

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
 Data File : BG042024.D
 Acq On : 7 Aug 2019 10:30
 Operator : HP/JU
 Sample : K4028-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 07 12:03:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 07 12:00:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	76392	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	325926	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	242180	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	587778	20.00	ng/ul	0.09
77) Chrysene-d12	21.72	240	483567	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	585315	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	4864	2.79	ng/uL	0.00
5) Phenol-d5	7.18	99	119261	19.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	63126	18.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	110465	21.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	105239	20.91	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	55260	22.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	67145	23.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	133583	23.23	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	116678	18.28	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	421843	22.46	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	491898	22.93	ng/ul	0.00
51) 4-Nitrophenol-d4	14.87	143	52070	16.51	ng/ul	0.00
57) Fluorene-d10	15.68	176	380710	22.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.87	200	713	0.19	ng/ul	0.07
70) Anthracene-d10	17.54	188	587778	20.84	ng/ul	0.00
78) Pyrene-d10	19.83	212	647127	23.98	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	739214	24.18	ng/ul	0.00

Target Compounds

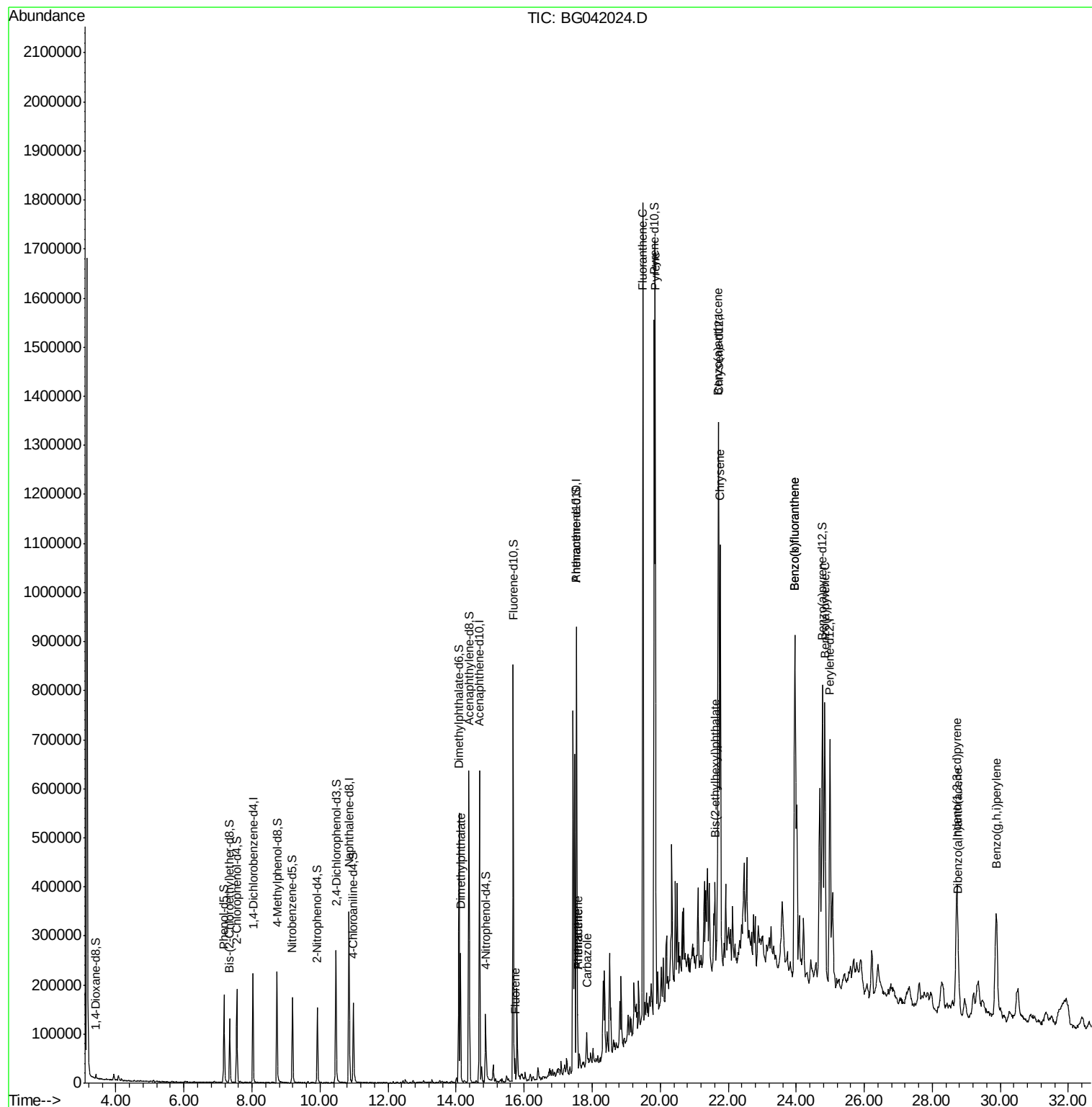
					Ovalue
44) Dimethylphthalate	14.13	163	201788	10.820	ng/ul 98
58) Fluorene	15.74	166	18472	1.015	ng/ul 98
69) Phenanthrene	17.57	178	78672	2.445	ng/ul 98
71) Anthracene	17.57	178	78672	2.411	ng/ul 97
74) Carbazole	17.84	167	48225	1.784	ng/ul 98
76) Fluoranthene	19.49	202	1127566	30.328	ng/ul 98
79) Pyrene	19.86	202	1027494	31.588	ng/ul 98
82) Benzo(a)anthracene	21.70	228	601836	17.950	ng/ul 99
83) Bis(2-ethylhexyl)phthalate	21.61	149	89274	5.110	ng/ul 100
84) Chrysene	21.77	228	666194	21.289	ng/ul 97
87) Benzo(b)fluoranthene	23.96	252	935452	25.467	ng/ul 98
88) Benzo(k)fluoranthene	23.96	252	935452	26.487	ng/ul 98
90) Benzo(a)pyrene	24.84	252	651920	18.625	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	28.72	276	485921	11.902	ng/ul 98
92) Dibenzo(a,h)anthracene	28.76	278	114534	3.439	ng/ul 95
93) Benzo(g,h,i)perylene	29.87	276	245548	7.204	ng/ul 98

