

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046383.D
 Acq On : 20 Aug 2020 17:55
 Operator : CG/JU
 Sample : L3634-10
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMF8

Quant Time: Aug 21 00:38:43 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

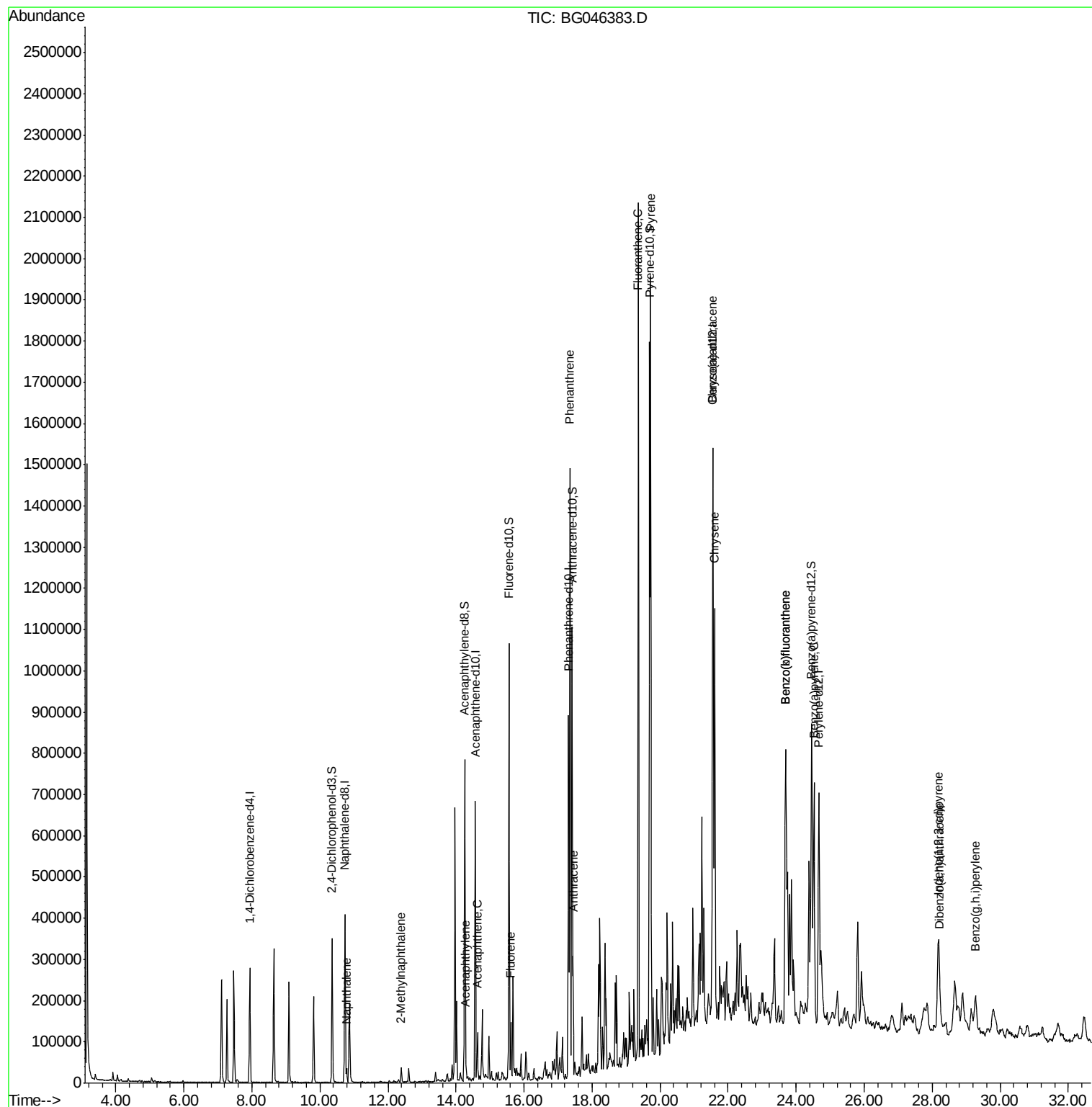
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	87060	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	361778	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	247472	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	554444	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	550376	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	588196	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	155216	24.92	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	586034	25.73	ng/ul	0.00
10) Fluorene-d10	15.56	176	447007	25.61	ng/ul	0.00
15) Anthracene-d10	17.41	188	646590	25.16	ng/ul	0.00
19) Pyrene-d10	19.69	212	753772	26.61	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	831126	25.89	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.78	128	29150	1.549	ng/ul#	97
5) 2-Methylnaphthalene	12.39	142	18406	1.283	ng/ul	87
8) Acenaphthylene	14.29	152	27696	1.196	ng/ul	97
9) Acenaphthene	14.63	153	48473	2.932	ng/ul	98
11) Fluorene	15.61	166	57195	2.958	ng/ul	97
14) Phenanthrene	17.35	178	945539	30.999	ng/ul	98
16) Anthracene	17.44	178	199629	6.486	ng/ul	98
17) Fluoranthene	19.37	202	1347926	39.632	ng/ul	100
20) Pyrene	19.72	202	1183151	32.750	ng/ul	99
21) Benzo(a)anthracene	21.54	228	686279	19.165	ng/ul	97
22) Chrysene	21.60	228	714172	20.631	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	908397	23.354	ng/ul	98
25) Benzo(k)fluoranthene	23.69	252	908397	23.543	ng/ul	99
27) Benzo(a)pyrene	24.52	252	600245	16.809	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.18	276	392871	8.787	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	111596	3.078	ng/ul	97
30) Benzo(g,h,i)perylene	29.27	276	187672	5.015	ng/ul	98

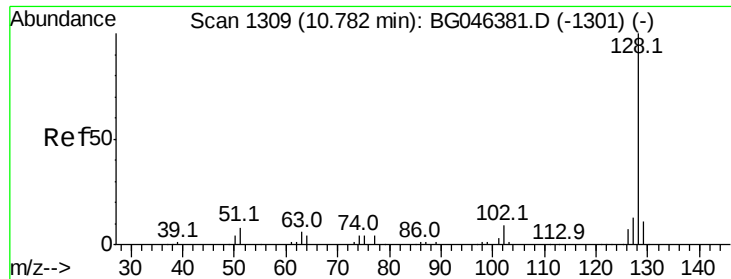
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.549 ng/ul

RT: 10.78 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BG046383.D

Acq: 20 Aug 2020 17:55

Instrument :

BNA_G

ClientSampleId :

