

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111620\
 Data File : BG047334.D
 Acq On : 16 Nov 2020 17:37
 Operator : CG/JU
 Sample : L4762-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC6

Quant Time: Nov 17 01:26:52 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

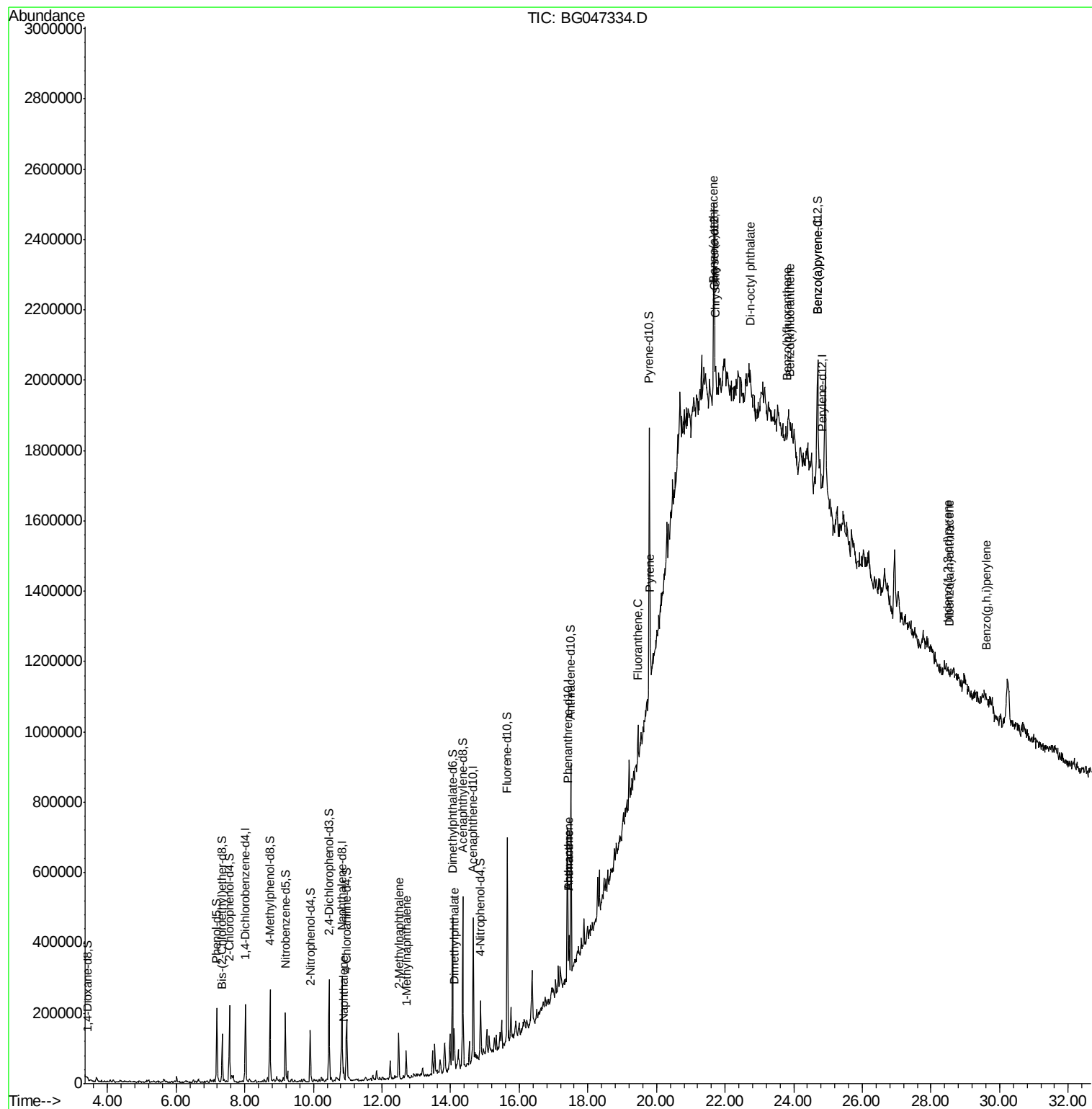
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	60856	20.00	ng/ul	0.02
18) Naphthalene-d8	10.83	136	236555	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.66	164	144725	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.41	188	272014	20.00	ng/ul	0.01
78) Chrysene-d12	21.68	240	300004	20.00	ng/ul	0.02
86) Perylene-d12	24.84	264	565	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.40	96	3644	2.42	ng/uL	0.01
5) Phenol-d5	7.19	99	112804	21.36	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.34	67	59964	19.74	ng/ul	0.02
9) 2-Chlorophenol-d4	7.55	132	90793	22.11	ng/ul	0.02
13) 4-Methylphenol-d8	8.73	113	92044	21.84	ng/ul	0.02
19) Nitrobenzene-d5	9.18	128	44158	22.27	ng/ul	0.01
22) 2-Nitrophenol-d4	9.91	143	40905	17.66	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.45	165	104865	23.20	ng/ul	0.02
29) 4-Chloroaniline-d4	10.96	131	84011	21.80	ng/ul	0.01
44) Dimethylphthalate-d6	14.06	166	275430	23.15	ng/ul	0.01
47) Acenaphthylene-d8	14.35	160	349441	24.82	ng/ul	0.01
52) 4-Nitrophenol-d4	14.87	143	30787	16.44	ng/ul	0.03
58) Fluorene-d10	15.65	176	237094	21.46	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.77	200	157	0.08	ng/ul	0.01
71) Anthracene-d10	17.51	188	336642	25.53	ng/ul	0.02
79) Pyrene-d10	19.79	212	397680	23.24	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.70	264	405140	13043.28	ng/ul	0.07
Target Compounds				Ovalue		
28) Naphthalene	10.88	128	26431	1.989	ng/ul#	87
34) 2-Methylnaphthalene	12.49	142	59449	6.270	ng/ul	100
35) 1-Methylnaphthalene	12.71	142	34703	3.124	ng/uL#	95
45) Dimethylphthalate	14.10	163	68781	5.760	ng/ul	96
70) Phenanthrene	17.45	178	76810	5.035	ng/ul	97
72) Anthracene	17.45	178	76687	5.002	ng/ul	98
77) Fluoranthene	19.46	202	39862	2.171	ng/ul#	92
80) Pyrene	19.82	202	58945	2.871	ng/ul#	96
83) Benzo(a)anthracene	21.65	228	32561	1.602	ng/ul#	30
85) Chrysene	21.72	228	30797	1.575	ng/ul#	42
87) Di-n-octyl phthalate	22.73	149	1275	40.312	ng/ul	100
88) Benzo(b)fluoranthene	23.82	252	734	19.557	ng/ul#	1
89) Benzo(k)fluoranthene	23.89	252	41987	1154.505	ng/ul#	17
91) Benzo(a)pyrene	24.70	252	2372	70.184	ng/ul#	1
92) Indeno(1,2,3-cd)pyrene	28.49	276	1204	28.666	ng/ul#	1
93) Dibenzo(a,h)anthracene	28.55	278	497	14.588	ng/ul#	1
94) Benzo(g,h,i)perylene	29.61	276	1182	33.672	ng/ul#	1

