

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046390.D
 Acq On : 20 Aug 2020 22:38
 Operator : CG/JU
 Sample : L3634-02
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 00:39:41 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	83785	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	348091	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	234503	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	513124	20.00	ng/ul	0.00
18) Chrysene-d12	21.57	240	500873	20.00	ng/ul	0.00
23) Perylene-d12	24.68	264	552652	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.36	165	179652	29.97	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	651853	30.20	ng/ul	0.00
10) Fluorene-d10	15.56	176	495725	29.98	ng/ul	0.00
15) Anthracene-d10	17.41	188	708851	29.80	ng/ul	0.00
19) Pyrene-d10	19.70	212	794847	30.83	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.48	264	919246	30.48	ng/ul	0.03

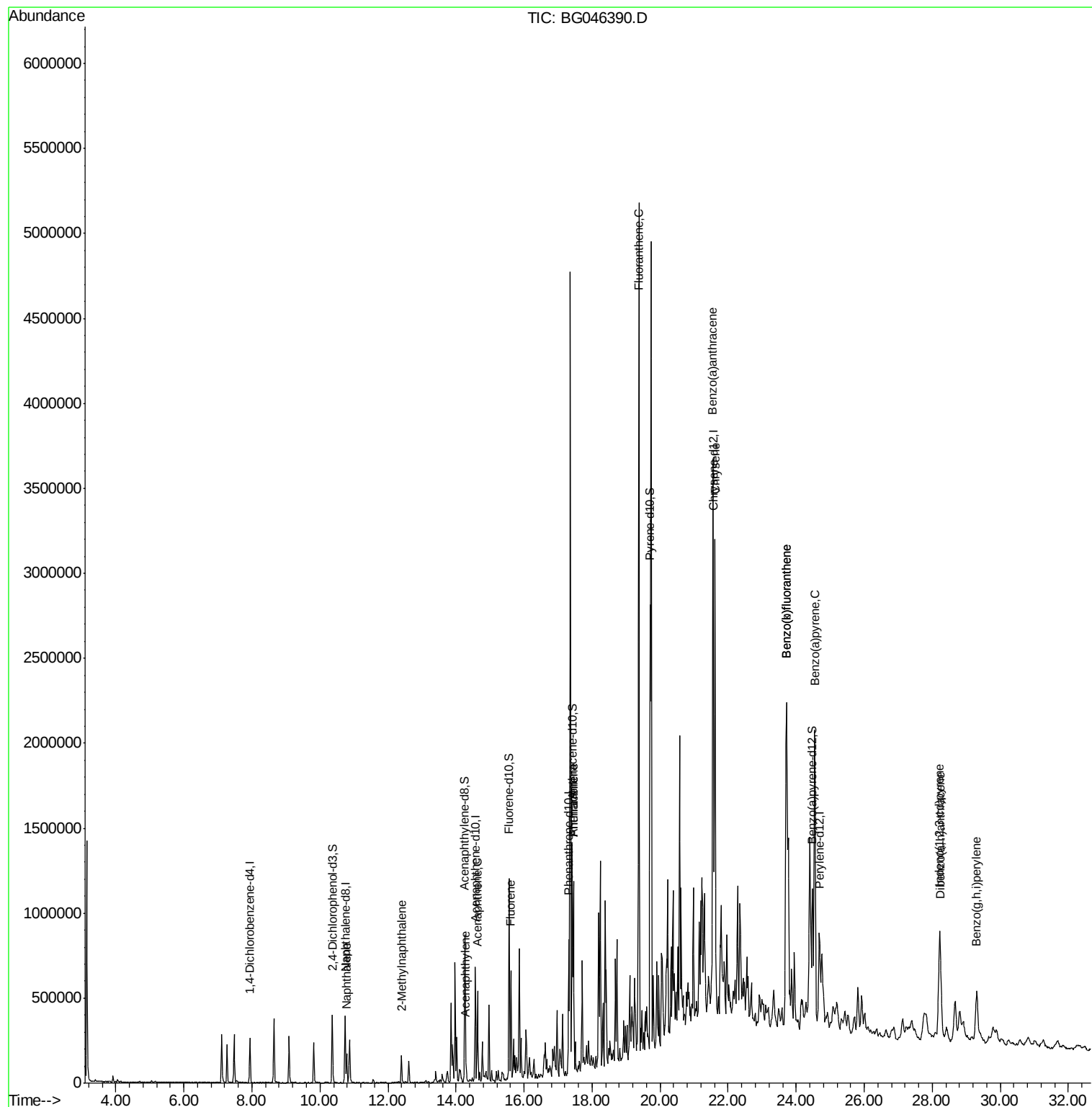
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	10.79	128	144085	7.958	ng/ul	99
5) 2-Methylnaphthalene	12.40	142	79091	5.730	ng/ul	94
8) Acenaphthylene	14.29	152	67917	3.095	ng/ul	96
9) Acenaphthene	14.63	153	234221	14.949	ng/ul	98
11) Fluorene	15.62	166	278284	15.190	ng/ul	96
14) Phenanthrene	17.45	178	760272	26.932	ng/ul	98
16) Anthracene	17.45	178	763392	26.802	ng/ul	97
17) Fluoranthene	19.38	202	3089269	98.145	ng/ul#	89
21) Benzo(a)anthracene	21.55	228	2027582	62.218	ng/ul#	90
22) Chrysene	21.61	228	1877125	59.585	ng/ul#	91
24) Benzo(b)fluoranthene	23.71	252	2500715	68.427	ng/ul	94
25) Benzo(k)fluoranthene	23.71	252	2500715	68.980	ng/ul	95
27) Benzo(a)pyrene	24.55	252	1820422	54.257	ng/ul	94
28) Indeno(1,2,3-cd)pyrene	28.22	276	1098376	26.145	ng/ul	99
29) Dibenzo(a,h)anthracene	28.24	278	197999	5.813	ng/ul	95
30) Benzo(g,h,i)perylene	29.31	276	625790	17.799	ng/ul	99

