

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046387.D
 Acq On : 20 Aug 2020 20:36
 Operator : CG/JU
 Sample : L3634-11
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMF9

Quant Time: Aug 21 00:39:08 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

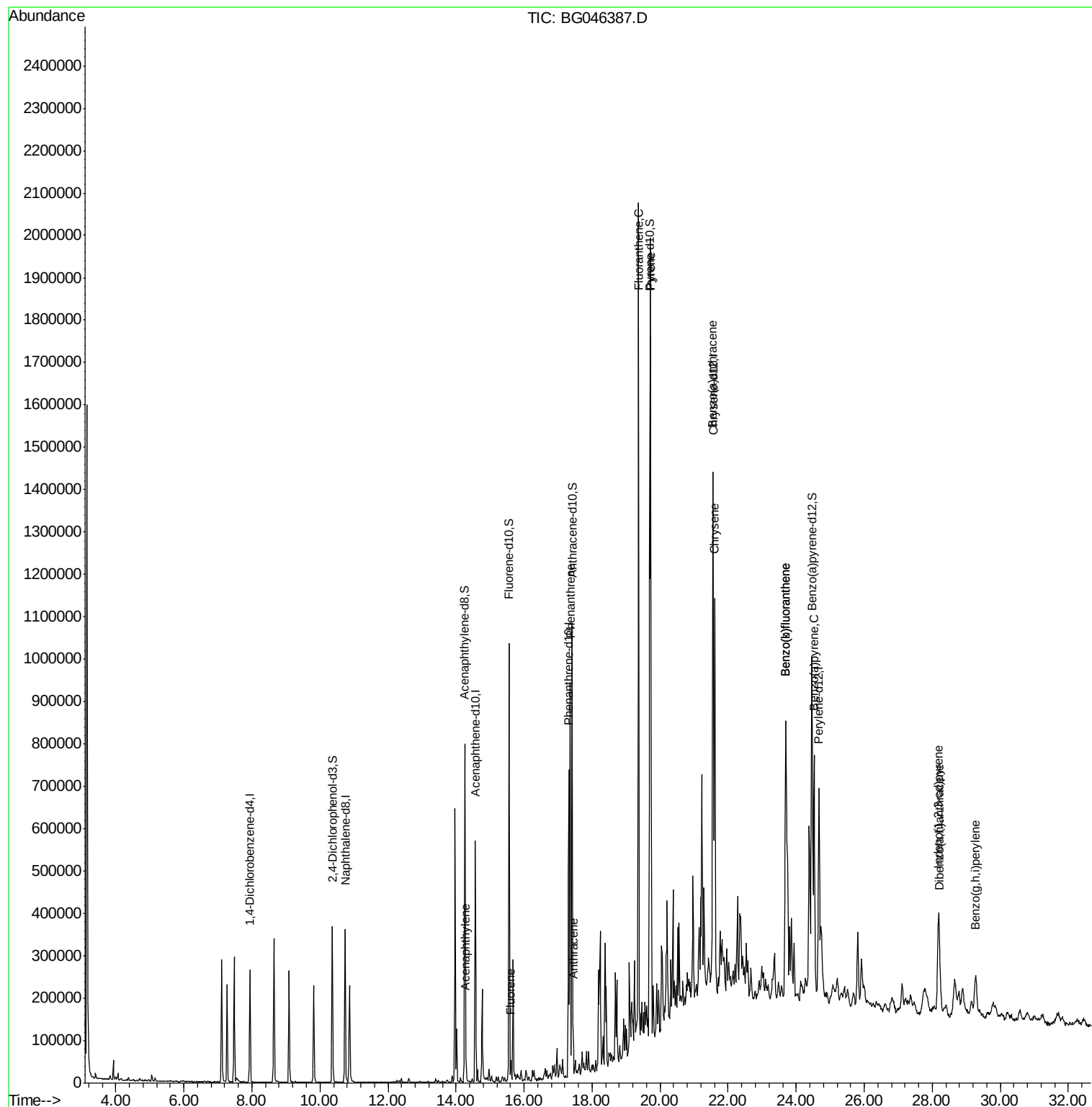
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	82981	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	326131	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	209475	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	479445	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	497229	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	532402	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	163662	29.14	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	582664	30.22	ng/ul	0.00
10) Fluorene-d10	15.56	176	447313	30.28	ng/ul	0.00
15) Anthracene-d10	17.41	188	656161	29.52	ng/ul	0.00
19) Pyrene-d10	19.70	212	778494	30.42	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	894741	30.80	ng/ul	0.01
Target Compounds				Qvalue		
8) Acenaphthylene	14.29	152	49591	2.530	ng/ul	97
11) Fluorene	15.62	166	17926	1.095	ng/ul#	98
14) Phenanthrene	17.35	178	605788	22.967	ng/ul	99
16) Anthracene	17.44	178	78214	2.939	ng/ul	99
17) Fluoranthene	19.36	202	1199716	40.792	ng/ul	99
20) Pyrene	19.73	202	1242257	38.061	ng/ul	99
21) Benzo(a)anthracene	21.54	228	642559	19.862	ng/ul	96
22) Chrysene	21.61	228	698639	22.339	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	841602	23.904	ng/ul	96
25) Benzo(k)fluoranthene	23.69	252	841602	24.098	ng/ul	98
27) Benzo(a)pyrene	24.53	252	608950	18.840	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.18	276	408975	10.105	ng/ul	100
29) Dibenzo(a,h)anthracene	28.21	278	47096	1.435	ng/ul#	84
30) Benzo(a,h,i)perylene	29.28	276	208066	6.143	ng/ul	97

