

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042212.D
 Acq On : 14 Aug 2019 16:26
 Operator : HP/JU
 Sample : K4215-15DL 2X
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETOC8DL

Quant Time: Aug 15 10:19:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 10:42:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	81019	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	338764	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.68	164	229510	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	458939	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	444979	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	540471	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	3011	1.63	ng/uL	0.00
5) Phenol-d5	7.18	99	66251	10.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	35236	9.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	64913	11.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	57049	10.69	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	32414	12.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	39508	13.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	76321	12.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	71373	10.76	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	241611	13.57	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	288362	14.18	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	548	0.18	ng/ul	0.09
57) Fluorene-d10	15.68	176	217057	13.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	16083	5.46	ng/ul	0.00
70) Anthracene-d10	17.54	188	329932	14.98	ng/ul	0.00
78) Pyrene-d10	19.82	212	370255	14.91	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	425753	15.08	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.21	94	9312	1.419 ng/ul#	90
28) Naphthalene	10.90	128	76007	4.389 ng/ul	99
30) 4-Chloroaniline	10.90	127	10539	1.581 ng/ul#	14
34) 2-Methylnaphthalene	12.52	142	31444	2.284 ng/ul	97
44) Dimethylphthalate	14.13	163	78985	4.469 ng/ul	98
47) Acenaphthylene	14.41	152	105068	5.120 ng/ul	99
49) Acenaphthene	14.75	153	75444	5.257 ng/ul	98
53) Dibenzofuran	15.08	168	132152	6.171 ng/ul	100
58) Fluorene	15.74	166	168726	9.781 ng/ul	97
69) Phenanthrene	17.49	178	1746880	69.528 ng/ul	93
71) Anthracene	17.57	178	488542	19.172 ng/ul	99
74) Carbazole	17.84	167	288633	13.674 ng/ul	99
76) Fluoranthene	19.50	202	1989372	68.529 ng/ul	97
79) Pyrene	19.86	202	1683243	56.236 ng/ul	98
82) Benzo(a)anthracene	21.70	228	1000063	32.414 ng/ul	97
84) Chrysene	21.70	228	1000063	34.729 ng/ul	97
87) Benzo(b)fluoranthene	23.96	252	1314078	38.744 ng/ul	98
88) Benzo(k)fluoranthene	23.96	252	1314078	40.295 ng/ul	97
90) Benzo(a)pyrene	24.85	252	1046444	32.377 ng/ul	96
91) Indeno(1,2,3-cd)pyrene	28.74	276	704661	18.692 ng/ul	98
92) Dibenzo(a,h)anthracene	28.78	278	167191	5.437 ng/ul	93
93) Benzo(a,h,i)perylene	29.90	276	594313	18.883 ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 10:42:59 2019
Response via : Initial Calibration

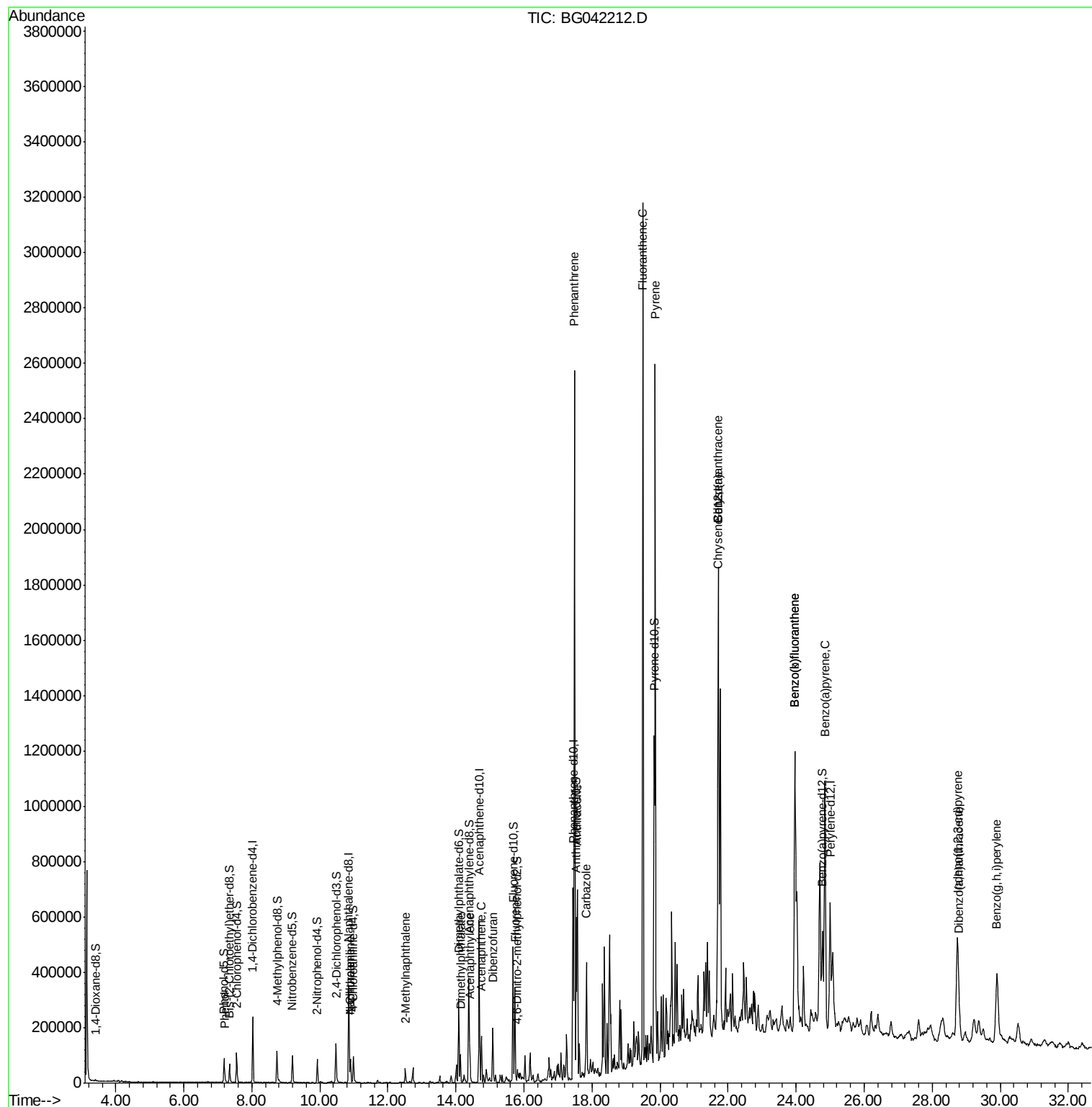
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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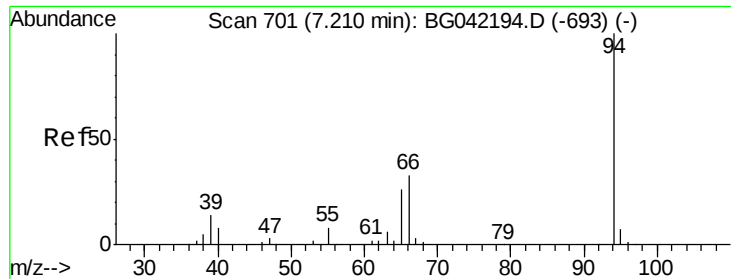
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 10:42:59 2019
Response via : Initial Calibration





#6

Phenol

Concen: 1.419 ng/ul

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Instrument :

BNA_G

ClientSampleId :