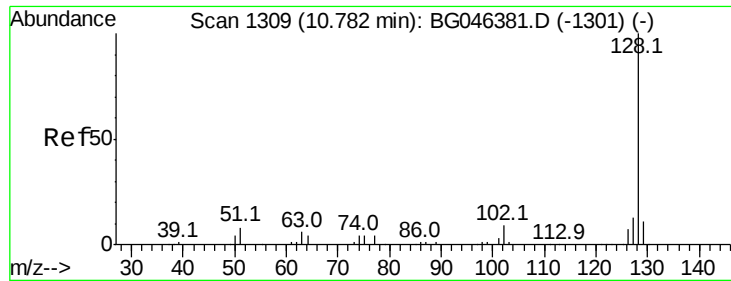
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046390.D
Acq On : 20 Aug 2020 22:38
Operator : CG/JU
Sample : L3634-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 21 00:39:41 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





#4

Naphthalene

Concen: 7.958 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046390.D

Acq: 20 Aug 2020 22:38

Instrument :

BNA_G

ClientSampleId :

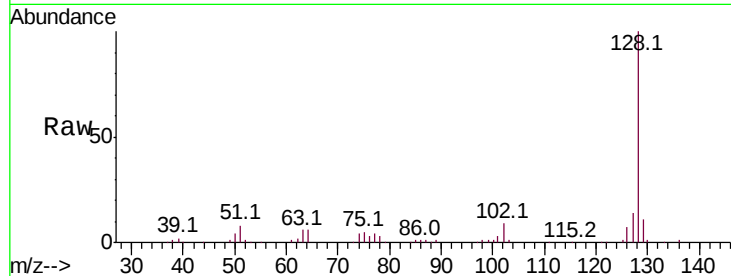
Tot Ion:128 Resp: 144085

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

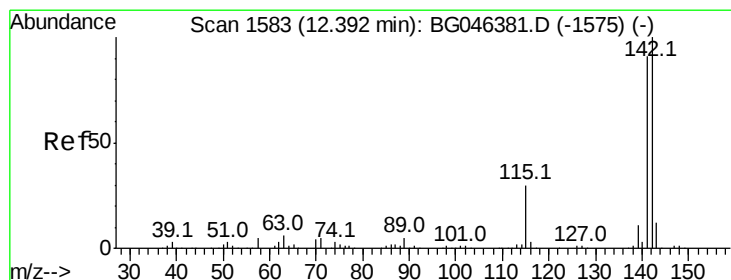
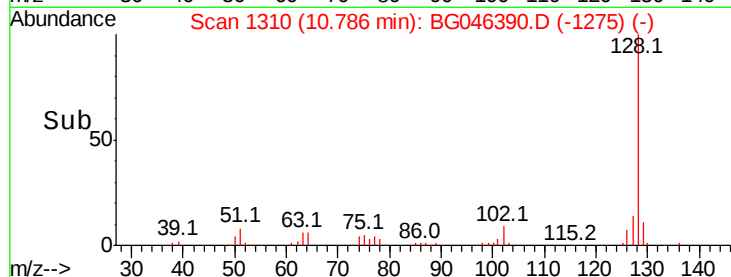
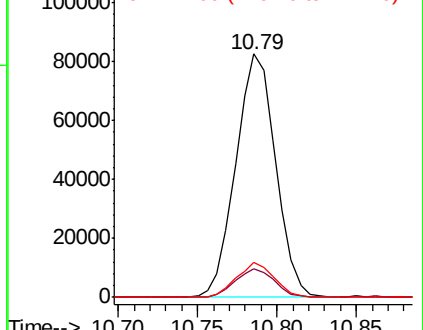
127 14.1 10.9 16.3



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: 5.730 ng/ul

RT: 12.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BG046390.D

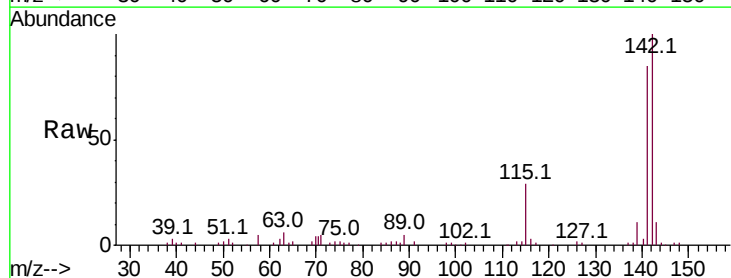
Acq: 20 Aug 2020 22:38

Tgt Ion:142 Resp: 79091

Ion Ratio Lower Upper

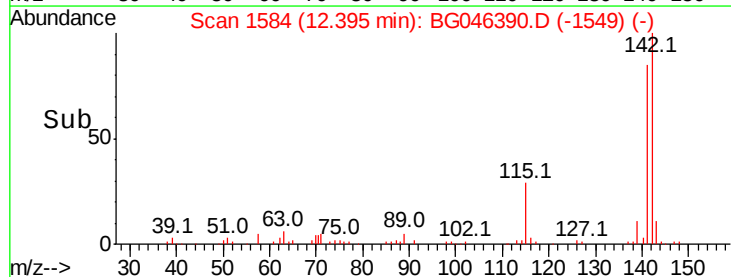
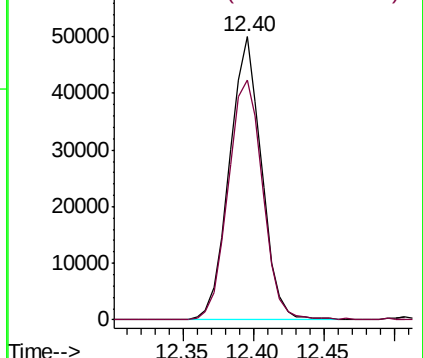
142 100

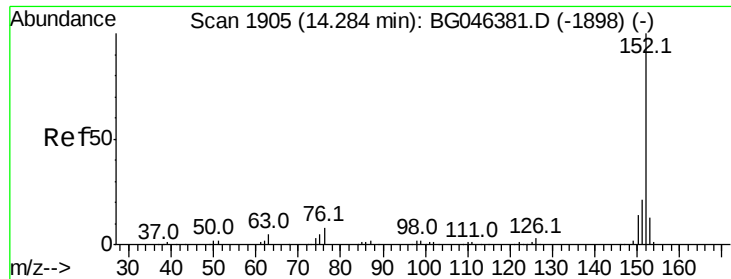
141 84.8 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 3.095 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. 0.01 min

Lab File: BG046390.D

Acq: 20 Aug 2020 22:38

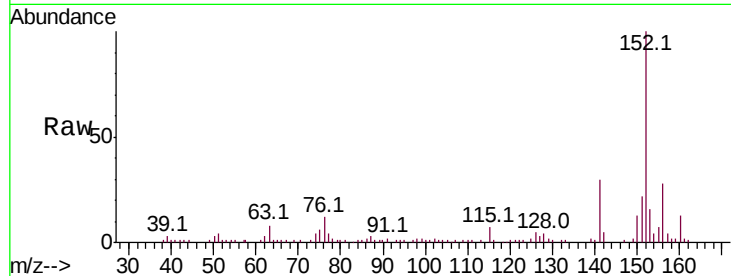
Instrument :

