

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046309.D
 Acq On : 17 Aug 2020 23:56
 Operator : CG/JU
 Sample : L3632-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM94

Quant Time: Aug 18 01:26:44 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

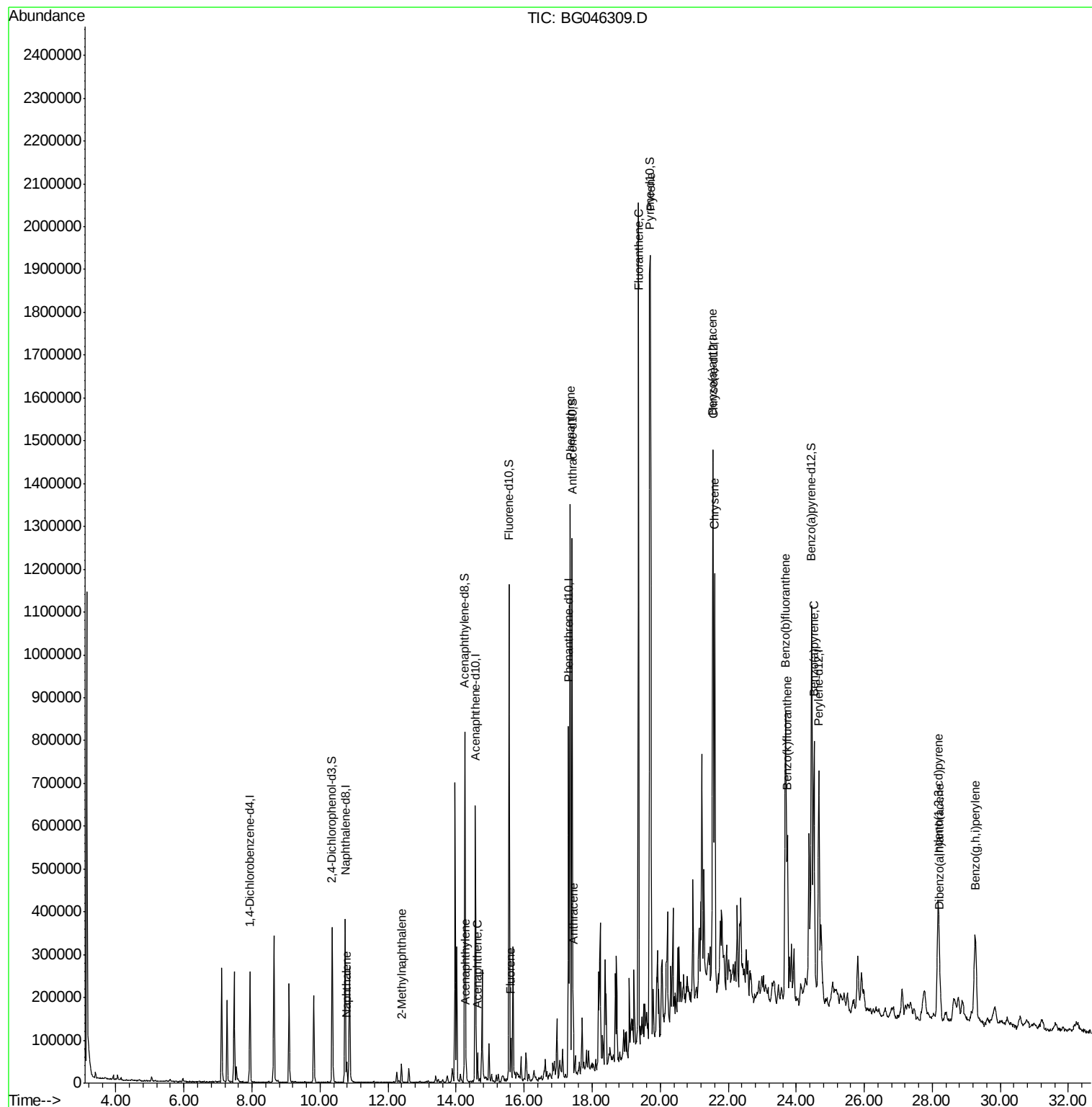
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	80670	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	332978	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	229827	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	546050	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	533883	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	580585	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	159560	27.83	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	622002	29.41	ng/ul	0.00
10) Fluorene-d10	15.56	176	489421	30.20	ng/ul	0.00
15) Anthracene-d10	17.41	188	758497	29.96	ng/ul	0.00
19) Pyrene-d10	19.69	212	864163	31.45	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	993665	31.36	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.78	128	41936	2.421	ng/ul	99
5) 2-Methylnaphthalene	12.39	142	23268	1.762	ng/ul	96
8) Acenaphthylene	14.29	152	40885	1.901	ng/ul	97
9) Acenaphthene	14.63	153	29762	1.938	ng/ul	92
11) Fluorene	15.61	166	41379	2.305	ng/ul	98
14) Phenanthrene	17.35	178	855414	28.476	ng/ul	100
16) Anthracene	17.44	178	128834	4.251	ng/ul	99
17) Fluoranthene	19.36	202	1216583	36.320	ng/ul	100
20) Pyrene	19.72	202	1136554	32.432	ng/ul	98
21) Benzo(a)anthracene	21.54	228	643108	18.514	ng/ul	96
22) Chrysene	21.60	228	693506	20.653	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	836576	21.790	ng/ul	98
25) Benzo(k)fluoranthene	23.75	252	317475	8.336	ng/ul	100
27) Benzo(a)pyrene	24.52	252	611948	17.361	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.17	276	478359	10.839	ng/ul	99
29) Dibenzo(a,h)anthracene	28.22	278	163030	4.556	ng/ul	95
30) Benzo(g,h,i)perylene	29.26	276	408211	11.052	ng/ul	98

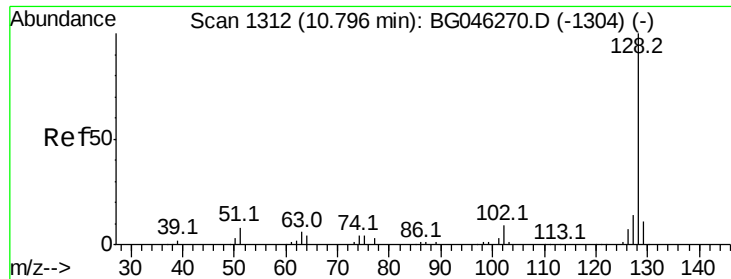
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 2.421 ng/ul

RT: 10.78 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG046309.D

Acq: 17 Aug 2020 23:56

Instrument :

BNA_G

ClientSampleId :

