

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081319\
 Data File : BG042206.D
 Acq On : 14 Aug 2019 11:54
 Operator : HP/JU
 Sample : K4304-12
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5P3

Quant Time: Aug 14 14:01:40 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	8.02	152	88410	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	364739	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	247598	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	496406	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	488755	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	596755	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	7457	3.69	ng/uL	0.00
5) Phenol-d5	7.18	99	174743	25.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	86717	22.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	160459	27.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	152264	26.14	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	81229	29.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	101434	31.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	188087	29.23	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	222543	31.16	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	566814	29.52	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	655620	29.89	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	83153	25.79	ng/ul	0.00
57) Fluorene-d10	15.68	176	501354	29.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	76039	23.87	ng/ul	0.00
70) Anthracene-d10	17.54	188	724076	30.40	ng/ul	0.00
78) Pyrene-d10	19.83	212	838419	30.74	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	980943	31.47	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.90	128	48625	2.608 ng/ul#	95
34) 2-Methylnaphthalene	12.51	142	32246	2.176 ng/ul	94
44) Dimethylphthalate	14.13	163	45546	2.389 ng/ul	99
47) Acenaphthylene	14.41	152	42593	1.924 ng/ul	98
49) Acenaphthene	14.74	153	46225	2.986 ng/ul	99
53) Dibenzofuran	15.09	168	91715	3.970 ng/ul	96
58) Fluorene	15.73	166	87358	4.694 ng/ul	96
69) Phenanthrene	17.48	178	1374892	50.592 ng/ul	95
71) Anthracene	17.57	178	193219	7.010 ng/ul	97
74) Carbazole	17.84	167	115448	5.057 ng/ul	99
76) Fluoranthene	19.50	202	1571203	50.039 ng/ul	99
79) Pyrene	19.86	202	1334566	40.593 ng/ul	99
82) Benzo(a)anthracene	21.71	228	739958	21.836 ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.61	149	146973	8.324 ng/ul	99
84) Chrysene	21.77	228	789973	24.976 ng/ul	99
87) Benzo(b)fluoranthene	23.96	252	957280	25.562 ng/ul	100
88) Benzo(k)fluoranthene	23.96	252	957280	26.586 ng/ul	99
90) Benzo(a)pyrene	24.84	252	674547	18.902 ng/ul	99
91) Indeno(1,2,3-cd)pyrene	28.73	276	418939	10.065 ng/ul	98
92) Dibenzo(a,h)anthracene	28.77	278	121667	3.583 ng/ul	97
93) Benzo(a,h,i)perylene	29.90	276	346274	9.964 ng/ul	97

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QLast Update : Wed Aug 14 10:42:59 2019
Response via : Initial Calibration

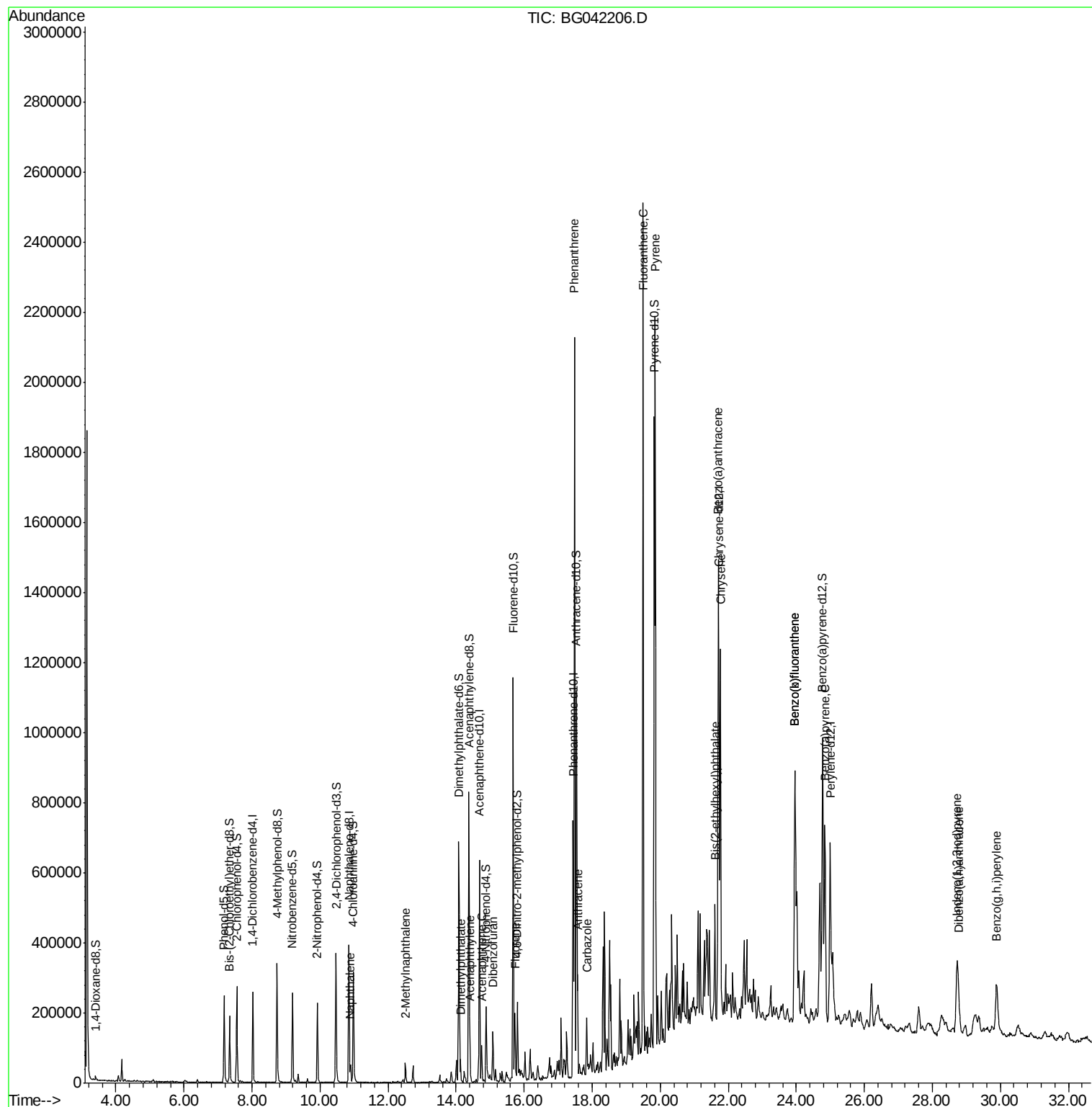
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

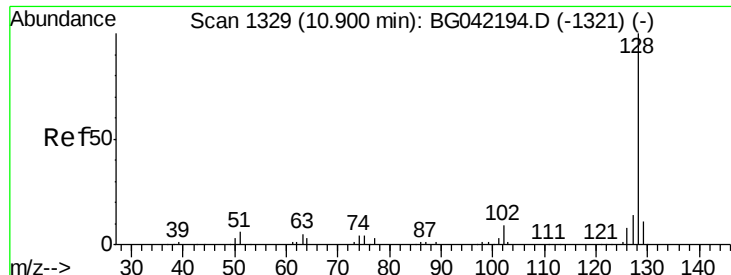
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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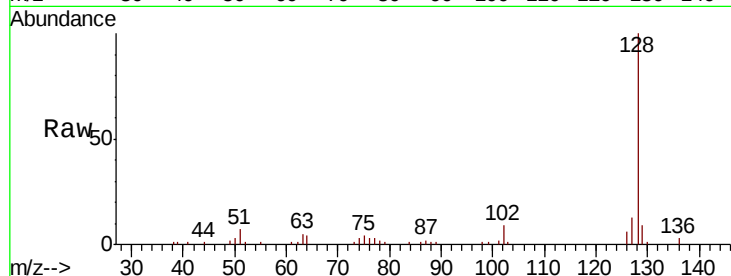