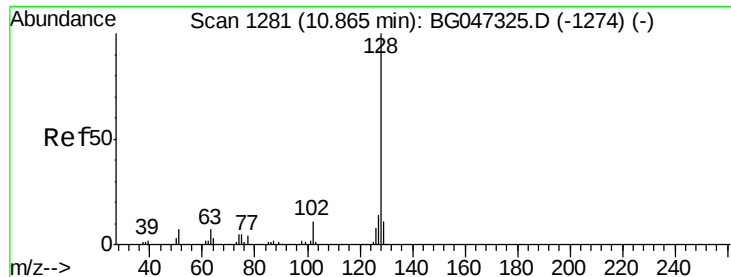
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.989 ng/ul

RT: 10.88 min Scan# 1283

Delta R.T. 0.01 min

Lab File: BG047334.D

Acq: 16 Nov 2020 17:37

Instrument :

BNA_G

ClientSampleId :

C0AC6

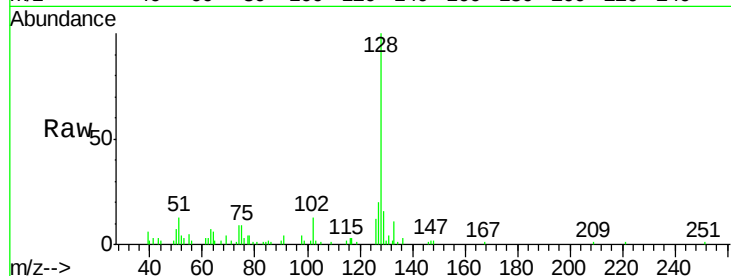
Tot Ion:128 Resp: 26431

Ion Ratio Lower Upper

128 100

129 16.3 9.4 14.2#

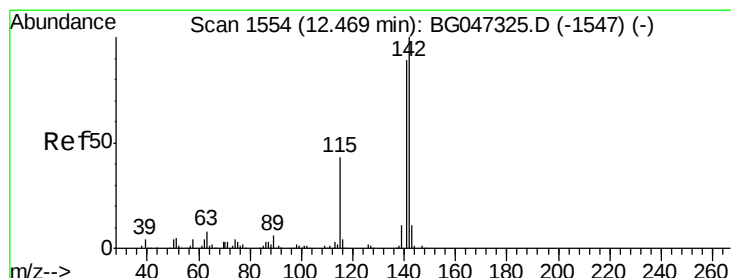
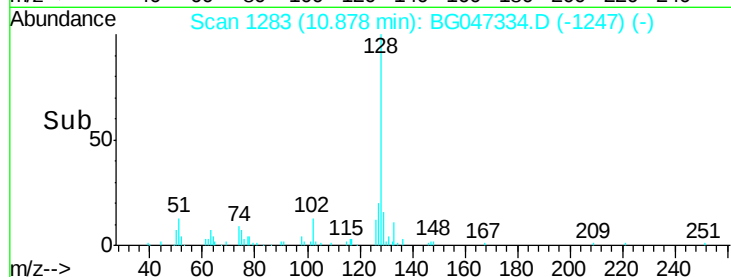
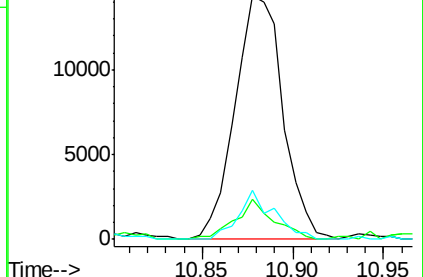
127 20.4 11.5 17.3#



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: 6.270 ng/ul

RT: 12.49 min Scan# 1557

Delta R.T. 0.02 min

Lab File: BG047334.D

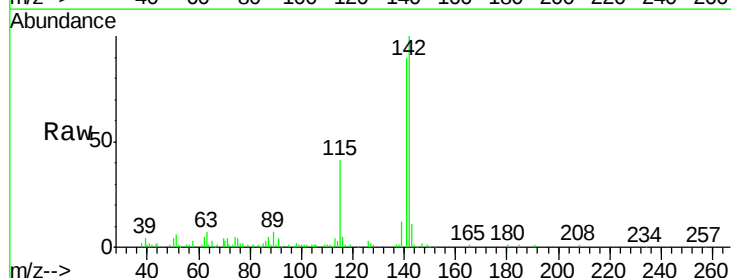
Acq: 16 Nov 2020 17:37

Tgt Ion:142 Resp: 59449

Ion Ratio Lower Upper

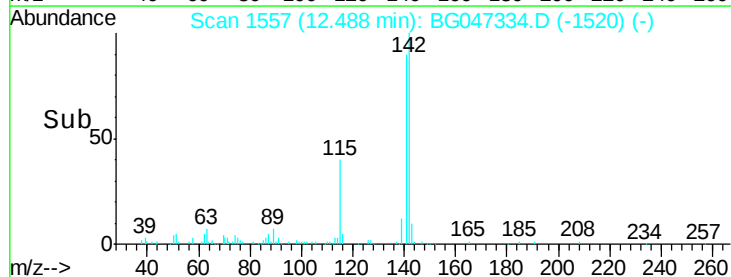
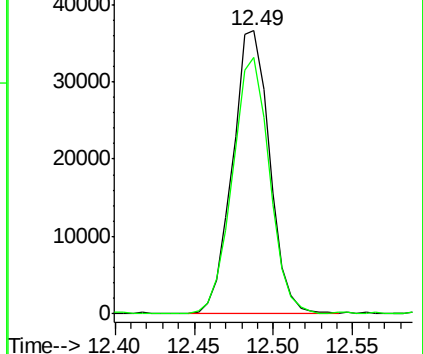
142 100

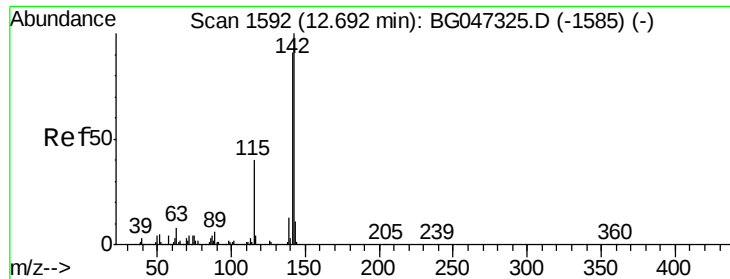
141 90.4 72.4 108.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

