

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046384.D
 Acq On : 20 Aug 2020 18:35
 Operator : CG/JU
 Sample : L3634-12
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 00:38:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 21 00:37:00 2020
 Response via : Initial Calibration

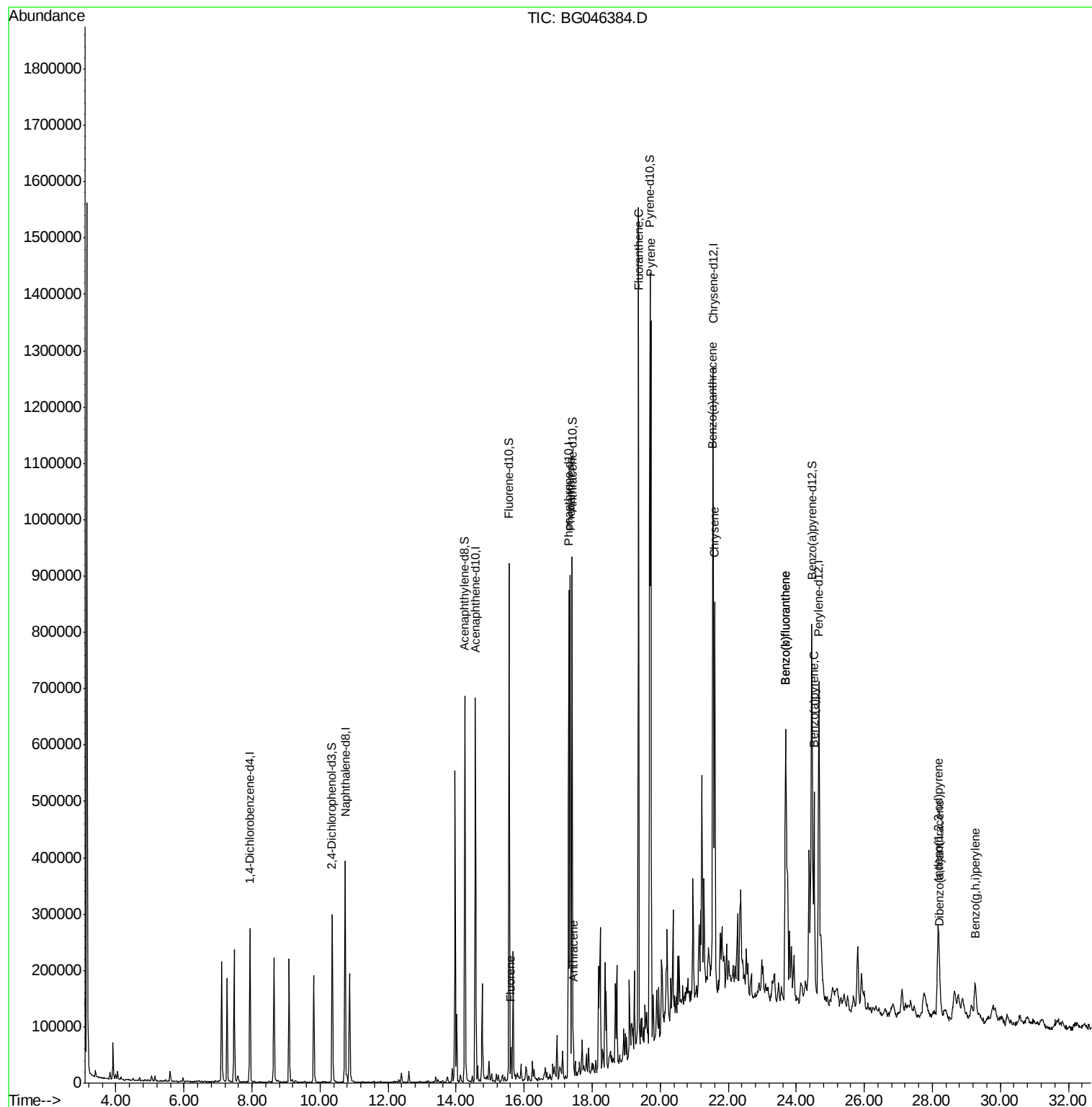
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	84758	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	353874	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	242802	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	550024	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	548630	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	580739	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.35	165	133203	21.86	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	512854	22.95	ng/ul	0.00
10) Fluorene-d10	15.56	176	395795	23.12	ng/ul	0.00
15) Anthracene-d10	17.41	188	556527	21.83	ng/ul	0.00
19) Pyrene-d10	19.70	212	665639	23.57	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	740597	23.37	ng/ul	0.00
Target Compounds				Qvalue		
11) Fluorene	15.61	166	20371	1.074	ng/ul#	92
14) Phenanthrene	17.35	178	571896	18.900	ng/ul	99
16) Anthracene	17.44	178	55656	1.823	ng/ul	99
17) Fluoranthene	19.36	202	914438	27.102	ng/ul	100
20) Pyrene	19.73	202	827027	22.965	ng/ul	97
21) Benzo(a)anthracene	21.54	228	382323	10.711	ng/ul	99
22) Chrysene	21.60	228	480941	13.937	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	613265	15.969	ng/ul	96
25) Benzo(k)fluoranthene	23.69	252	613265	16.098	ng/ul	97
27) Benzo(a)pyrene	24.52	252	380345	10.788	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.18	276	286202	6.483	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	71311	1.992	ng/ul	93
30) Benzo(a,h,i)perylene	29.26	276	132678	3.591	ng/ul	98

