

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046367.D
 Acq On : 20 Aug 2020 6:09
 Operator : CG/JU
 Sample : L3633-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMA0

Quant Time: Aug 20 06:47:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 04:05:44 2020
 Response via : Initial Calibration

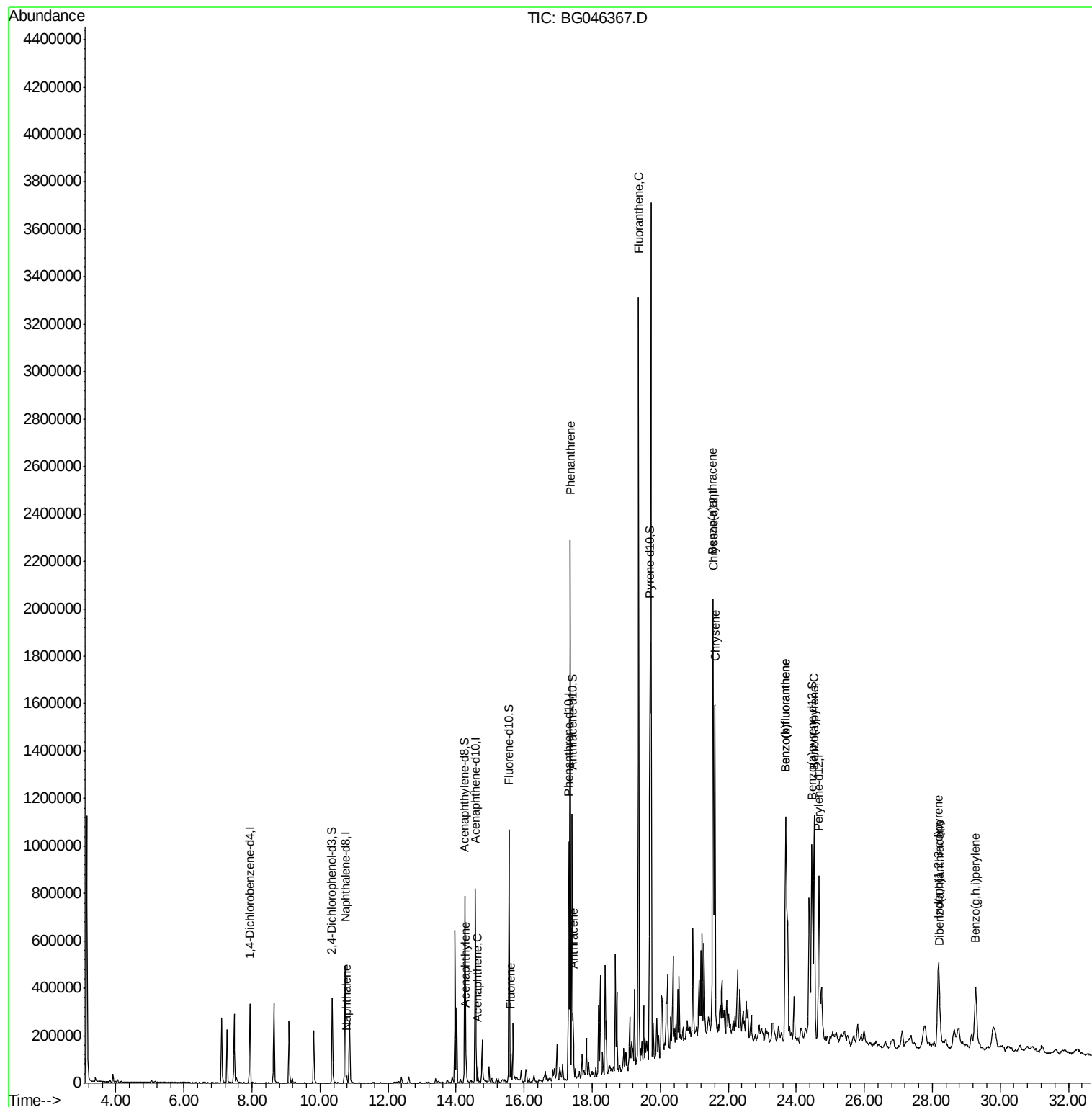
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	108509	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	437248	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	291227	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	663367	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	664910	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	721925	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	160221	21.28	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	590513	22.03	ng/ul	0.00
10) Fluorene-d10	15.56	176	461623	22.48	ng/ul	0.00
15) Anthracene-d10	17.41	188	667597	21.71	ng/ul	0.00
19) Pyrene-d10	19.70	212	794343	23.21	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	908845	23.07	ng/ul	0.01
Target Compounds				Qvalue		
4) Naphthalene	10.78	128	26384	1.160	ng/ul	99
8) Acenaphthylene	14.29	152	105701	3.879	ng/ul	100
9) Acenaphthene	14.63	153	29085	1.495	ng/ul	95
11) Fluorene	15.61	166	48890	2.149	ng/ul	95
14) Phenanthrene	17.35	178	1424035	39.021	ng/ul	95
16) Anthracene	17.44	178	182383	4.953	ng/ul	99
17) Fluoranthene	19.37	202	2042187	50.185	ng/ul	97
21) Benzo(a)anthracene	21.54	228	957705	22.138	ng/ul	94
22) Chrysene	21.61	228	998424	23.874	ng/ul	99
24) Benzo(b)fluoranthene	23.69	252	1298159	27.192	ng/ul	97
25) Benzo(k)fluoranthene	23.69	252	1298159	27.412	ng/ul	98
27) Benzo(a)pyrene	24.53	252	964154	21.998	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.18	276	655299	11.941	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	83023	1.866	ng/ul	96
30) Benzo(a,h,i)perylene	29.27	276	527047	11.476	ng/ul	99

