

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046386.D
 Acq On : 20 Aug 2020 19:56
 Operator : CG/JU
 Sample : L3634-14
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 00:38:58 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	93824	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	369593	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	238147	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	534893	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	560261	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	597702	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.36	165	155555	24.44	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	571304	26.07	ng/ul	0.00
10) Fluorene-d10	15.56	176	432054	25.73	ng/ul	0.00
15) Anthracene-d10	17.41	188	628537	25.35	ng/ul	0.00
19) Pyrene-d10	19.69	212	745064	25.84	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	849299	26.04	ng/ul	0.00

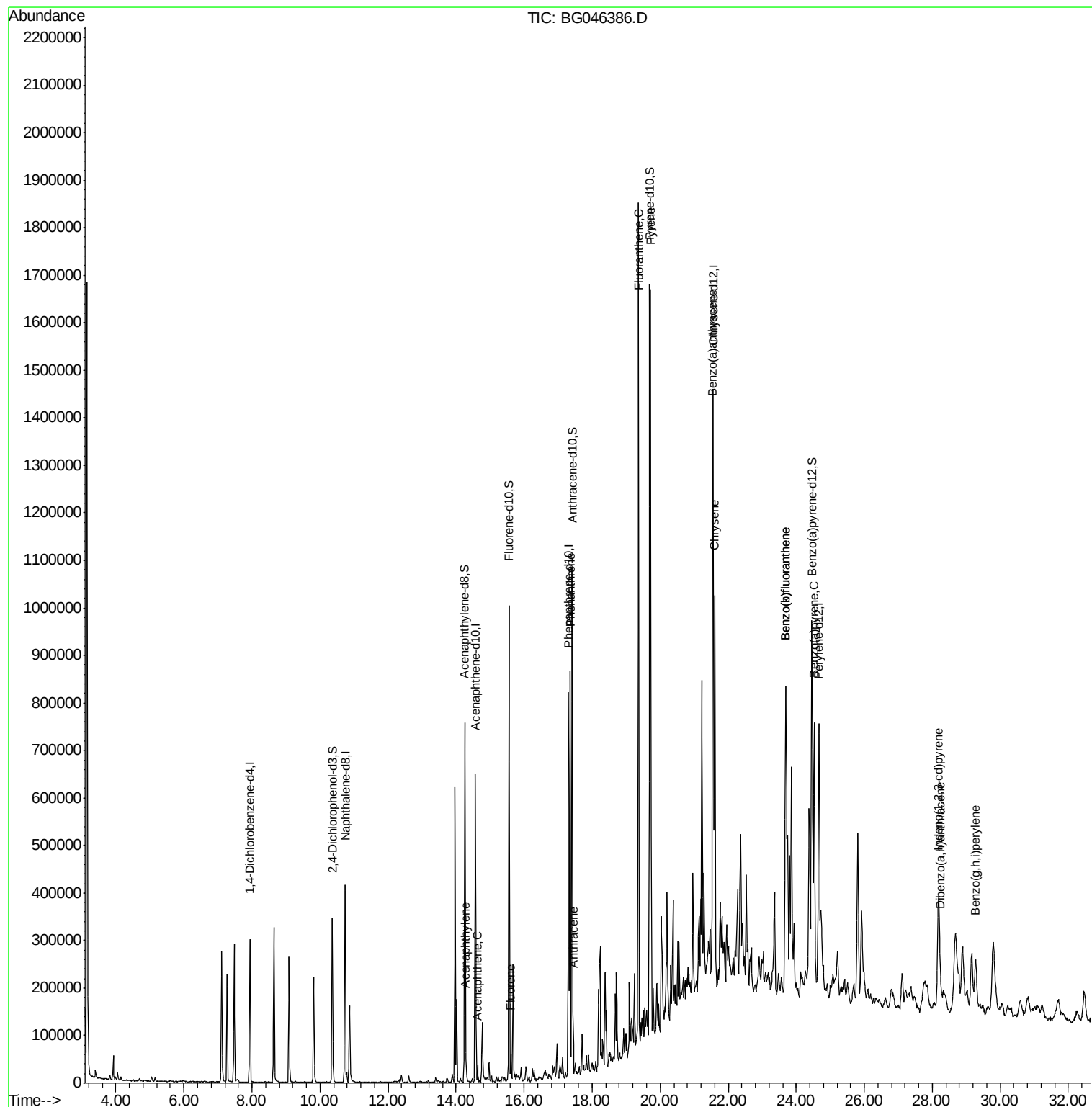
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Acenaphthylene	14.29	152	37907	1.701	ng/ul	95
9) Acenaphthene	14.63	153	16255	1.022	ng/ul	95
11) Fluorene	15.61	166	20184	1.085	ng/ul	98
14) Phenanthrene	17.35	178	550504	18.708	ng/ul	99
16) Anthracene	17.44	178	84659	2.851	ng/ul	98
17) Fluoranthene	19.36	202	1060751	32.328	ng/ul	99
20) Pyrene	19.72	202	999754	27.185	ng/ul	99
21) Benzo(a)anthracene	21.54	228	562674	15.436	ng/ul	98
22) Chrysene	21.60	228	614632	17.442	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	832982	21.075	ng/ul	98
25) Benzo(k)fluoranthene	23.69	252	832982	21.245	ng/ul	99
27) Benzo(a)pyrene	24.53	252	591014	16.287	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.18	276	416069	9.157	ng/ul	99
29) Dibenzo(a,h)anthracene	28.23	278	110588	3.002	ng/ul	96
30) Benzo(a,h,i)perylene	29.27	276	218797	5.754	ng/ul	99

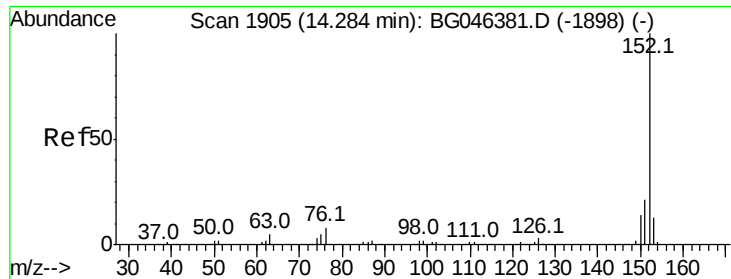
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.701 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BG046386.D