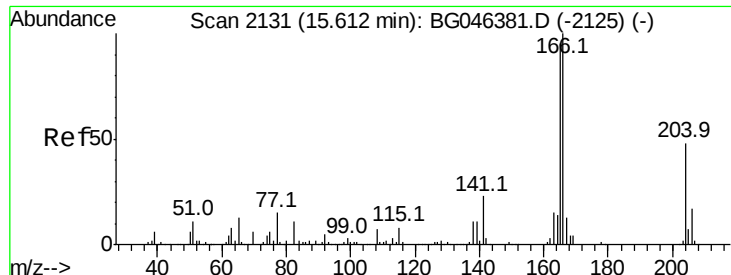
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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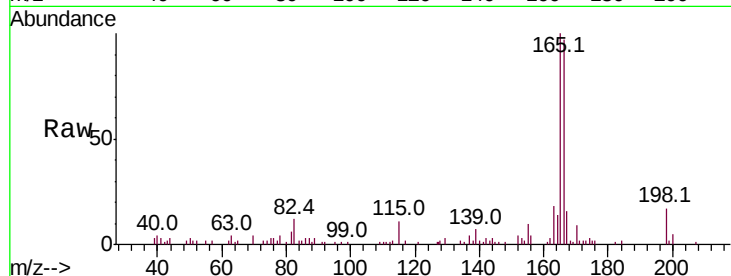




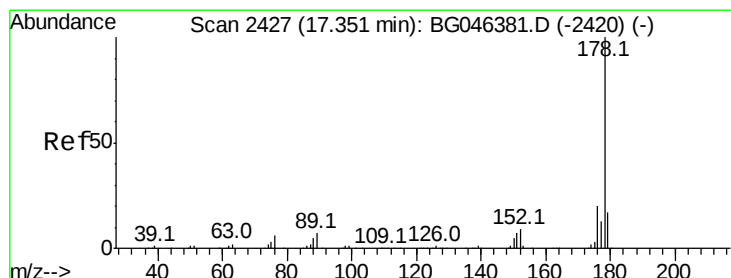
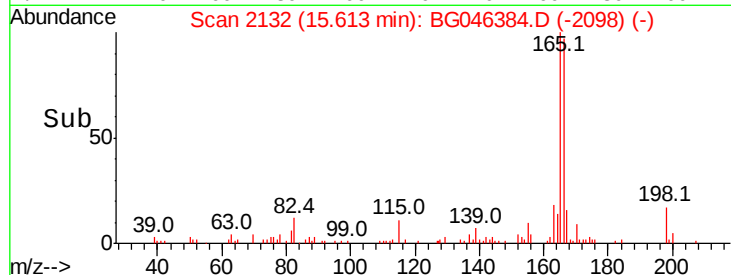
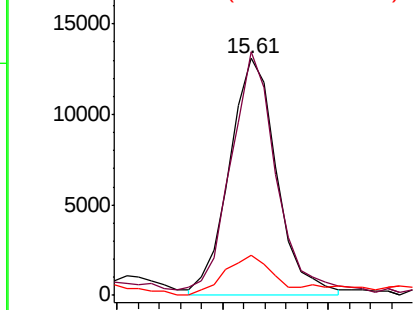
#11
Fluorene
 Concen: 1.074 ng/ul
 RT: 15.61 min Scan# 2132
 Delta R.T. 0.00 min
 Lab File: BG046384.D
 Acq: 20 Aug 2020 18:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:166 Resp: 20371
 Ion Ratio Lower Upper
 166 100
 165 102.9 75.9 113.9
 167 16.8 10.7 16.1#

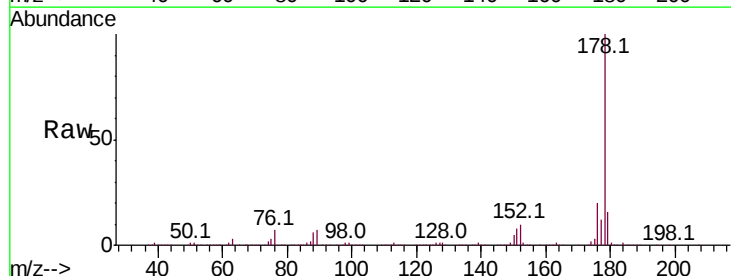


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

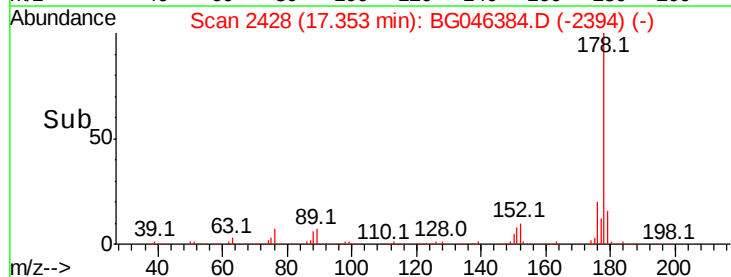
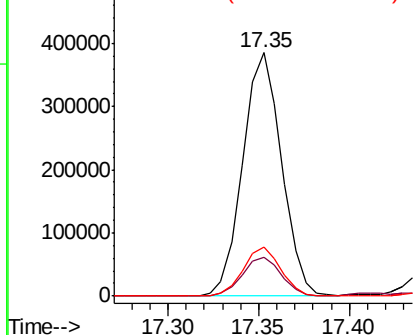