BFM94

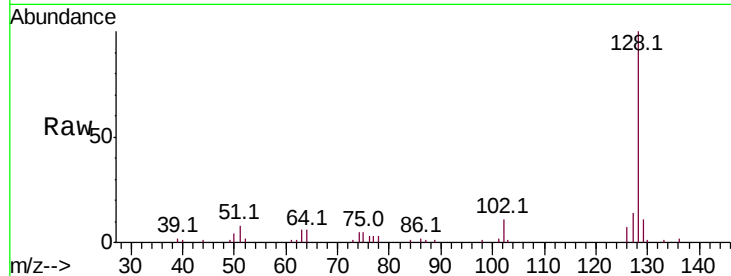
Tot Ion:128 Resp: 41936

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

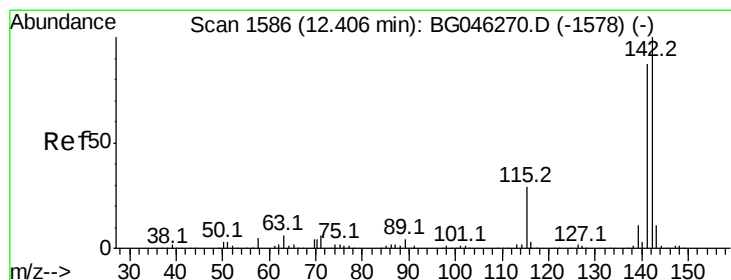
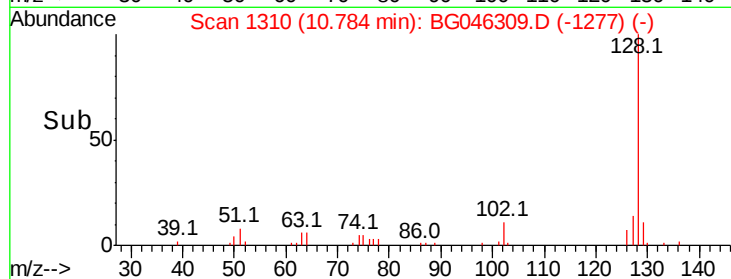
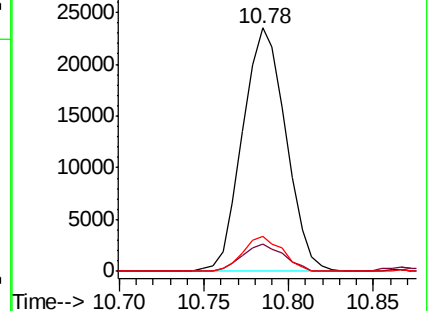
127 14.4 10.9 16.3



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



#5

2-Methylnaphthalene

Concen: 1.762 ng/ul

RT: 12.39 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BG046309.D

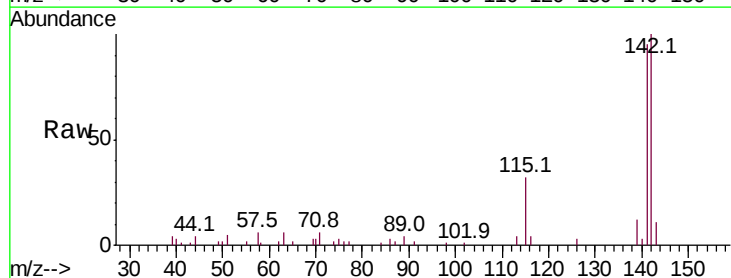
Acq: 17 Aug 2020 23:56

Tgt Ion:142 Resp: 23268

Ion Ratio Lower Upper

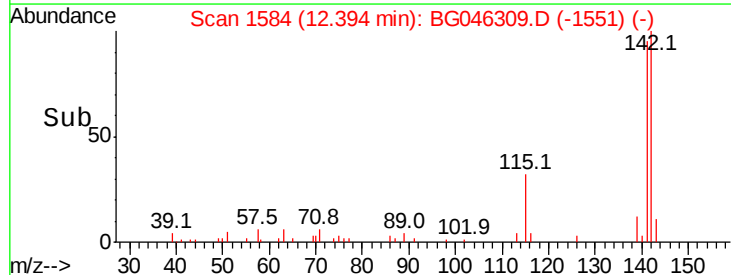
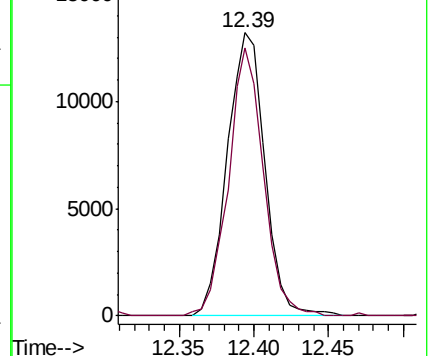
142 100

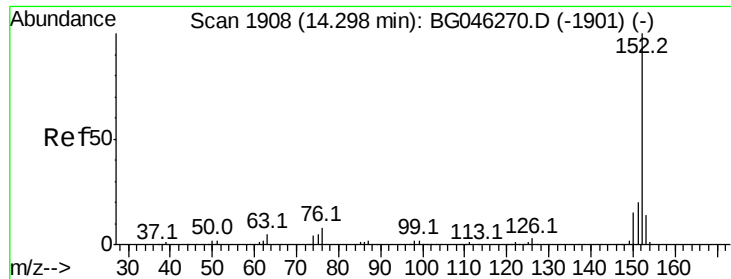
141 94.6 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.901 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BG046309.D

Acq: 17 Aug 2020 23:56

Instrument :

BNA_G

ClientSampled :