BFMF8

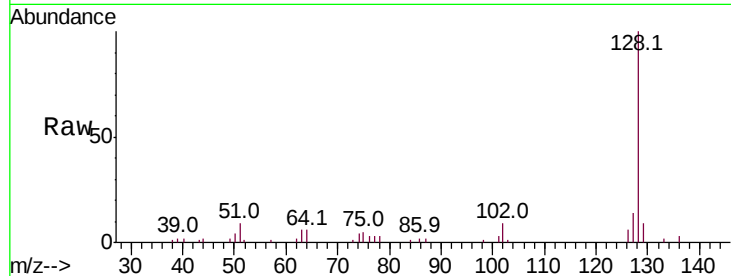
Tot Ion:128 Resp: 29150

Ion Ratio Lower Upper

128 100

129 8.9 9.0 13.6#

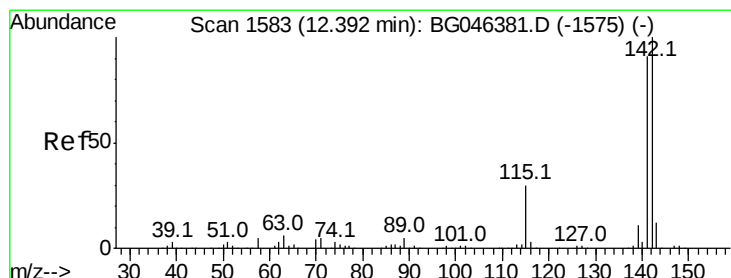
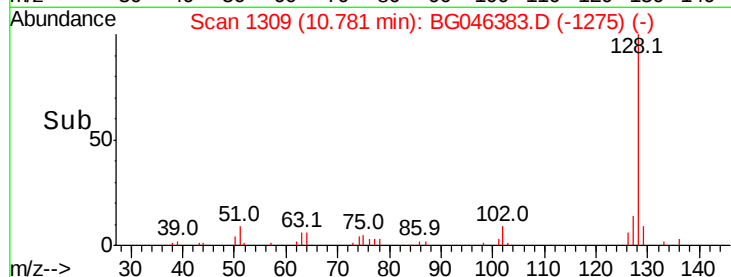
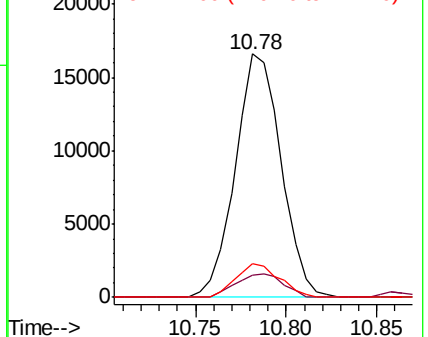
127 13.8 10.9 16.3



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: 1.283 ng/ul

RT: 12.39 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BG046383.D

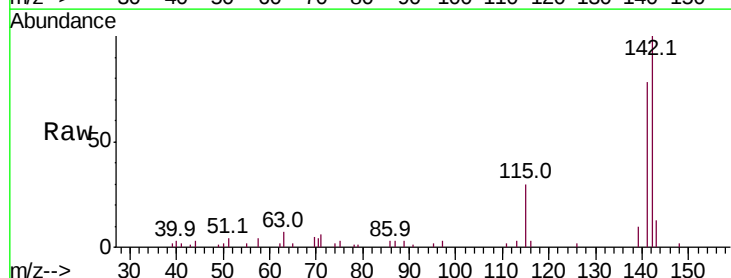
Acq: 20 Aug 2020 17:55

Tgt Ion:142 Resp: 18406

Ion Ratio Lower Upper

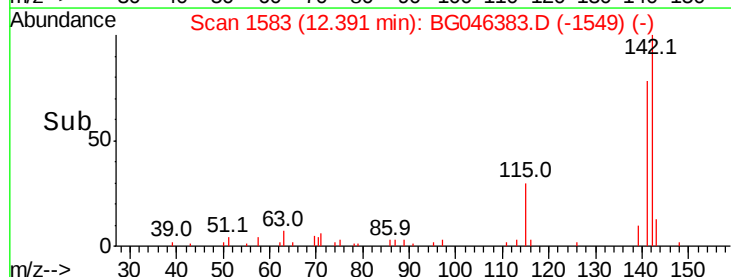
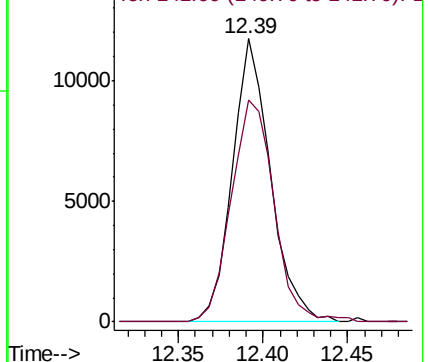
142 100

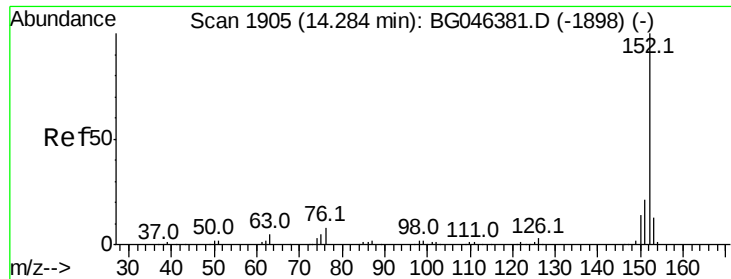
141 78.5 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.196 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BG046383.D

Acq: 20 Aug 2020 17:55

Instrument :

BNA_G

ClientSampleId :