ETOC8DL

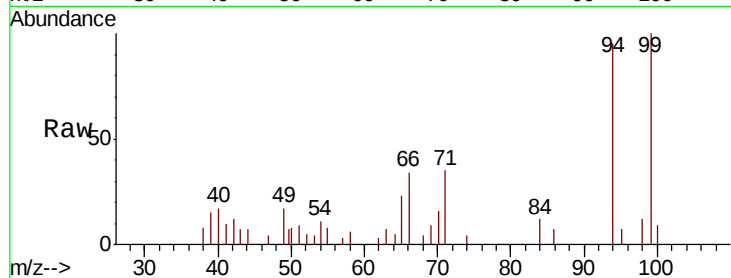
Tot Ion: 94 Resp: 9312

Ion Ratio Lower Upper

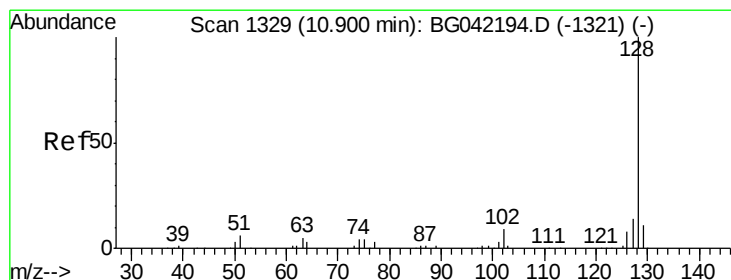
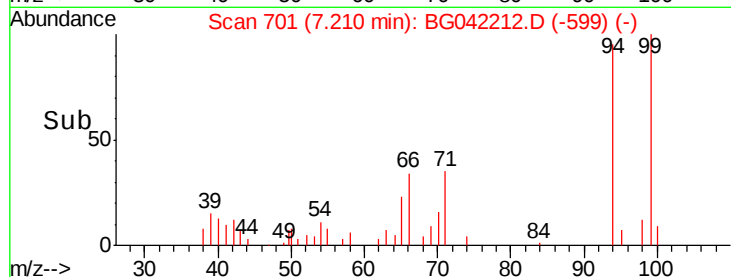
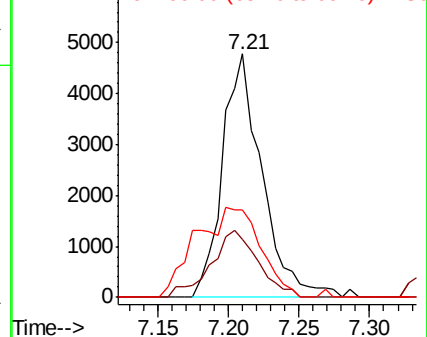
94 100

65 23.7 25.8 38.6#

66 36.0 31.8 47.8



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#28

Naphthalene

Concen: 4.389 ng/ul

RT: 10.90 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

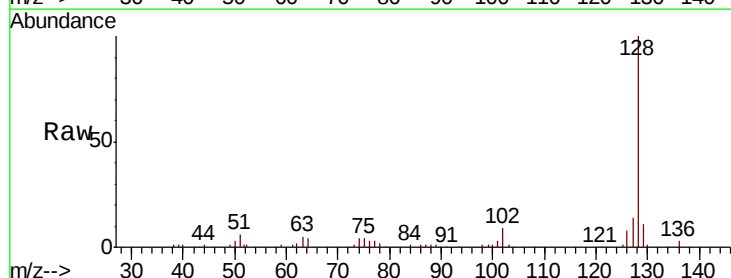
Tgt Ion:128 Resp: 76007

Ion Ratio Lower Upper

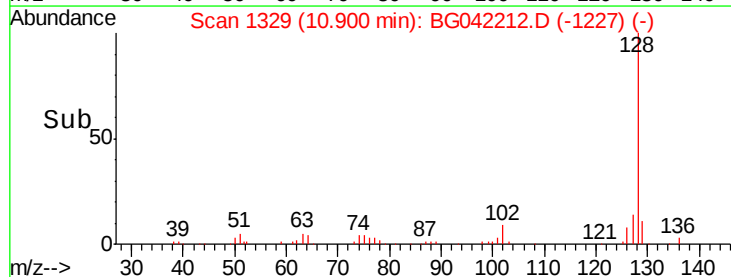
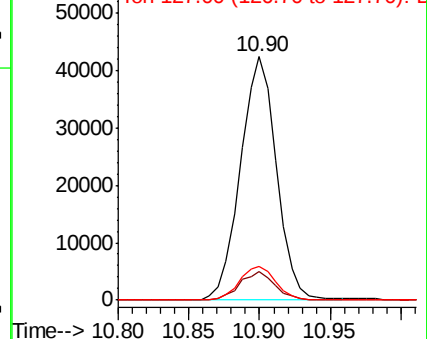
128 100

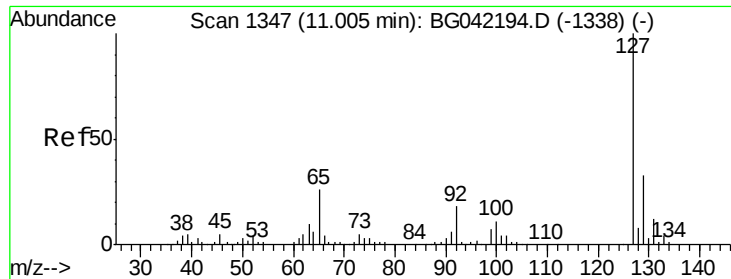
129 11.5 9.5 14.3

127 14.0 11.4 17.0



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

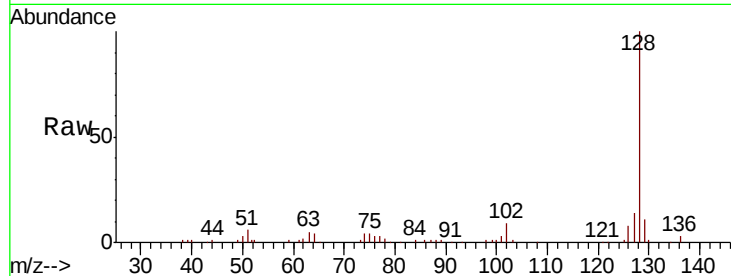




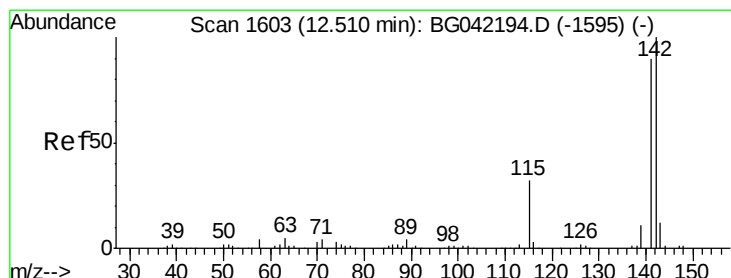
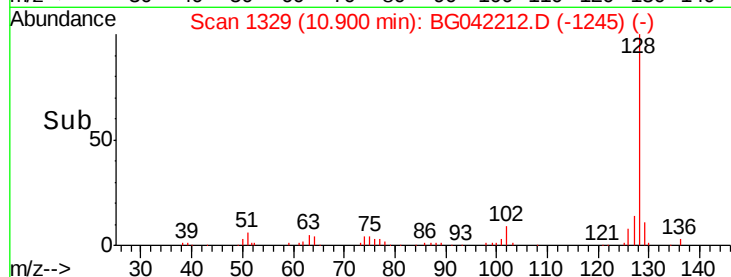
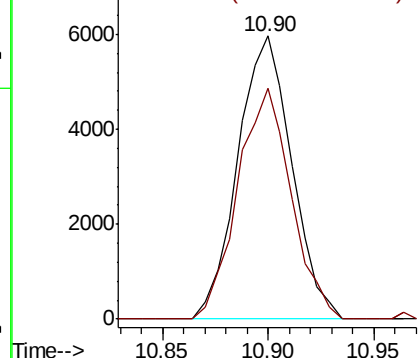
#30
 4-Chloroaniline
 Concen: 1.581 ng/ul
 RT: 10.90 min Scan# 1329
 Delta R.T. -0.11 min
 Lab File: BG042212.D
 Acq: 14 Aug 2019 16:26

Instrument :
 BNA_G
 ClientSampleID :
 ET0C8DL

Tot Ion:127 Resp: 10539
 Ion Ratio Lower Upper
 127 100
 129 81.8 26.5 39.7#

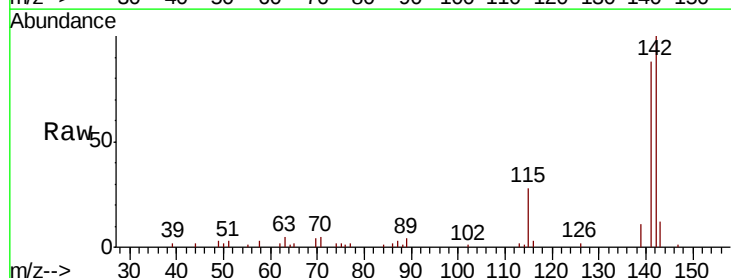


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E

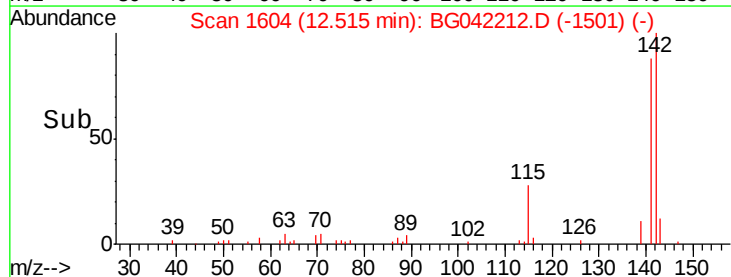
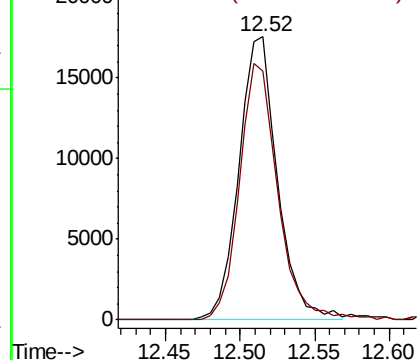