BFM94

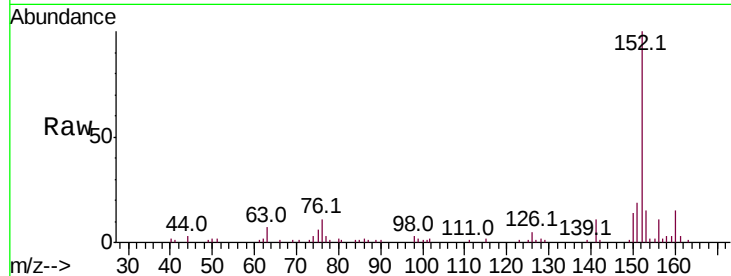
Tot Ion:152 Resp: 40885

Ion Ratio Lower Upper

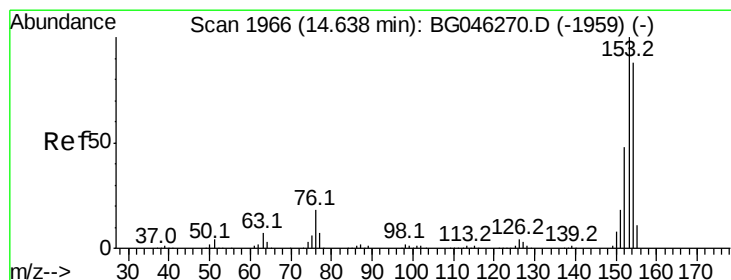
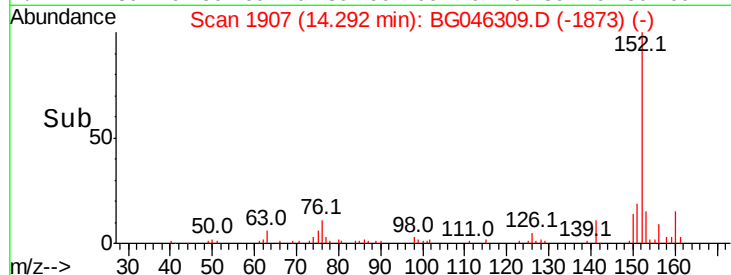
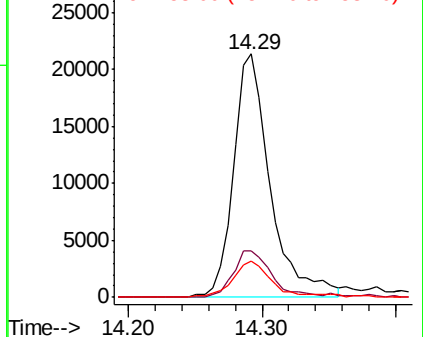
152 100

151 19.1 16.5 24.7

153 15.2 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: 1.938 ng/ul

RT: 14.63 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG046309.D

Acq: 17 Aug 2020 23:56

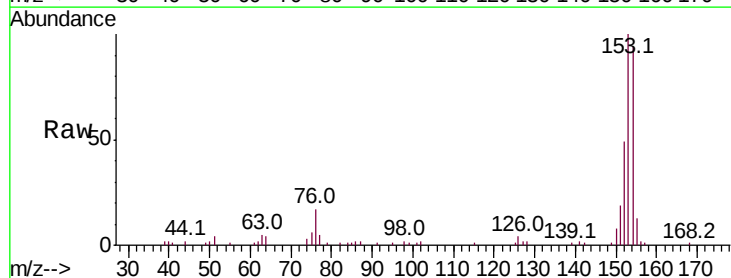
Tgt Ion:153 Resp: 29762

Ion Ratio Lower Upper

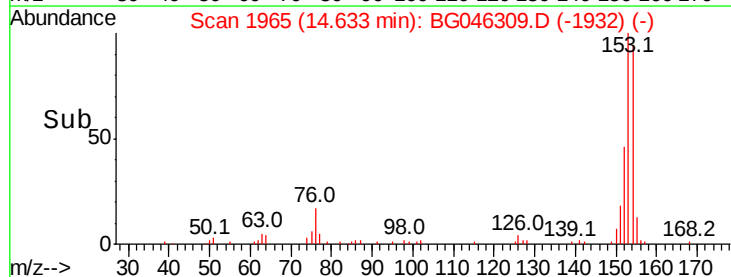
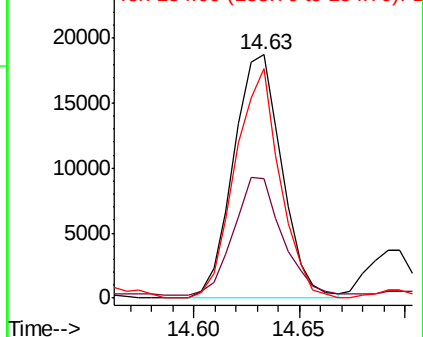
153 100

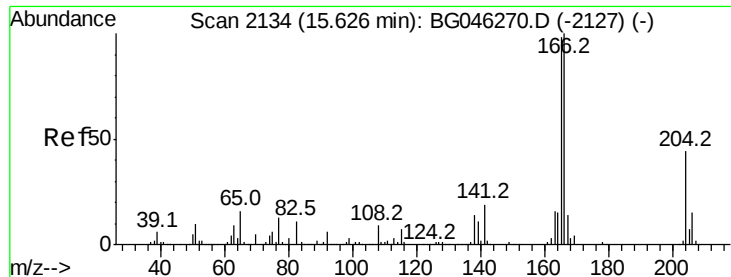
152 48.9 37.2 55.8

154 94.5 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: 2.305 ng/ul

RT: 15.61 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BG046309.D

Acq: 17 Aug 2020 23:56

Instrument :

BNA_G

ClientSampleId :

BFM94

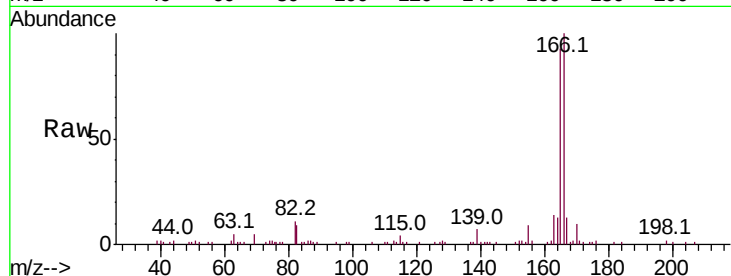
Tot Ion:166 Resp: 41379

Ion Ratio Lower Upper

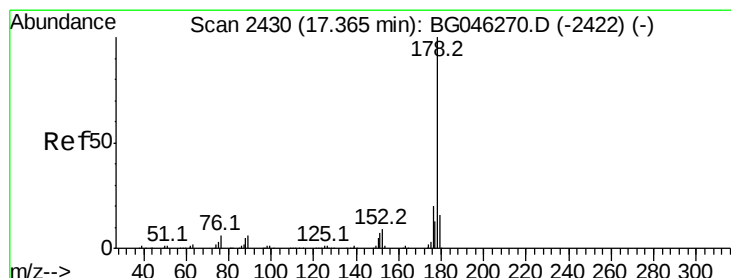
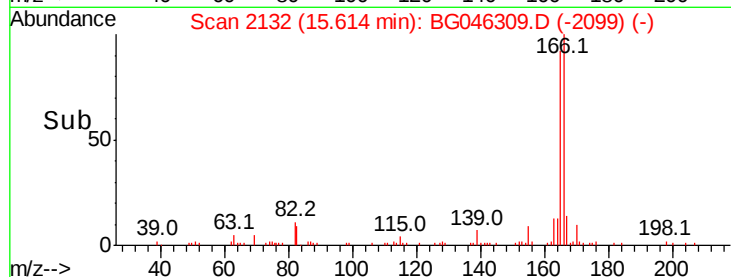
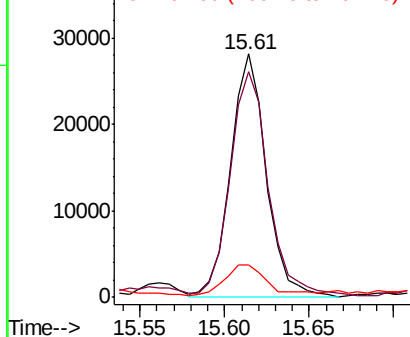
166 100