BNA_G

ClientSampleId :

Tot Ion:152 Resp: 67917

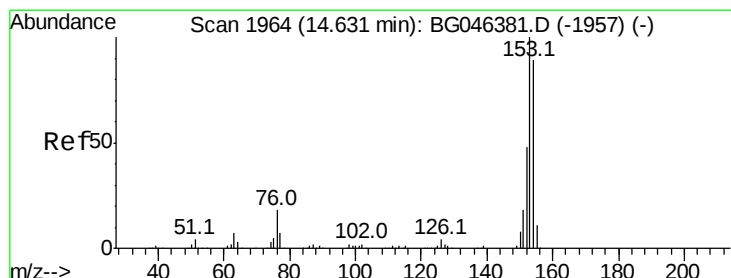
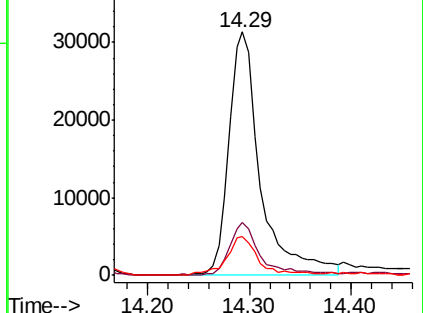
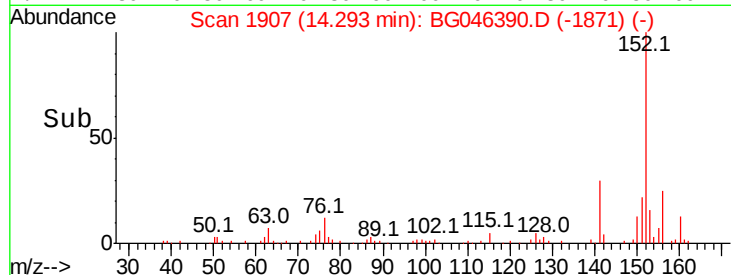
Ion	Ratio	Lower	Upper
152	100		
151	21.9	16.5	24.7
153	16.1	11.0	16.6



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: 14.949 ng/ul

RT: 14.63 min Scan# 1965

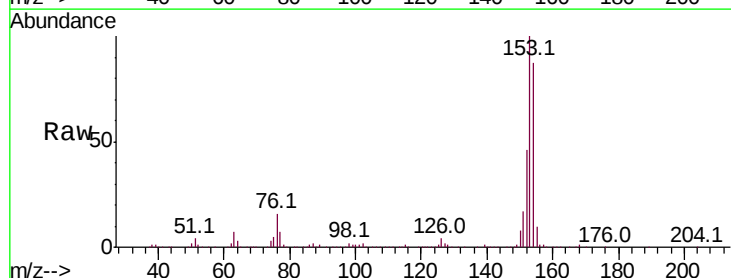
Delta R.T. 0.00 min

Lab File: BG046390.D

Acq: 20 Aug 2020 22:38

Tgt Ion:153 Resp: 234221

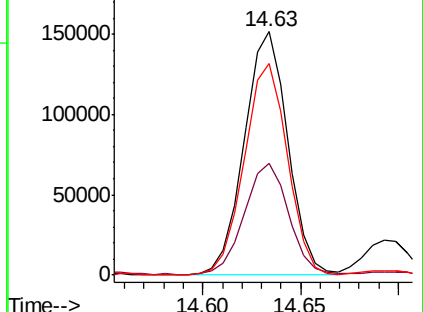
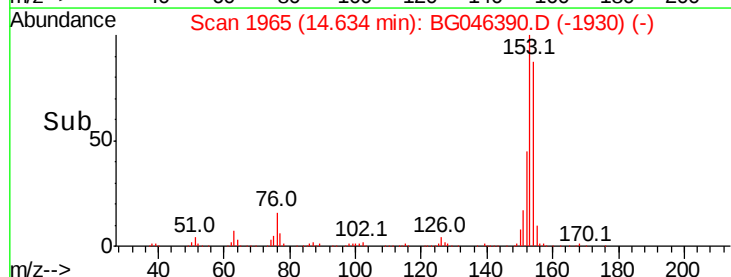
Ion	Ratio	Lower	Upper
153	100		
152	45.8	37.2	55.8
154	86.9	67.8	101.6

