

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046306.D
 Acq On : 17 Aug 2020 21:55
 Operator : CG/JU
 Sample : L3632-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM80

Quant Time: Aug 18 01:26:25 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	7.94	152	71537	20.00	ng/ul	-0.01
2) Naphthalene-d8	10.73	136	318747	20.00	ng/ul	-0.01
6) Acenaphthene-d10	14.56	164	239047	20.00	ng/ul	-0.01
12) Phenanthrene-d10	17.31	188	575070	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	561738	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	602574	20.00	ng/ul	0.00

System Monitoring Compounds

3) 2,4-Dichlorophenol-d3	10.36	165	185160	33.74	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	757231	34.42	ng/ul	0.00
10) Fluorene-d10	15.56	176	582172	34.53	ng/ul	0.00
15) Anthracene-d10	17.41	188	880504	33.03	ng/ul	0.00
19) Pyrene-d10	19.69	212	1013512	35.05	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	1128280	34.31	ng/ul	0.00

Target Compounds

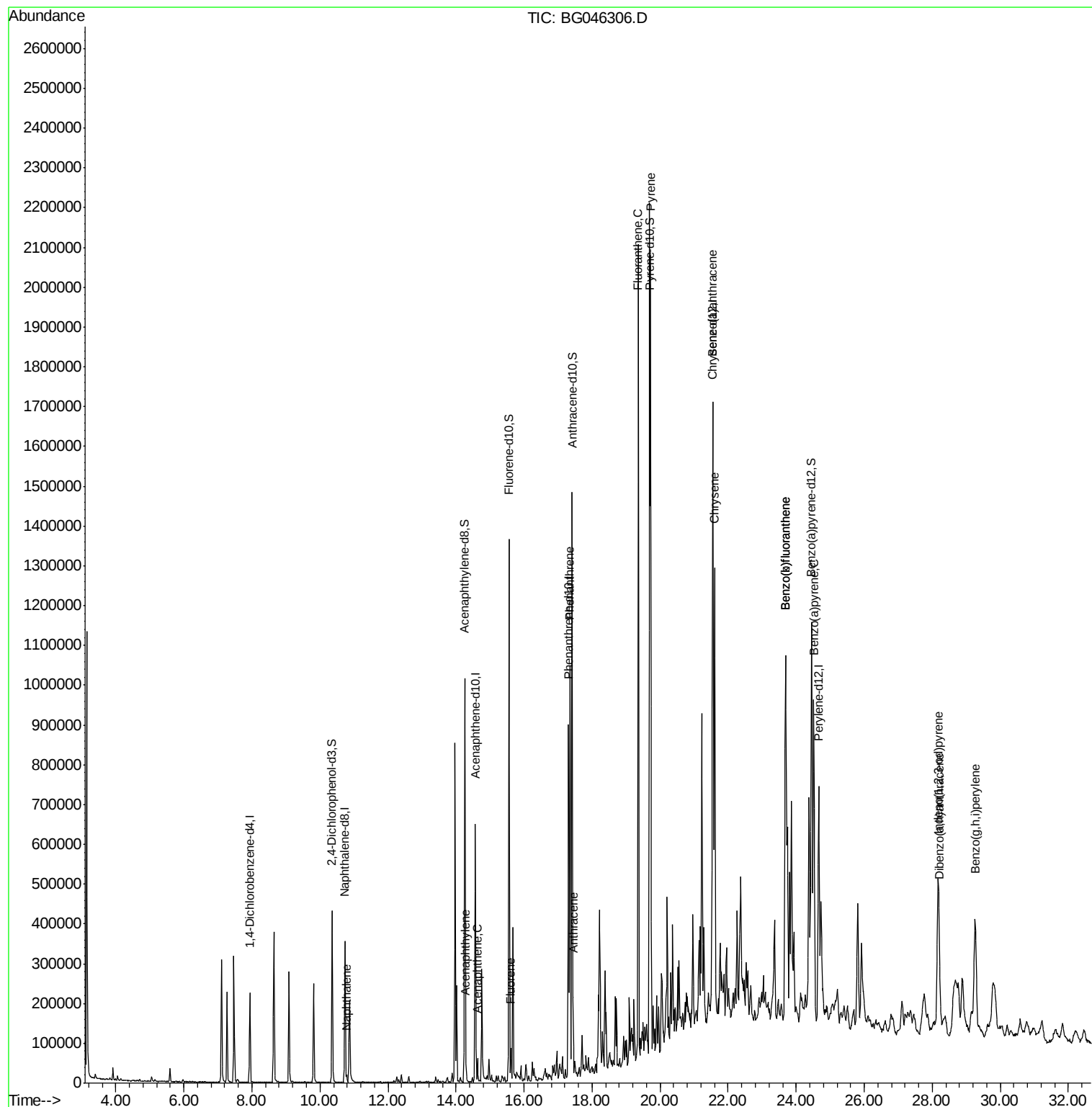
					Qvalue	
4) Naphthalene	10.79	128	16607	1.002	ng/ul#	95
8) Acenaphthylene	14.29	152	38681	1.729	ng/ul	99
9) Acenaphthene	14.63	153	26237	1.643	ng/ul	98
11) Fluorene	15.62	166	28332	1.517	ng/ul	98
14) Phenanthrene	17.35	178	671877	21.237	ng/ul	99
16) Anthracene	17.44	178	129629	4.061	ng/ul	98
17) Fluoranthene	19.36	202	1294752	36.703	ng/ul	98
20) Pyrene	19.72	202	1208164	32.766	ng/ul	99
21) Benzo(a)anthracene	21.54	228	791712	21.662	ng/ul	96
22) Chrysene	21.60	228	817504	23.138	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	1172544	29.426	ng/ul	98
25) Benzo(k)fluoranthene	23.69	252	1172544	29.664	ng/ul	99
27) Benzo(a)pyrene	24.52	252	875454	23.931	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.17	276	661566	14.443	ng/ul	99
29) Dibenzo(a,h)anthracene	28.21	278	178106	4.796	ng/ul	96
30) Benzo(g,h,i)perylene	29.26	276	568374	14.827	ng/ul	99