165 92.7 75.9 113.9

167 13.5 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: 28.476 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG046309.D

Acq: 17 Aug 2020 23:56

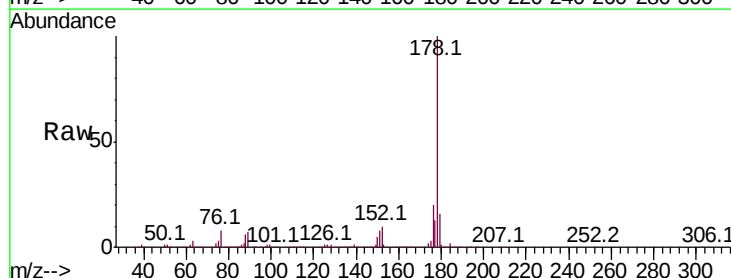
Tgt Ion:178 Resp: 855414

Ion Ratio Lower Upper

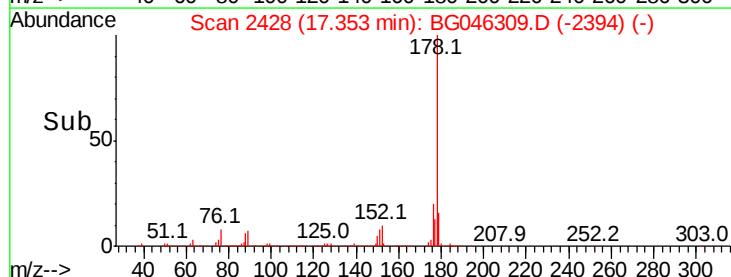
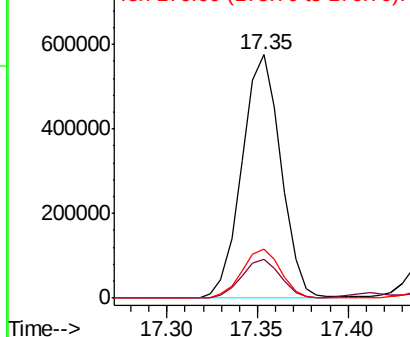
178 100

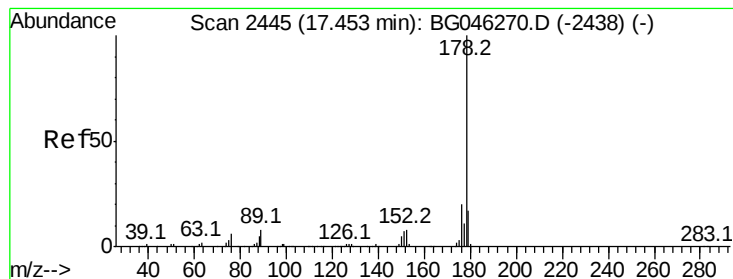
179 16.2 12.8 19.2

176 20.0 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: 4.251 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BG046309.D

Acq: 17 Aug 2020 23:56

Instrument :

BNA_G

ClientSampleId :

BFM94

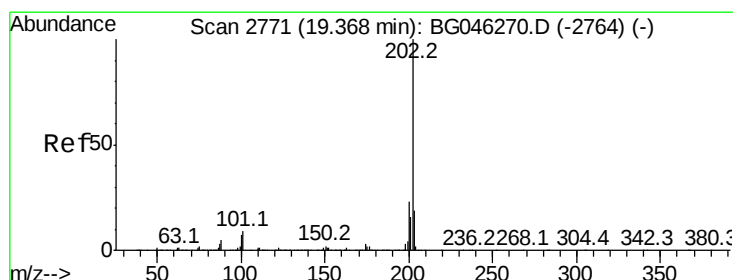
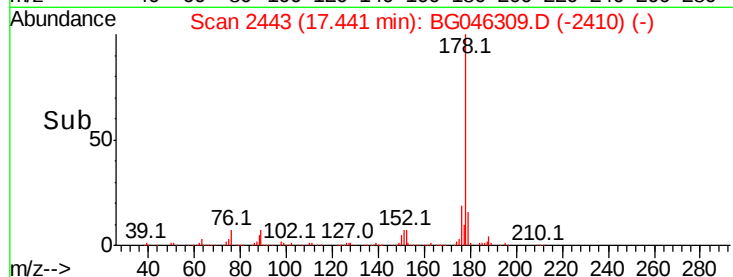
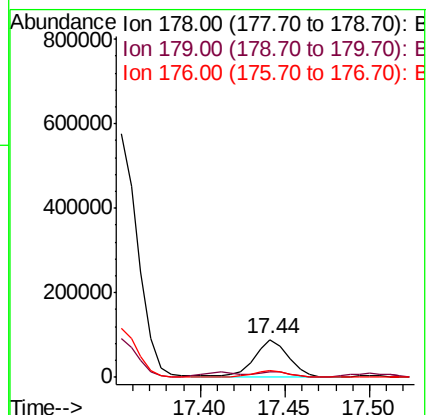
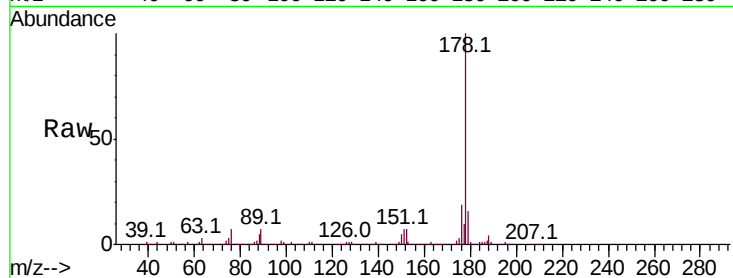
Tot Ion:178 Resp: 128834