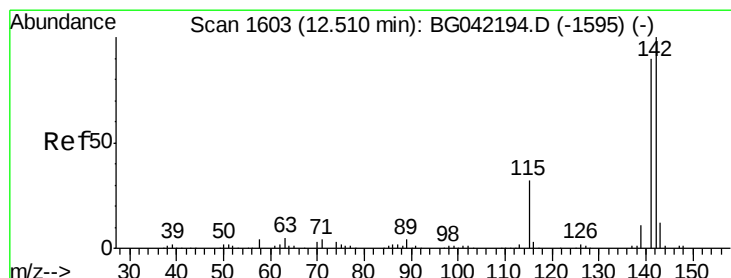
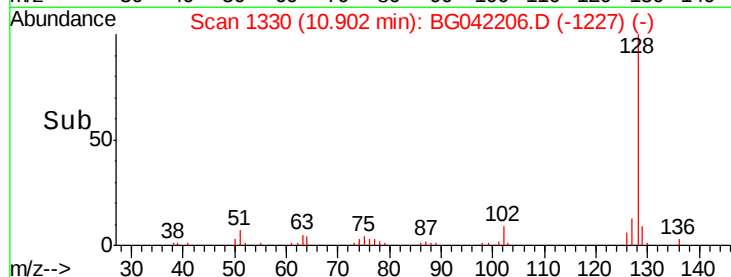
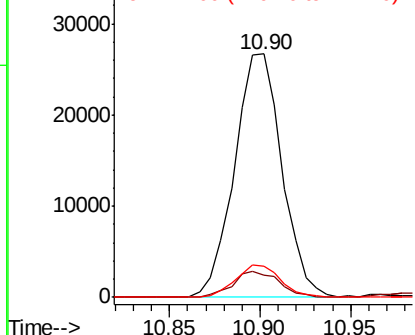
#28
Naphthalene
Concen: 2.608 ng/ul
RT: 10.90 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Instrument :
BNA_G
ClientSampleId :
CB5P3

Tot Ion:128 Resp: 48625
Ion Ratio Lower Upper
128 100
129 9.4 9.5 14.3#
127 12.6 11.4 17.0

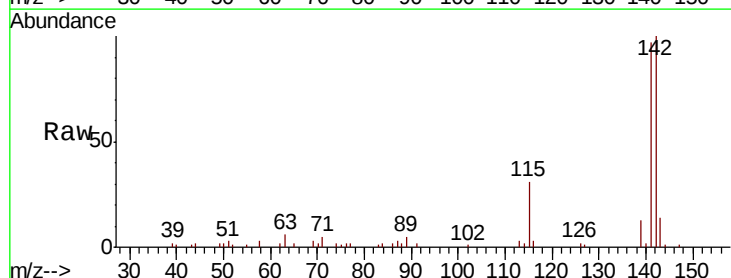


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

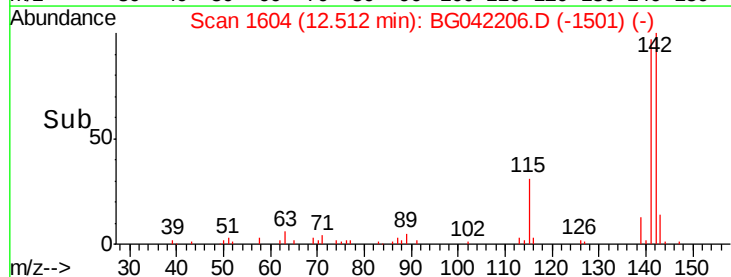
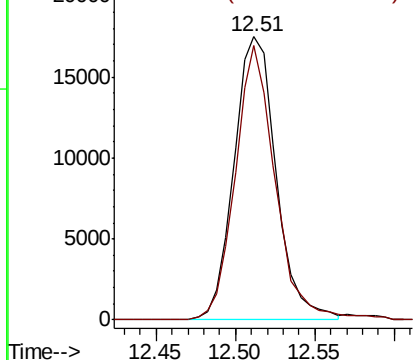


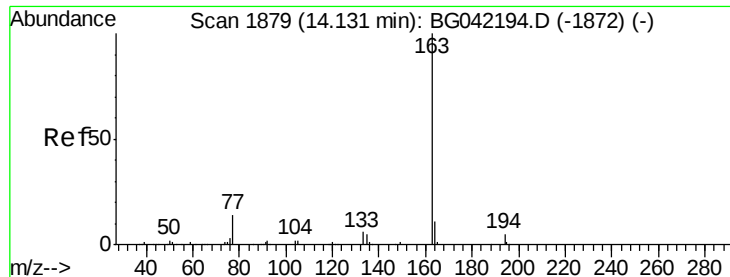
#34
2-Methylnaphthalene
Concen: 2.176 ng/ul
RT: 12.51 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Tgt Ion:142 Resp: 32246
Ion Ratio Lower Upper
142 100
141 97.1 72.9 109.3



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

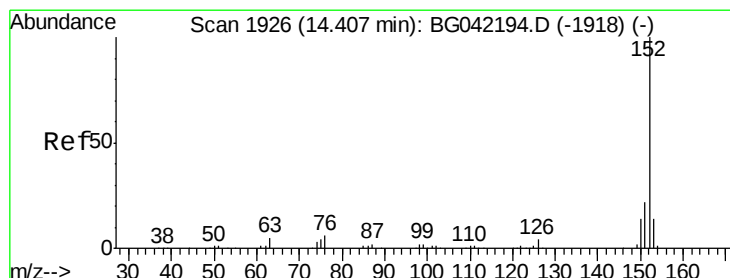
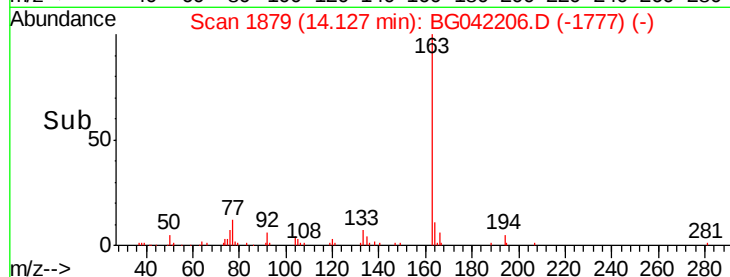
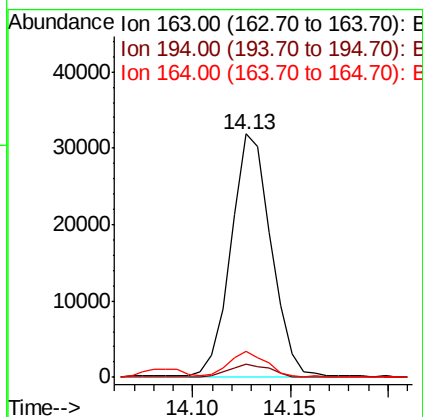
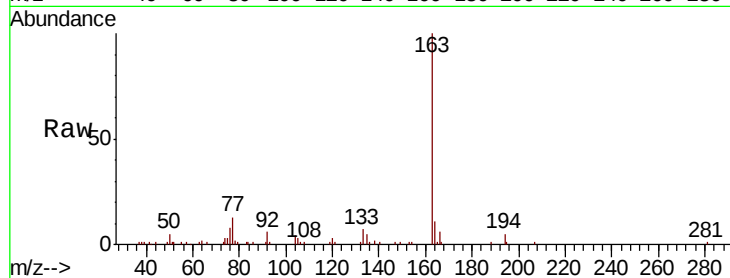




#44
Dimethylphthalate
Concen: 2.389 ng/ul
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

