

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
 Data File : BG046258.D
 Acq On : 13 Aug 2020 21:03
 Operator : CG/JU
 Sample : L3629-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM51

Quant Time: Aug 14 05:22:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 13:50:19 2020
 Response via : Initial Calibration

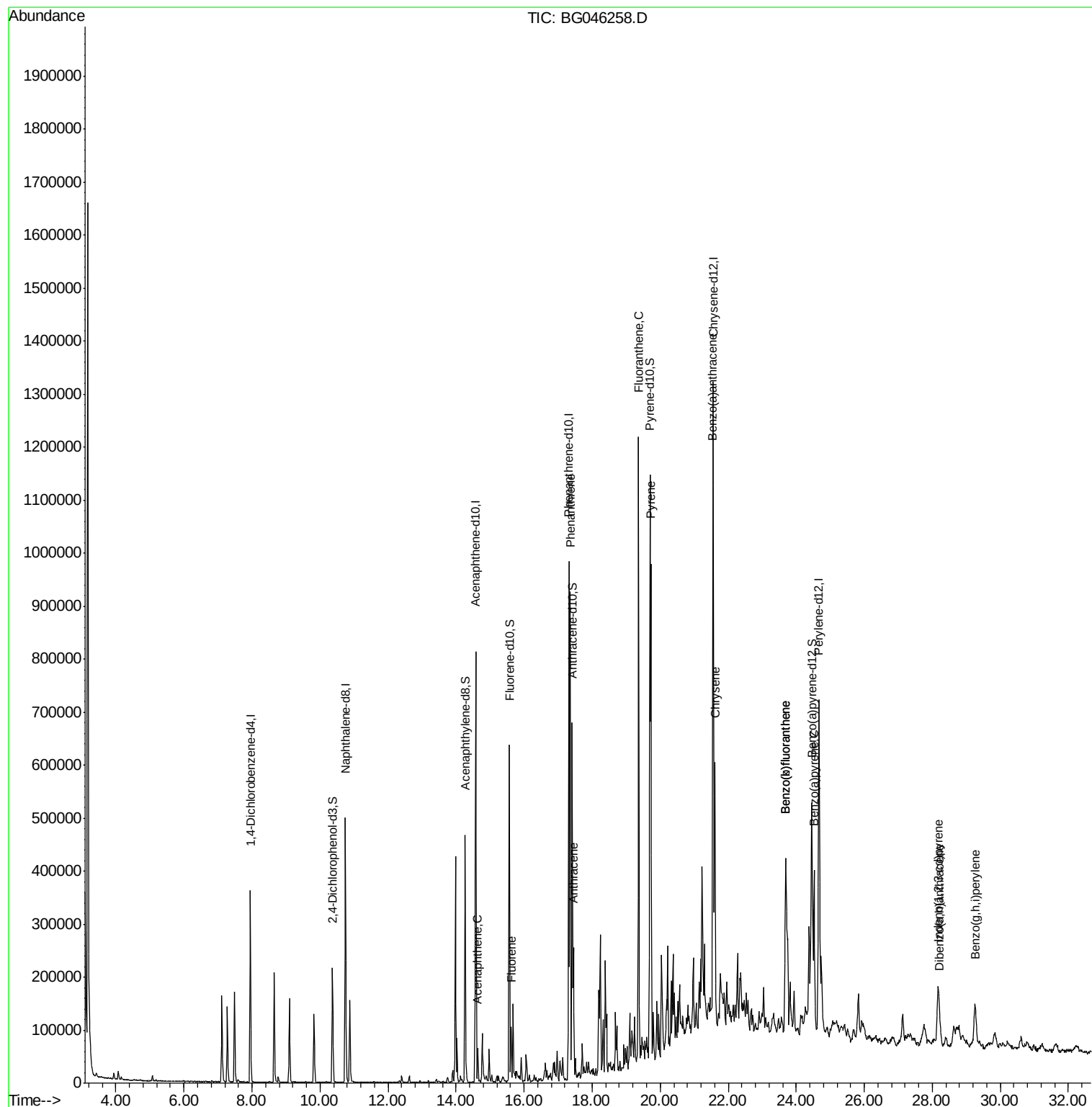
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	114317	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	454699	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	290682	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.32	188	633382	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	617989	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	651717	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.37	165	93366	11.93	ng/ul	0.00
7) Acenaphthylene-d8	14.27	160	355970	13.31	ng/ul	0.00
10) Fluorene-d10	15.57	176	276518	13.49	ng/ul	0.00
15) Anthracene-d10	17.41	188	400820	13.65	ng/ul	0.00
19) Pyrene-d10	19.70	212	456125	14.34	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	481791	13.55	ng/ul	0.00
Target Compounds				Qvalue		
9) Acenaphthene	14.64	153	26980	1.389	ng/ul	97
11) Fluorene	15.62	166	45096	1.986	ng/ul	99
14) Phenanthrene	17.36	178	577720	16.580	ng/ul	99
16) Anthracene	17.45	178	161520	4.594	ng/ul	99
17) Fluoranthene	19.37	202	740673	19.063	ng/ul	99
20) Pyrene	19.73	202	600463	14.802	ng/ul	99
21) Benzo(a)anthracene	21.54	228	405160	10.077	ng/ul	99
22) Chrysene	21.61	228	352385	9.066	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	457864	10.624	ng/ul	96
25) Benzo(k)fluoranthene	23.69	252	457864	10.710	ng/ul	97
27) Benzo(a)pyrene	24.52	252	310548	7.849	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.17	276	186344	3.761	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	57980	1.443	ng/ul#	90
30) Benzo(a,h,i)perylene	29.26	276	147430	3.556	ng/ul	98

