

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046385.D
 Acq On : 20 Aug 2020 19:15
 Operator : CG/JU
 Sample : L3634-16
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMG4

Quant Time: Aug 21 00:38:53 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

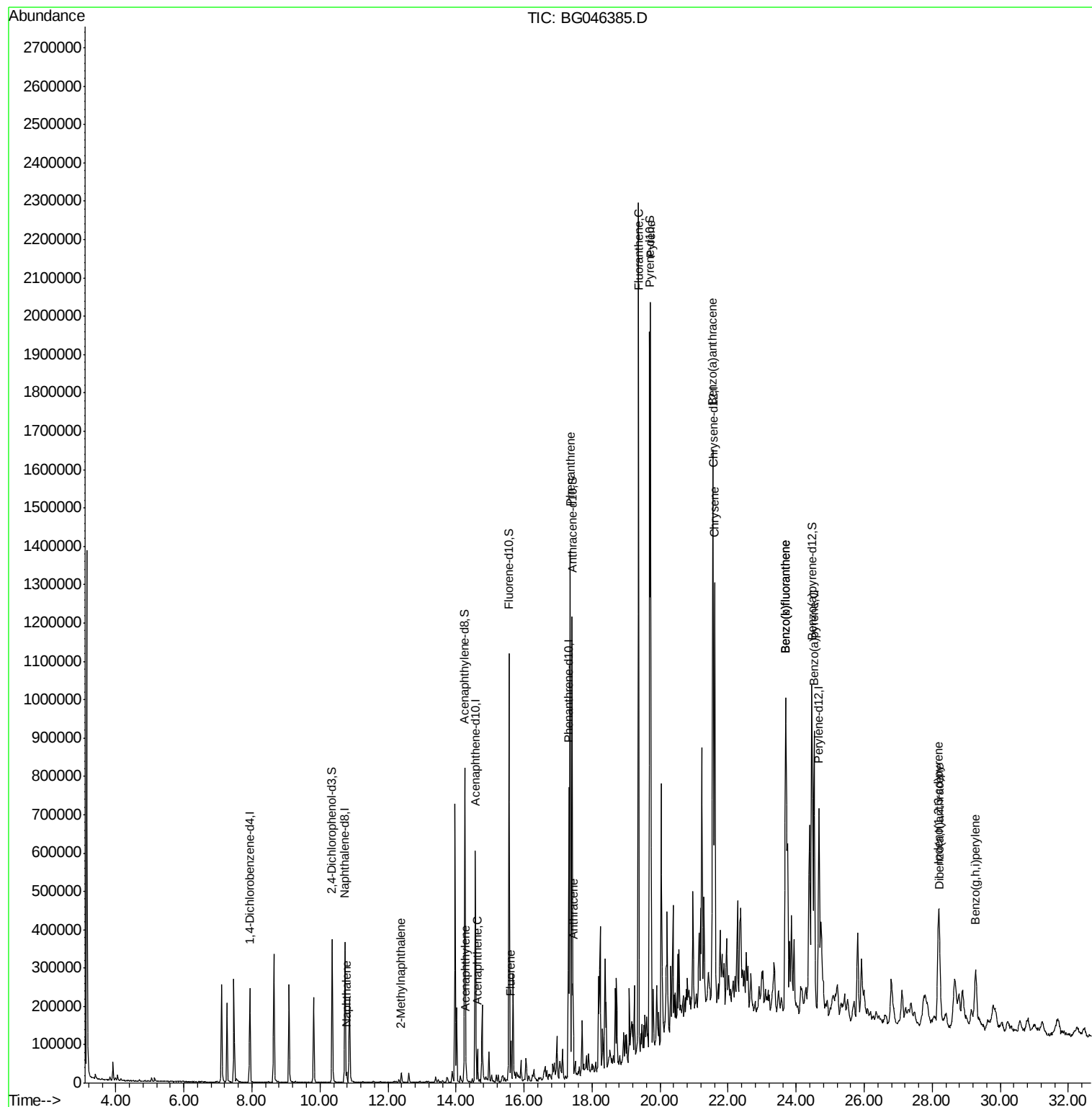
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	77782	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	325346	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	221951	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	508877	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	506811	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	546959	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	160610	28.67	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	621345	30.42	ng/ul	0.00
10) Fluorene-d10	15.56	176	479706	30.65	ng/ul	0.00
15) Anthracene-d10	17.41	188	706549	29.95	ng/ul	0.00
19) Pyrene-d10	19.69	212	845214	32.40	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	949691	31.82	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.79	128	23343	1.379	ng/ul	98
5) 2-Methylnaphthalene	12.39	142	13678	1.060	ng/ul	96
8) Acenaphthylene	14.29	152	36615	1.763	ng/ul	97
9) Acenaphthene	14.63	153	37008	2.496	ng/ul	98
11) Fluorene	15.62	166	42479	2.450	ng/ul	98
14) Phenanthrene	17.35	178	883137	31.546	ng/ul	98
16) Anthracene	17.44	178	159758	5.656	ng/ul	98
17) Fluoranthene	19.36	202	1342850	43.018	ng/ul	98
20) Pyrene	19.72	202	1231148	37.008	ng/ul	99
21) Benzo(a)anthracene	21.54	228	758503	23.003	ng/ul	96
22) Chrysene	21.60	228	771914	24.216	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	1066767	29.494	ng/ul	98
25) Benzo(k)fluoranthene	23.69	252	1066767	29.732	ng/ul	99
27) Benzo(a)pyrene	24.52	252	783015	23.580	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.18	276	529817	12.743	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	98706	2.928	ng/ul	98
30) Benzo(g,h,i)perylene	29.28	276	310492	8.923	ng/ul	98

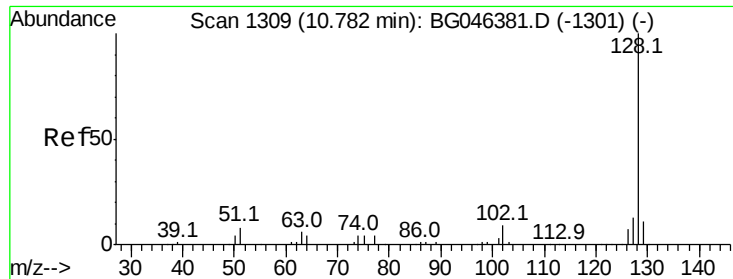
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.379 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Instrument :

BNA_G

ClientSampleId :