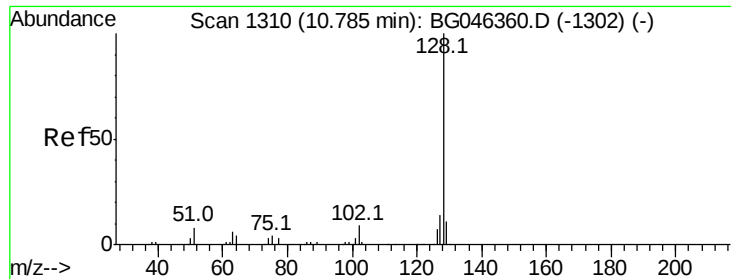
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.160 ng/ul

RT: 10.78 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Instrument :

BNA_G

ClientSampleId :

BFMA0

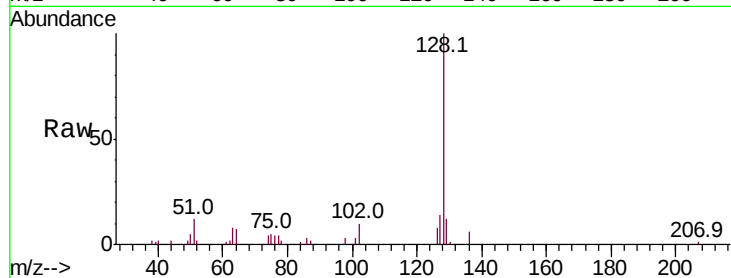
Tot Ion:128 Resp: 26384

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

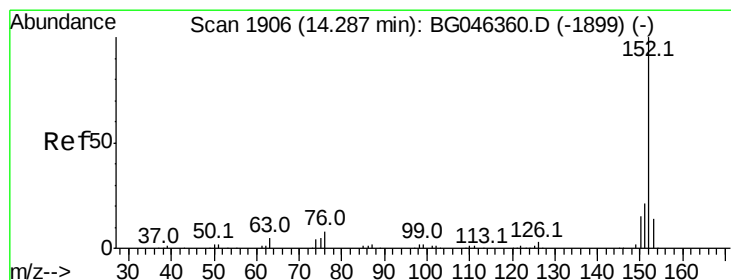
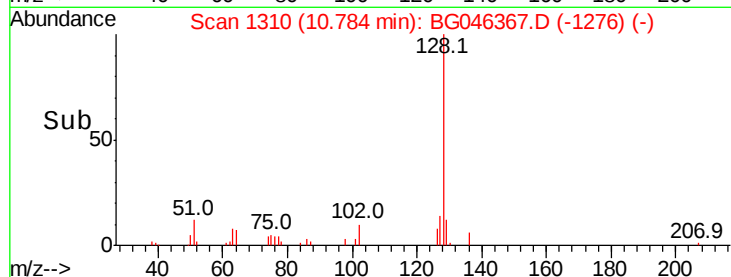
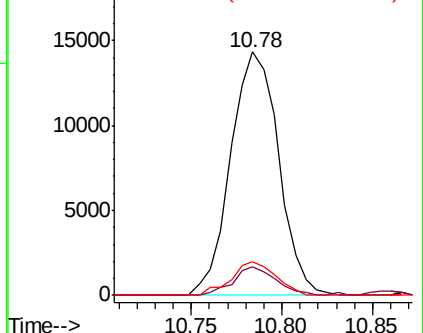
127 13.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#8

Acenaphthylene

Concen: 3.879 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

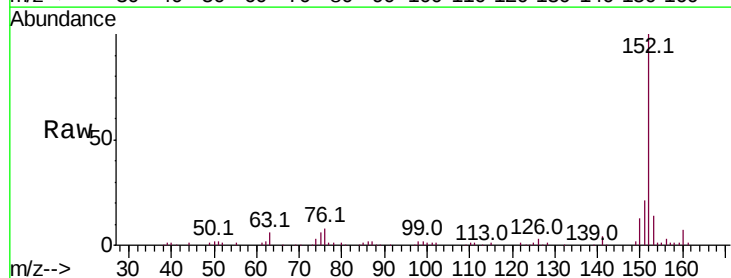
Tgt Ion:152 Resp: 105701

Ion Ratio Lower Upper

152 100

151 20.6 16.5 24.7

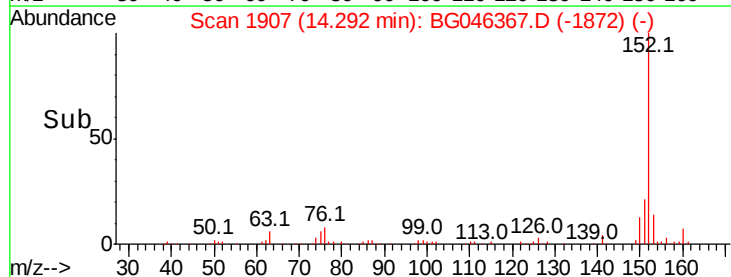
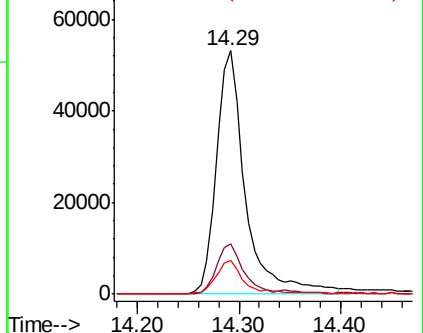
153 13.8 11.0 16.6

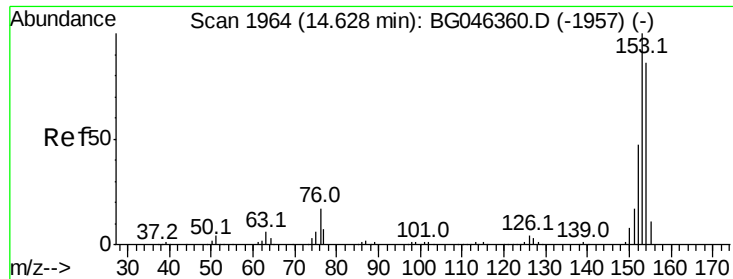


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.495 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Instrument :