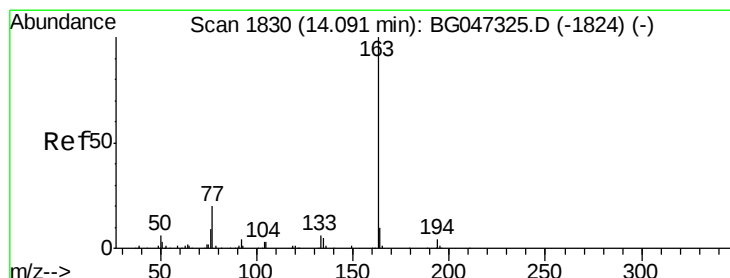
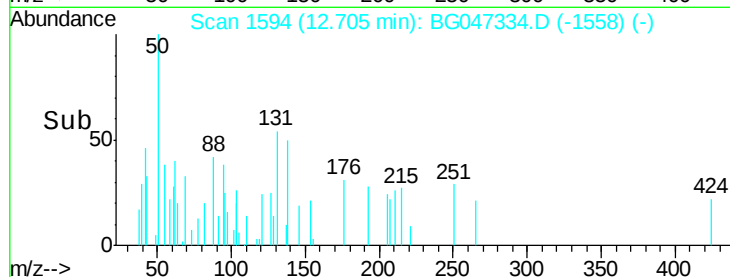
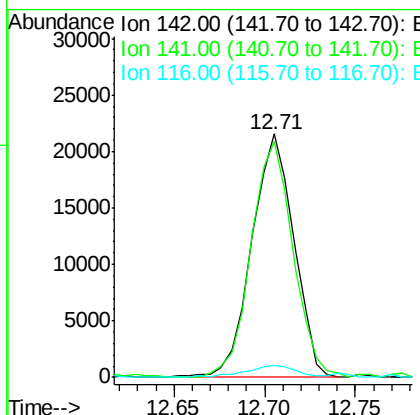
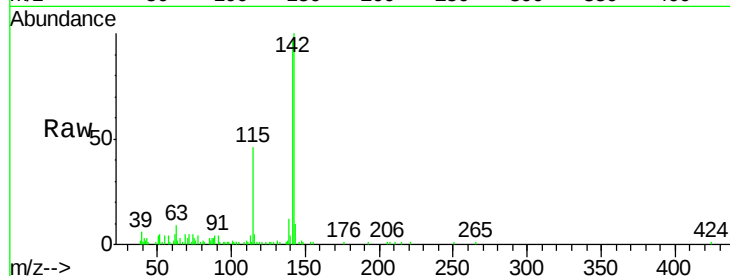




#35
 1-Methylnaphthalene
 Concen: 3.124 ng/uL
 RT: 12.71 min Scan# 1594
 Delta R.T. 0.01 min
 Lab File: BG047334.D
 Acq: 16 Nov 2020 17:37

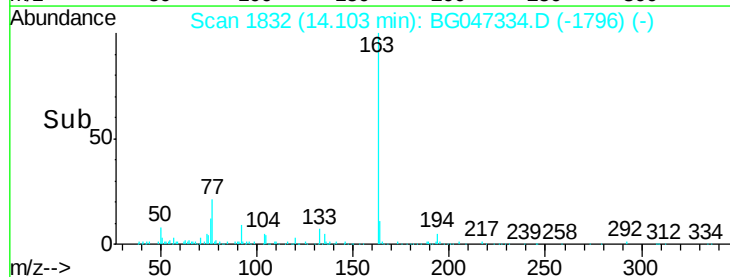
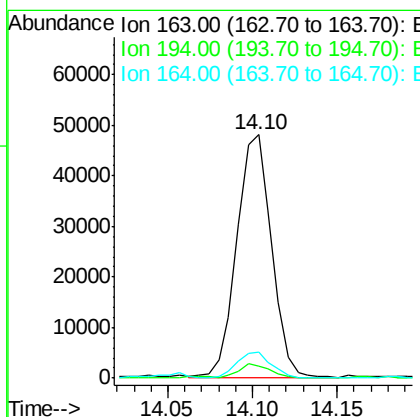
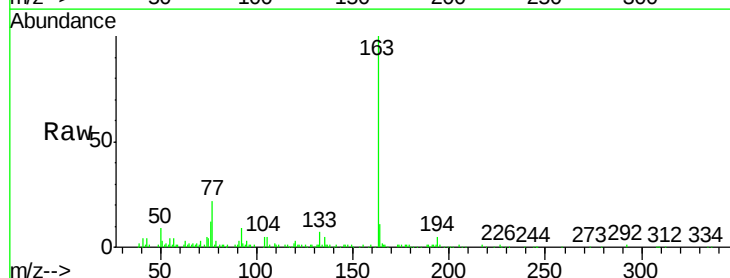
Instrument :
 BNA_G
 ClientSampleId :
 C0AC6

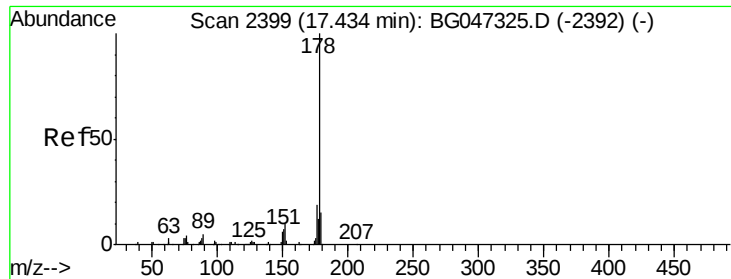
Tot Ion:142 Resp: 34703
 Ion Ratio Lower Upper
 142 100
 141 96.9 73.9 110.9
 116 5.7 3.6 5.4#



#45
 Dimethylphthalate
 Concen: 5.760 ng/uL
 RT: 14.10 min Scan# 1832
 Delta R.T. 0.01 min
 Lab File: BG047334.D
 Acq: 16 Nov 2020 17:37

Tgt Ion:163 Resp: 68781
 Ion Ratio Lower Upper
 163 100
 194 5.0 3.4 5.0
 164 10.5 7.2 10.8





#70

Phenanthrene

Concen: 5.035 ng/ul

RT: 17.45 min Scan# 2401

Delta R.T. 0.01 min

Lab File: BG047334.D

Acq: 16 Nov 2020 17:37

Instrument :

BNA_G

ClientSampleId :