Ion Ratio Lower Upper

178 100

179 15.9 13.2 19.8

176 18.6 15.2 22.8



#17

Fluoranthene

Concen: 36.320 ng/ul

RT: 19.36 min Scan# 2770

Delta R.T. -0.00 min

Lab File: BG046309.D

Acq: 17 Aug 2020 23:56

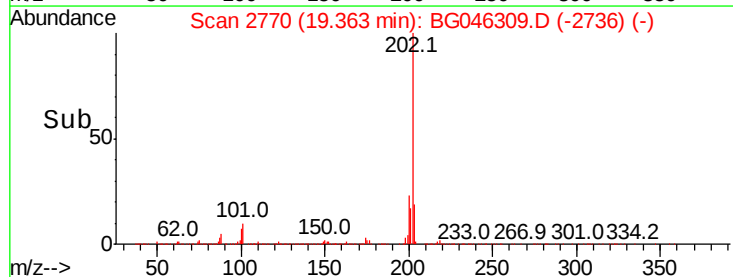
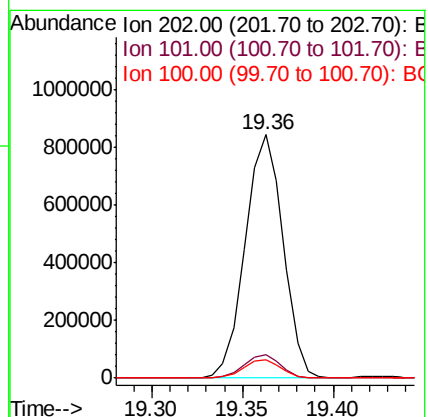
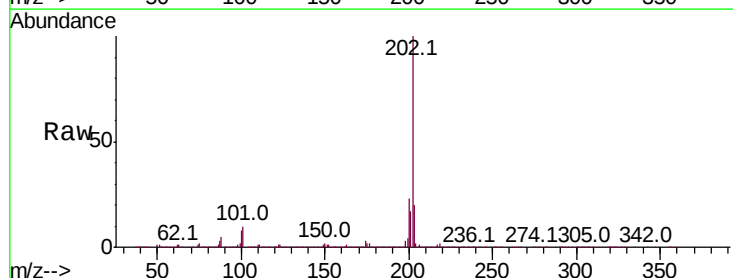
Tgt Ion:202 Resp: 1216583

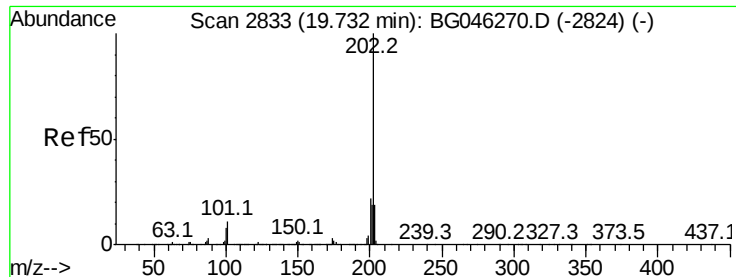
Ion Ratio Lower Upper

202 100

101 9.9 7.8 11.6

100 7.5 5.9 8.9

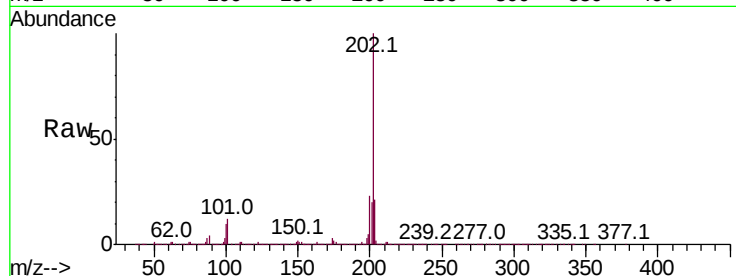




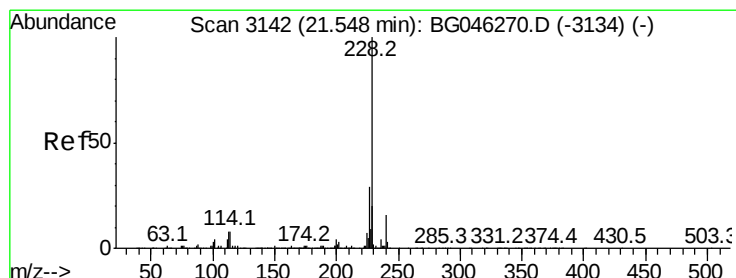
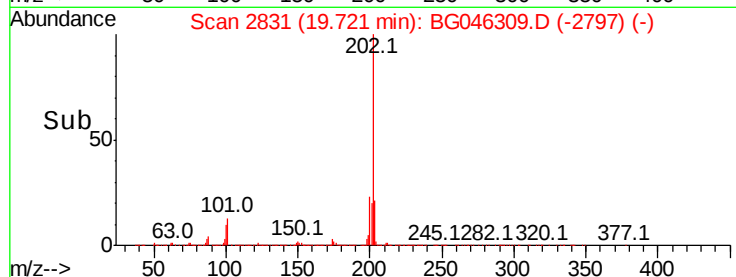
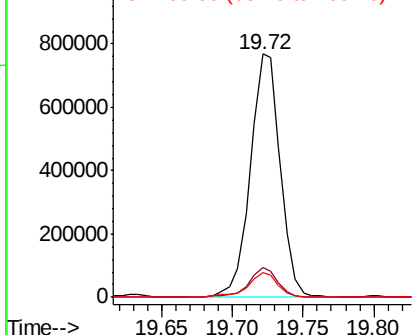
#20
Pvrene
Concen: 32.432 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046309.D
Acq: 17 Aug 2020 23:56

Instrument :
BNA_G
ClientSampleId :
BFM94

Tot Ion:202 Resp: 1136554
Ion Ratio Lower Upper
202 100
101 12.4 8.9 13.3
100 10.1 7.9 11.9

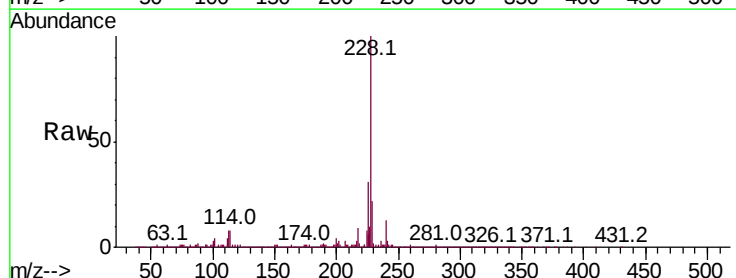


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

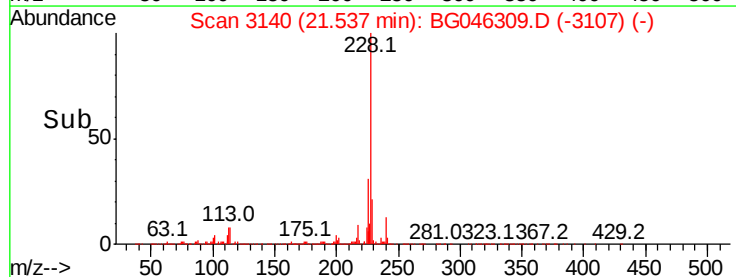
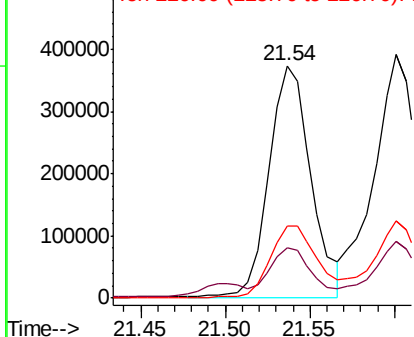