Acq: 20 Aug 2020 19:56

Instrument :

BNA_G

ClientSampled :

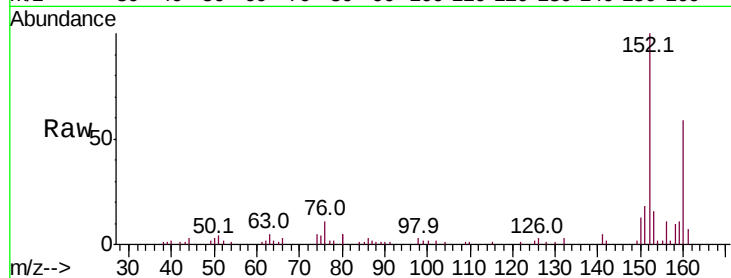
Tot Ion:152 Resp: 37907

Ion Ratio Lower Upper

152 100

151 18.0 16.5 24.7

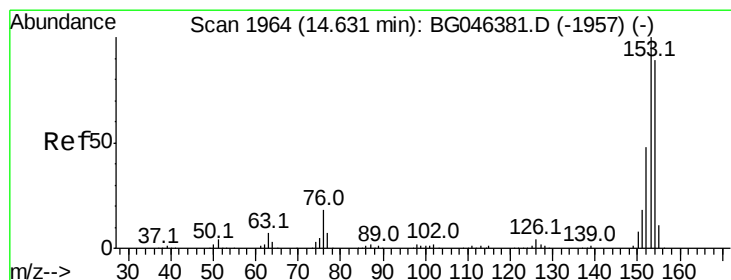
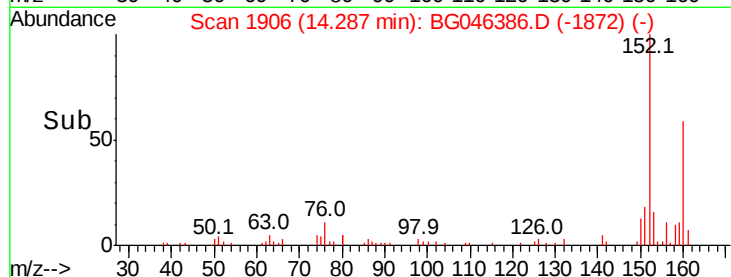
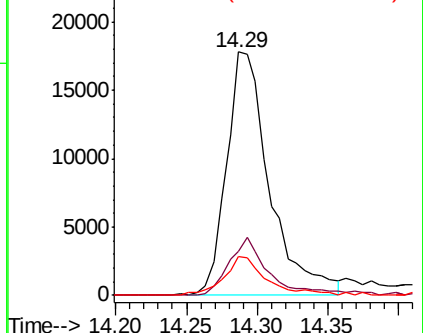
153 15.8 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#9

Acenaphthene

Concen: 1.022 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG046386.D

Acq: 20 Aug 2020 19:56

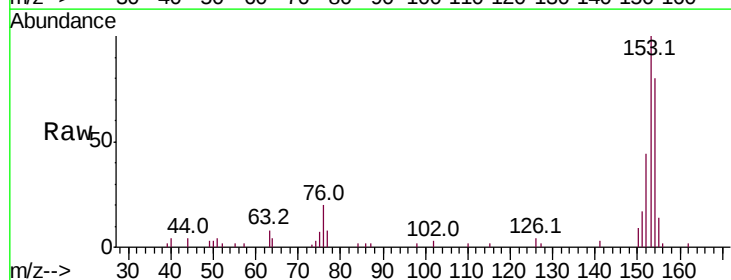
Tgt Ion:153 Resp: 16255

Ion Ratio Lower Upper

153 100

152 44.2 37.2 55.8

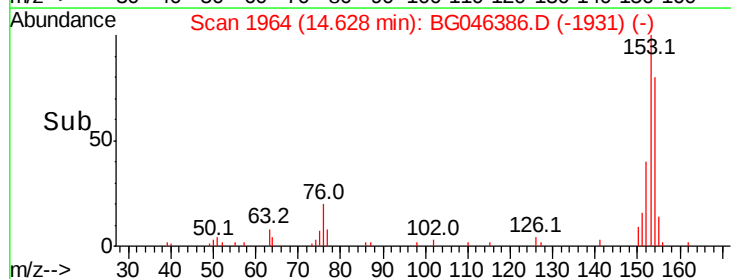
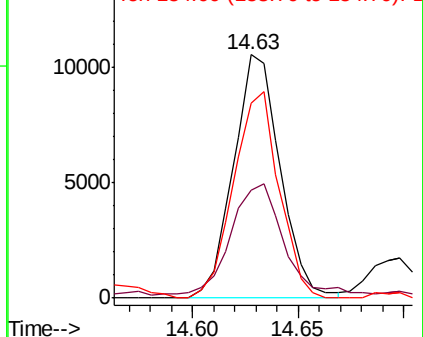
154 80.0 67.8 101.6