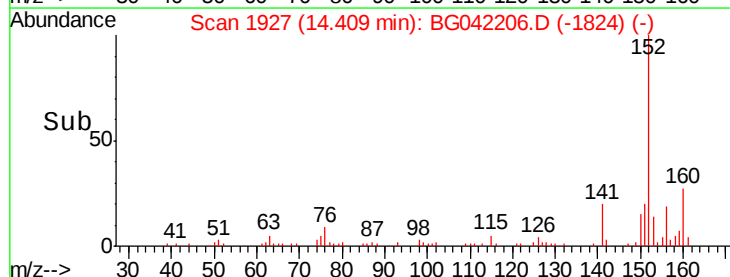
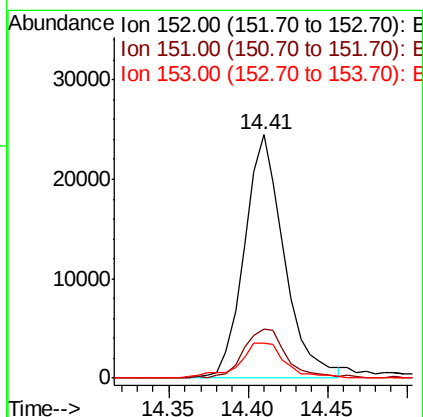
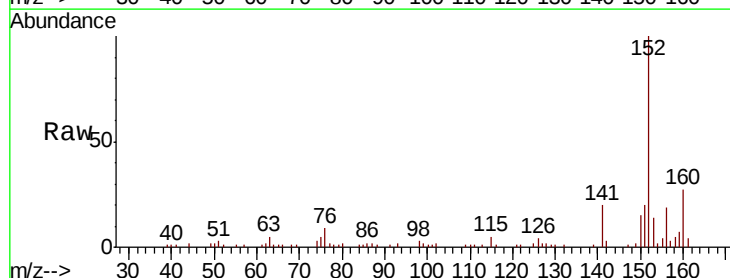
Instrument :
BNA_G
ClientSampleId :
CB5P3

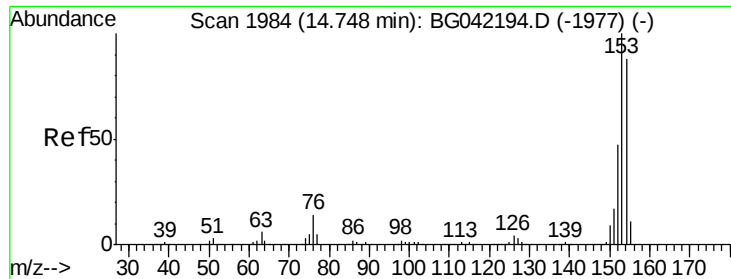
Tot Ion:163 Resp: 45546
Ion Ratio Lower Upper
163 100
194 5.2 4.2 6.2
164 10.5 7.8 11.8



#47
Acenaphthylene
Concen: 1.924 ng/ul
RT: 14.41 min Scan# 1927
Delta R.T. 0.00 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Tgt Ion:152 Resp: 42593
Ion Ratio Lower Upper
152 100
151 20.3 16.8 25.2
153 14.2 10.3 15.5





#49

Acenaphthene

Concen: 2.986 ng/ul

RT: 14.74 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

Instrument :

BNA_G

ClientSampleId :

CB5P3

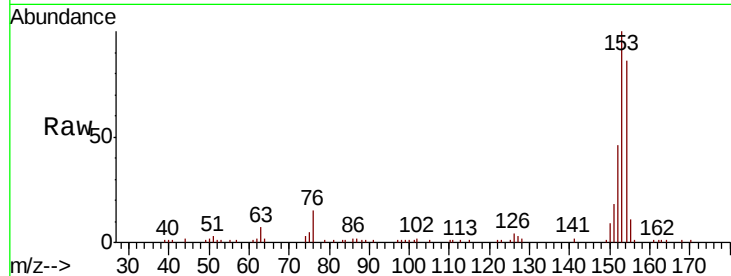
Tot Ion:153 Resp: 46225

Ion Ratio Lower Upper

153 100

152 46.2 37.8 56.8

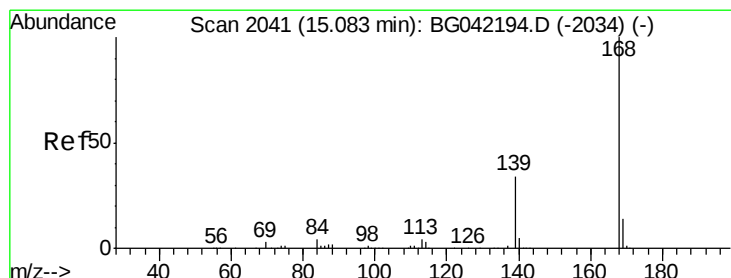
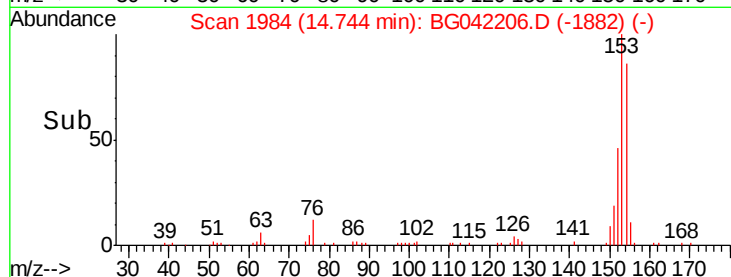
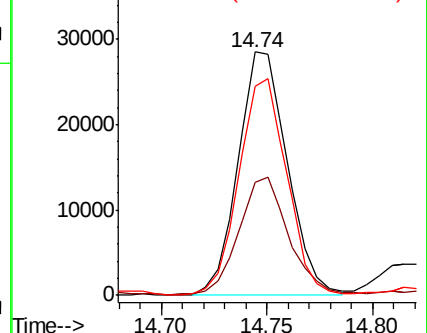
154 86.1 69.4 104.2



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: 3.970 ng/ul

RT: 15.09 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BG042206.D

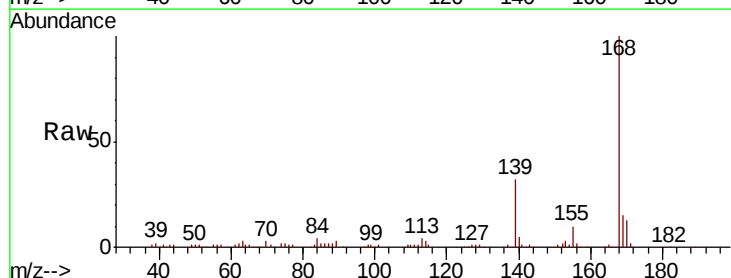
Acq: 14 Aug 2019 11:54

Tgt Ion:168 Resp: 91715

Ion Ratio Lower Upper

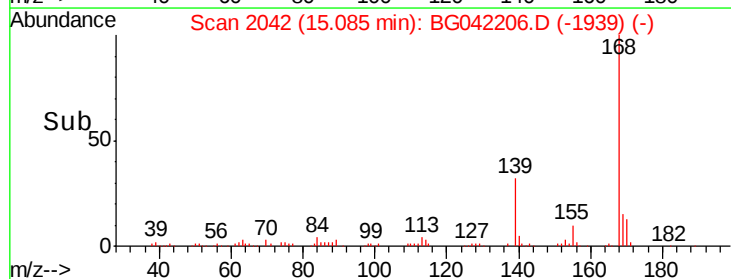
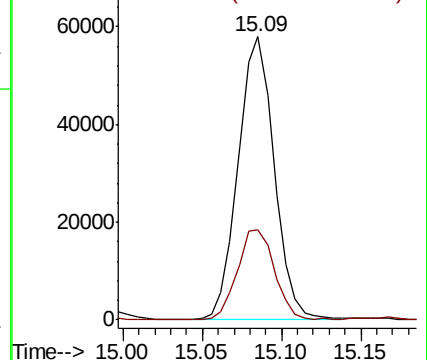
168 100

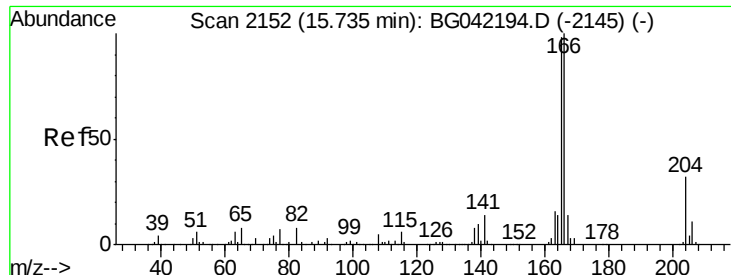
139 31.9 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 4.694 ng/ul

RT: 15.73 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

Instrument :

BNA_G

ClientSampleId :