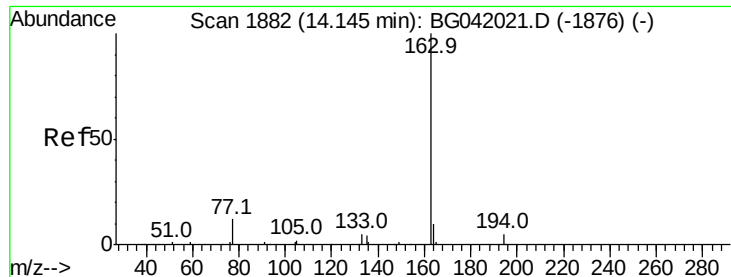
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 07 12:00:36 2019
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 10.820 ng/ul

RT: 14.13 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

Instrument :

BNA_G

ClientSampleId :

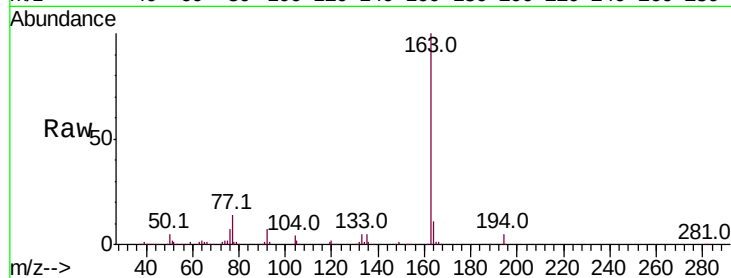
Tot Ion:163 Resp: 201788

Ion Ratio Lower Upper

163 100

194 5.1 4.2 6.2

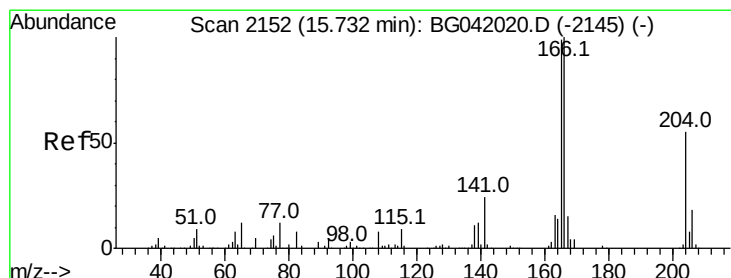
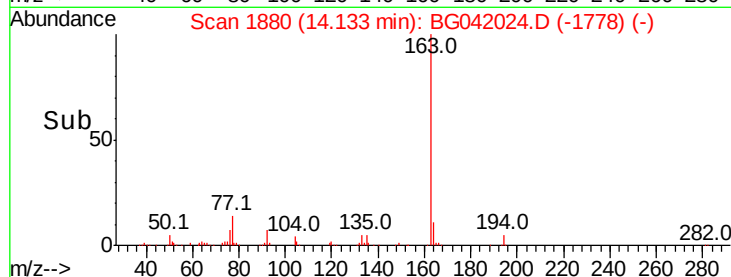
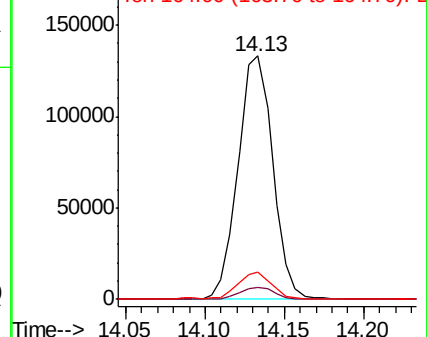
164 11.1 7.8 11.8



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



#58

Fluorene

Concen: 1.015 ng/ul

RT: 15.74 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

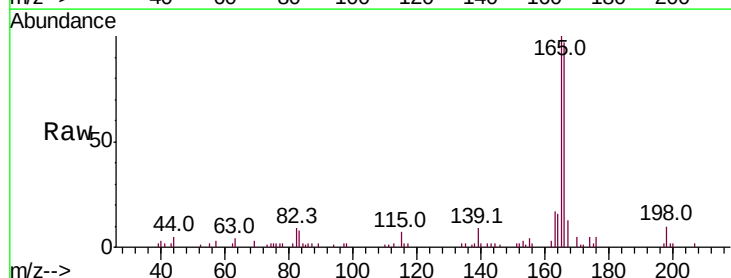
Tgt Ion:166 Resp: 18472

Ion Ratio Lower Upper

166 100

165 103.4 81.1 121.7

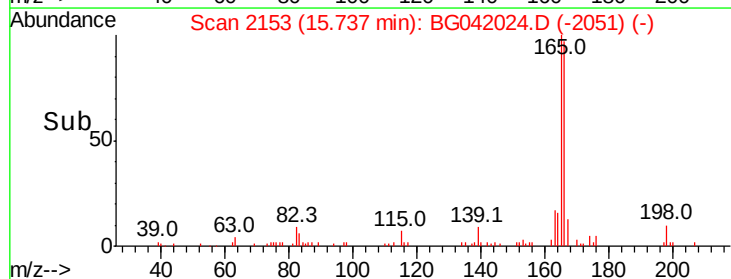
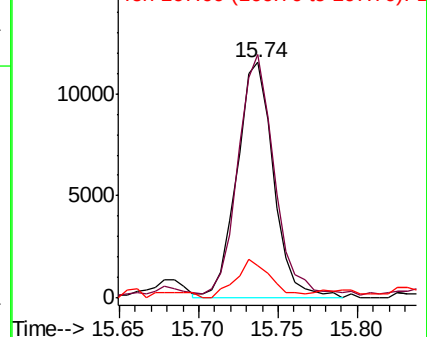
167 13.9 11.0 16.4

