

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046440.D
 Acq On : 22 Aug 2020 9:31
 Operator : CG/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 00:53:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 22 05:35:43 2020
 Response via : Initial Calibration

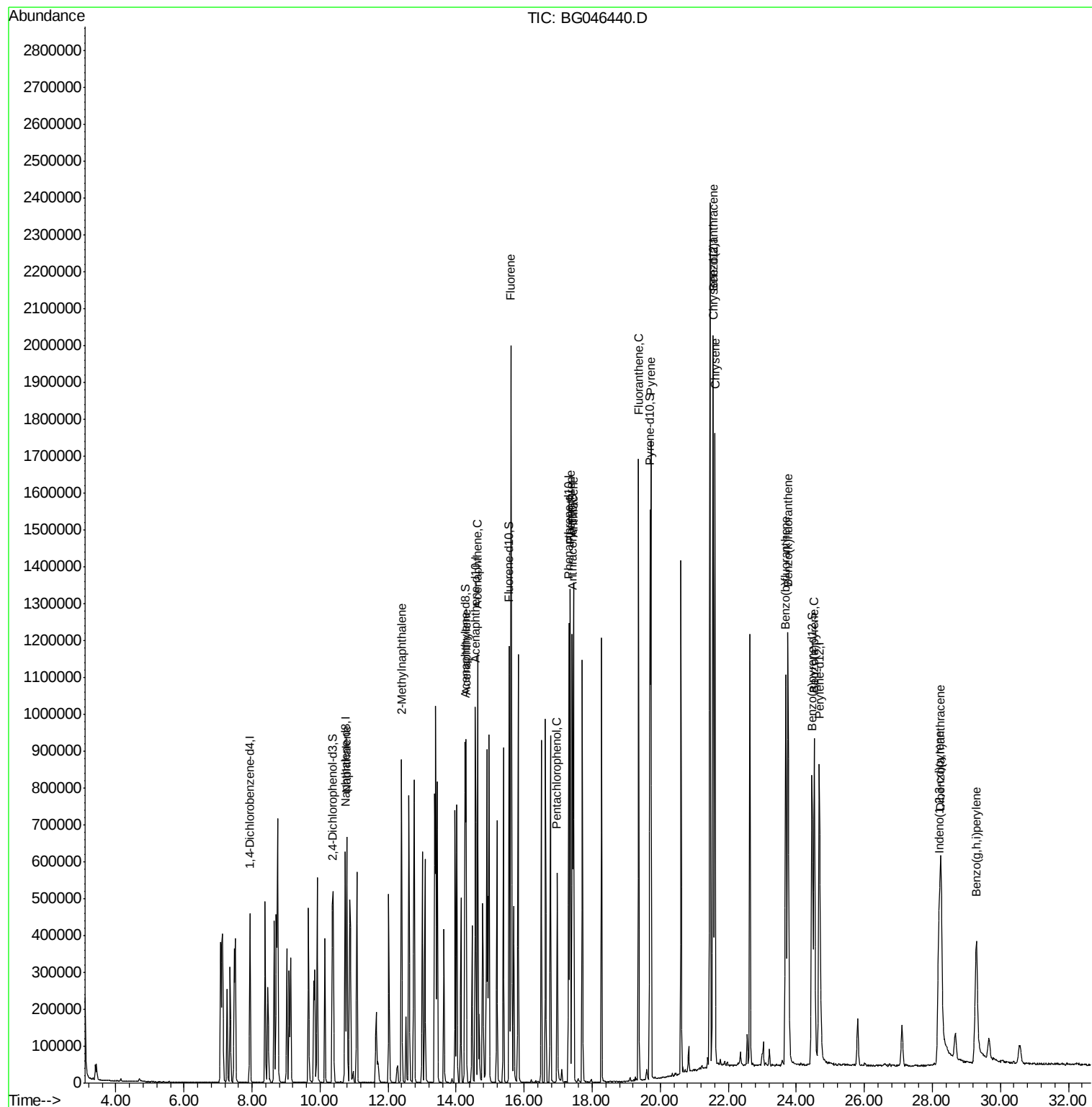
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	140819	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	562293	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	370369	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.32	188	830346	20.00	ng/ul	0.00
18) Chrysene-d12	21.57	240	847509	20.00	ng/ul	0.00
23) Perylene-d12	24.68	264	866207	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	202017	20.87	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	675260	19.81	ng/ul	0.00
10) Fluorene-d10	15.56	176	511461	19.58	ng/ul	0.00
15) Anthracene-d10	17.41	188	749734	19.48	ng/ul	0.00
19) Pyrene-d10	19.70	212	861325	19.74	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	949792	20.09	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.79	128	571712	19.547	ng/ul	99
5) 2-Methylnaphthalene	12.39	142	449000	20.138	ng/ul	100
8) Acenaphthylene	14.29	152	682365	19.691	ng/ul	99
9) Acenaphthene	14.63	153	485246	19.609	ng/ul	96
11) Fluorene	15.62	166	560782	19.381	ng/ul	99
13) Pentachlorophenol	16.97	266	132213	19.252	ng/ul	97
14) Phenanthrene	17.36	178	885007	19.374	ng/ul	99
16) Anthracene	17.45	178	894429	19.406	ng/ul	98
17) Fluoranthene	19.37	202	1090030	21.400	ng/ul	99
20) Pyrene	19.73	202	1063855	19.123	ng/ul	99
21) Benzo(a)anthracene	21.55	228	1091382	19.792	ng/ul	98
22) Chrysene	21.61	228	1050708	19.711	ng/ul	99
24) Benzo(b)fluoranthene	23.69	252	1124550	19.632	ng/ul	98
25) Benzo(k)fluoranthene	23.76	252	1173931	20.660	ng/ul	99
27) Benzo(a)pyrene	24.53	252	999073	18.998	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.20	276	1039875	15.792	ng/ul	99
29) Dibenzo(a,h)anthracene	28.25	278	921923	17.268	ng/ul	99
30) Benzo(g,h,i)perylene	29.30	276	781234	14.177	ng/ul	98