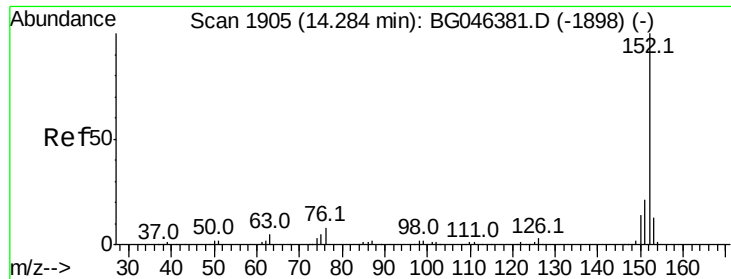
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 2.530 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BG046387.D

Acq: 20 Aug 2020 20:36

Instrument :

BNA_G

ClientSampleId :

BFMF9

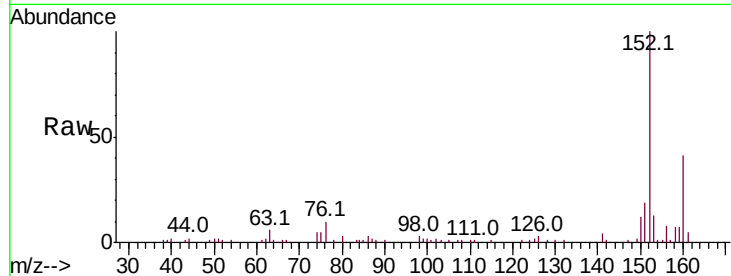
Tot Ion:152 Resp: 49591

Ion Ratio Lower Upper

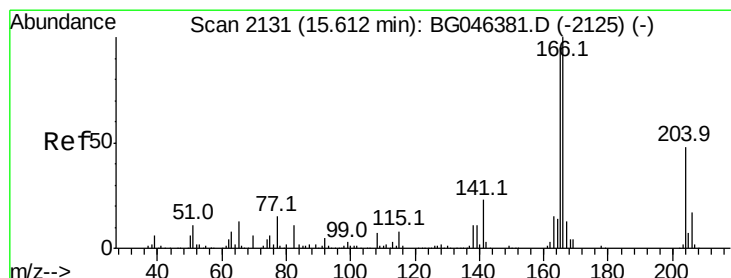
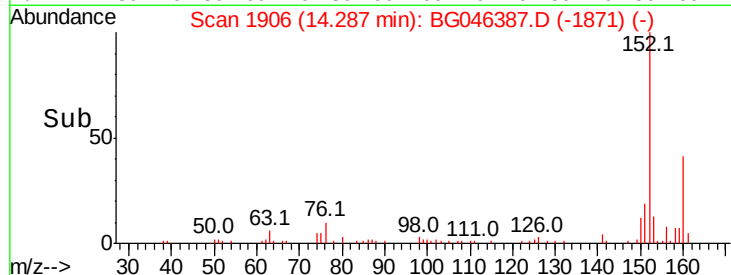
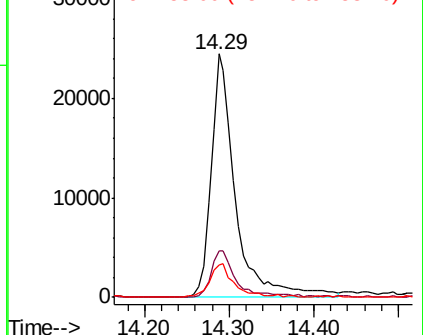
152 100

151 19.2 16.5 24.7

153 13.1 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



#11

Fluorene

Concen: 1.095 ng/ul

RT: 15.62 min Scan# 2132

Delta R.T. 0.00 min

Lab File: BG046387.D

Acq: 20 Aug 2020 20:36

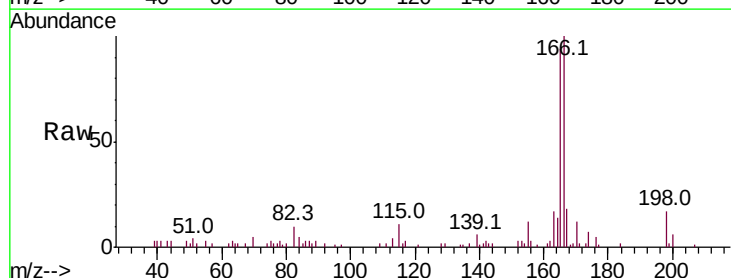
Tgt Ion:166 Resp: 17926

Ion Ratio Lower Upper

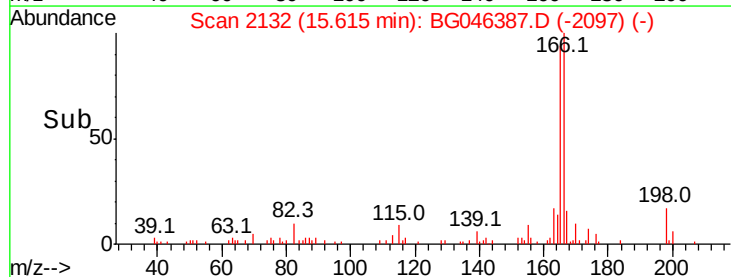
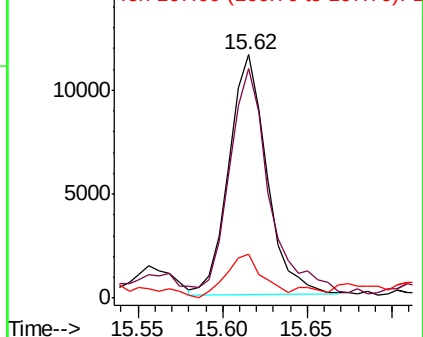
166 100