BNA_G

ClientSampleId :

BFMA0

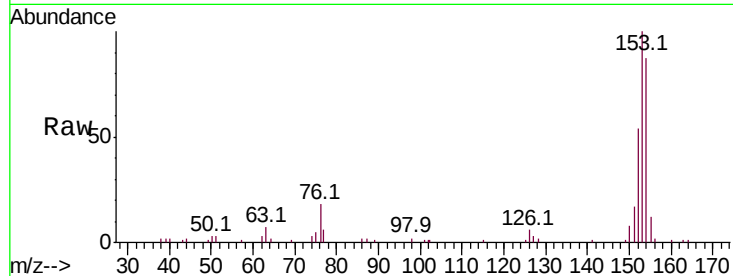
Tot Ion:153 Resp: 29085

Ion Ratio Lower Upper

153 100

152 53.7 37.2 55.8

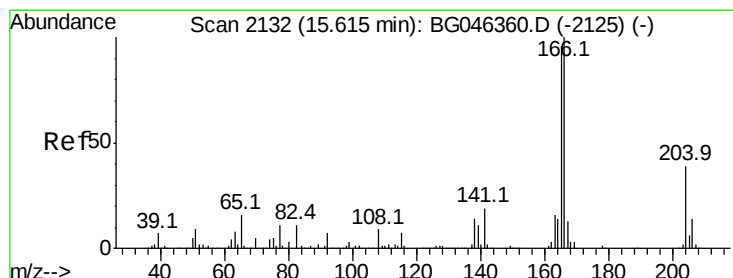
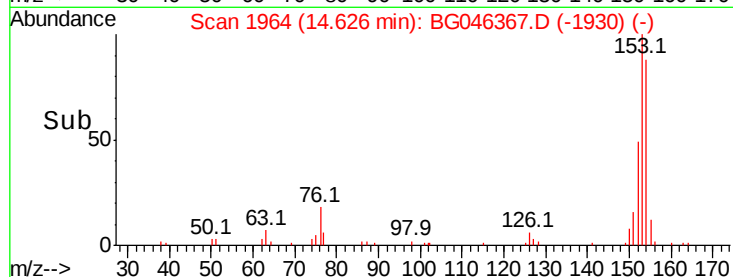
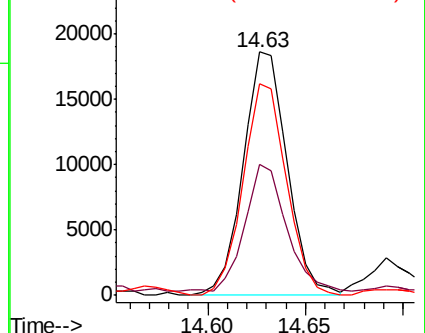
154 87.0 67.8 101.6



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: 2.149 ng/ul

RT: 15.61 min Scan# 2132

Delta R.T. -0.00 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

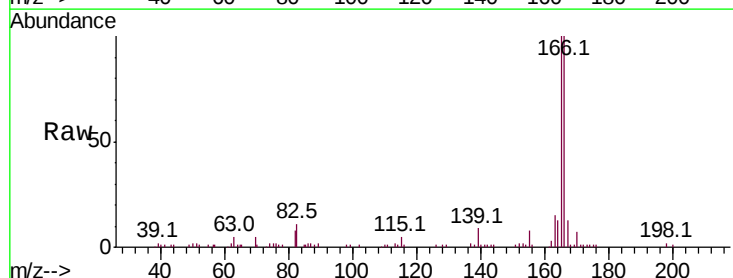
Tgt Ion:166 Resp: 48890

Ion Ratio Lower Upper

166 100

165 100.5 75.9 113.9

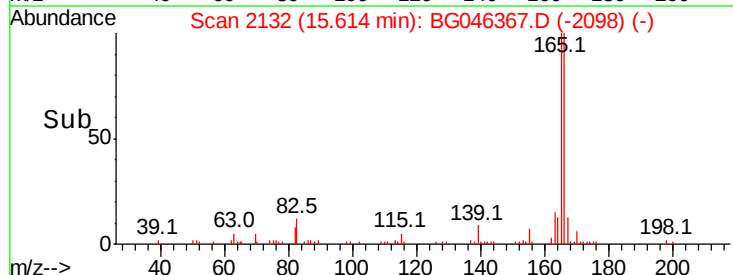
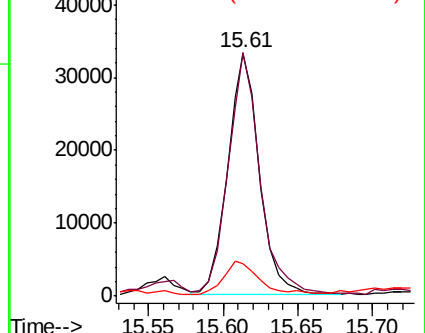
167 13.2 10.7 16.1

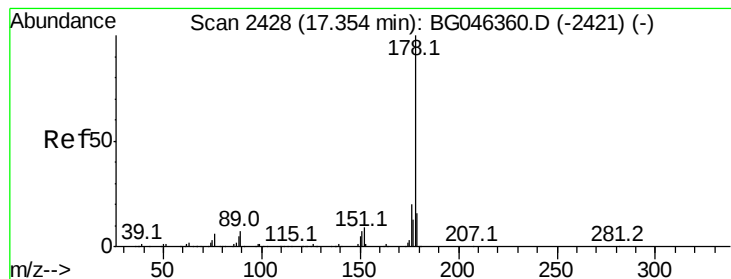


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 39.021 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Instrument :