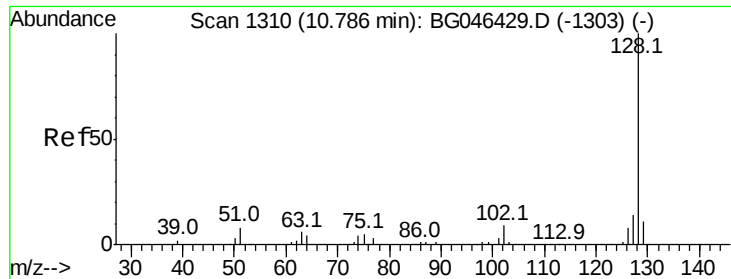
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046440.D
Acq On : 22 Aug 2020 9:31
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 24 00:53:45 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 22 05:35:43 2020
Response via : Initial Calibration





#4

Naphthalene

Concen: 19.547 ng/ul

RT: 10.79 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BG046440.D

Acq: 22 Aug 2020 9:31

Instrument :

BNA_G

ClientSampleId :

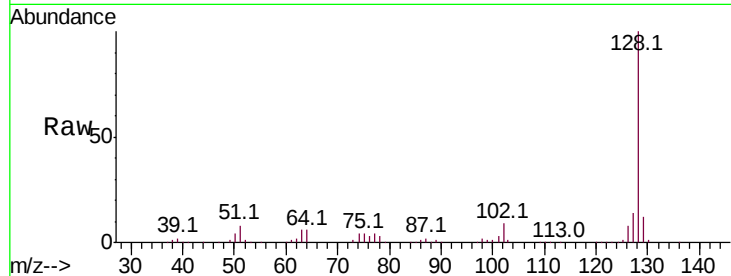
Tot Ion:128 Resp: 571712

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

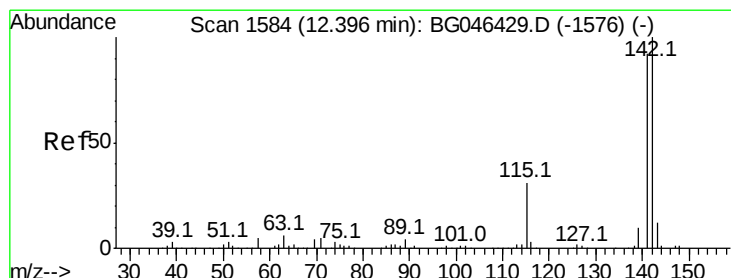
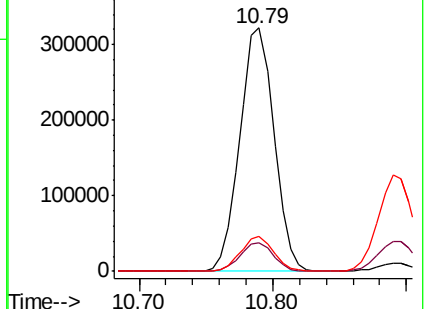
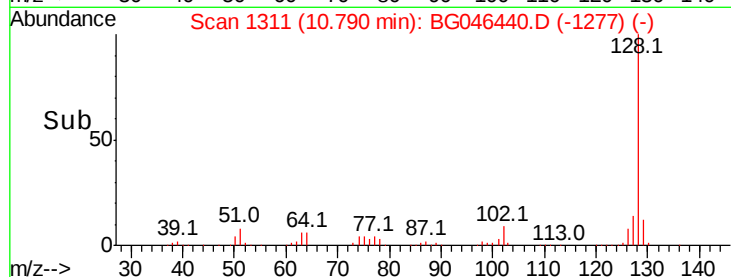
127 14.3 10.9 16.3