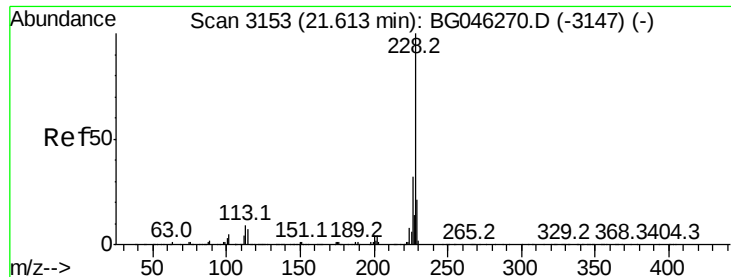
#21
Benzo(a)anthracene
Concen: 18.514 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046309.D
Acq: 17 Aug 2020 23:56

Tgt Ion:228 Resp: 643108
Ion Ratio Lower Upper
228 100
229 21.6 16.6 25.0
226 30.9 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: 20.653 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046309.D

Acq: 17 Aug 2020 23:56

Instrument :

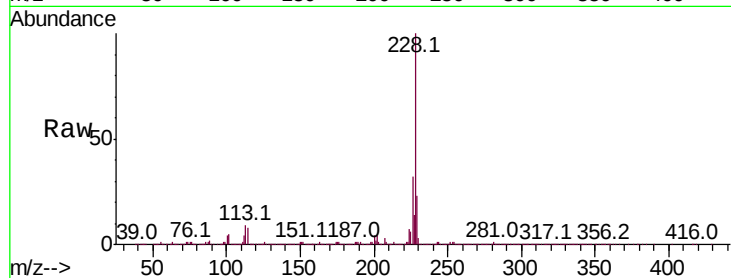
BNA_G

ClientSampleId :

BFM94

Tot Ion:228 Resp: 693506

Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.5	38.3
229	23.3	17.0	25.4

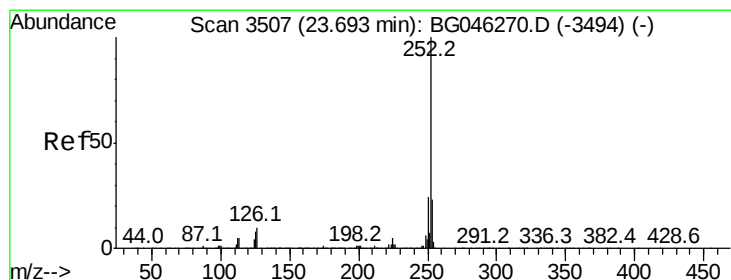
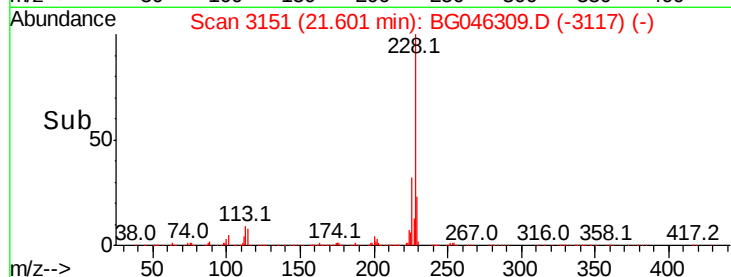
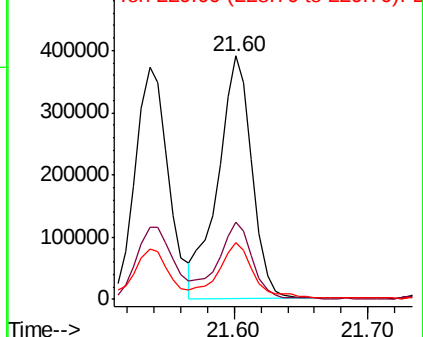


Abundance

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: 21.790 ng/ul

RT: 23.69 min Scan# 3506

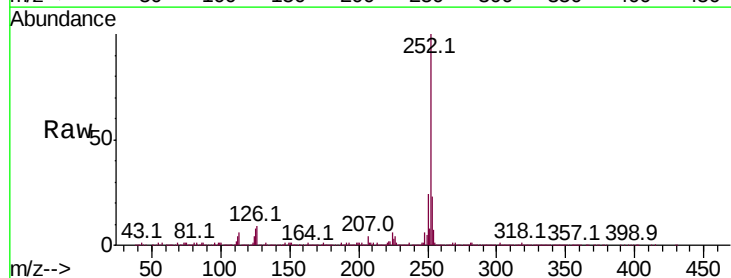
Delta R.T. 0.00 min

Lab File: BG046309.D

Acq: 17 Aug 2020 23:56

Tgt Ion:252 Resp: 836576

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	8.3	6.4	9.6

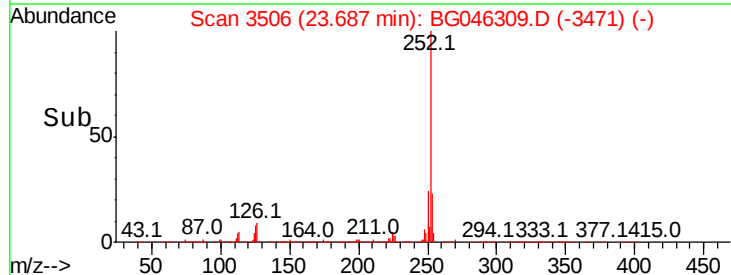
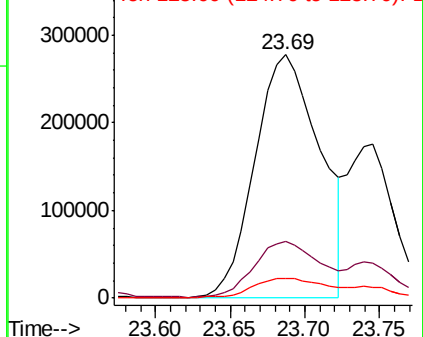