BFMG4

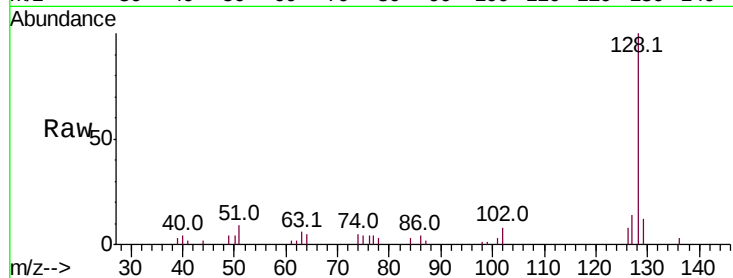
Tot Ion:128 Resp: 23343

Ion Ratio Lower Upper

128 100

129 12.2 9.0 13.6

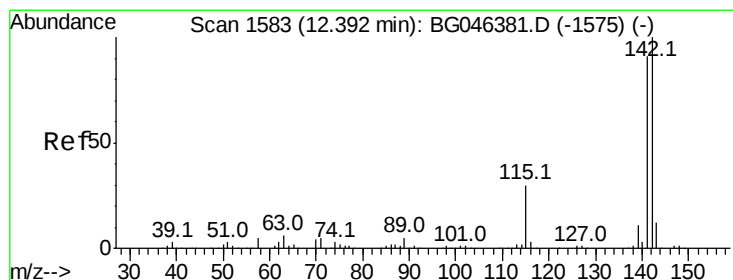
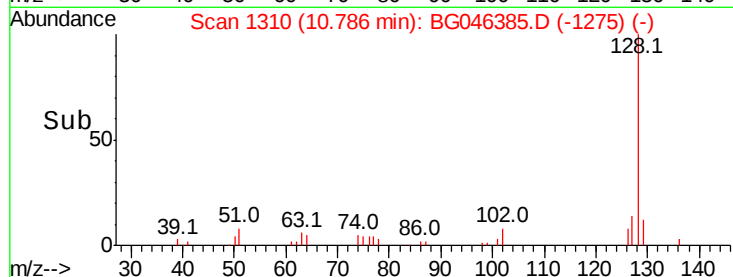
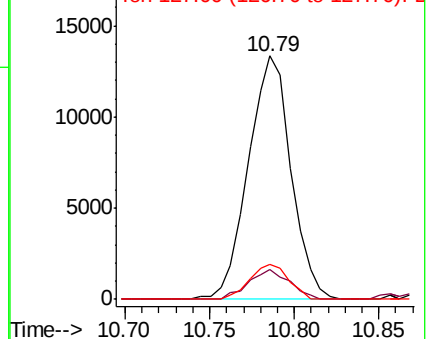
127 14.3 10.9 16.3



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: 1.060 ng/ul

RT: 12.39 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BG046385.D

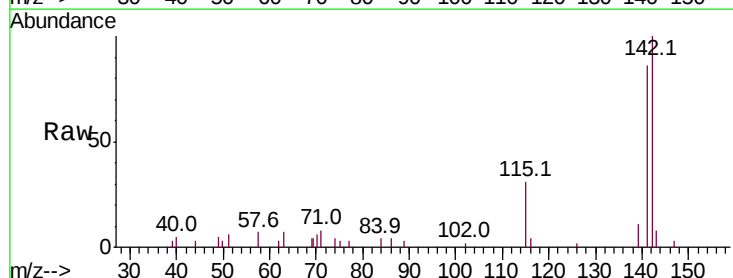
Acq: 20 Aug 2020 19:15

Tgt Ion:142 Resp: 13678

Ion Ratio Lower Upper

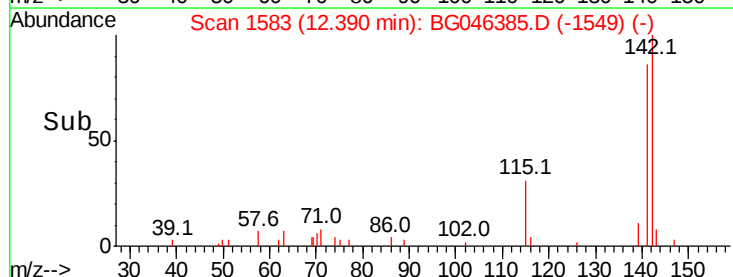
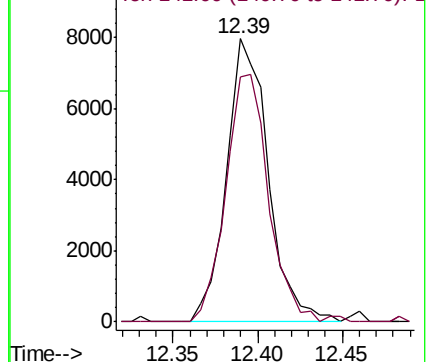
142 100

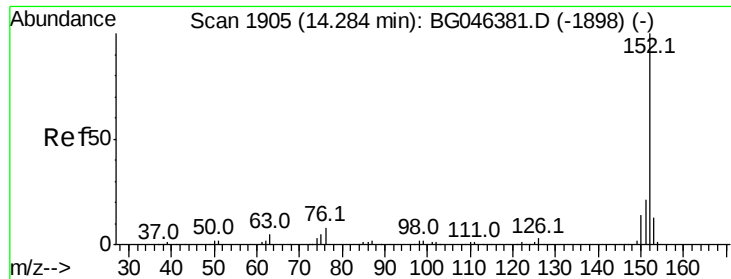
141 86.4 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.763 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. 0.01 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Instrument :

BNA_G

ClientSampleId :