CB5P3

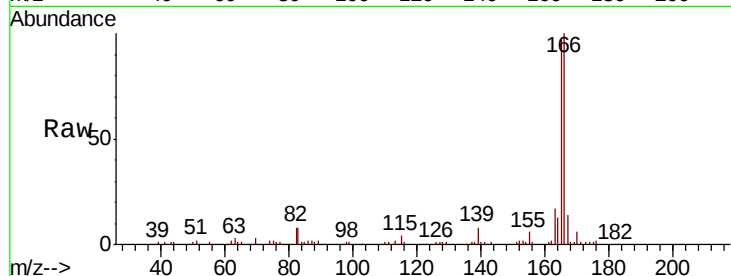
Tot Ion:166 Resp: 87358

Ion Ratio Lower Upper

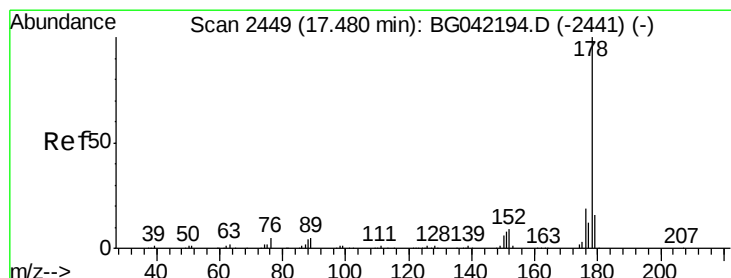
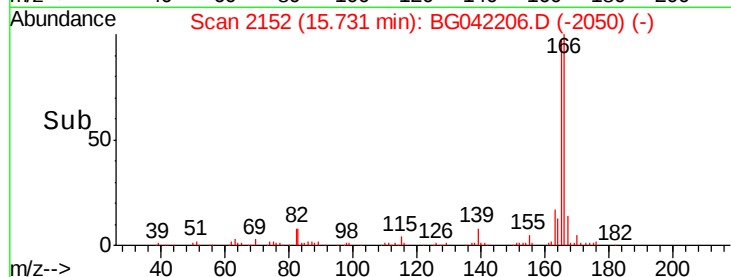
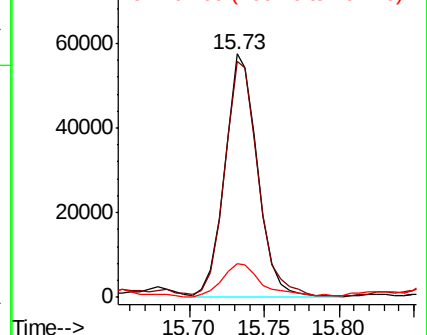
166 100

165 97.0 81.1 121.7

167 13.7 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: 50.592 ng/ul

RT: 17.48 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

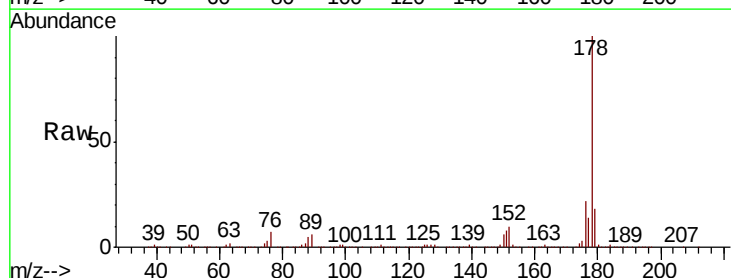
Tgt Ion:178 Resp: 1374892

Ion Ratio Lower Upper

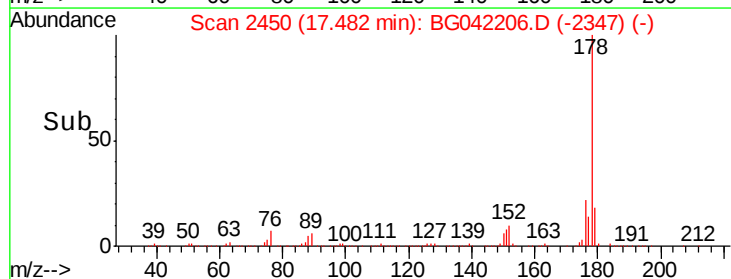
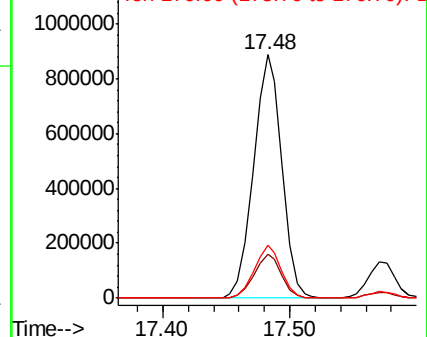
178 100

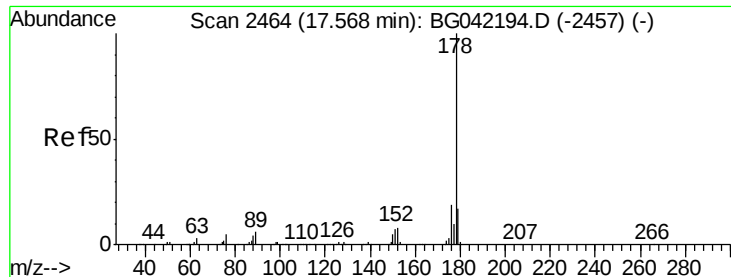
179 18.3 12.8 19.2

176 21.5 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

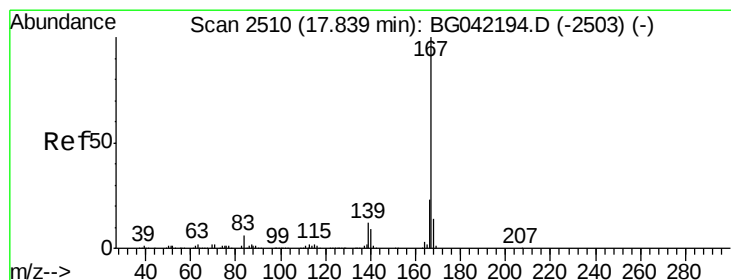
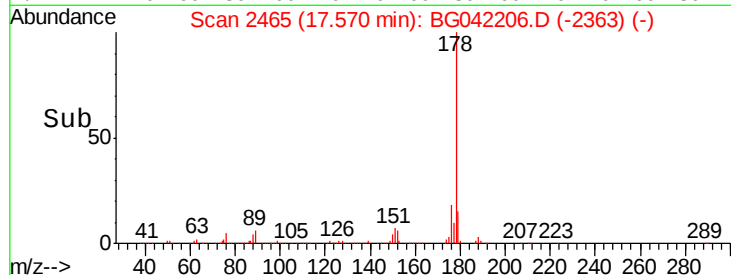
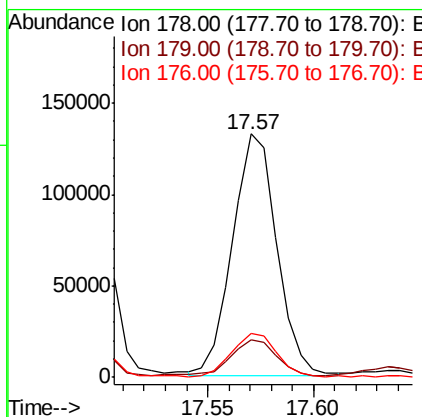
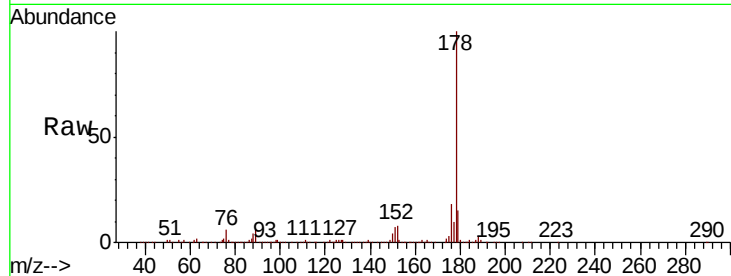




#71
 Anthracene
 Concen: 7.010 ng/ul
 RT: 17.57 min Scan# 2465
 Delta R.T. -0.00 min
 Lab File: BG042206.D
 Acq: 14 Aug 2019 11:54