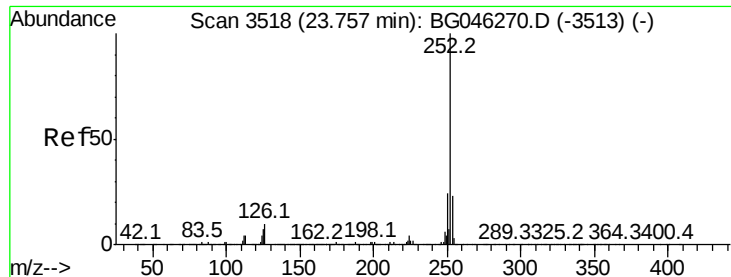
Abundance

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

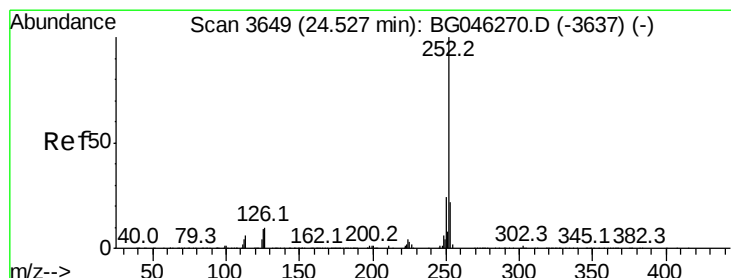
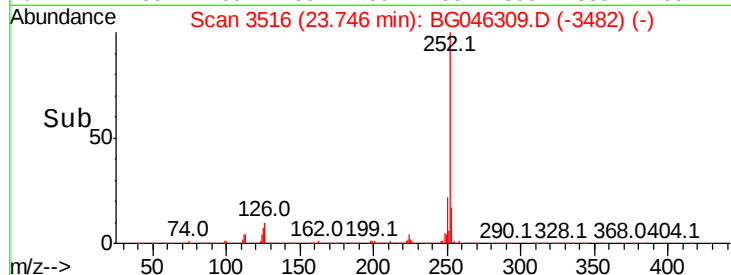
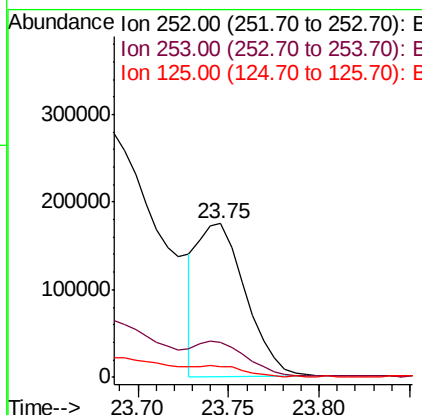
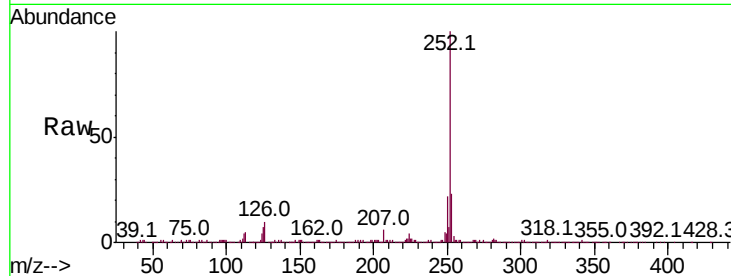




#25
Benzo(k)fluoranthene
Concen: 8.336 ng/ul
RT: 23.75 min Scan# 3516
Delta R.T. -0.00 min
Lab File: BG046309.D
Acq: 17 Aug 2020 23:56

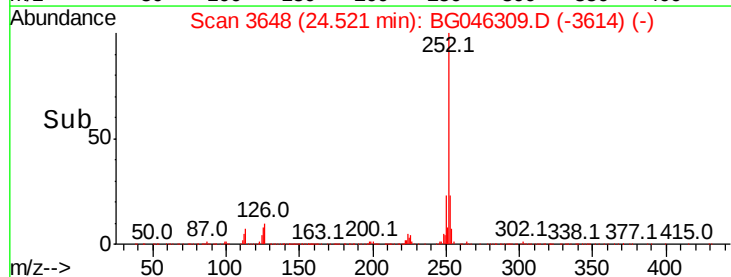
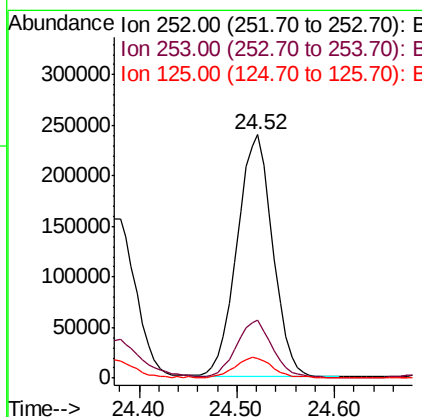
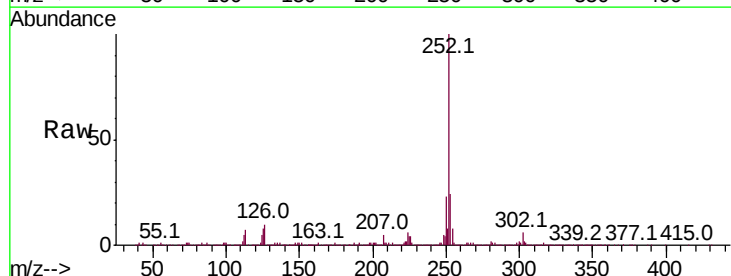
Instrument :
BNA_G
ClientSampleId :
BFM94

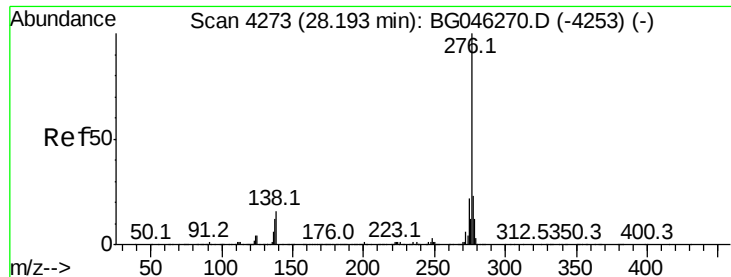
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	7.2	6.2	9.2



#27
Benzo(a)pyrene
Concen: 17.361 ng/ul
RT: 24.52 min Scan# 3648
Delta R.T. -0.00 min
Lab File: BG046309.D
Acq: 17 Aug 2020 23:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	8.1	7.1	10.7