BFMF8

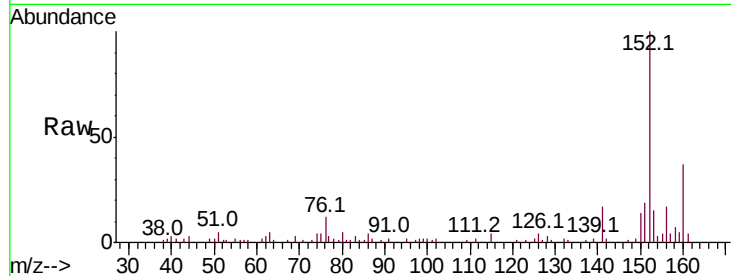
Tot Ion:152 Resp: 27696

Ion Ratio Lower Upper

152 100

151 19.0 16.5 24.7

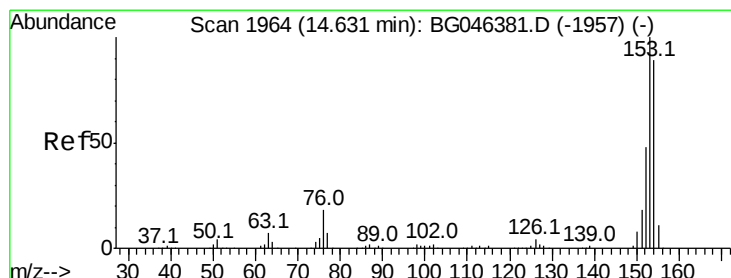
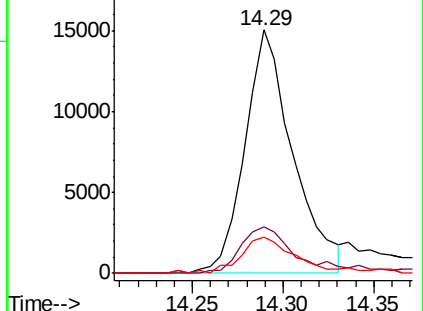
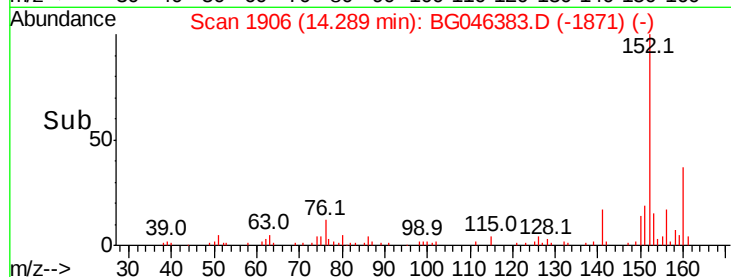
153 14.7 11.0 16.6



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: 2.932 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG046383.D

Acq: 20 Aug 2020 17:55

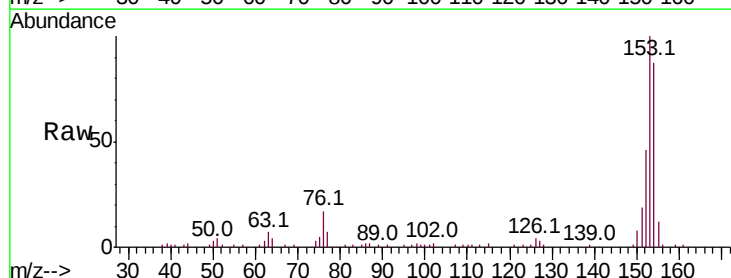
Tgt Ion:153 Resp: 48473

Ion Ratio Lower Upper

153 100

152 46.2 37.2 55.8

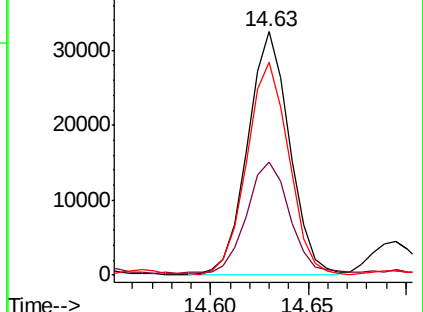
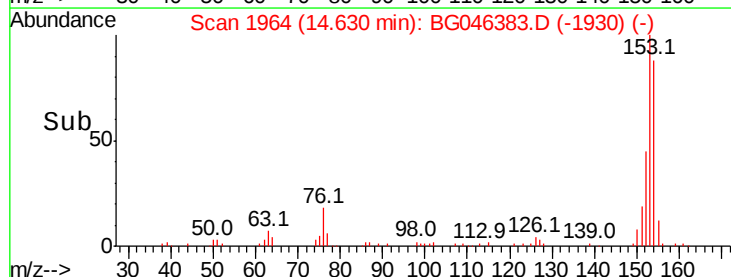
154 87.3 67.8 101.6

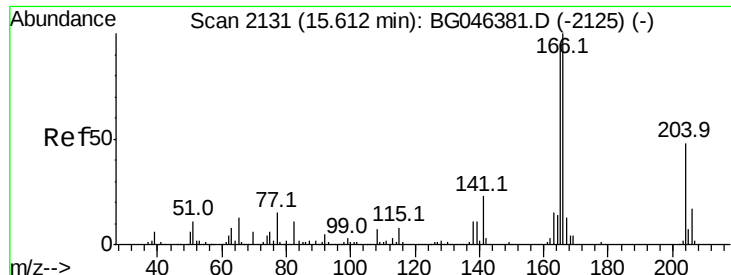


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

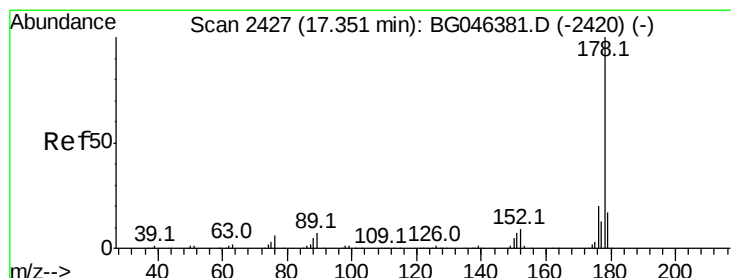
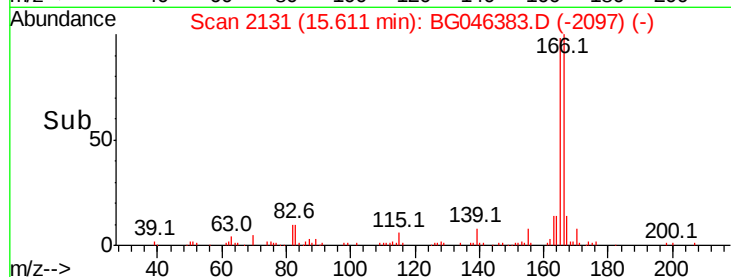
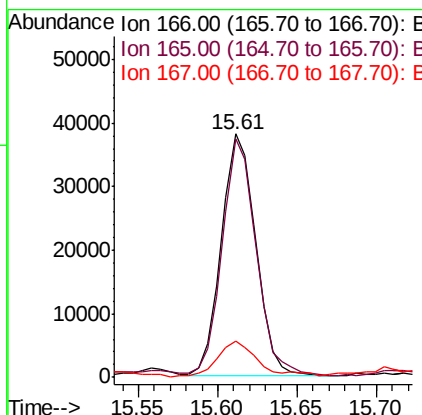
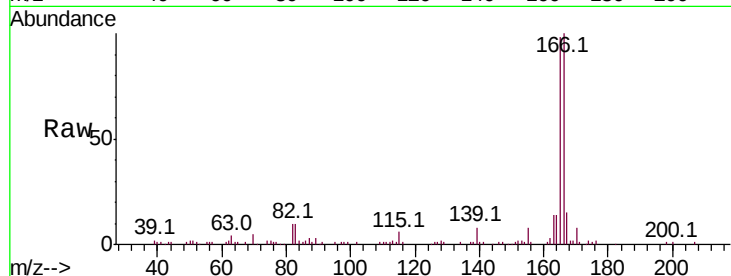