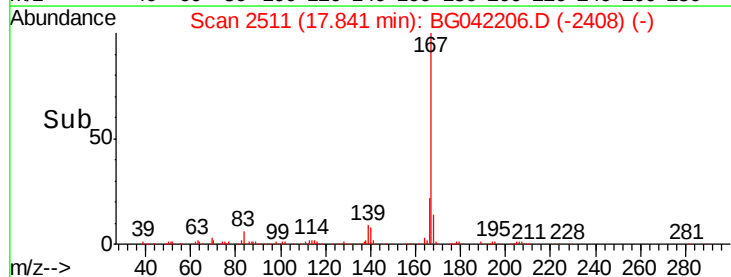
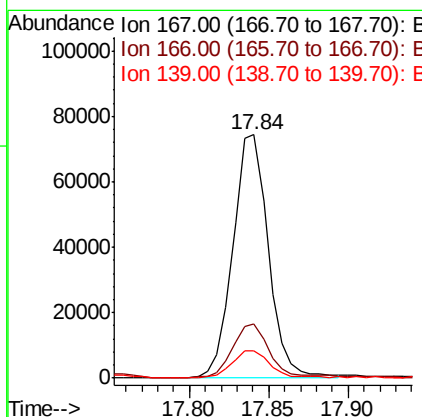
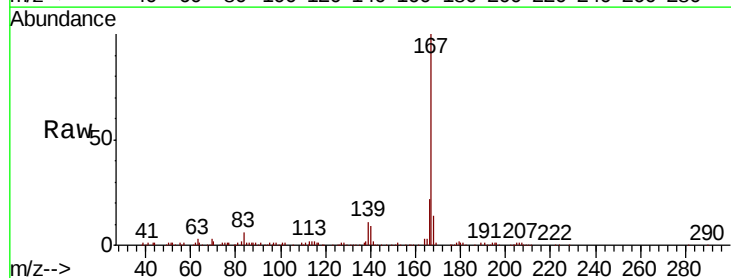
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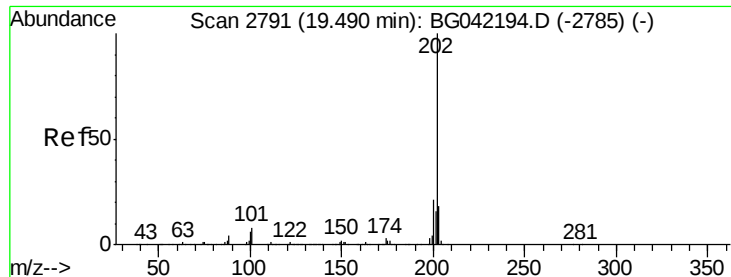
Tot Ion:178 Resp: 193219
 Ion Ratio Lower Upper
 178 100
 179 15.2 13.4 20.0
 176 18.2 15.4 23.2



#74
 Carbazole
 Concen: 5.057 ng/ul
 RT: 17.84 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG042206.D
 Acq: 14 Aug 2019 11:54

Tgt Ion:167 Resp: 115448
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.2 27.4
 139 11.2 9.6 14.4





#76

Fluoranthene

Concen: 50.039 ng/ul

RT: 19.50 min Scan# 2793

Delta R.T. 0.01 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

Instrument :

BNA_G

ClientSampleId :

CB5P3

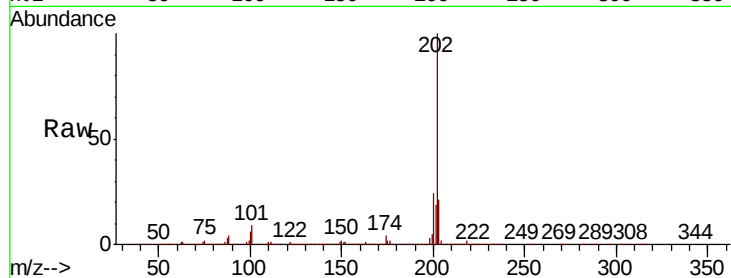
Tot Ion:202 Resp: 1571203

Ion Ratio Lower Upper

202 100

101 8.7 6.7 10.1

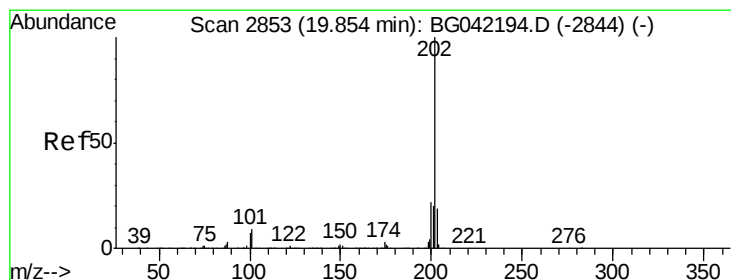
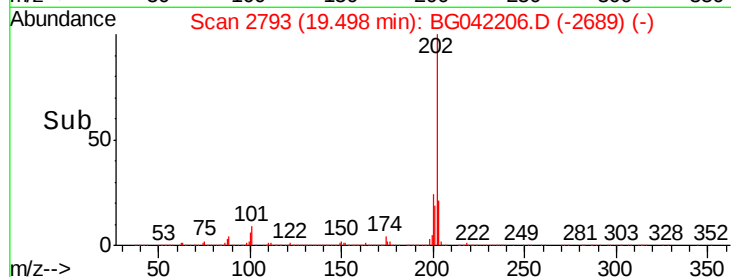
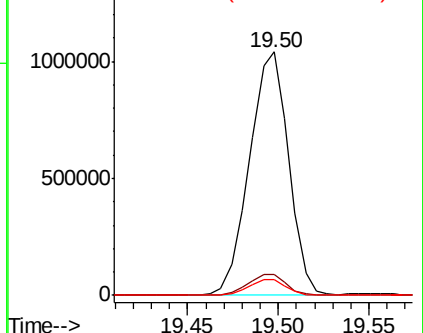
100 6.5 5.3 7.9



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: 40.593 ng/ul

RT: 19.86 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

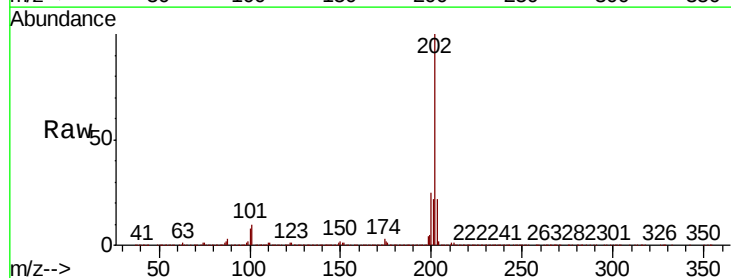
Tgt Ion:202 Resp: 1334566

Ion Ratio Lower Upper

202 100

101 9.9 7.6 11.4

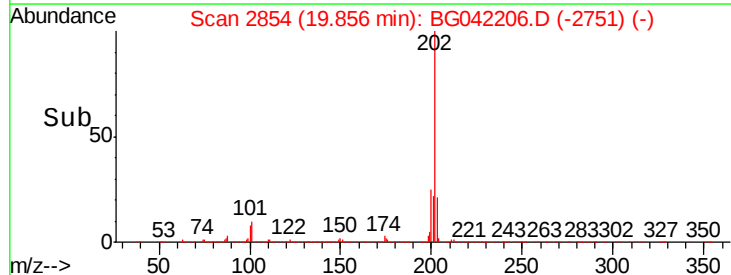
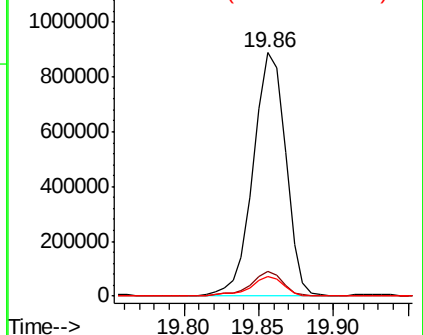
100 8.3 6.5 9.7