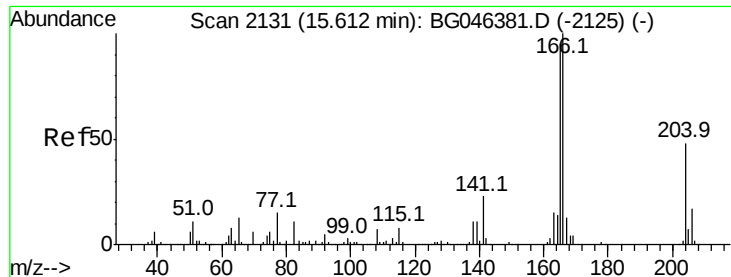


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

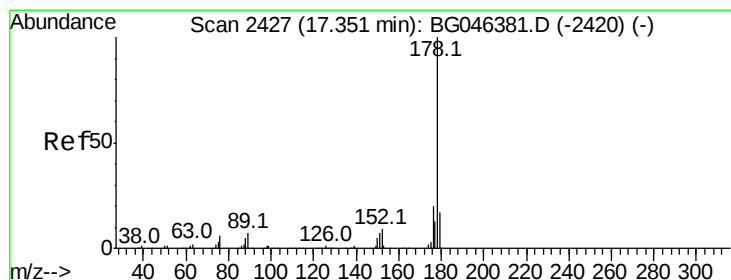
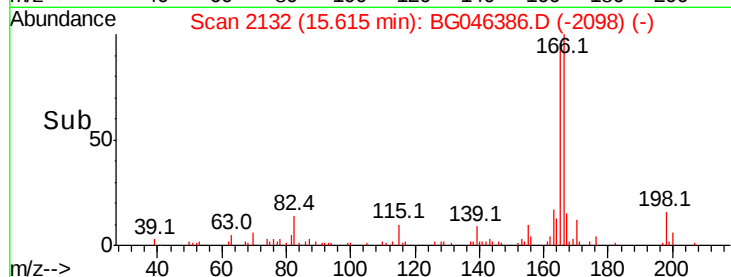
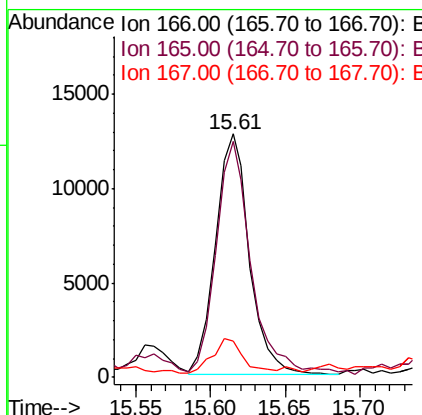
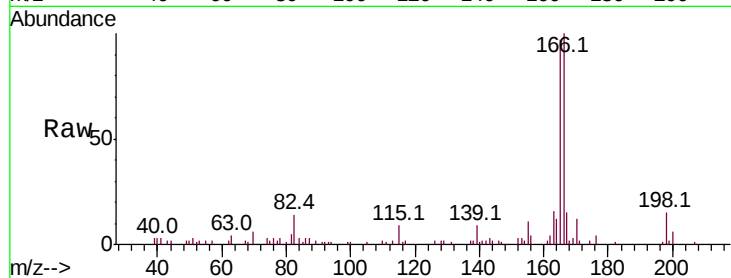




#11
 Fluorene
 Concen: 1.085 ng/ul
 RT: 15.61 min Scan# 2132
 Delta R.T. 0.00 min
 Lab File: BG046386.D
 Acq: 20 Aug 2020 19:56

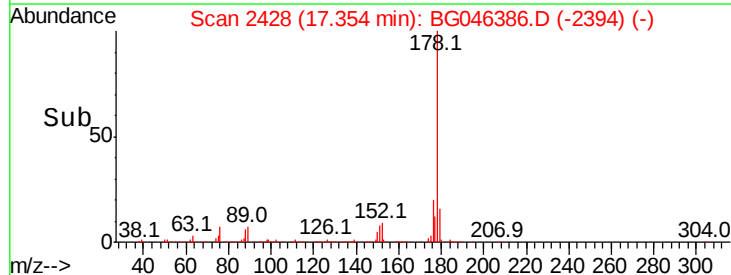
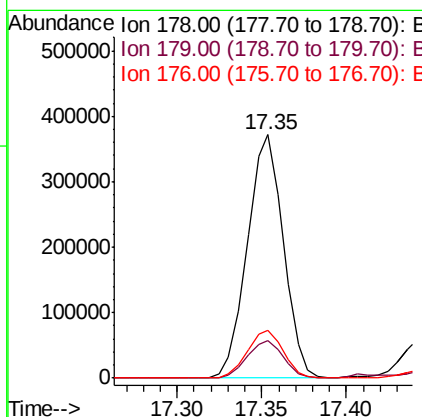
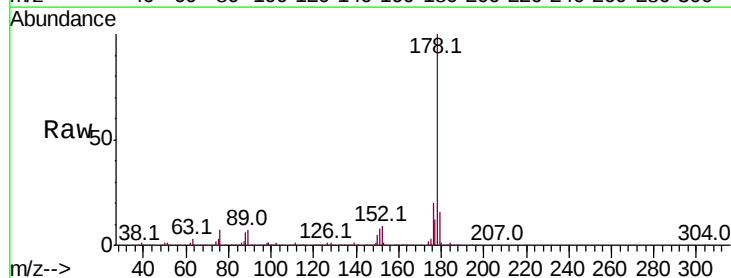
Instrument :
 BNA_G
 ClientSampleId :

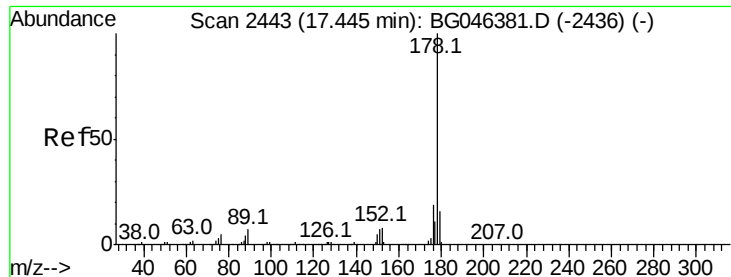
Tot Ion:166 Resp: 20184
 Ion Ratio Lower Upper
 166 100
 165 96.9 75.9 113.9
 167 14.7 10.7 16.1



#14
 Phenanthrene
 Concen: 18.708 ng/ul
 RT: 17.35 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG046386.D
 Acq: 20 Aug 2020 19:56

Tgt Ion:178 Resp: 550504
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.8 19.2
 176 19.8 15.8 23.8