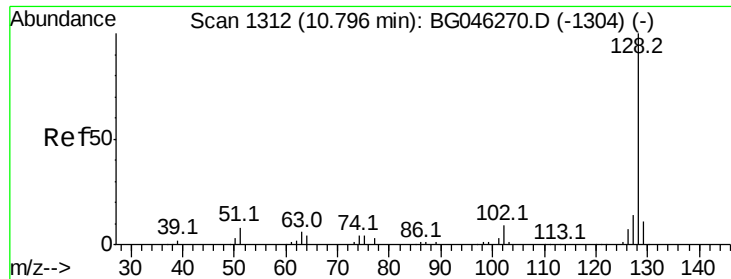
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.002 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Instrument :

BNA_G

ClientSampleId :

BFM80

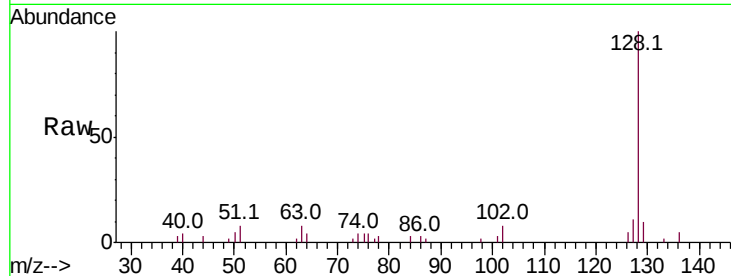
Tot Ion:128 Resp: 16607

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.6

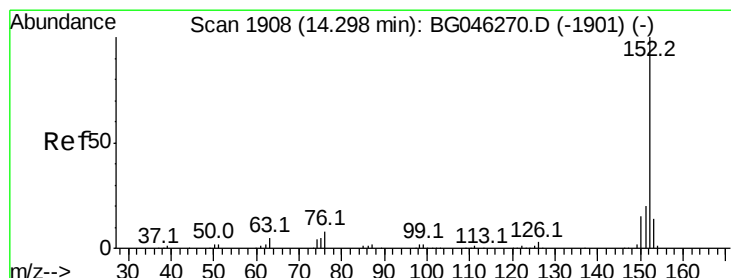
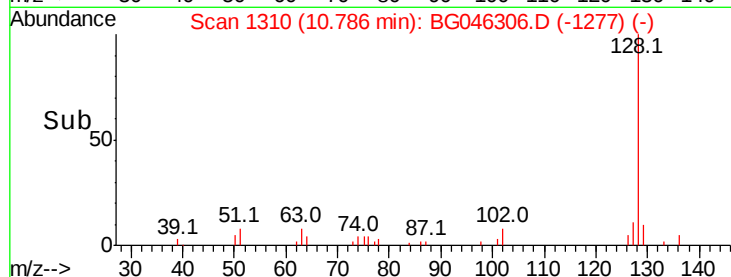
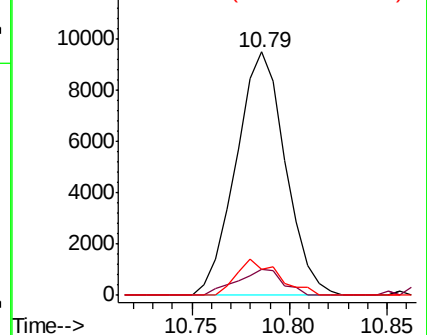
127 10.6 10.9 16.3#



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: 1.729 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

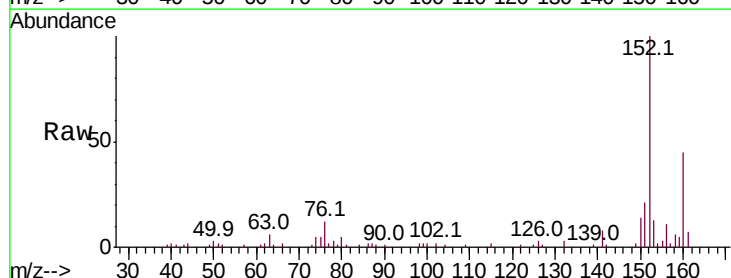
Tgt Ion:152 Resp: 38681

Ion Ratio Lower Upper

152 100

151 21.1 16.5 24.7

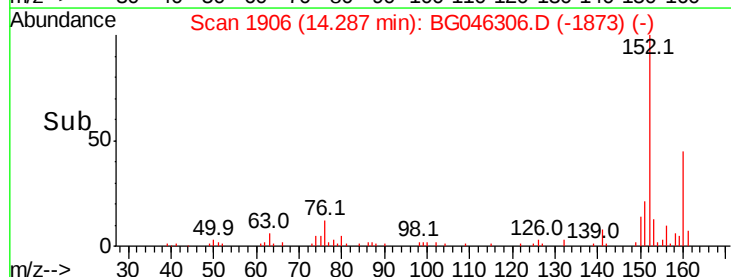
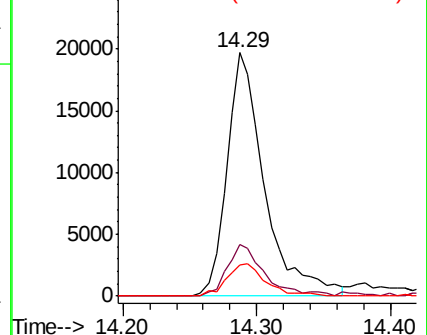
153 13.0 11.0 16.6

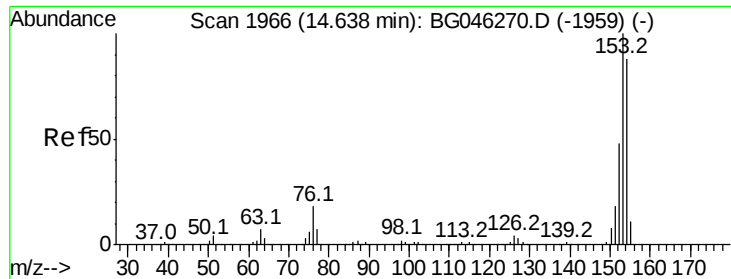


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.643 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Instrument :

BNA_G

ClientSampleId :