#11
Fluorene
Concen: 2.958 ng/ul
RT: 15.61 min Scan# 2131
Delta R.T. -0.00 min
Lab File: BG046383.D
Acq: 20 Aug 2020 17:55

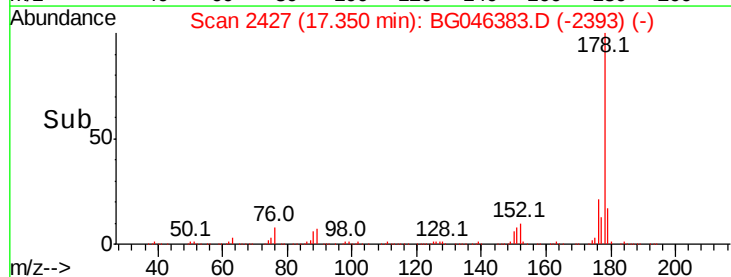
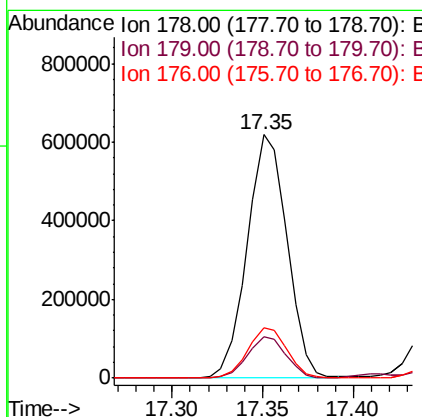
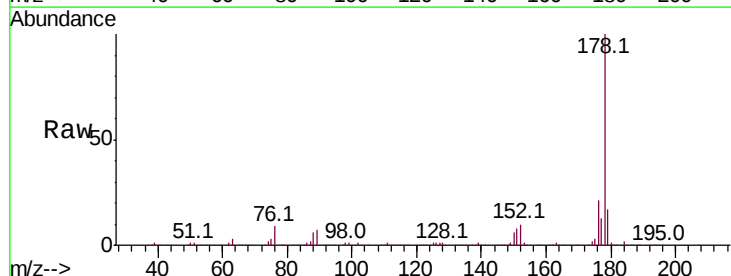
Instrument :
BNA_G
ClientSampleId :
BFMF8

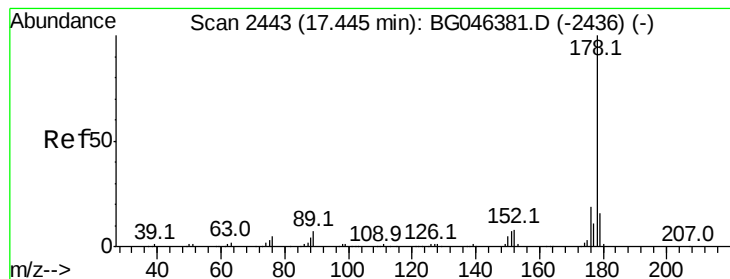
Tot Ion:166 Resp: 57195
Ion Ratio Lower Upper
166 100
165 98.2 75.9 113.9
167 14.8 10.7 16.1



#14
Phenanthrene
Concen: 30.999 ng/ul
RT: 17.35 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BG046383.D
Acq: 20 Aug 2020 17:55

Tgt Ion:178 Resp: 945539
Ion Ratio Lower Upper
178 100
179 17.0 12.8 19.2
176 20.5 15.8 23.8





#16

Anthracene

Concen: 6.486 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG046383.D

Acq: 20 Aug 2020 17:55

Instrument :

BNA_G

ClientSampleId :

BFMF8

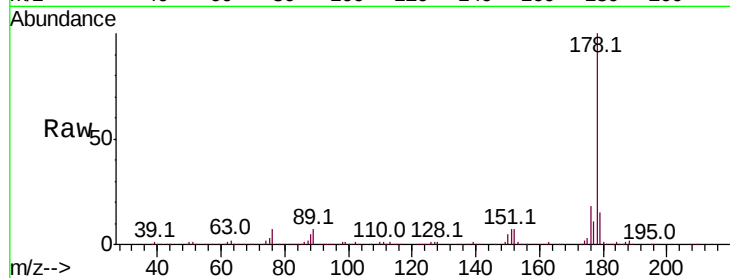
Tot Ion:178 Resp: 199629

Ion Ratio Lower Upper

178 100

179 15.4 13.2 19.8

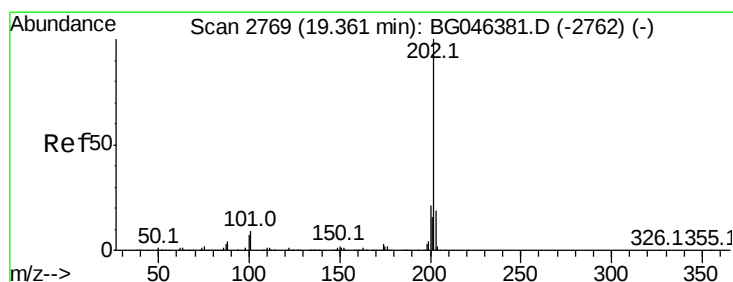
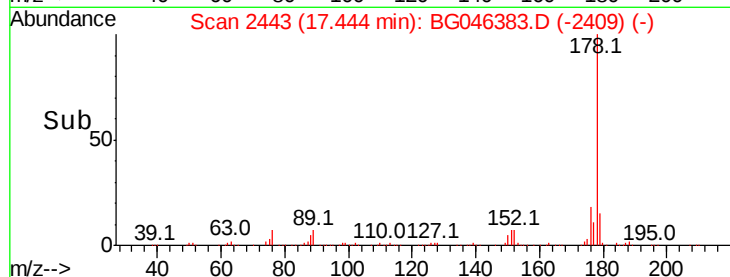
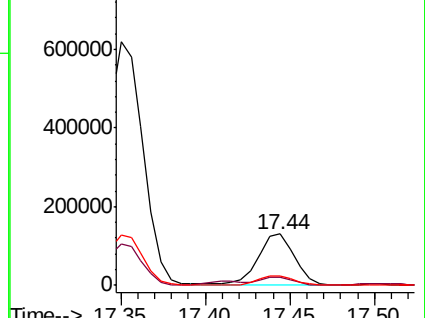
176 18.4 15.2 22.8