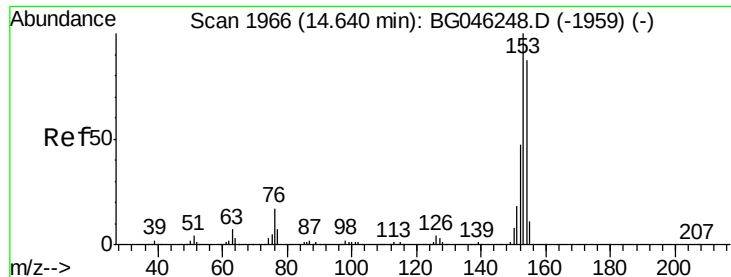
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 1.389 ng/ul

RT: 14.64 min Scan# 1966

Delta R.T. -0.00 min

Lab File: BG046258.D

Acq: 13 Aug 2020 21:03

Instrument :

BNA_G

ClientSampleId :

BFM51

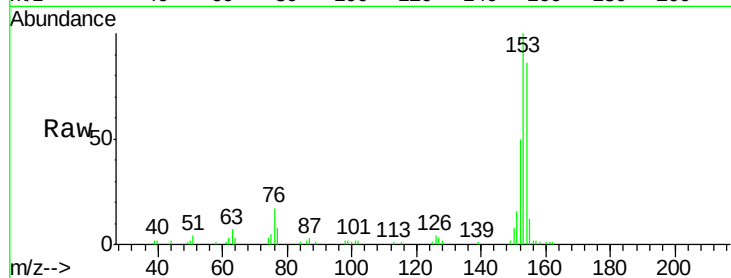
Tot Ion:153 Resp: 26980

Ion Ratio Lower Upper

153 100

152 49.6 37.2 55.8

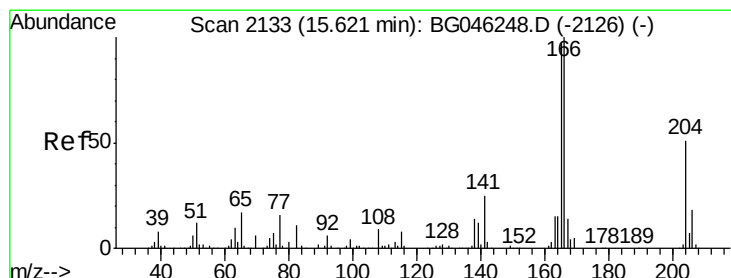
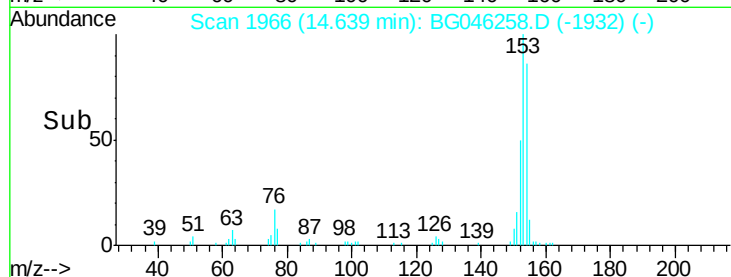
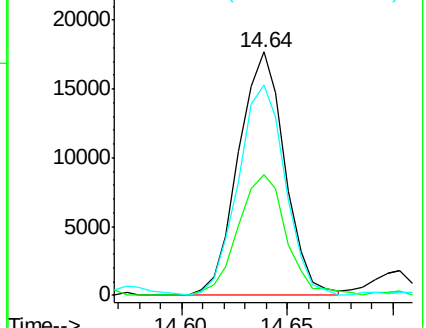
154 86.4 67.8 101.6



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: 1.986 ng/ul

RT: 15.62 min Scan# 2133

Delta R.T. -0.00 min

Lab File: BG046258.D

Acq: 13 Aug 2020 21:03

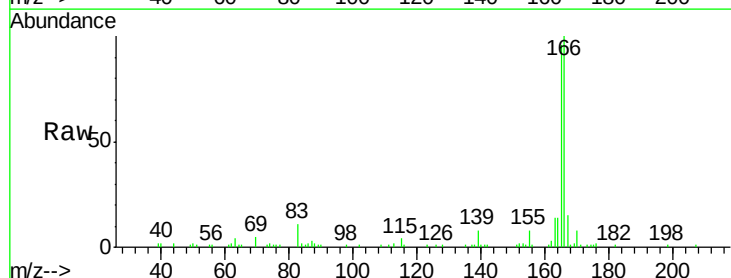
Tgt Ion:166 Resp: 45096

Ion Ratio Lower Upper

166 100

165 95.9 75.9 113.9

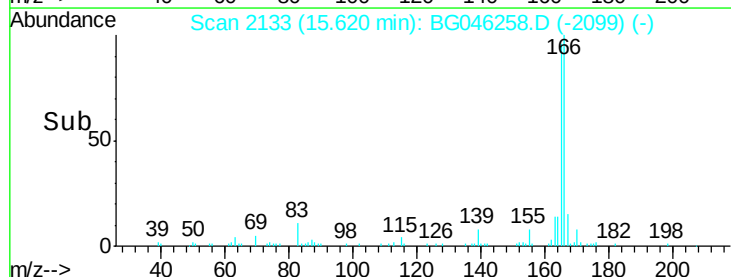
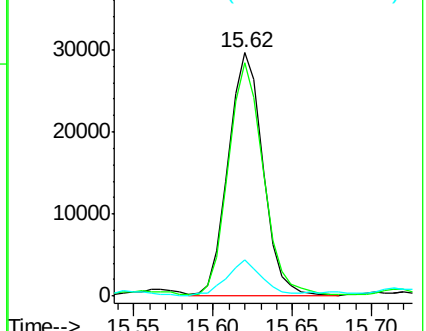
167 14.7 10.7 16.1