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: 20.138 ng/ul

RT: 12.39 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BG046440.D

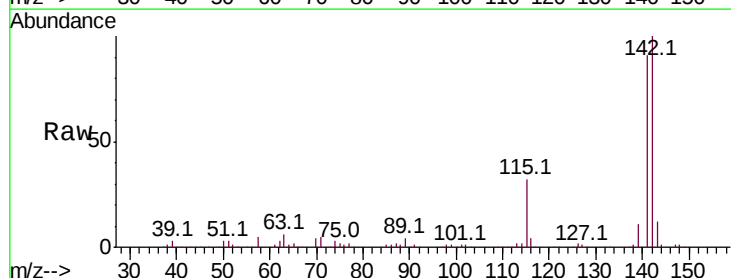
Acq: 22 Aug 2020 9:31

Tgt Ion:142 Resp: 449000

Ion Ratio Lower Upper

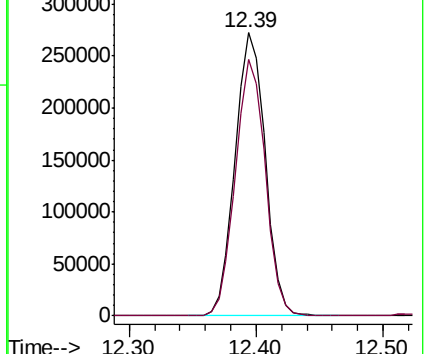
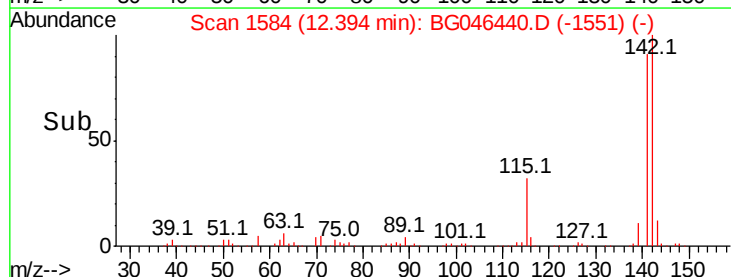
142 100

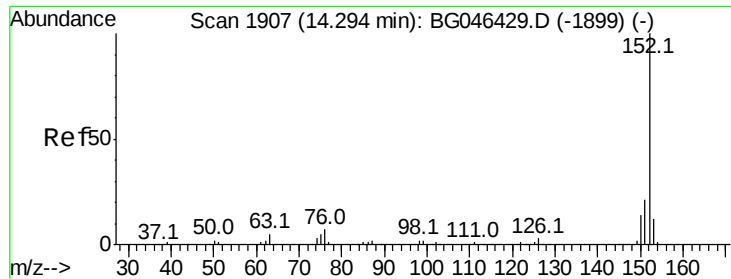
141 90.7 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.691 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BG046440.D

Acq: 22 Aug 2020 9:31

Instrument :

BNA_G

ClientSampleId :

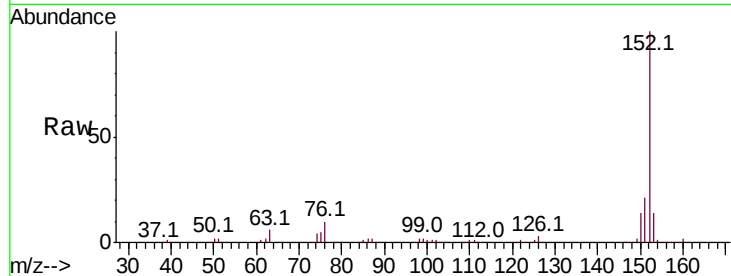
Tot Ion:152 Resp: 682365

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.5	24.7
153	13.9	11.0	16.6

152 100

151 21.3 16.5 24.7

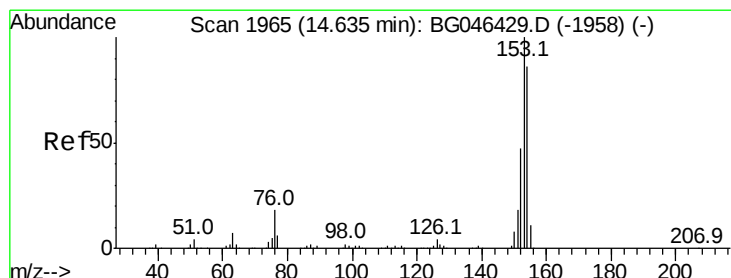
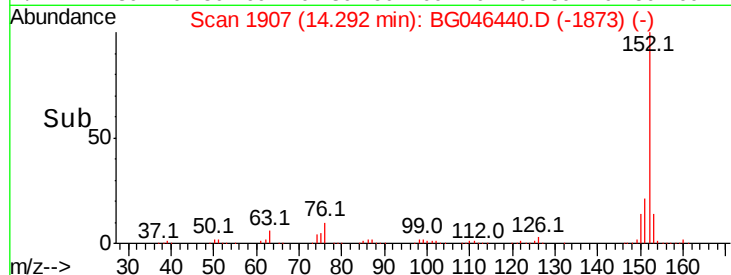
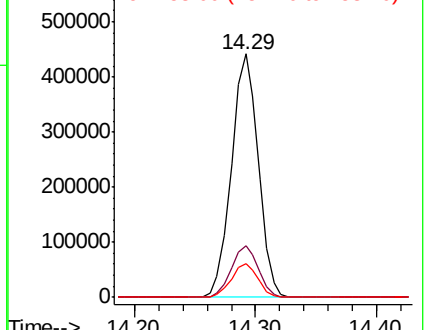
153 13.9 11.0 16.6