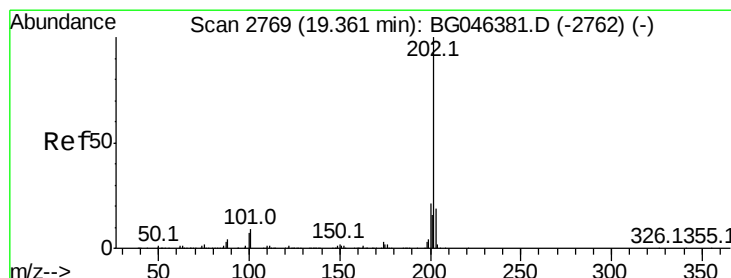
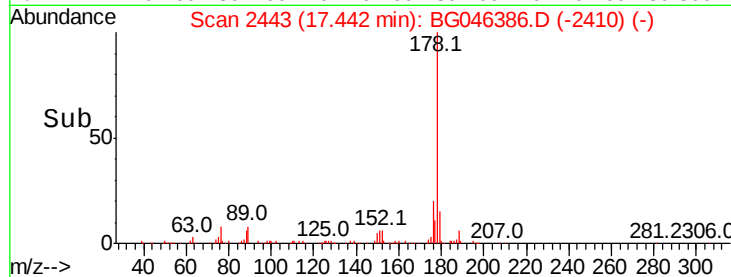
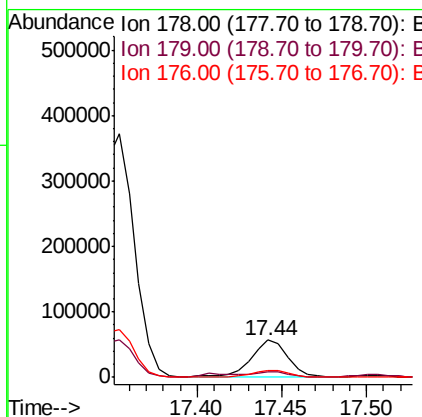
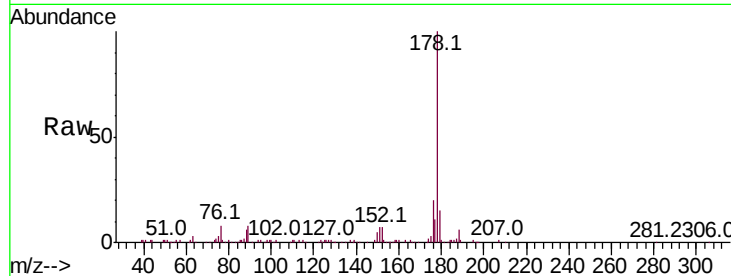




#16
 Anthracene
 Concen: 2.851 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG046386.D
 Acq: 20 Aug 2020 19:56

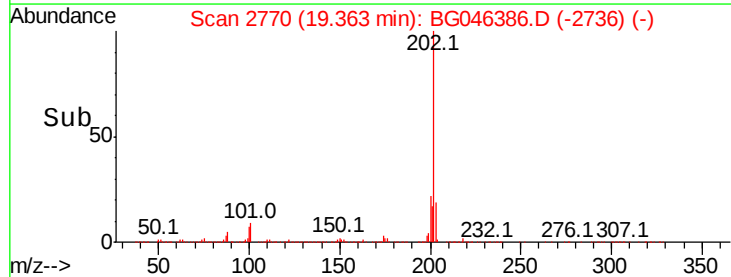
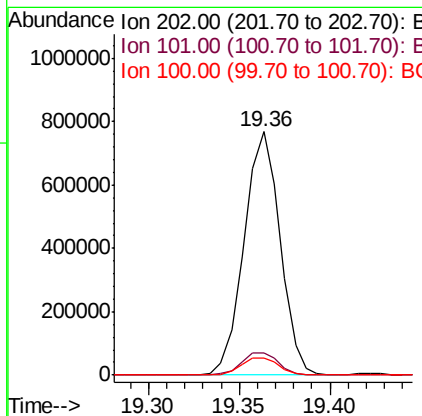
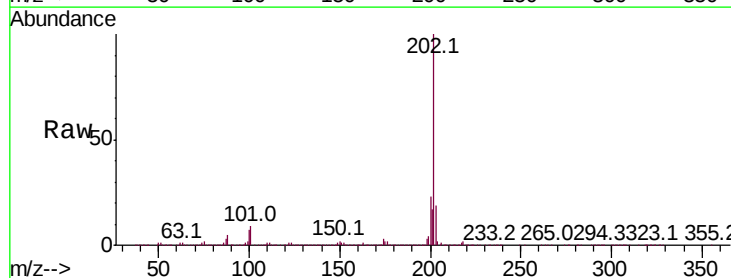
Instrument :
 BNA_G
 ClientSampleId :

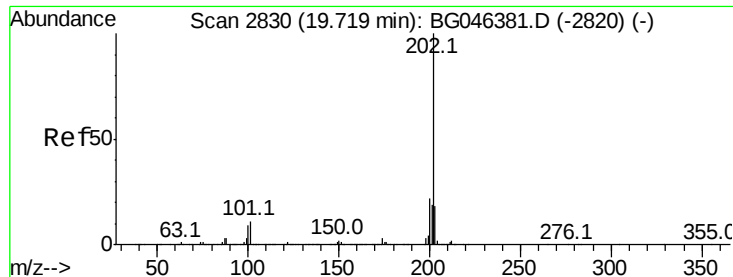
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.2	19.8
176	19.6	15.2	22.8



#17
 Fluoranthene
 Concen: 32.328 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046386.D
 Acq: 20 Aug 2020 19:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.8	11.6
100	7.2	5.9	8.9