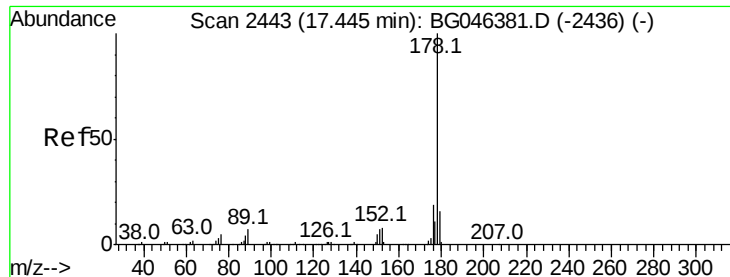
#14
Phenanthrene
 Concen: 18.900 ng/ul
 RT: 17.35 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG046384.D
 Acq: 20 Aug 2020 18:35

Tgt Ion:178 Resp: 571896
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.8 19.2
 176 20.2 15.8 23.8



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





#16

Anthracene

Concen: 1.823 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG046384.D

Acq: 20 Aug 2020 18:35

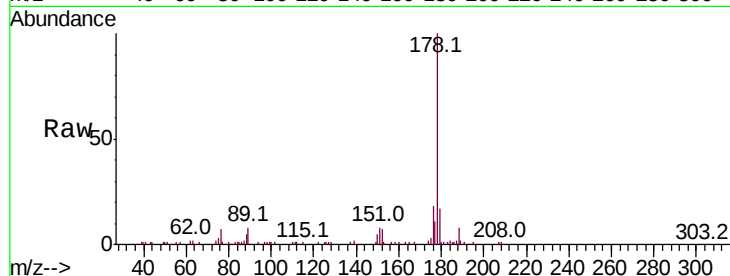
Instrument :

BNA_G

ClientSampled :

Tot Ion:178 Resp: 55656

Ion	Ratio	Lower	Upper
178	100		
179	16.5	13.2	19.8
176	18.4	15.2	22.8

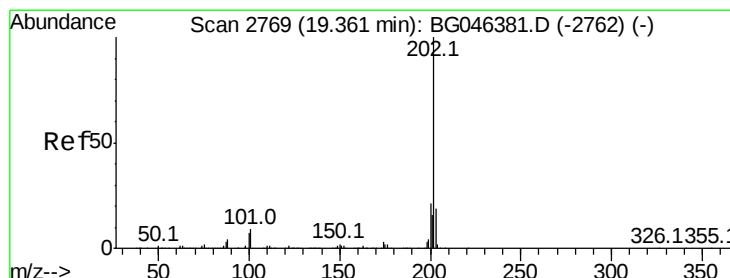
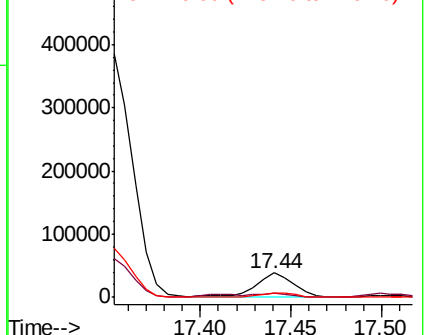
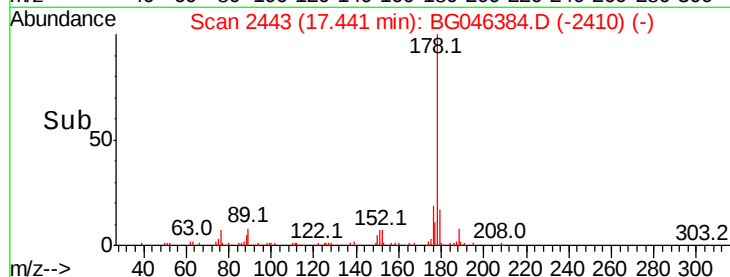