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: 19.609 ng/ul

RT: 14.63 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG046440.D

Acq: 22 Aug 2020 9:31

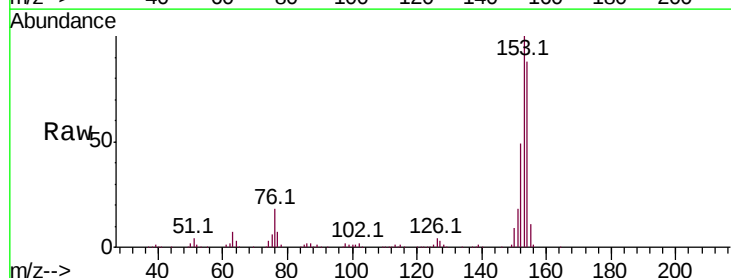
Tgt Ion:153 Resp: 485246

Ion	Ratio	Lower	Upper
153	100		
152	49.0	37.2	55.8
154	88.3	67.8	101.6

153 100

152 49.0 37.2 55.8

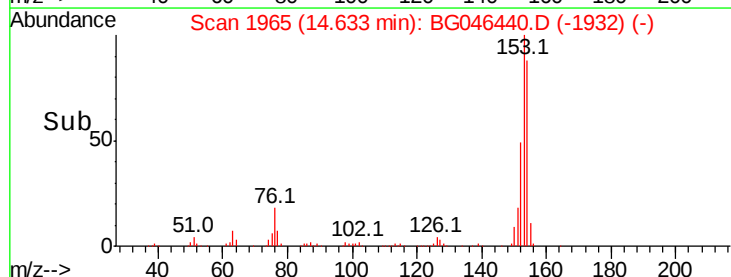
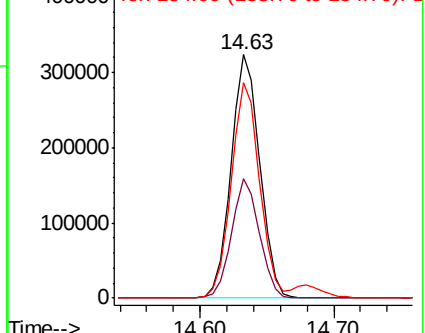
154 88.3 67.8 101.6

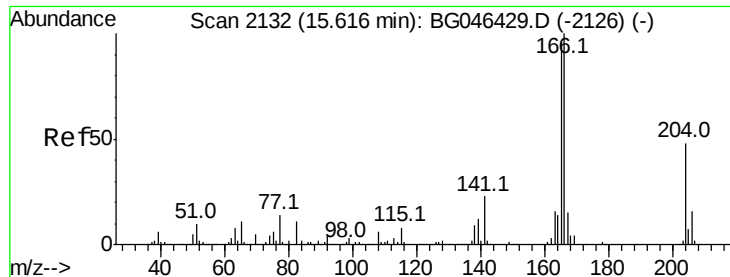


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

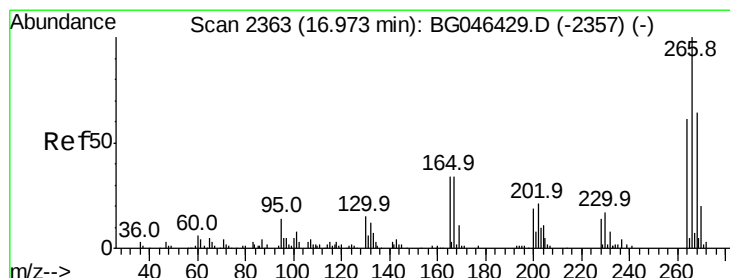
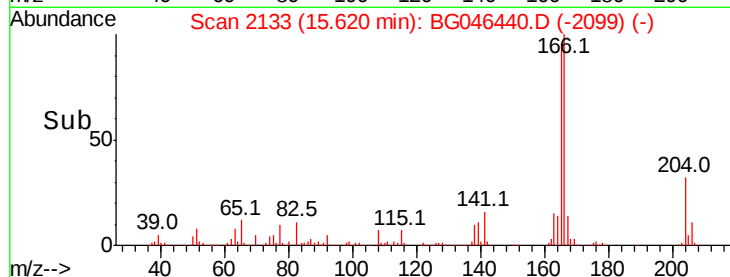
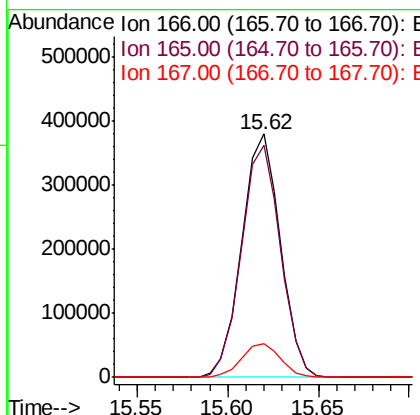
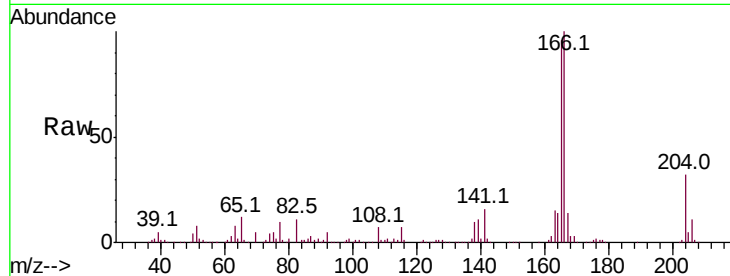




#11
Fluorene
 Concen: 19.381 ng/ul
 RT: 15.62 min Scan# 2133
 Delta R.T. -0.00 min
 Lab File: BG046440.D
 Acq: 22 Aug 2020 9:31