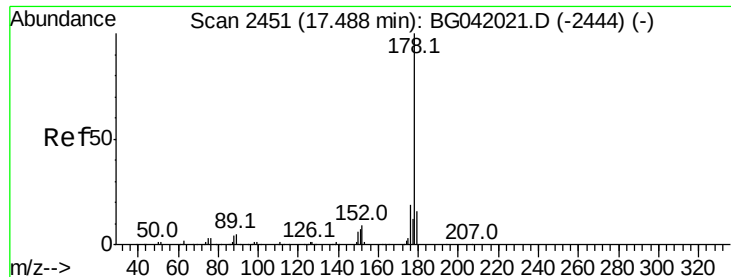


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 2.445 ng/ul

RT: 17.57 min Scan# 2465

Delta R.T. 0.09 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

Instrument :

BNA_G

ClientSampleId :

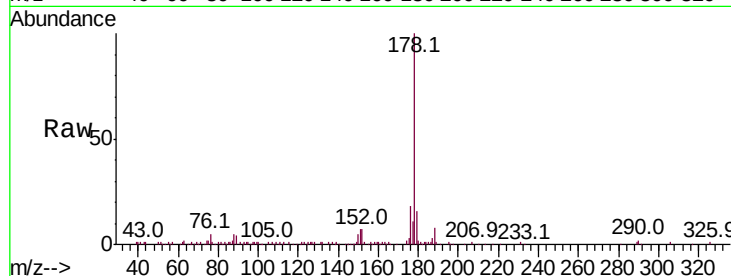
Tot Ion:178 Resp: 78672

Ion Ratio Lower Upper

178 100

179 16.0 12.8 19.2

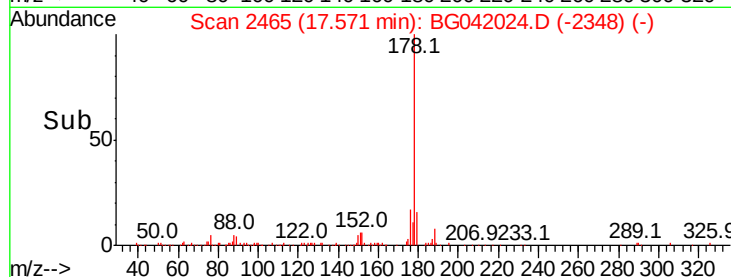
176 17.6 15.4 23.2



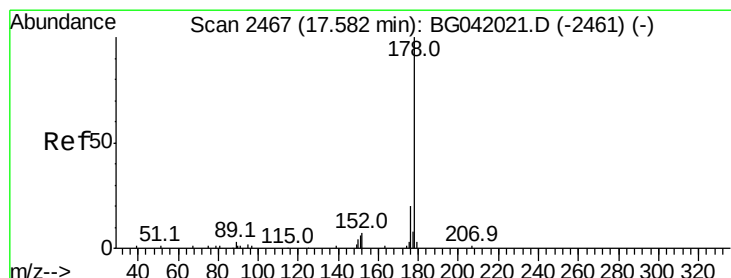
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#71

Anthracene

Concen: 2.411 ng/ul

RT: 17.57 min Scan# 2465

Delta R.T. 0.00 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

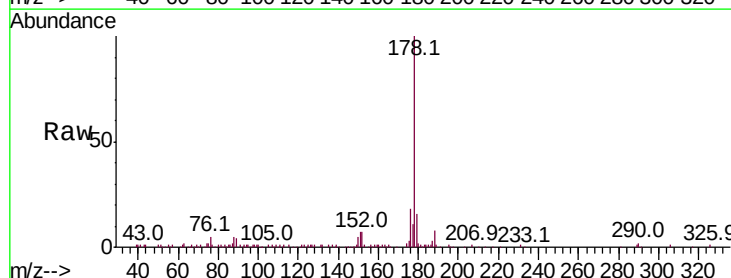
Tgt Ion:178 Resp: 78672

Ion Ratio Lower Upper

178 100

179 16.0 13.4 20.0

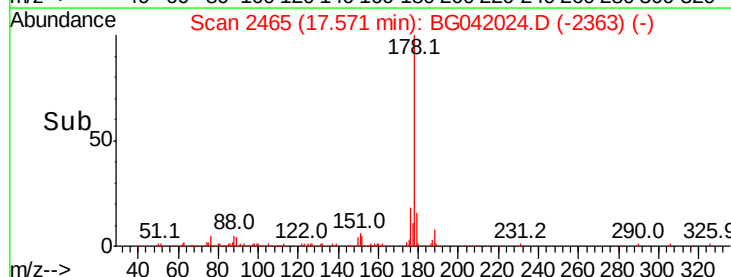
176 17.6 15.4 23.2



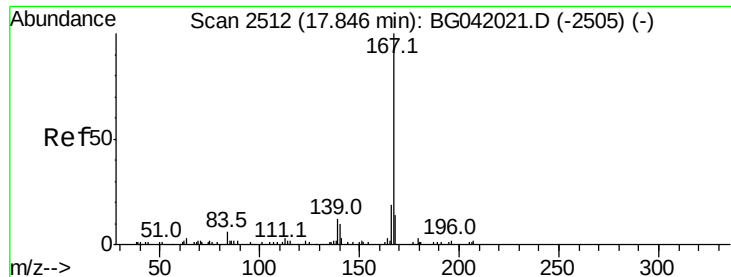
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#74

Carbazole

Concen: 1.784 ng/ul

RT: 17.84 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

Instrument :

BNA_G

ClientSampleId :