Abundance

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



#17

Fluoranthene

Concen: 27.102 ng/ul

RT: 19.36 min Scan# 2770

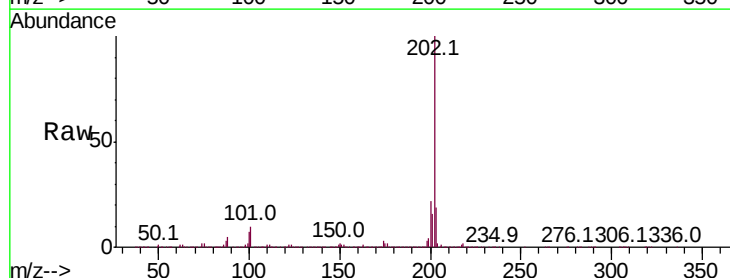
Delta R.T. 0.00 min

Lab File: BG046384.D

Acq: 20 Aug 2020 18:35

Tgt Ion:202 Resp: 914438

Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.8	11.6
100	7.5	5.9	8.9

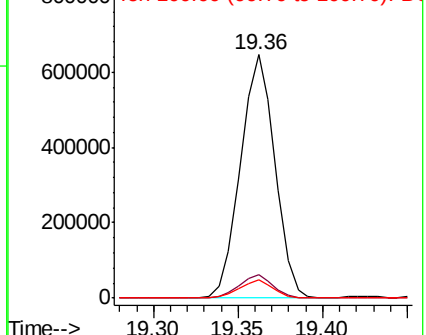
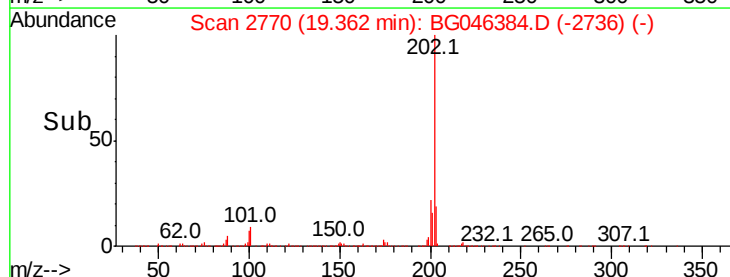


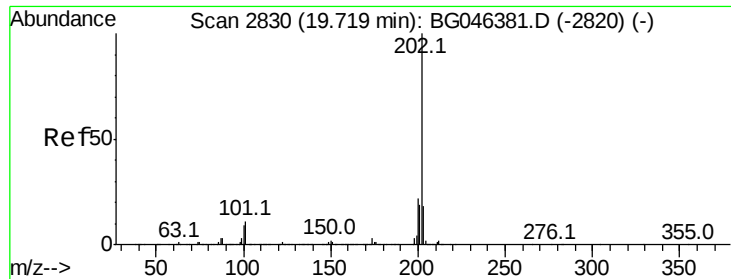
Abundance

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

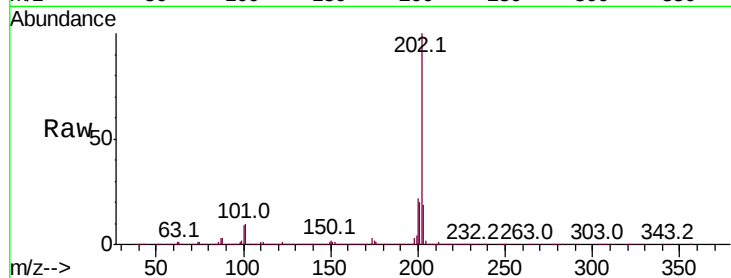




#20
Pvrene
Concen: 22.965 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.01 min
Lab File: BG046384.D
Acq: 20 Aug 2020 18:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.9	13.3
100	8.5	7.9	11.9

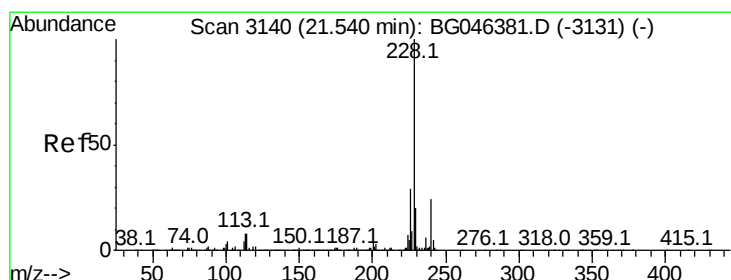
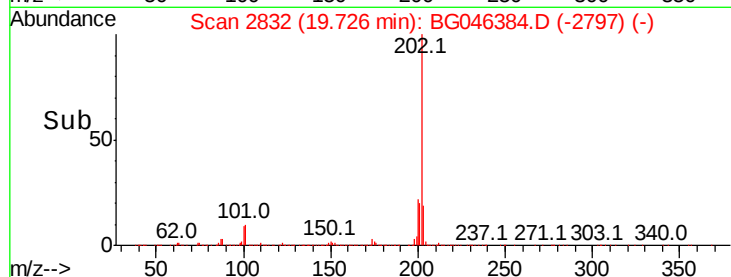
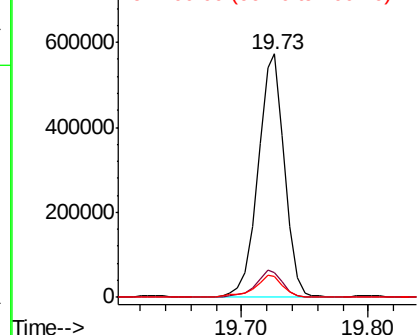


Abundance

Ion 202.00 (201.70 to 202.70): E

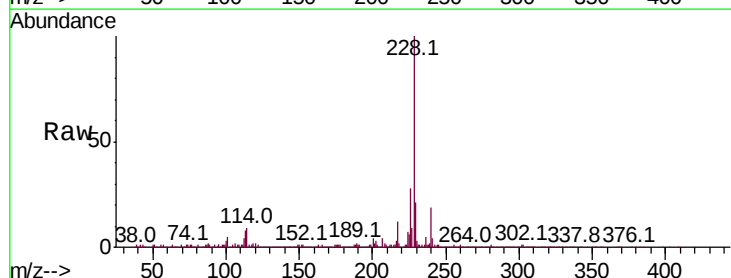
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#21
Benzo(a)anthracene
Concen: 10.711 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046384.D
Acq: 20 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	16.6	25.0
226	28.4	22.6	33.8

