

Data File : BG042034.D
Acq On : 7 Aug 2019 16:56
Operator : HP/JU
Sample : K4028-18
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENR5

Quant Time: Aug 08 01:39:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 08 01:36:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	63538	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	270255	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	193808	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	412383	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	393519	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	472612	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	4648	3.20	ng/uL	0.00
5) Phenol-d5	7.18	99	99747	20.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	57453	20.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	95969	22.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	76195	18.20	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	50522	24.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	59409	25.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	108581	22.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	105511	19.94	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	373585	24.85	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	438694	25.55	ng/ul	0.00
51) 4-Nitrophenol-d4	14.87	143	35428	14.04	ng/ul	0.00
57) Fluorene-d10	15.68	176	335212	25.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	48028	18.15	ng/ul	0.00
70) Anthracene-d10	17.54	188	501102	25.33	ng/ul	0.00
78) Pyrene-d10	19.83	212	565538	25.75	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.76	264	633639	25.66	ng/ul	0.00

Target Compounds

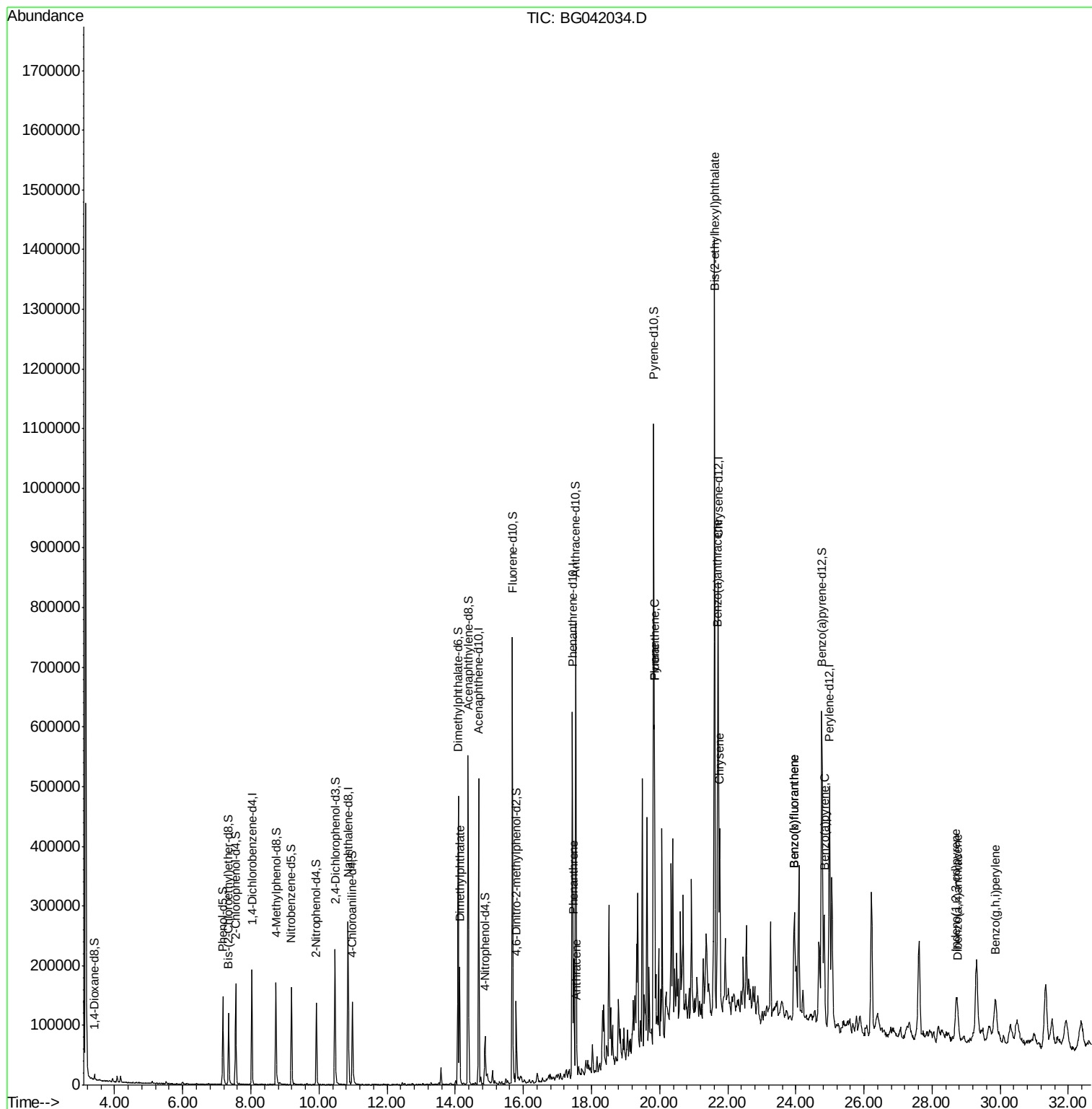
					Qvalue	
44) Dimethylphthalate	14.13	163	146458	9.813	ng/ul	99
69) Phenanthrene	17.48	178	134678	5.966	ng/ul	98
71) Anthracene	17.57	178	29360	1.282	ng/ul	97
76) Fluoranthene	19.86	202	357771	13.716	ng/ul	99
79) Pyrene	19.86	202	357771	13.516	ng/ul	96
82) Benzo(a)anthracene	21.70	228	228703	8.382	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.61	149	660272	46.446	ng/ul	99
84) Chrysene	21.77	228	242028	9.504	ng/ul	96
87) Benzo(b)fluoranthene	23.95	252	256573	8.651	ng/ul	99
88) Benzo(k)fluoranthene	23.95	252	256573	8.997	ng/ul	99
90) Benzo(a)pyrene	24.83	252	223779	7.918	ng/ul#	98
91) Indeno(1,2,3-cd)pyrene	28.70	276	132201	4.010	ng/ul	95
92) Dibenzo(a,h)anthracene	28.75	278	34809	1.295	ng/ul	98
93) Benzo(g,h,i)perylene	29.86	276	128902	4.684	ng/ul	96