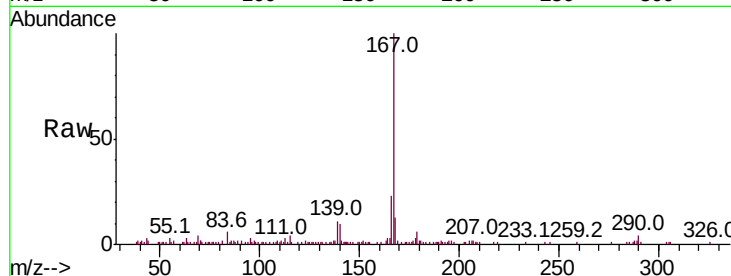
Tot Ion:167 Resp: 48225

Ion Ratio Lower Upper

167 100

166 23.4 18.2 27.4

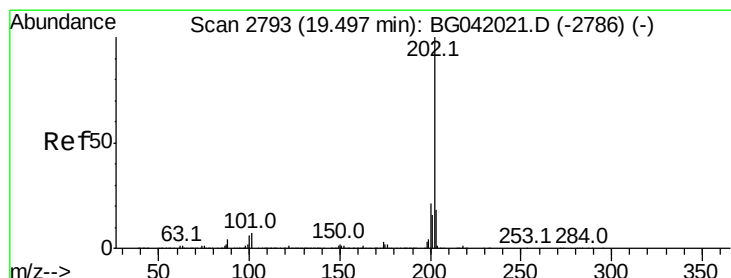
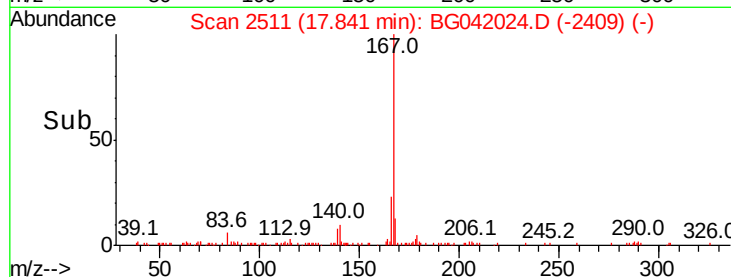
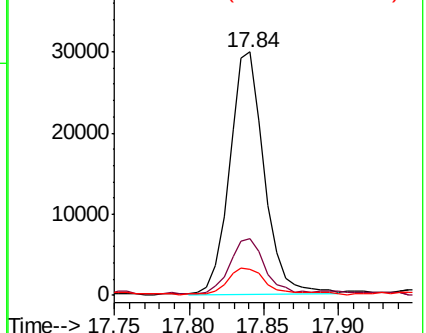
139 10.9 9.6 14.4



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: 30.328 ng/ul

RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

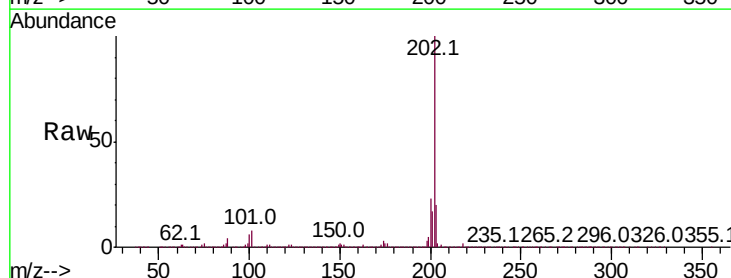
Tgt Ion:202 Resp: 1127566

Ion Ratio Lower Upper

202 100

101 7.8 6.7 10.1

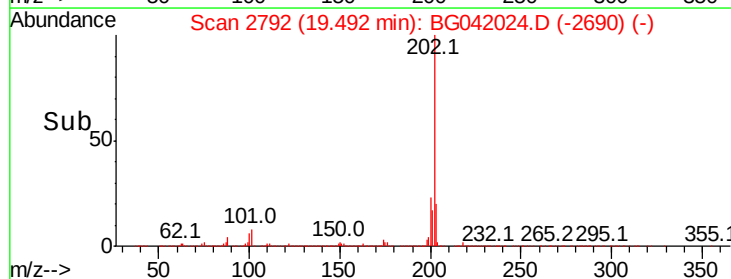
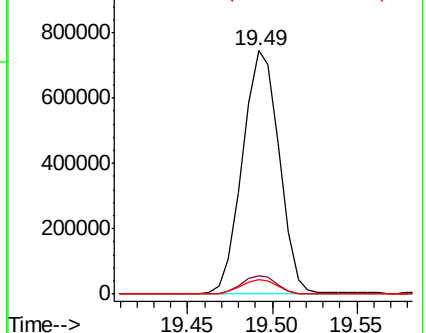
100 6.1 5.3 7.9

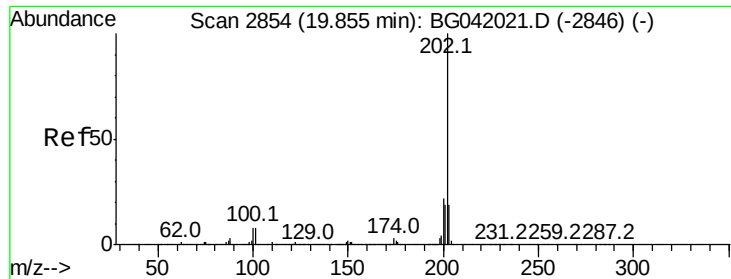


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



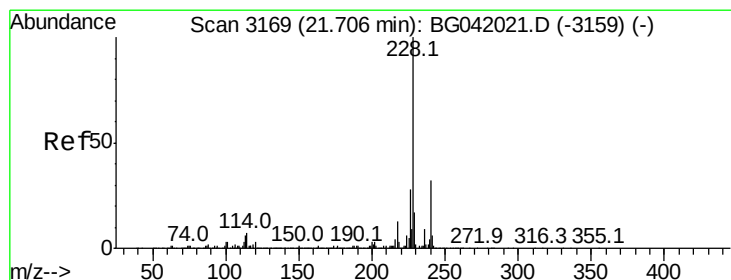
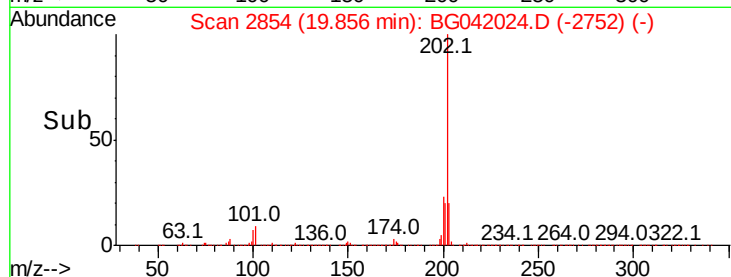
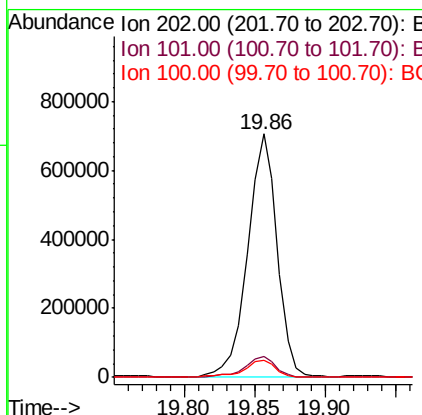
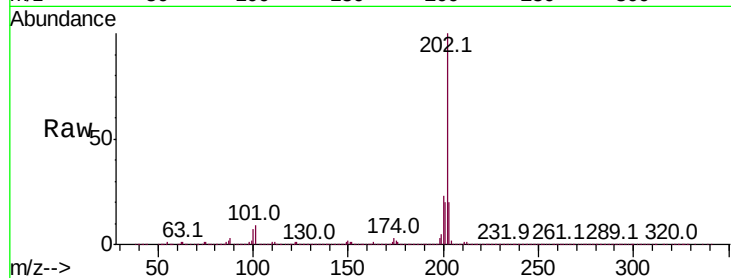