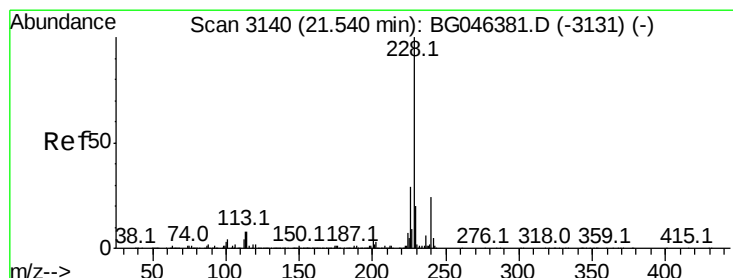
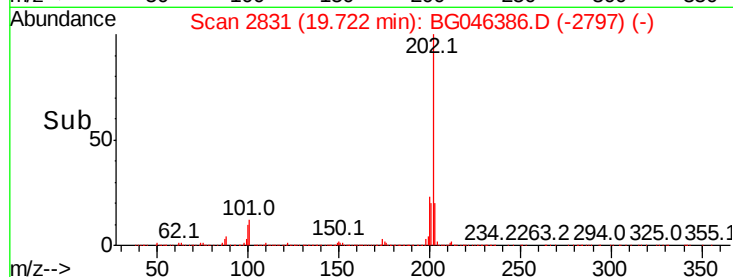
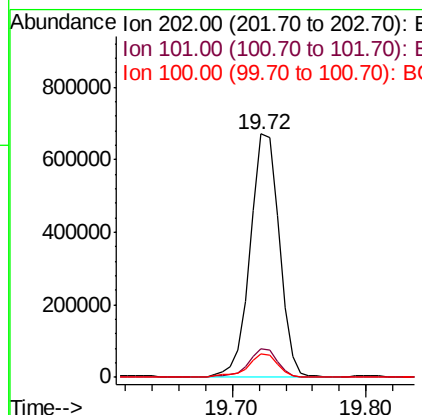
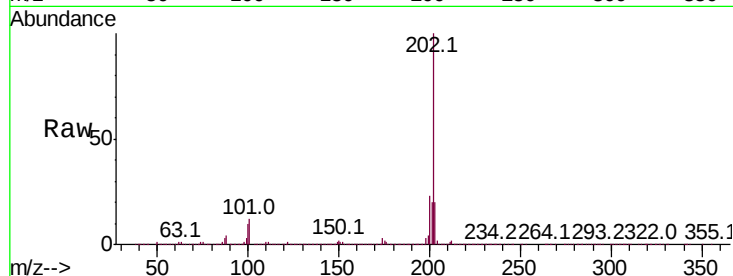




#20
Pvrene
Concen: 27.185 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BG046386.D
Acq: 20 Aug 2020 19:56

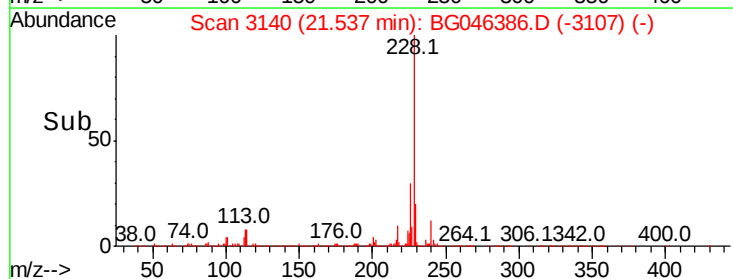
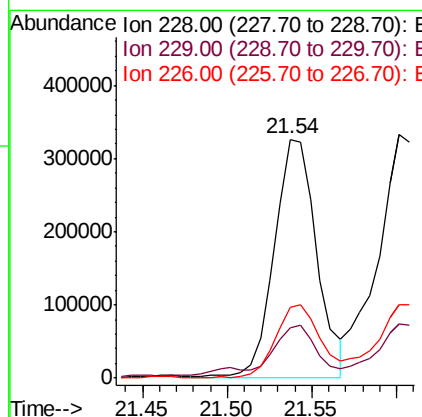
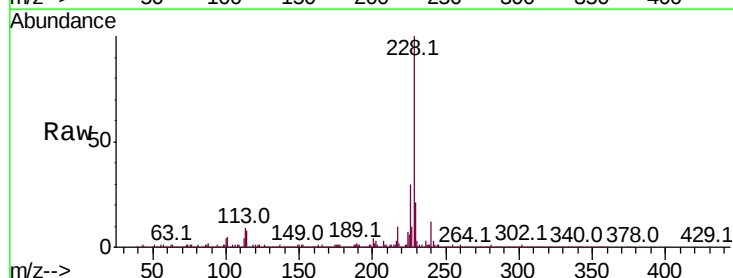
Instrument :
BNA_G
ClientSampleId :

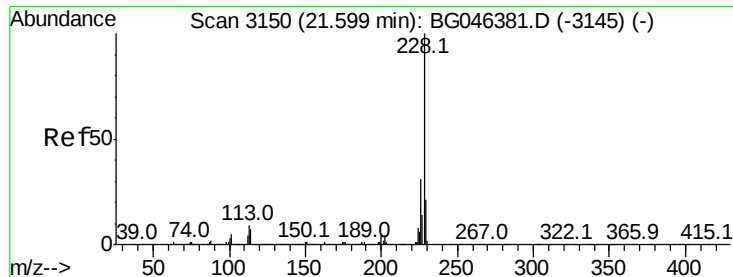
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	8.9	13.3
100	9.8	7.9	11.9



#21
Benzo(a)anthracene
Concen: 15.436 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046386.D
Acq: 20 Aug 2020 19:56

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	16.6	25.0
226	29.9	22.6	33.8





#22

Chrysene

Concen: 17.442 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046386.D

Acq: 20 Aug 2020 19:56

Instrument :

BNA_G

ClientSampleId :