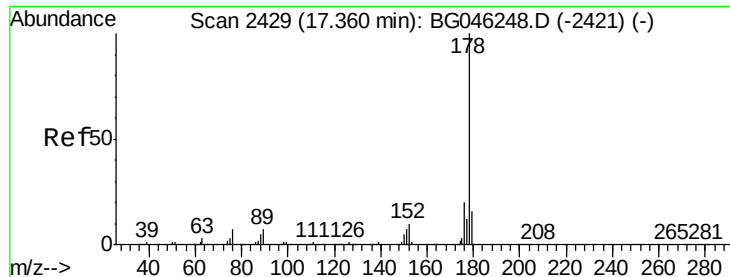


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 16.580 ng/ul

RT: 17.36 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BG046258.D

Acq: 13 Aug 2020 21:03

Instrument :

BNA_G

ClientSampleId :

BFM51

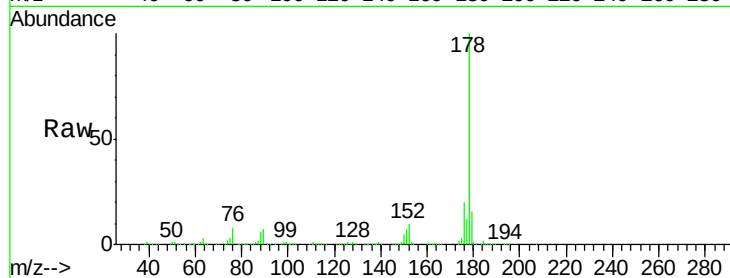
Tot Ion:178 Resp: 577720

Ion Ratio Lower Upper

178 100

179 16.5 12.8 19.2

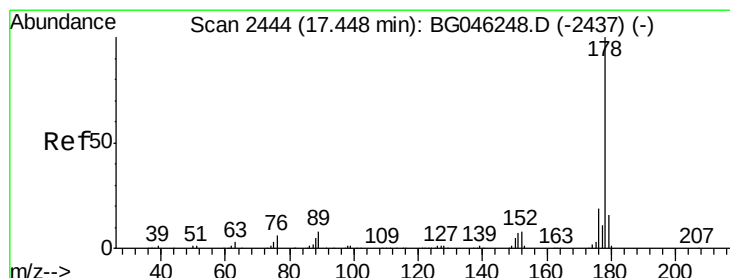
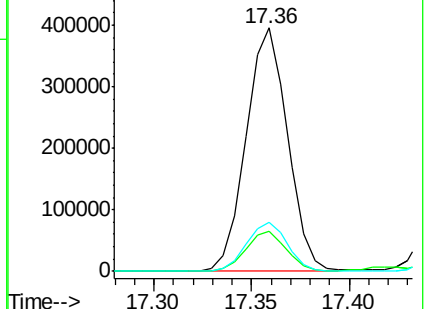
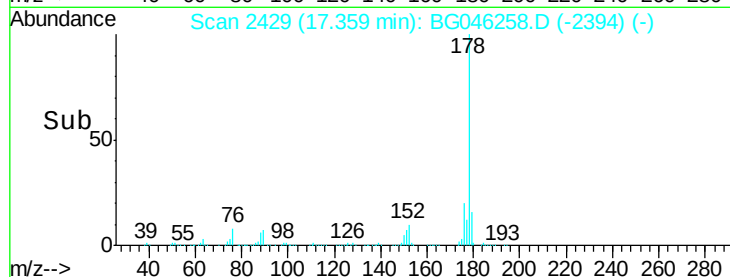
176 20.1 15.8 23.8



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: 4.594 ng/ul

RT: 17.45 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BG046258.D

Acq: 13 Aug 2020 21:03

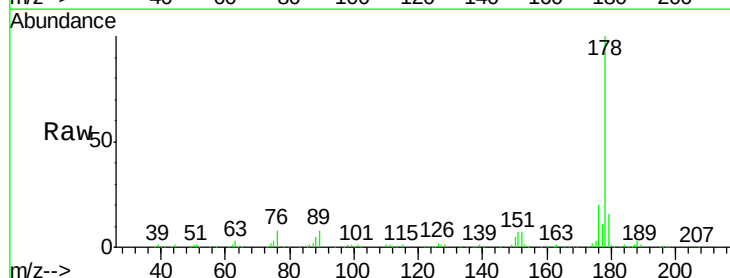
Tgt Ion:178 Resp: 161520

Ion Ratio Lower Upper

178 100

179 16.0 13.2 19.8

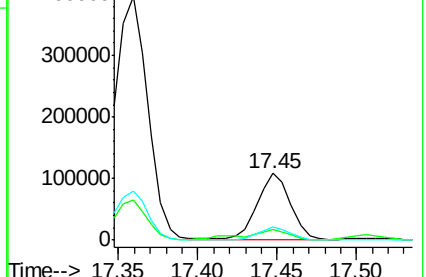
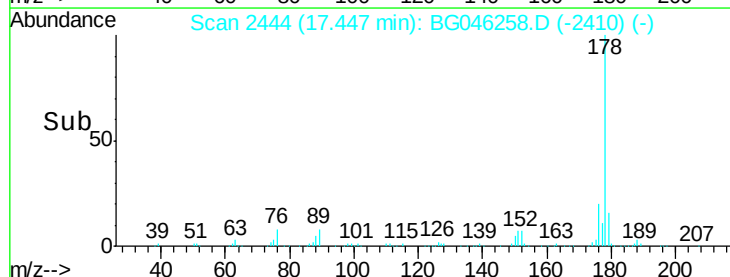
176 19.8 15.2 22.8