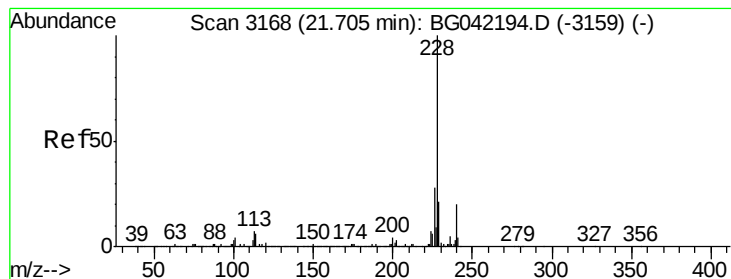


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 21.836 ng/ul

RT: 21.71 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

Instrument :

BNA_G

ClientSampled :

CB5P3

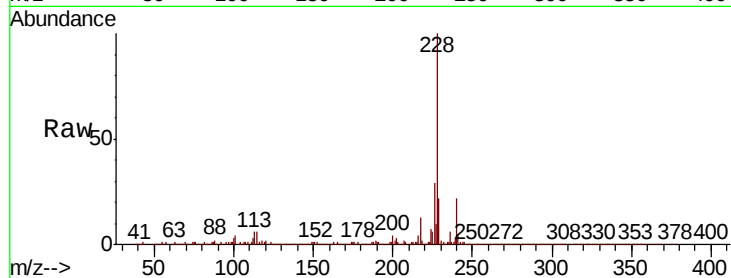
Tot Ion:228 Resp: 739958

Ion Ratio Lower Upper

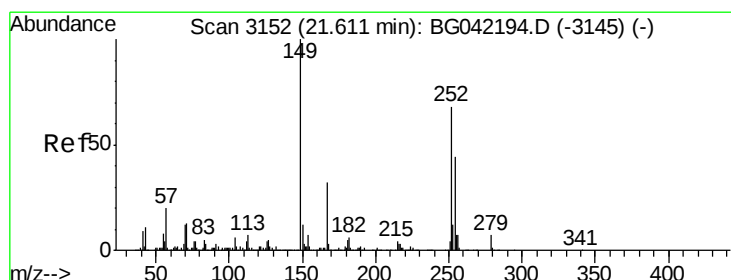
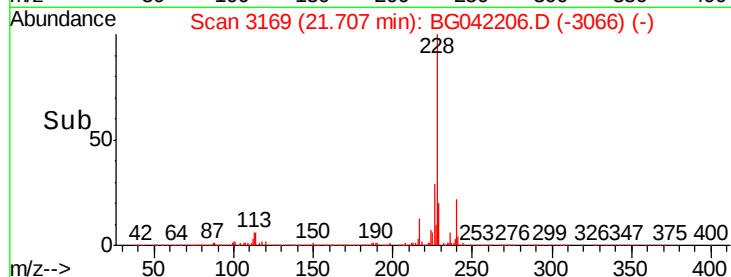
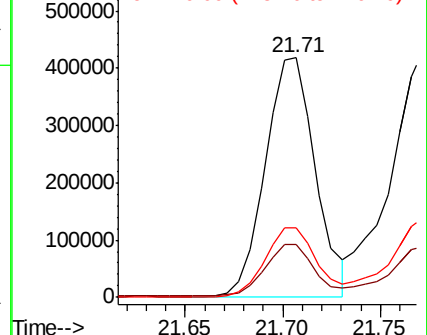
228 100

229 21.9 17.0 25.6

226 29.1 23.3 34.9



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 8.324 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

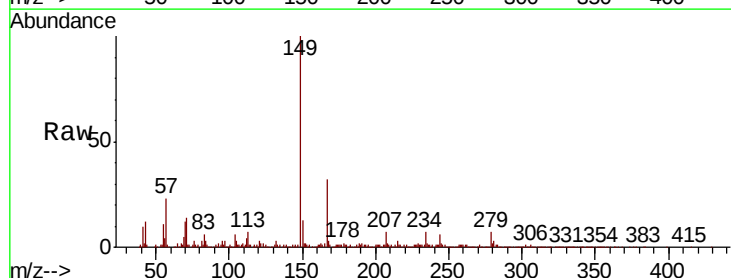
Tgt Ion:149 Resp: 146973

Ion Ratio Lower Upper

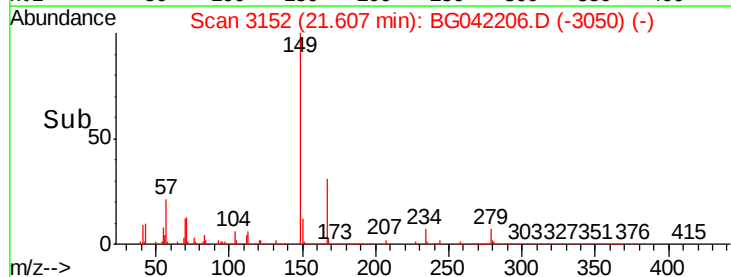
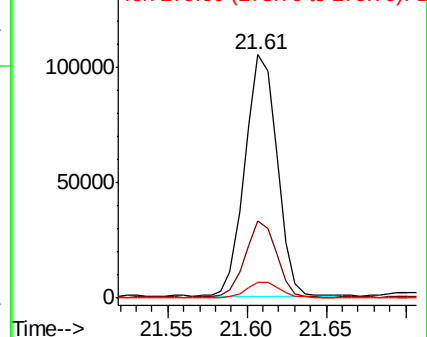
149 100

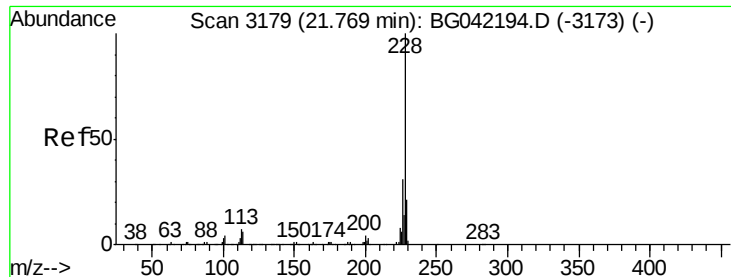
167 31.8 25.0 37.4

279 6.7 5.2 7.8



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





#84

Chrysene

Concen: 24.976 ng/ul

RT: 21.77 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

Instrument :

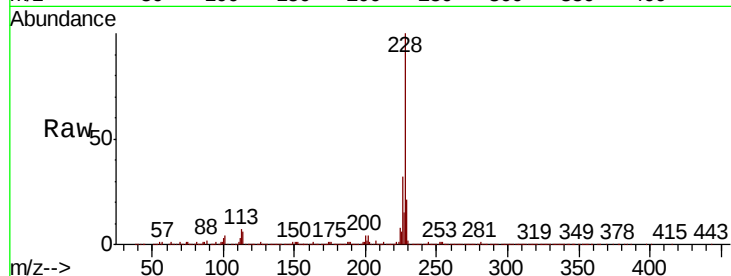
BNA_G

ClientSampleId :

CB5P3

Tot Ion:228 Resp: 789973

Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.7	38.5
229	21.3	16.6	24.8

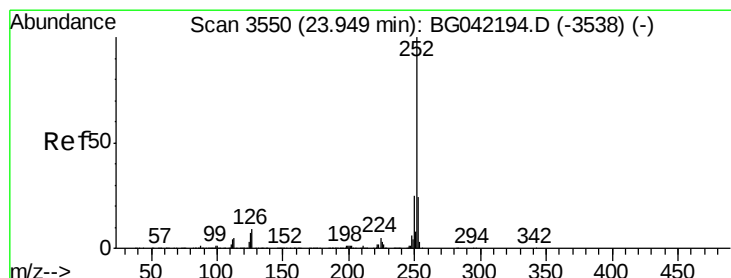
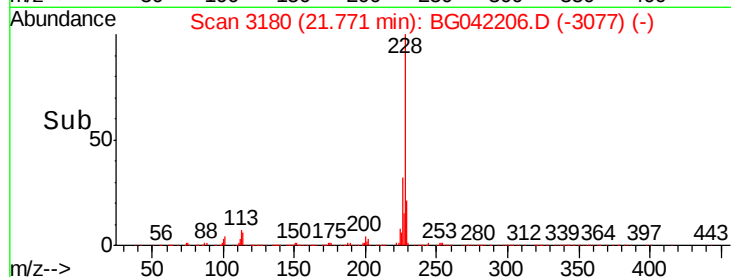
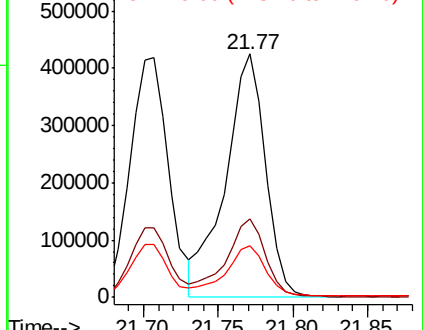