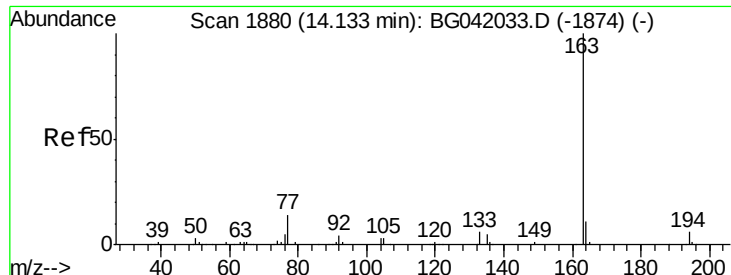
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 08 01:36:24 2019
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 9.813 ng/ul

RT: 14.13 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BG042034.D

Acq: 7 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

BENR5

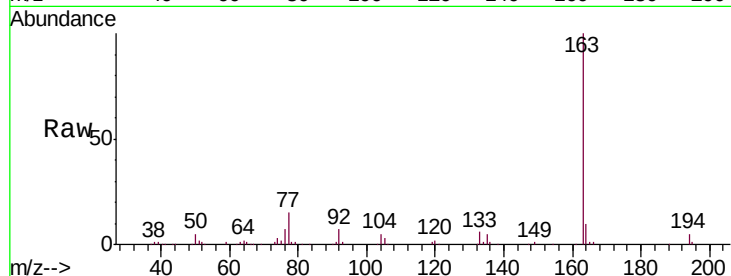
Tgt Ion:163 Resp: 146458

Ion Ratio Lower Upper

163 100

194 5.0 4.2 6.2

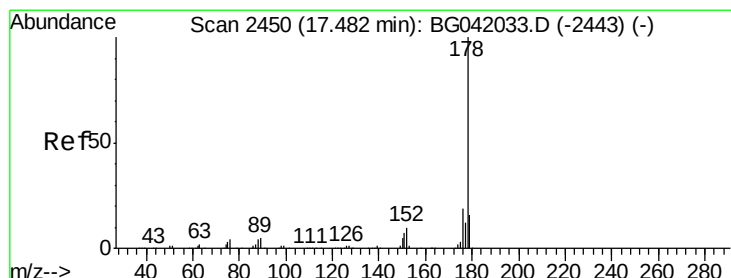
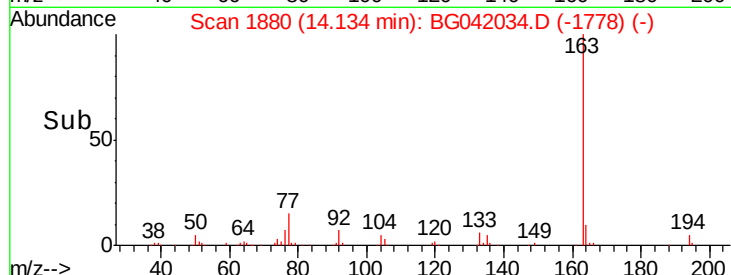
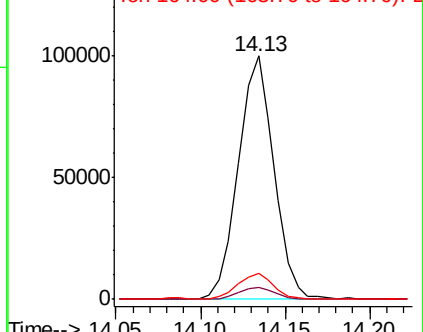
164 10.5 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#69

Phenanthrene

Concen: 5.966 ng/ul

RT: 17.48 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG042034.D

Acq: 7 Aug 2019 16:56

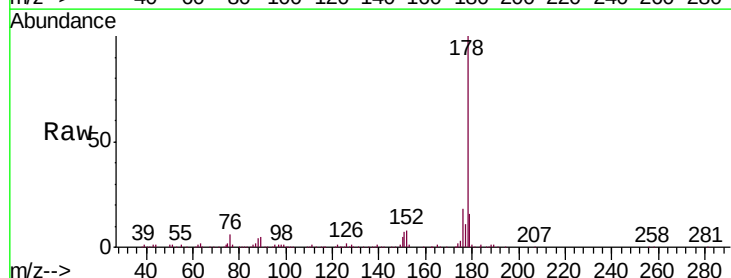
Tgt Ion:178 Resp: 134678

Ion Ratio Lower Upper

178 100

179 15.7 12.8 19.2

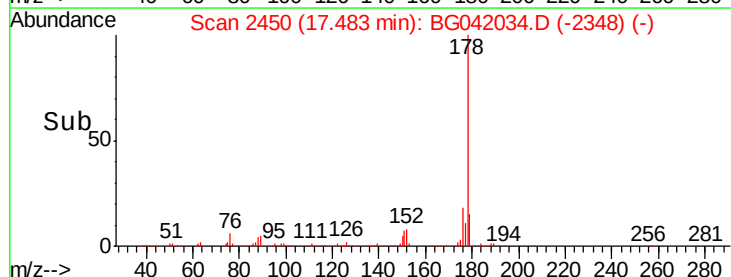
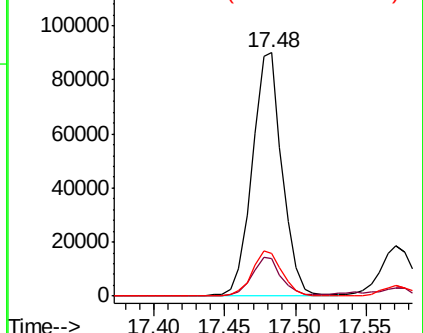
176 17.7 15.4 23.2