BFMG4

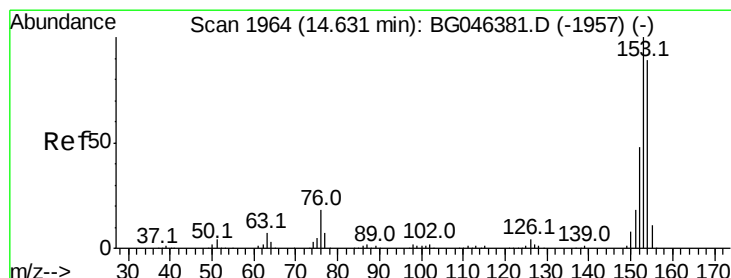
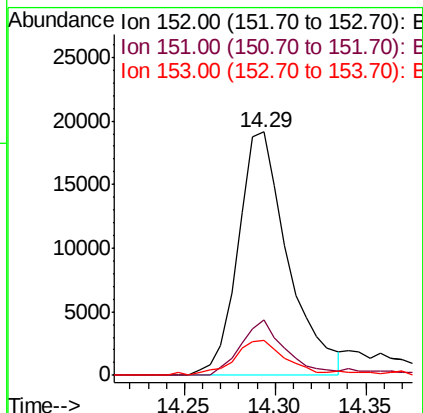
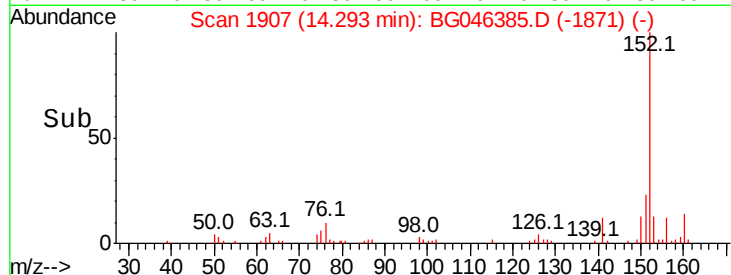
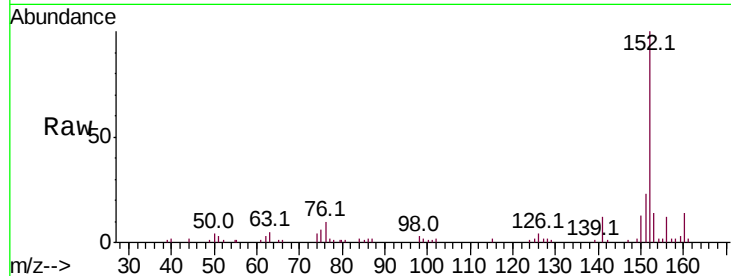
Tot Ion:152 Resp: 36615

Ion Ratio Lower Upper

152 100

151 22.6 16.5 24.7

153 14.2 11.0 16.6



#9

Acenaphthene

Concen: 2.496 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

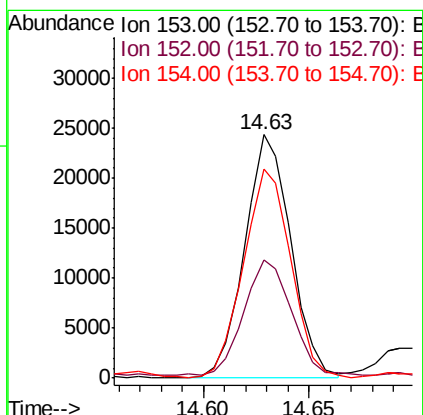
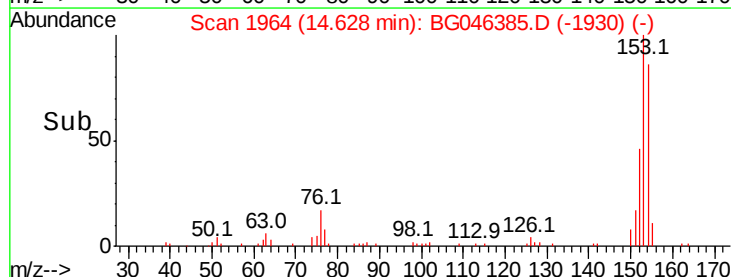
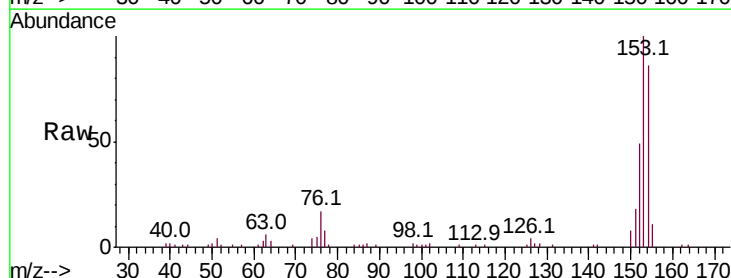
Tgt Ion:153 Resp: 37008

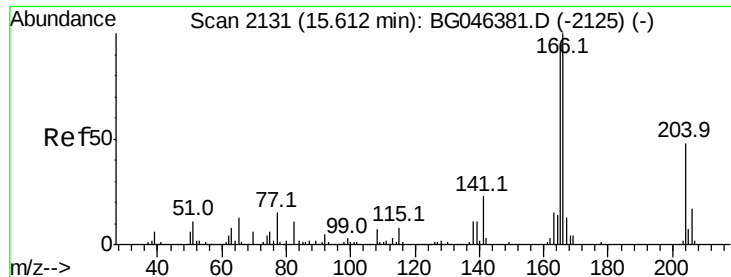
Ion Ratio Lower Upper

153 100

152 48.7 37.2 55.8

154 85.9 67.8 101.6

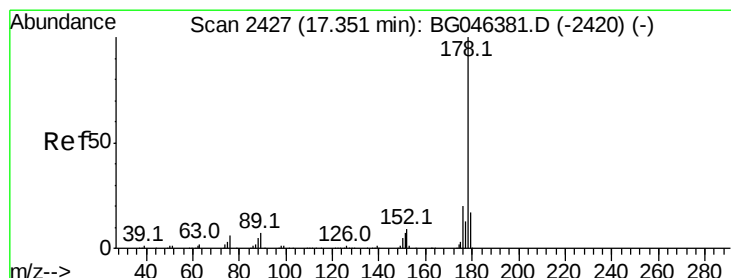
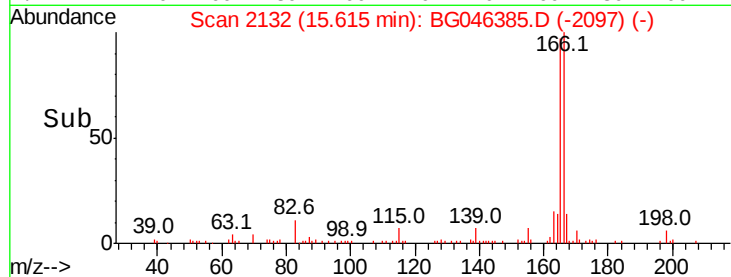
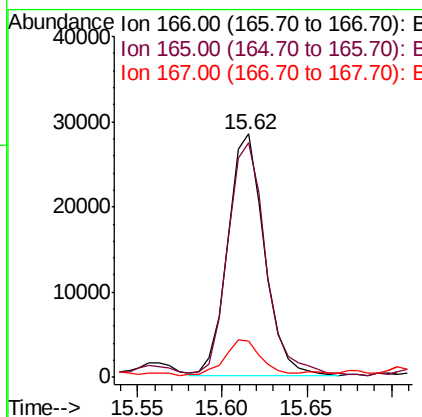
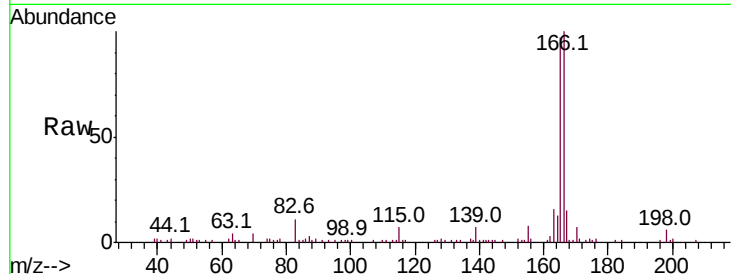