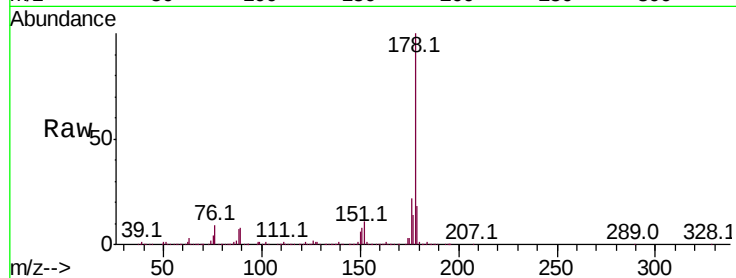
BNA_G

ClientSampleId :

BFMA0

Tot Ion:178 Resp: 1424035

Ion	Ratio	Lower	Upper
178	100		
179	18.1	12.8	19.2
176	22.4	15.8	23.8

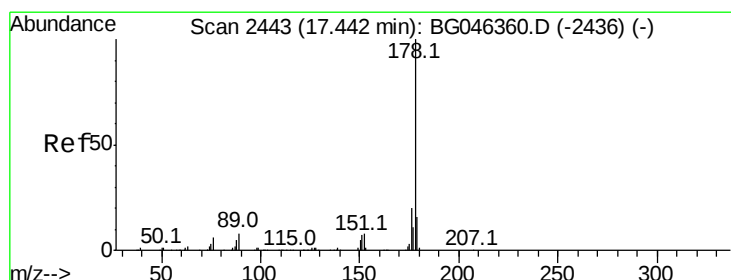
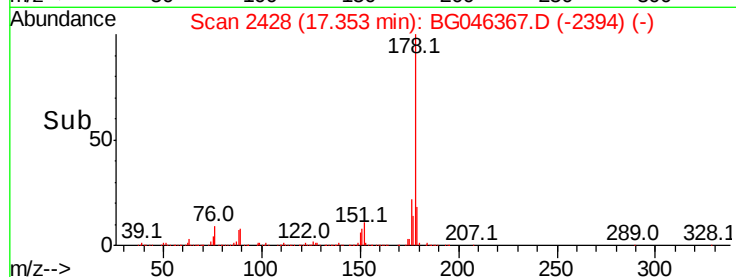
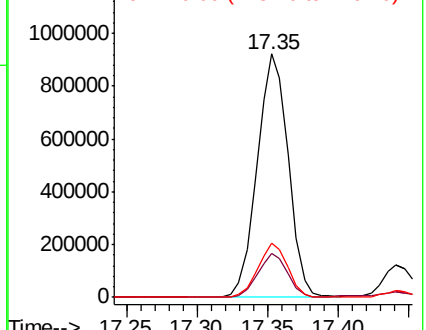


Abundance

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: 4.953 ng/ul

RT: 17.44 min Scan# 2443

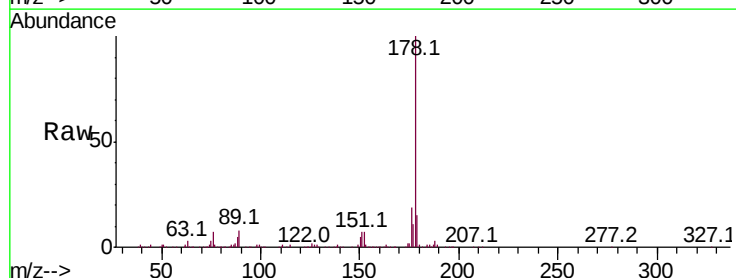
Delta R.T. -0.00 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Tgt Ion:178 Resp: 182383

Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.2	19.8
176	19.2	15.2	22.8

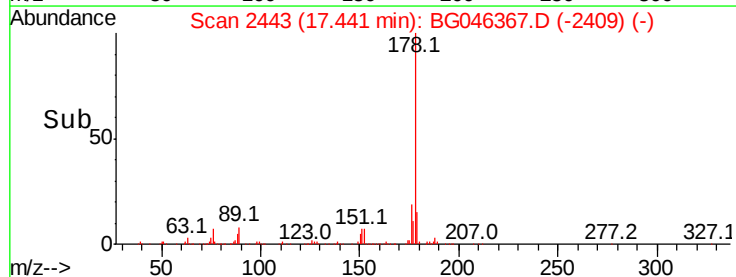
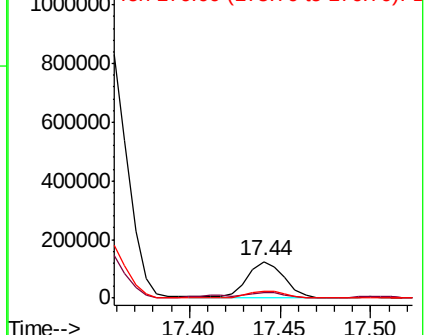