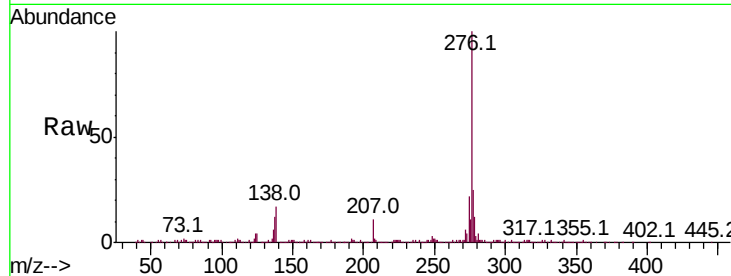


#28

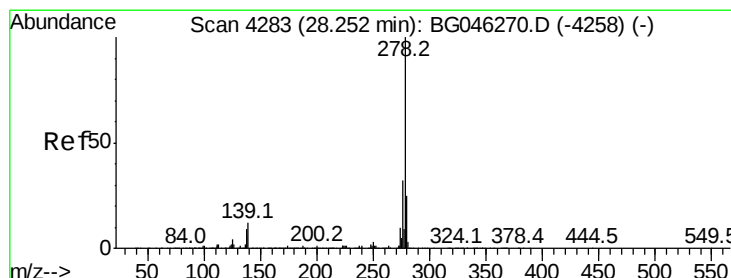
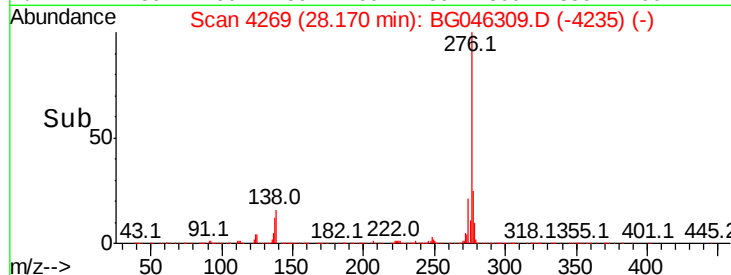
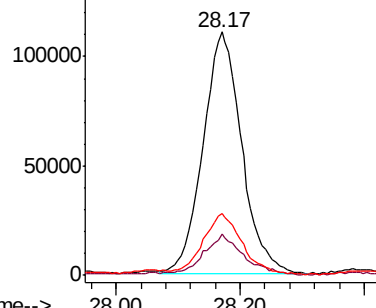
Indeno(1,2,3-cd)pyrene
Concen: 10.839 ng/ul
RT: 28.17 min Scan# 4269
Delta R.T. -0.00 min
Lab File: BG046309.D
Acq: 17 Aug 2020 23:56

Instrument :
BNA_G
ClientSampled :
BFM94

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.8	13.2	19.8
277	25.4	19.9	29.9



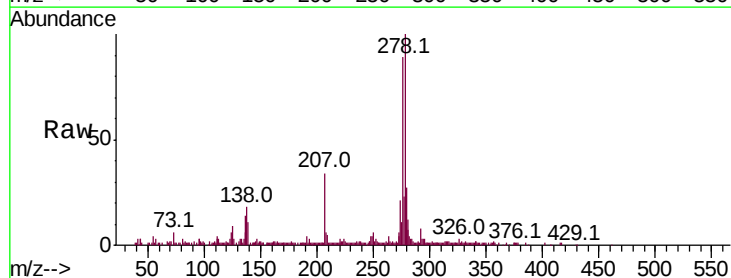
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



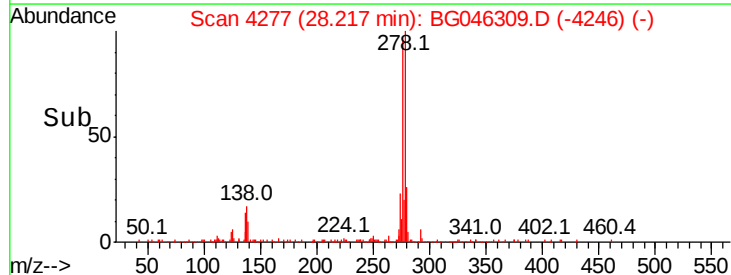
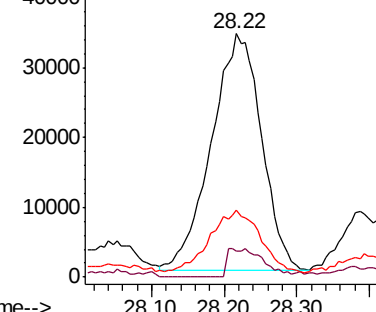
#29

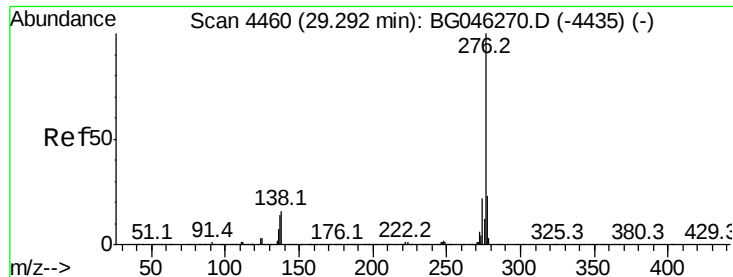
Dibenzo(a,h)anthracene
Concen: 4.556 ng/ul
RT: 28.22 min Scan# 4277
Delta R.T. -0.02 min
Lab File: BG046309.D
Acq: 17 Aug 2020 23:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.7	9.8	14.8
279	27.4	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(a,h,i)perylene

Concen: 11.052 ng/ul

RT: 29.26 min Scan# 4455

Delta R.T. -0.00 min

Lab File: BG046309.D

Acq: 17 Aug 2020 23:56

Instrument :

BNA_G

ClientSampleId :

BFM94

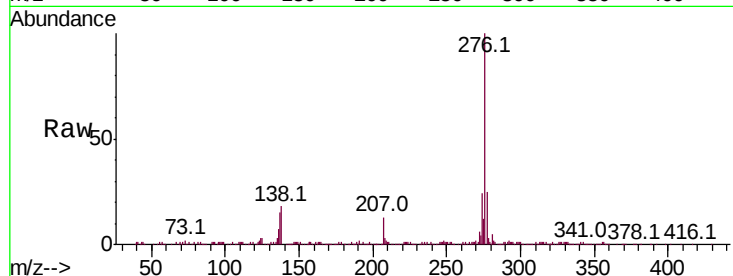
Tot Ion:276 Resp: 408211

Ion Ratio Lower Upper

276 100

138 17.7 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