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: 39.632 ng/ul

RT: 19.37 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BG046383.D

Acq: 20 Aug 2020 17:55

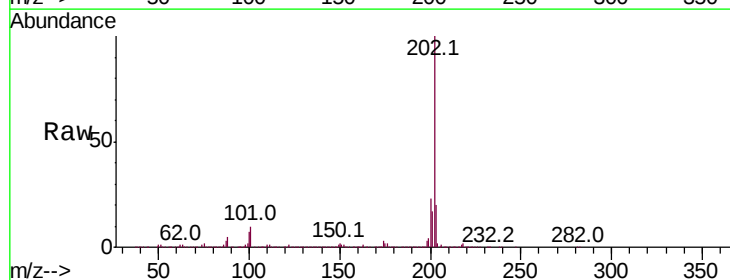
Tgt Ion:202 Resp: 1347926

Ion Ratio Lower Upper

202 100

101 9.9 7.8 11.6

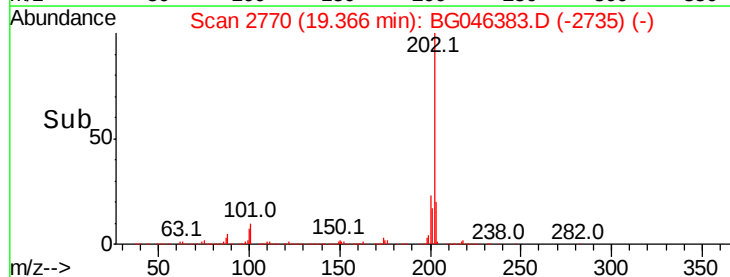
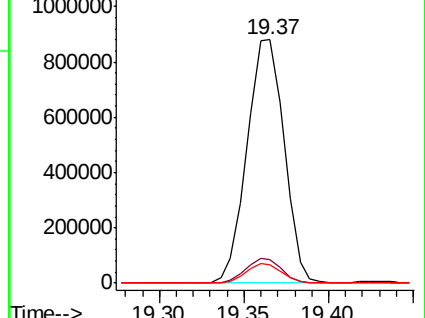
100 7.4 5.9 8.9

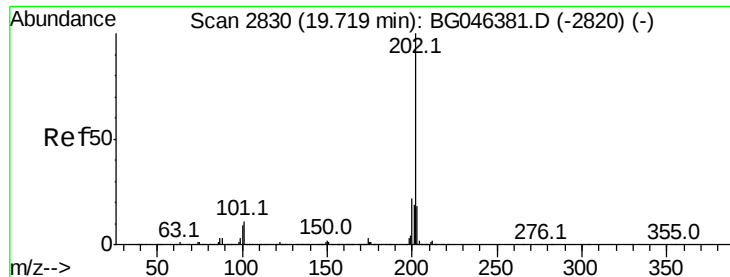


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

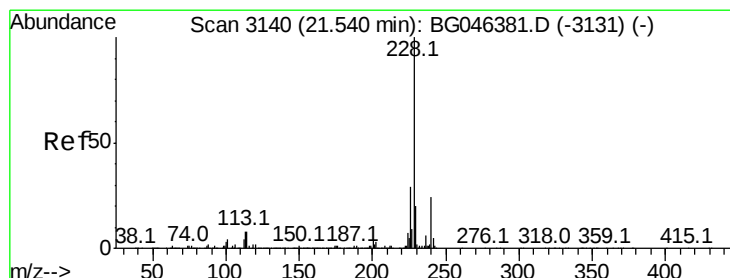
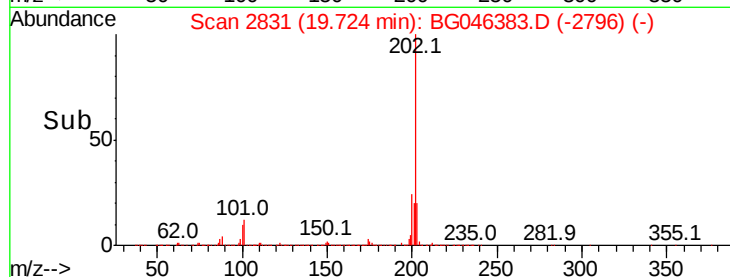
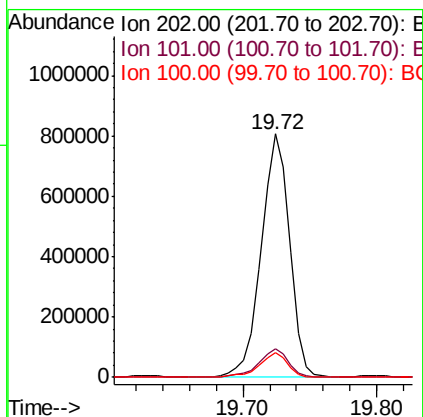
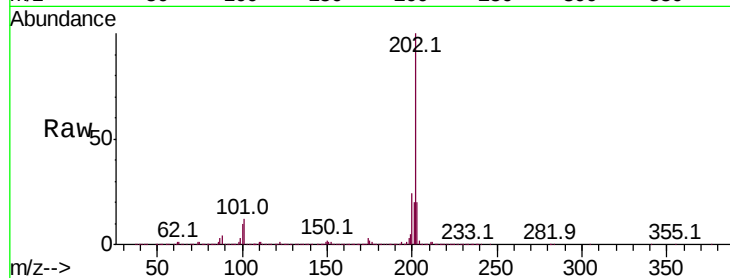




#20
Pvrene
Concen: 32.750 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BG046383.D
Acq: 20 Aug 2020 17:55

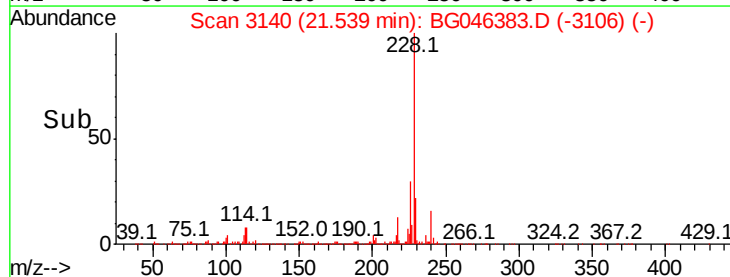
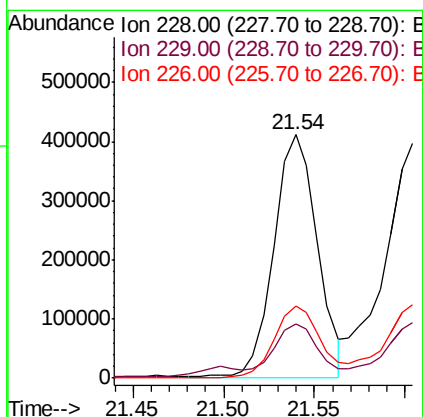
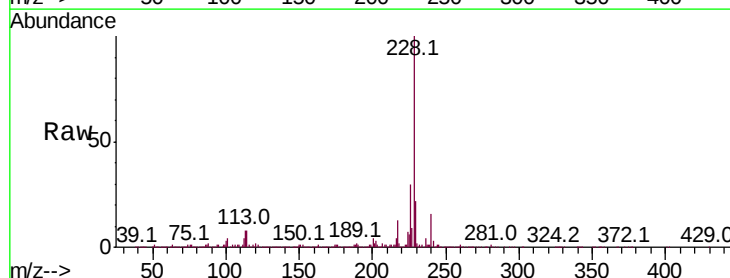
Instrument :
BNA_G
ClientSampleId :
BFMF8