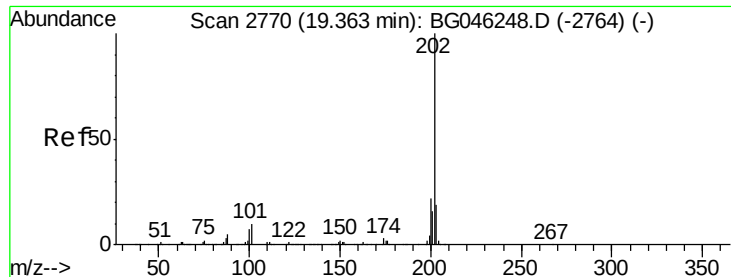


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

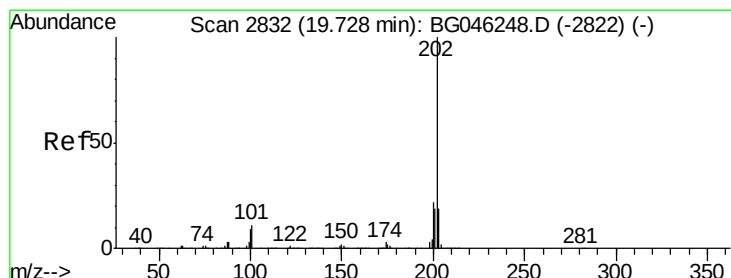
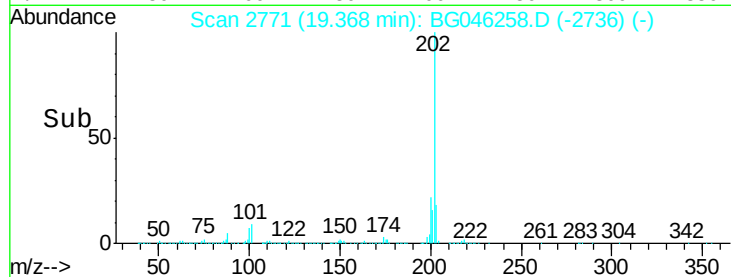
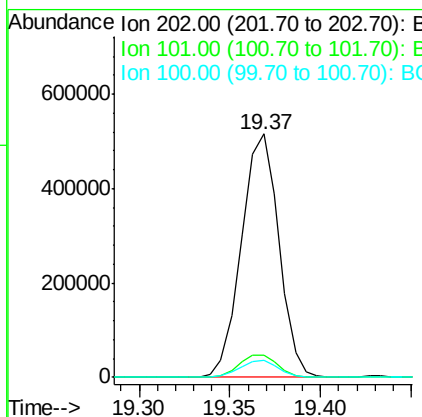
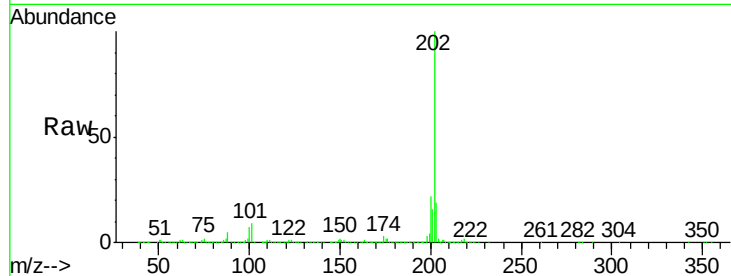




#17
 Fluoranthene
 Concen: 19.063 ng/ul
 RT: 19.37 min Scan# 2771
 Delta R.T. 0.00 min
 Lab File: BG046258.D
 Acq: 13 Aug 2020 21:03

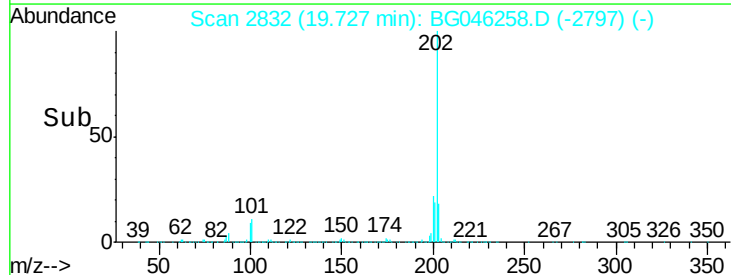
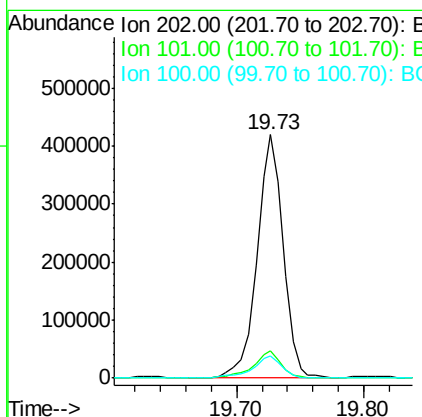
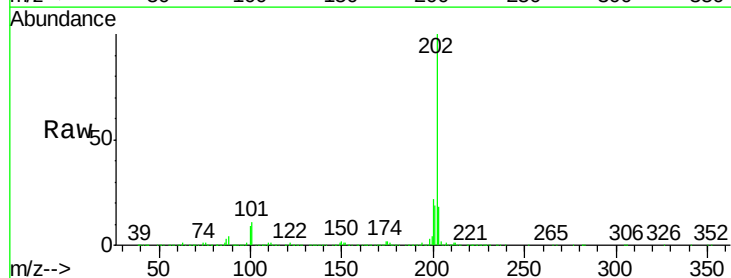
Instrument :
 BNA_G
 ClientSampleId :
 BFM51