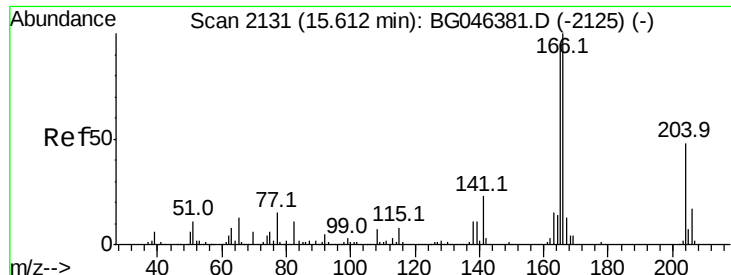


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

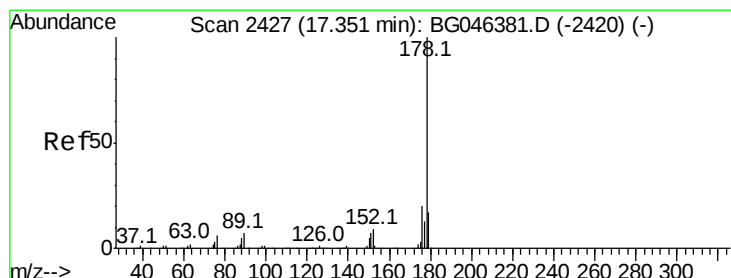
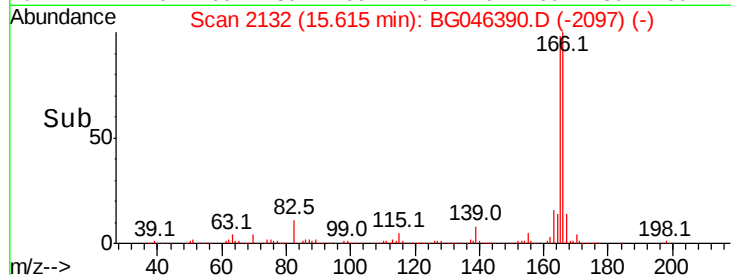
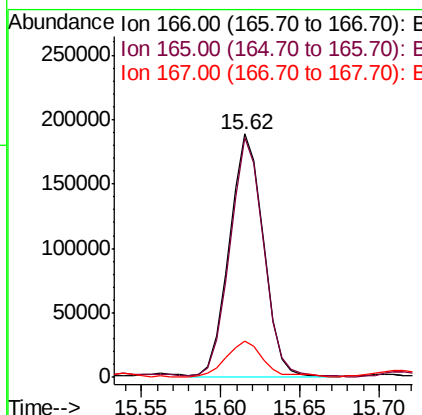
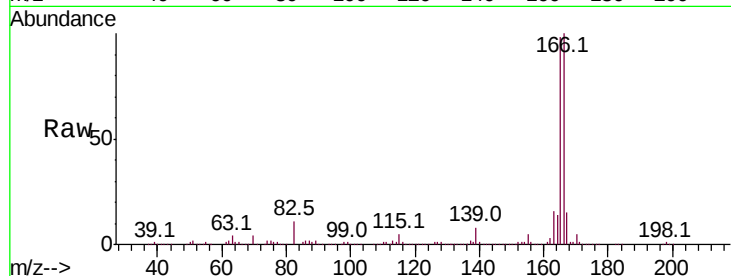




#11
 Fluorene
 Concen: 15.190 ng/ul
 RT: 15.62 min Scan# 2132
 Delta R.T. 0.00 min
 Lab File: BG046390.D
 Acq: 20 Aug 2020 22:38

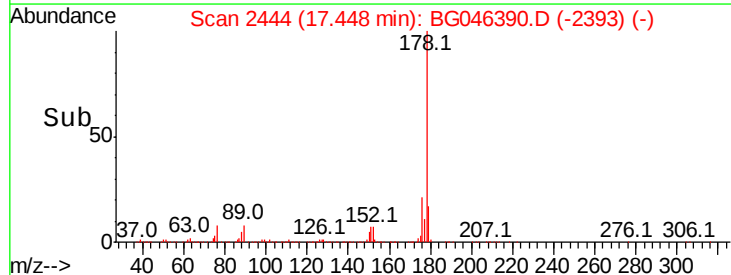
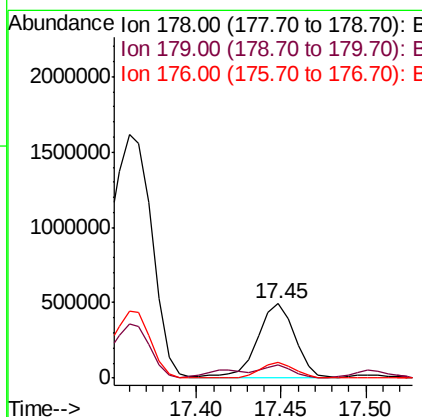
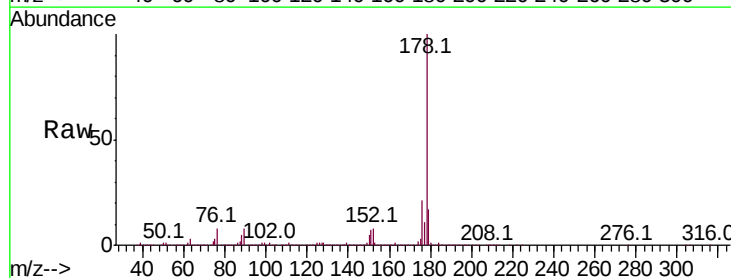
Instrument :
 BNA_G
 ClientSampleId :

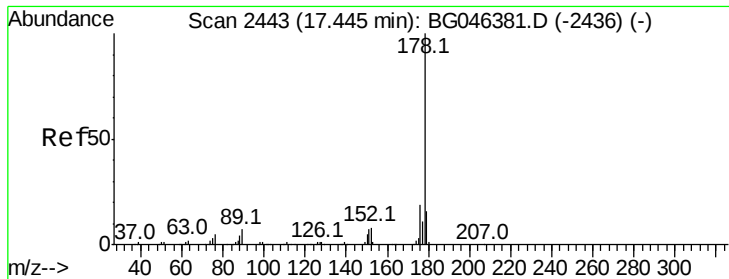
Tot Ion:166 Resp: 278284
 Ion Ratio Lower Upper
 166 100
 165 98.4 75.9 113.9
 167 14.9 10.7 16.1



#14
 Phenanthrene
 Concen: 26.932 ng/ul
 RT: 17.45 min Scan# 2444
 Delta R.T. 0.10 min
 Lab File: BG046390.D
 Acq: 20 Aug 2020 22:38

Tgt Ion:178 Resp: 760272
 Ion Ratio Lower Upper
 178 100
 179 17.2 12.8 19.2
 176 20.6 15.8 23.8