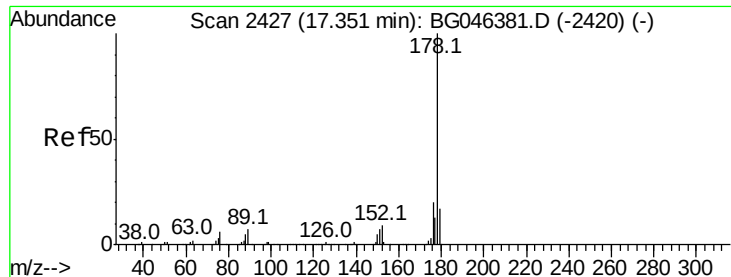
165 94.0 75.9 113.9

167 17.8 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

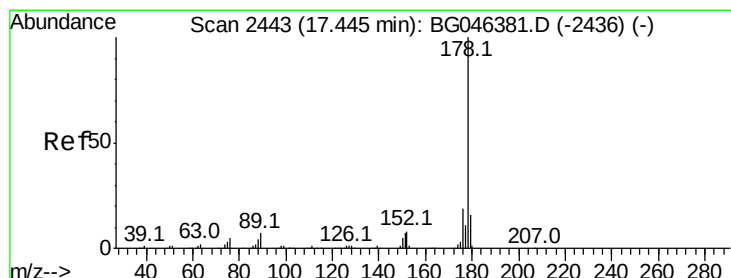
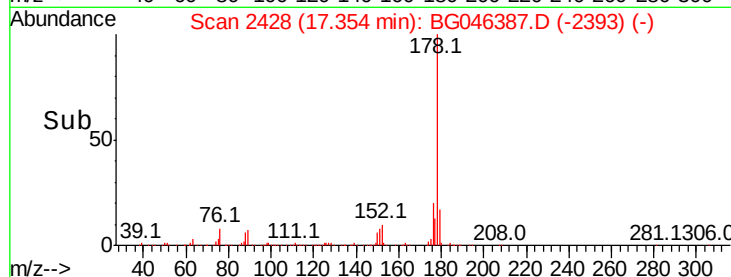
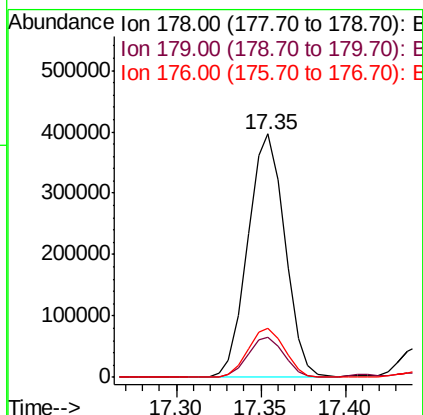
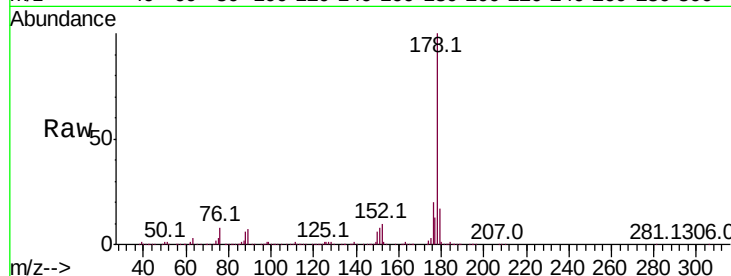




#14
Phenanthrene
Concen: 22.967 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG046387.D
Acq: 20 Aug 2020 20:36

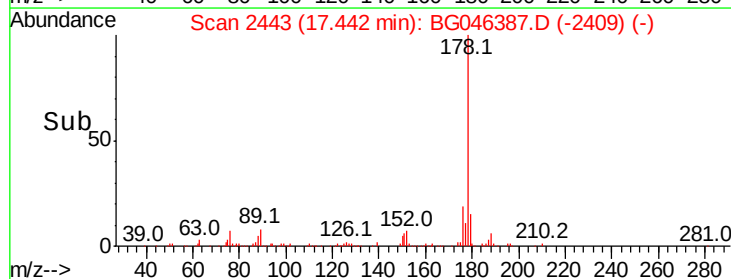
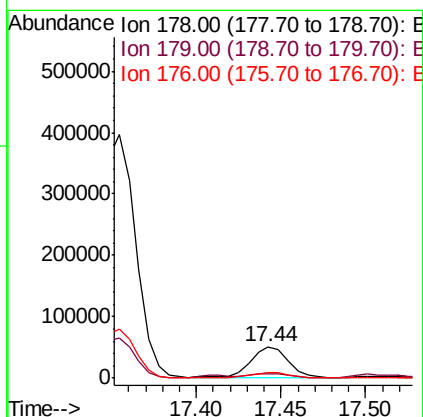
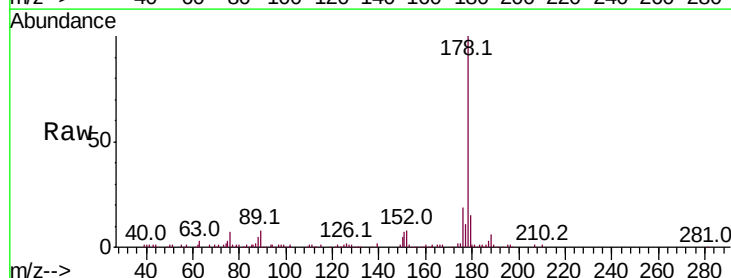
Instrument :
BNA_G
ClientSampled :
BFMF9