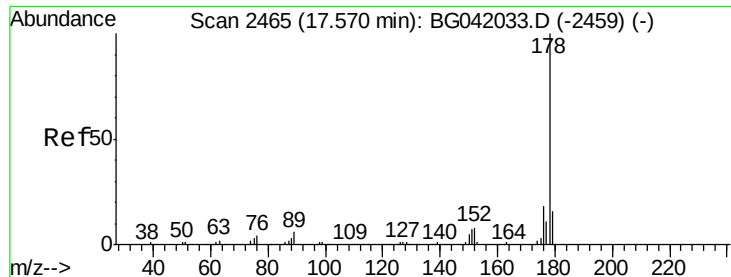


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

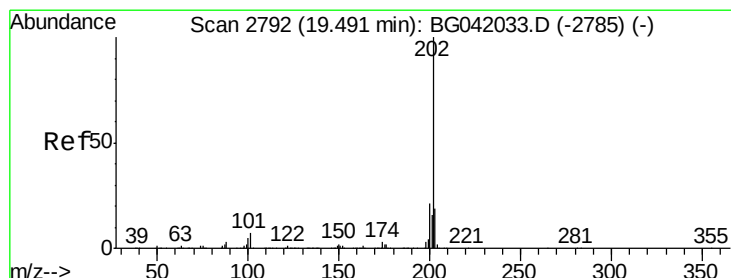
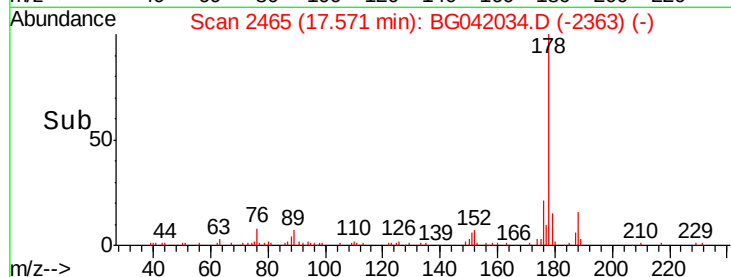
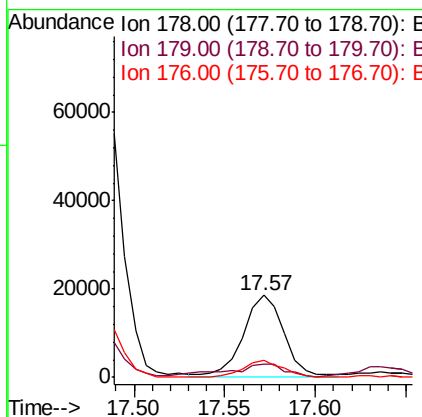
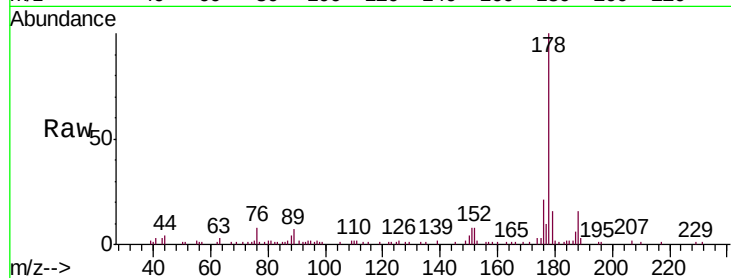




#71
 Anthracene
 Concen: 1.282 ng/ul
 RT: 17.57 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: BG042034.D
 Acq: 7 Aug 2019 16:56

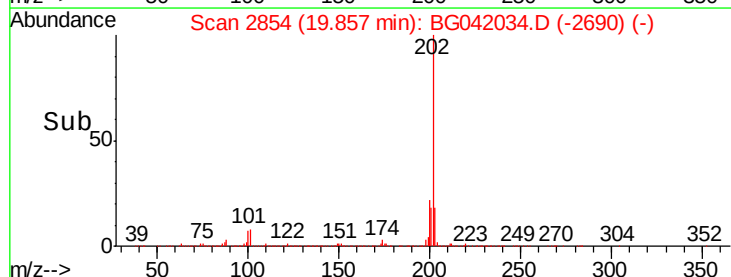
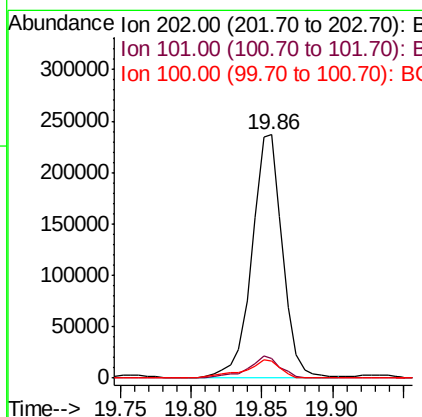
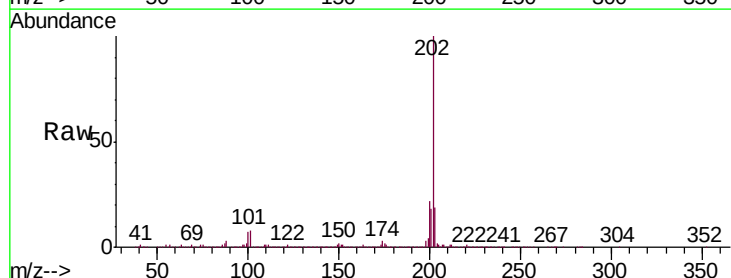
Instrument :
 BNA_G
 ClientSampleId :
 BENR5