BFM80

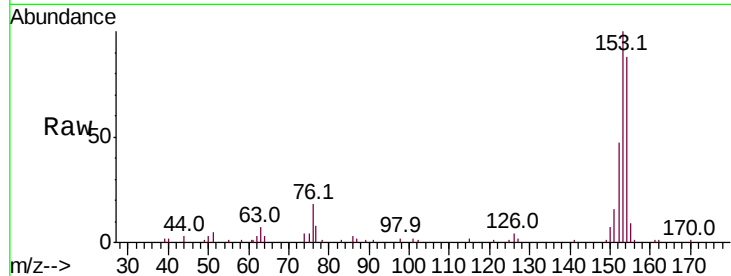
Tot Ion:153 Resp: 26237

Ion Ratio Lower Upper

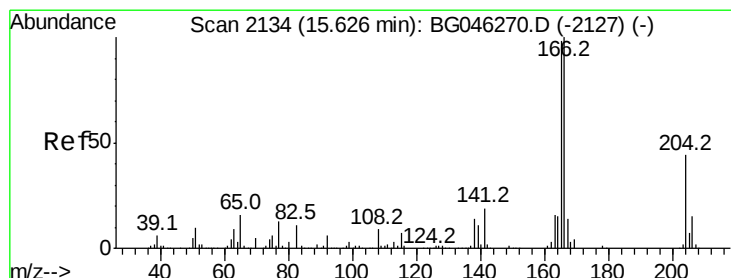
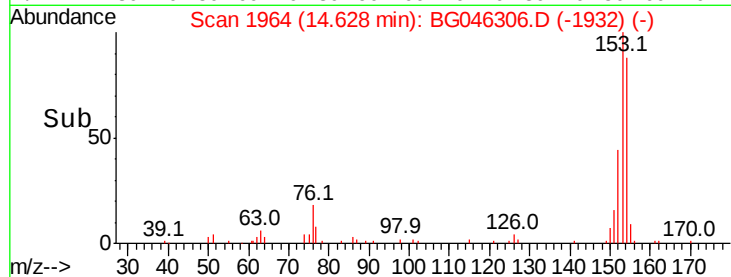
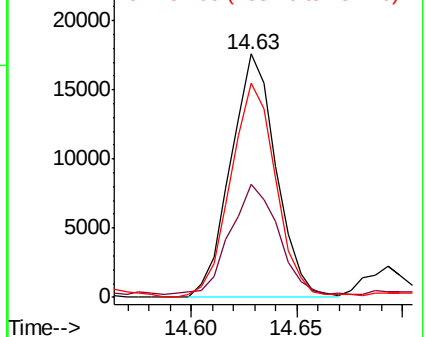
153 100

152 46.7 37.2 55.8

154 88.1 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: 1.517 ng/ul

RT: 15.62 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

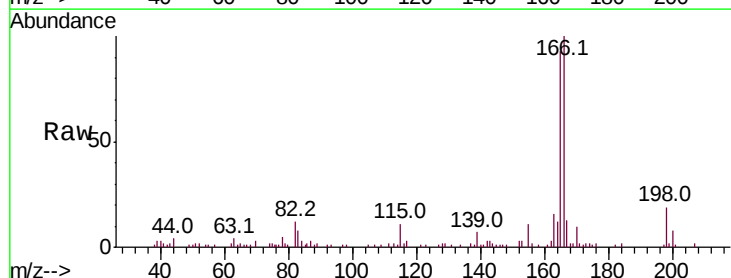
Tgt Ion:166 Resp: 28332

Ion Ratio Lower Upper

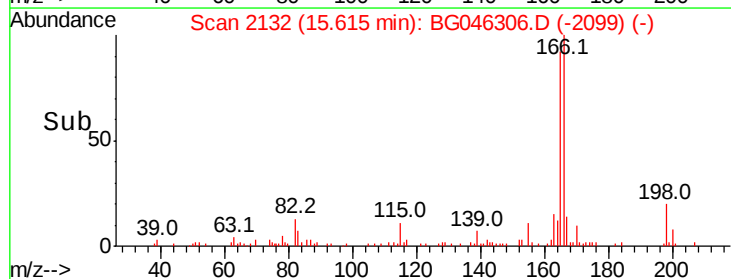
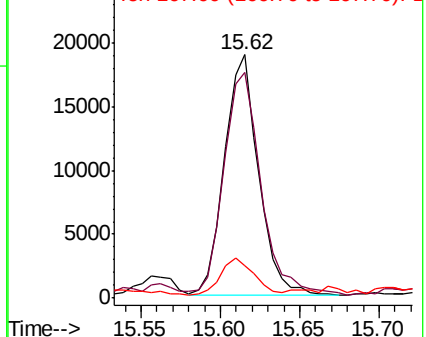
166 100

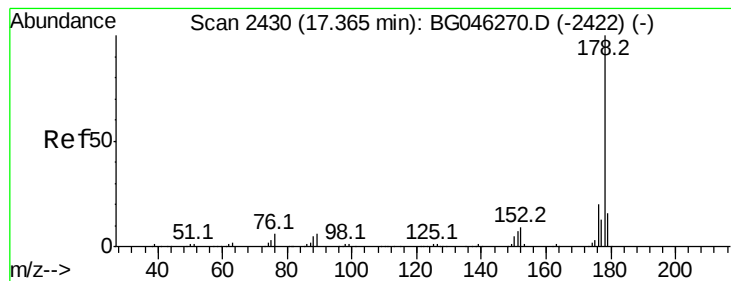
165 92.6 75.9 113.9

167 13.3 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: 21.237 ng/ul

RT: 17.35 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Instrument :

BNA_G

ClientSampleId :