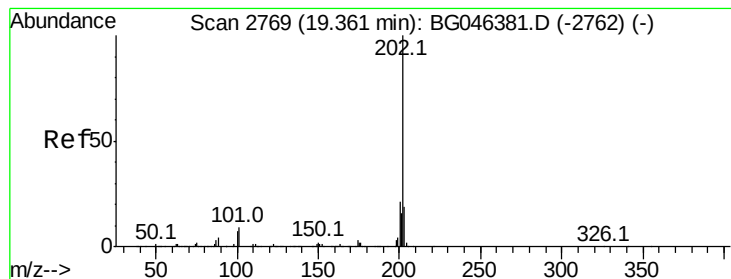
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.8	19.2
176	20.2	15.8	23.8



#16
Anthracene
Concen: 2.939 ng/ul
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG046387.D
Acq: 20 Aug 2020 20:36

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	13.2	19.8
176	19.0	15.2	22.8





#17

Fluoranthene

Concen: 40.792 ng/ul

RT: 19.36 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BG046387.D

Acq: 20 Aug 2020 20:36

Instrument :

BNA_G

ClientSampleId :

BFMF9

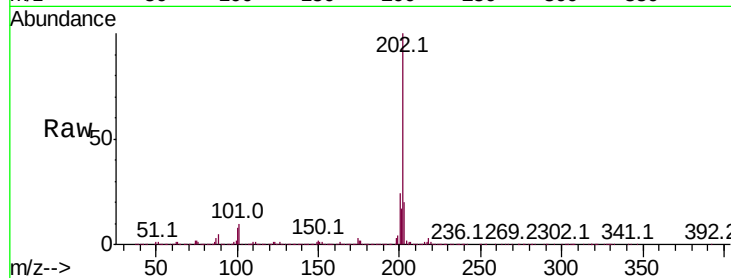
Tot Ion:202 Resp: 1199716

Ion Ratio Lower Upper

202 100

101 10.2 7.8 11.6

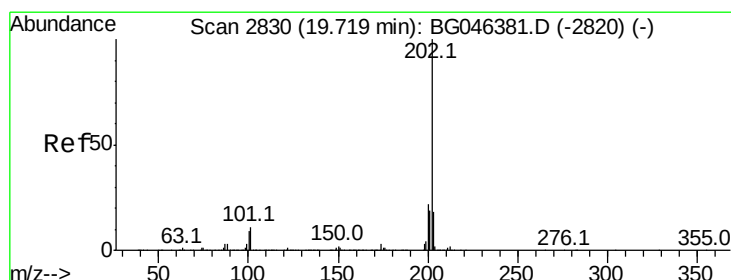
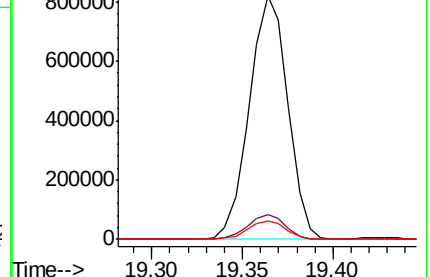
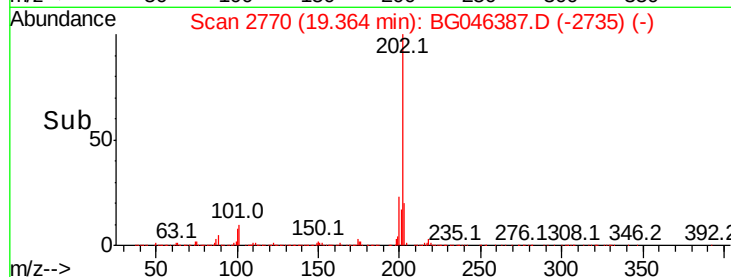
100 7.6 5.9 8.9



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

Pyrene

Concen: 38.061 ng/ul

RT: 19.73 min Scan# 2832

Delta R.T. 0.01 min

Lab File: BG046387.D

Acq: 20 Aug 2020 20:36

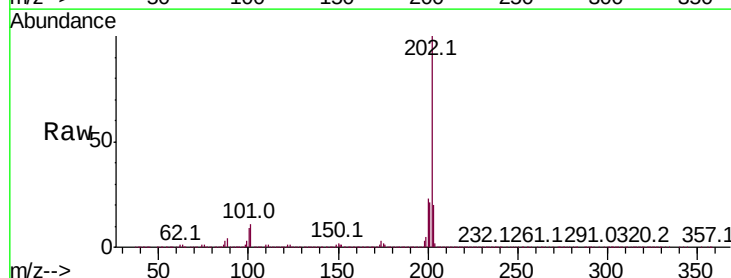
Tgt Ion:202 Resp: 1242257

Ion Ratio Lower Upper

202 100

101 11.4 8.9 13.3

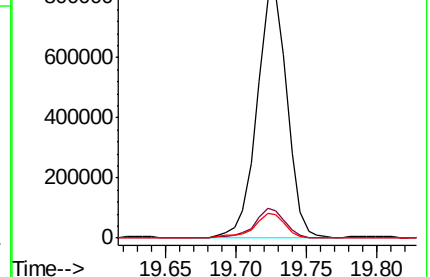
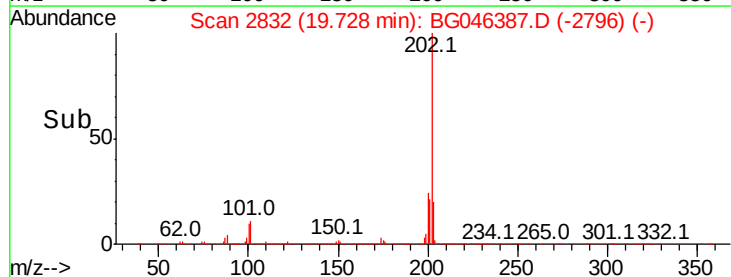
100 9.5 7.9 11.9