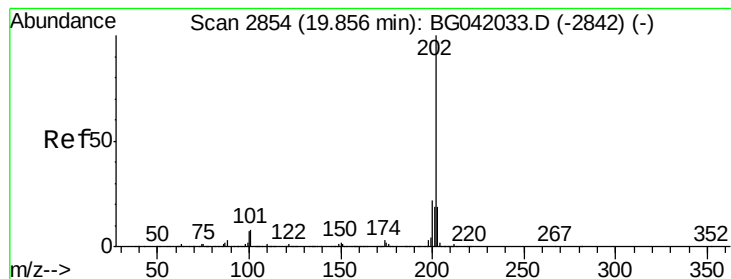
Tgt Ion:178 Resp: 29360
 Ion Ratio Lower Upper
 178 100
 179 15.5 13.4 20.0
 176 20.8 15.4 23.2



#76
 Fluoranthene
 Concen: 13.716 ng/ul
 RT: 19.86 min Scan# 2854
 Delta R.T. 0.37 min
 Lab File: BG042034.D
 Acq: 7 Aug 2019 16:56

Tgt Ion:202 Resp: 357771
 Ion Ratio Lower Upper
 202 100
 101 8.0 6.7 10.1
 100 6.8 5.3 7.9





#79

Pyrene

Concen: 13.516 ng/ul

RT: 19.86 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG042034.D

Acq: 7 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

BENR5

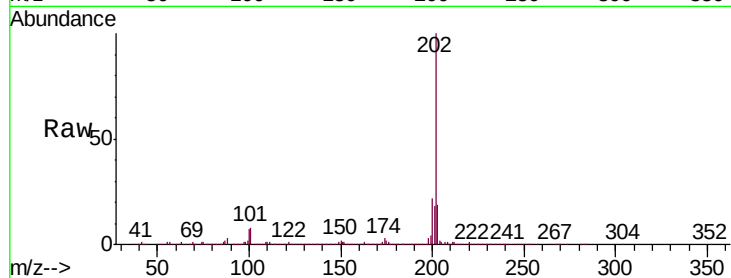
Tgt Ion:202 Resp: 357771

Ion Ratio Lower Upper

202 100

101 8.0 7.6 11.4

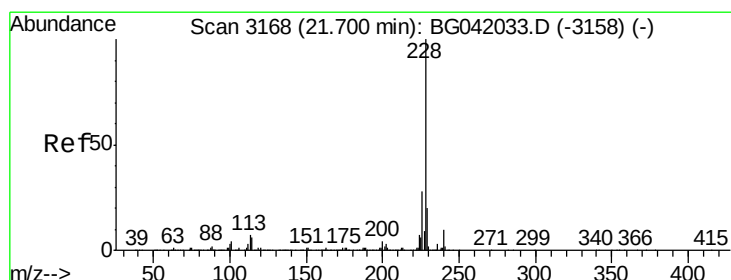
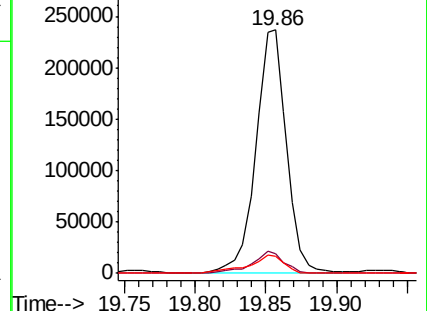
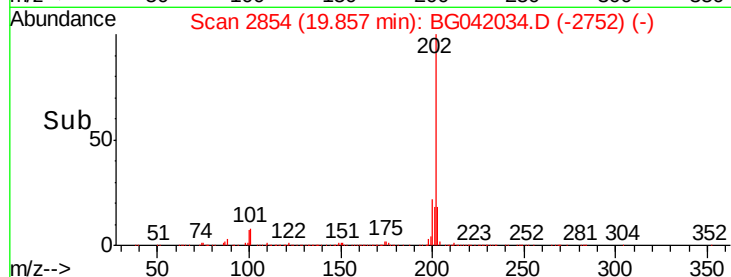
100 6.8 6.5 9.7