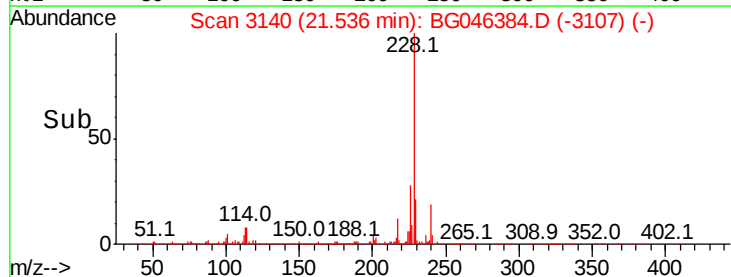
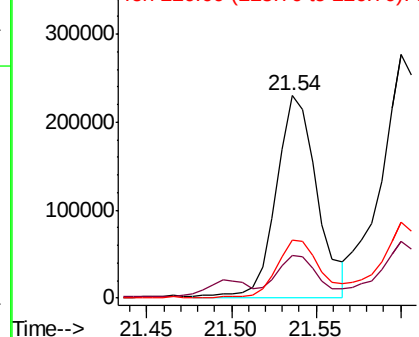


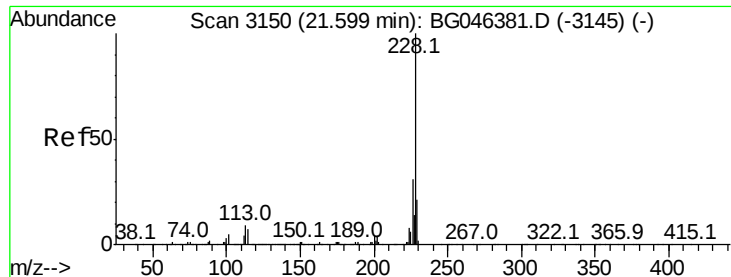
Abundance

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





#22

Chrysene

Concen: 13.937 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046384.D

Acq: 20 Aug 2020 18:35

Instrument :

BNA_G

ClientSampleId :

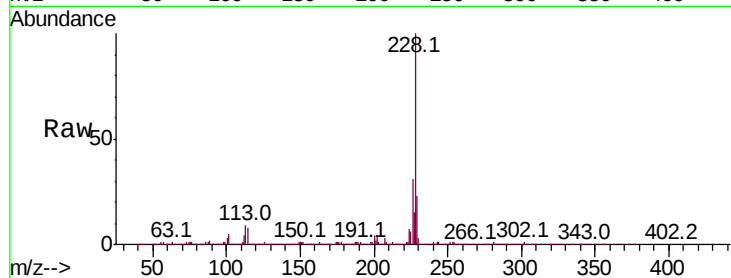
Tot Ion:228 Resp: 480941

Ion Ratio Lower Upper

228 100

226 31.4 25.5 38.3

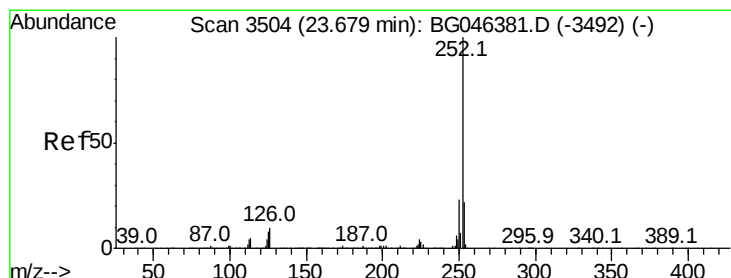
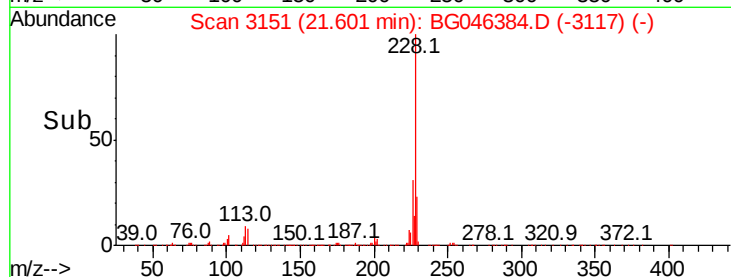
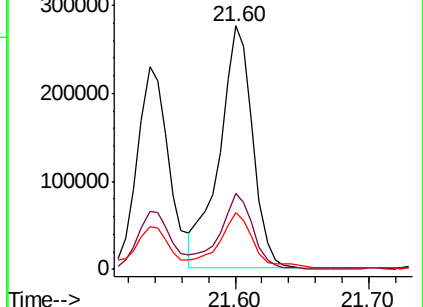
229 23.1 17.0 25.4