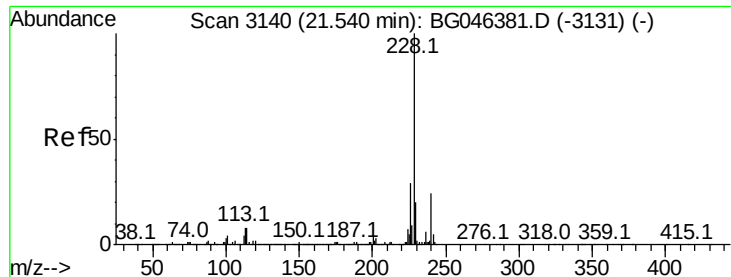


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 19.862 ng/ul

RT: 21.54 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG046387.D

Acq: 20 Aug 2020 20:36

Instrument :

BNA_G

ClientSampleId :

BFMF9

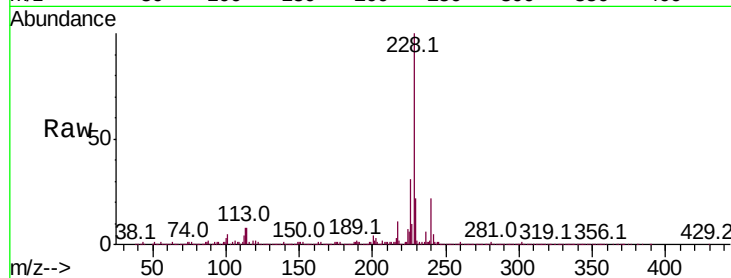
Tot Ion:228 Resp: 642559

Ion Ratio Lower Upper

228 100

229 22.0 16.6 25.0

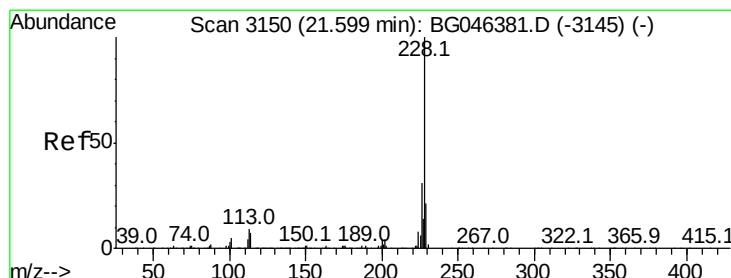
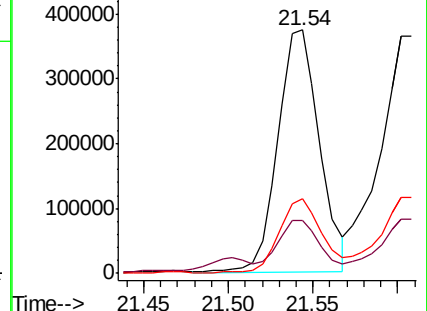
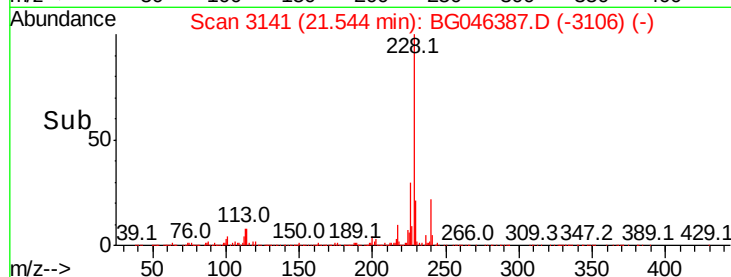
226 30.5 22.6 33.8



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: 22.339 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BG046387.D

Acq: 20 Aug 2020 20:36

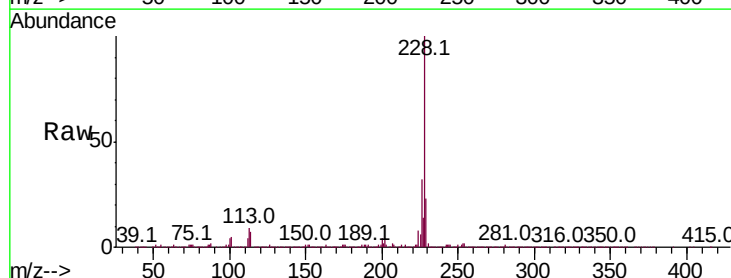
Tgt Ion:228 Resp: 698639

Ion Ratio Lower Upper

228 100

226 32.2 25.5 38.3

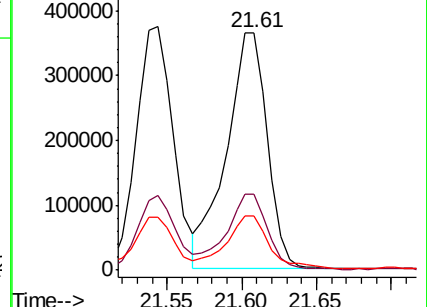
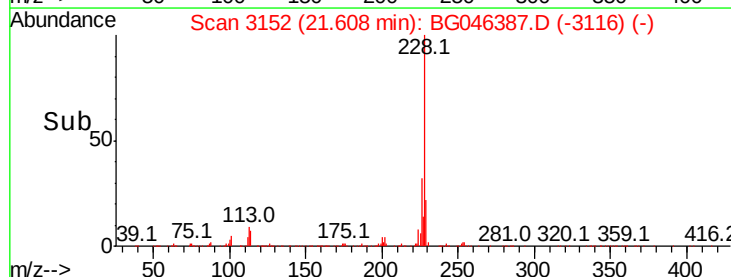
229 22.8 17.0 25.4