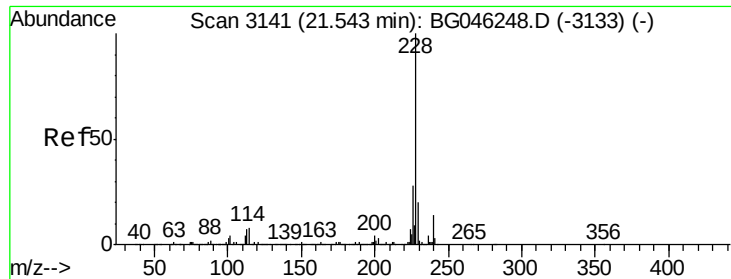
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.8	11.6
100	7.2	5.9	8.9



#20
 Pyrene
 Concen: 14.802 ng/ul
 RT: 19.73 min Scan# 2832
 Delta R.T. 0.00 min
 Lab File: BG046258.D
 Acq: 13 Aug 2020 21:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.9	13.3
100	9.2	7.9	11.9

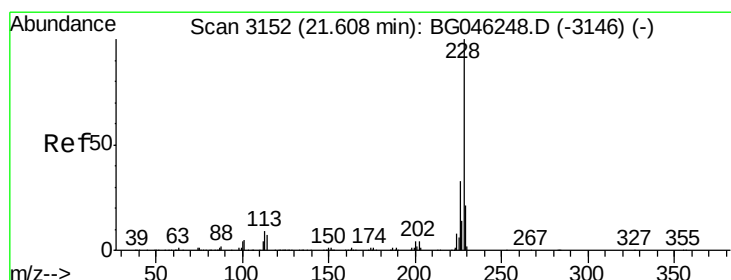
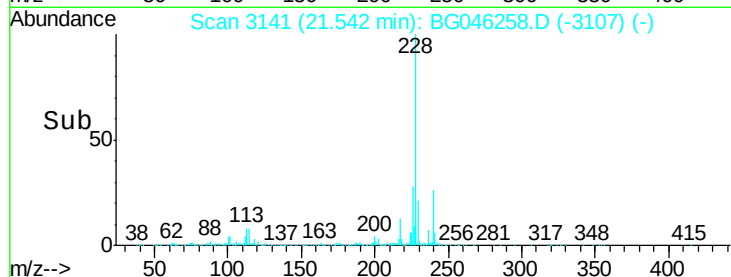
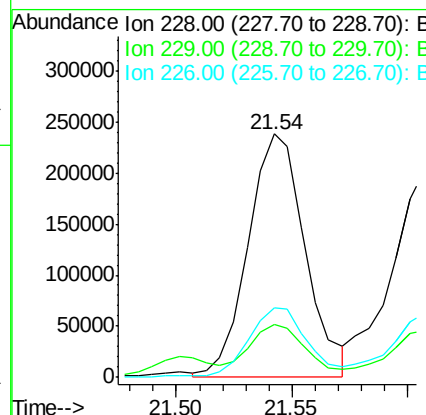
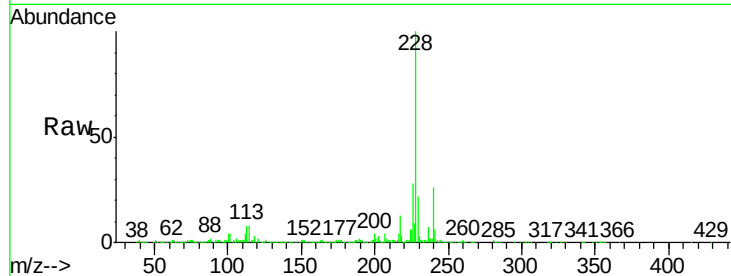




#21
Benzo(a)anthracene
Concen: 10.077 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046258.D
Acq: 13 Aug 2020 21:03

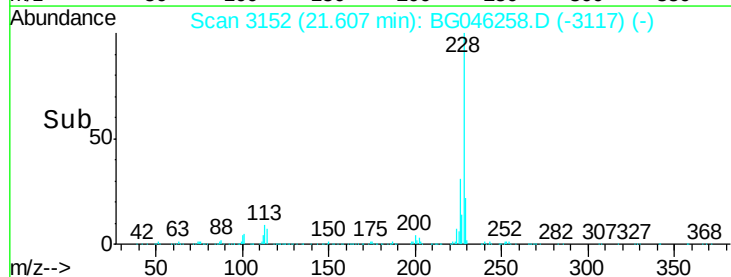
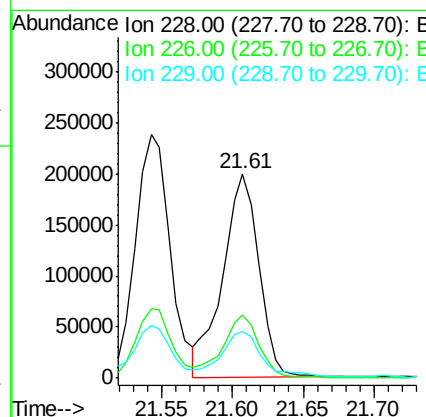
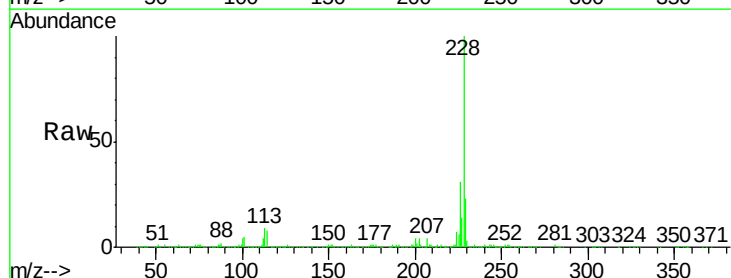
Instrument :
BNA_G
ClientSampleId :
BFM51