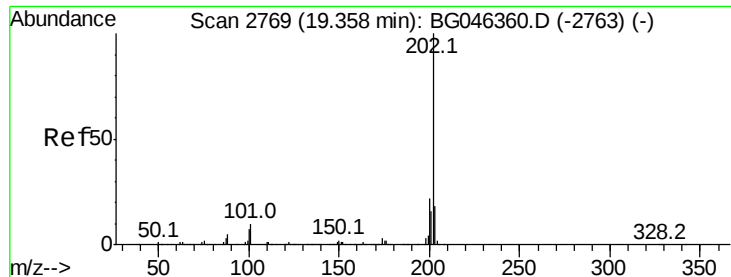
Abundance

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



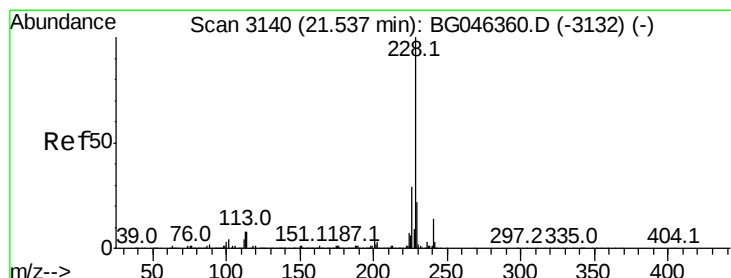
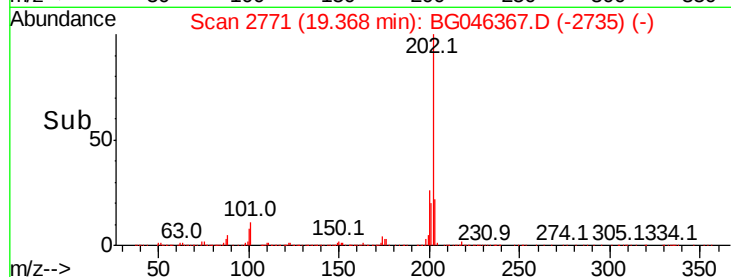
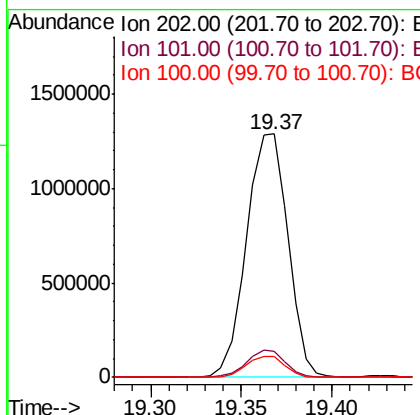
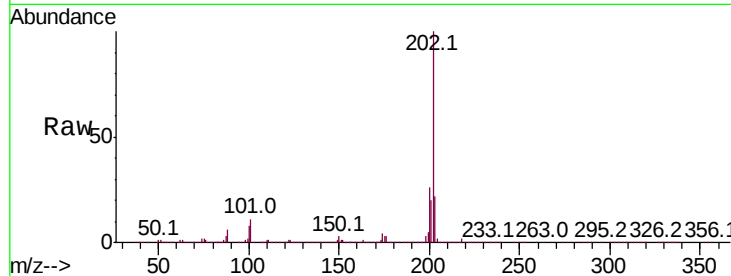


#17
 Fluoranthene
 Concen: 50.185 ng/ul
 RT: 19.37 min Scan# 2771
 Delta R.T. 0.01 min
 Lab File: BG046367.D
 Acq: 20 Aug 2020 6:09

Instrument :
 BNA_G
 ClientSampleId :
 BFMA0

Tot Ion:202 Resp: 2042187

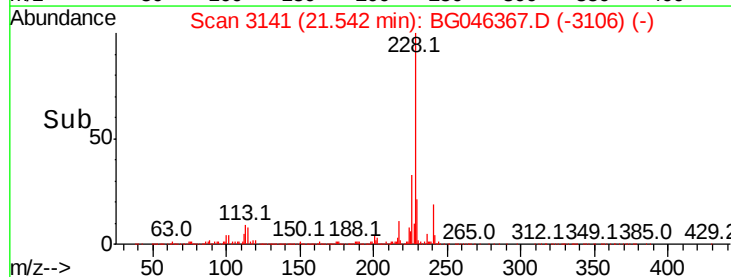
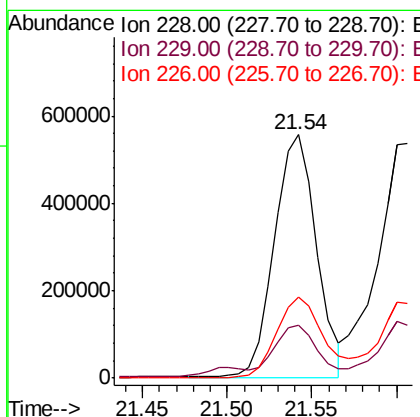
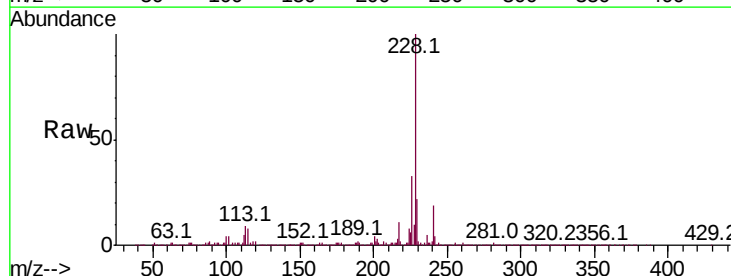
Ion	Ratio	Lower	Upper
202	100		
101	10.9	7.8	11.6
100	8.4	5.9	8.9

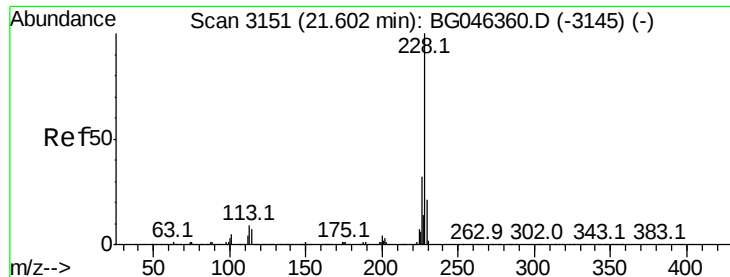


#21
 Benzo(a)anthracene
 Concen: 22.138 ng/ul
 RT: 21.54 min Scan# 3141
 Delta R.T. 0.00 min
 Lab File: BG046367.D
 Acq: 20 Aug 2020 6:09

Tgt Ion:228 Resp: 957705

Ion	Ratio	Lower	Upper
228	100		
229	21.7	16.6	25.0
226	33.1	22.6	33.8





#22

Chrysene

Concen: 23.874 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Instrument :

BNA_G

ClientSampleId :