#11
 Fluorene
 Concen: 2.450 ng/ul
 RT: 15.62 min Scan# 2132
 Delta R.T. 0.00 min
 Lab File: BG046385.D
 Acq: 20 Aug 2020 19:15

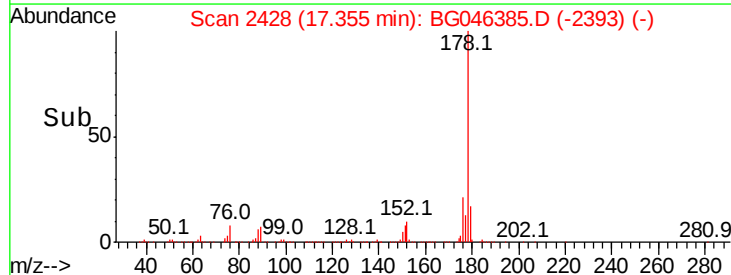
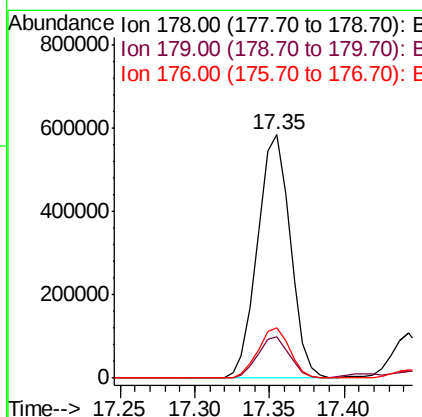
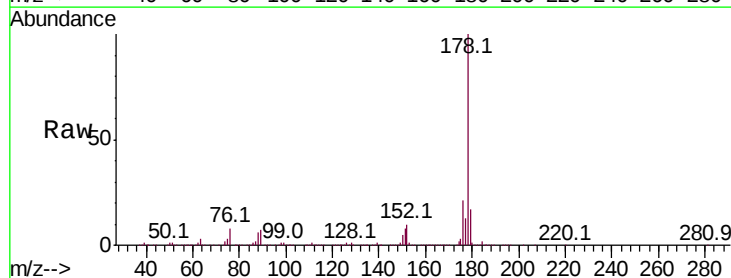
Instrument :
 BNA_G
 ClientSampleId :
 BFMG4

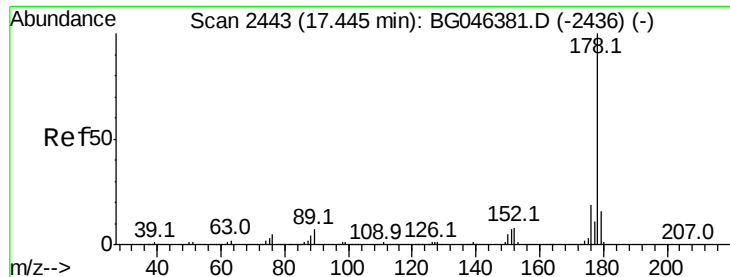
Tot Ion:166 Resp: 42479
 Ion Ratio Lower Upper
 166 100
 165 96.6 75.9 113.9
 167 15.0 10.7 16.1



#14
 Phenanthrene
 Concen: 31.546 ng/ul
 RT: 17.35 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG046385.D
 Acq: 20 Aug 2020 19:15

Tgt Ion:178 Resp: 883137
 Ion Ratio Lower Upper
 178 100
 179 16.9 12.8 19.2
 176 20.8 15.8 23.8





#16

Anthracene

Concen: 5.656 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Instrument :

BNA_G

ClientSampleId :

BFMG4

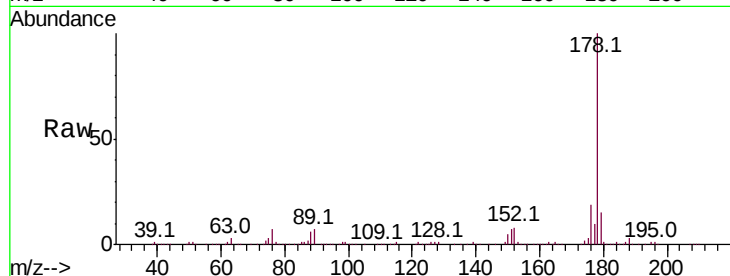
Tot Ion:178 Resp: 159758

Ion Ratio Lower Upper

178 100

179 14.9 13.2 19.8

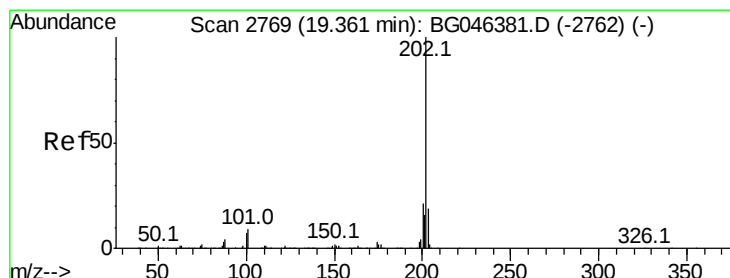
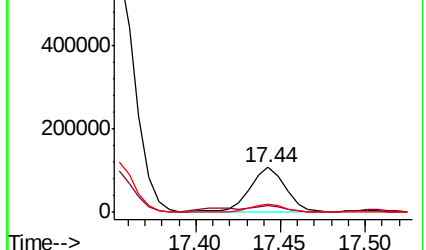
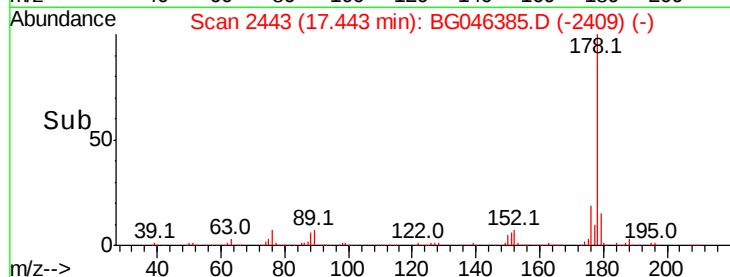
176 18.5 15.2 22.8