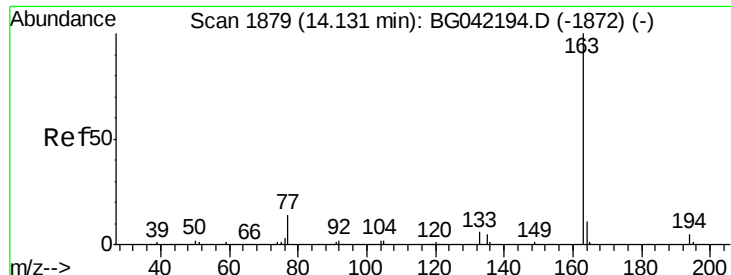
#34
 2-Methylnaphthalene
 Concen: 2.284 ng/ul
 RT: 12.52 min Scan# 1604
 Delta R.T. 0.01 min
 Lab File: BG042212.D
 Acq: 14 Aug 2019 16:26

Tgt Ion:142 Resp: 31444
 Ion Ratio Lower Upper
 142 100
 141 87.9 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

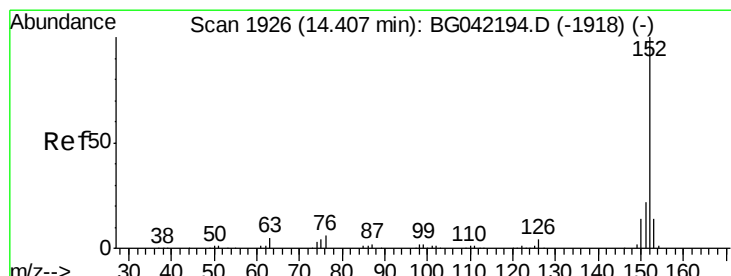
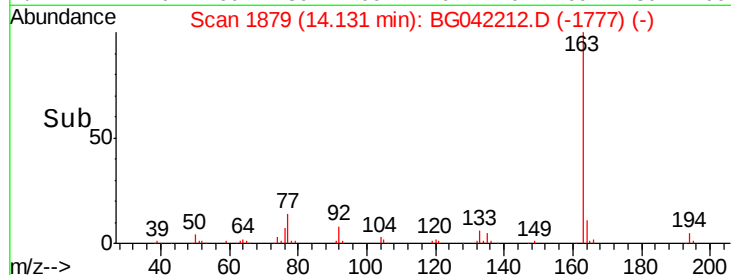
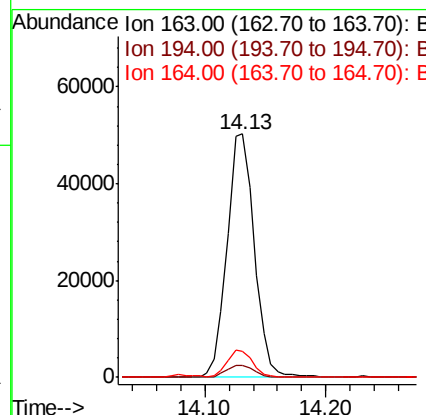
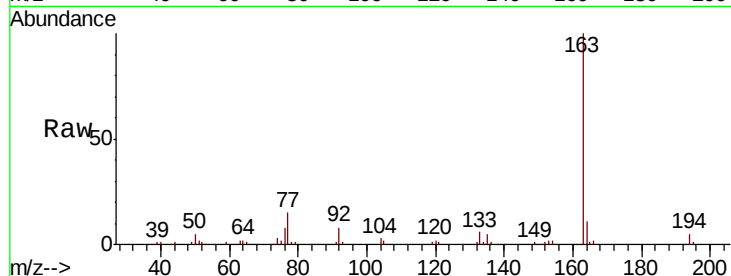




#44
Dimethylphthalate
Concen: 4.469 ng/ul
RT: 14.13 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BG042212.D
Acq: 14 Aug 2019 16:26

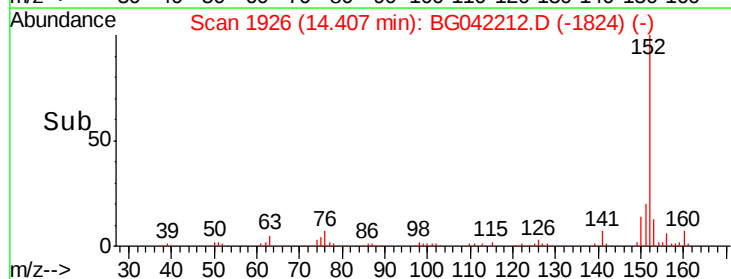
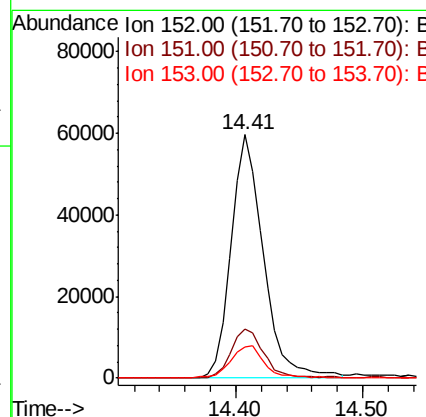
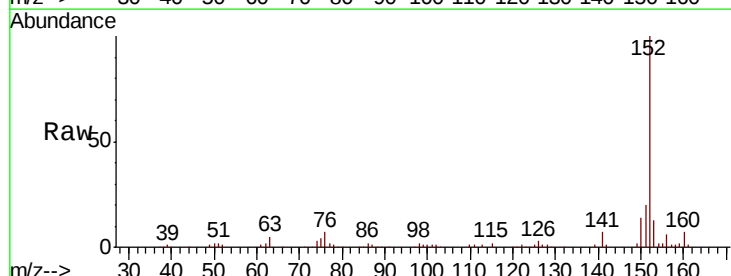
Instrument :
BNA_G
ClientSampleId :
ETOC8DL

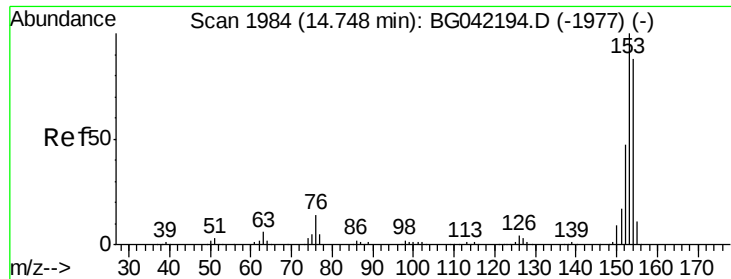
Tot Ion:163 Resp: 78985
Ion Ratio Lower Upper
163 100
194 4.8 4.2 6.2
164 10.8 7.8 11.8



#47
Acenaphthylene
Concen: 5.120 ng/ul
RT: 14.41 min Scan# 1926
Delta R.T. 0.00 min
Lab File: BG042212.D
Acq: 14 Aug 2019 16:26

Tgt Ion:152 Resp: 105068
Ion Ratio Lower Upper
152 100
151 20.1 16.8 25.2
153 12.9 10.3 15.5





#49

Acenaphthene

Concen: 5.257 ng/ul

RT: 14.75 min Scan# 1984

Delta R.T. 0.00 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Instrument :

BNA_G

ClientSampleId :