BFMA0

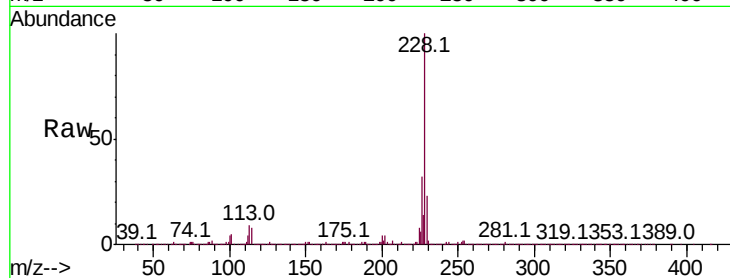
Tot Ion:228 Resp: 998424

Ion Ratio Lower Upper

228 100

226 31.8 25.5 38.3

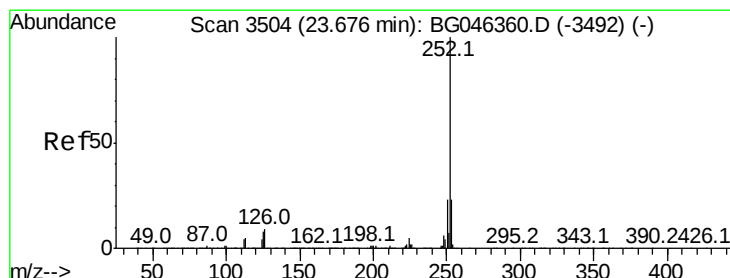
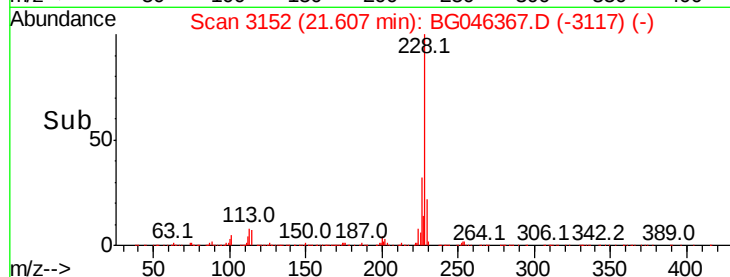
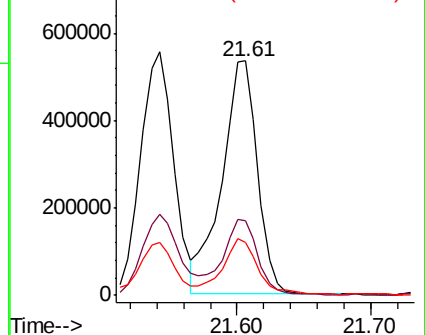
229 22.5 17.0 25.4



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: 27.192 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. 0.02 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

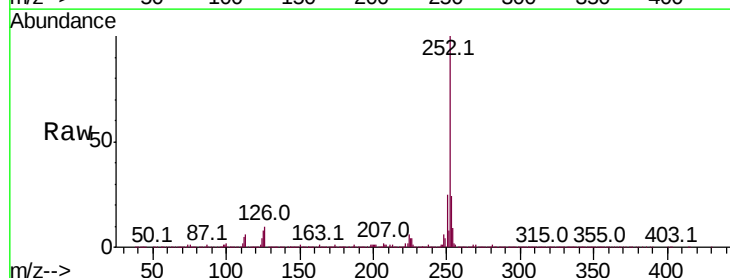
Tgt Ion:252 Resp: 1298159

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

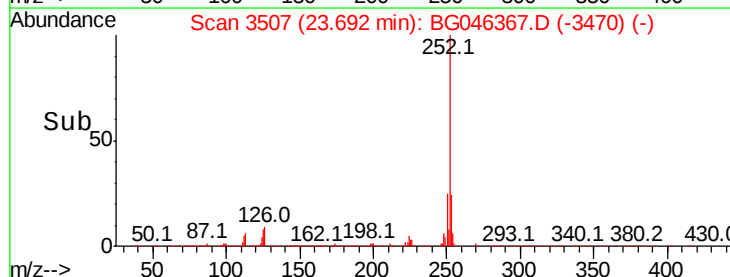
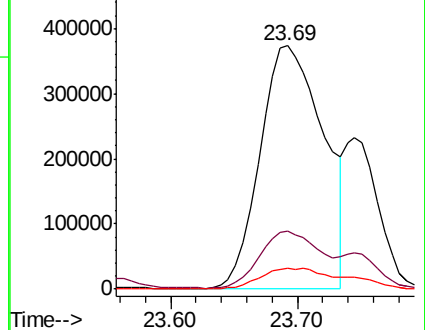
125 8.3 6.4 9.6

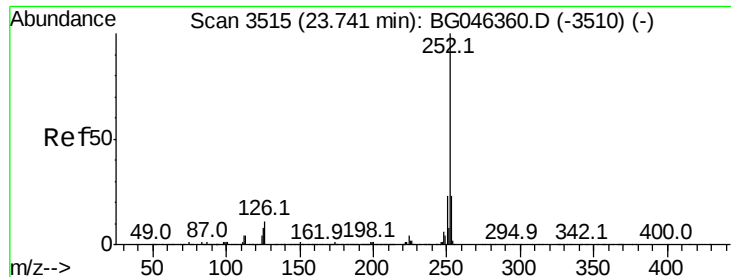


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 27.412 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. -0.05 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Instrument :

BNA_G

ClientSampleId :

