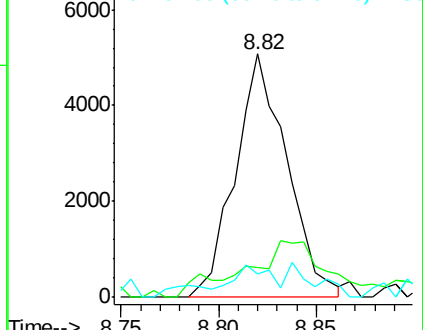
51 9.9 24.9 37.3#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG0

Ion 51.00 (50.70 to 51.70): BG0



#17

Hexachloroethane

Concen: 1.611 ng/ul

RT: 9.13 min Scan# 986

Delta R.T. 0.04 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

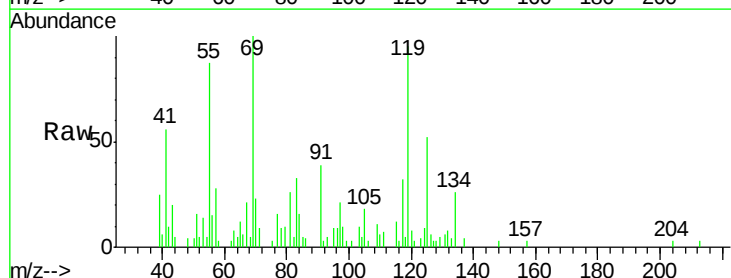
Tgt Ion:117 Resp: 3006

Ion Ratio Lower Upper

117 100

201 0.0 96.5 144.7#

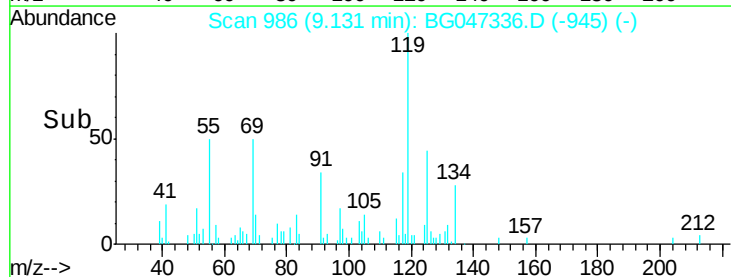
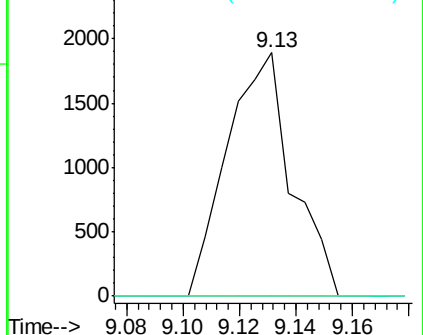
199 0.0 62.4 93.6#

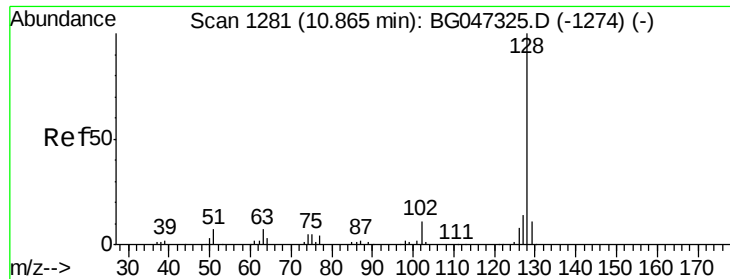


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#28

Naphthalene

Concen: 5.002 ng/ul

RT: 10.88 min Scan# 1284

Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

ClientSampleId :

C0AC8

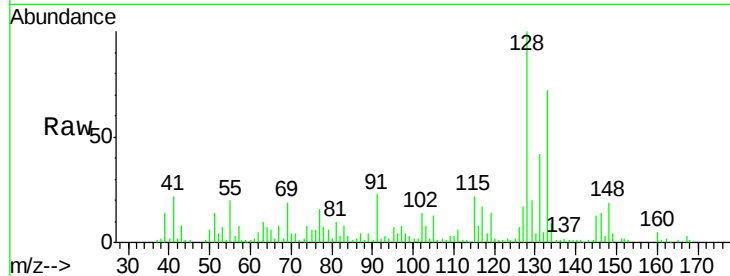
Tot Ion:128 Resp: 65182

Ion Ratio Lower Upper

128 100

129 19.7 9.4 14.2#

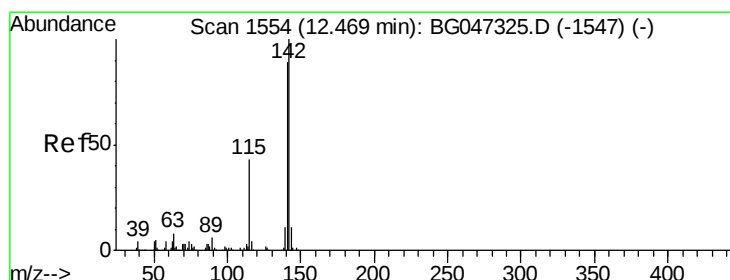
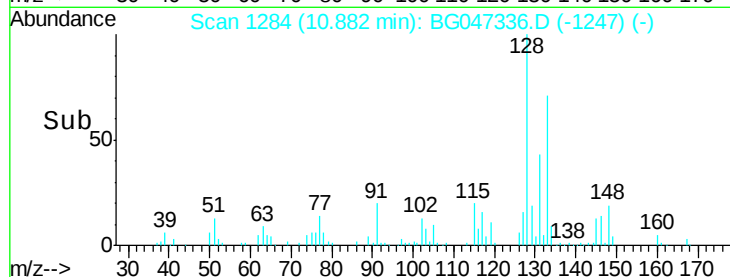
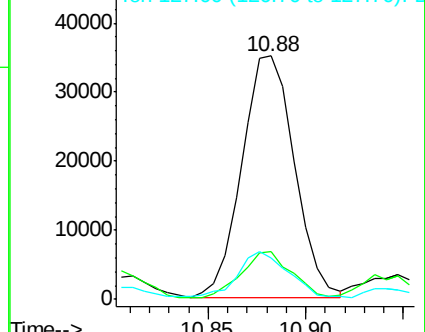
127 16.8 11.5 17.3



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



#34

2-Methylnaphthalene

Concen: 20.307 ng/ul

RT: 12.49 min Scan# 1557

Delta R.T. 0.02 min

Lab File: BG047336.D

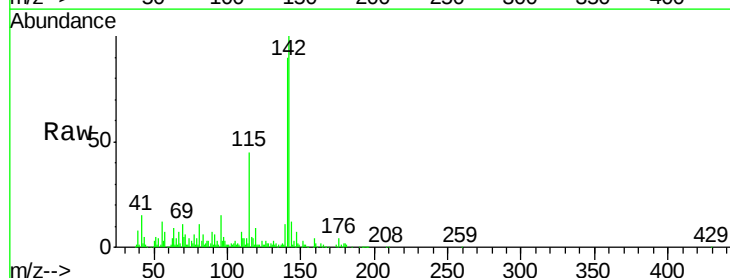
Acq: 16 Nov 2020 18:58

Tgt Ion:142 Resp: 188801

Ion Ratio Lower Upper

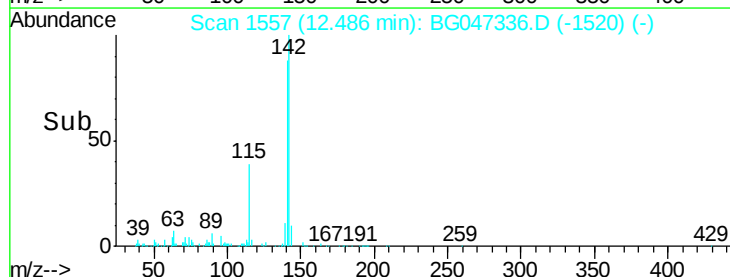
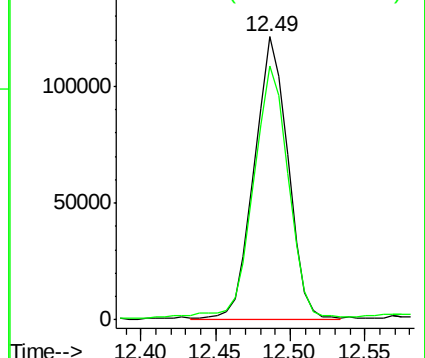
142 100

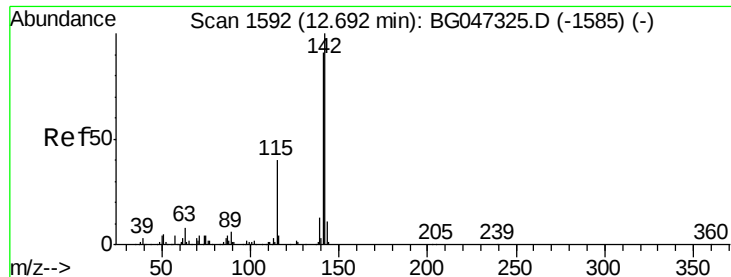
141 89.8 72.4 108.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 11.037 ng/uL

RT: 12.70 min Scan# 1594

Delta R.T. 0.01 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

ClientSampleId :