C0AC6

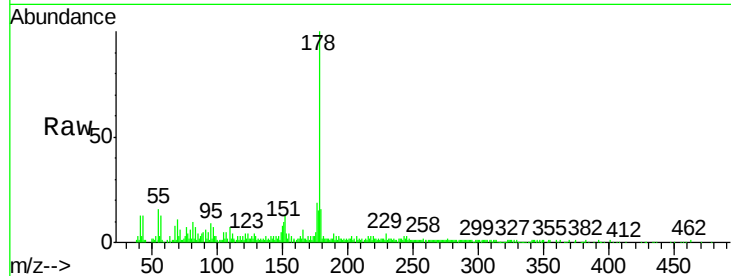
Tot Ion:178 Resp: 76810

Ion Ratio Lower Upper

178 100

179 16.4 12.2 18.4

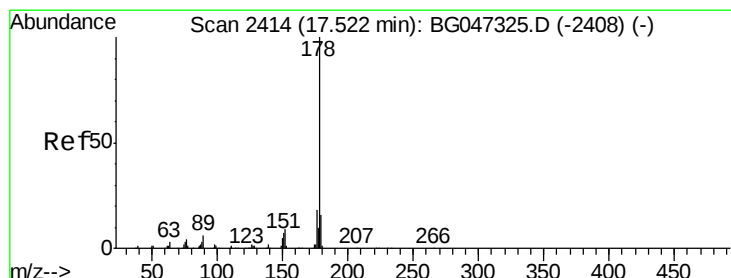
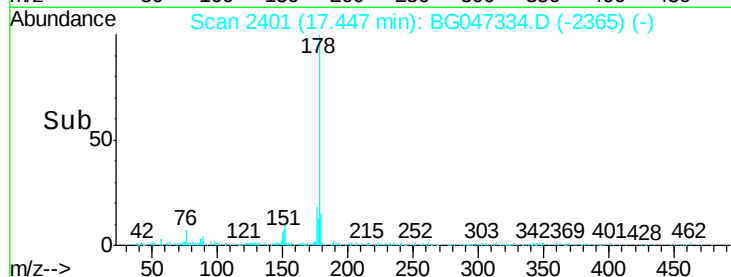
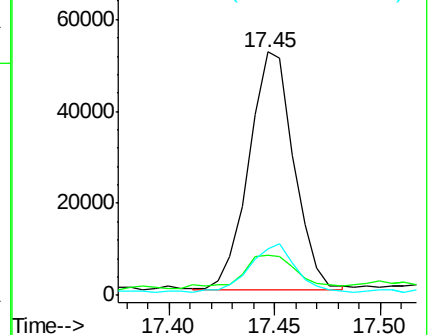
176 19.2 16.5 24.7



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: 5.002 ng/ul

RT: 17.45 min Scan# 2401

Delta R.T. -0.08 min

Lab File: BG047334.D

Acq: 16 Nov 2020 17:37

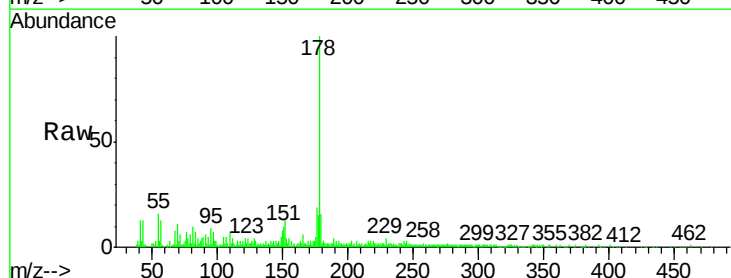
Tgt Ion:178 Resp: 76687

Ion Ratio Lower Upper

178 100

179 16.4 12.4 18.6

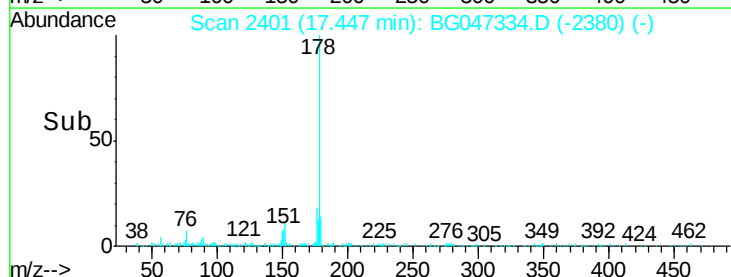
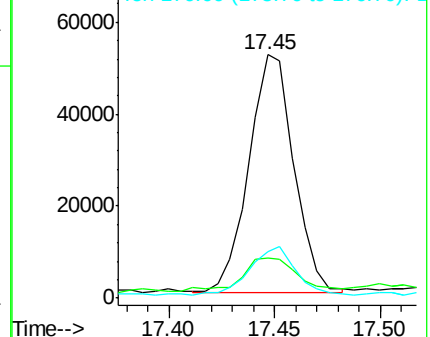
176 19.2 14.4 21.6

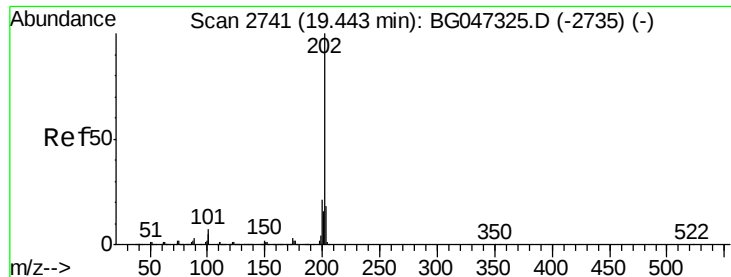


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 2.171 ng/ul

RT: 19.46 min Scan# 2743

Delta R.T. 0.01 min

Lab File: BG047334.D

Acq: 16 Nov 2020 17:37

Instrument :

BNA_G

ClientSampleId :

C0AC6

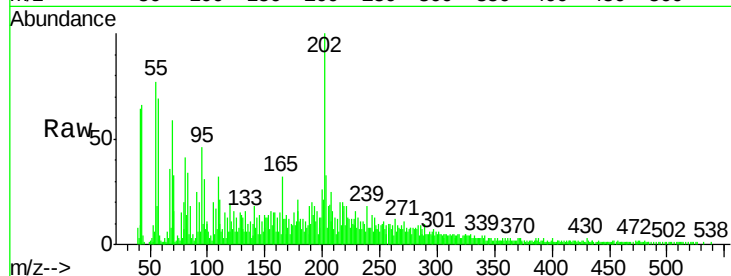
Tot Ion:202 Resp: 39862

Ion Ratio Lower Upper

202 100

101 5.8 5.0 7.6

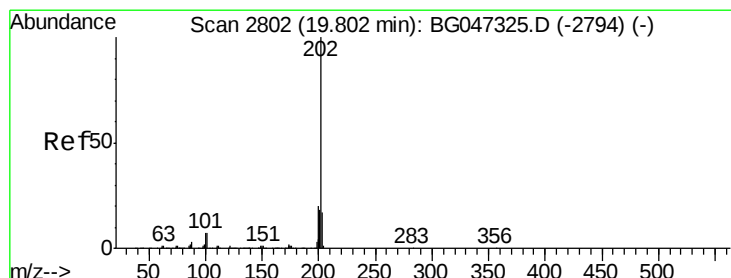
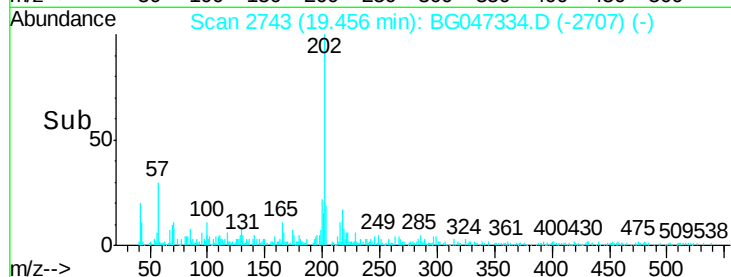
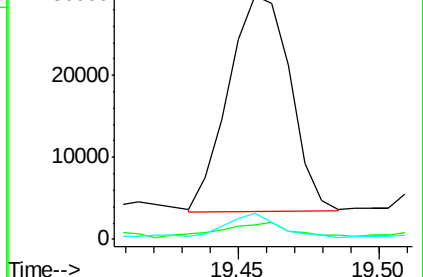
100 10.6 4.2 6.2#