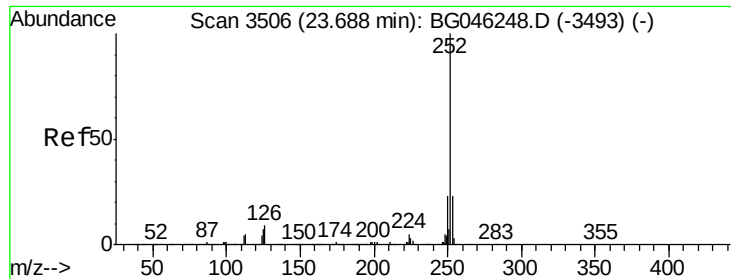
Tot Ion:228 Resp: 405160
Ion Ratio Lower Upper
228 100
229 21.8 16.6 25.0
226 28.4 22.6 33.8



#22
Chrysene
Concen: 9.066 ng/ul
RT: 21.61 min Scan# 3152
Delta R.T. 0.00 min
Lab File: BG046258.D
Acq: 13 Aug 2020 21:03

Tgt Ion:228 Resp: 352385
Ion Ratio Lower Upper
228 100
226 31.2 25.5 38.3
229 22.7 17.0 25.4





#24

Benzo(b)fluoranthene

Concen: 10.624 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. 0.01 min

Lab File: BG046258.D

Acq: 13 Aug 2020 21:03

Instrument :

BNA_G

ClientSampleId :

BFM51

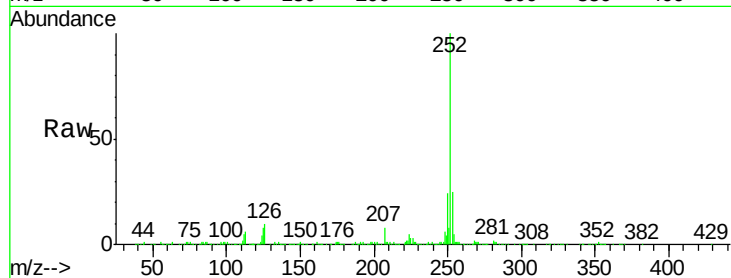
Tot Ion:252 Resp: 457864

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

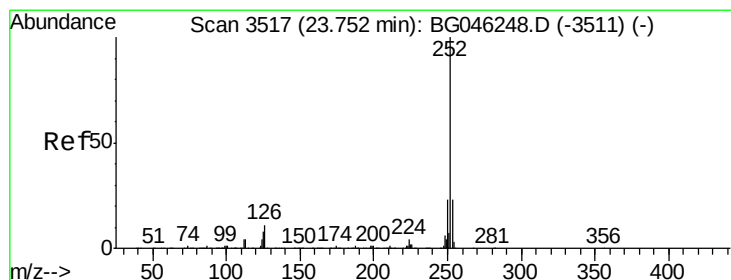
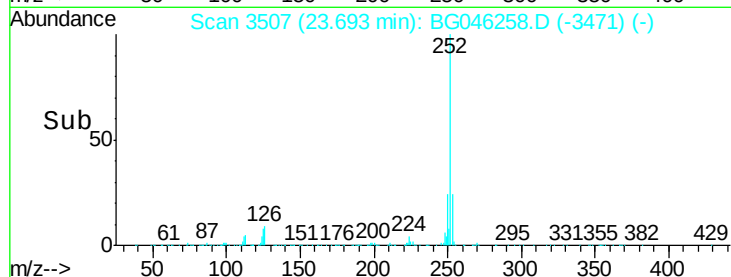
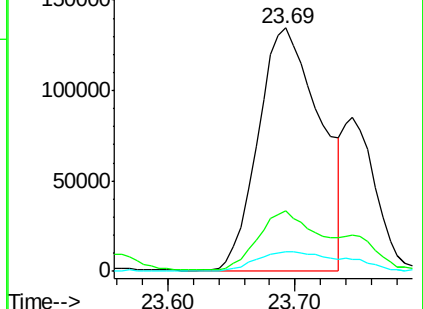
125 8.0 6.4 9.6



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: 10.710 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. -0.06 min