BFM80

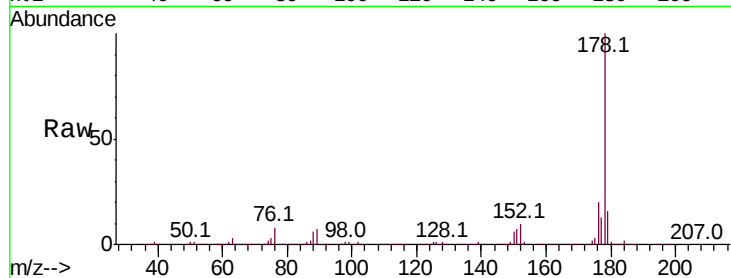
Tot Ion:178 Resp: 671877

Ion Ratio Lower Upper

178 100

179 16.4 12.8 19.2

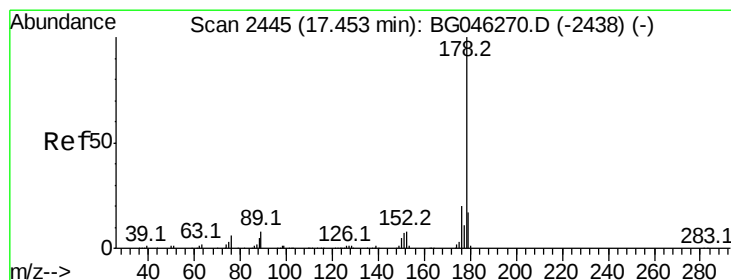
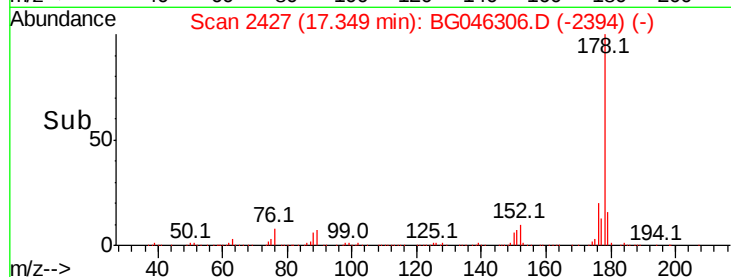
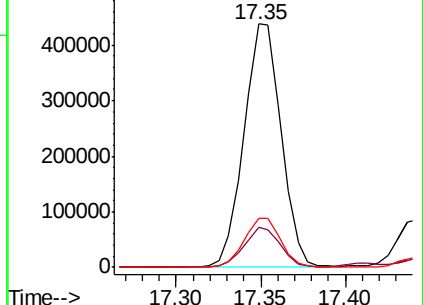
176 20.4 15.8 23.8



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: 4.061 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

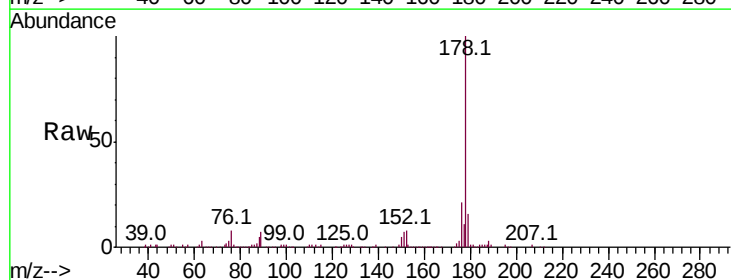
Tgt Ion:178 Resp: 129629

Ion Ratio Lower Upper

178 100

179 16.2 13.2 19.8

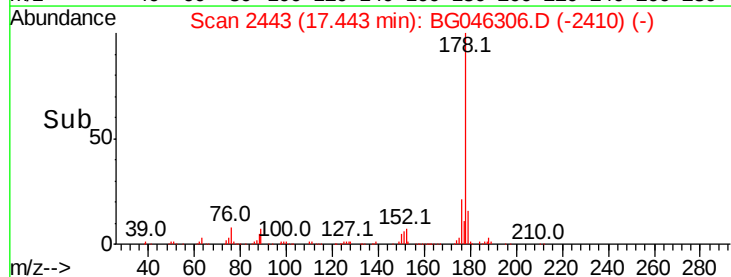
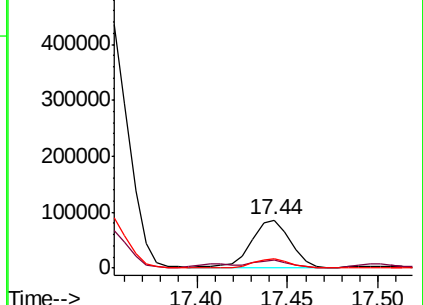
176 20.7 15.2 22.8