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: 43.018 ng/ul

RT: 19.36 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

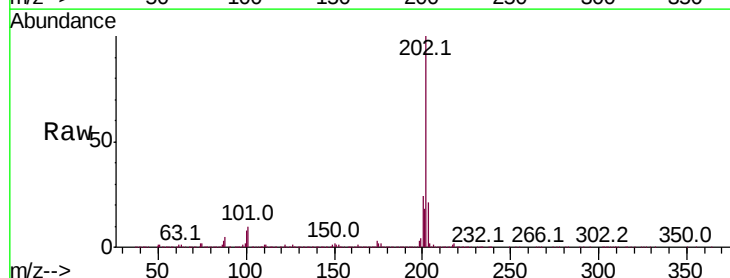
Tgt Ion:202 Resp: 1342850

Ion Ratio Lower Upper

202 100

101 10.5 7.8 11.6

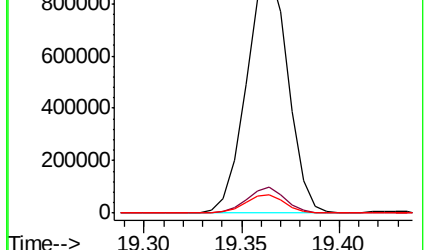
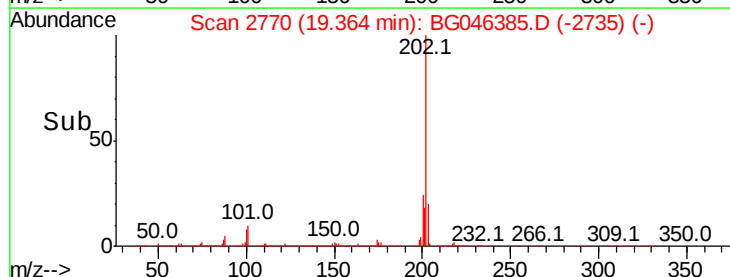
100 7.7 5.9 8.9

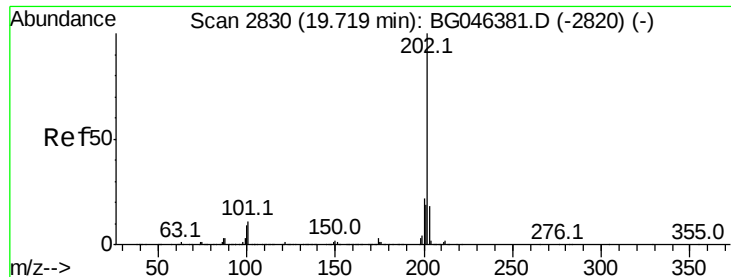


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

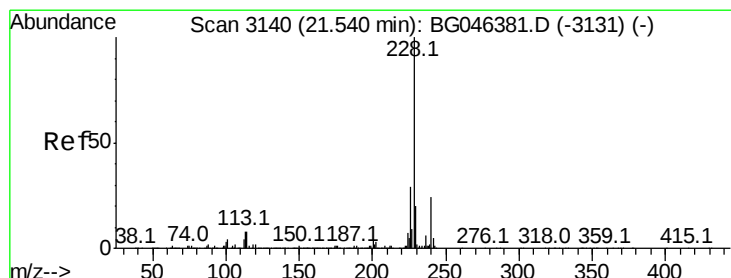
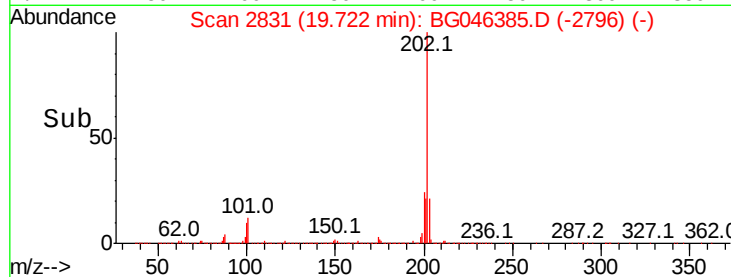
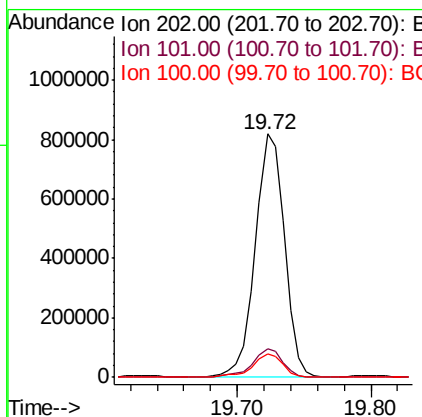
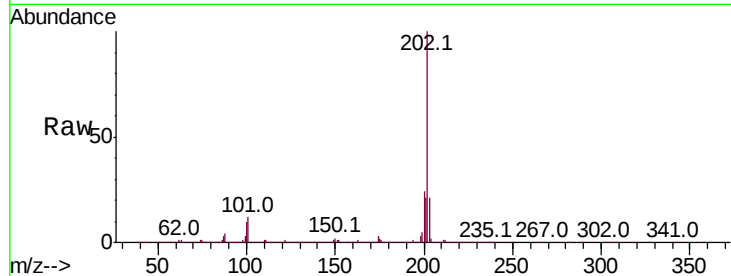




#20
Pvrene
Concen: 37.008 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BG046385.D
Acq: 20 Aug 2020 19:15

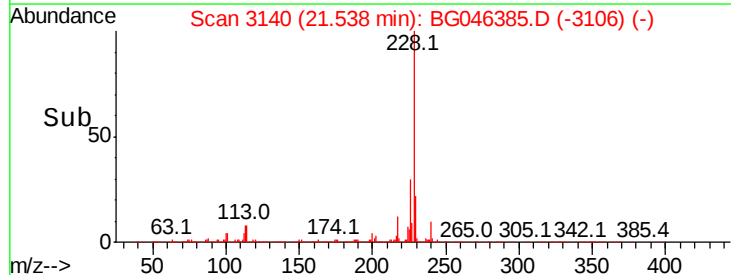
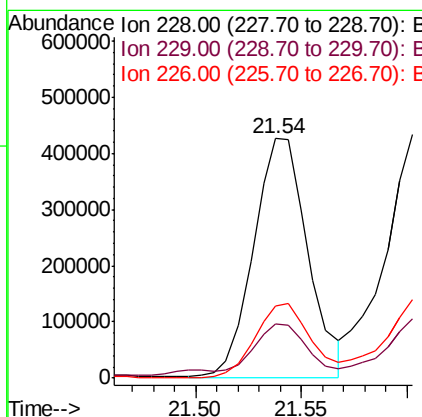
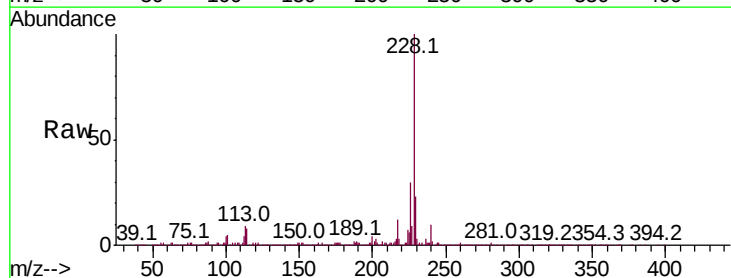
Instrument :
BNA_G
ClientSampleId :
BFMG4