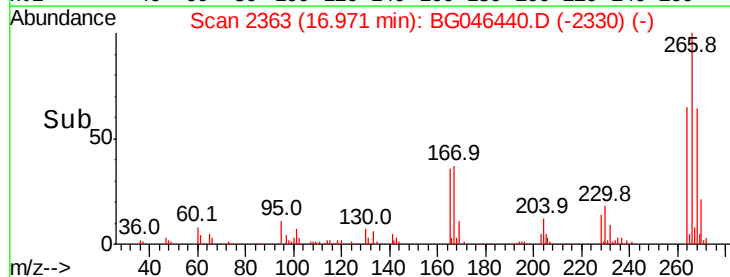
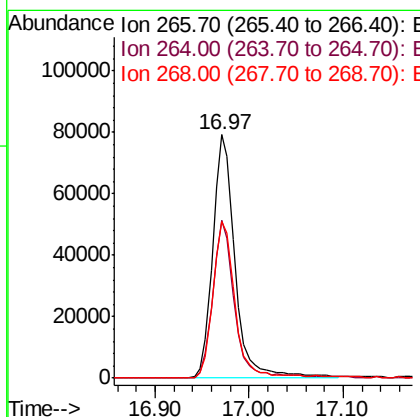
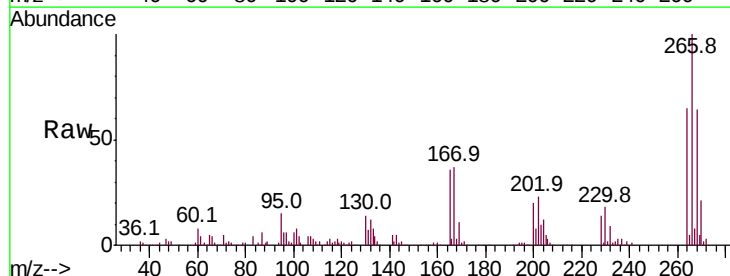
Instrument :
 BNA_G
 ClientSampleId :

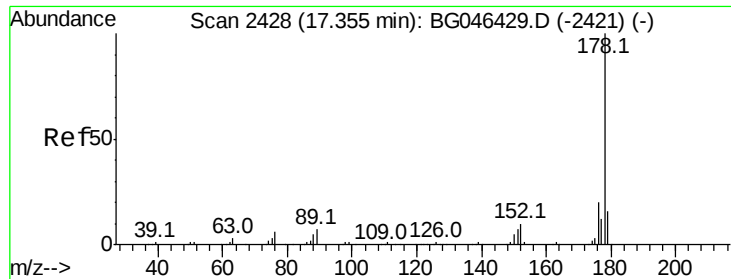
Tot Ion	Ratio	Lower	Upper
166	100		
165	95.6	75.9	113.9
167	13.8	10.7	16.1



#13
Pentachlorophenol
 Concen: 19.252 ng/ul
 RT: 16.97 min Scan# 2363
 Delta R.T. -0.01 min
 Lab File: BG046440.D
 Acq: 22 Aug 2020 9:31

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.0	50.2	75.2
268	64.4	49.7	74.5

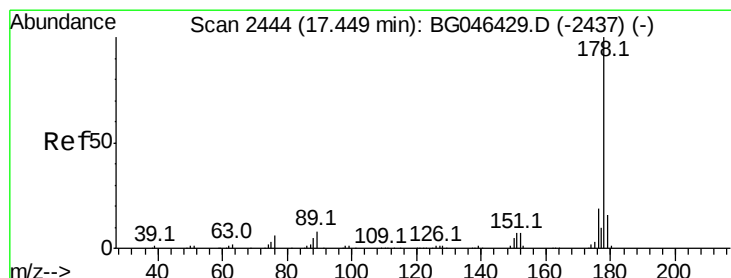
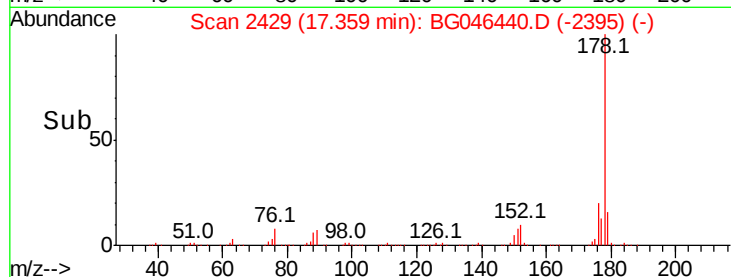
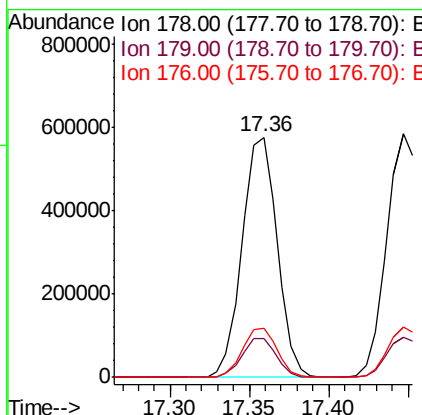
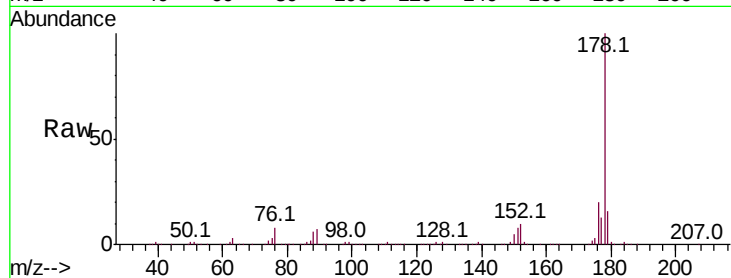




#14
Phenanthrene
Concen: 19.374 ng/ul
RT: 17.36 min Scan# 2429
Delta R.T. -0.00 min
Lab File: BG046440.D
Acq: 22 Aug 2020 9:31