Abundance

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

Benzo(b)fluoranthene

Concen: 25.562 ng/ul

RT: 23.96 min Scan# 3552

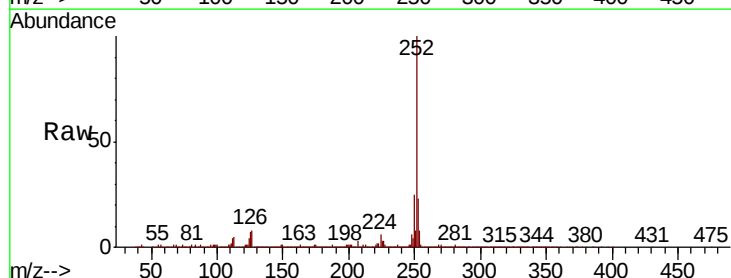
Delta R.T. 0.01 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

Tgt Ion:252 Resp: 957280

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	7.2	5.8	8.8

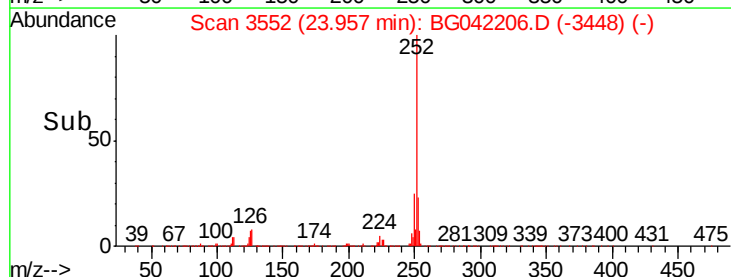
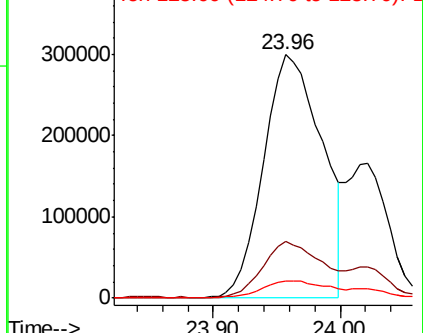


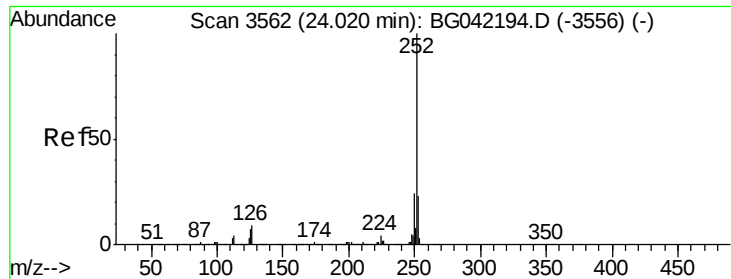
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 26.586 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. -0.06 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

Instrument :

BNA_G

ClientSampleId :

CB5P3

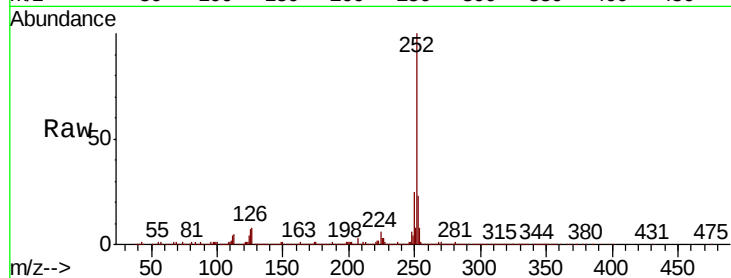
Tot Ion:252 Resp: 957280

Ion Ratio Lower Upper

252 100

253 23.1 18.3 27.5

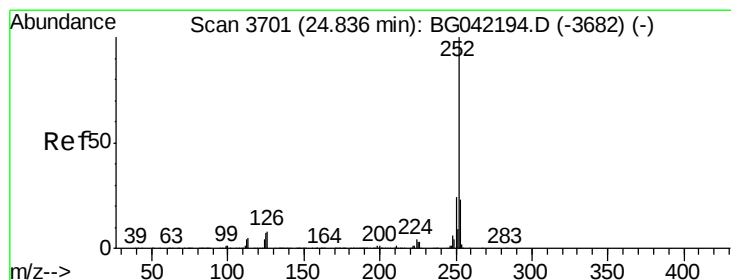
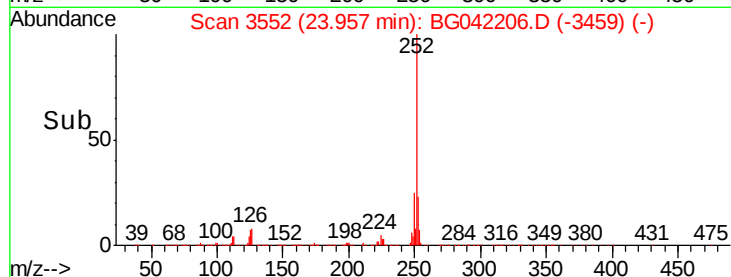
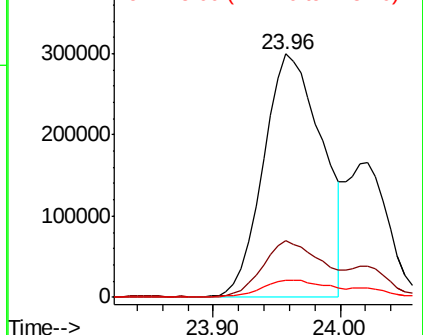
125 7.2 5.5 8.3



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



#90

Benzo(a)pyrene

Concen: 18.902 ng/ul

RT: 24.84 min Scan# 3703

Delta R.T. 0.01 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

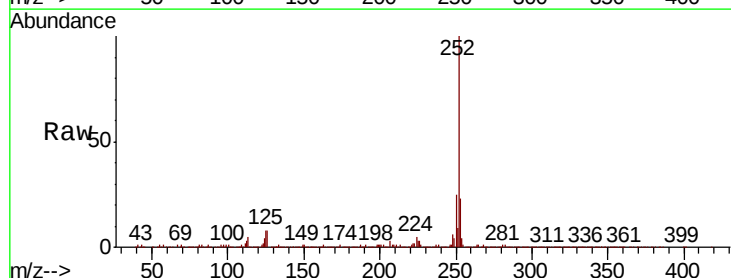
Tgt Ion:252 Resp: 674547

Ion Ratio Lower Upper

252 100

253 22.6 18.3 27.5

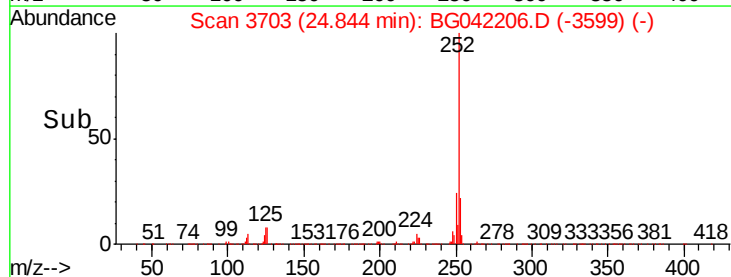
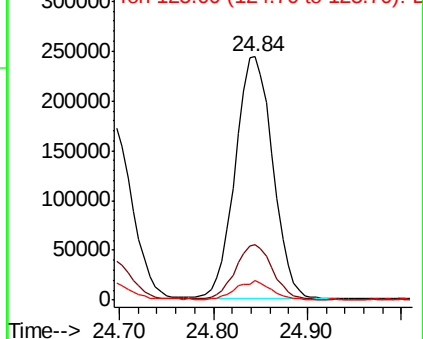
125 7.9 6.5 9.7