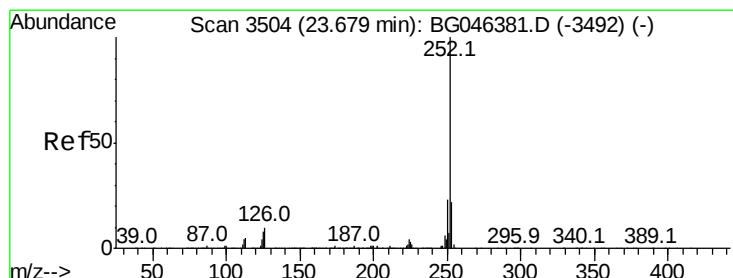
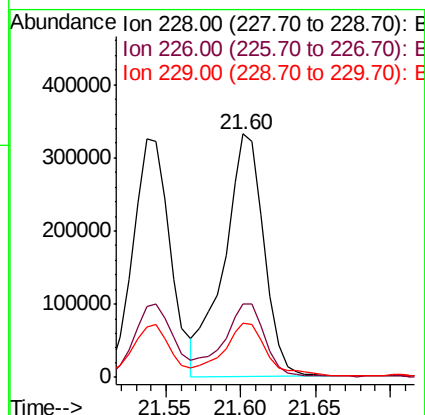
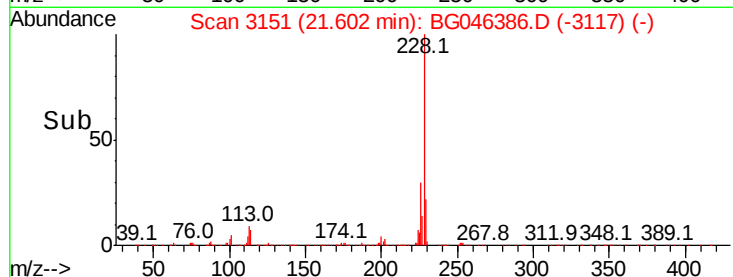
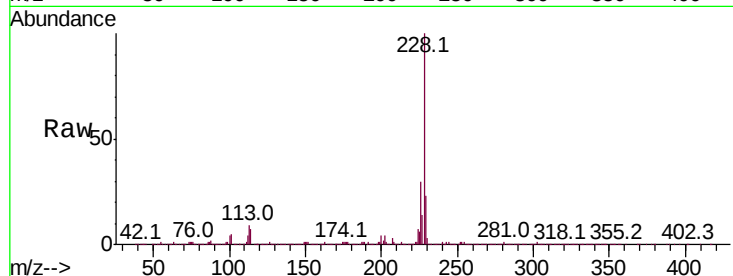
Tot Ion:228 Resp: 614632

Ion Ratio Lower Upper

228 100

226 30.1 25.5 38.3

229 22.5 17.0 25.4



#24

Benzo(b)fluoranthene

Concen: 21.075 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. 0.01 min

Lab File: BG046386.D

Acq: 20 Aug 2020 19:56

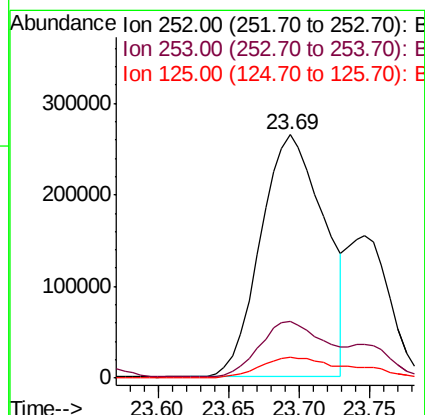
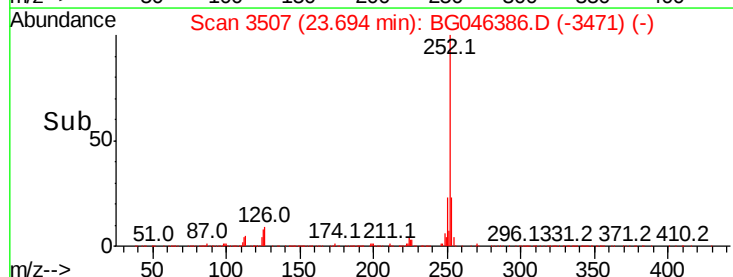
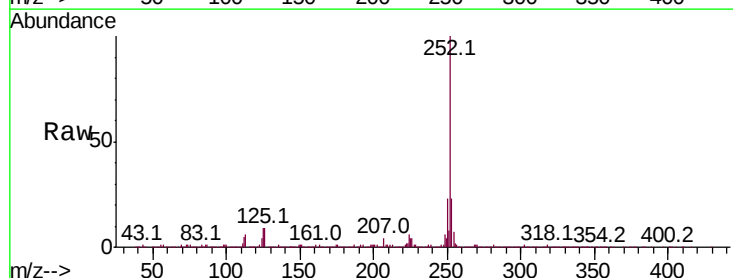
Tgt Ion:252 Resp: 832982

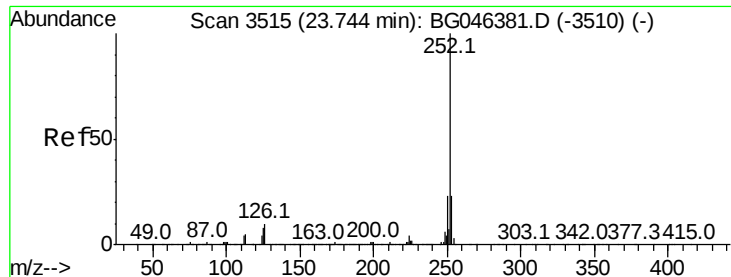
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 8.5 6.4 9.6





#25

Benzo(k)fluoranthene

Concen: 21.245 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. -0.05 min

Lab File: BG046386.D

Acq: 20 Aug 2020 19:56

Instrument :

BNA_G

ClientSampleId :