C0AC8

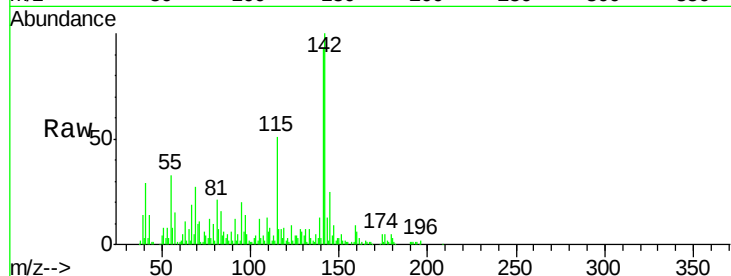
Tot Ion:142 Resp: 120239

Ion Ratio Lower Upper

142 100

141 96.2 73.9 110.9

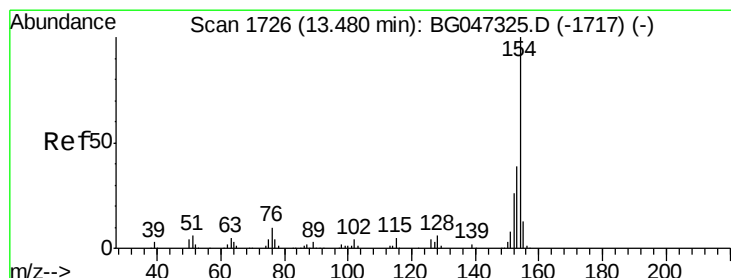
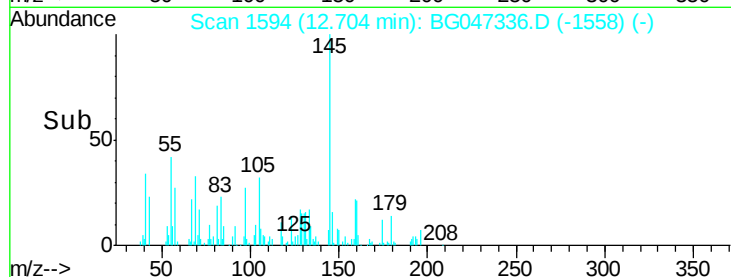
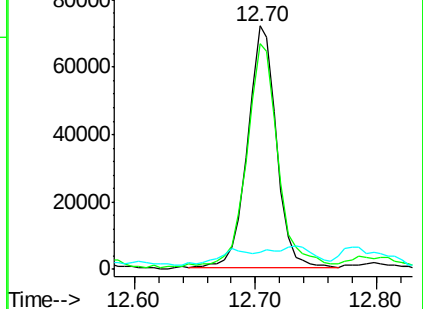
116 1.7 3.6 5.4#



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



#41

1,1'-Biphenyl

Concen: 2.928 ng/uL

RT: 13.49 min Scan# 1728

Delta R.T. 0.01 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

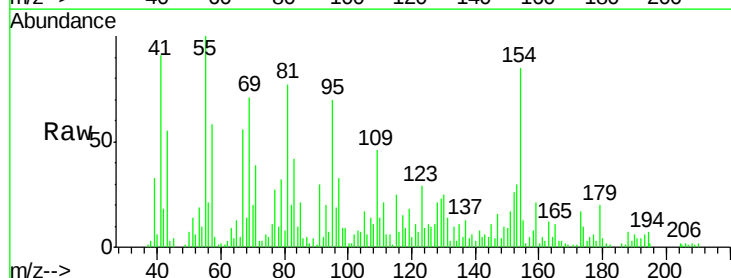
Tgt Ion:154 Resp: 34335

Ion Ratio Lower Upper

154 100

153 35.6 30.2 45.4

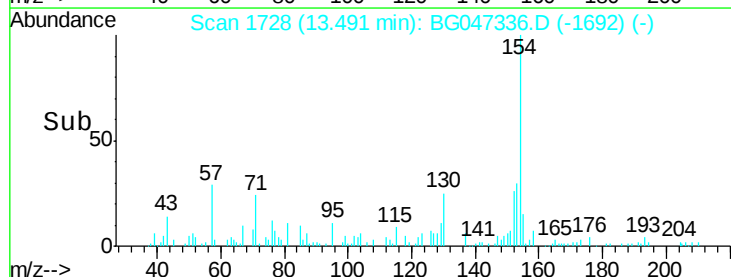
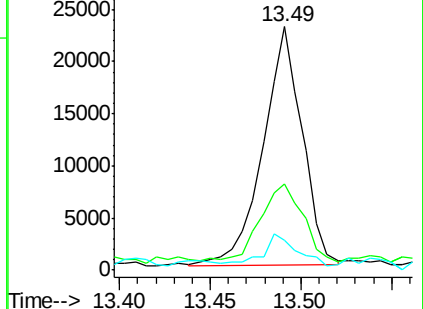
76 12.5 7.8 11.6#

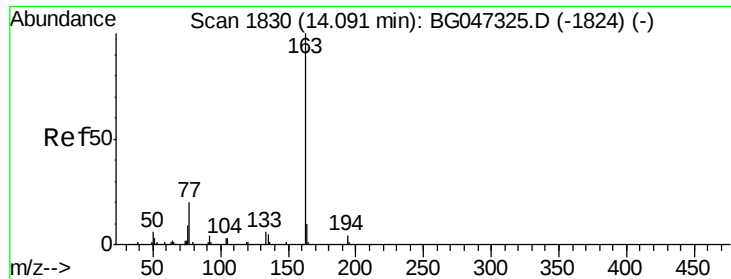


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG

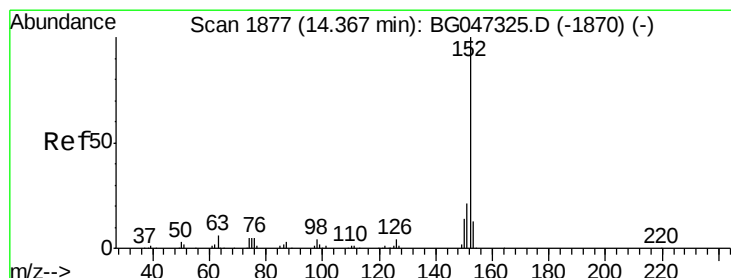
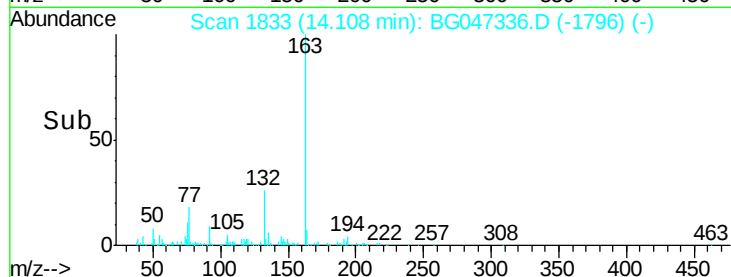
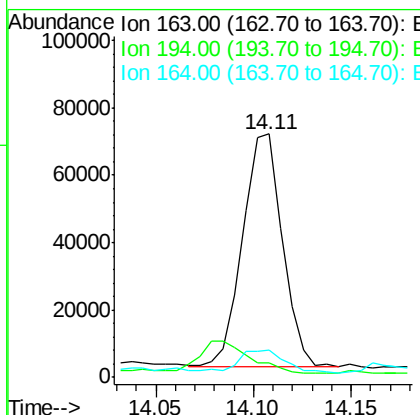
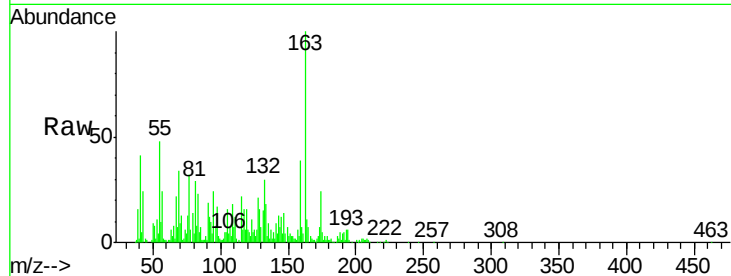




#45
Dimethylphthalate
Concen: 8.014 ng/ul
RT: 14.11 min Scan# 1833
Delta R.T. 0.02 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

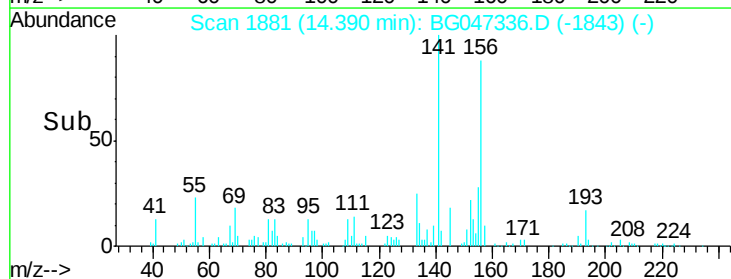
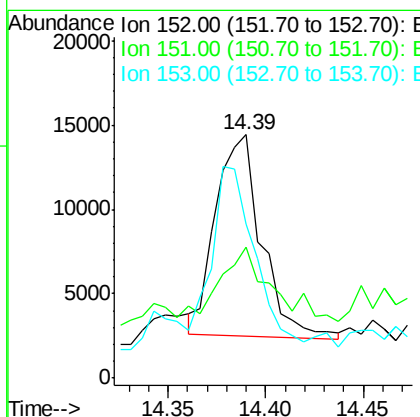
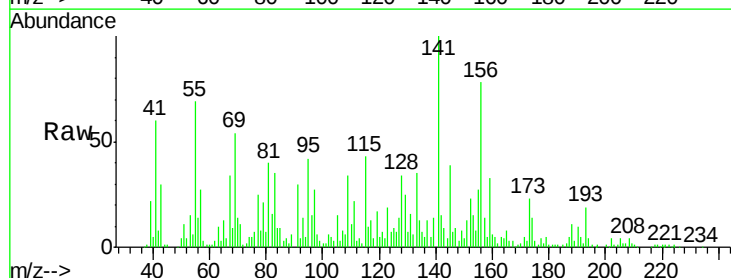
Instrument :
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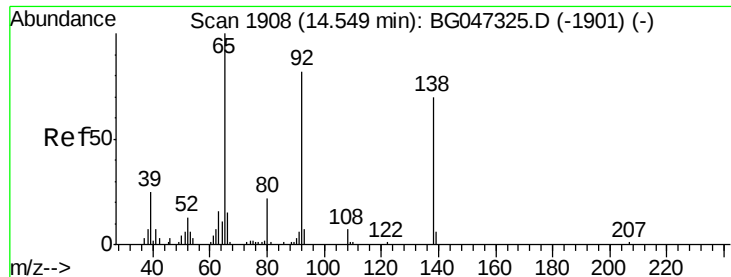
Tot Ion	Ratio	Lower	Upper
163	100		
194	5.9	3.4	5.0#
164	11.4	7.2	10.8#