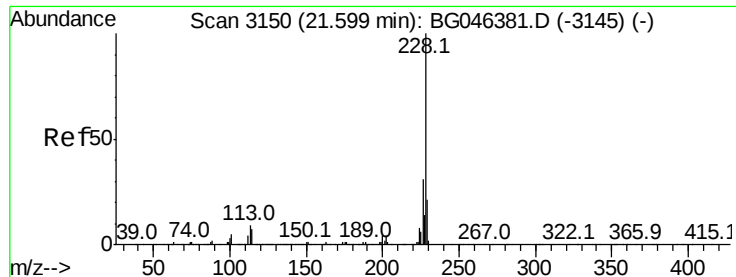
Tot Ion:202 Resp: 1183151
Ion Ratio Lower Upper
202 100
101 11.8 8.9 13.3
100 9.9 7.9 11.9



#21
Benzo(a)anthracene
Concen: 19.165 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046383.D
Acq: 20 Aug 2020 17:55

Tgt Ion:228 Resp: 686279
Ion Ratio Lower Upper
228 100
229 22.3 16.6 25.0
226 29.7 22.6 33.8





#22

Chrysene

Concen: 20.631 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046383.D

Acq: 20 Aug 2020 17:55

Instrument :

BNA_G

ClientSampleId :

BFMF8

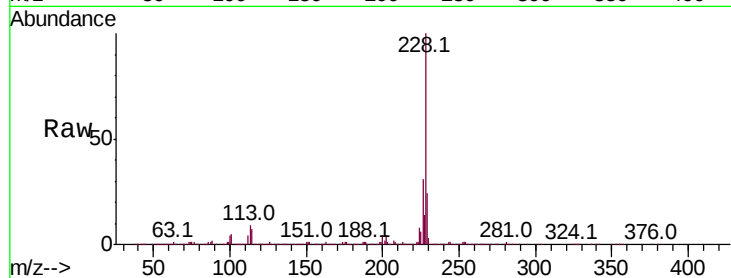
Tot Ion:228 Resp: 714172

Ion Ratio Lower Upper

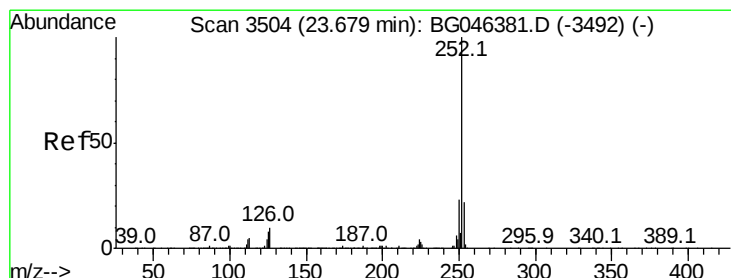
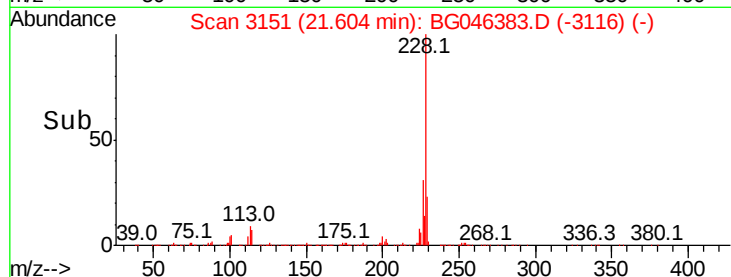
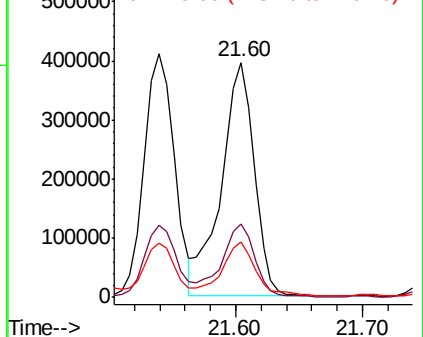
228 100

226 31.4 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: 23.354 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.01 min

Lab File: BG046383.D

Acq: 20 Aug 2020 17:55

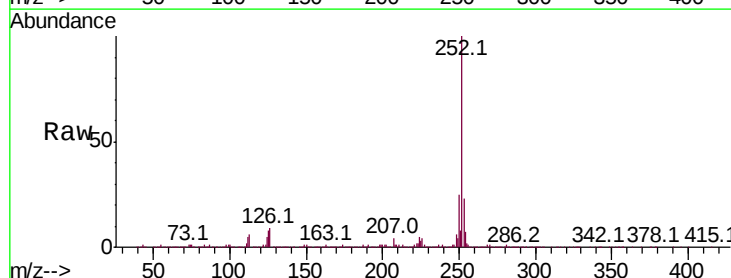
Tgt Ion:252 Resp: 908397

Ion Ratio Lower Upper

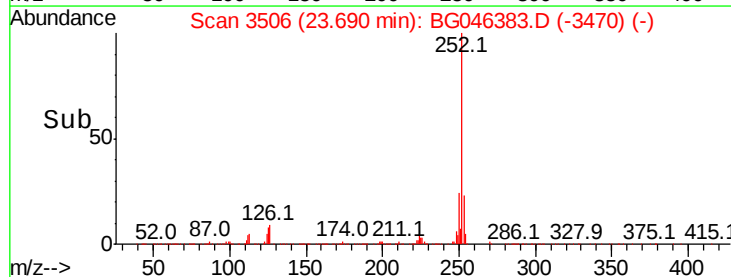
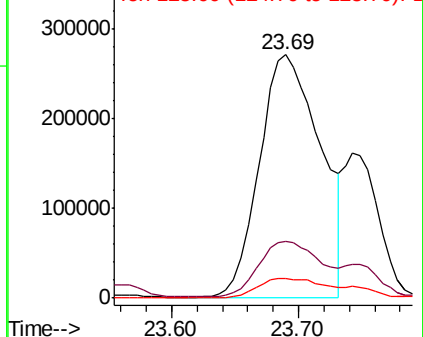
252 100