#79
 Pvrene
 Concen: 31.588 ng/ul
 RT: 19.86 min Scan# 2854
 Delta R.T. 0.00 min
 Lab File: BG042024.D
 Acq: 7 Aug 2019 10:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:202 Resp: 1027494

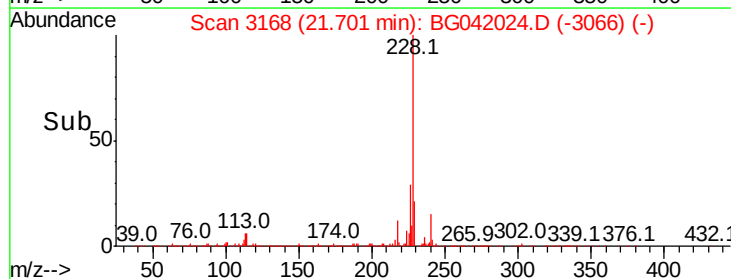
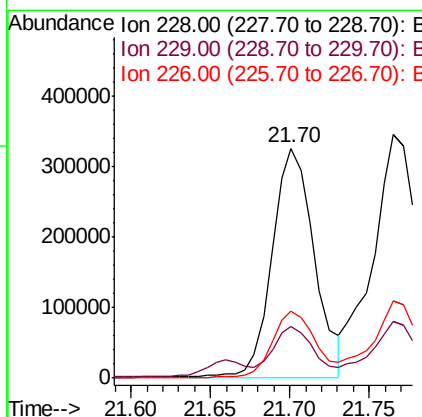
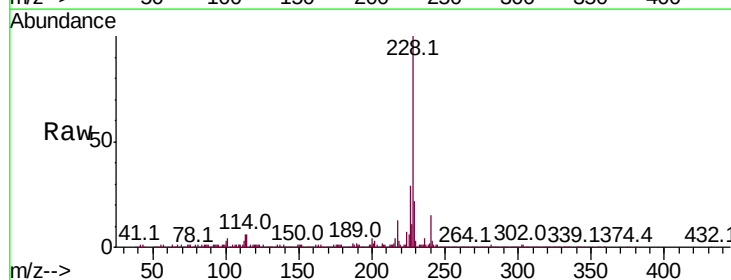
Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.6	11.4
100	7.3	6.5	9.7

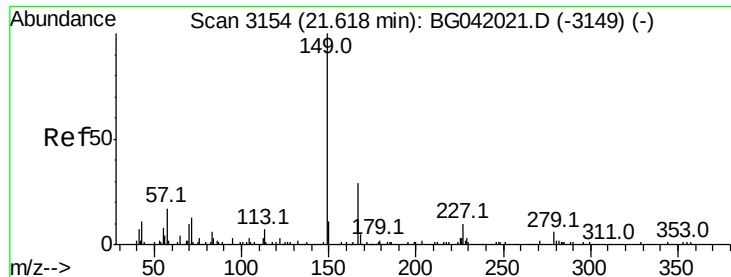


#82
 Benzo(a)anthracene
 Concen: 17.950 ng/ul
 RT: 21.70 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: BG042024.D
 Acq: 7 Aug 2019 10:30

Tgt Ion:228 Resp: 601836

Ion	Ratio	Lower	Upper
228	100		
229	22.4	17.0	25.6
226	29.2	23.3	34.9





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.110 ng/ul

RT: 21.61 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

Instrument :

BNA_G

ClientSampleId :

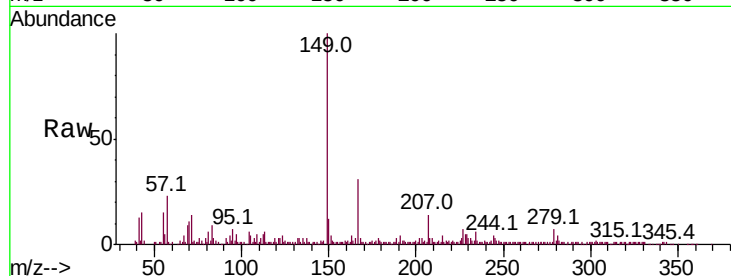
Tot Ion:149 Resp: 89274

Ion Ratio Lower Upper

149 100

167 31.0 25.0 37.4

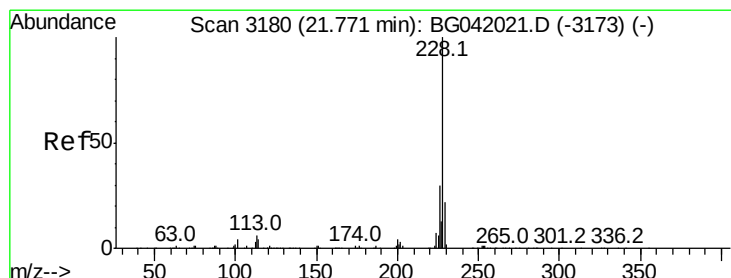
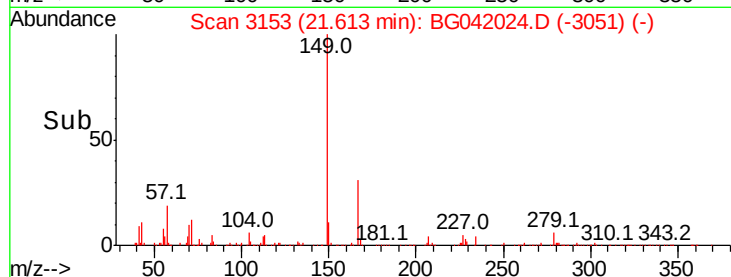
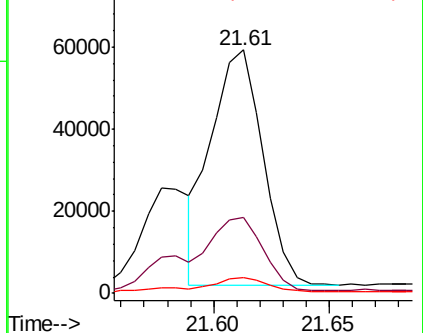
279 6.6 5.2 7.8