ETOC8DL

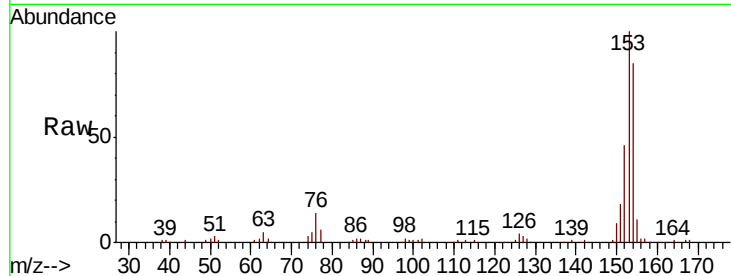
Tot Ion:153 Resp: 75444

Ion Ratio Lower Upper

153 100

152 45.7 37.8 56.8

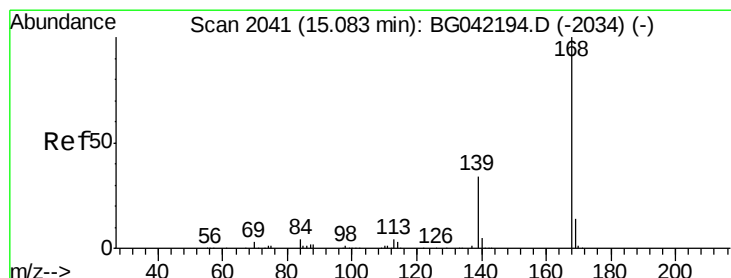
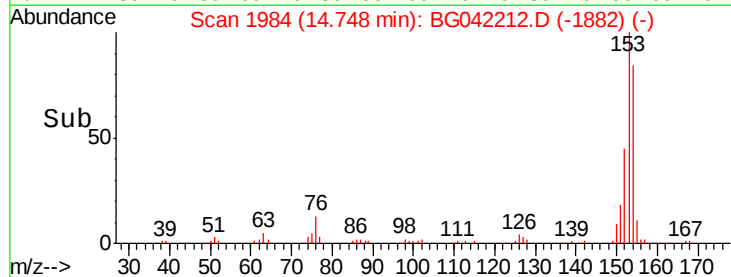
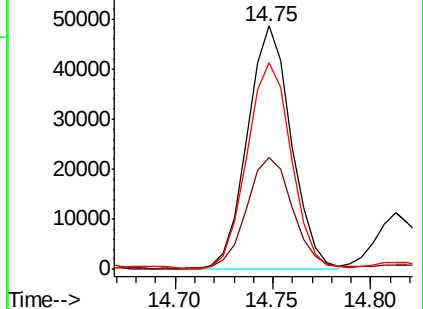
154 84.6 69.4 104.2



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



#53

Dibenzofuran

Concen: 6.171 ng/ul

RT: 15.08 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BG042212.D

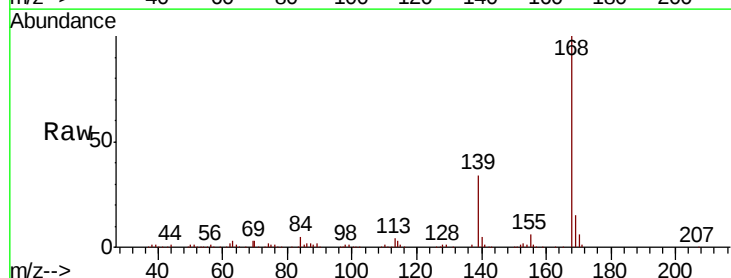
Acq: 14 Aug 2019 16:26

Tgt Ion:168 Resp: 132152

Ion Ratio Lower Upper

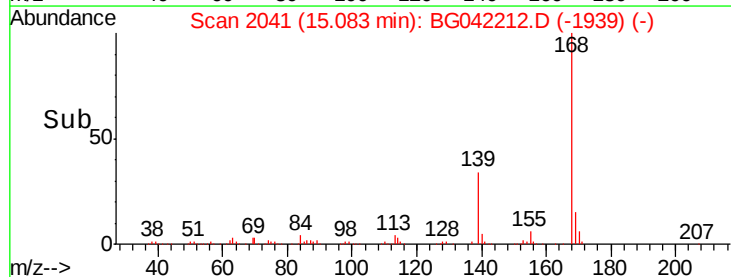
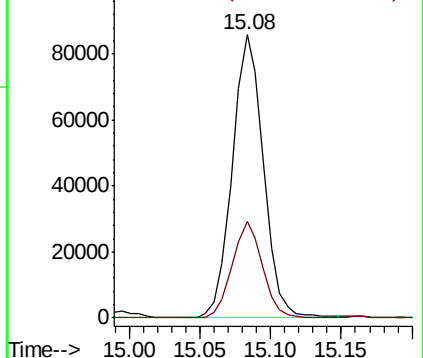
168 100

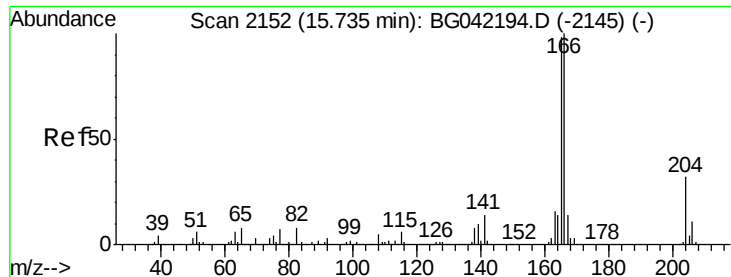
139 34.2 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 9.781 ng/ul

RT: 15.74 min Scan# 2152

Delta R.T. 0.00 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Instrument :

BNA_G

ClientSampleId :

ETOC8DL

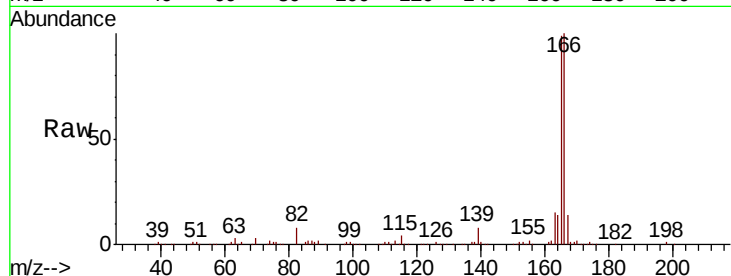
Tot Ion:166 Resp: 168726

Ion Ratio Lower Upper

166 100

165 98.6 81.1 121.7

167 14.1 11.0 16.4

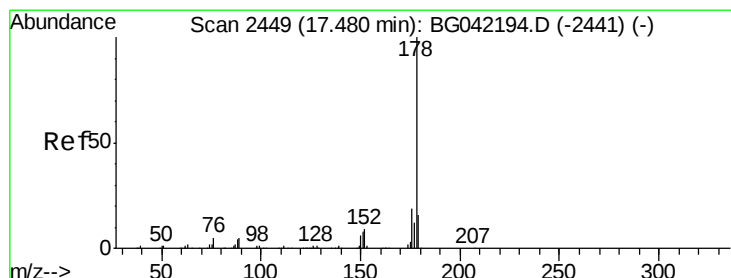
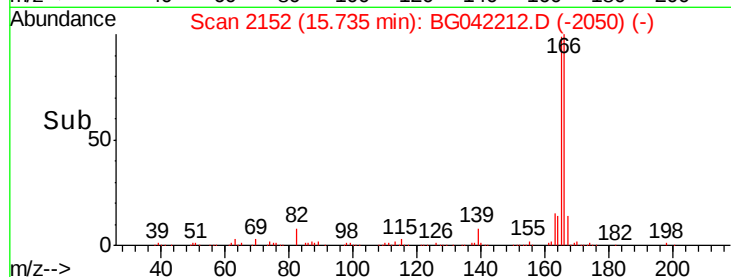
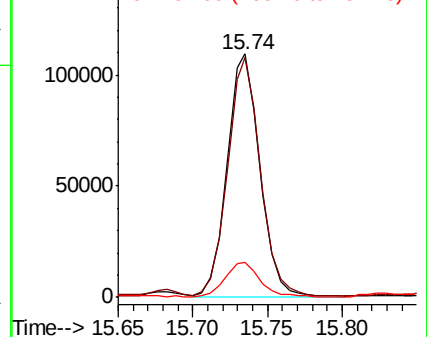


Abundance

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



#69

Phenanthrene

Concen: 69.528 ng/ul

RT: 17.49 min Scan# 2450

Delta R.T. 0.01 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

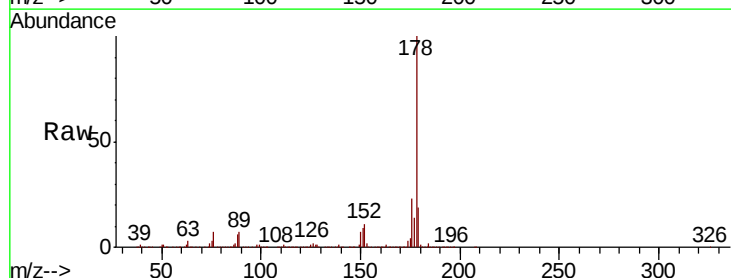
Tgt Ion:178 Resp: 1746880

Ion Ratio Lower Upper

178 100

179 18.6 12.8 19.2

176 22.8 15.4 23.2

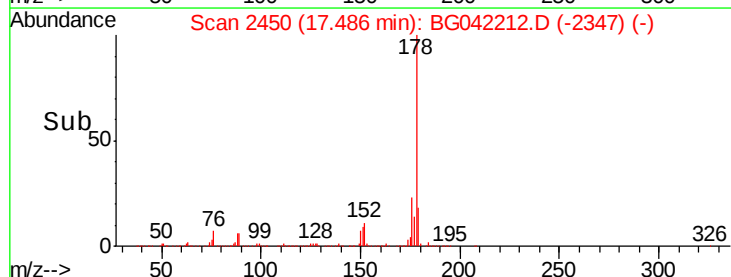
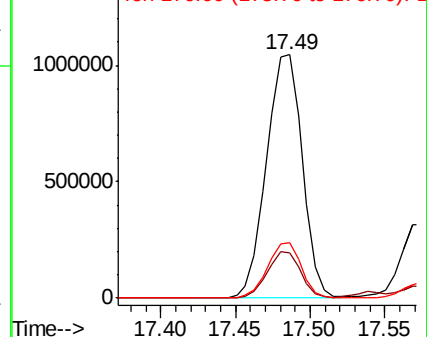