Lab File: BG046258.D

Acq: 13 Aug 2020 21:03

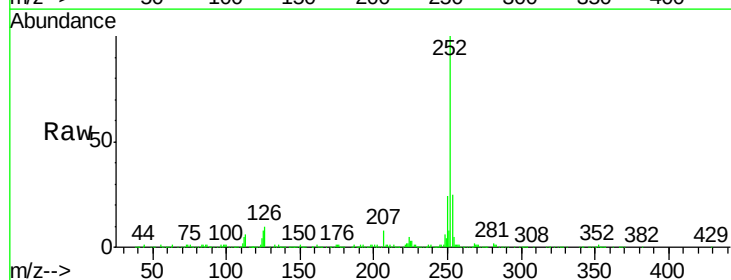
Tgt Ion:252 Resp: 457864

Ion Ratio Lower Upper

252 100

253 24.7 18.5 27.7

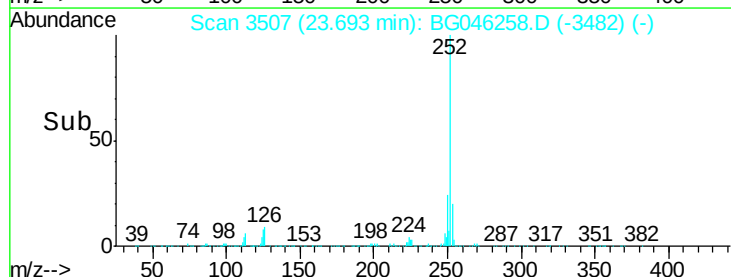
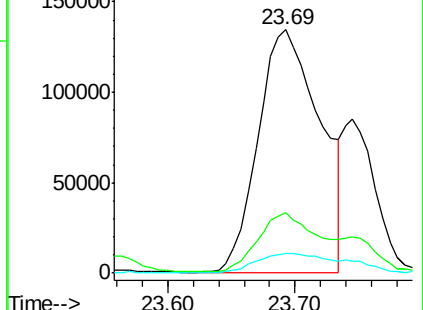
125 8.0 6.2 9.2

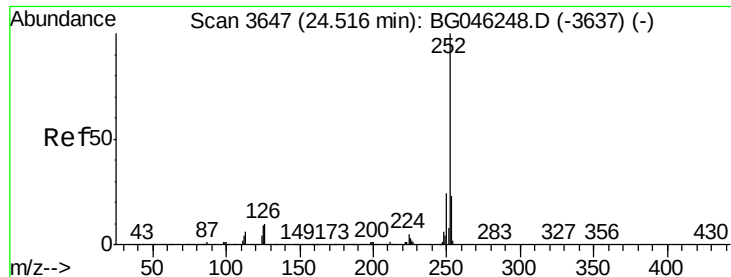


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 7.849 ng/ul

RT: 24.52 min Scan# 3648

Delta R.T. -0.00 min

Lab File: BG046258.D

Acq: 13 Aug 2020 21:03

Instrument :

BNA_G

ClientSampleId :

BFM51

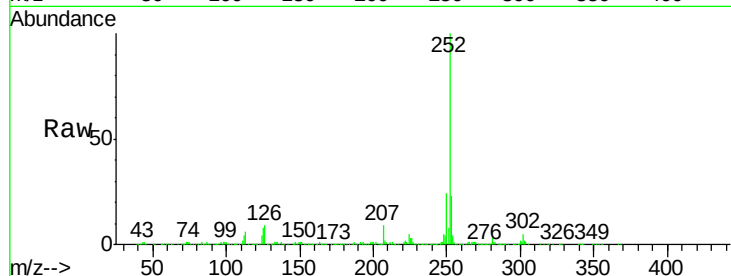
Tot Ion:252 Resp: 310548

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

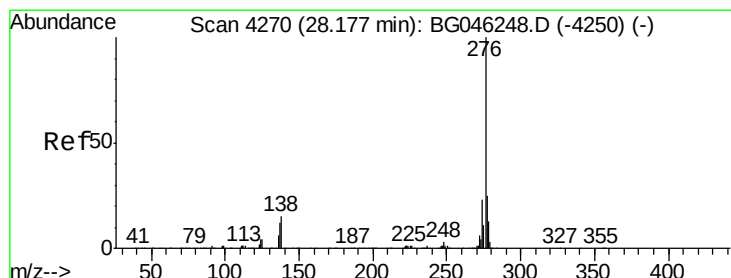
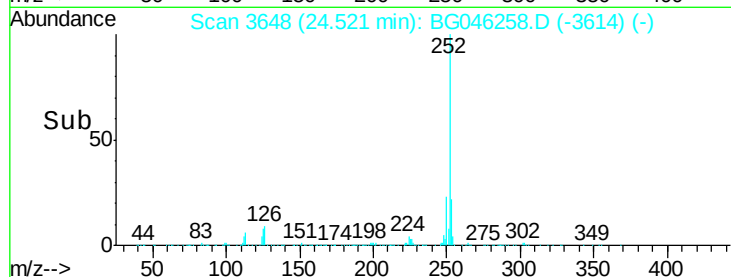
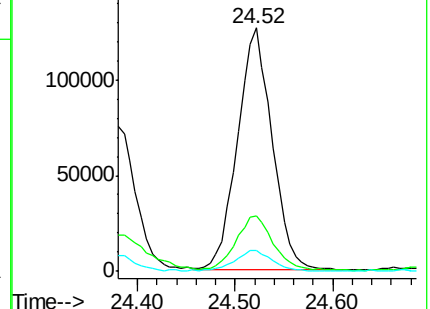
125 8.5 7.1 10.7