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: 21.289 ng/ul

RT: 21.77 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

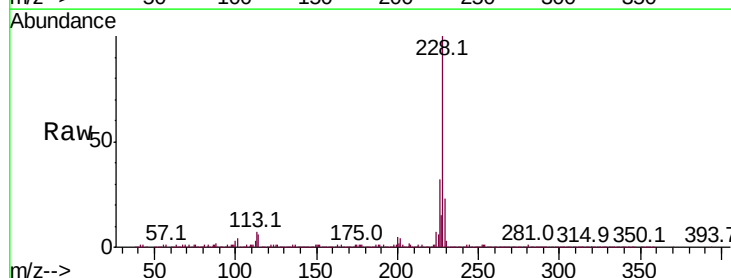
Tgt Ion:228 Resp: 666194

Ion Ratio Lower Upper

228 100

226 31.6 25.7 38.5

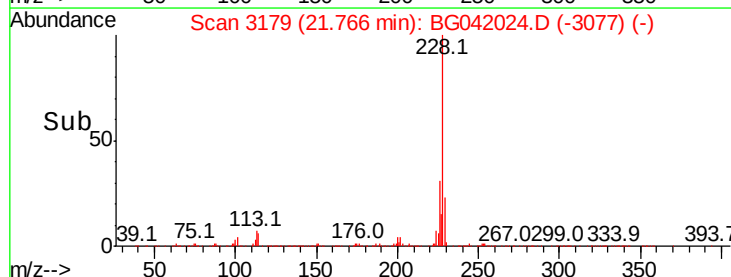
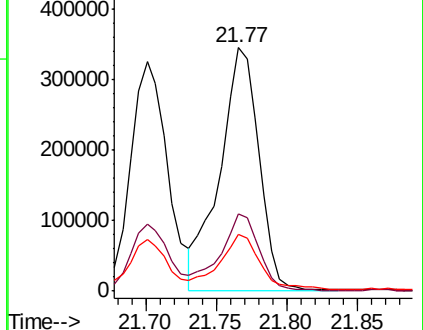
229 23.4 16.6 24.8

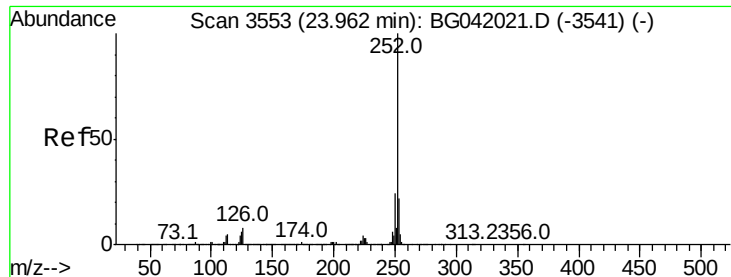


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 25.467 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

Instrument :

BNA_G

ClientSampleId :

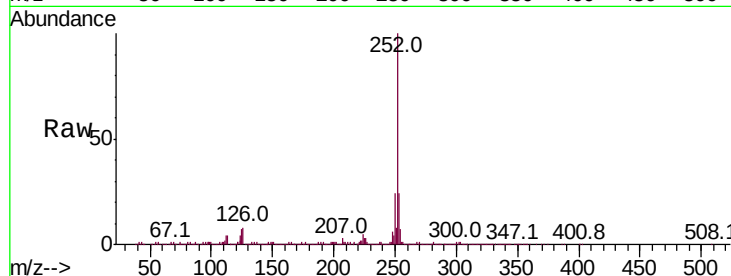
Tot Ion:252 Resp: 935452

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

125 7.0 5.8 8.8

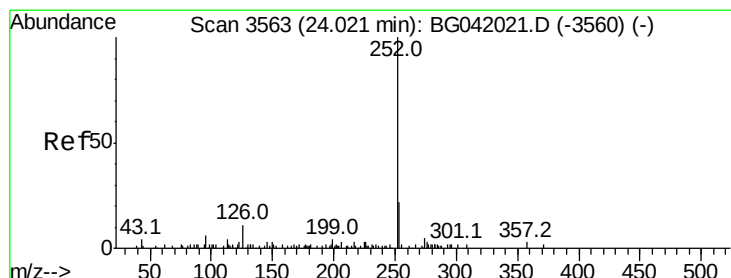
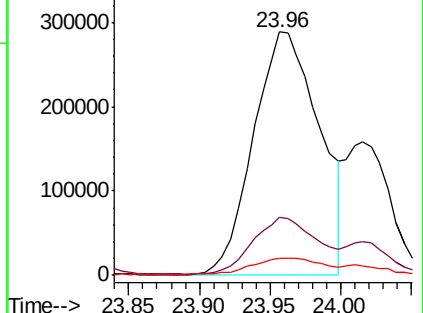
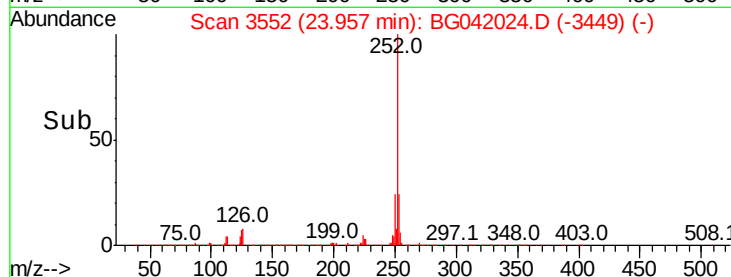