#48
Acenaphthylene
Concen: 1.440 ng/ul
RT: 14.39 min Scan# 1881
Delta R.T. 0.02 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	54.0	17.4	26.2#
153	63.2	10.2	15.4#





#49

3-Nitroaniline

Concen: 1.733 ng/ul

RT: 14.57 min Scan# 1911

Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

ClientSampled :

C0AC8

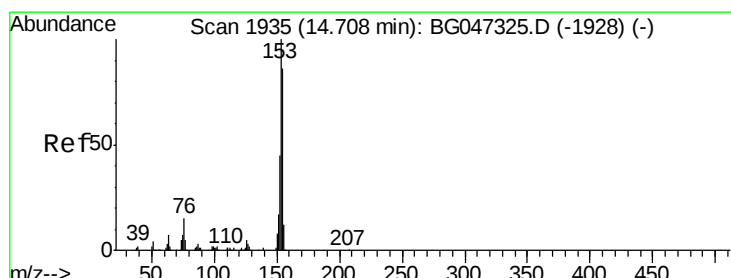
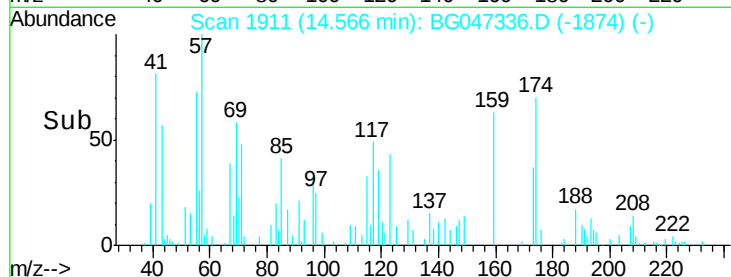
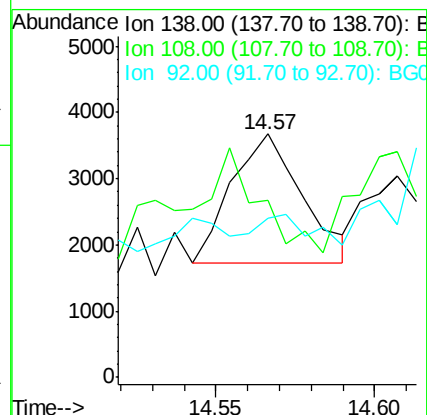
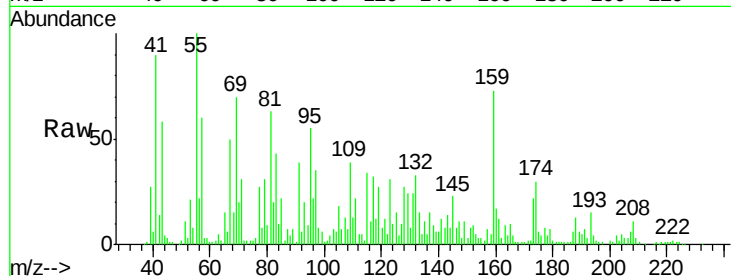
Tot Ion:138 Resp: 3005

Ion Ratio Lower Upper

138 100

108 72.5 8.8 13.2#

92 65.2 110.8 166.2#



#50

Acenaphthene

Concen: 4.938 ng/ul

RT: 14.73 min Scan# 1939

Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

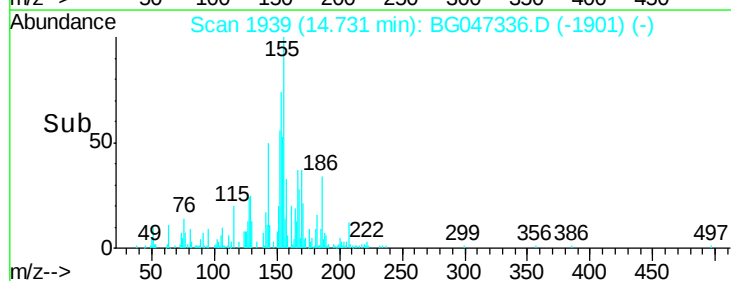
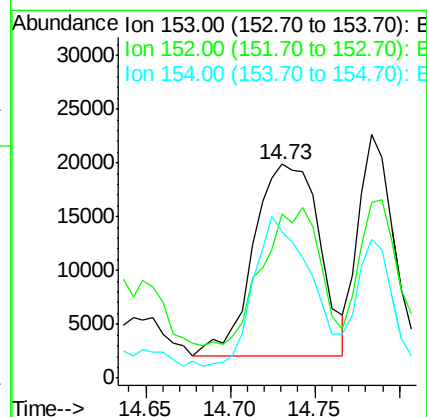
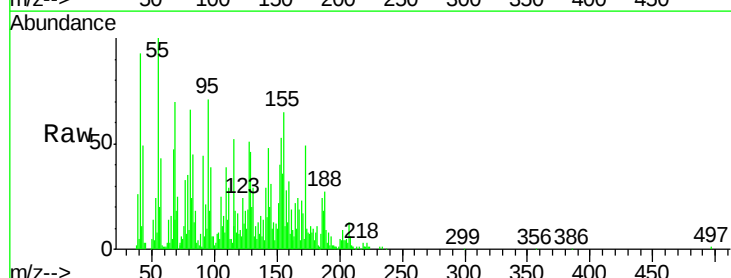
Tgt Ion:153 Resp: 48327

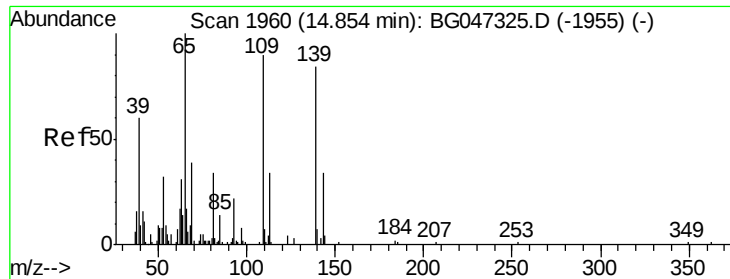
Ion Ratio Lower Upper

153 100

152 76.9 37.0 55.4#

154 68.2 74.0 111.0#

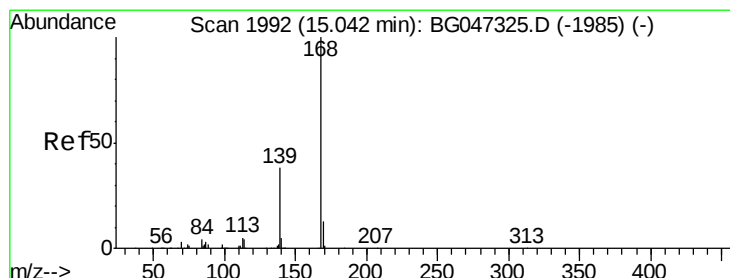
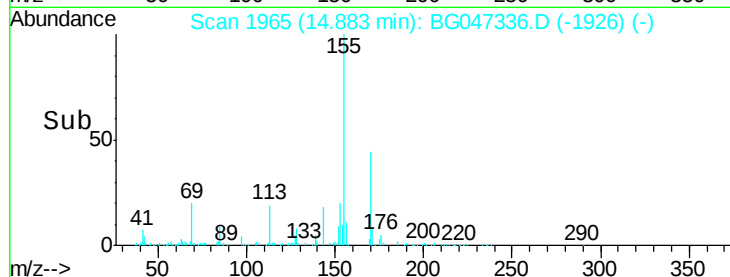
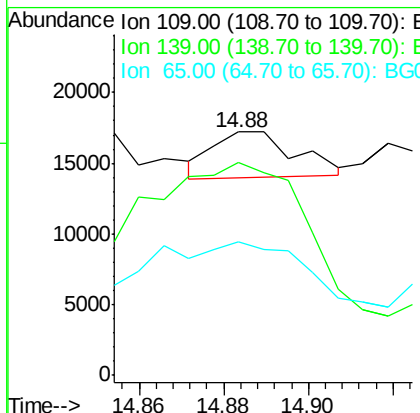
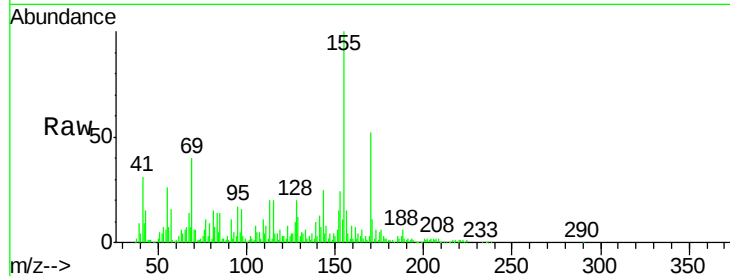




#53
 4-Nitrophenol
 Concen: 2.262 ng/ul
 RT: 14.88 min Scan# 1965
 Delta R.T. 0.03 min
 Lab File: BG047336.D
 Acq: 16 Nov 2020 18:58