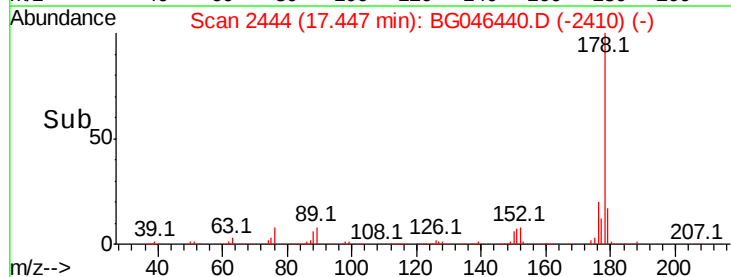
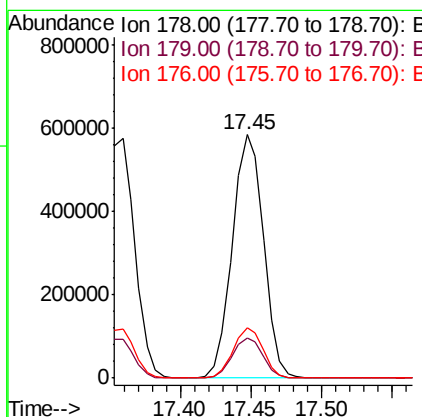
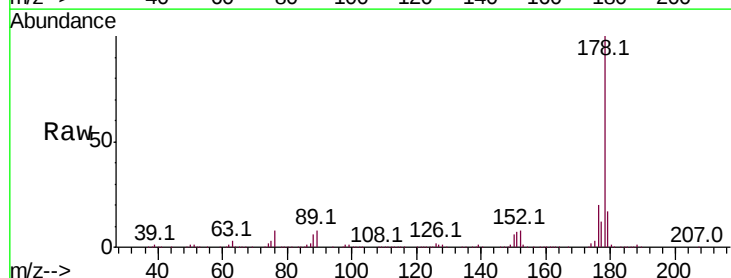
Instrument :
BNA_G
ClientSampleId :

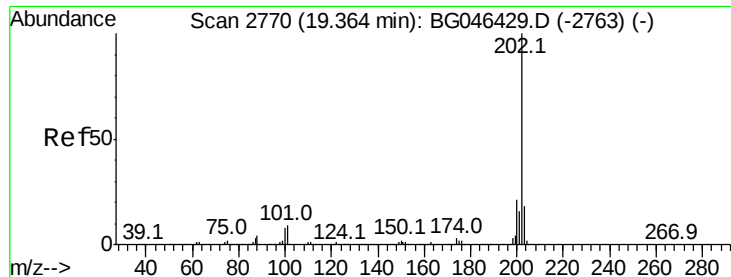
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.8	19.2
176	20.5	15.8	23.8



#16
Anthracene
Concen: 19.406 ng/ul
RT: 17.45 min Scan# 2444
Delta R.T. -0.00 min
Lab File: BG046440.D
Acq: 22 Aug 2020 9:31

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	13.2	19.8
176	20.4	15.2	22.8



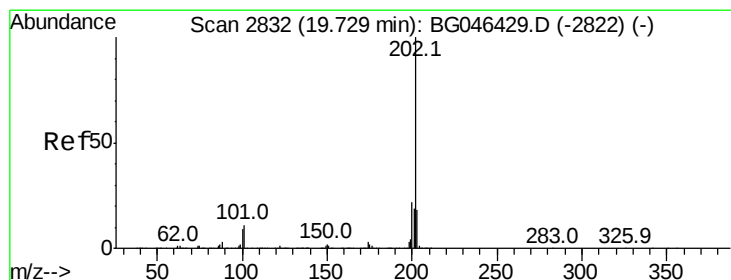
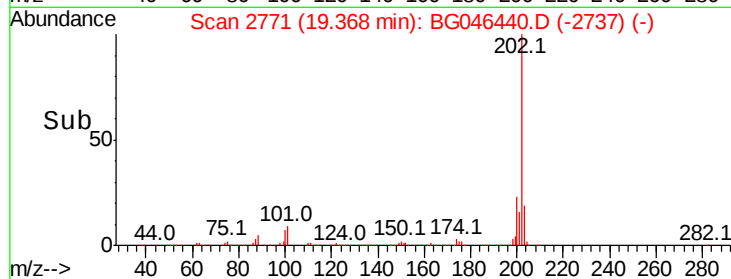
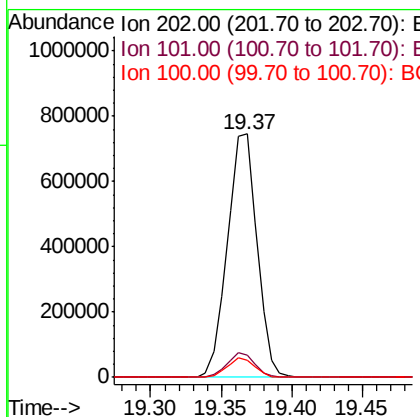
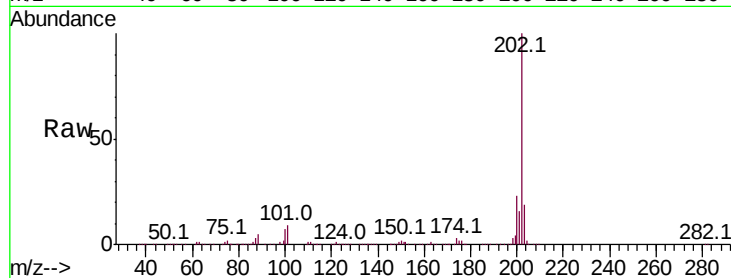