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): B



#80

Pyrene

Concen: 2.871 ng/ul

RT: 19.82 min Scan# 2805

Delta R.T. 0.02 min

Lab File: BG047334.D

Acq: 16 Nov 2020 17:37

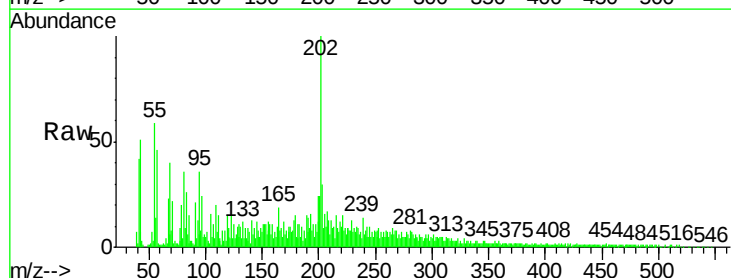
Tgt Ion:202 Resp: 58945

Ion Ratio Lower Upper

202 100

101 7.4 6.5 9.7

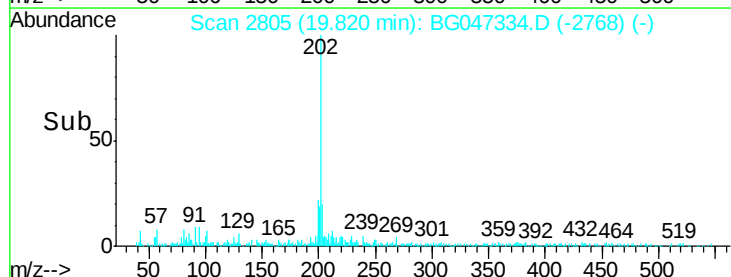
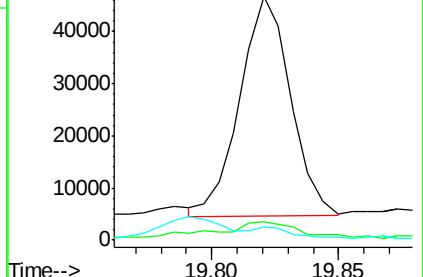
100 5.2 5.7 8.5#

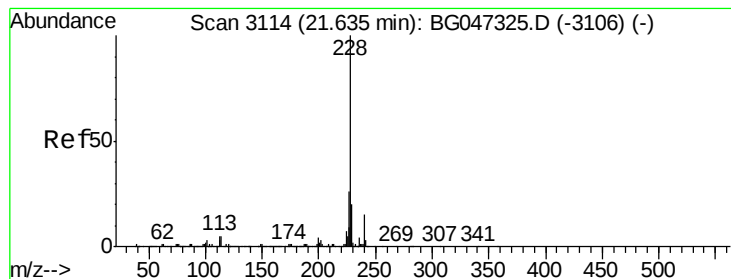


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 1.602 ng/ul

RT: 21.65 min Scan# 3117

Delta R.T. 0.02 min

Lab File: BG047334.D

Acq: 16 Nov 2020 17:37

Instrument :

BNA_G

ClientSampleId :

C0AC6

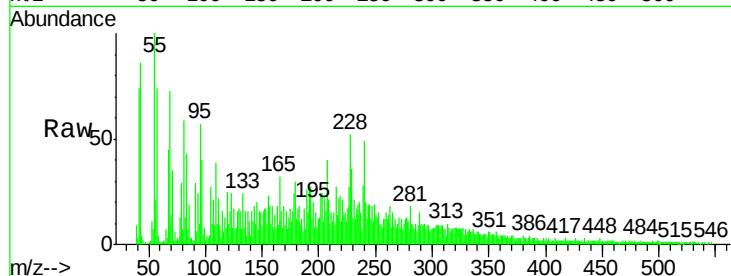
Tot Ion:228 Resp: 32561

Ion Ratio Lower Upper

228 100

229 68.7 15.1 22.7#

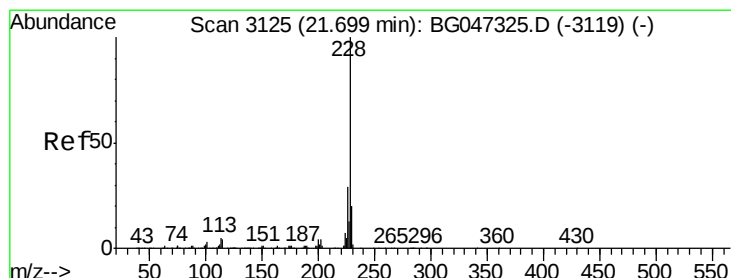
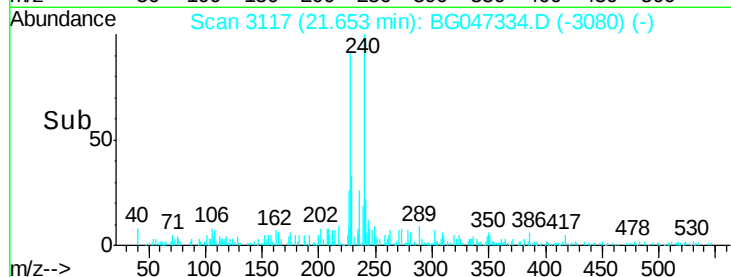
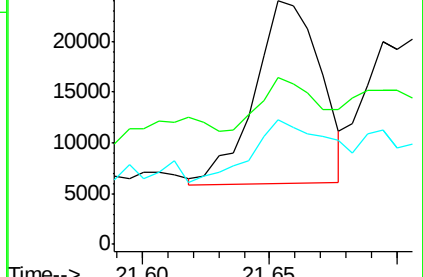
226 51.2 22.7 34.1#