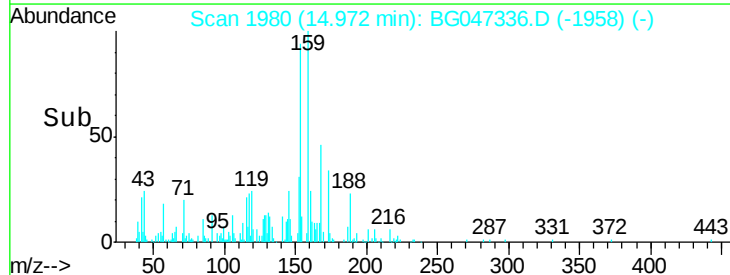
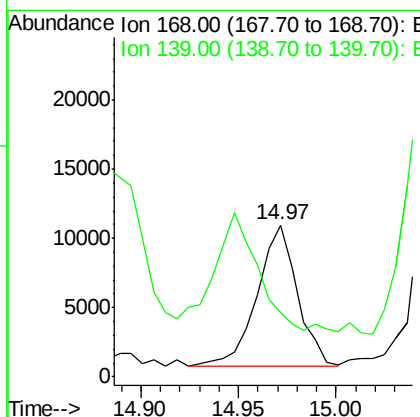
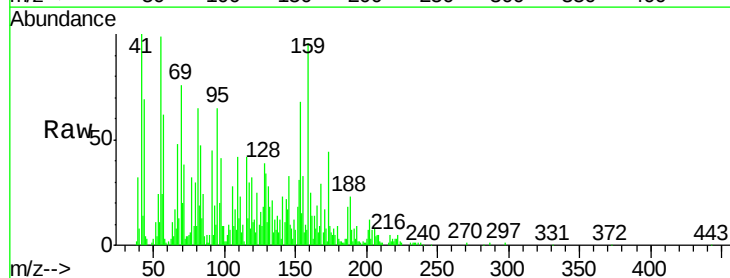
Instrument :
 BNA_G
 ClientSampleId :
 C0AC8

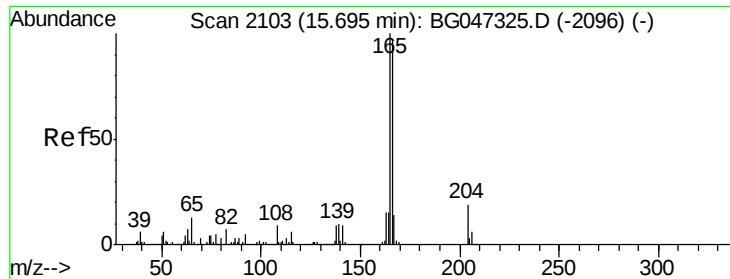
Tot Ion:109 Resp: 4449
 Ion Ratio Lower Upper
 109 100
 139 87.6 82.2 123.2
 65 55.0 96.4 144.6#



#54
 Dibenzofuran
 Concen: 1.028 ng/ul
 RT: 14.97 min Scan# 1980
 Delta R.T. -0.07 min
 Lab File: BG047336.D
 Acq: 16 Nov 2020 18:58

Tgt Ion:168 Resp: 14640
 Ion Ratio Lower Upper
 168 100
 139 42.5 31.5 47.3





#59

Fluorene

Concen: 3.615 ng/ul

RT: 15.71 min Scan# 2106

Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

ClientSampleId :

C0AC8

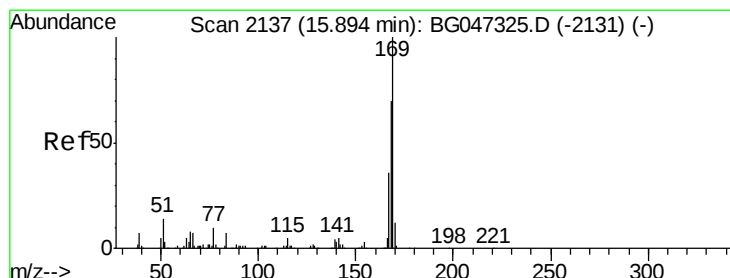
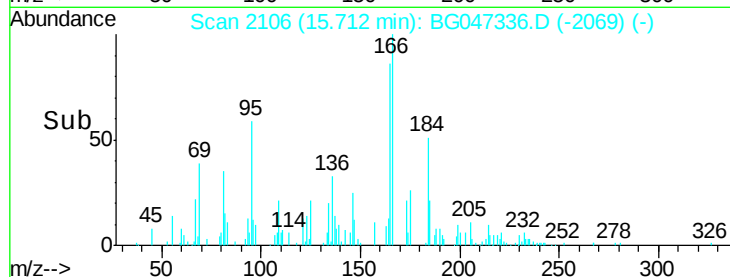
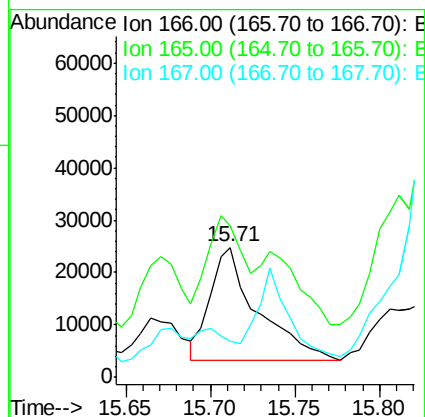
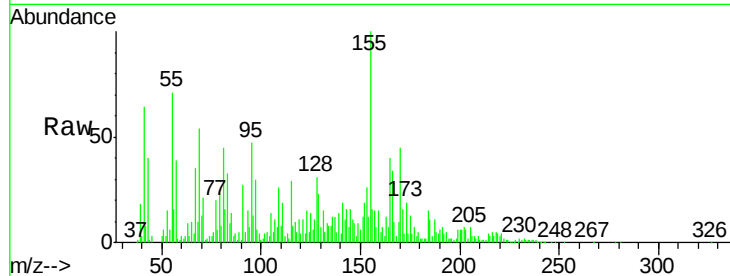
Tot Ion:166 Resp: 42261

Ion Ratio Lower Upper

166 100

165 116.6 76.2 114.4#

167 27.8 10.4 15.6#



#65

N-Nitrosodiphenylamine

Concen: 40.655 ng/ul

RT: 15.92 min Scan# 2141

Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

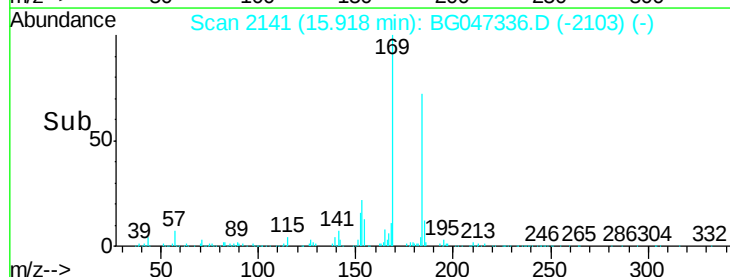
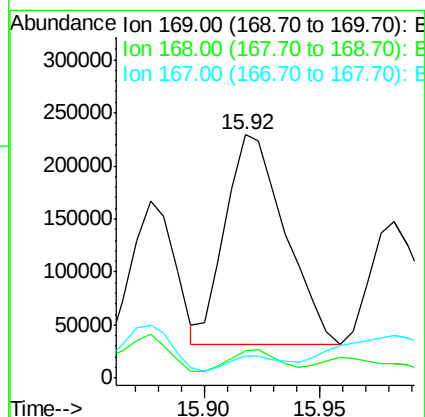
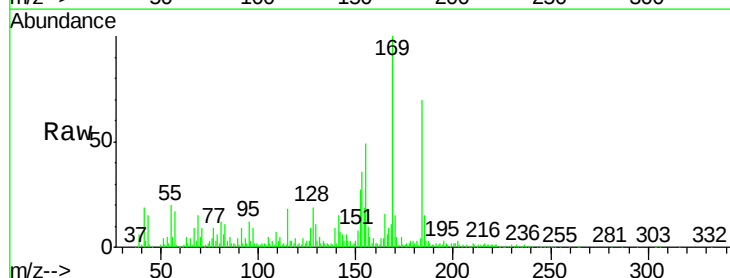
Tgt Ion:169 Resp: 356165

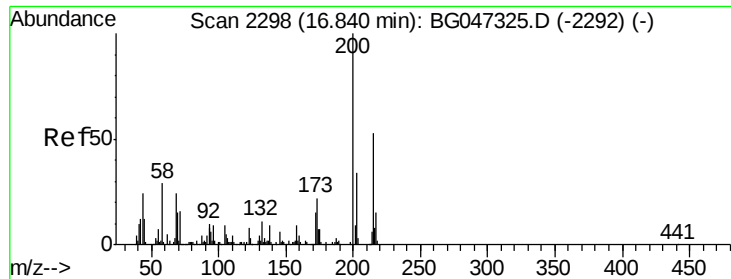
Ion Ratio Lower Upper

169 100

168 11.2 55.8 83.8#

167 9.4 28.2 42.4#





#68

Atrazine

Concen: 1.675 ng/ul

RT: 16.86 min Scan# 2302

Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

ClientSampled :

C0AC8

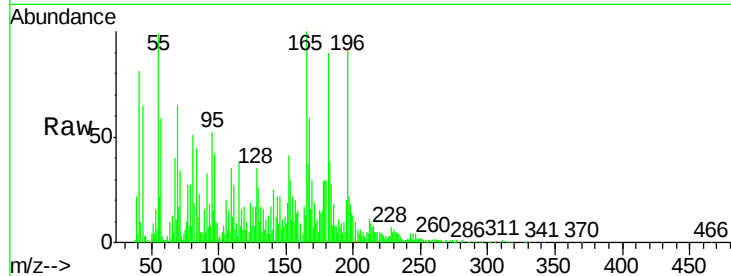
Tot Ion:200 Resp: 6334

Ion Ratio Lower Upper

200 100

173 87.3 16.6 24.8#

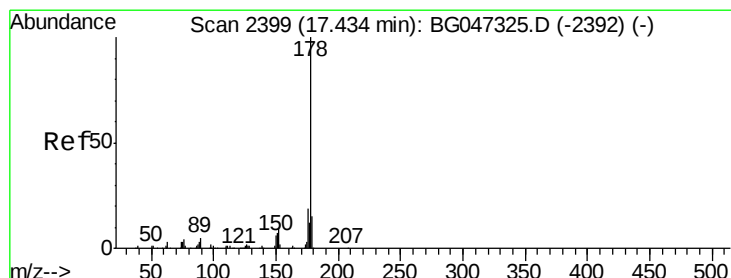
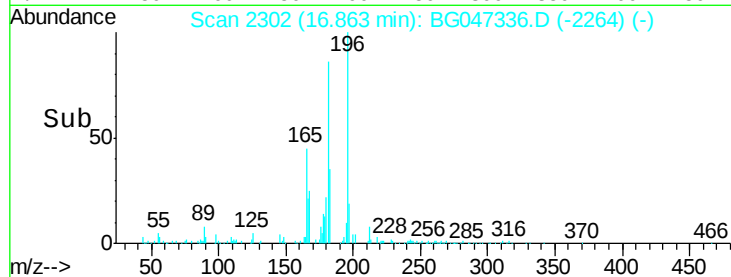
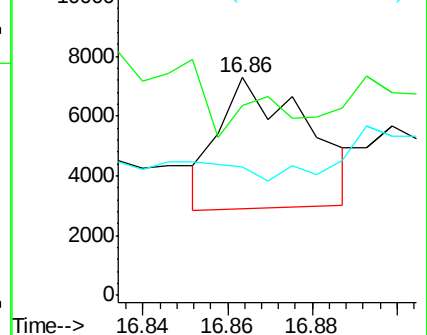
215 59.0 40.1 60.1