BFMA0

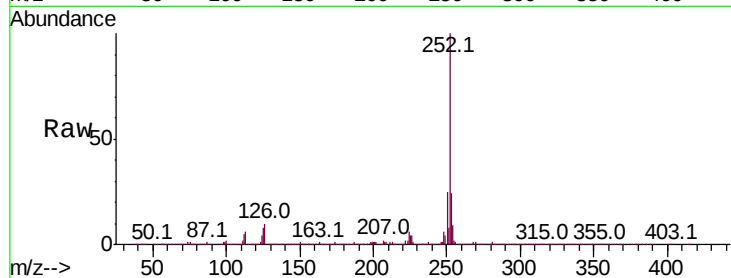
Tot Ion:252 Resp: 1298159

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.5	27.7
125	8.3	6.2	9.2

252 100

253 23.9 18.5 27.7

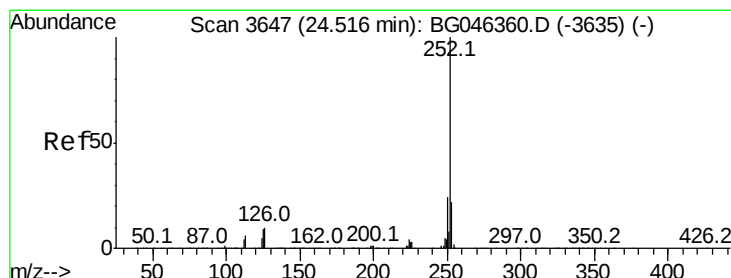
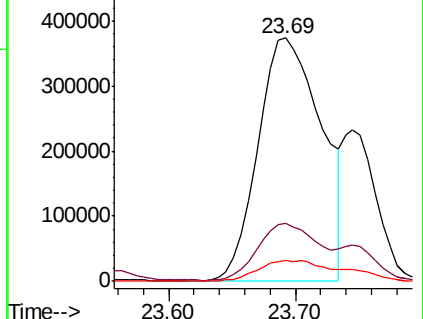
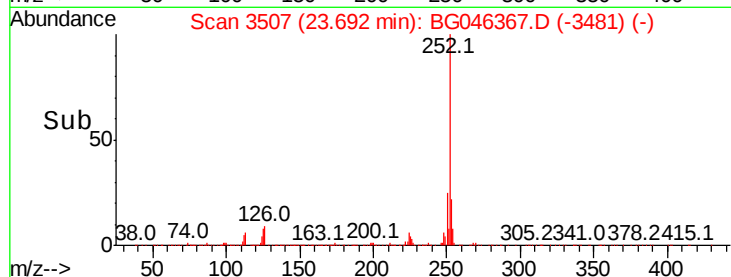
125 8.3 6.2 9.2



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: 21.998 ng/ul

RT: 24.53 min Scan# 3649

Delta R.T. 0.01 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

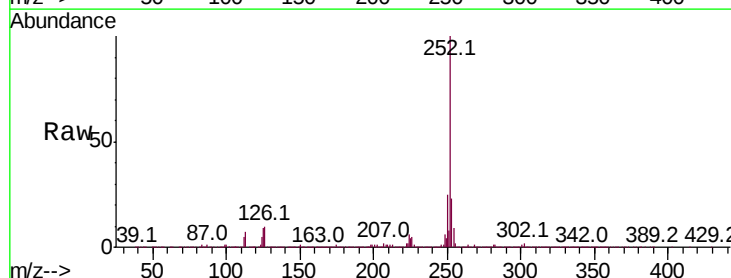
Tgt Ion:252 Resp: 964154

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	8.8	7.1	10.7

252 100

253 23.3 17.8 26.8

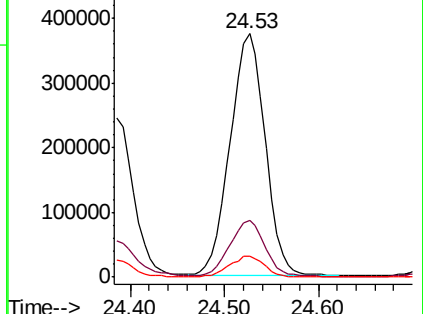
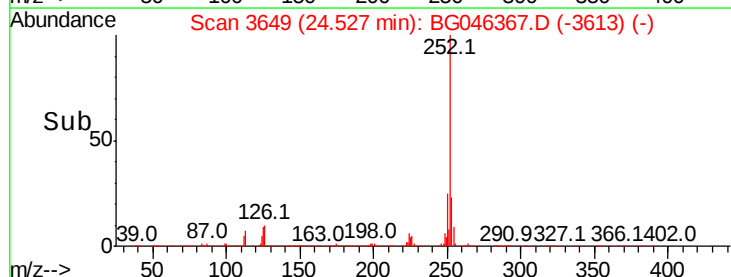
125 8.8 7.1 10.7