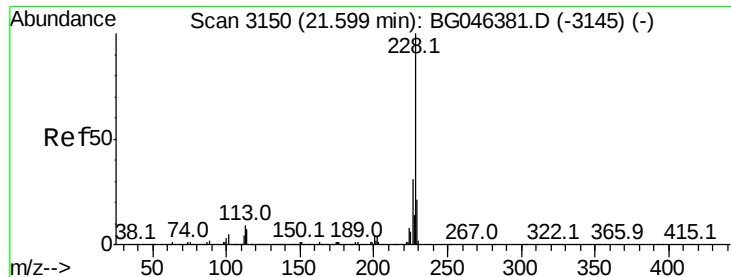
Tot Ion:202 Resp: 1231148
Ion Ratio Lower Upper
202 100
101 11.9 8.9 13.3
100 9.7 7.9 11.9



#21
Benzo(a)anthracene
Concen: 23.003 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046385.D
Acq: 20 Aug 2020 19:15

Tgt Ion:228 Resp: 758503
Ion Ratio Lower Upper
228 100
229 22.5 16.6 25.0
226 30.0 22.6 33.8





#22

Chrysene

Concen: 24.216 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Instrument :

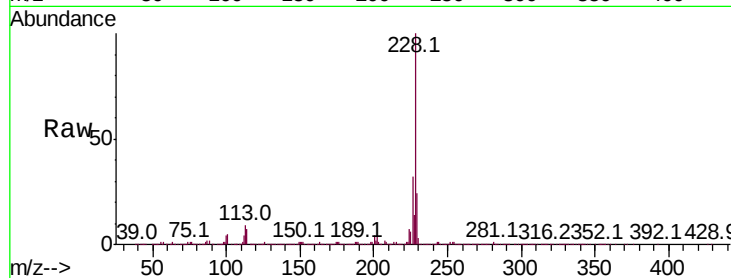
BNA_G

ClientSampleId :

BFMG4

Tot Ion:228 Resp: 771914

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.5	38.3
229	24.1	17.0	25.4

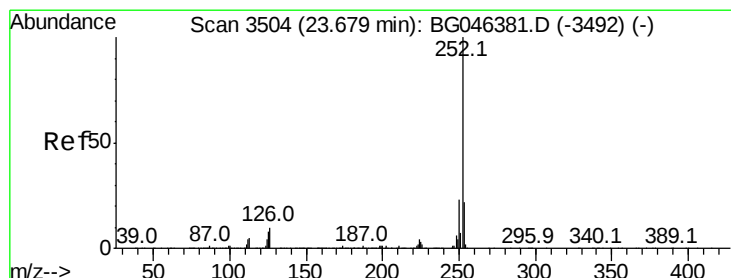
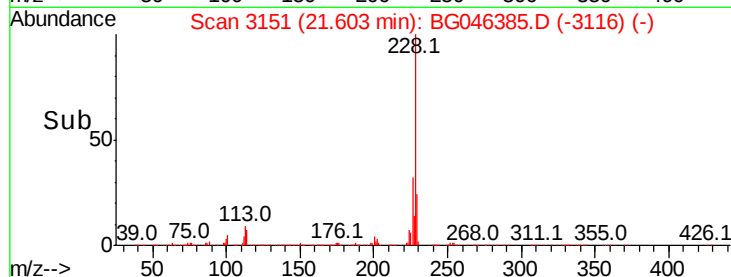
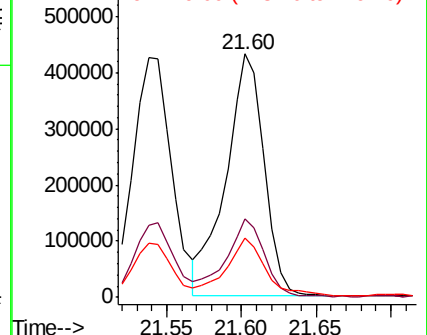


Abundance

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: 29.494 ng/ul

RT: 23.69 min Scan# 3507

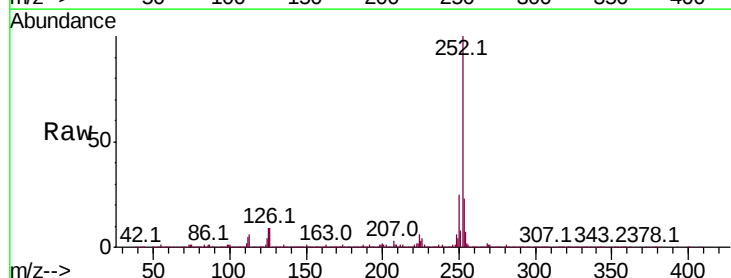
Delta R.T. 0.02 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Tgt Ion:252 Resp: 1066767

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	8.7	6.4	9.6

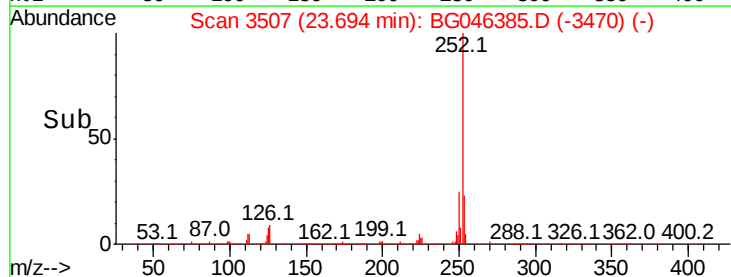
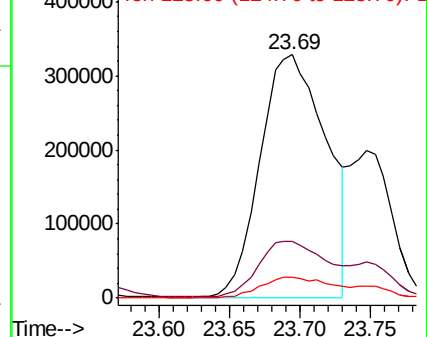