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



#85

Chrysene

Concen: 1.575 ng/ul

RT: 21.72 min Scan# 3129

Delta R.T. 0.02 min

Lab File: BG047334.D

Acq: 16 Nov 2020 17:37

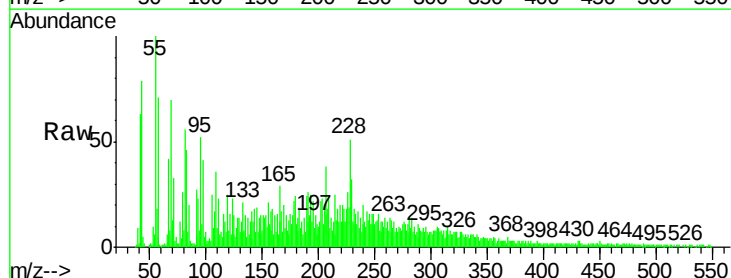
Tgt Ion:228 Resp: 30797

Ion Ratio Lower Upper

228 100

226 50.1 24.6 36.8#

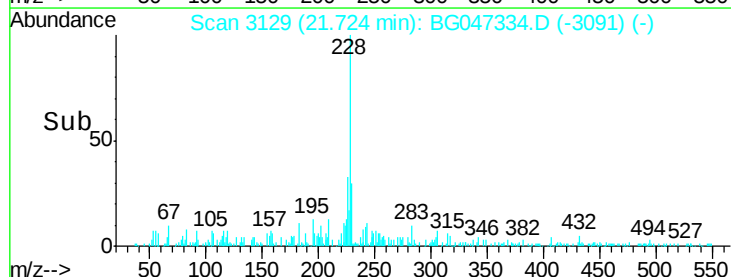
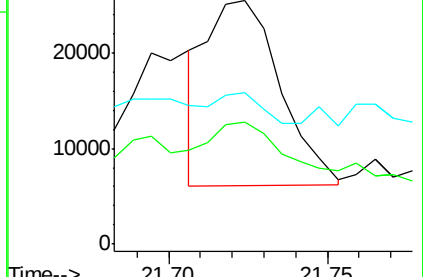
229 62.2 15.8 23.8#

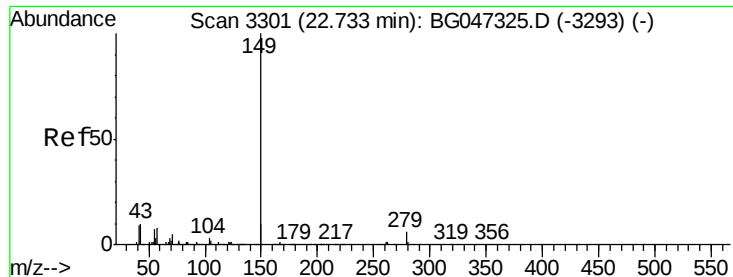


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Di-n-octyl phthalate

Concen: 40.312 ng/ul

RT: 22.73 min Scan# 3300

Delta R.T. -0.00 min

Lab File: BG047334.D

Acq: 16 Nov 2020 17:37

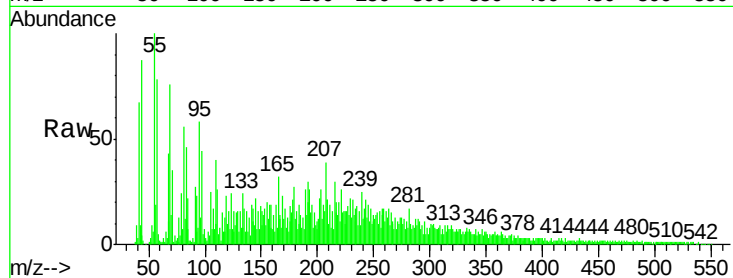
Instrument :

BNA_G

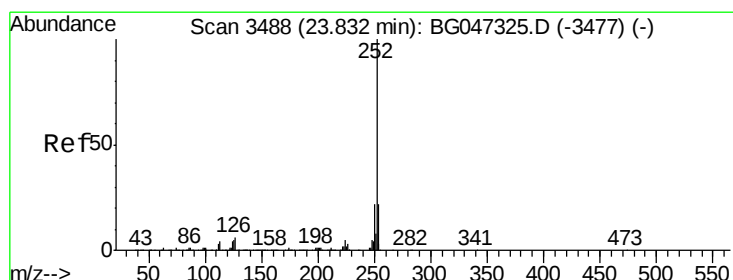
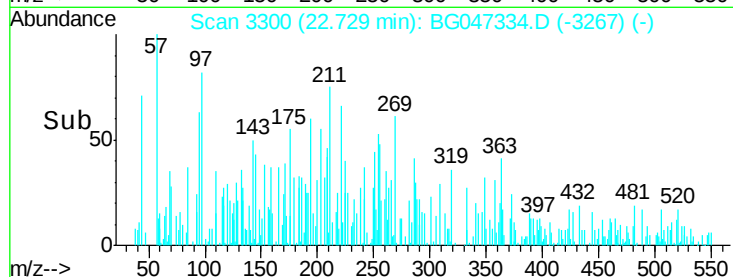
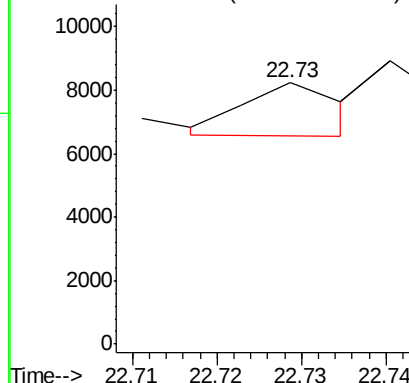
ClientSampleId :

C0AC6

Tgt Ion:149 Resp: 1275



Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 19.557 ng/ul

RT: 23.82 min Scan# 3485

Delta R.T. -0.02 min

Lab File: BG047334.D

Acq: 16 Nov 2020 17:37

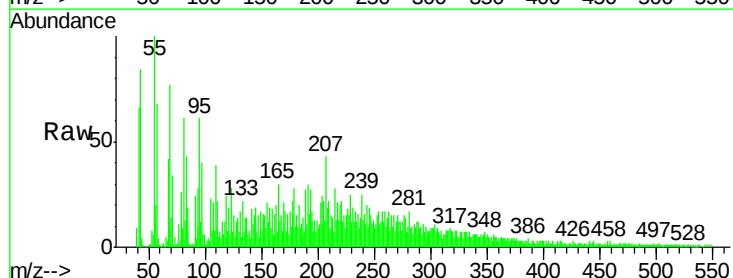
Tgt Ion:252 Resp: 734

Ion Ratio Lower Upper

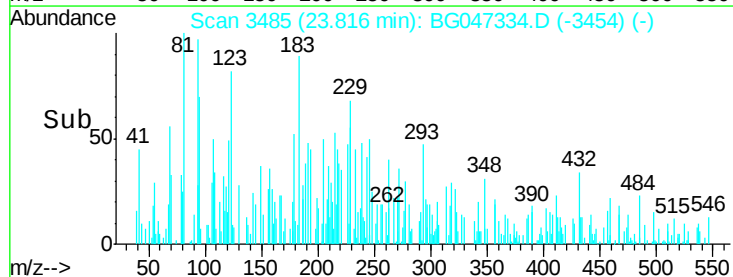
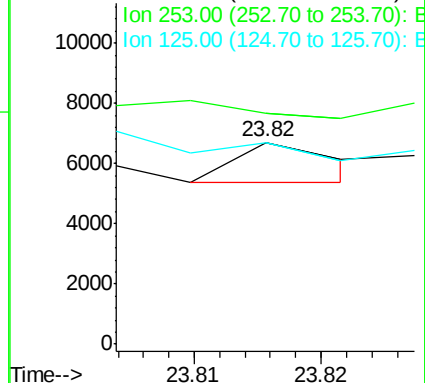
252 100