Abundance

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: 26.487 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. -0.06 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

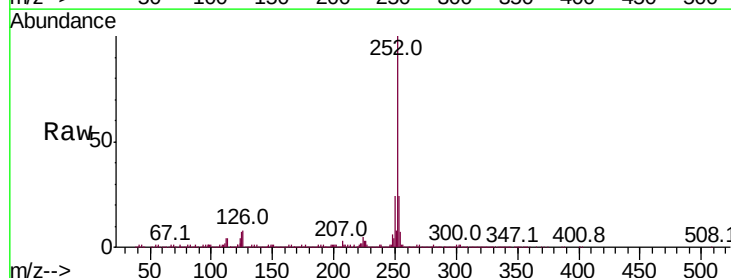
Tgt Ion:252 Resp: 935452

Ion Ratio Lower Upper

252 100

253 23.9 18.3 27.5

125 7.0 5.5 8.3

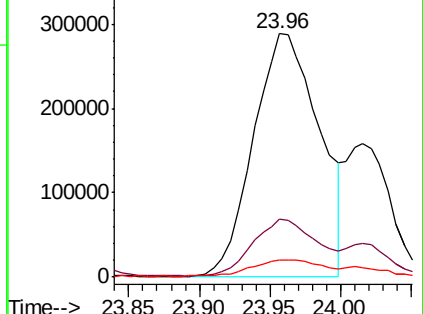
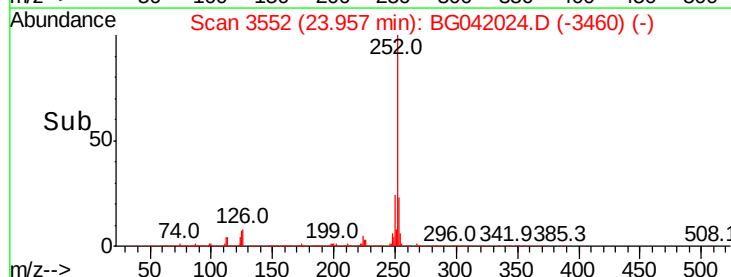


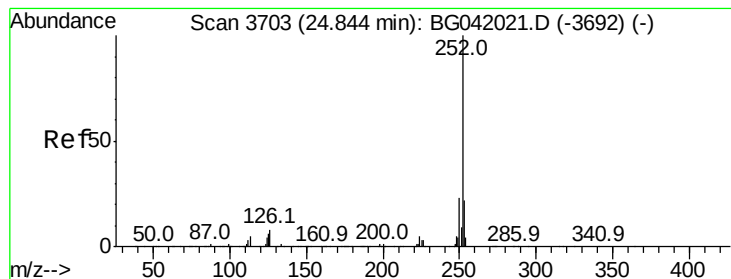
Abundance

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: 18.625 ng/ul

RT: 24.84 min Scan# 3702

Delta R.T. 0.01 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

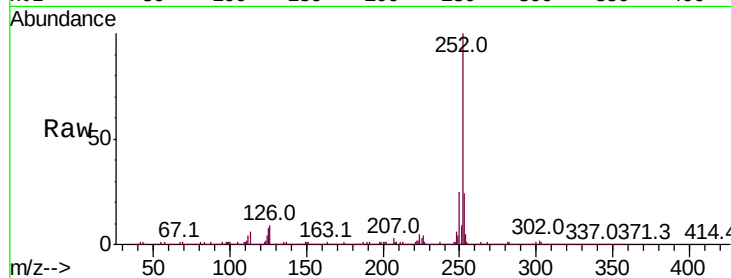
Instrument :

BNA_G

ClientSampleId :

Tot Ion:252 Resp: 651920

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.3	27.5
125	7.6	6.5	9.7

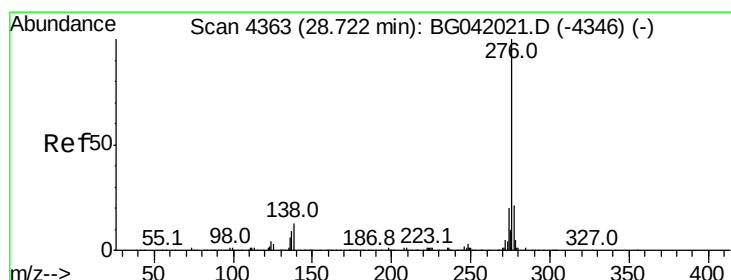
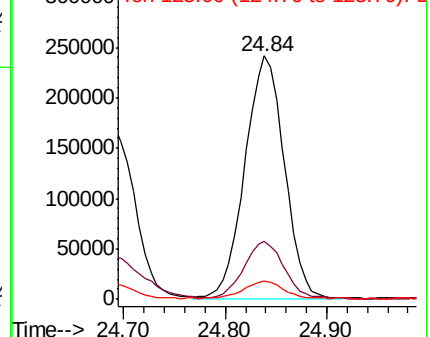
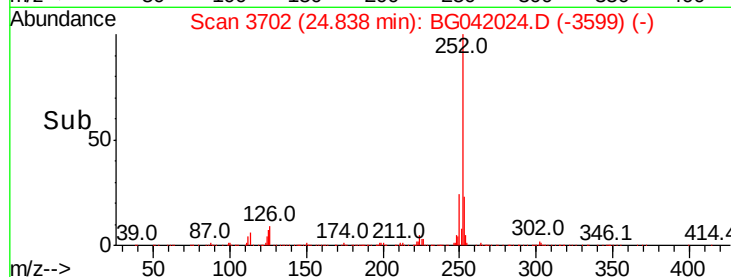


Abundance

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: 11.902 ng/ul

RT: 28.72 min Scan# 4363

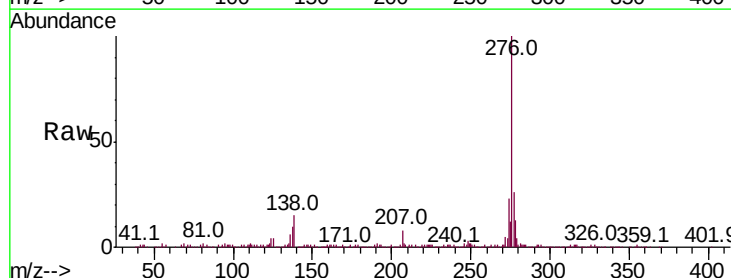
Delta R.T. 0.01 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