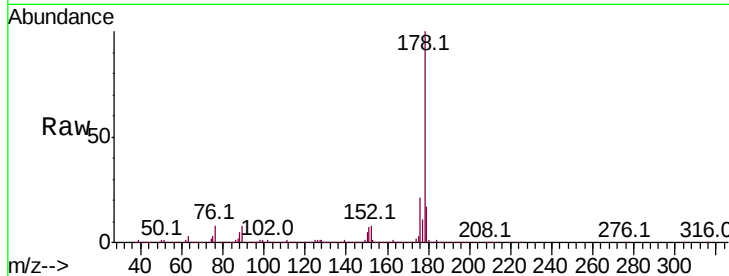




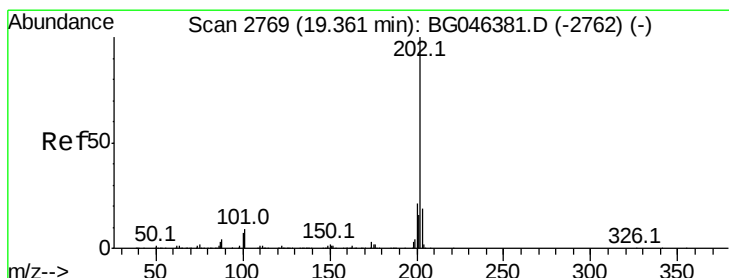
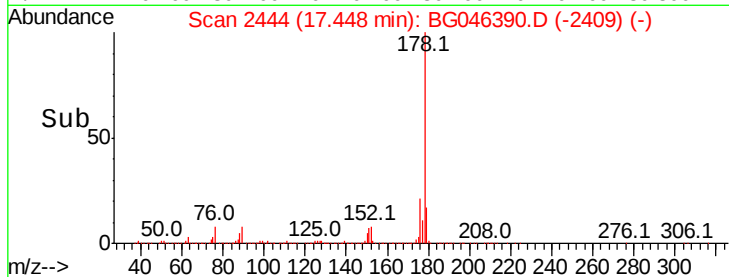
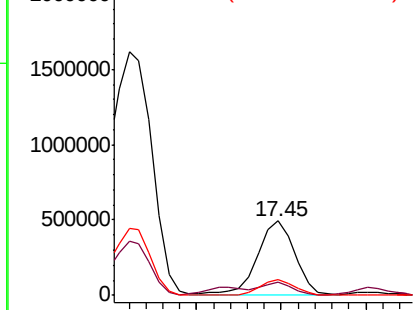
#16
 Anthracene
 Concen: 26.802 ng/ul
 RT: 17.45 min Scan# 2444
 Delta R.T. 0.00 min
 Lab File: BG046390.D
 Acq: 20 Aug 2020 22:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.2	13.2	19.8
176	20.6	15.2	22.8

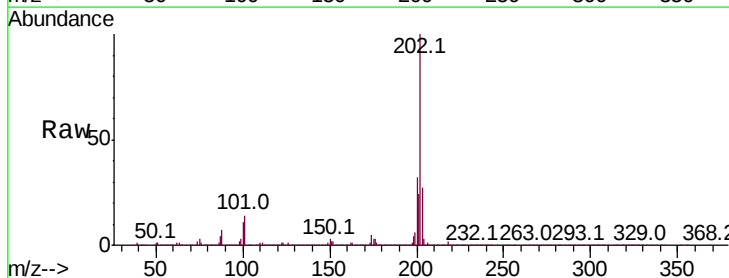


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

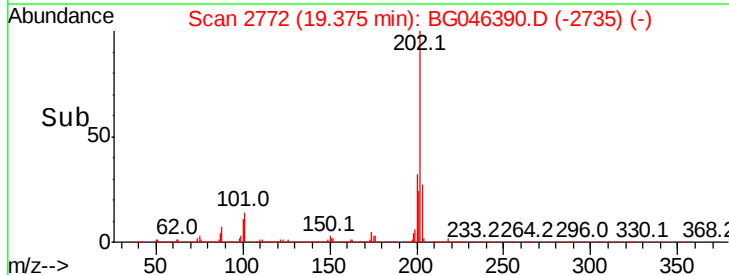
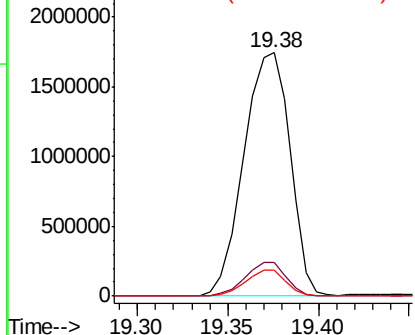


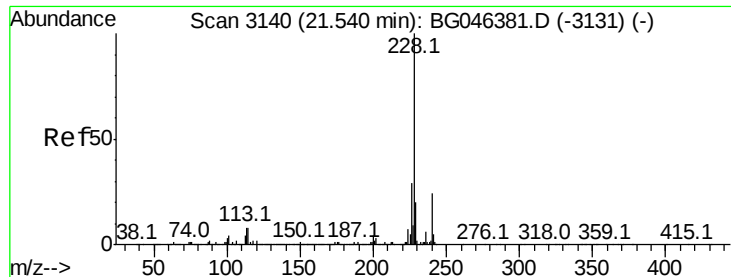
#17
 Fluoranthene
 Concen: 98.145 ng/ul
 RT: 19.38 min Scan# 2772
 Delta R.T. 0.01 min
 Lab File: BG046390.D
 Acq: 20 Aug 2020 22:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	7.8	11.6#
100	10.8	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





#21

Benzo(a)anthracene

Concen: 62.218 ng/ul

RT: 21.55 min Scan# 3142

Delta R.T. 0.01 min

Lab File: BG046390.D

Acq: 20 Aug 2020 22:38

Instrument :

BNA_G

ClientSampleId :

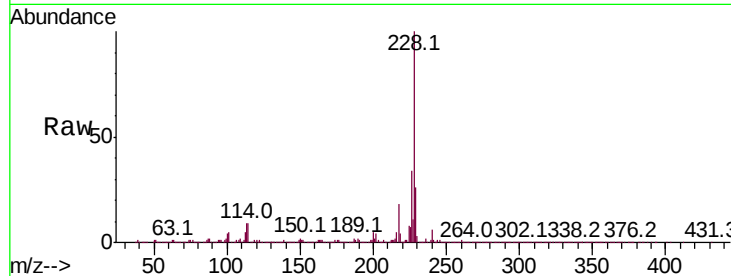
Tot Ion:228 Resp: 2027582

Ion Ratio Lower Upper

228 100

229 25.6 16.6 25.0#

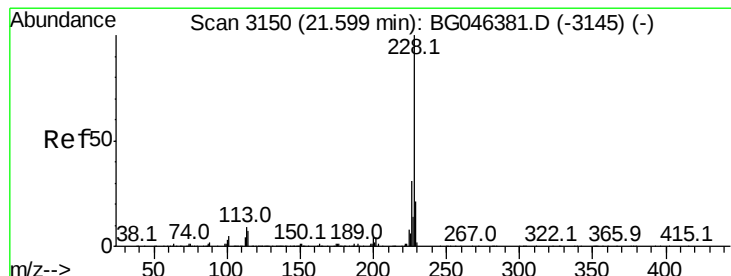
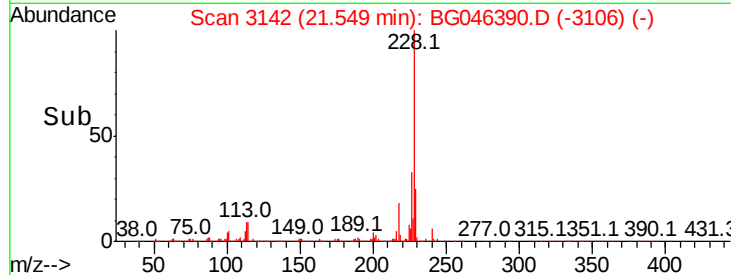
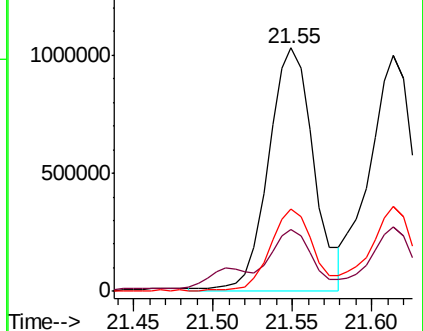
226 33.7 22.6 33.8