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: 8.382 ng/ul

RT: 21.70 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG042034.D

Acq: 7 Aug 2019 16:56

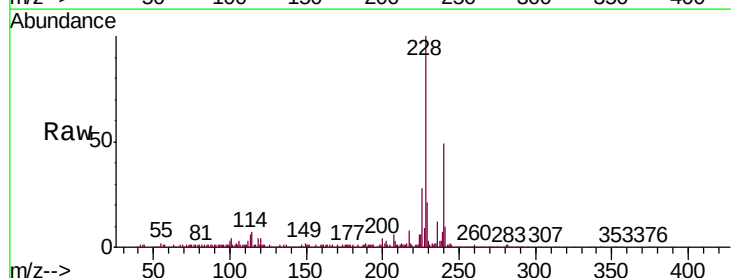
Tgt Ion:228 Resp: 228703

Ion Ratio Lower Upper

228 100

229 20.9 17.0 25.6

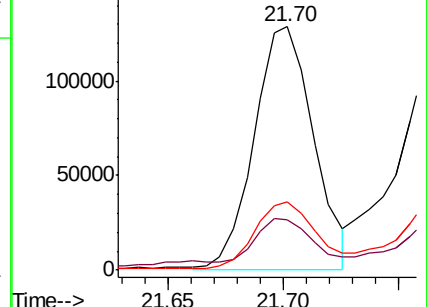
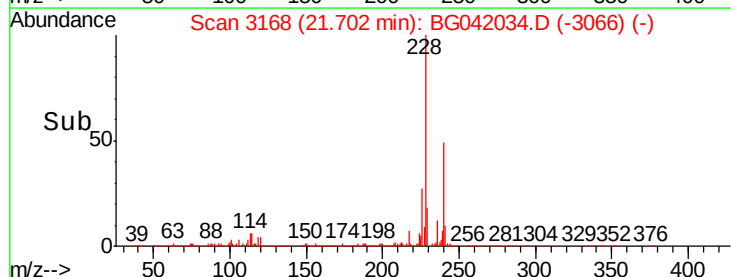
226 28.0 23.3 34.9

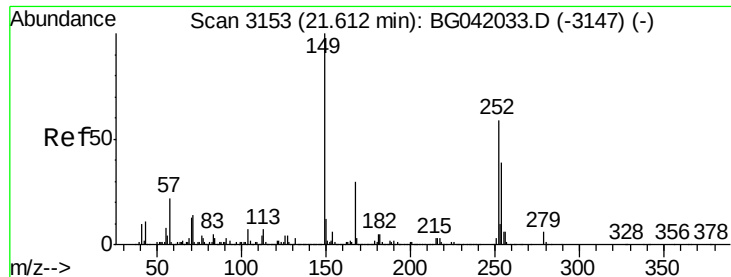


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 46.446 ng/ul

RT: 21.61 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG042034.D

Acq: 7 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

BENR5

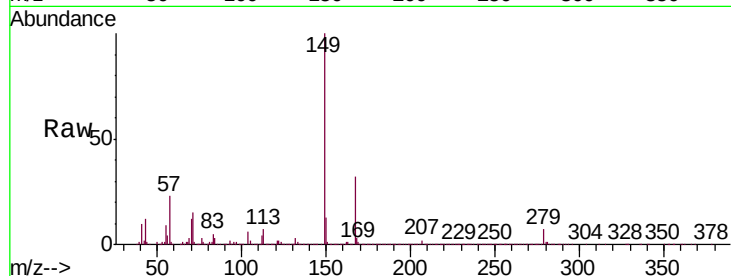
Tgt Ion:149 Resp: 660272

Ion Ratio Lower Upper

149 100

167 32.0 25.0 37.4

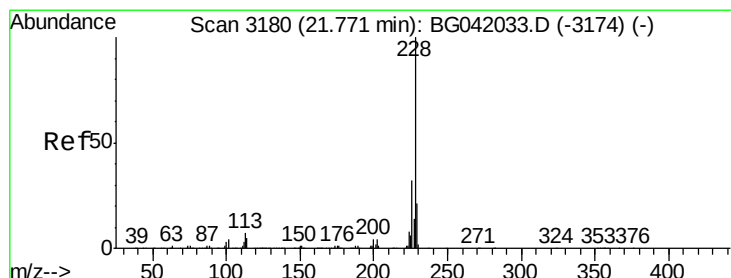
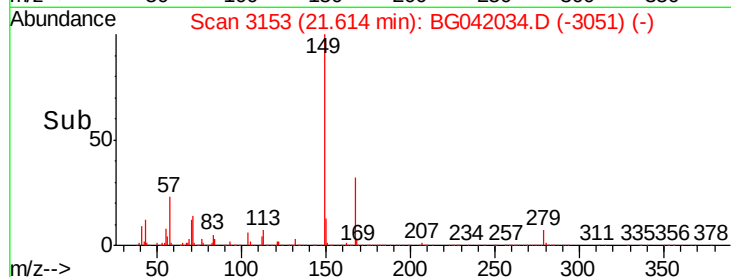
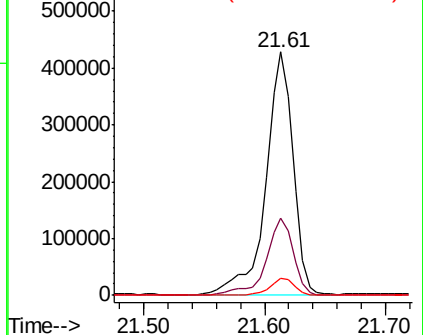
279 7.0 5.2 7.8