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Phenanthrene

Concen: 44.225 ng/ul

RT: 17.46 min Scan# 2403

Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

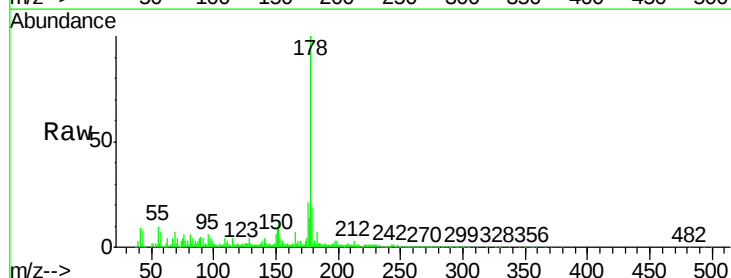
Tgt Ion:178 Resp: 751867

Ion Ratio Lower Upper

178 100

179 18.8 12.2 18.4#

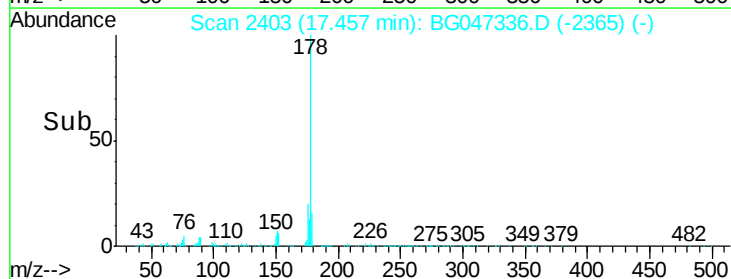
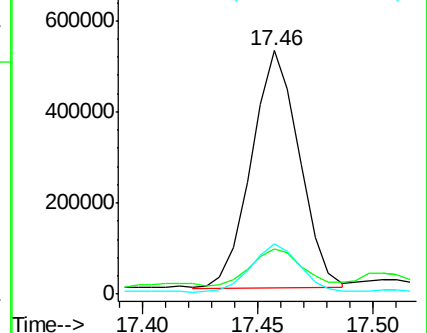
176 20.6 16.5 24.7

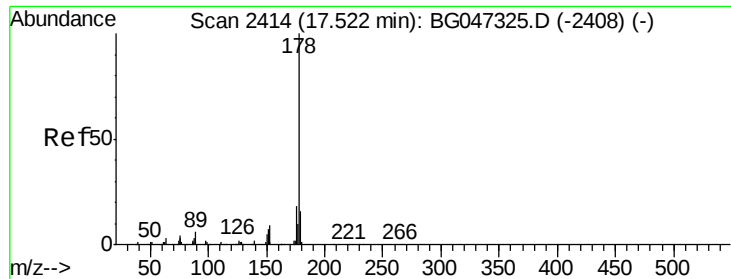


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 4.332 ng/ul

RT: 17.55 min Scan# 2418

Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

ClientSampleId :

C0AC8

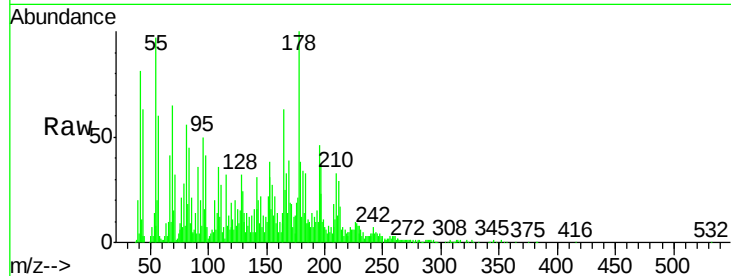
Tot Ion:178 Resp: 74009

Ion Ratio Lower Upper

178 100

179 37.8 12.4 18.6#

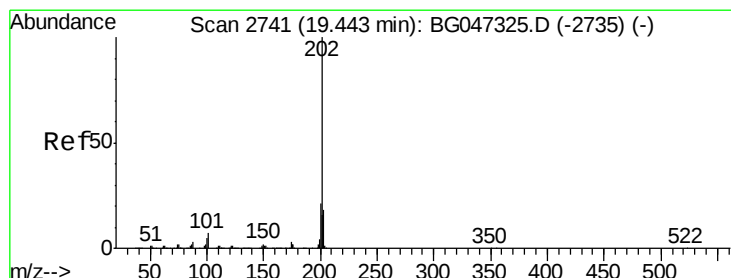
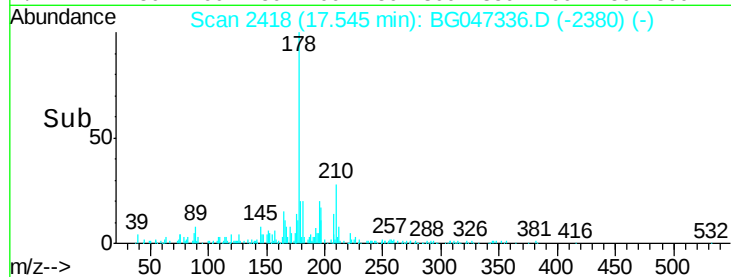
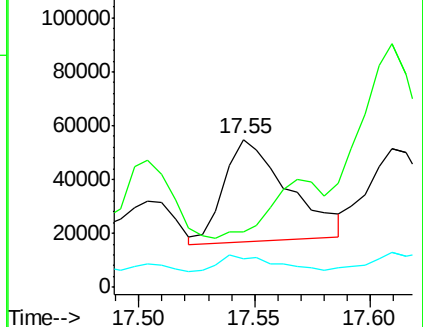
176 19.4 14.4 21.6



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



#77

Fluoranthene

Concen: 9.275 ng/ul

RT: 19.47 min Scan# 2745

Delta R.T. 0.02 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

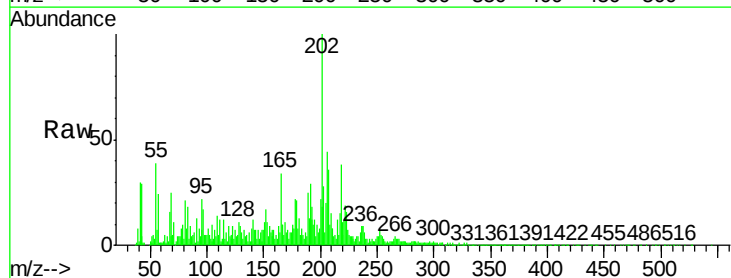
Tgt Ion:202 Resp: 189795

Ion Ratio Lower Upper

202 100

101 8.5 5.0 7.6#

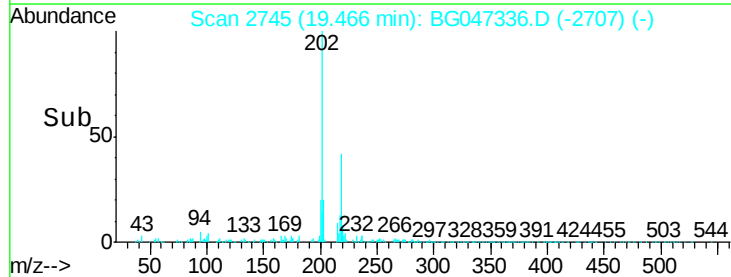
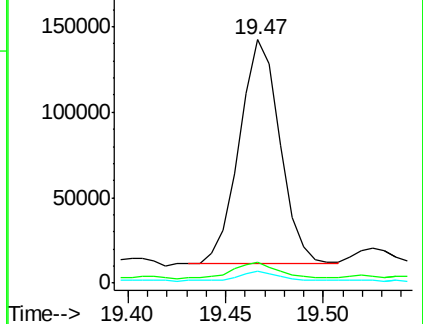
100 5.0 4.2 6.2