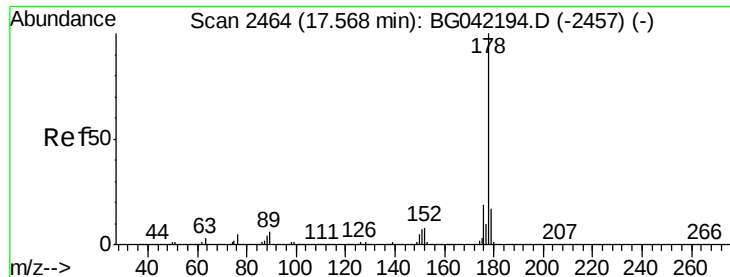
Abundance

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

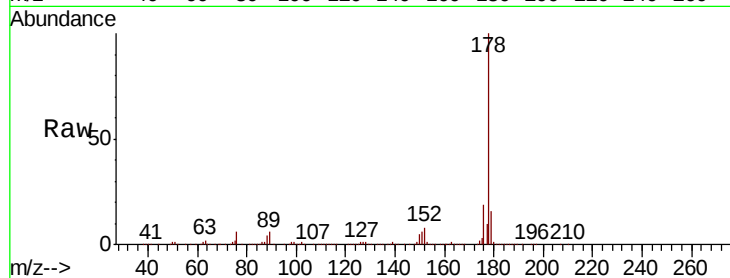




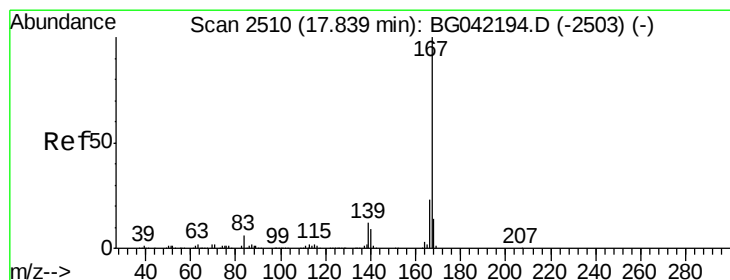
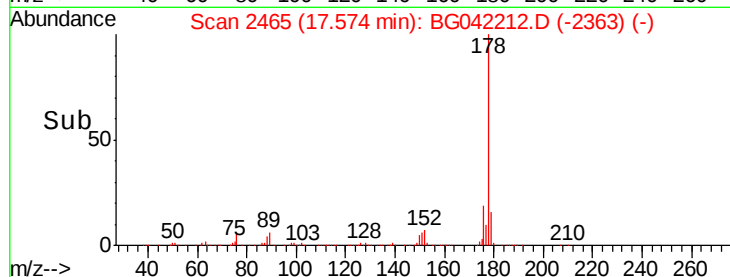
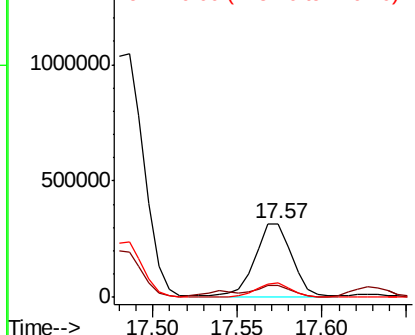
#71
 Anthracene
 Concen: 19.172 ng/ul
 RT: 17.57 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: BG042212.D
 Acq: 14 Aug 2019 16:26

Instrument :
 BNA_G
 ClientSampleId :
 ET0C8DL

Tot Ion:178 Resp: 488542
 Ion Ratio Lower Upper
 178 100
 179 15.7 13.4 20.0
 176 19.2 15.4 23.2

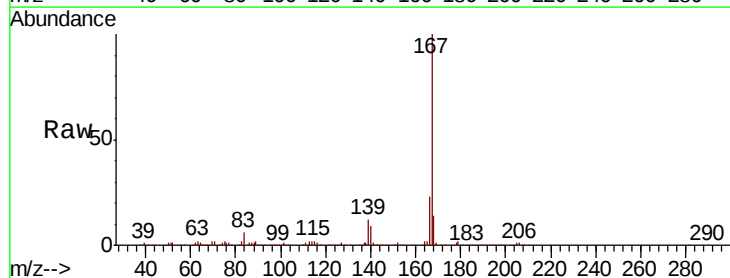


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

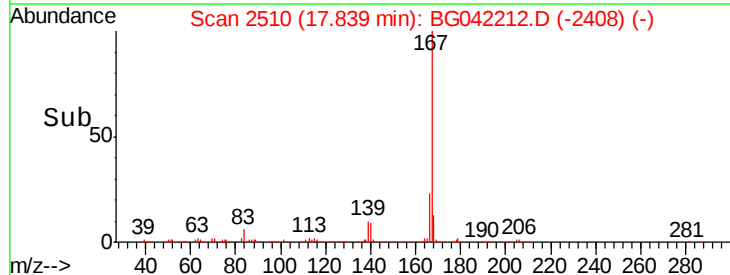
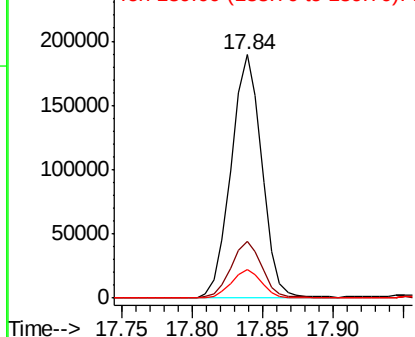


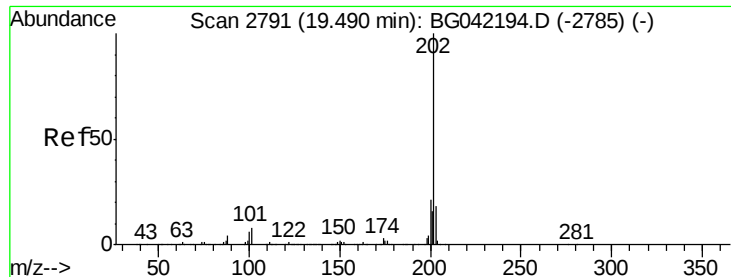
#74
 Carbazole
 Concen: 13.674 ng/ul
 RT: 17.84 min Scan# 2510
 Delta R.T. 0.00 min
 Lab File: BG042212.D
 Acq: 14 Aug 2019 16:26

Tgt Ion:167 Resp: 288633
 Ion Ratio Lower Upper
 167 100
 166 23.2 18.2 27.4
 139 11.8 9.6 14.4



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





#76

Fluoranthene

Concen: 68.529 ng/ul

RT: 19.50 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Instrument :

BNA_G

ClientSampleId :