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: 9.504 ng/ul

RT: 21.77 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BG042034.D

Acq: 7 Aug 2019 16:56

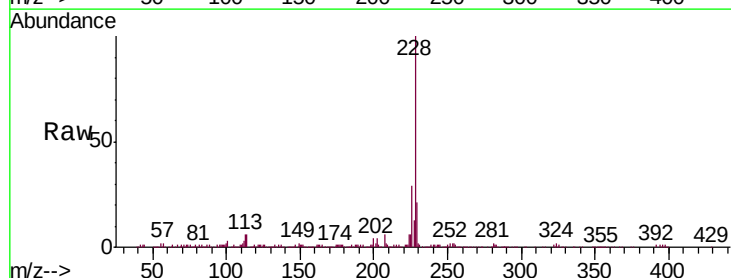
Tgt Ion:228 Resp: 242028

Ion Ratio Lower Upper

228 100

226 28.8 25.7 38.5

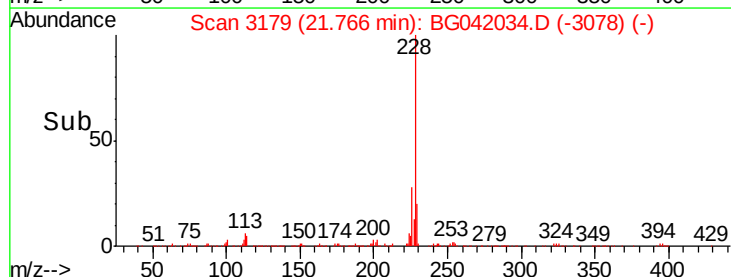
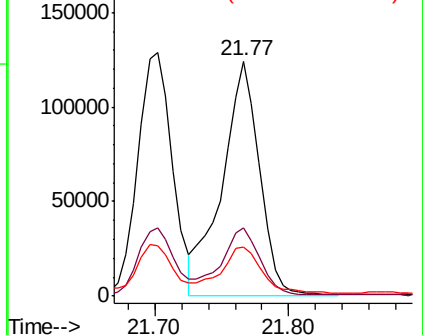
229 20.9 16.6 24.8

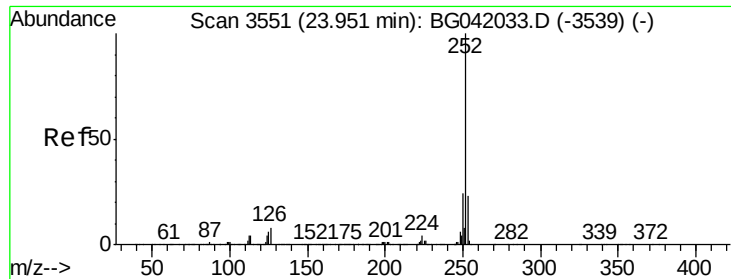


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 8.651 ng/ul

RT: 23.95 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BG042034.D

Acq: 7 Aug 2019 16:56

Instrument :

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BENR5

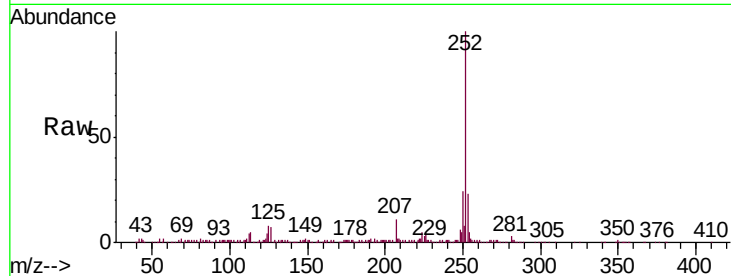
Tgt Ion:252 Resp: 256573

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

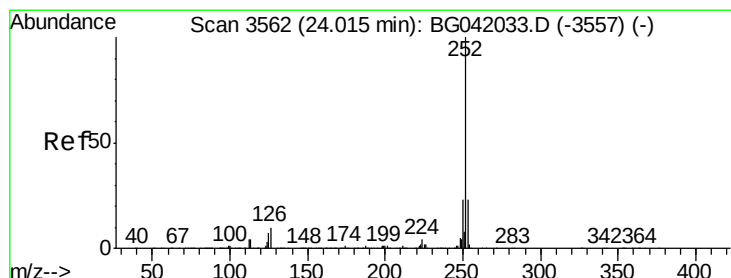
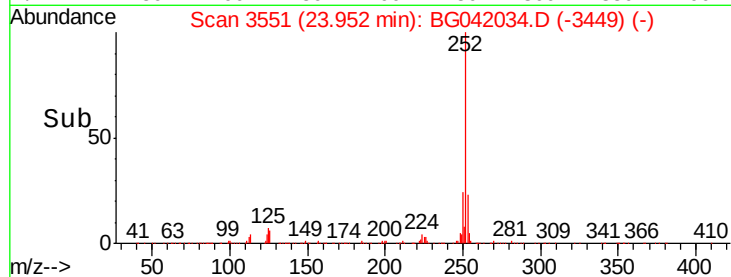
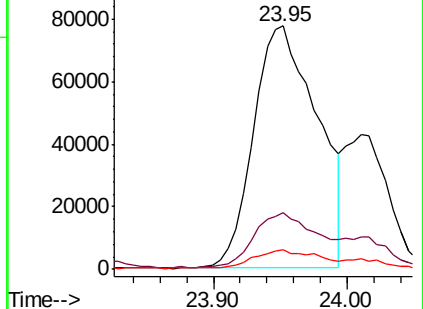
125 7.8 5.8 8.8