#17
Fluoranthene
 Concen: 21.400 ng/ul
 RT: 19.37 min Scan# 2771
 Delta R.T. -0.00 min
 Lab File: BG046440.D
 Acq: 22 Aug 2020 9:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:202 Resp: 1090030

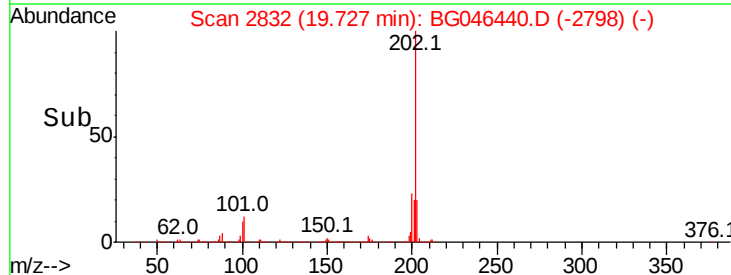
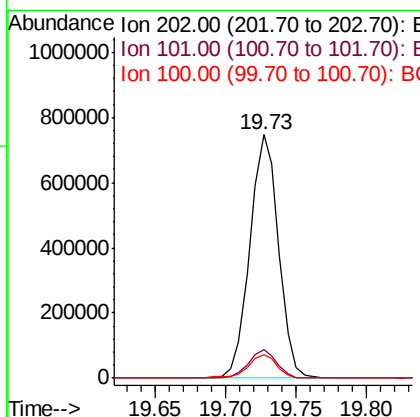
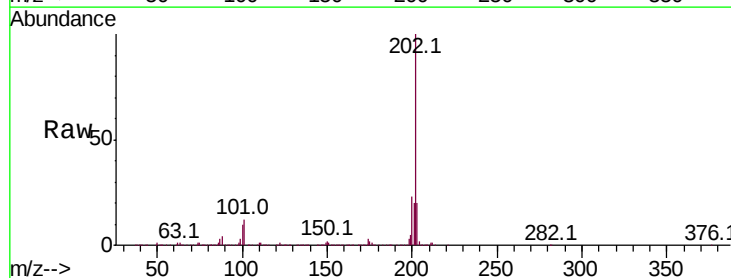
Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.8	11.6
100	6.9	5.9	8.9

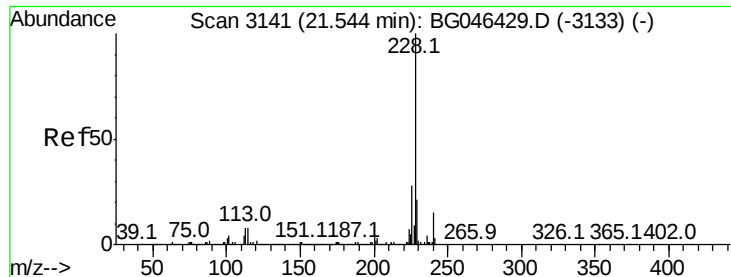


#20
Pyrene
 Concen: 19.123 ng/ul
 RT: 19.73 min Scan# 2832
 Delta R.T. -0.00 min
 Lab File: BG046440.D
 Acq: 22 Aug 2020 9:31

Tgt Ion:202 Resp: 1063855

Ion	Ratio	Lower	Upper
202	100		
101	11.8	8.9	13.3
100	9.6	7.9	11.9





#21

Benzo(a)anthracene

Concen: 19.792 ng/ul

RT: 21.55 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG046440.D

Acq: 22 Aug 2020 9:31

Instrument :

BNA_G

ClientSampleId :

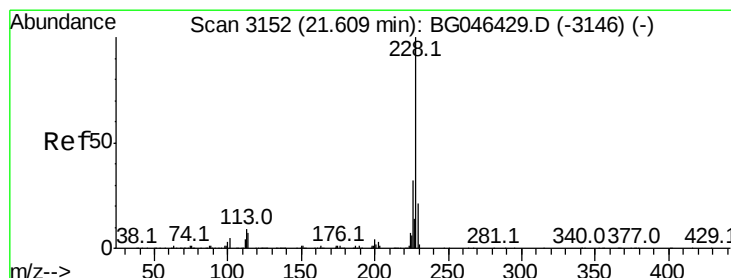
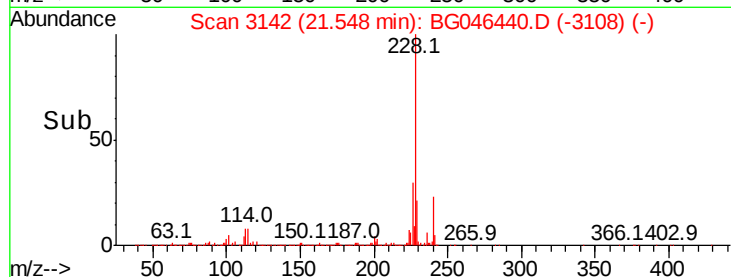
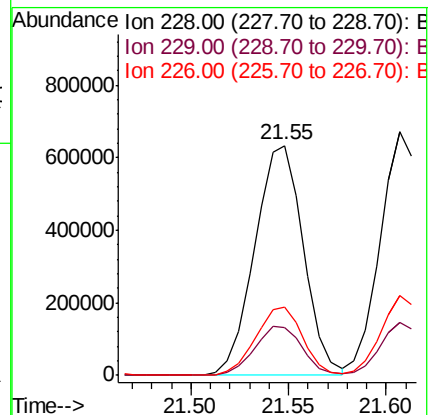
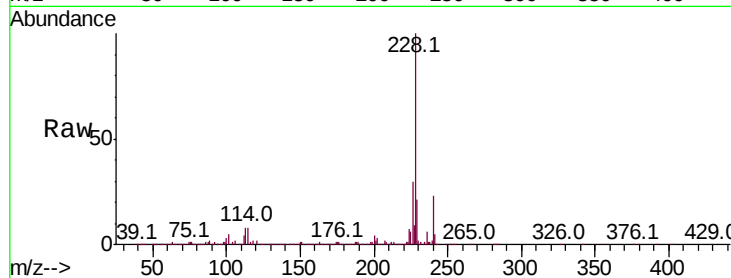
Tot Ion:228 Resp: 1091382