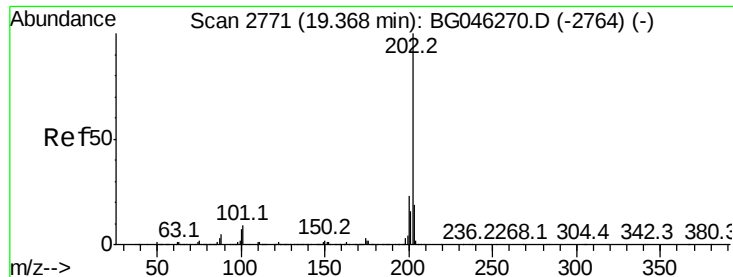


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

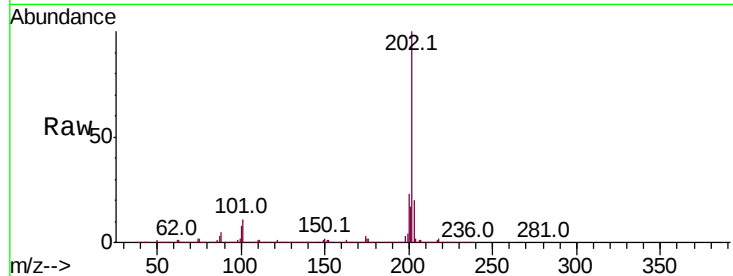




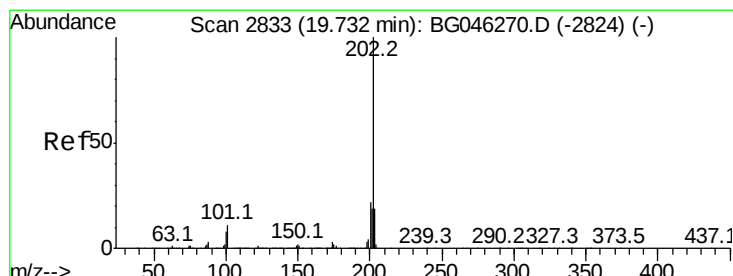
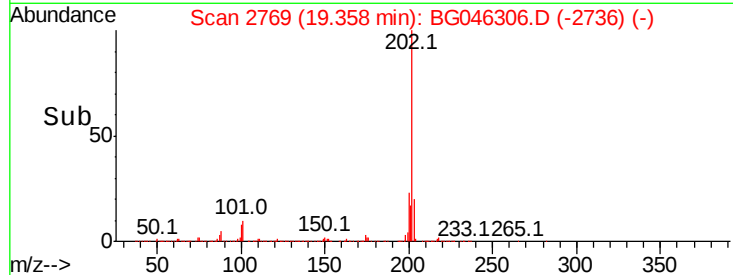
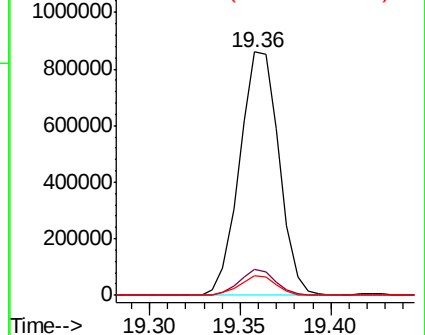
#17
Fluoranthene
 Concen: 36.703 ng/ul
 RT: 19.36 min Scan# 2769
 Delta R.T. -0.01 min
 Lab File: BG046306.D
 Acq: 17 Aug 2020 21:55

Instrument :
 BNA_G
 ClientSampleId :
 BFM80

Tot Ion:	202	Resp:	1294752
Ion	Ratio	Lower	Upper
202	100		
101	10.6	7.8	11.6
100	8.1	5.9	8.9

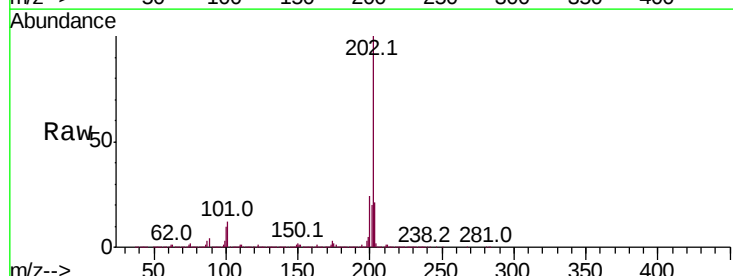


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

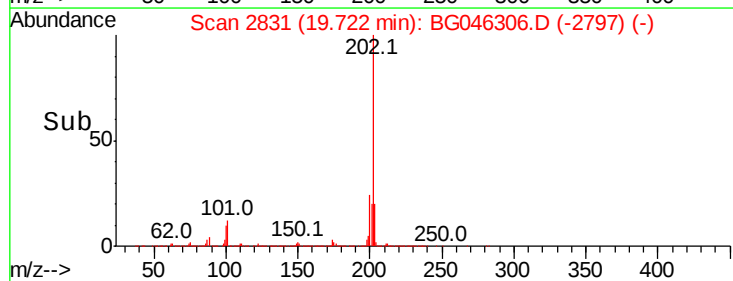
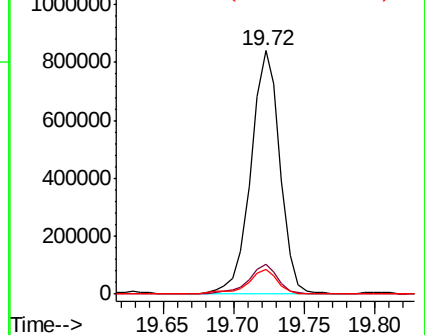


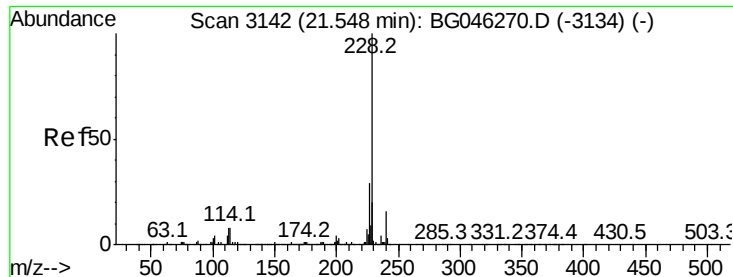
#20
Pyrene
 Concen: 32.766 ng/ul
 RT: 19.72 min Scan# 2831
 Delta R.T. -0.00 min
 Lab File: BG046306.D
 Acq: 17 Aug 2020 21:55

Tgt Ion:	202	Resp:	1208164
Ion	Ratio	Lower	Upper
202	100		
101	12.1	8.9	13.3
100	9.9	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: 21.662 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Instrument :

BNA_G

ClientSampleId :