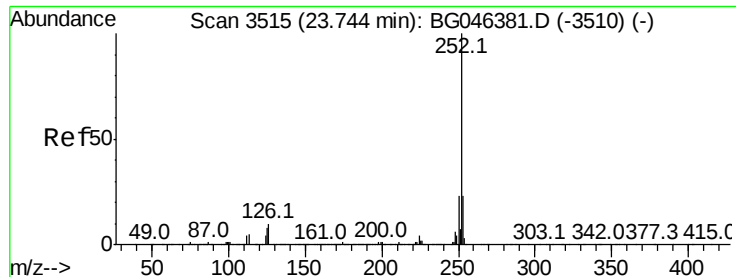
253 23.4 17.8 26.6

125 8.2 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: 23.543 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. -0.05 min

Lab File: BG046383.D

Acq: 20 Aug 2020 17:55

Instrument :

BNA_G

ClientSampleId :

BFMF8

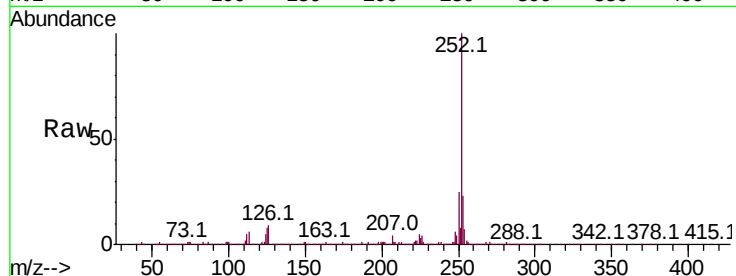
Tot Ion:252 Resp: 908397

Ion Ratio Lower Upper

252 100

253 23.4 18.5 27.7

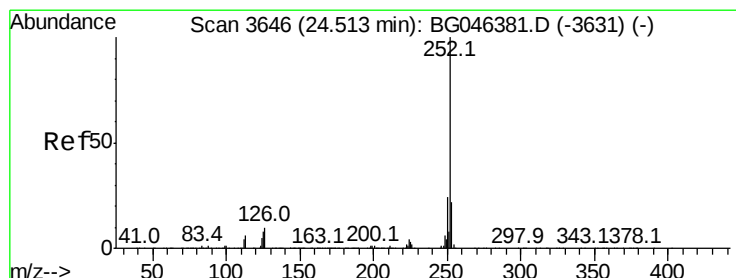
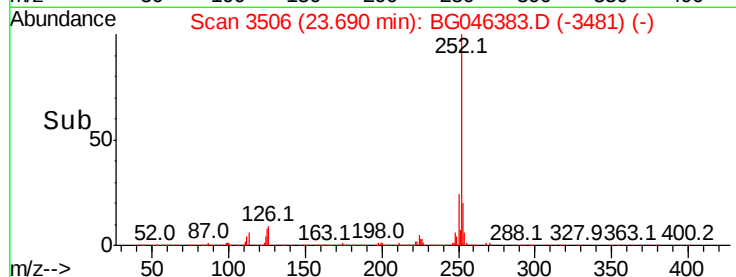
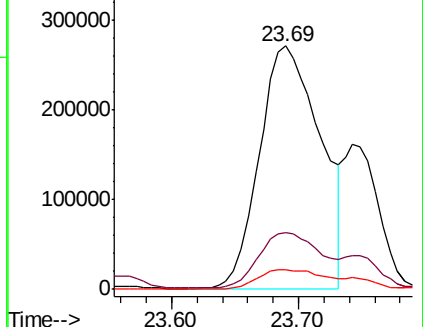
125 8.2 6.2 9.2



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: 16.809 ng/ul

RT: 24.52 min Scan# 3648

Delta R.T. 0.01 min

Lab File: BG046383.D

Acq: 20 Aug 2020 17:55

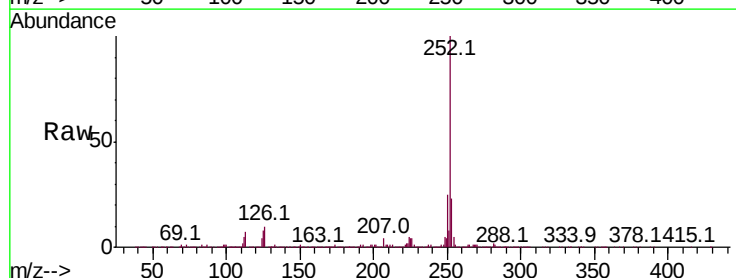
Tgt Ion:252 Resp: 600245

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

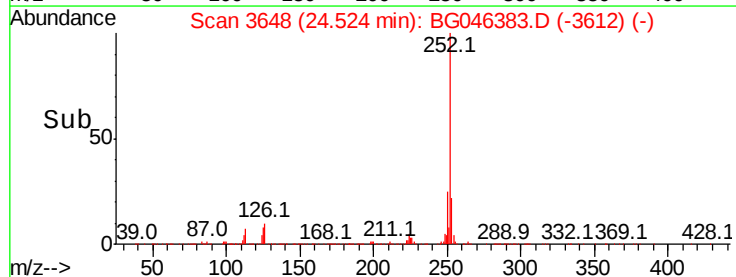
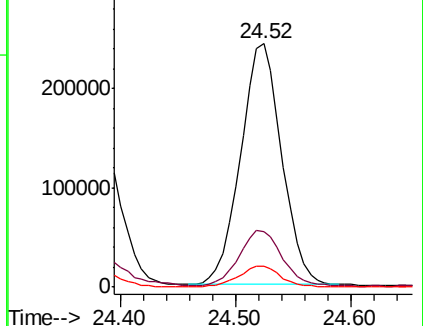
125 8.5 7.1 10.7

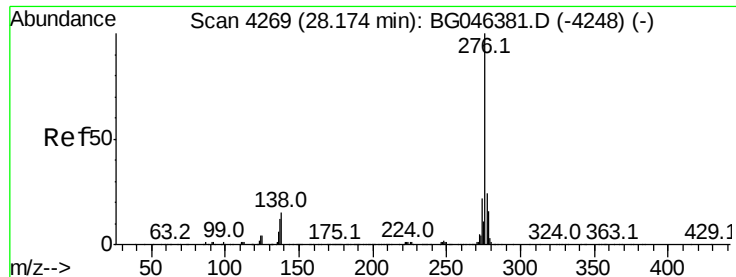


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

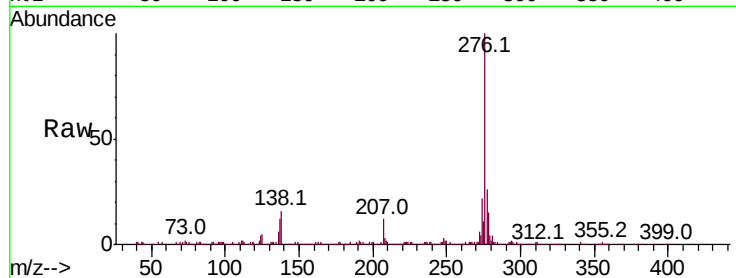




#28
 Indeno(1,2,3-cd)pyrene
 Concen: 8.787 ng/ul
 RT: 28.18 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: BG046383.D
 Acq: 20 Aug 2020 17:55