Tgt Ion:276 Resp: 485921

Ion	Ratio	Lower	Upper
276	100		
138	14.8	12.0	18.0
277	25.8	19.2	28.8

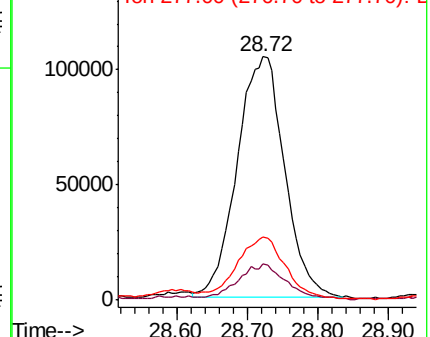
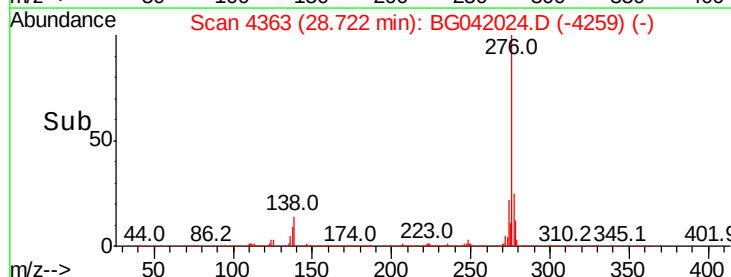


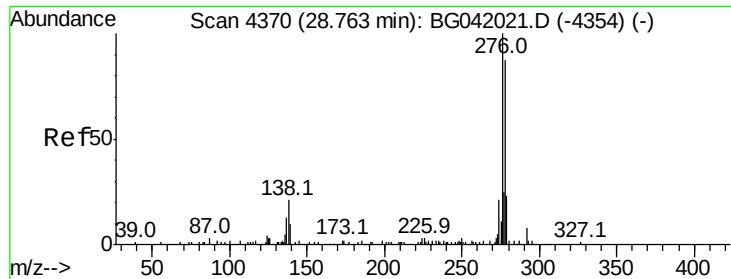
Abundance

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





#92

Dibenzo(a,h)anthracene

Concen: 3.439 ng/ul

RT: 28.76 min Scan# 4370

Delta R.T. -0.01 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

Instrument :

BNA_G

ClientSampleId :

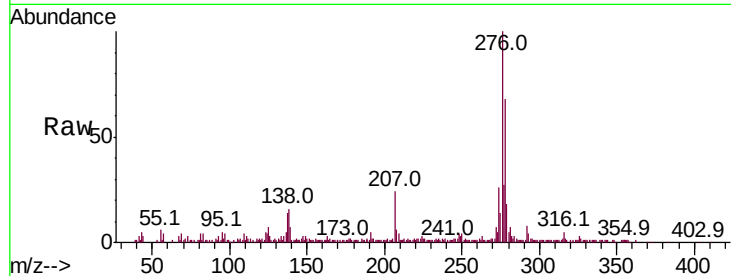
Tot Ion:278 Resp: 114534

Ion Ratio Lower Upper

278 100

139 10.5 9.4 14.0

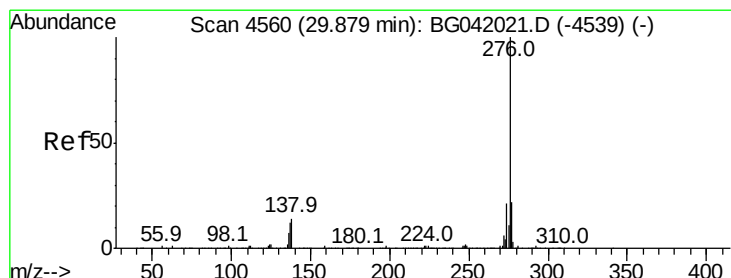
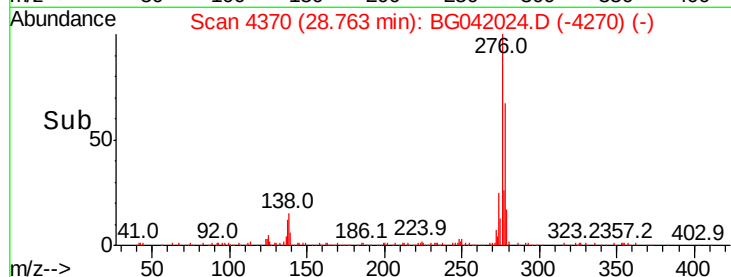
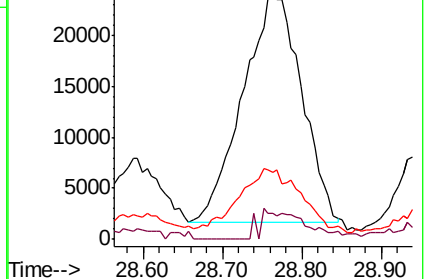
279 27.3 19.2 28.8



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: 7.204 ng/ul

RT: 29.87 min Scan# 4559

Delta R.T. 0.00 min

Lab File: BG042024.D

Acq: 7 Aug 2019 10:30

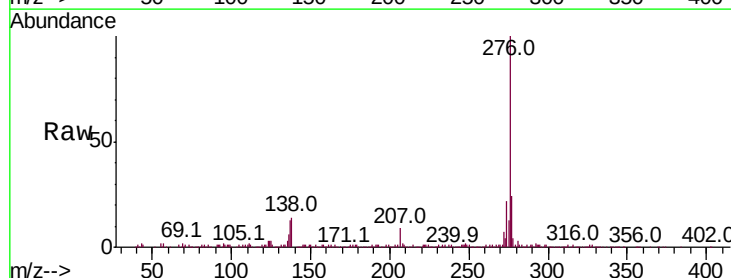
Tgt Ion:276 Resp: 245548

Ion Ratio Lower Upper

276 100

138 13.6 12.6 18.8

277 23.6 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