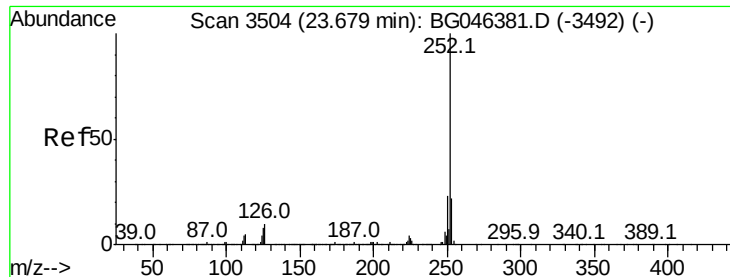


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 23.904 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. 0.01 min

Lab File: BG046387.D

Acq: 20 Aug 2020 20:36

Instrument :

BNA_G

ClientSampleId :

BFMF9

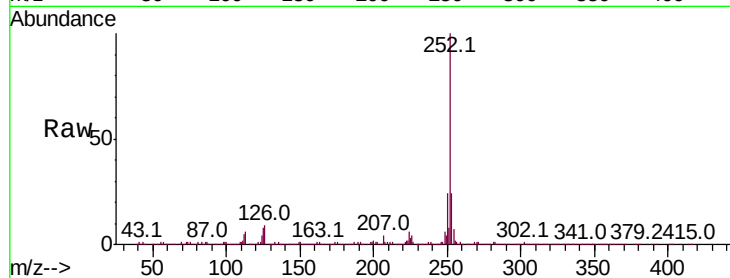
Tot Ion:252 Resp: 841602

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

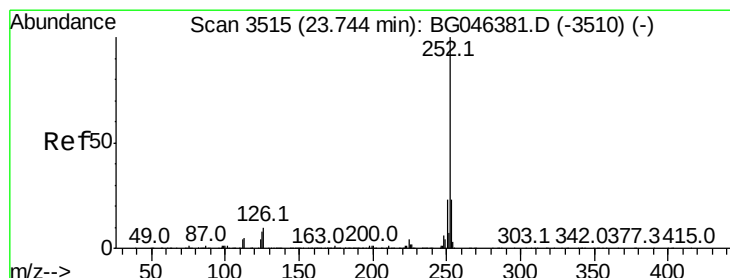
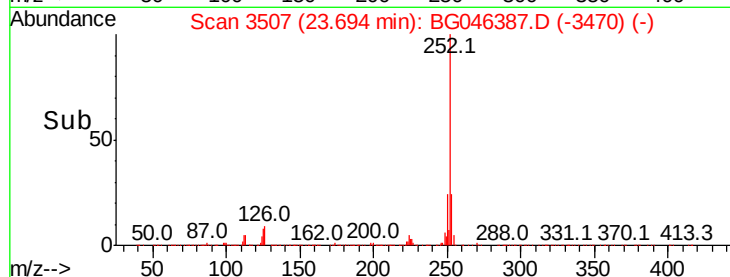
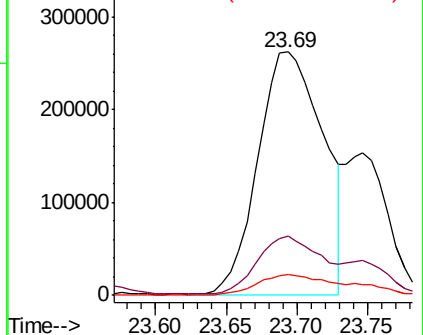
125 8.5 6.4 9.6



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: 24.098 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. -0.05 min

Lab File: BG046387.D

Acq: 20 Aug 2020 20:36

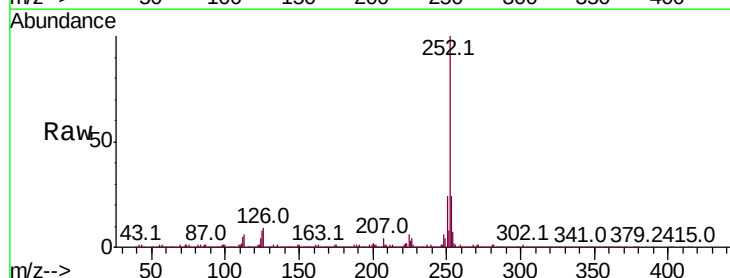
Tgt Ion:252 Resp: 841602

Ion Ratio Lower Upper

252 100

253 24.3 18.5 27.7

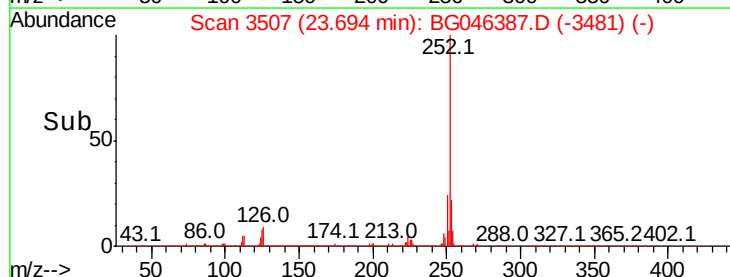
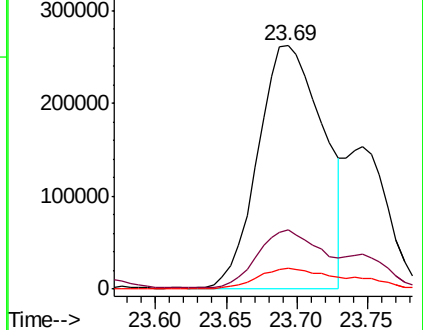
125 8.5 6.2 9.2