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: 8.997 ng/ul

RT: 23.95 min Scan# 3551

Delta R.T. -0.06 min

Lab File: BG042034.D

Acq: 7 Aug 2019 16:56

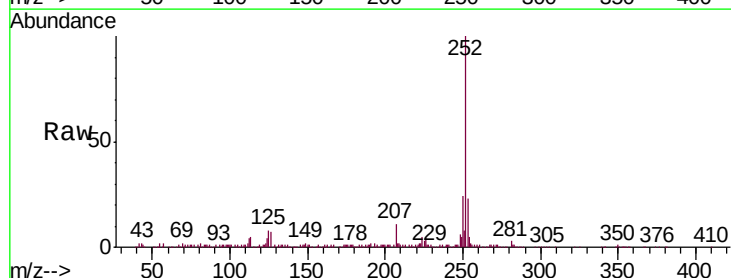
Tgt Ion:252 Resp: 256573

Ion Ratio Lower Upper

252 100

253 23.1 18.3 27.5

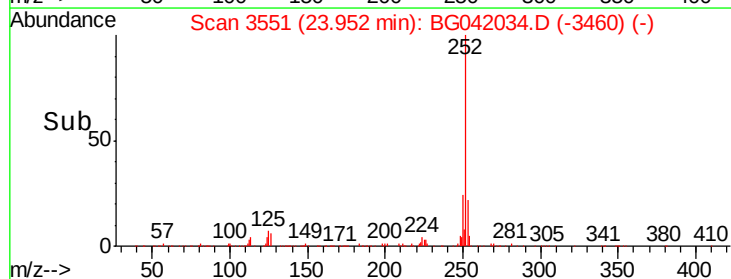
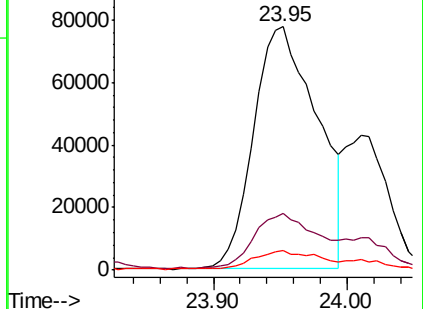
125 7.8 5.5 8.3

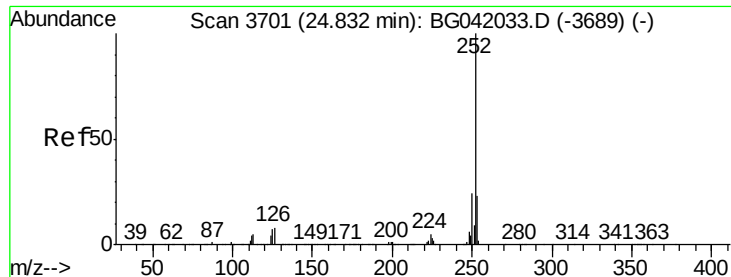


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 7.918 ng/ul

RT: 24.83 min Scan# 3701

Delta R.T. 0.00 min

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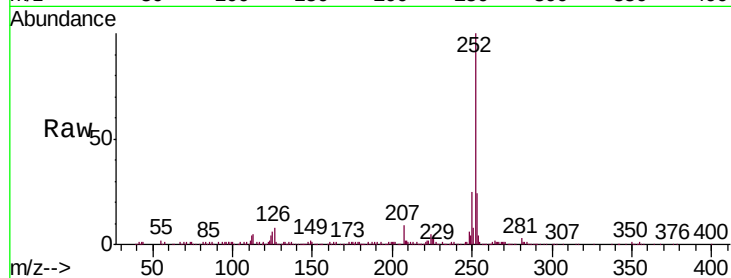
Tgt Ion:252 Resp: 223779

Ion Ratio Lower Upper

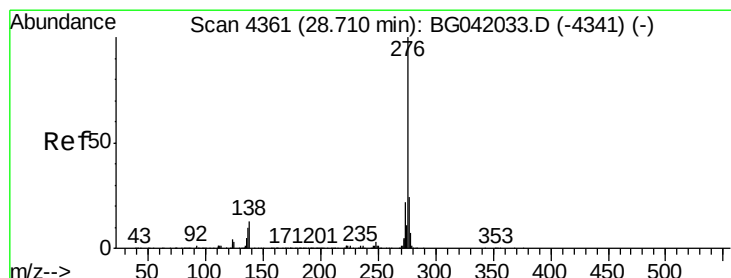
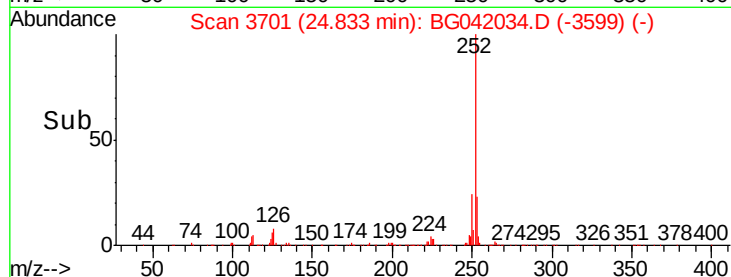
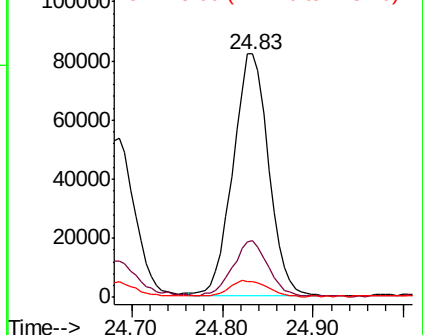
252 100