BFM80

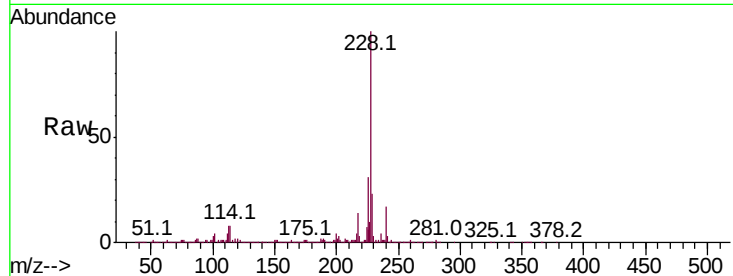
Tot Ion:228 Resp: 791712

Ion Ratio Lower Upper

228 100

229 22.6 16.6 25.0

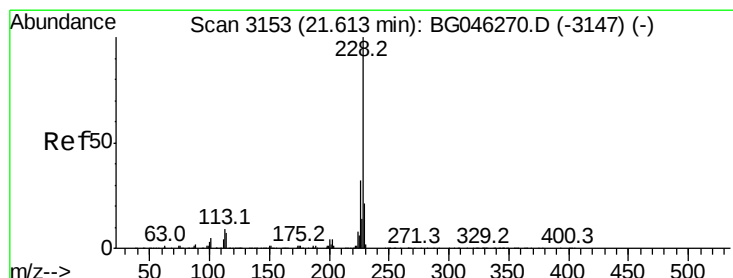
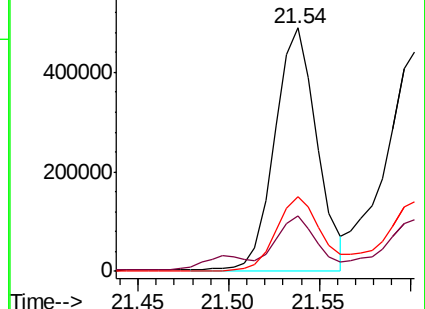
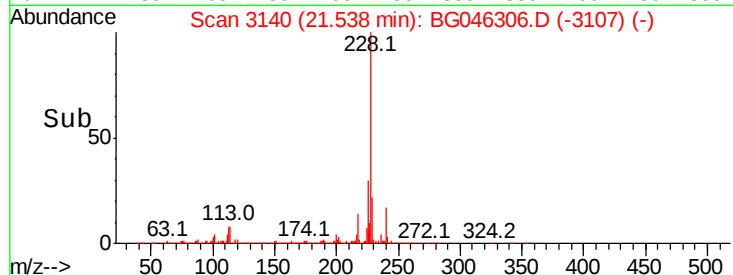
226 30.6 22.6 33.8



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: 23.138 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

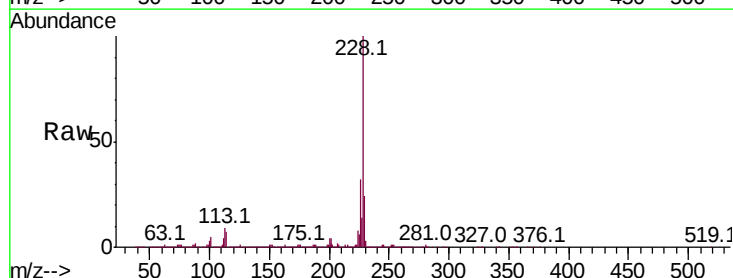
Tgt Ion:228 Resp: 817504

Ion Ratio Lower Upper

228 100

226 31.5 25.5 38.3

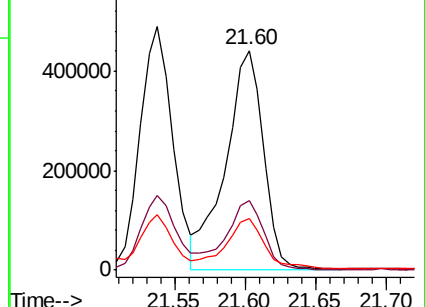
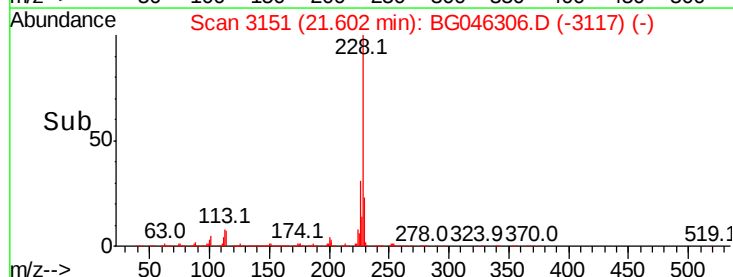
229 23.7 17.0 25.4

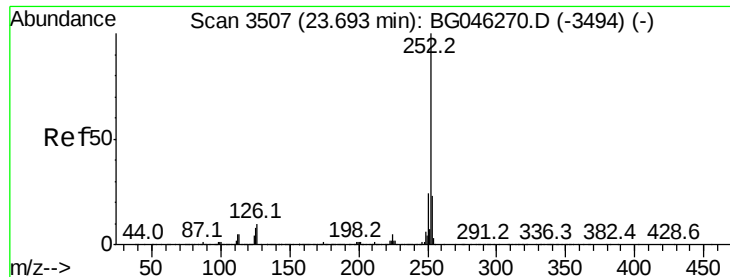


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 29.426 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.00 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Instrument :

BNA_G

ClientSampleId :

BFM80

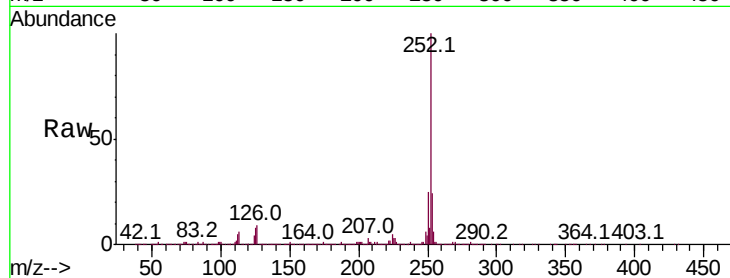
Tot Ion:252 Resp: 1172544

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

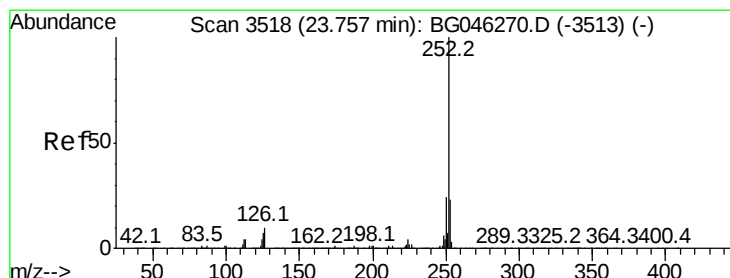
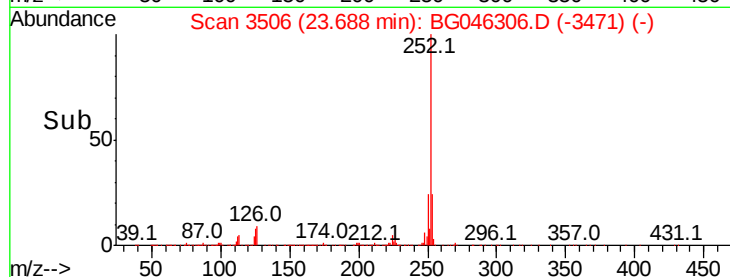
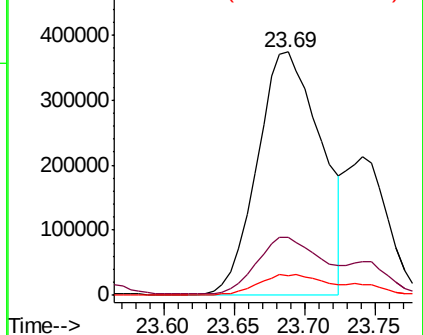
125 8.1 6.4 9.6