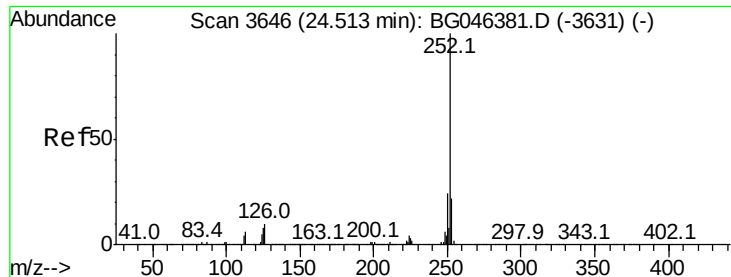


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 18.840 ng/ul

RT: 24.53 min Scan# 3649

Delta R.T. 0.01 min

Lab File: BG046387.D

Acq: 20 Aug 2020 20:36

Instrument :

BNA_G

ClientSampleId :

BFMF9

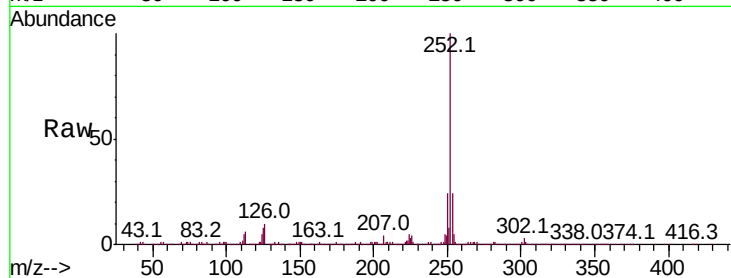
Tot Ion:252 Resp: 608950

Ion Ratio Lower Upper

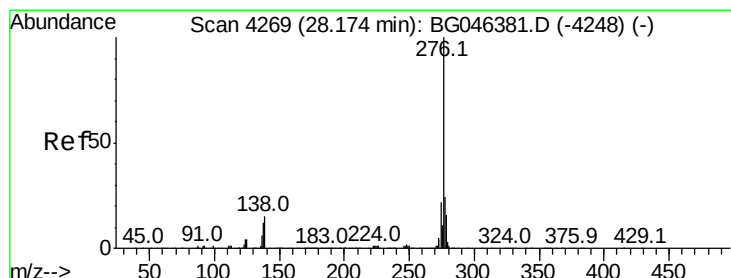
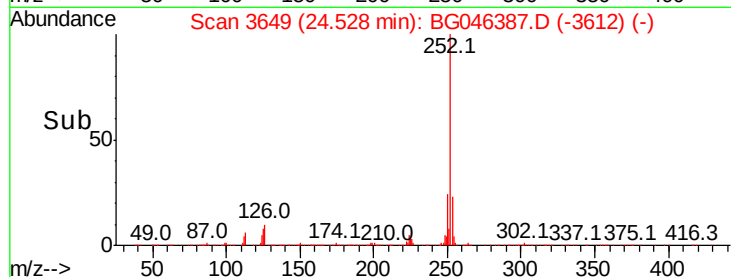
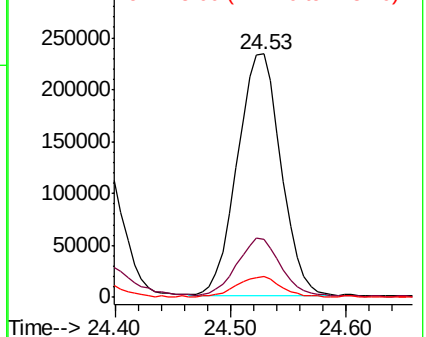
252 100