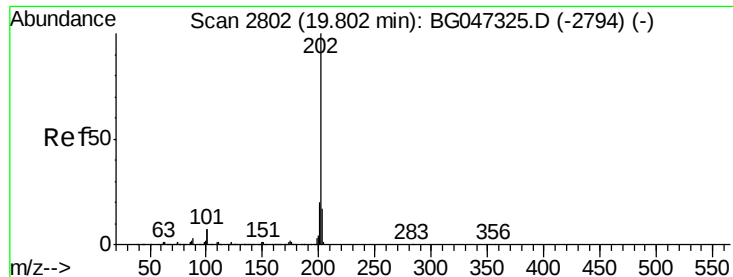


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

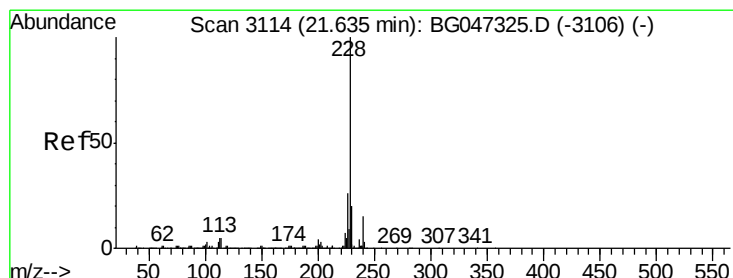
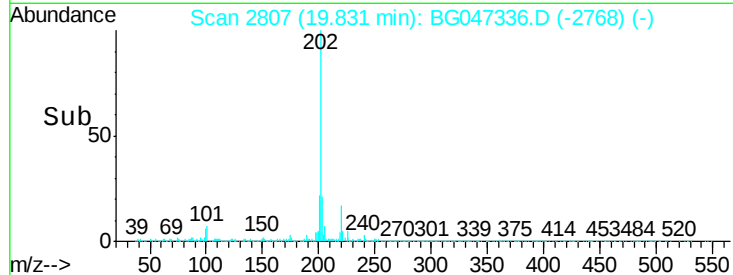
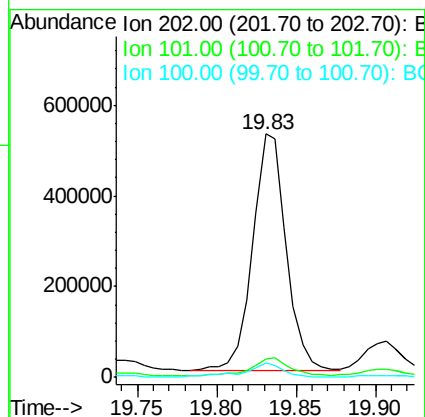
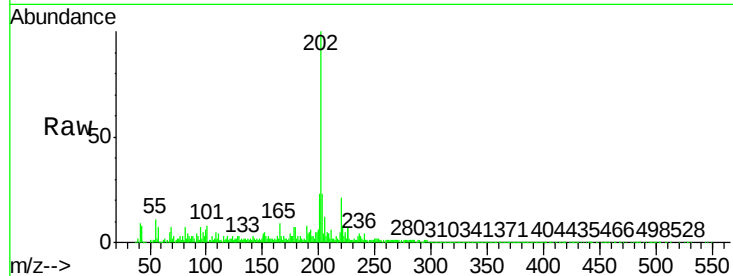




#80
Pvrene
Concen: 32.496 ng/ul
RT: 19.83 min Scan# 2807
Delta R.T. 0.03 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

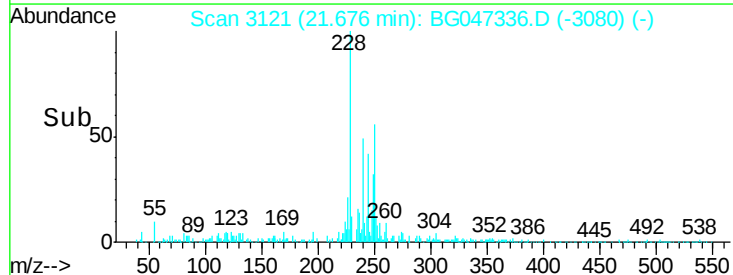
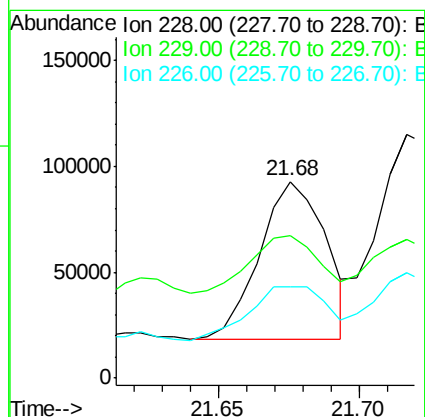
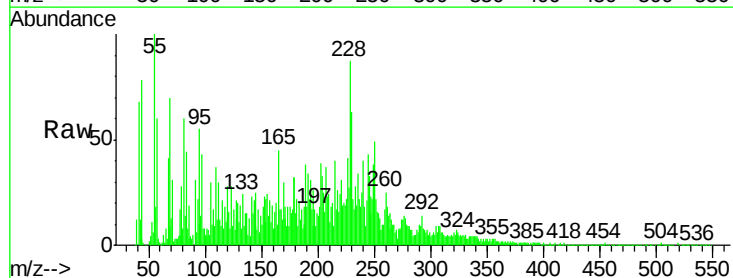
Instrument :
BNA_G
ClientSampleId :
C0AC8

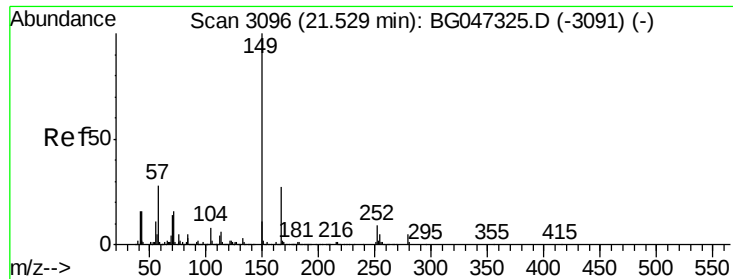
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.5	9.7
100	5.8	5.7	8.5



#83
Benzo(a)anthracene
Concen: 5.178 ng/ul
RT: 21.68 min Scan# 3121
Delta R.T. 0.04 min
Lab File: BG047336.D
Acq: 16 Nov 2020 18:58

Tgt Ion	Ratio	Lower	Upper
228	100		
229	72.2	15.1	22.7#
226	46.5	22.7	34.1#





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.110 ng/ul

RT: 21.56 min Scan# 3102

Delta R.T. 0.03 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

ClientSampleId :

C0AC8

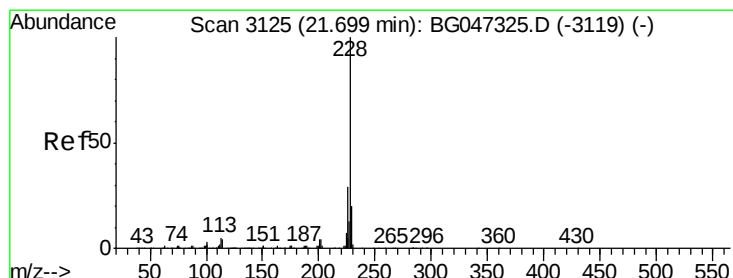
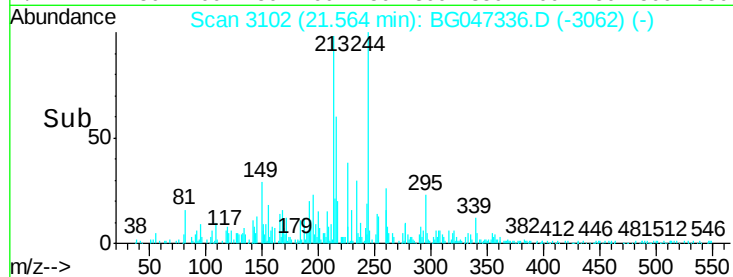
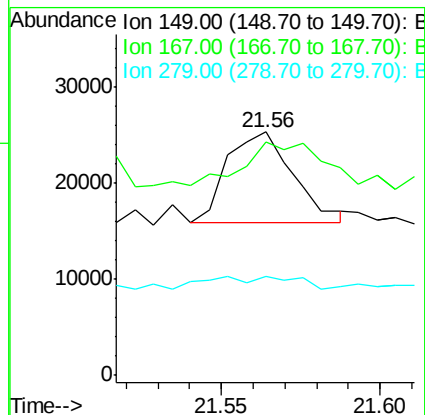
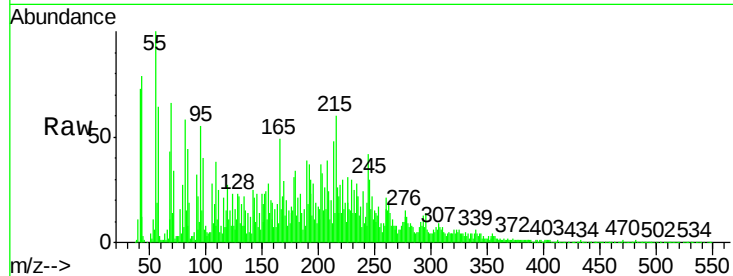
Tot Ion:149 Resp: 13381

Ion Ratio Lower Upper

149 100

167 96.0 22.7 34.1#

279 40.6 4.6 7.0#



#85

Chrysene

Concen: 7.083 ng/ul

RT: 21.74 min Scan# 3132

Delta R.T. 0.04 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

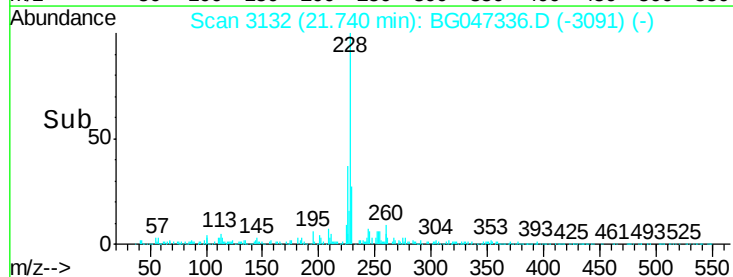
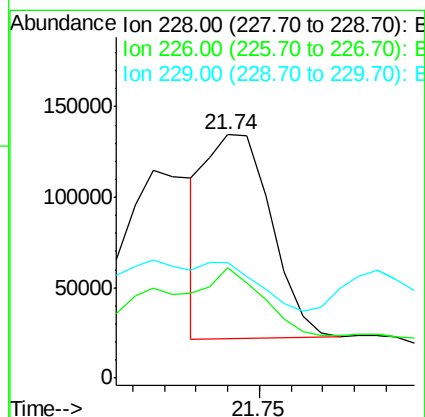
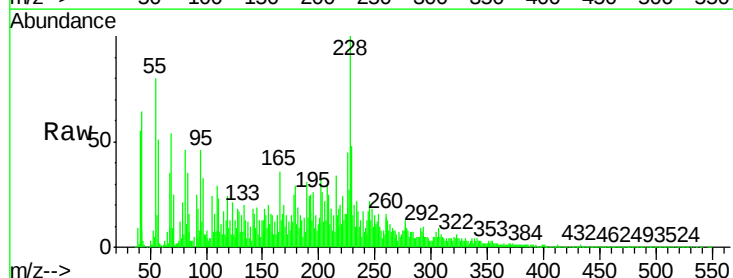
Tgt Ion:228 Resp: 159683