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: 29.664 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. -0.06 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

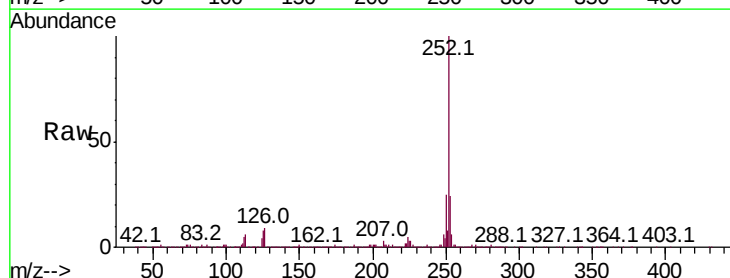
Tgt Ion:252 Resp: 1172544

Ion Ratio Lower Upper

252 100

253 23.8 18.5 27.7

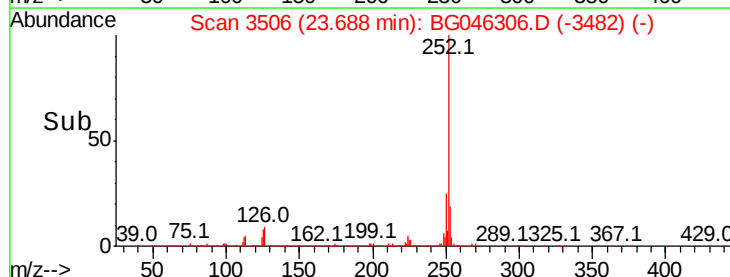
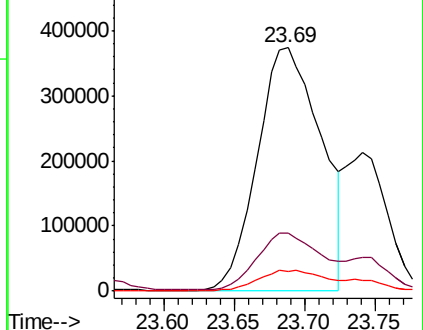
125 8.1 6.2 9.2

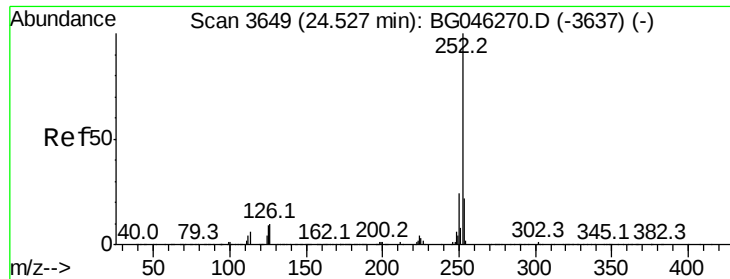


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 23.931 ng/ul

RT: 24.52 min Scan# 3647

Delta R.T. -0.01 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

Instrument :

BNA_G

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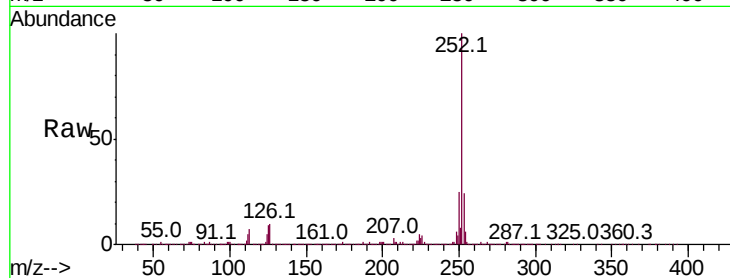
Tot Ion:252 Resp: 875454

Ion Ratio Lower Upper

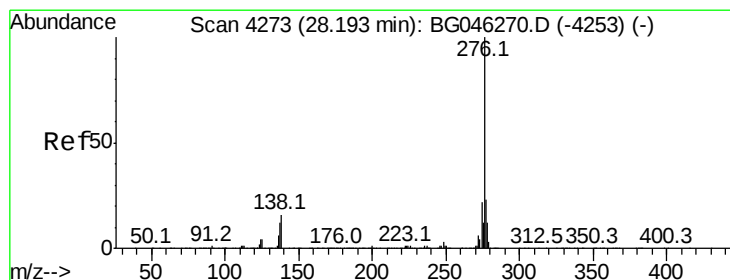
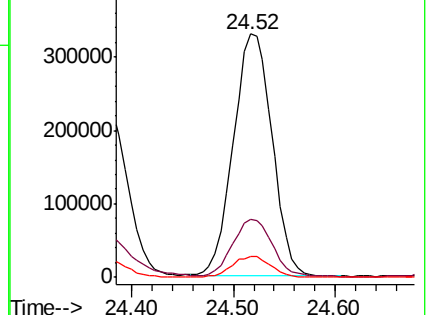
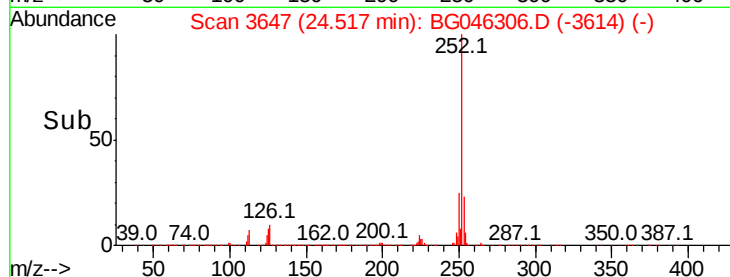
252 100