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: 59.585 ng/ul

RT: 21.61 min Scan# 3153

Delta R.T. 0.01 min

Lab File: BG046390.D

Acq: 20 Aug 2020 22:38

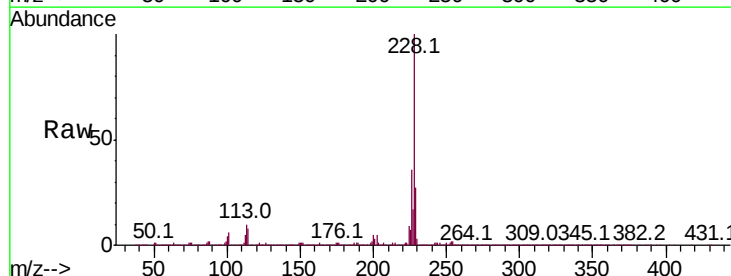
Tgt Ion:228 Resp: 1877125

Ion Ratio Lower Upper

228 100

226 35.7 25.5 38.3

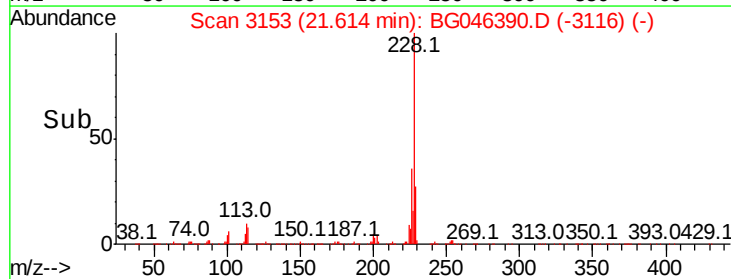
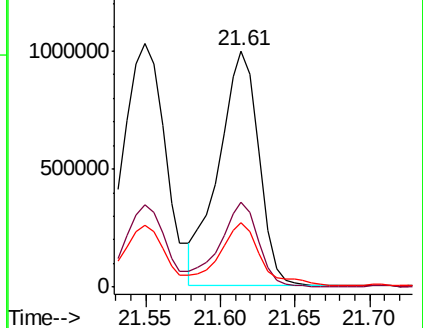
229 27.3 17.0 25.4#

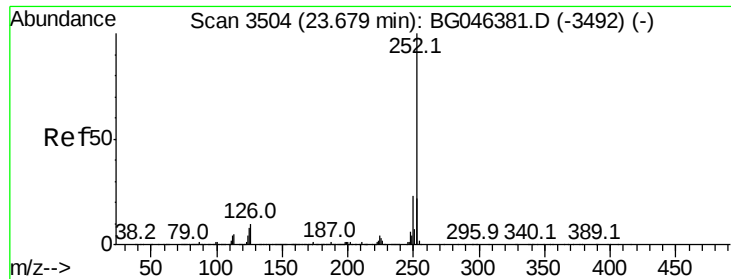


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

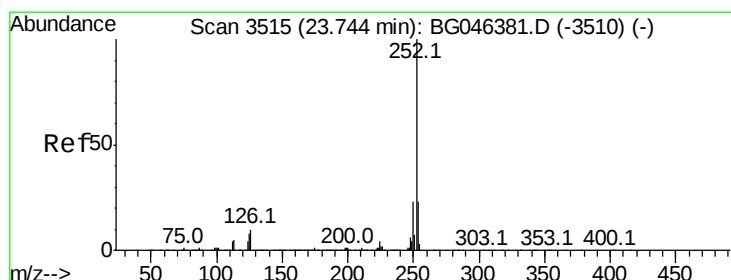
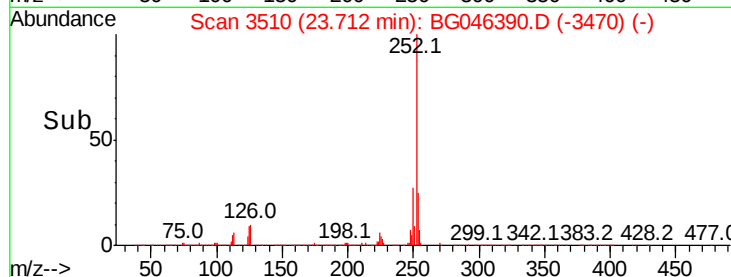
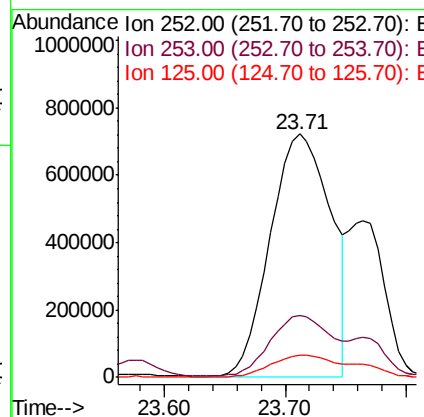
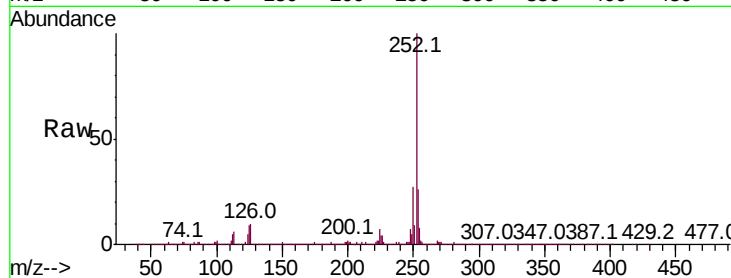




#24
Benzo(b)fluoranthene
Concen: 68.427 ng/ul
RT: 23.71 min Scan# 3510
Delta R.T. 0.03 min
Lab File: BG046390.D
Acq: 20 Aug 2020 22:38