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



#24

Benzo(b)fluoranthene

Concen: 15.969 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.01 min

Lab File: BG046384.D

Acq: 20 Aug 2020 18:35

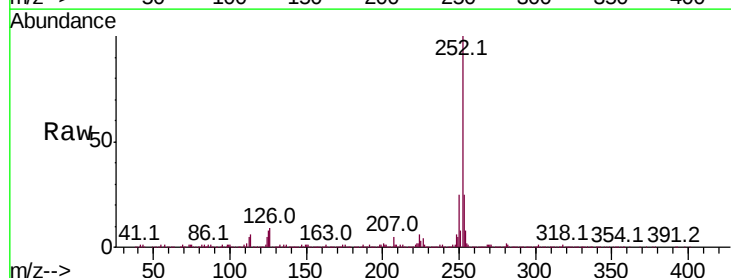
Tgt Ion:252 Resp: 613265

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

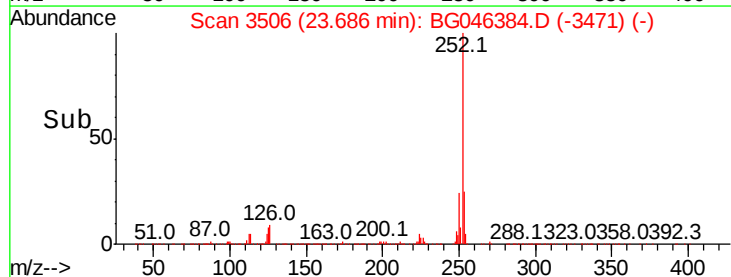
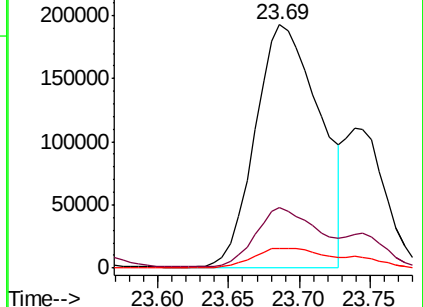
125 8.1 6.4 9.6

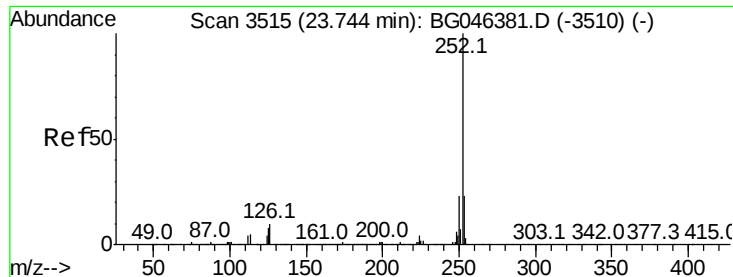


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 16.098 ng/u1

RT: 23.69 min Scan# 3506

Delta R.T. -0.06 min

Lab File: BG046384.D

Acq: 20 Aug 2020 18:35

Instrument :

BNA_G

ClientSampleId :

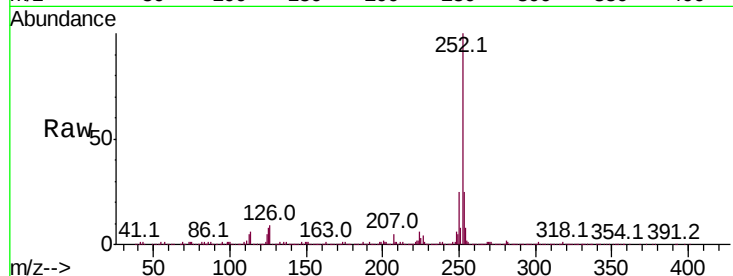
Tot Ion:252 Resp: 613265

Ion Ratio Lower Upper

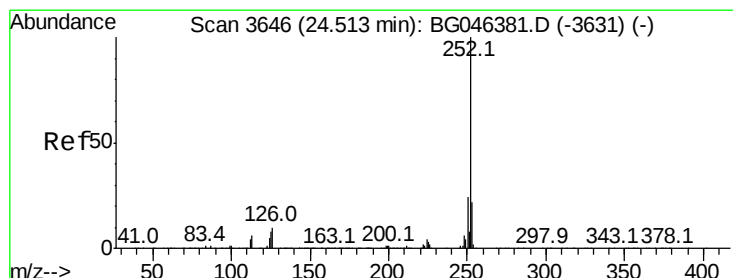
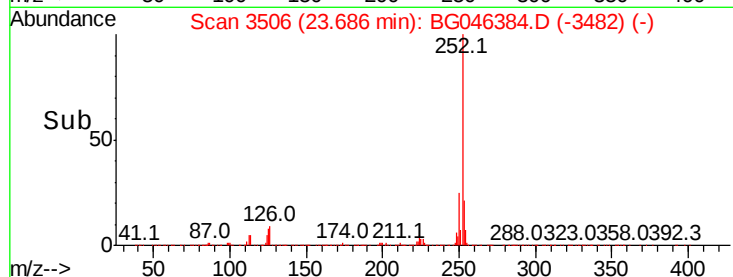
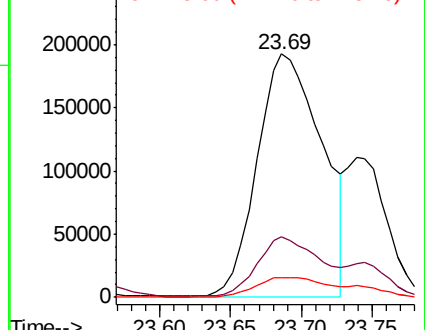
252 100