253 23.7 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: 14.443 ng/ul

RT: 28.17 min Scan# 4269

Delta R.T. -0.00 min

Lab File: BG046306.D

Acq: 17 Aug 2020 21:55

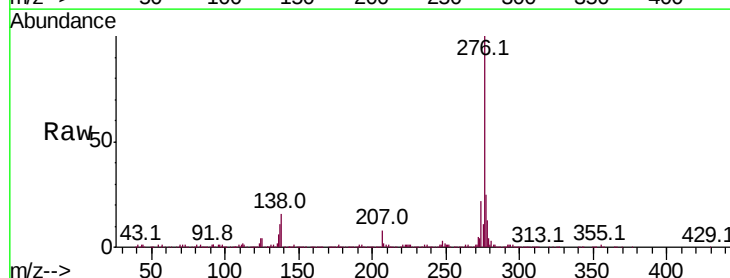
Tgt Ion:276 Resp: 661566

Ion Ratio Lower Upper

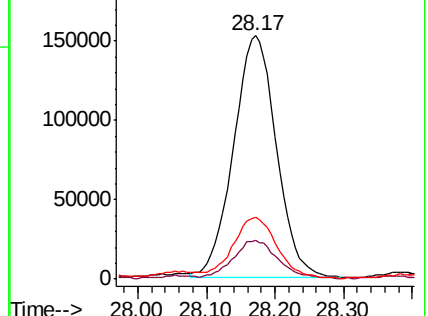
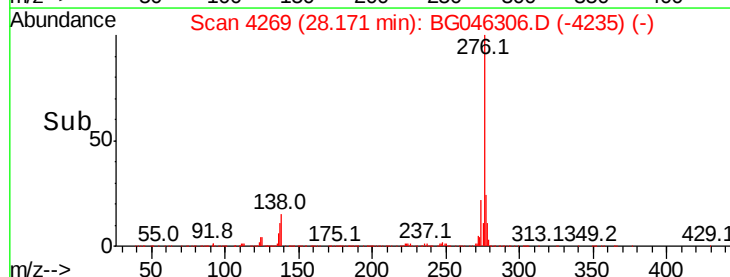
276 100

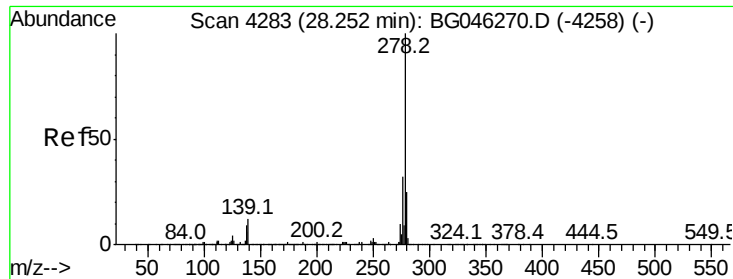
138 15.9 13.2 19.8

277 25.4 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



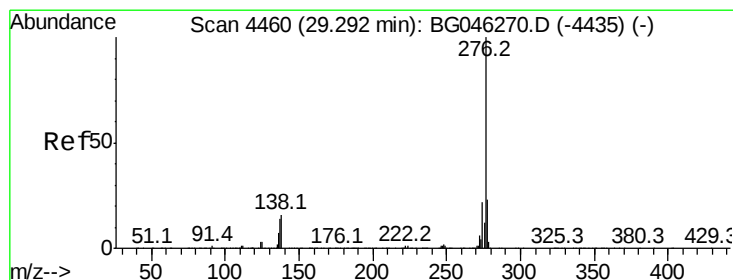
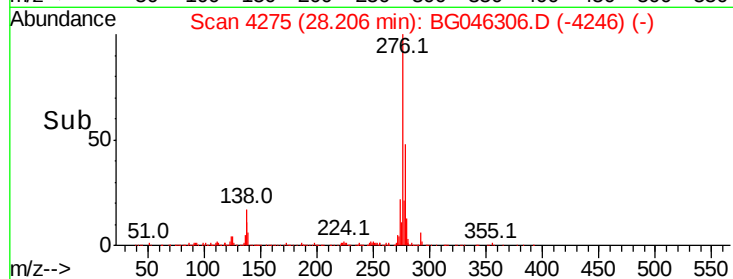
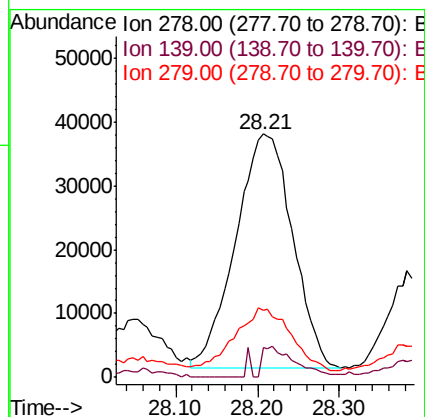
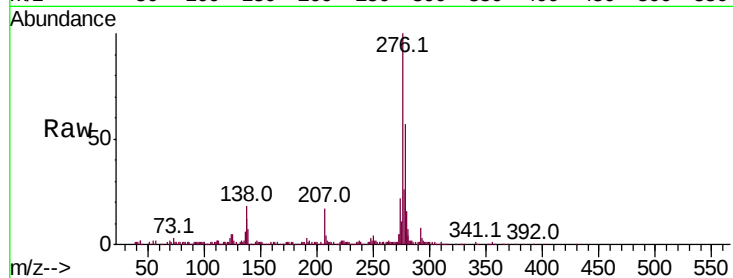


#29

Dibenzo(a,h)anthracene
 Concen: 4.796 ng/ul
 RT: 28.21 min Scan# 4275
 Delta R.T. -0.03 min
 Lab File: BG046306.D
 Acq: 17 Aug 2020 21:55

Instrument :
 BNA_G
 ClientSampleId :
 BFM80

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.1	9.8	14.8
279	27.6	19.7	29.5



#30

Benzo(g,h,i)perylene
 Concen: 14.827 ng/ul
 RT: 29.26 min Scan# 4455
 Delta R.T. -0.00 min
 Lab File: BG046306.D
 Acq: 17 Aug 2020 21:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.8	12.9	19.3
277	24.3	19.4	29.0