ETOC8DL

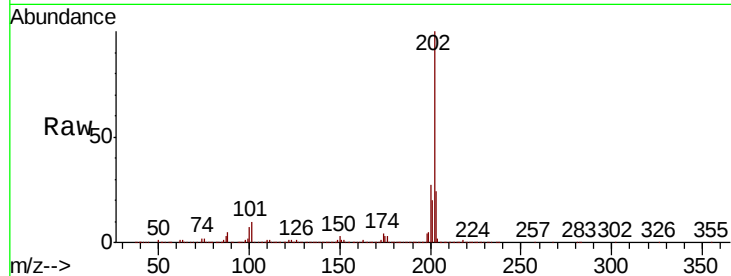
Tot Ion:202 Resp: 1989372

Ion Ratio Lower Upper

202 100

101 9.9 6.7 10.1

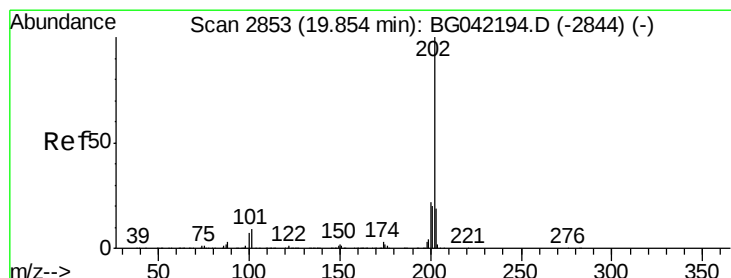
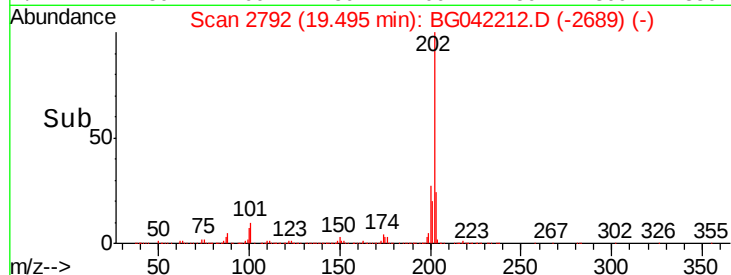
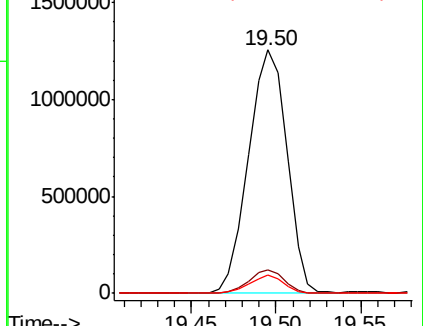
100 7.4 5.3 7.9



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



#79

Pyrene

Concen: 56.236 ng/ul

RT: 19.86 min Scan# 2854

Delta R.T. 0.01 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

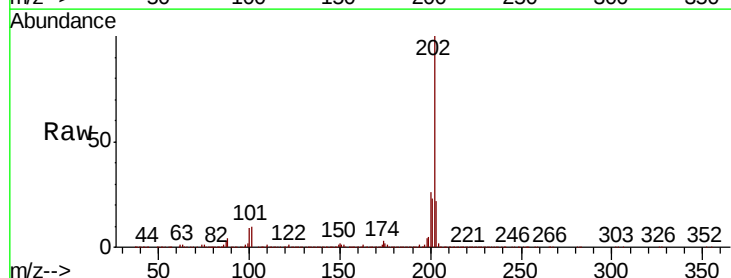
Tgt Ion:202 Resp: 1683243

Ion Ratio Lower Upper

202 100

101 10.1 7.6 11.4

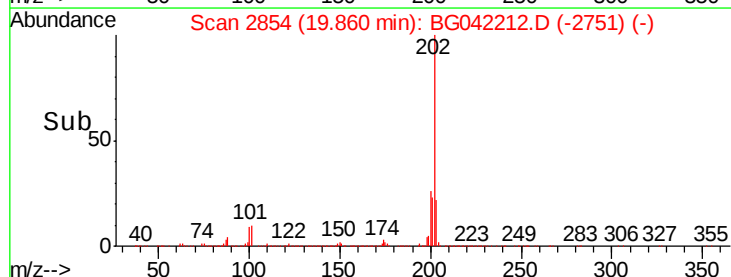
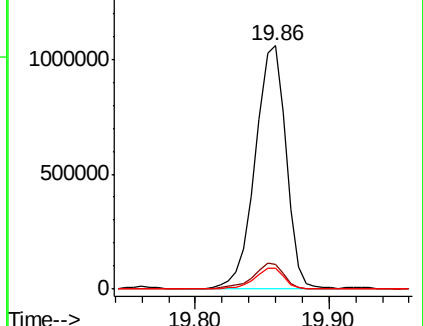
100 8.7 6.5 9.7

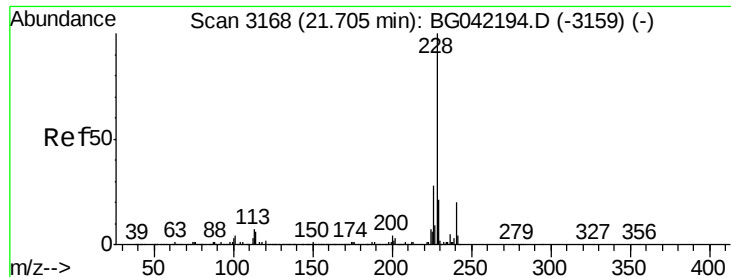


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

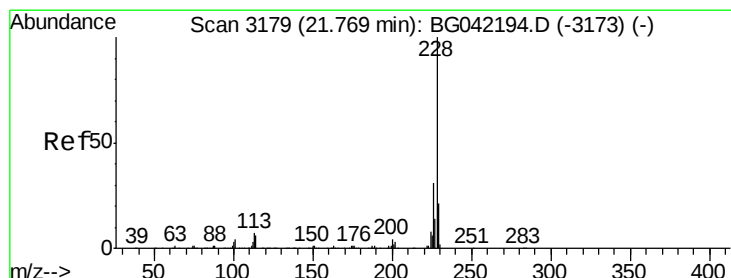
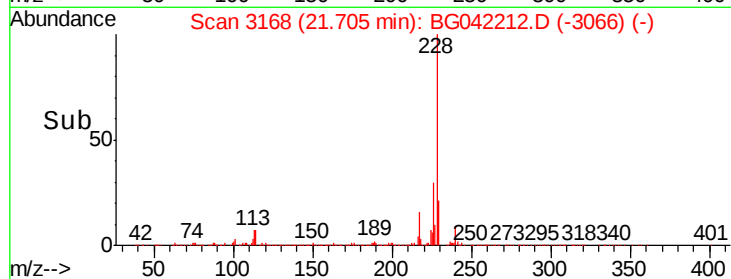
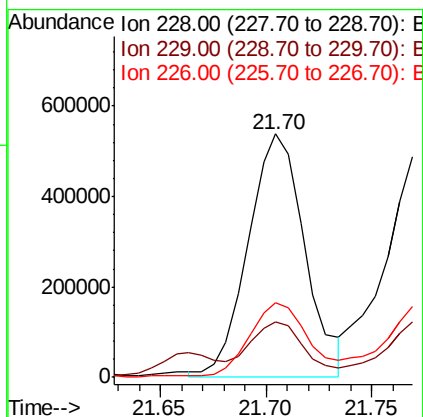
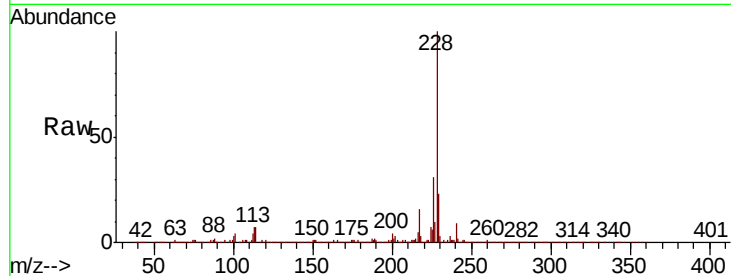




#82
Benzo(a)anthracene
Concen: 32.414 ng/ul
RT: 21.70 min Scan# 3168
Delta R.T. 0.00 min
Lab File: BG042212.D
Acq: 14 Aug 2019 16:26

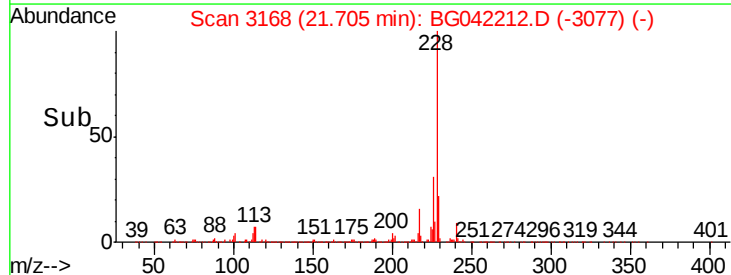
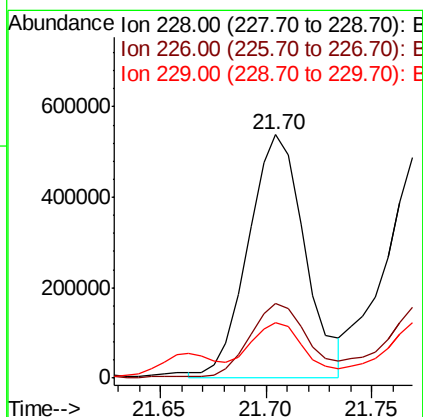
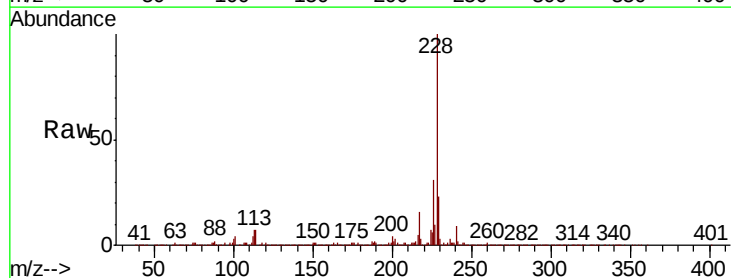
Instrument :
BNA_G
ClientSampleId :
ETOC8DL