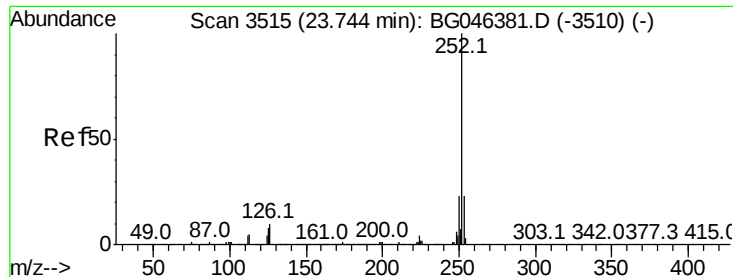
Abundance

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: 29.732 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. -0.05 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Instrument :

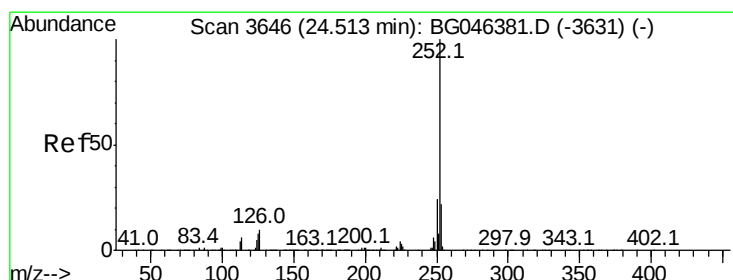
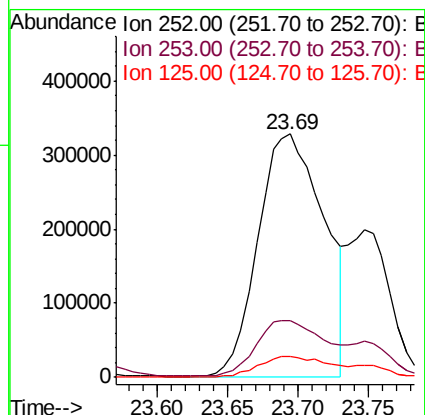
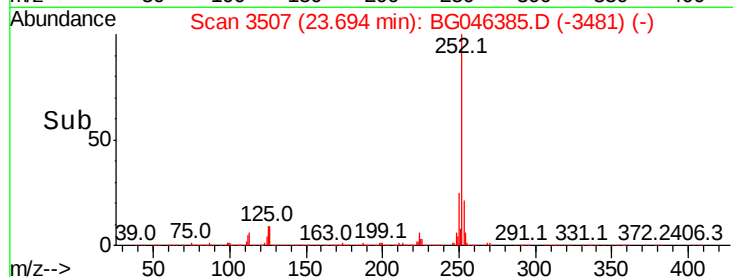
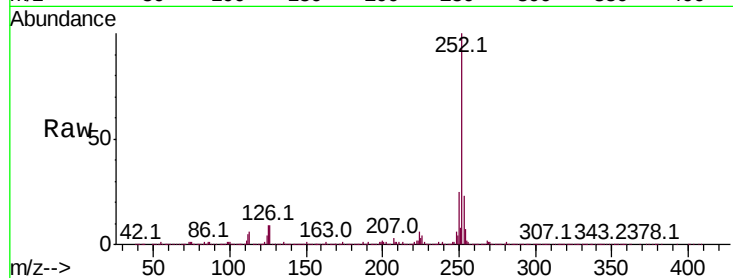
BNA_G

ClientSampleId :

BFMG4

Tot Ion:252 Resp: 1066767

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	8.7	6.2	9.2



#27

Benzo(a)pyrene

Concen: 23.580 ng/ul

RT: 24.52 min Scan# 3648

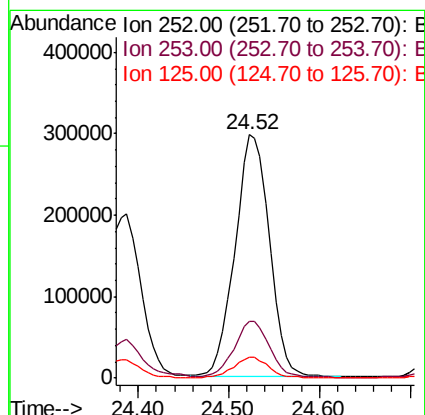
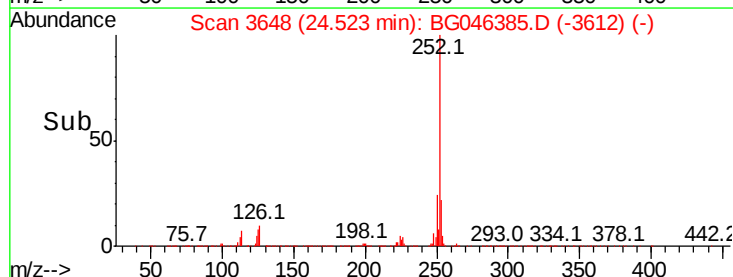
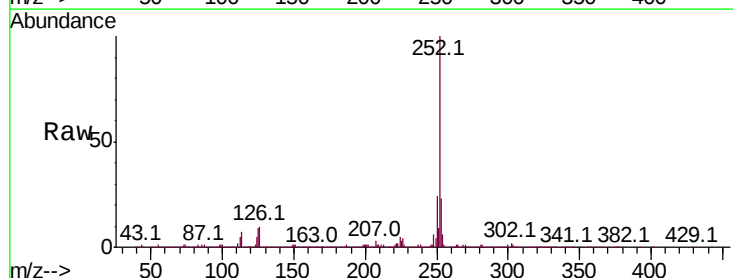
Delta R.T. 0.01 min

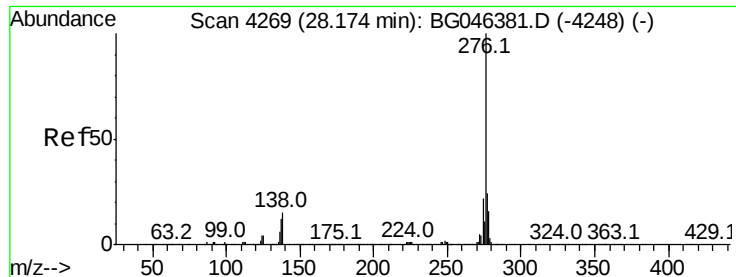
Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Tgt Ion:252 Resp: 783015