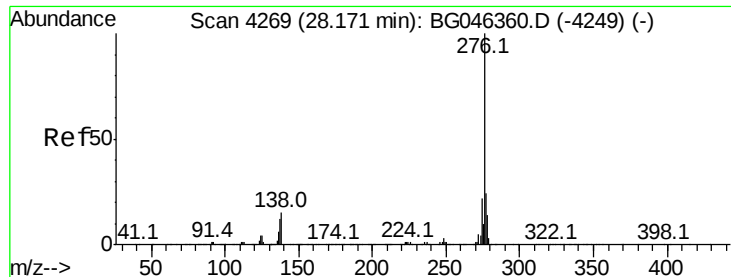


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

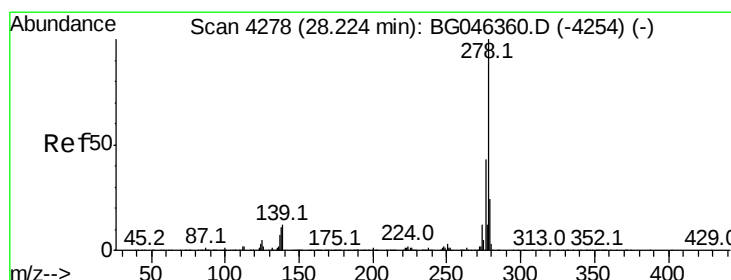
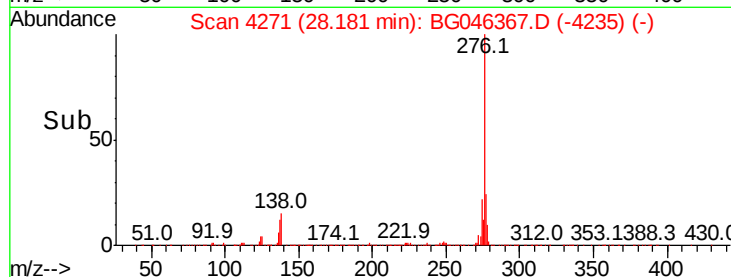
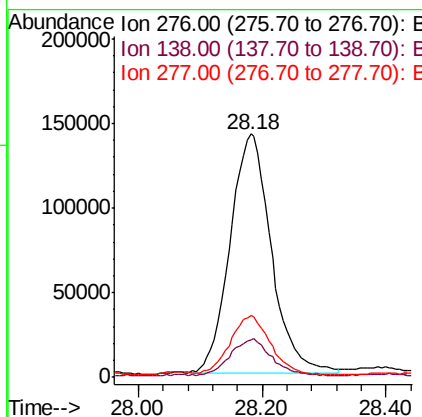
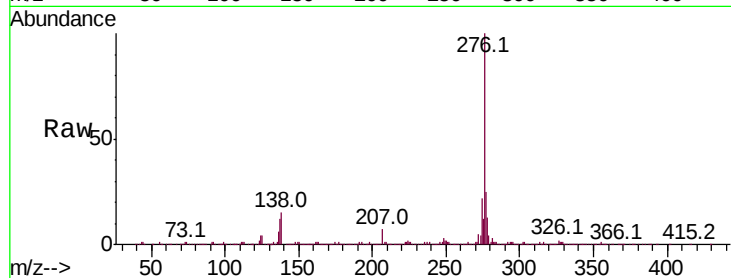




#28
 Indeno(1,2,3-cd)pyrene
 Concen: 11.941 ng/ul
 RT: 28.18 min Scan# 4271
 Delta R.T. 0.01 min
 Lab File: BG046367.D
 Acq: 20 Aug 2020 6:09

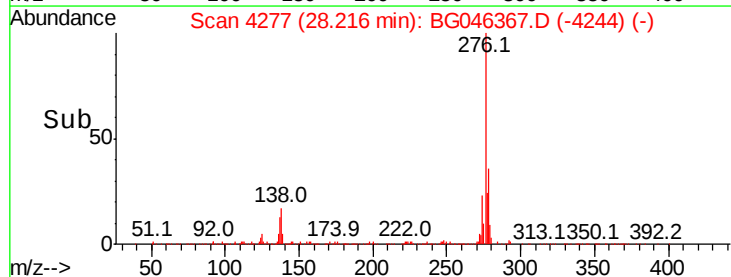
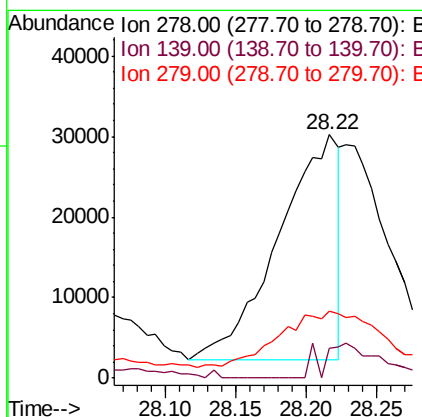
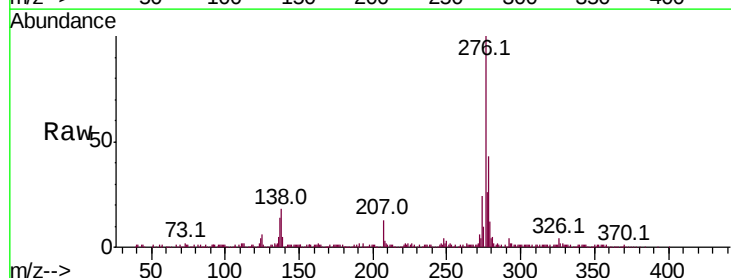
Instrument :
 BNA_G
 ClientSampleId :
 BFMA0

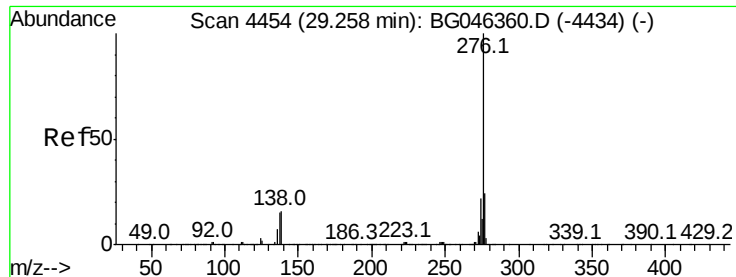
Tot Ion:	276	Resp:	655299
Ion	Ratio	Lower	Upper
276	100		
138	15.3	13.2	19.8
277	25.2	19.9	29.9



#29
 Dibenzo(a,h)anthracene
 Concen: 1.866 ng/ul
 RT: 28.22 min Scan# 4277
 Delta R.T. -0.01 min
 Lab File: BG046367.D
 Acq: 20 Aug 2020 6:09

Tgt Ion:	278	Resp:	83023
Ion	Ratio	Lower	Upper
278	100		
139	12.5	9.8	14.8
279	27.7	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 11.476 ng/ul

RT: 29.27 min Scan# 4457

Delta R.T. 0.02 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Instrument :

BNA_G

ClientSampleId :

BFMA0

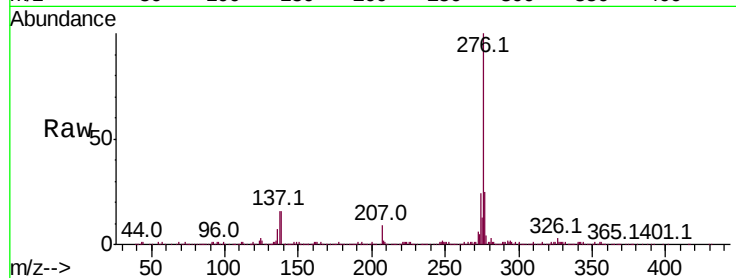
Tot Ion:276 Resp: 527047

Ion Ratio Lower Upper

276 100

138 15.7 12.9 19.3

277 24.9 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