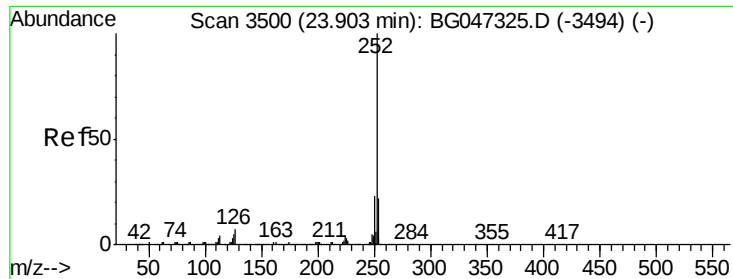
253 114.1 18.0 27.0#

125 99.7 3.7 5.5#



Abundance Ion 252.00 (251.70 to 252.70): E





#89

Benzo(k)fluoranthene

Concen: 1154.505 ng/ul

RT: 23.89 min Scan# 3498

Delta R.T. -0.01 min

Lab File: BG047334.D

Acq: 16 Nov 2020 17:37

Instrument :

BNA_G

ClientSampleId :

C0AC6

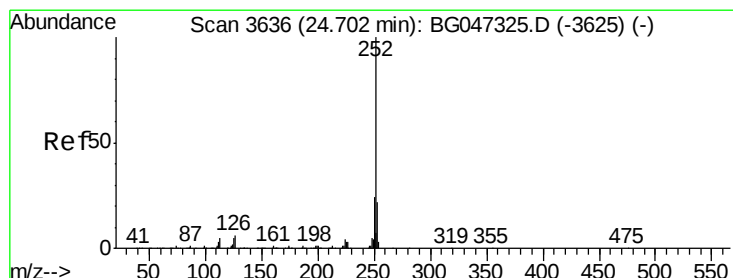
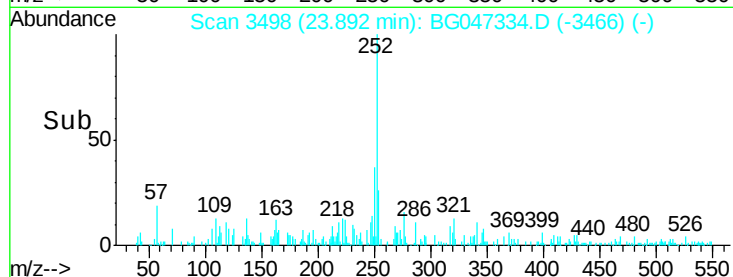
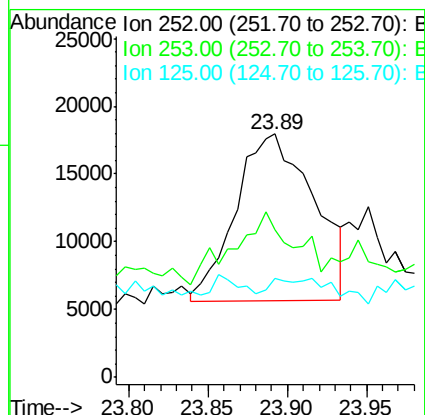
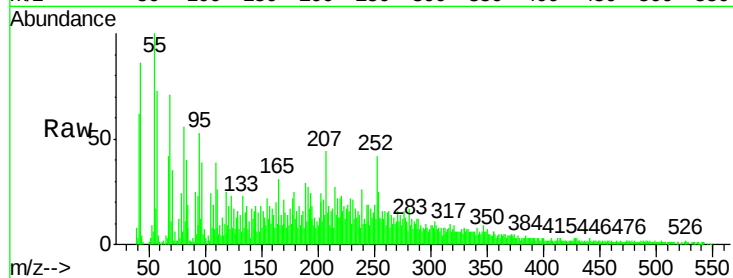
Tot Ion:252 Resp: 41987

Ion Ratio Lower Upper

252 100

253 60.5 18.2 27.4#

125 40.9 4.6 7.0#



#91

Benzo(a)pyrene

Concen: 70.184 ng/ul

RT: 24.70 min Scan# 3636

Delta R.T. 0.00 min

Lab File: BG047334.D

Acq: 16 Nov 2020 17:37

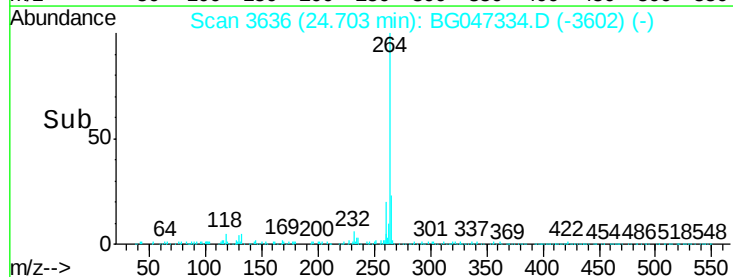
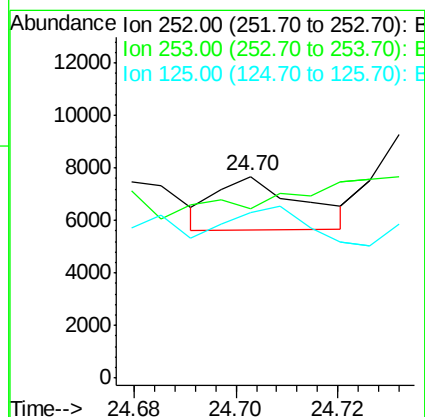
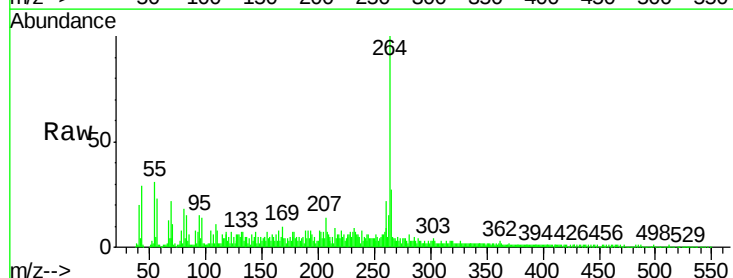
Tgt Ion:252 Resp: 2372