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	8.6	7.1	10.7



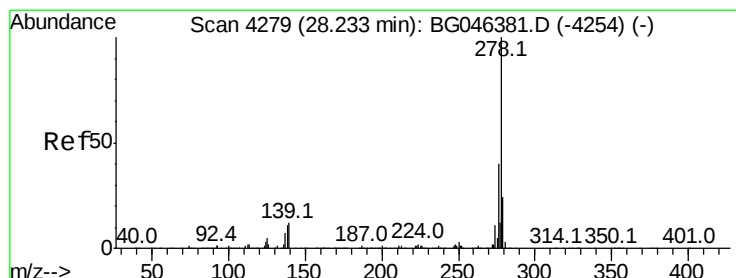
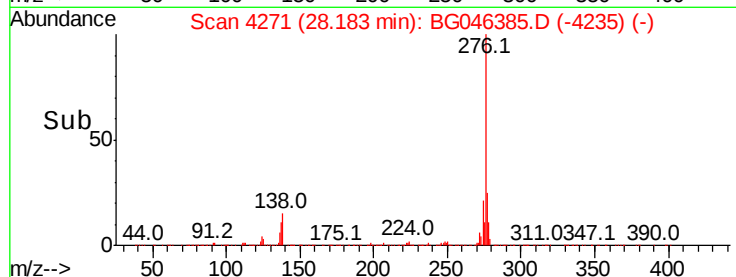
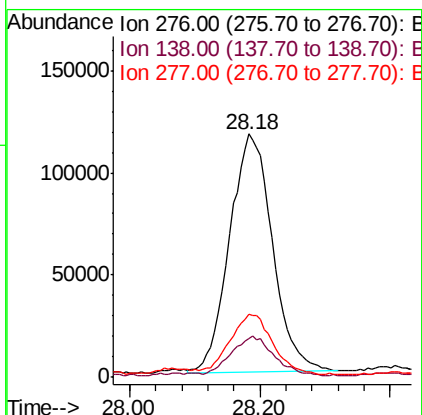
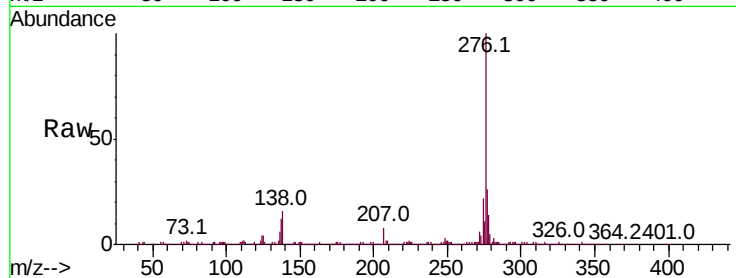


#28

Indeno(1,2,3-cd)pyrene
Concen: 12.743 ng/ul
RT: 28.18 min Scan# 4271
Delta R.T. 0.01 min
Lab File: BG046385.D
Acq: 20 Aug 2020 19:15

Instrument :
BNA_G
ClientSampleId :
BFMG4

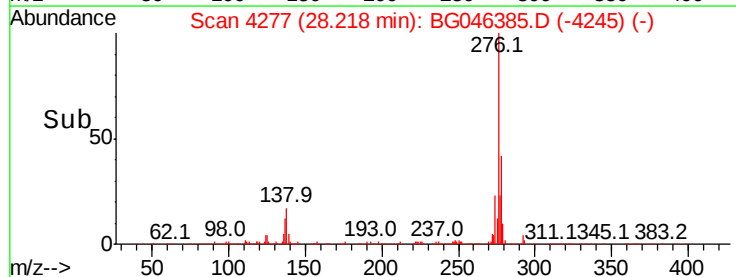
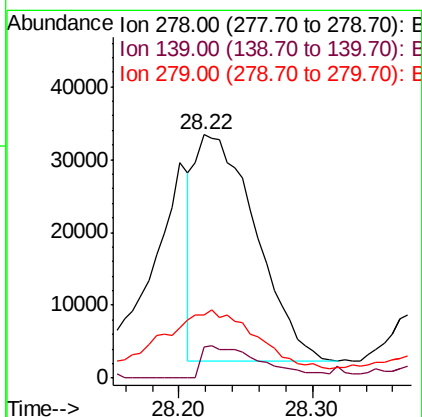
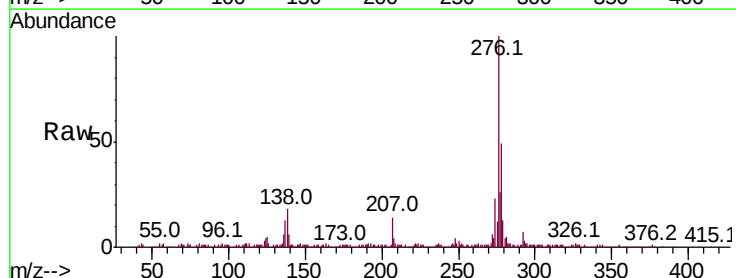
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.9	13.2	19.8
277	25.9	19.9	29.9

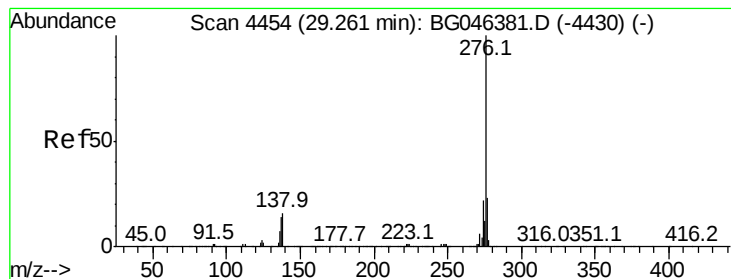


#29

Dibenzo(a,h)anthracene
Concen: 2.928 ng/ul
RT: 28.22 min Scan# 4277
Delta R.T. -0.01 min
Lab File: BG046385.D
Acq: 20 Aug 2020 19:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.9	9.8	14.8
279	25.8	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 8.923 ng/ul

RT: 29.28 min Scan# 4457

Delta R.T. 0.02 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Instrument :

BNA_G

ClientSampleId :

BFMG4

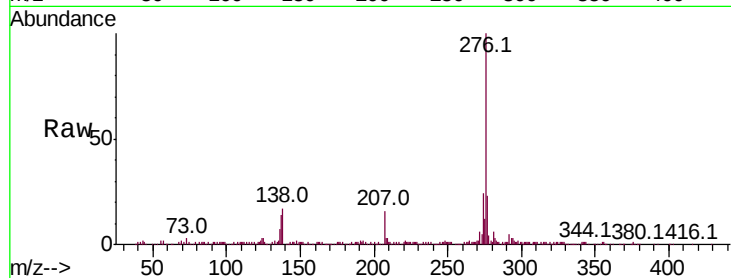
Tot Ion:276 Resp: 310492

Ion Ratio Lower Upper

276 100

138 16.5 12.9 19.3

277 22.9 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