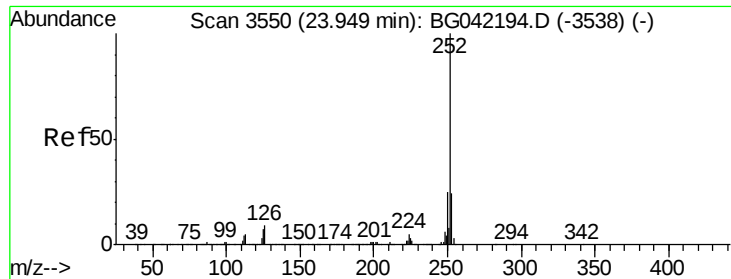
Tot Ion:228 Resp: 1000063
Ion Ratio Lower Upper
228 100
229 22.6 17.0 25.6
226 30.6 23.3 34.9



#84
Chrysene
Concen: 34.729 ng/ul
RT: 21.70 min Scan# 3168
Delta R.T. -0.06 min
Lab File: BG042212.D
Acq: 14 Aug 2019 16:26

Tgt Ion:228 Resp: 1000063
Ion Ratio Lower Upper
228 100
226 30.6 25.7 38.5
229 22.6 16.6 24.8





#87

Benzo(b)fluoranthene

Concen: 38.744 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Instrument :

BNA_G

ClientSampleId :

ETOC8DL

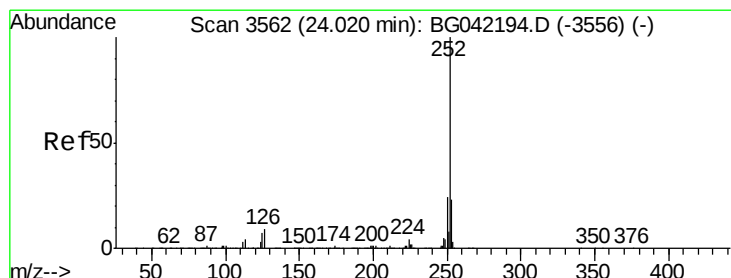
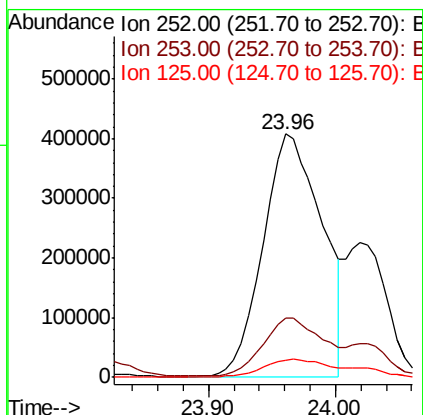
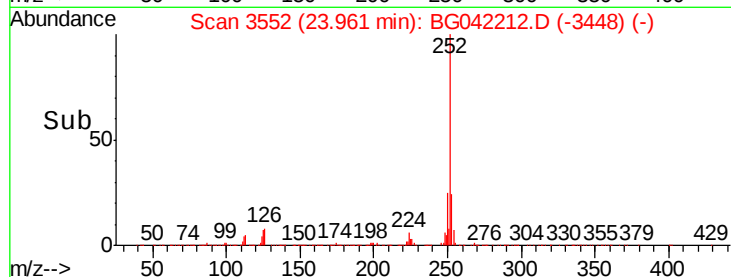
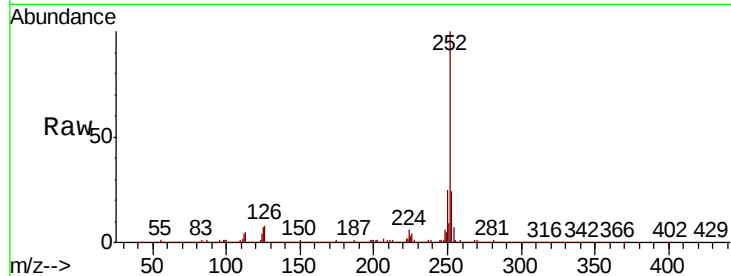
Tot Ion:252 Resp: 1314078

Ion Ratio Lower Upper

252 100

253 24.5 18.4 27.6

125 7.1 5.8 8.8



#88

Benzo(k)fluoranthene

Concen: 40.295 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. -0.05 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

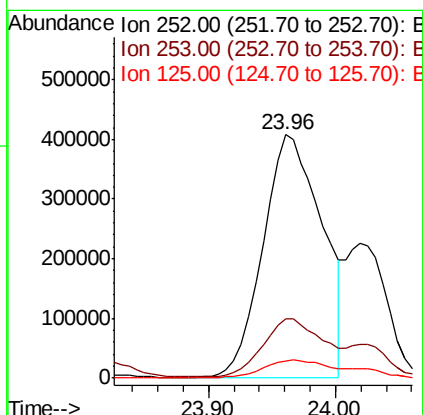
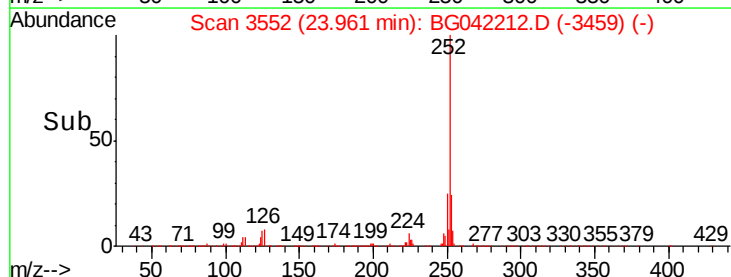
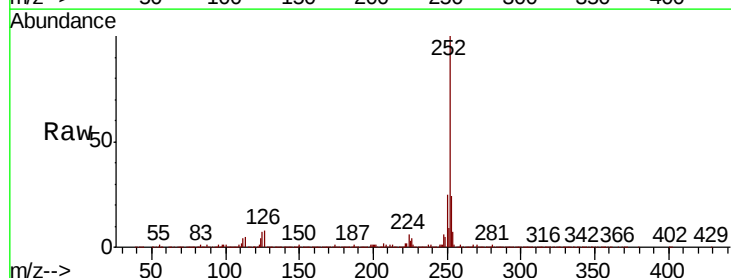
Tgt Ion:252 Resp: 1314078

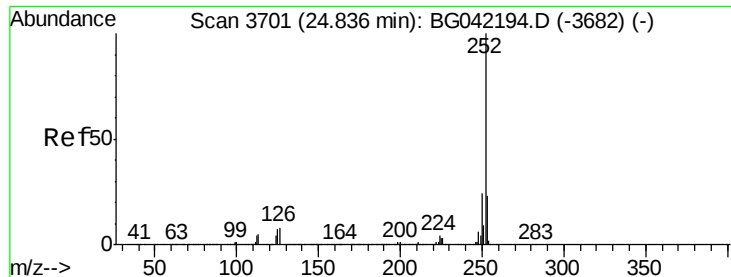
Ion Ratio Lower Upper

252 100

253 24.5 18.3 27.5

125 7.1 5.5 8.3





#90

Benzo(a)pyrene

Concen: 32.377 ng/ul

RT: 24.85 min Scan# 3703

Delta R.T. 0.01 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Instrument :

BNA_G

ClientSampleId :