253 24.7 18.5 27.7

125 8.1 6.2 9.2



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



#27

Benzo(a)pyrene

Concen: 10.788 ng/u1

RT: 24.52 min Scan# 3648

Delta R.T. 0.01 min

Lab File: BG046384.D

Acq: 20 Aug 2020 18:35

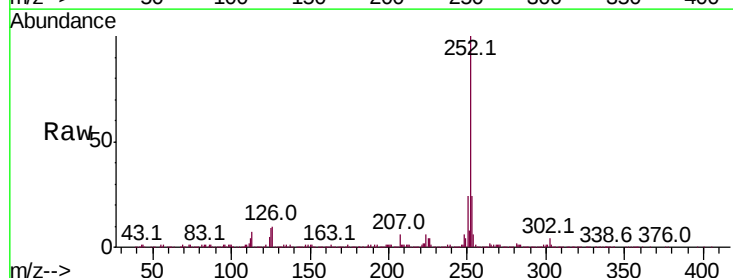
Tgt Ion:252 Resp: 380345

Ion Ratio Lower Upper

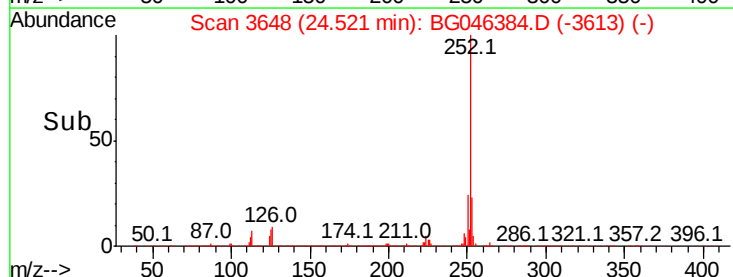
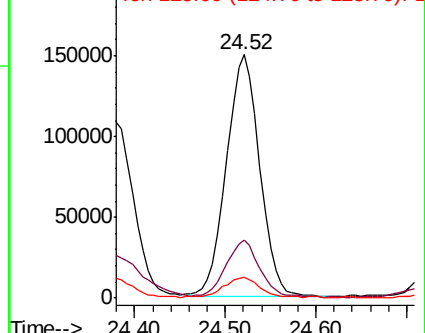
252 100

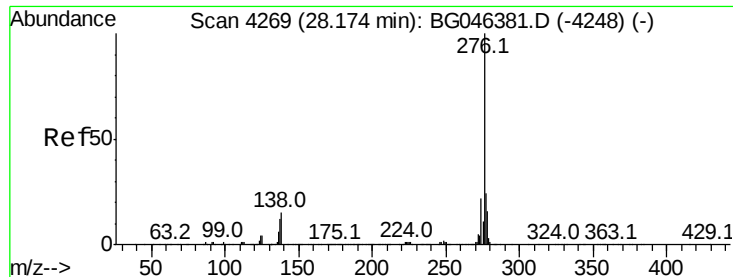
253 24.0 17.8 26.8

125 8.6 7.1 10.7



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

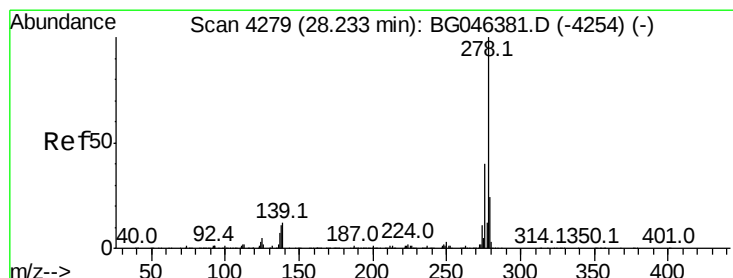
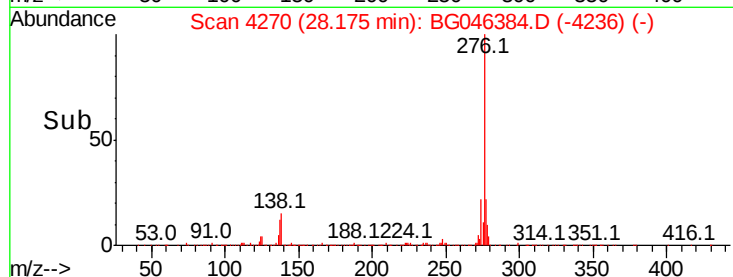
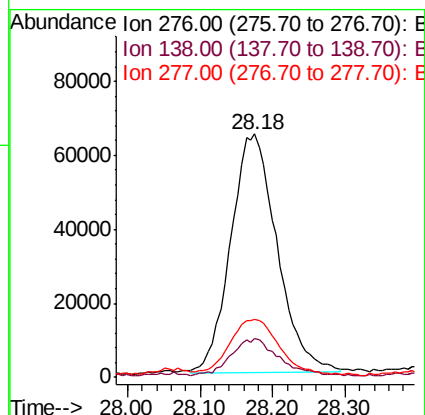
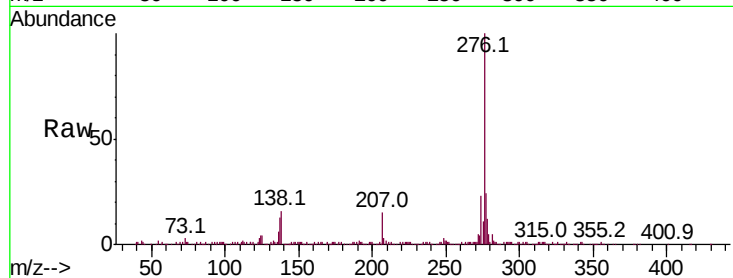