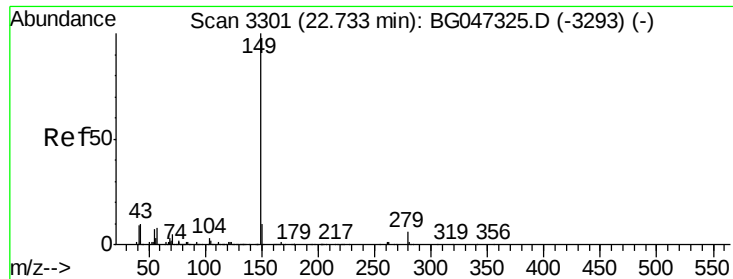
Ion Ratio Lower Upper

228 100

226 45.3 24.6 36.8#

229 47.7 15.8 23.8#





#87

Di-n-octyl phthalate

Concen: 8.974 ng/ul

RT: 22.77 min Scan# 3308

Delta R.T. 0.04 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

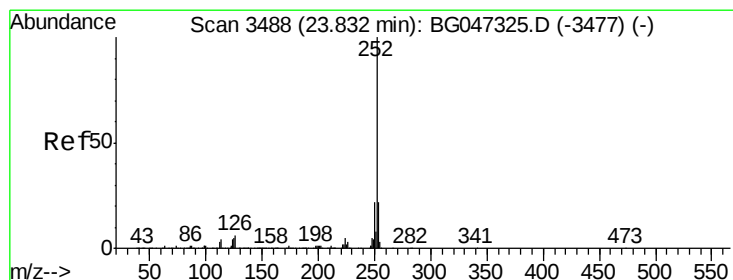
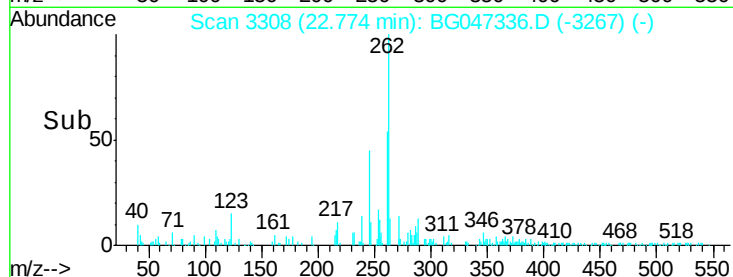
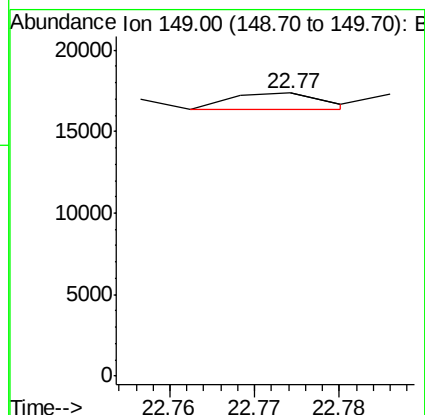
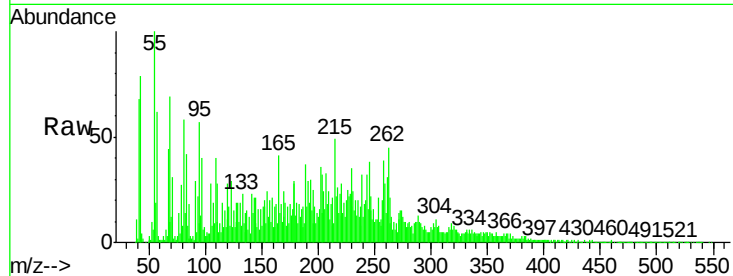
Instrument :

BNA_G

ClientSampleId :

C0AC8

Tgt Ion:149 Resp: 751



#88

Benzo(b)fluoranthene

Concen: 26.594 ng/ul

RT: 23.88 min Scan# 3496

Delta R.T. 0.05 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

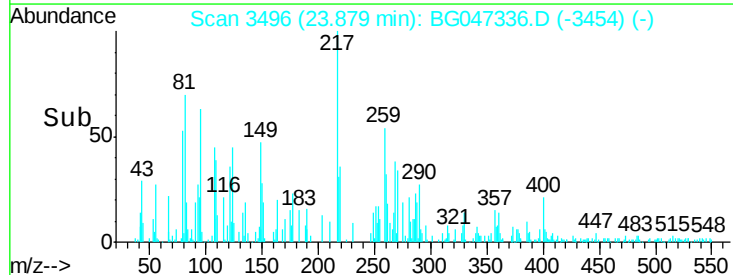
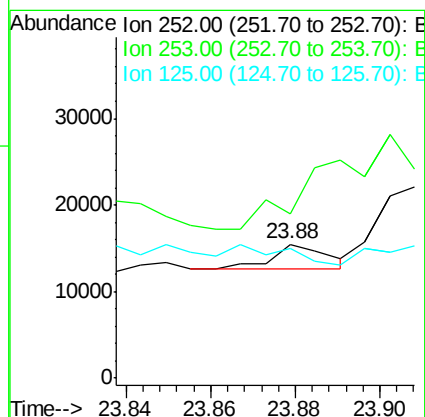
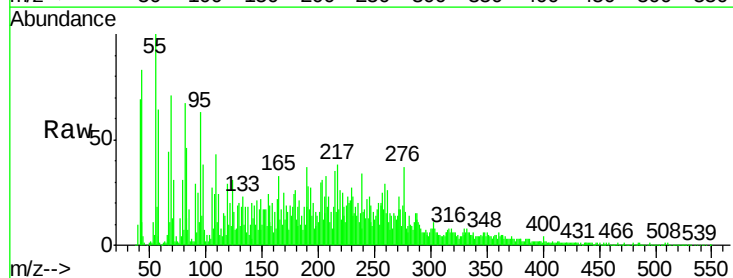
Tgt Ion:252 Resp: 2641

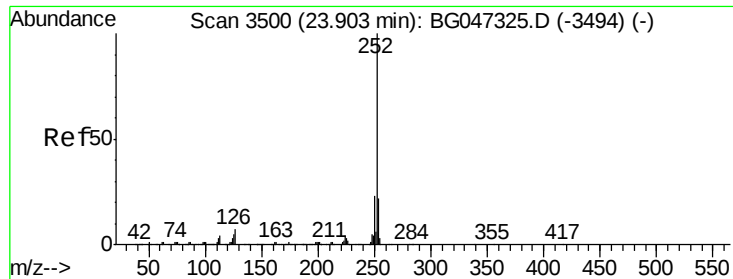
Ion Ratio Lower Upper

252 100

253 122.9 18.0 27.0#

125 97.2 3.7 5.5#





#89

Benzo(k)fluoranthene

Concen: 1270.016 ng/ul

RT: 23.94 min Scan# 3506

Delta R.T. 0.03 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

ClientSampleId :

C0AC8

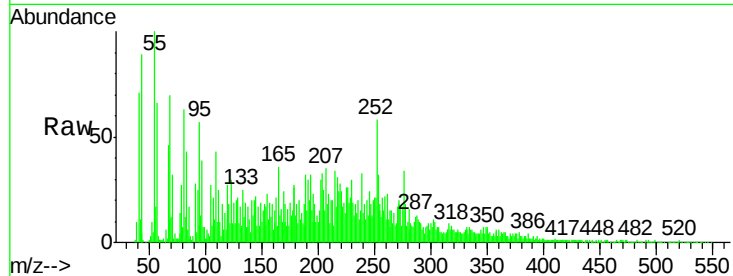
Tot Ion:252 Resp: 122214

Ion Ratio Lower Upper

252 100

253 54.6 18.2 27.4#

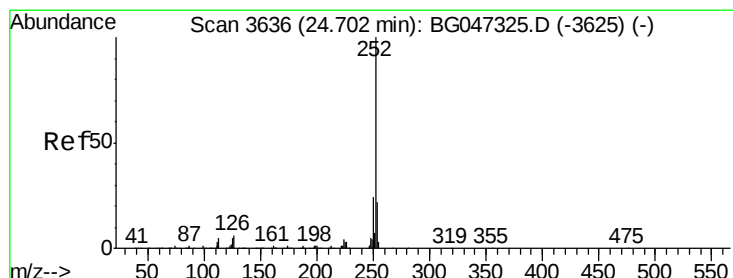
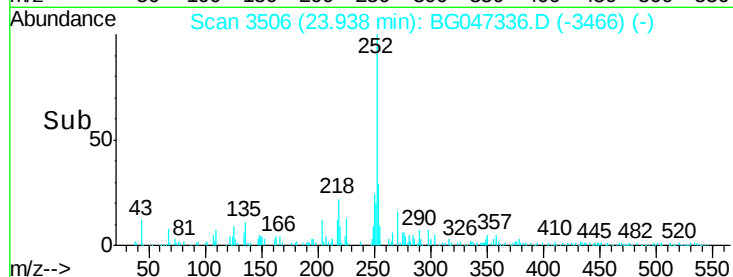
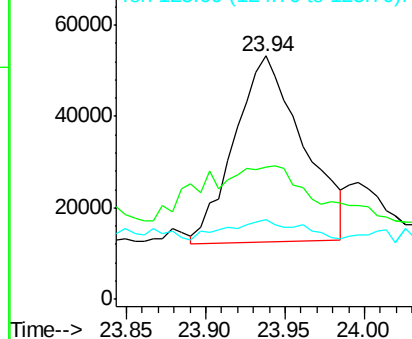
125 32.6 4.6 7.0#