Instrument :
 BNA_G
 ClientSampleId :
 BFMF8

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.8	13.2	19.8
277	26.3	19.9	29.9

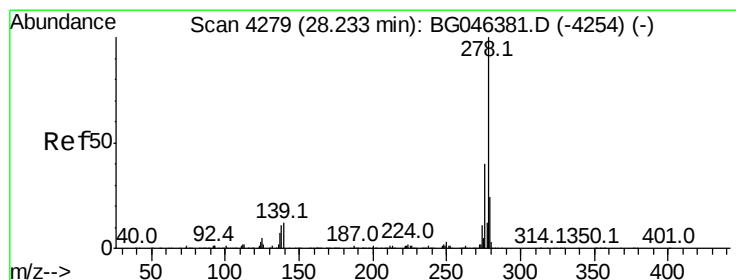
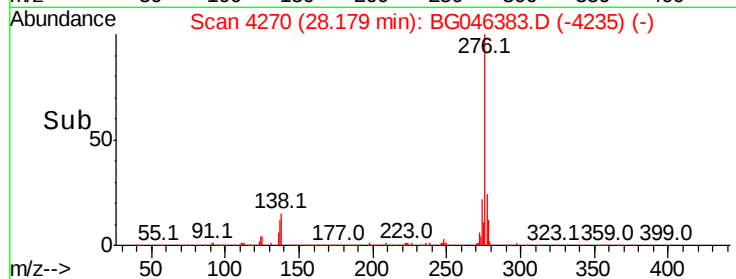
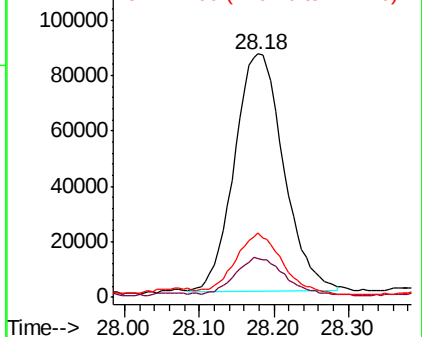


Abundance

Ion 276.00 (275.70 to 276.70): E

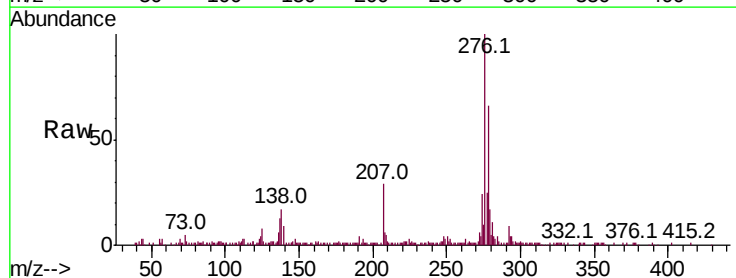
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#29
 Dibenzo(a,h)anthracene
 Concen: 3.078 ng/ul
 RT: 28.22 min Scan# 4277
 Delta R.T. -0.01 min
 Lab File: BG046383.D
 Acq: 20 Aug 2020 17:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.9	9.8	14.8
279	26.3	19.7	29.5

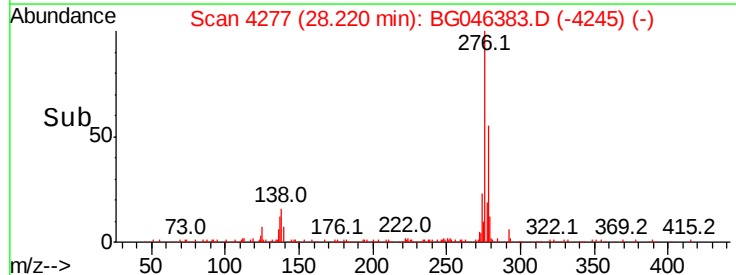
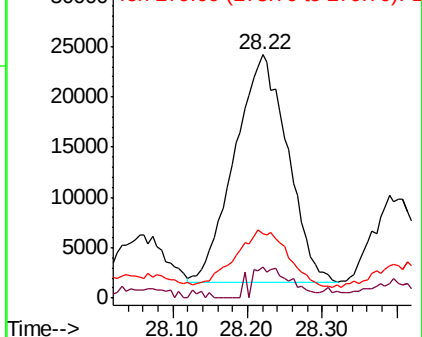


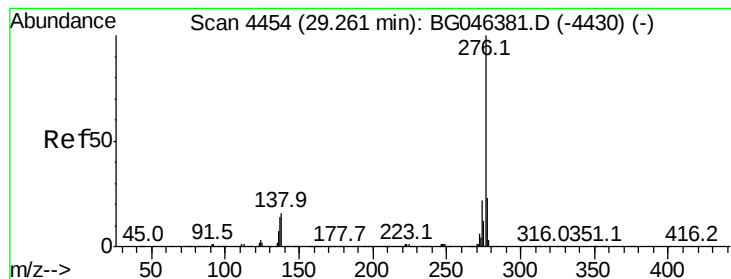
Abundance

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: 5.015 ng/ul

RT: 29.27 min Scan# 4456

Delta R.T. 0.01 min

Lab File: BG046383.D

Acq: 20 Aug 2020 17:55

Instrument :

BNA_G

ClientSampleId :

BFMF8

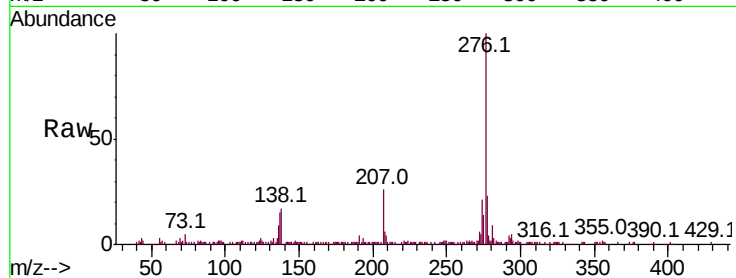
Tot Ion:276 Resp: 187672

Ion Ratio Lower Upper

276 100

138 16.9 12.9 19.3

277 23.2 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