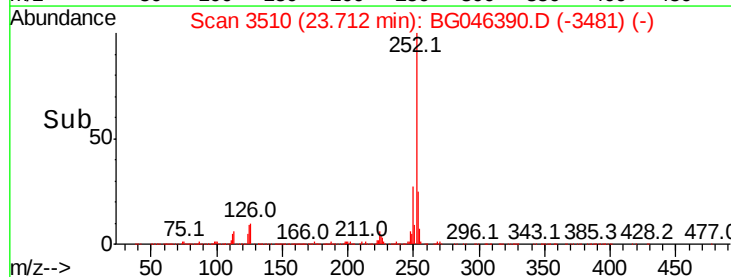
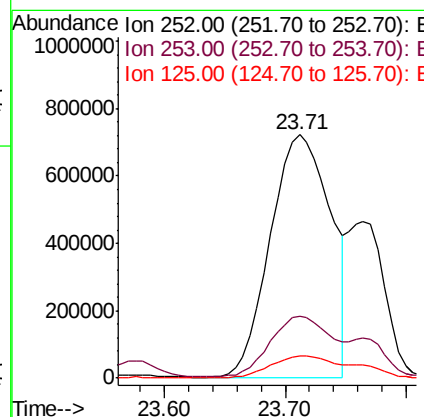
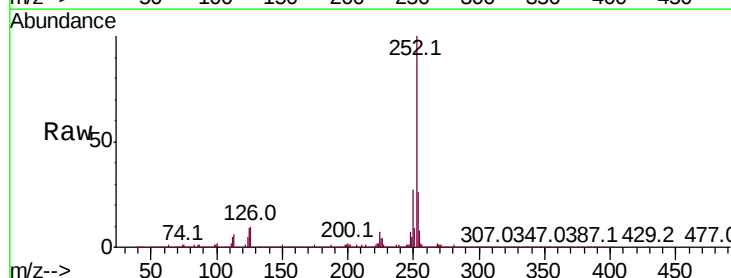
Instrument :
BNA_G
ClientSampled :

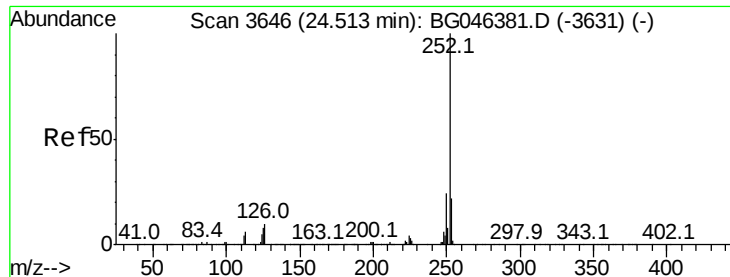
Tot Ion:252 Resp: 2500715
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.6
125 9.0 6.4 9.6



#25
Benzo(k)fluoranthene
Concen: 68.980 ng/ul
RT: 23.71 min Scan# 3510
Delta R.T. -0.03 min
Lab File: BG046390.D
Acq: 20 Aug 2020 22:38

Tgt Ion:252 Resp: 2500715
Ion Ratio Lower Upper
252 100
253 25.6 18.5 27.7
125 9.0 6.2 9.2





#27

Benzo(a)pyrene

Concen: 54.257 ng/ul

RT: 24.55 min Scan# 3652

Delta R.T. 0.03 min

Lab File: BG046390.D

Acq: 20 Aug 2020 22:38

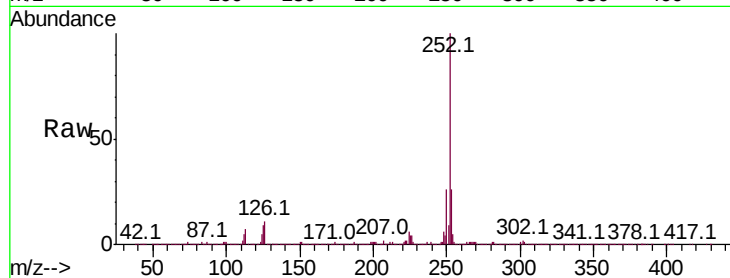
Instrument :

BNA_G

ClientSampled :

Tot Ion:252 Resp: 1820422

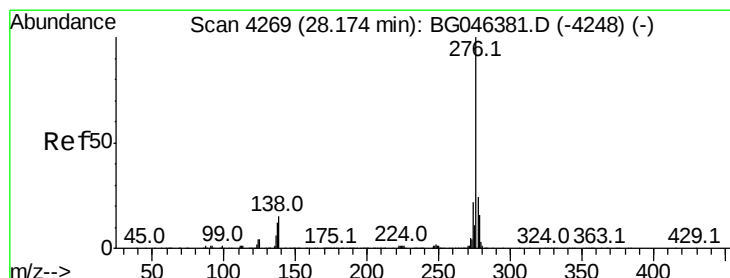
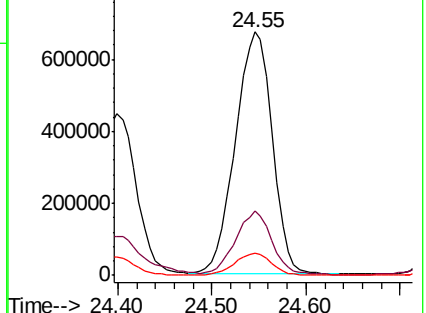
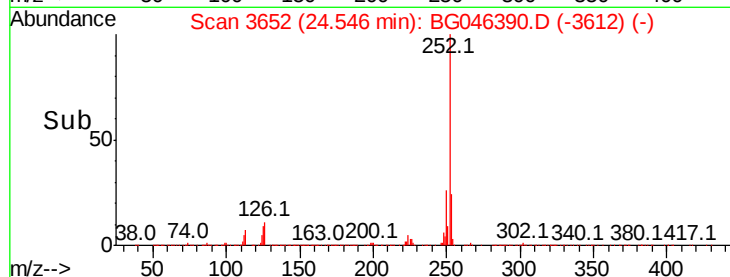
Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.8	26.8
125	9.4	7.1	10.7