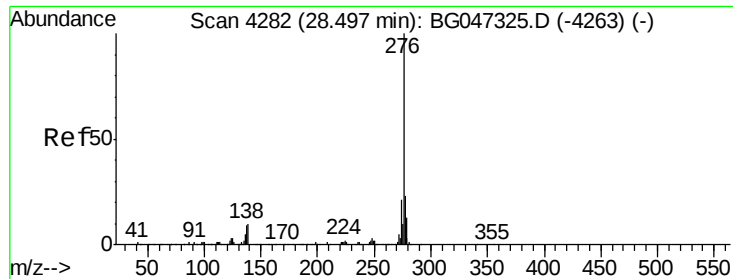
Ion Ratio Lower Upper

252 100

253 84.3 17.8 26.6#

125 82.0 4.2 6.4#



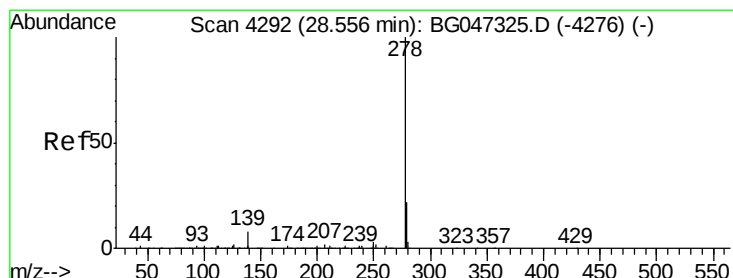
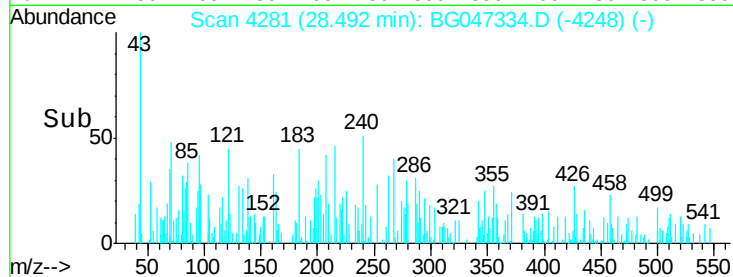
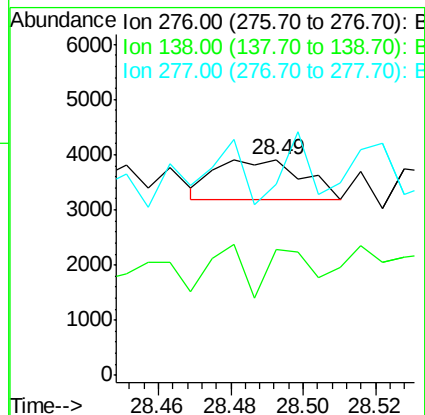
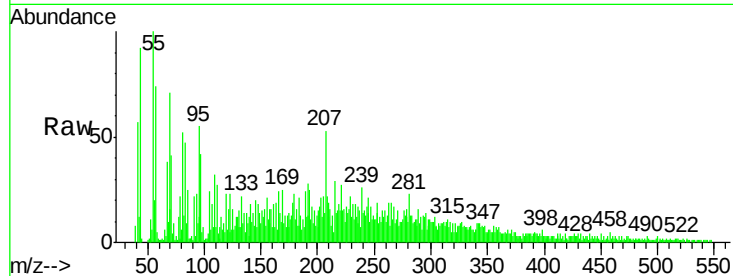


#92

Indeno(1,2,3-cd)pyrene
Concen: 28.666 ng/ul
RT: 28.49 min Scan# 4281
Delta R.T. -0.00 min
Lab File: BG047334.D
Acq: 16 Nov 2020 17:37

Instrument :
BNA_G
ClientSampled :
C0AC6

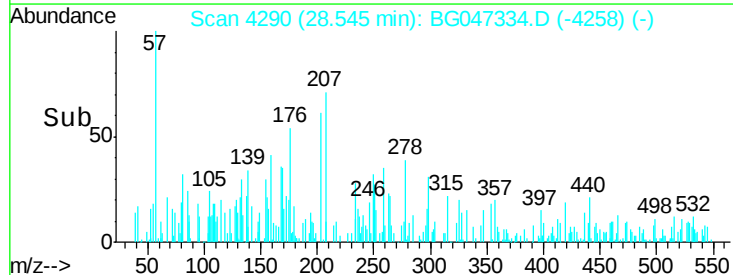
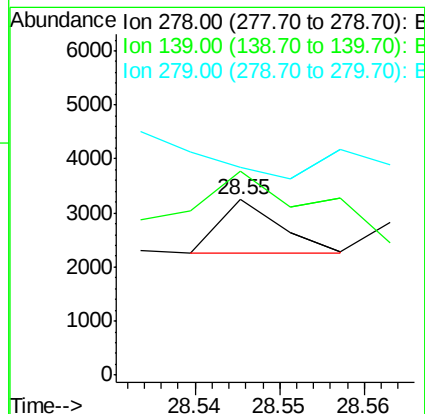
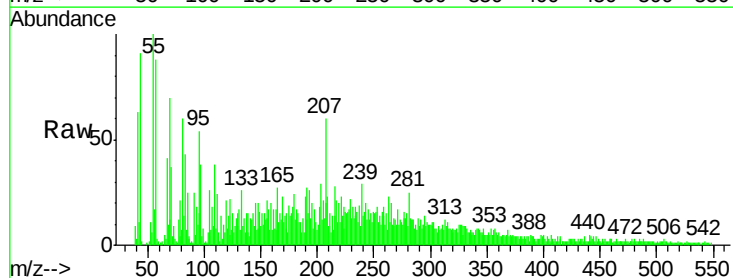
Tot Ion:276 Resp: 1204
Ion Ratio Lower Upper
276 100
138 58.6 8.1 12.1#
277 88.4 20.2 30.4#

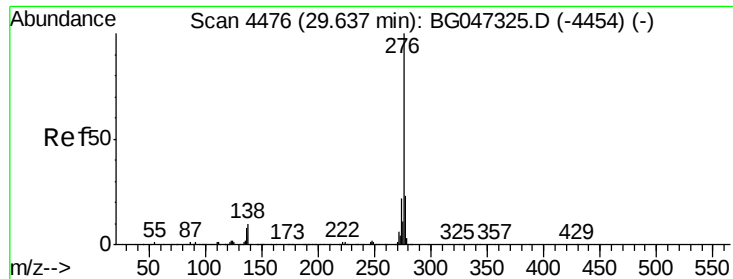


#93

Dibenzo(a,h)anthracene
Concen: 14.588 ng/ul
RT: 28.55 min Scan# 4290
Delta R.T. -0.01 min
Lab File: BG047334.D
Acq: 16 Nov 2020 17:37

Tgt Ion:278 Resp: 497
Ion Ratio Lower Upper
278 100
139 116.5 7.1 10.7#
279 118.9 19.9 29.9#





#94

Benzo(a,h,i)perylene

Concen: 33.672 ng/ul

RT: 29.61 min Scan# 4471

Delta R.T. -0.03 min

Lab File: BG047334.D

Acq: 16 Nov 2020 17:37

Instrument :

BNA_G

ClientSampleId :

C0AC6

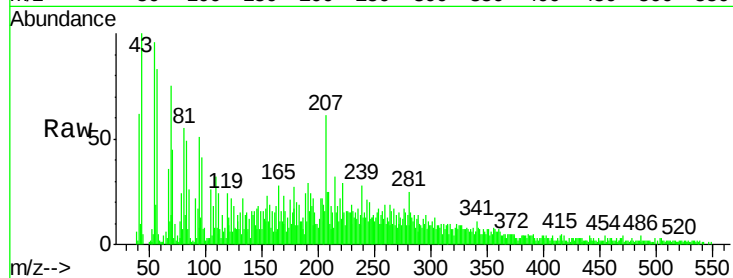
Tot Ion:276 Resp: 1182

Ion Ratio Lower Upper

276 100

138 40.2 9.0 13.6#

277 88.8 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