ETOC8DL

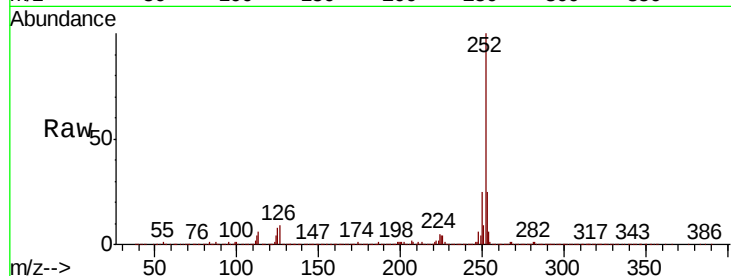
Tot Ion:252 Resp: 1046444

Ion Ratio Lower Upper

252 100

253 25.0 18.3 27.5

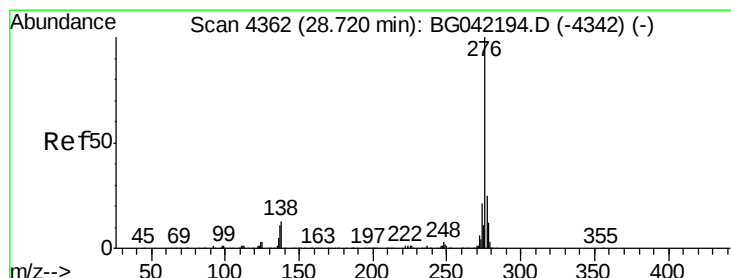
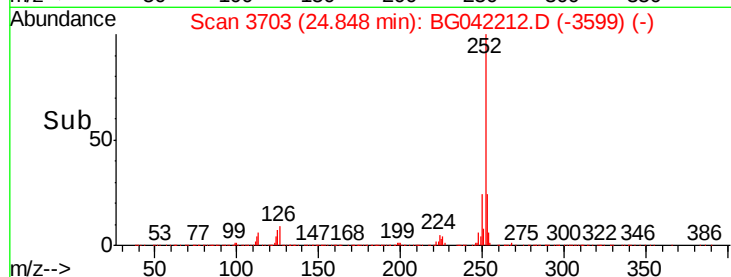
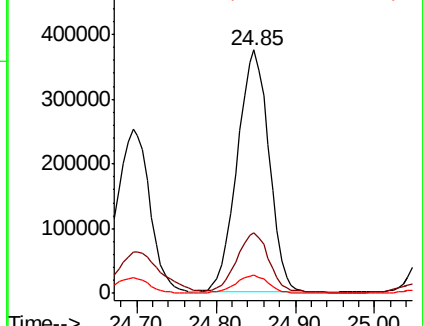
125 7.5 6.5 9.7



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 18.692 ng/ul

RT: 28.74 min Scan# 4366

Delta R.T. 0.03 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

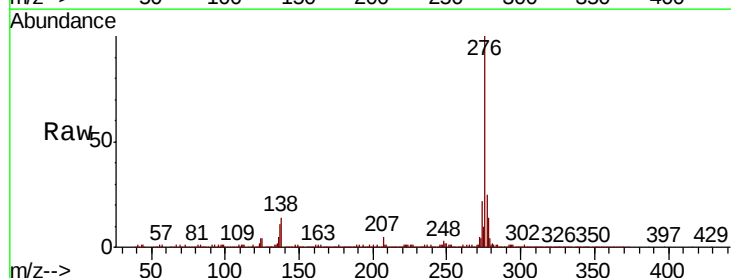
Tgt Ion:276 Resp: 704661

Ion Ratio Lower Upper

276 100

138 14.2 12.0 18.0

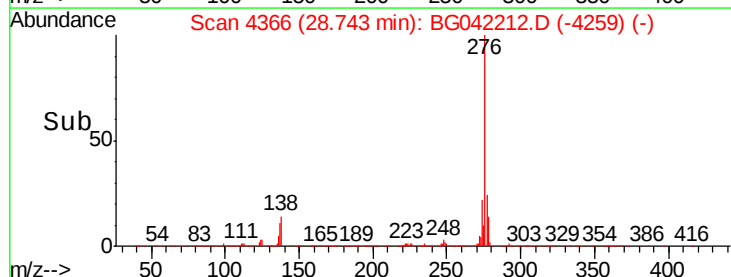
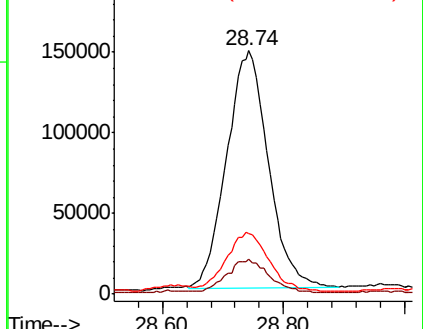
277 24.7 19.2 28.8

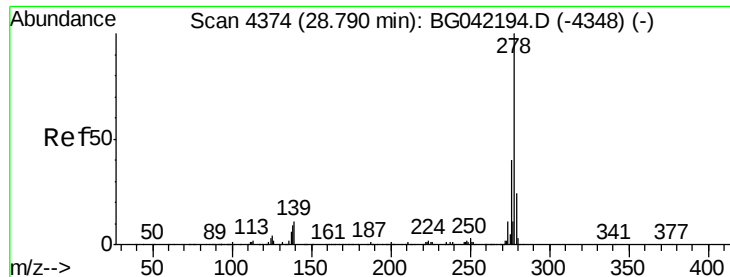


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 5.437 ng/ul

RT: 28.78 min Scan# 4373

Delta R.T. 0.01 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Instrument :

BNA_G

ClientSampleId :

ETOC8DL

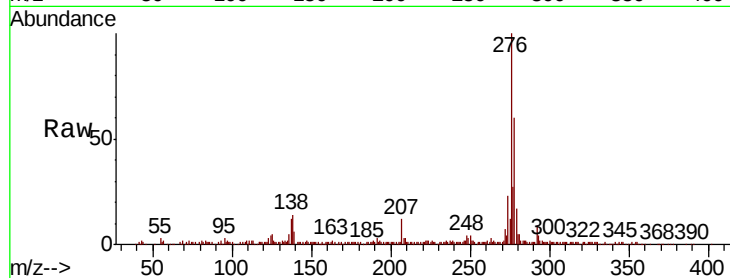
Tot Ion:278 Resp: 167191

Ion Ratio Lower Upper

278 100

139 10.7 9.4 14.0

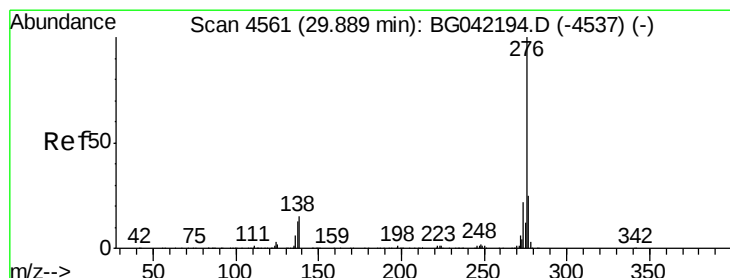
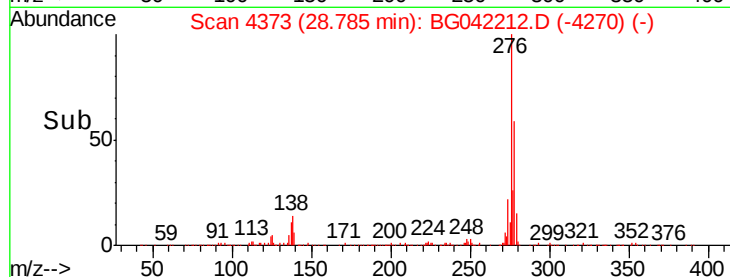
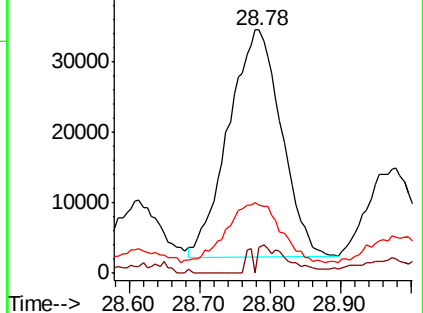
279 28.3 19.2 28.8



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



#93

Benzo(g,h,i)perylene

Concen: 18.883 ng/ul

RT: 29.90 min Scan# 4563

Delta R.T. 0.02 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

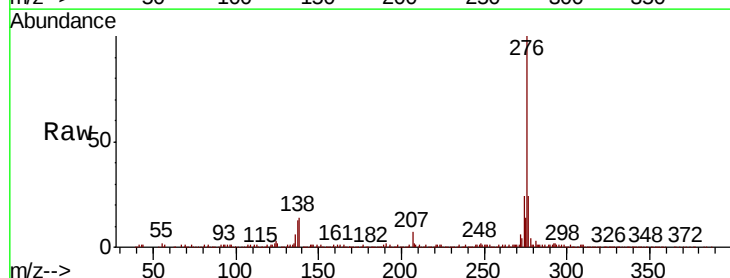
Tgt Ion:276 Resp: 594313

Ion Ratio Lower Upper

276 100

138 14.2 12.6 18.8

277 24.4 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