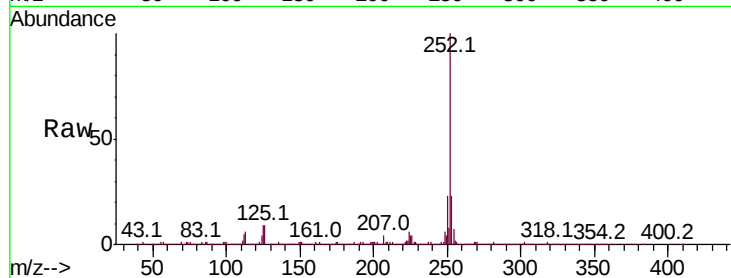
Tot Ion:252 Resp: 832982

Ion Ratio Lower Upper

252 100

253 23.4 18.5 27.7

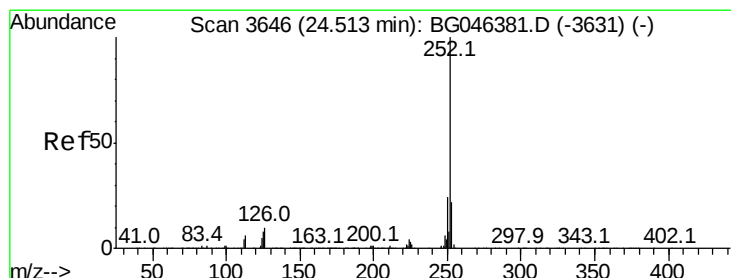
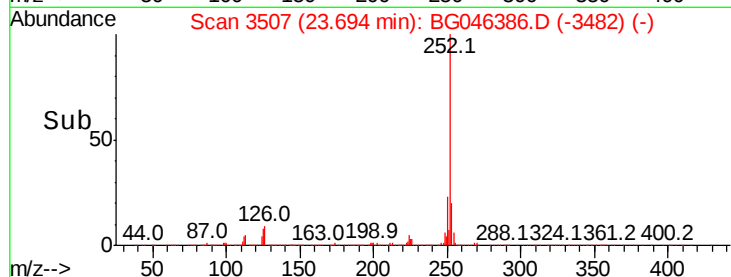
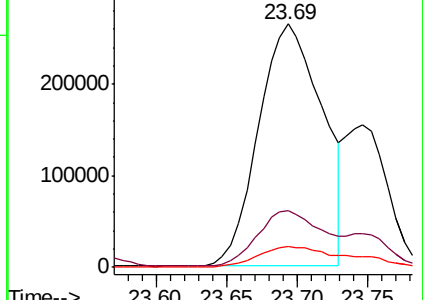
125 8.5 6.2 9.2



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: 16.287 ng/ul

RT: 24.53 min Scan# 3649

Delta R.T. 0.01 min

Lab File: BG046386.D

Acq: 20 Aug 2020 19:56

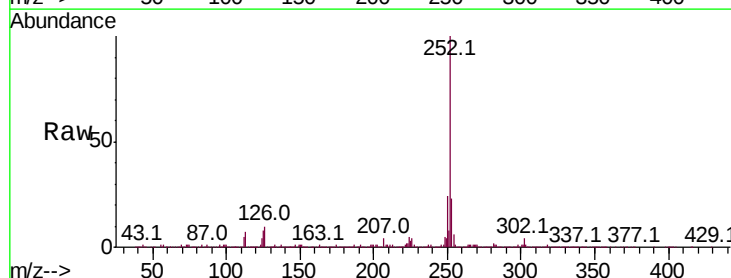
Tgt Ion:252 Resp: 591014

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

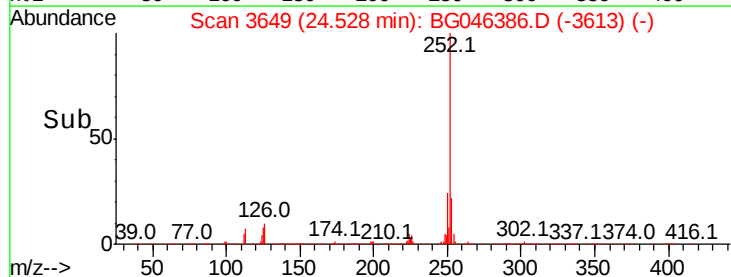
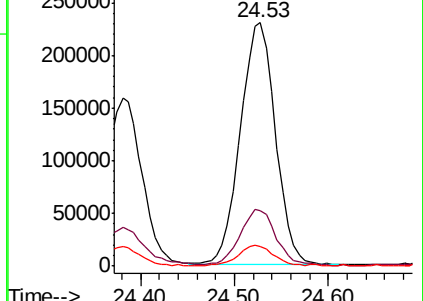
125 8.1 7.1 10.7