#28
 Indeno(1,2,3-cd)pyrene
 Concen: 6.483 ng/ul
 RT: 28.18 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: BG046384.D
 Acq: 20 Aug 2020 18:35

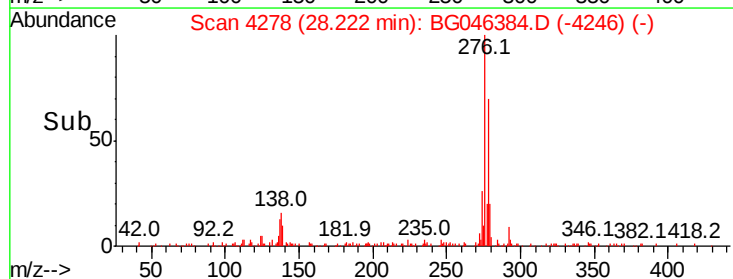
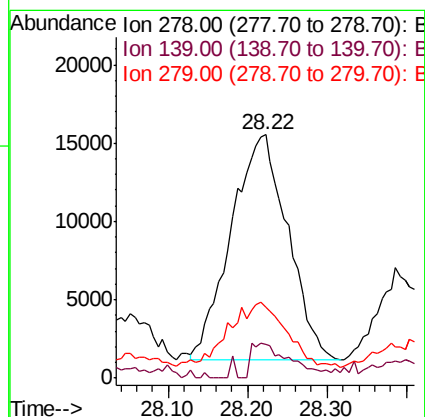
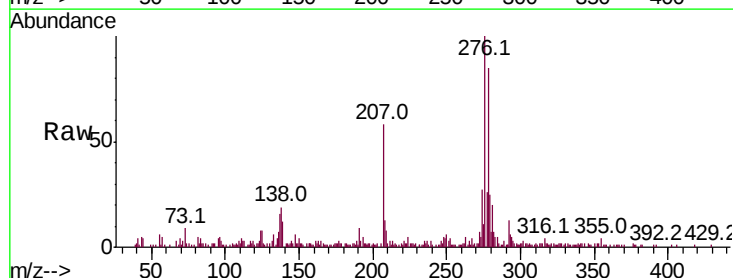
Instrument :
 BNA_G
 ClientSampleId :

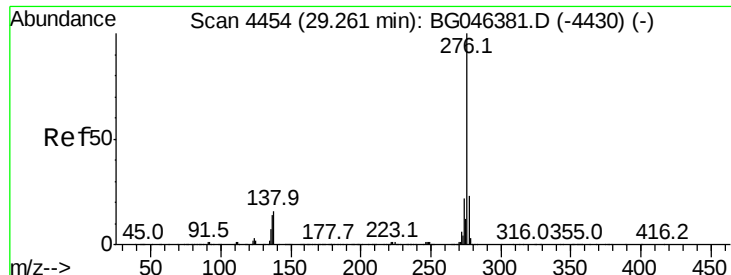
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.9	13.2	19.8
277	23.9	19.9	29.9



#29
 Dibenzo(a,h)anthracene
 Concen: 1.992 ng/ul
 RT: 28.22 min Scan# 4278
 Delta R.T. -0.01 min
 Lab File: BG046384.D
 Acq: 20 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.6	9.8	14.8
279	28.9	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 3.591 ng/ul

RT: 29.26 min Scan# 4454

Delta R.T. -0.00 min

Lab File: BG046384.D

Acq: 20 Aug 2020 18:35

Instrument :

BNA_G

ClientSampleId :

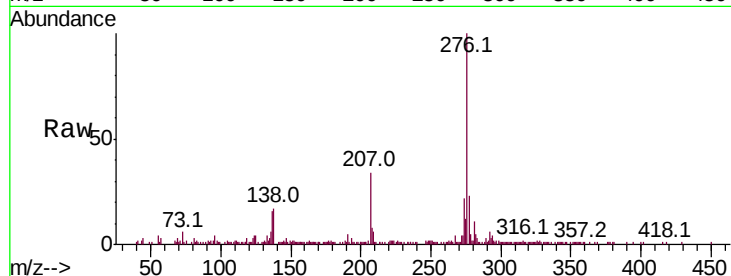
Tot Ion:276 Resp: 132678

Ion Ratio Lower Upper

276 100

138 16.8 12.9 19.3

277 23.2 19.4 29.0



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