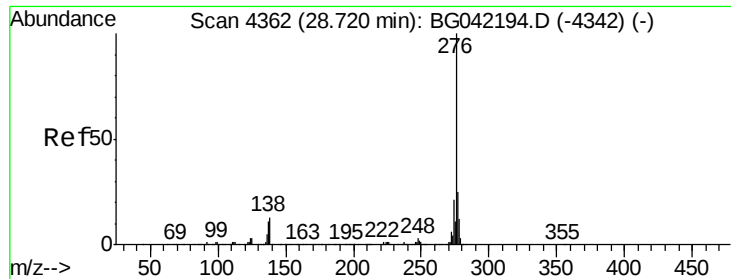


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



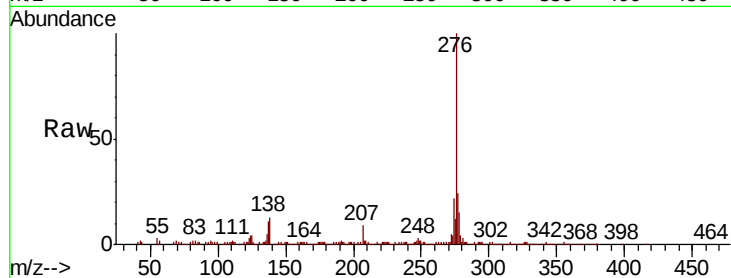


#91

Indeno(1,2,3-cd)pyrene
Concen: 10.065 ng/ul
RT: 28.73 min Scan# 4365
Delta R.T. 0.02 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Instrument :
BNA_G
ClientSampleId :
CB5P3

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.3	12.0	18.0
277	23.7	19.2	28.8

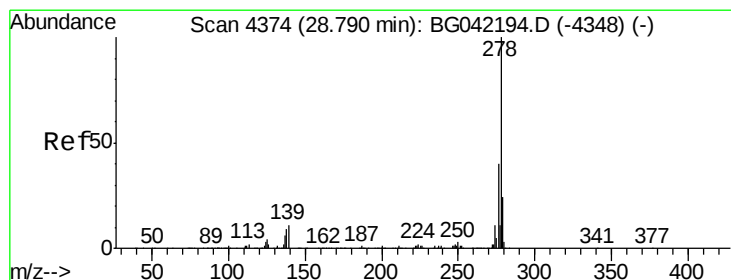
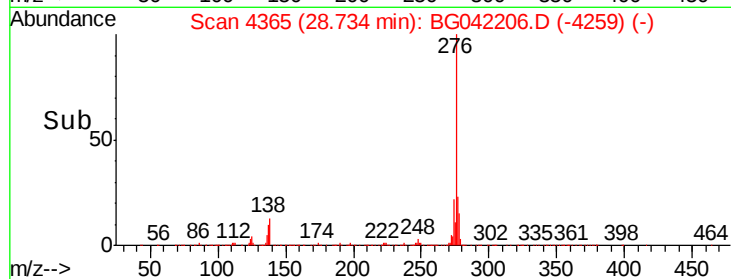
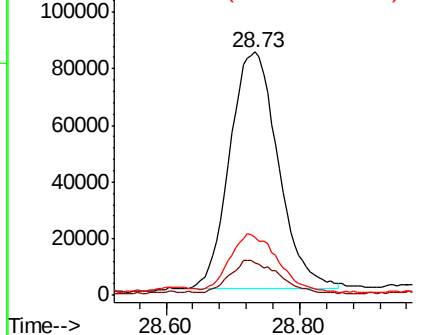


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

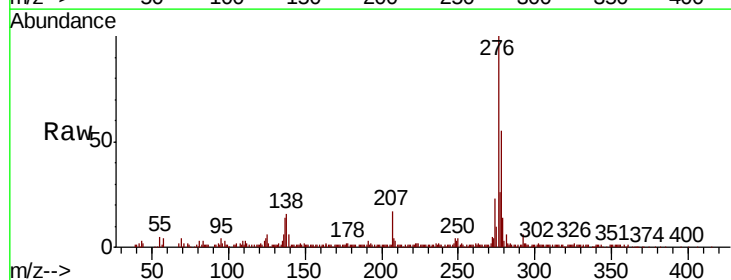
Ion 277.00 (276.70 to 277.70): E



#92

Dibenzo(a,h)anthracene
Concen: 3.583 ng/ul
RT: 28.77 min Scan# 4371
Delta R.T. -0.01 min
Lab File: BG042206.D
Acq: 14 Aug 2019 11:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.2	9.4	14.0
279	25.6	19.2	28.8

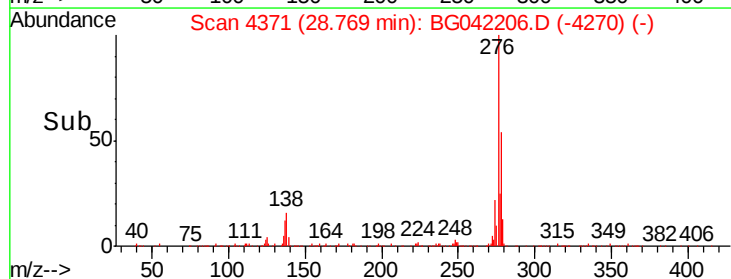
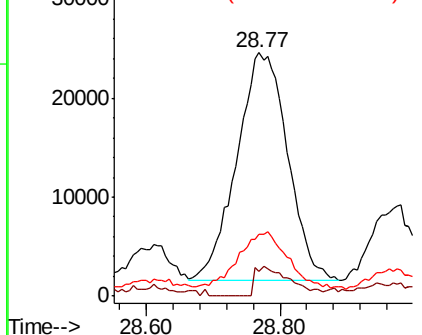


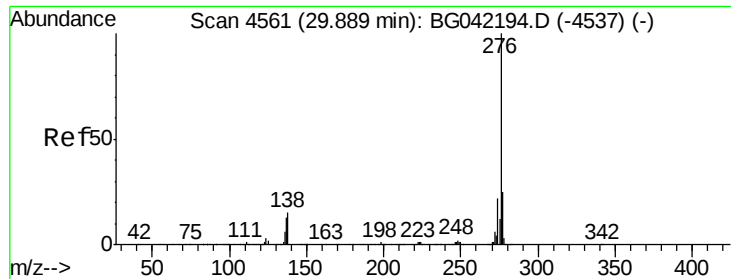
Abundance

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(a,h,i)perylene

Concen: 9.964 ng/ul

RT: 29.90 min Scan# 4563

Delta R.T. 0.02 min

Lab File: BG042206.D

Acq: 14 Aug 2019 11:54

Instrument :

BNA_G

ClientSampleId :

CB5P3

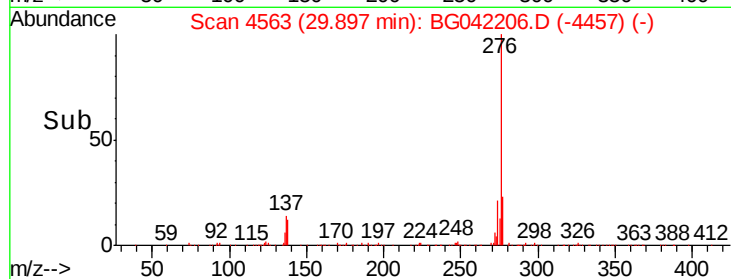
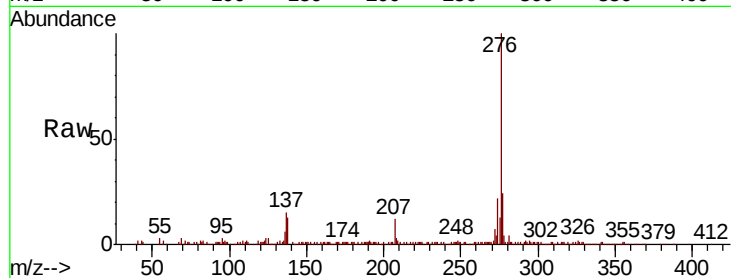
Tot Ion:276 Resp: 346274

Ion Ratio Lower Upper

276 100

138 13.3 12.6 18.8

277 24.2 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