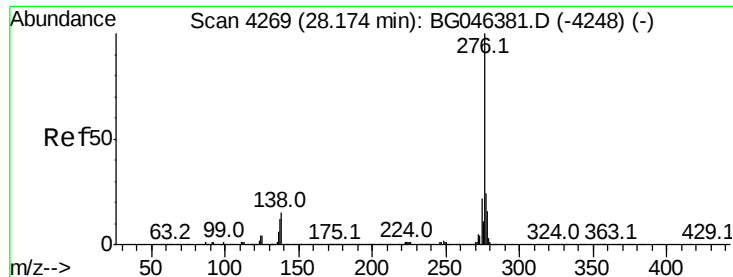


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

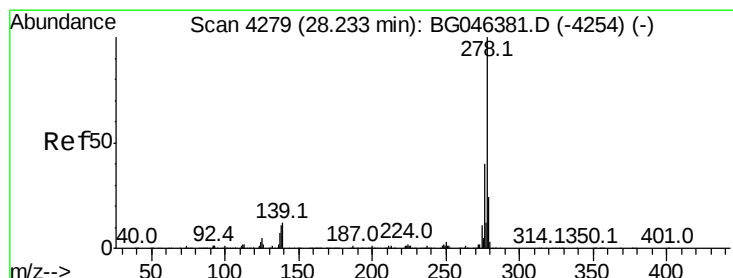
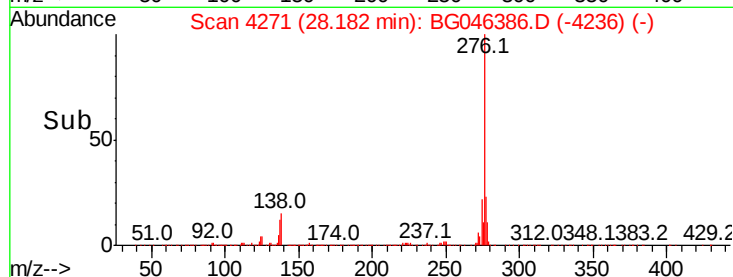
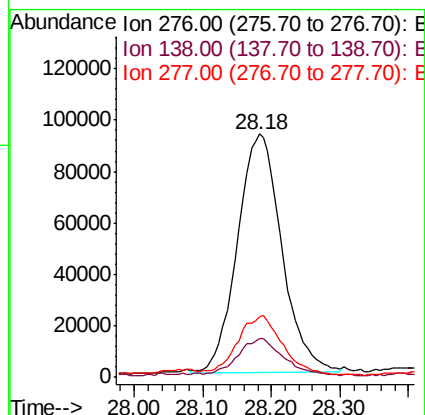
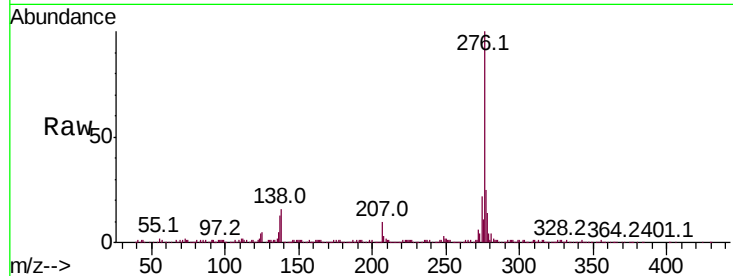




#28
 Indeno(1,2,3-cd)pyrene
 Concen: 9.157 ng/ul
 RT: 28.18 min Scan# 4271
 Delta R.T. 0.01 min
 Lab File: BG046386.D
 Acq: 20 Aug 2020 19:56

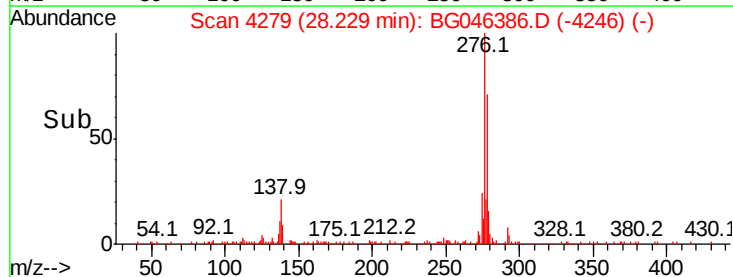
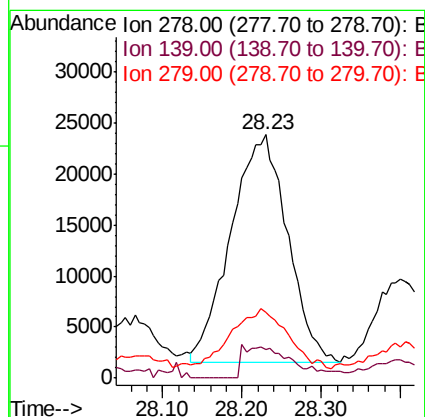
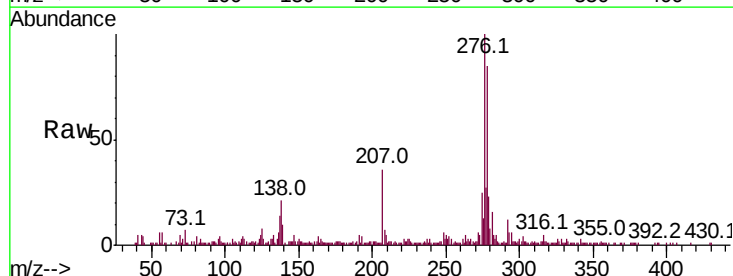
Instrument :
 BNA_G
 ClientSampleId :

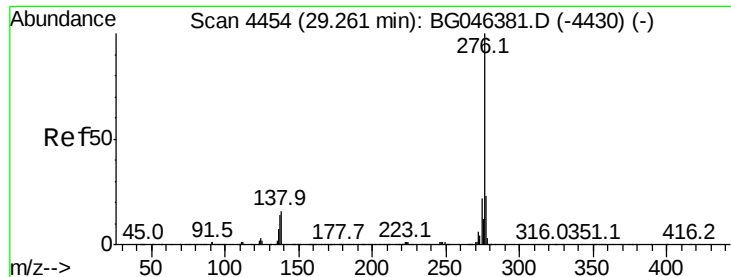
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.2	19.8
277	24.7	19.9	29.9



#29
 Dibenzo(a,h)anthracene
 Concen: 3.002 ng/ul
 RT: 28.23 min Scan# 4279
 Delta R.T. -0.00 min
 Lab File: BG046386.D
 Acq: 20 Aug 2020 19:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.9	9.8	14.8
279	27.2	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 5.754 ng/ul

RT: 29.27 min Scan# 4456

Delta R.T. 0.01 min

Lab File: BG046386.D

Acq: 20 Aug 2020 19:56

Instrument :

BNA_G

ClientSampleId :

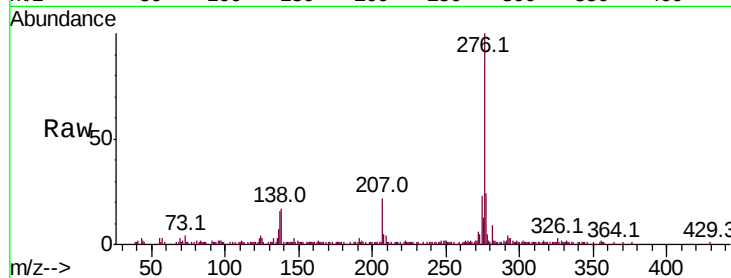
Tot Ion:276 Resp: 218797

Ion Ratio Lower Upper

276 100

138 16.8 12.9 19.3

277 24.0 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