253 23.7 17.8 26.8

125 8.3 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: 10.105 ng/ul

RT: 28.18 min Scan# 4271

Delta R.T. 0.01 min

Lab File: BG046387.D

Acq: 20 Aug 2020 20:36

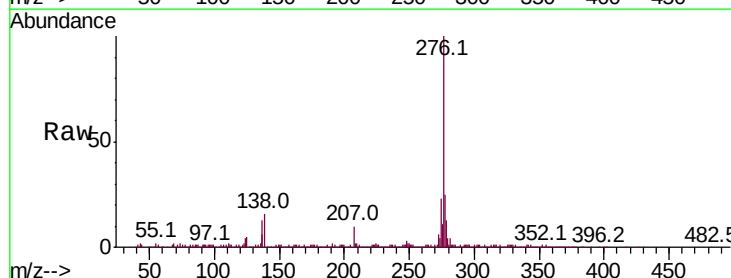
Tgt Ion:276 Resp: 408975

Ion Ratio Lower Upper

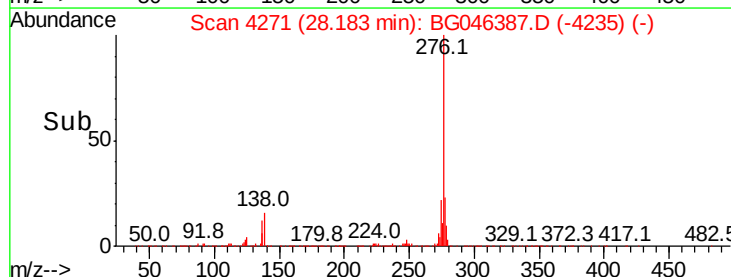
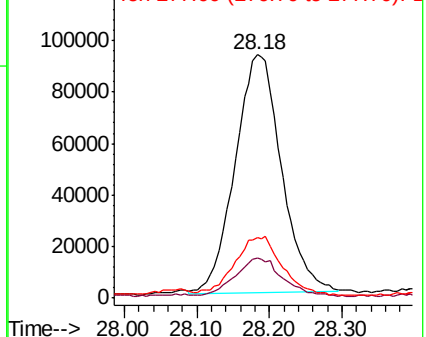
276 100

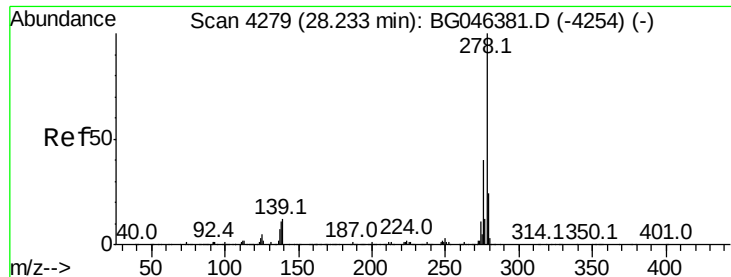
138 16.5 13.2 19.8

277 24.9 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: 1.435 ng/ul

RT: 28.21 min Scan# 4276

Delta R.T. -0.02 min

Lab File: BG046387.D

Acq: 20 Aug 2020 20:36

Instrument :

BNA_G

ClientSampleId :

BFMF9

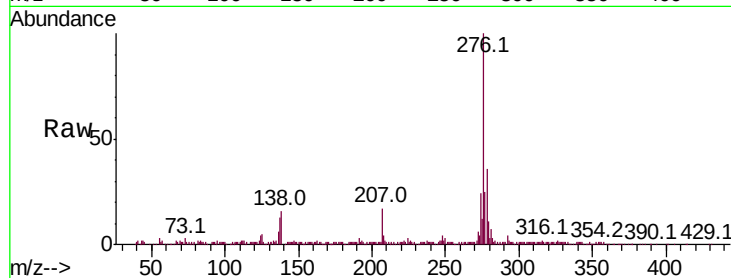
Tot Ion:278 Resp: 47096

Ion Ratio Lower Upper

278 100

139 0.0 9.8 14.8#

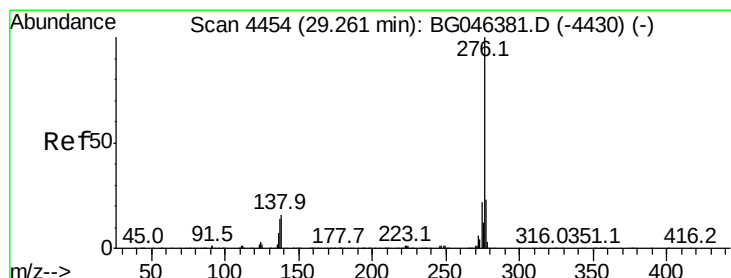
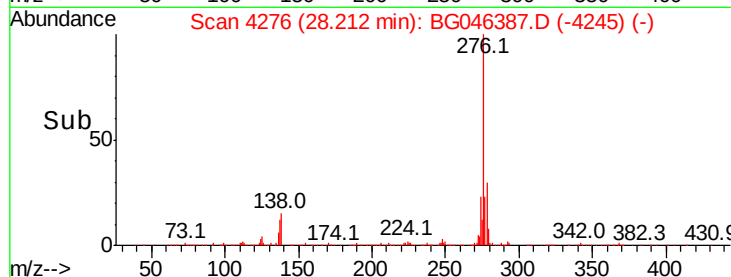
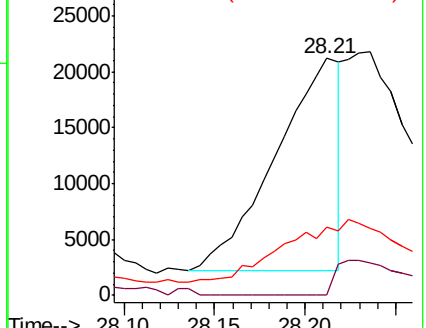
279 29.0 19.7 29.5



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: 6.143 ng/ul

RT: 29.28 min Scan# 4458

Delta R.T. 0.02 min

Lab File: BG046387.D

Acq: 20 Aug 2020 20:36

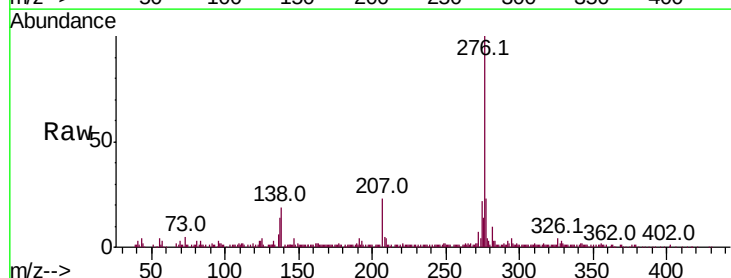
Tgt Ion:276 Resp: 208066

Ion Ratio Lower Upper

276 100

138 18.6 12.9 19.3

277 23.4 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