253 23.5 18.3 27.5

125 6.3 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: 4.010 ng/ul

RT: 28.70 min Scan# 4359

Delta R.T. -0.01 min

Lab File: BG042034.D

Acq: 7 Aug 2019 16:56

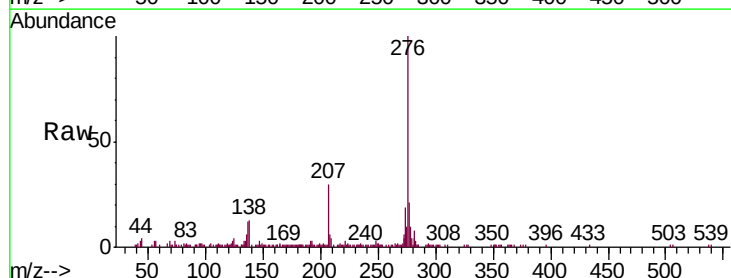
Tgt Ion:276 Resp: 132201

Ion Ratio Lower Upper

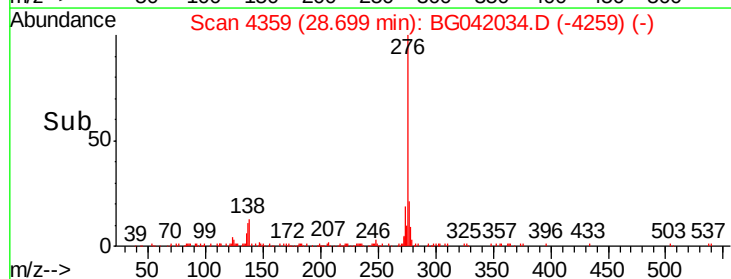
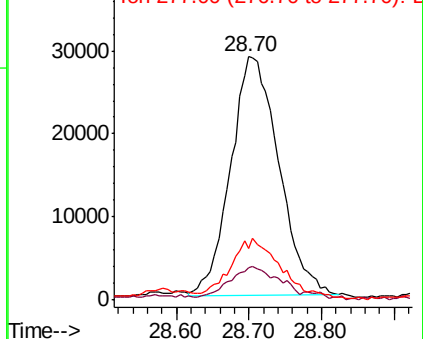
276 100

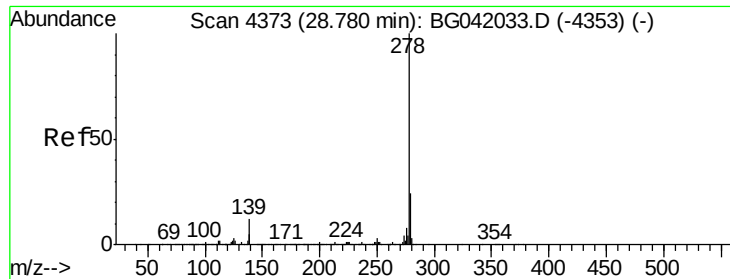
138 13.4 12.0 18.0

277 21.4 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





#92

Dibenzo(a,h)anthracene

Concen: 1.295 ng/ul

RT: 28.75 min Scan# 4368

Delta R.T. -0.03 min

Lab File: BG042034.D

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BENR5

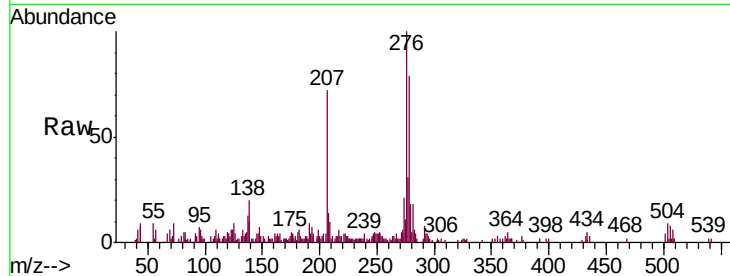
Tgt Ion:278 Resp: 34809

Ion Ratio Lower Upper

278 100

139 13.1 9.4 14.0

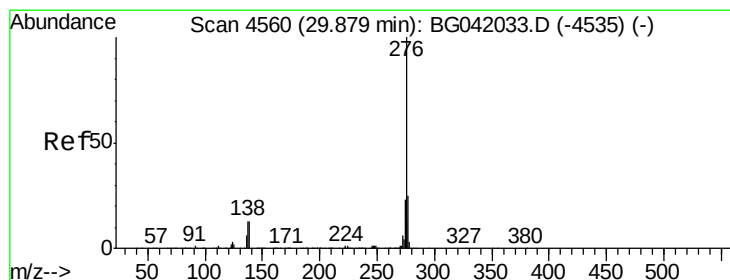
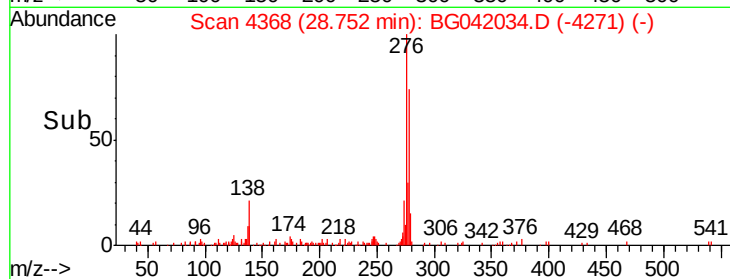
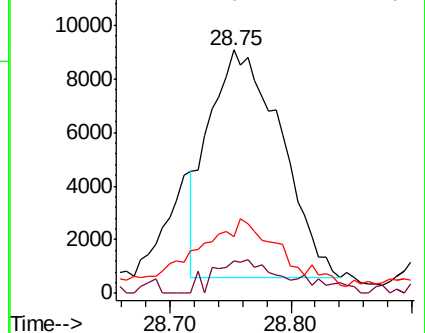
279 23.3 19.2 28.8



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: 4.684 ng/ul

RT: 29.86 min Scan# 4556

Delta R.T. -0.02 min

Lab File: BG042034.D

Acq: 7 Aug 2019 16:56

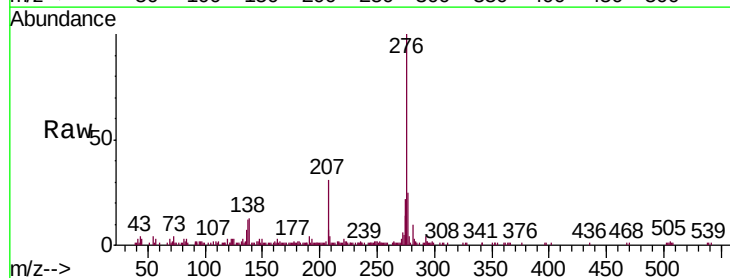
Tgt Ion:276 Resp: 128902

Ion Ratio Lower Upper

276 100

138 12.9 12.6 18.8

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