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: 30.874 ng/ul

RT: 24.75 min Scan# 3644

Delta R.T. 0.05 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

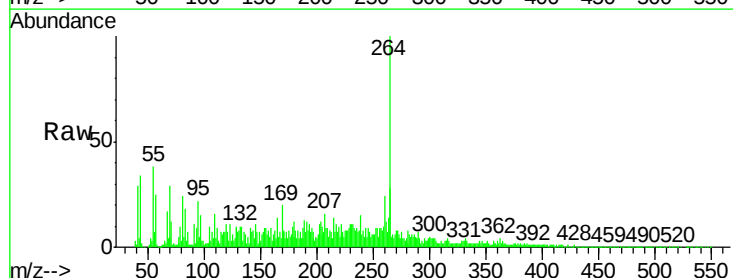
Tgt Ion:252 Resp: 2761

Ion Ratio Lower Upper

252 100

253 108.7 17.8 26.6#

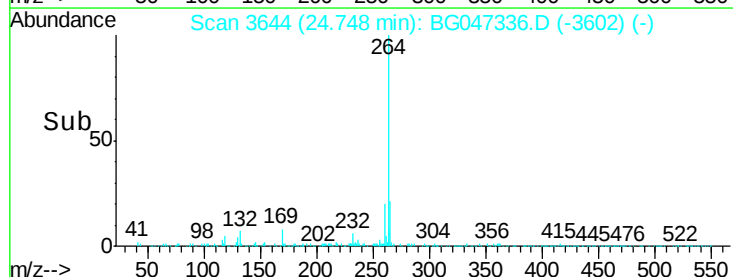
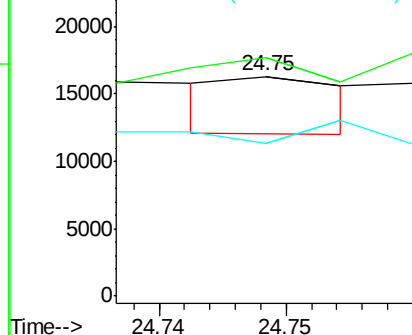
125 69.5 4.2 6.4#

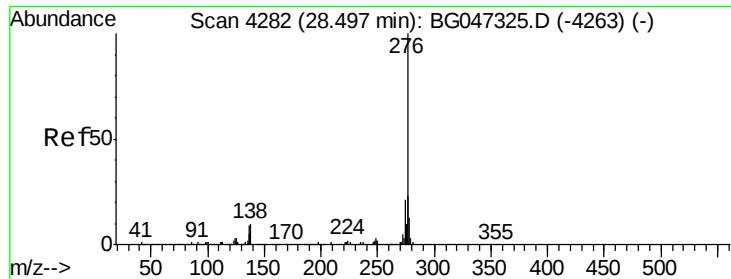


Abundance Ion 252.00 (251.70 to 252.70): E

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: 7.180 ng/ul

RT: 28.54 min Scan# 4290

Delta R.T. 0.05 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

ClientSampleId :

C0AC8

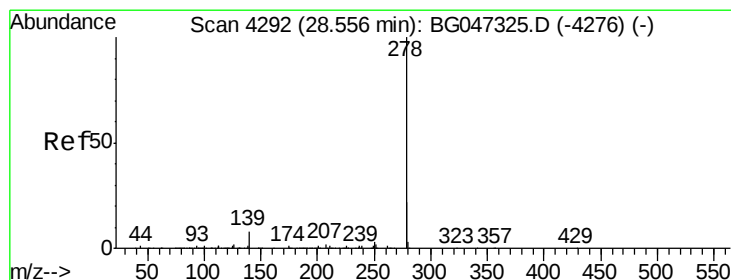
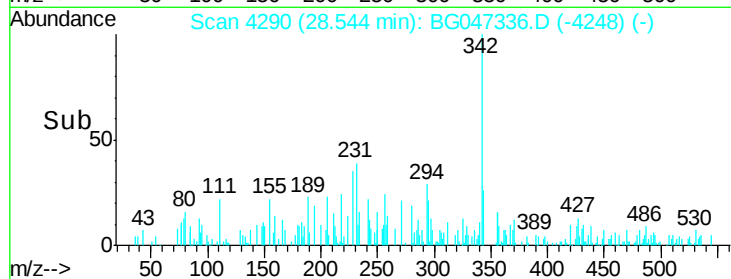
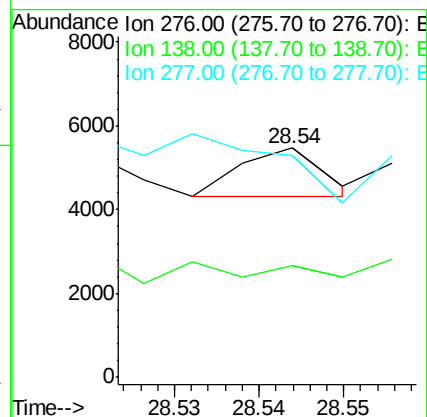
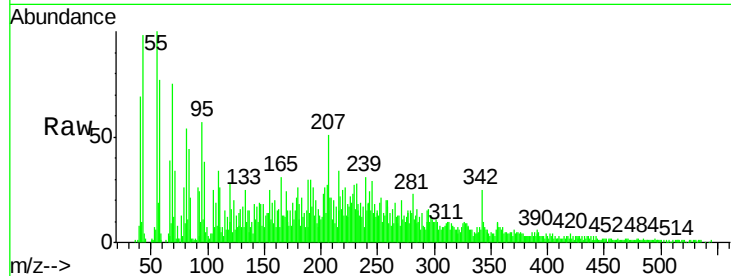
Tot Ion:276 Resp: 798

Ion Ratio Lower Upper

276 100

138 48.8 8.1 12.1#

277 96.6 20.2 30.4#



#93

Dibenzo(a,h)anthracene

Concen: 8.841 ng/ul

RT: 28.61 min Scan# 4302

Delta R.T. 0.06 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

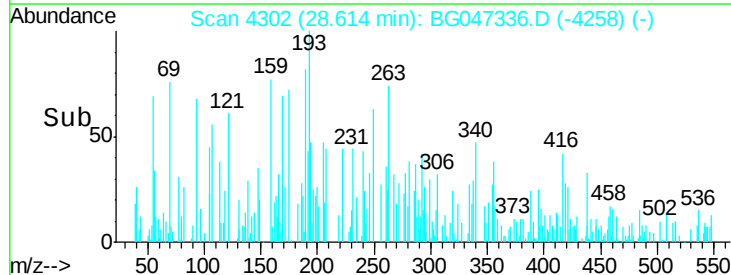
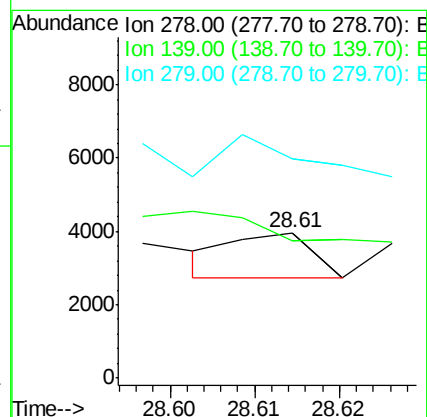
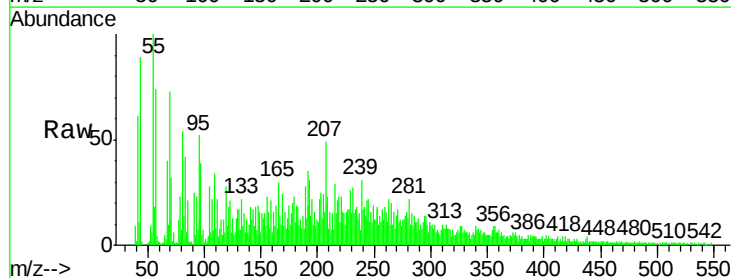
Tgt Ion:278 Resp: 797

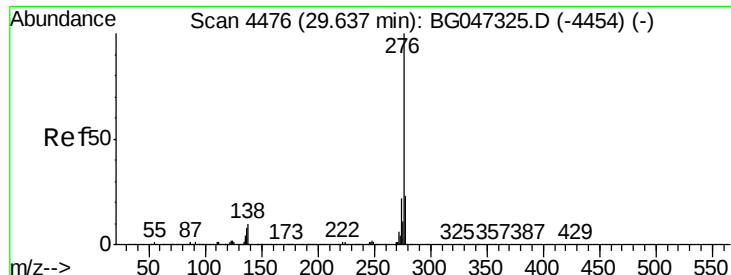
Ion Ratio Lower Upper

278 100

139 94.5 7.1 10.7#

279 150.9 19.9 29.9#





#94

Benzo(a,h,i)perylene

Concen: 5.028 ng/ul

RT: 29.68 min Scan# 4483

Delta R.T. 0.04 min

Lab File: BG047336.D

Acq: 16 Nov 2020 18:58

Instrument :

BNA_G

ClientSampleId :

C0AC8

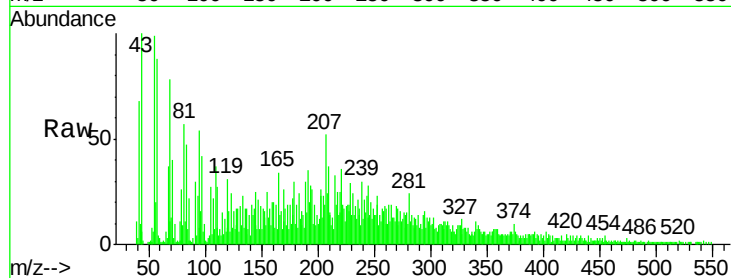
Tot Ion:276 Resp: 467

Ion Ratio Lower Upper

276 100

138 48.9 9.0 13.6#

277 95.7 19.2 28.8#



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