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: 3.761 ng/ul

RT: 28.17 min Scan# 4269

Delta R.T. -0.00 min

Lab File: BG046258.D

Acq: 13 Aug 2020 21:03

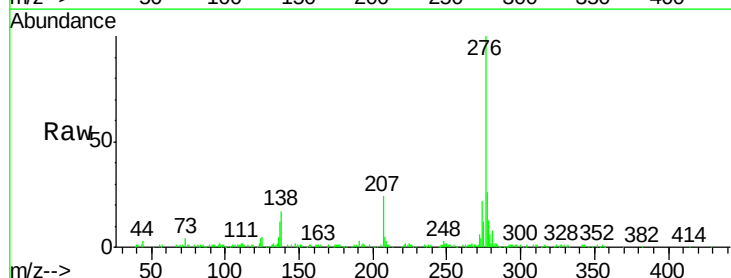
Tgt Ion:276 Resp: 186344

Ion Ratio Lower Upper

276 100

138 17.1 13.2 19.8

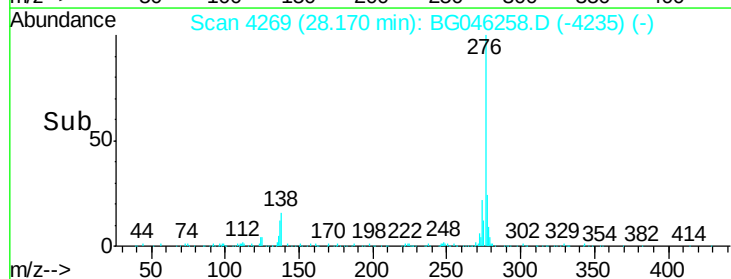
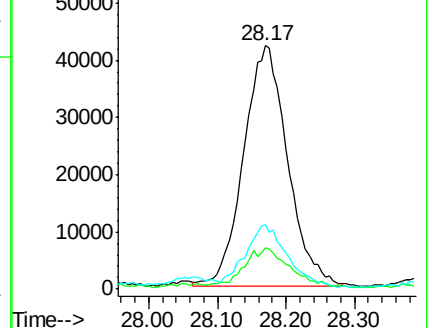
277 26.2 19.9 29.9

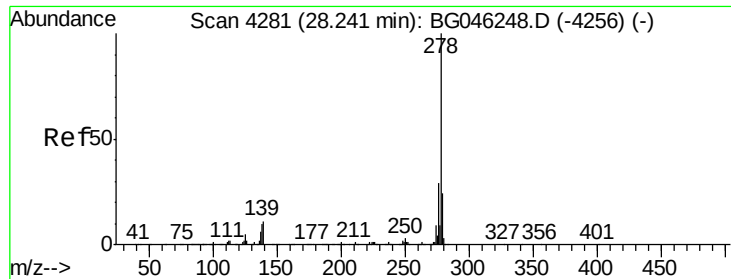


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 1.443 ng/ul

RT: 28.22 min Scan# 4278

Delta R.T. -0.01 min

Lab File: BG046258.D

Acq: 13 Aug 2020 21:03

Instrument :

BNA_G

ClientSampleId :

BFM51

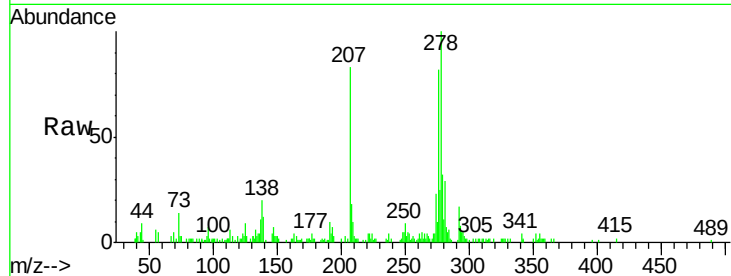
Tot Ion:278 Resp: 57980

Ion Ratio Lower Upper

278 100

139 12.0 9.8 14.8

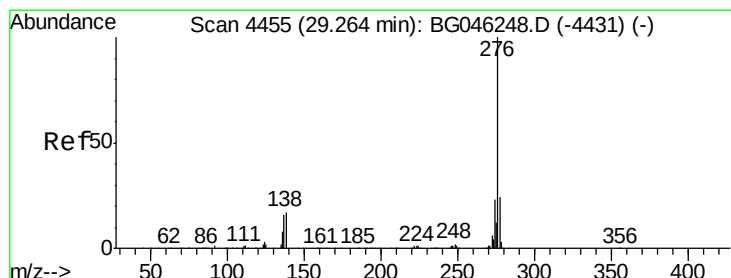
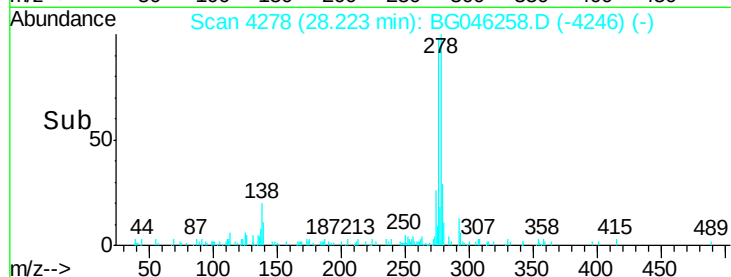
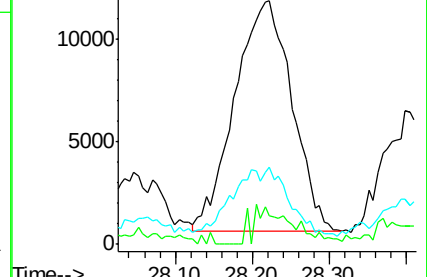
279 31.7 19.7 29.5#



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



#30

Benzo(g,h,i)perylene

Concen: 3.556 ng/ul

RT: 29.26 min Scan# 4455

Delta R.T. -0.00 min

Lab File: BG046258.D

Acq: 13 Aug 2020 21:03

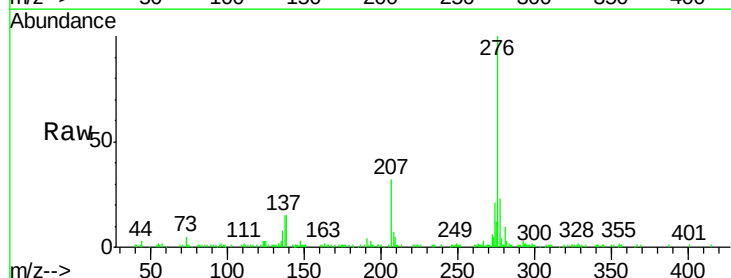
Tgt Ion:276 Resp: 147430

Ion Ratio Lower Upper

276 100

138 15.3 12.9 19.3

277 22.9 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