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: 26.145 ng/ul

RT: 28.22 min Scan# 4277

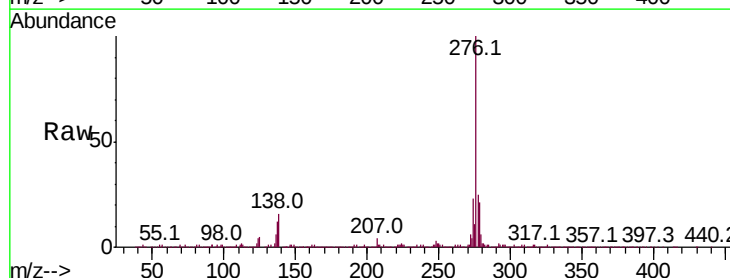
Delta R.T. 0.04 min

Lab File: BG046390.D

Acq: 20 Aug 2020 22:38

Tgt Ion:276 Resp: 1098376

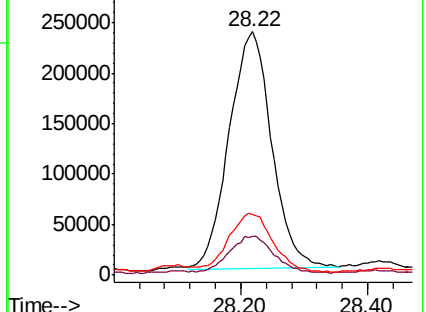
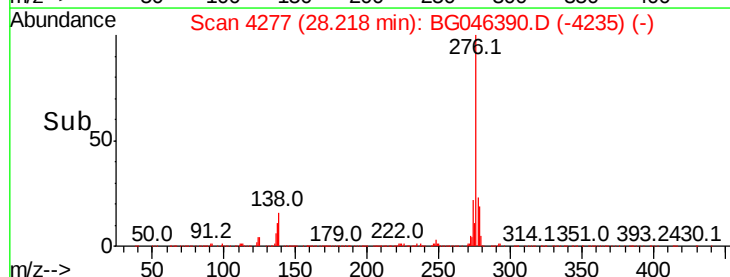
Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.2	19.8
277	25.0	19.9	29.9

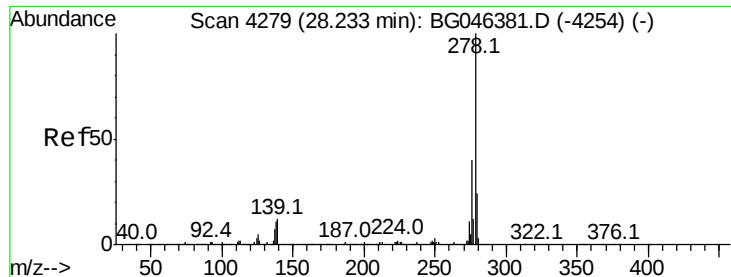


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 5.813 ng/ul

RT: 28.24 min Scan# 4281

Delta R.T. 0.01 min

Lab File: BG046390.D

Acq: 20 Aug 2020 22:38

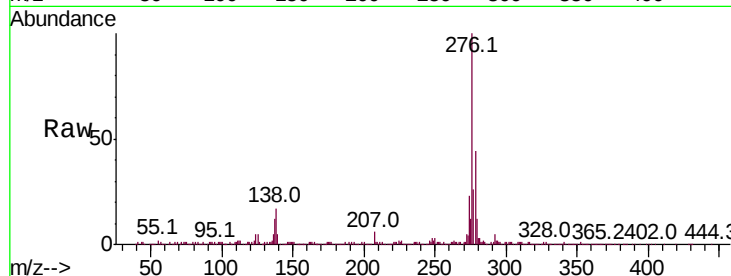
Instrument :

BNA_G

ClientSampleId :

Tot Ion:278 Resp: 197999

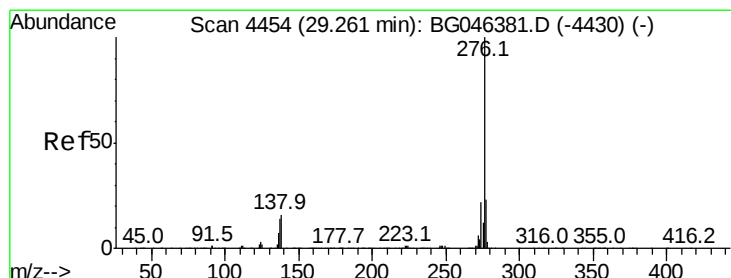
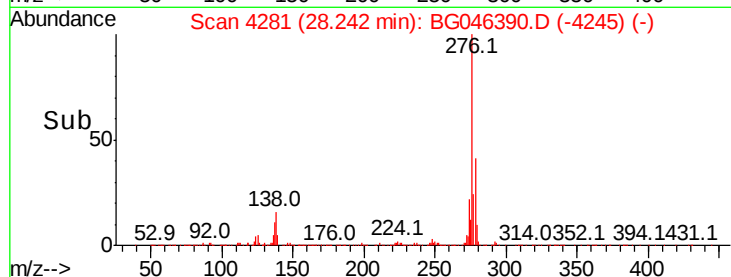
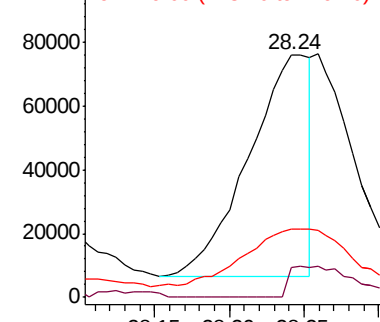
Ion	Ratio	Lower	Upper
278	100		
139	12.4	9.8	14.8
279	28.1	19.7	29.5



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(g,h,i)perylene

Concen: 17.799 ng/ul

RT: 29.31 min Scan# 4463

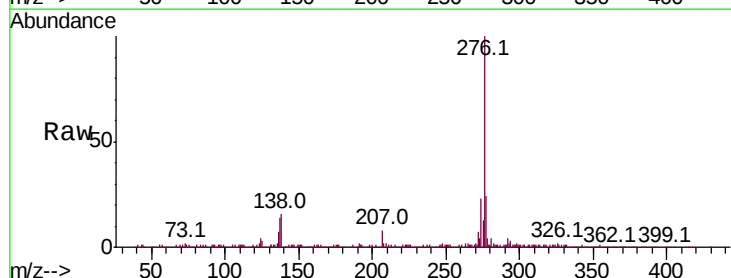
Delta R.T. 0.05 min

Lab File: BG046390.D

Acq: 20 Aug 2020 22:38

Tgt Ion:276 Resp: 625790

Ion	Ratio	Lower	Upper
276	100		
138	16.4	12.9	19.3
277	23.8	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