Ion	Ratio	Lower	Upper
228	100		
229	21.0	16.6	25.0
226	30.0	22.6	33.8

228 100

229 21.0 16.6 25.0

226 30.0 22.6 33.8



#22

Chrysene

Concen: 19.711 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG046440.D

Acq: 22 Aug 2020 9:31

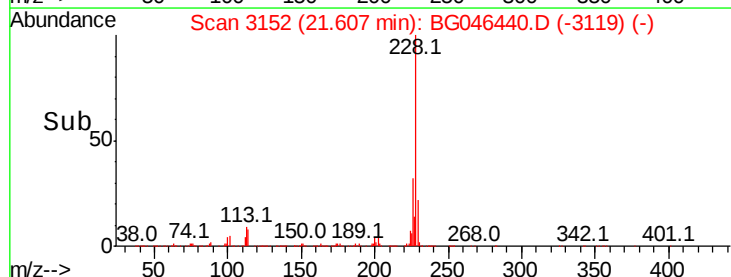
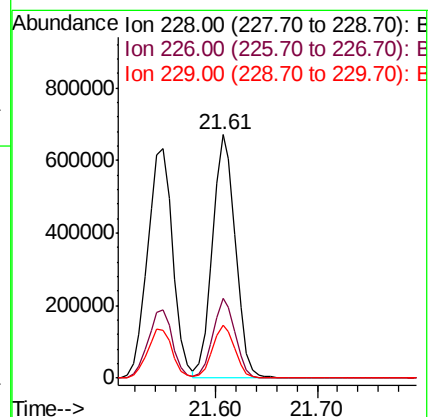
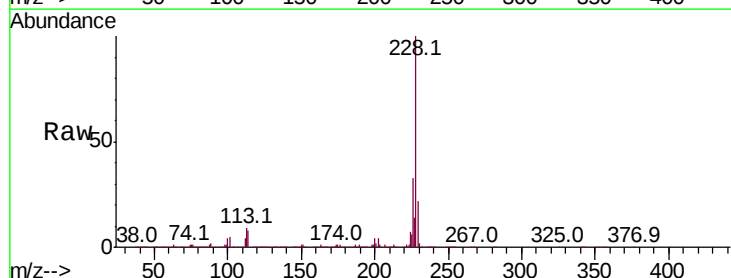
Tgt Ion:228 Resp: 1050708

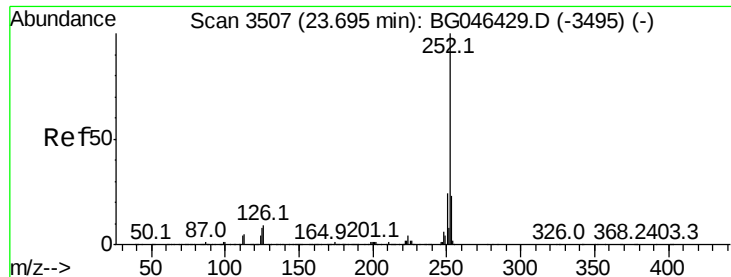
Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.5	38.3
229	21.8	17.0	25.4

228 100

226 32.5 25.5 38.3

229 21.8 17.0 25.4

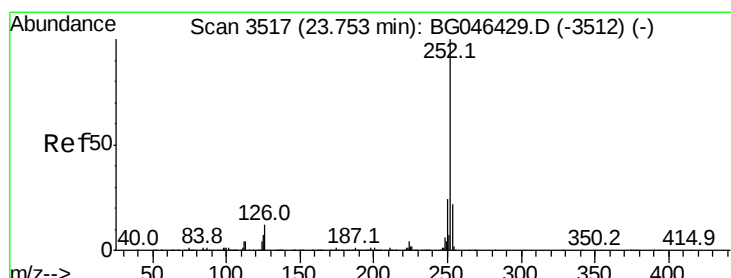
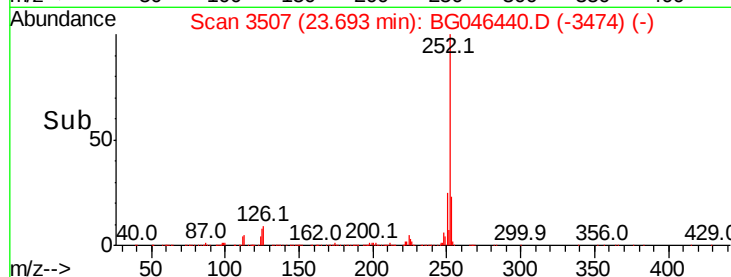
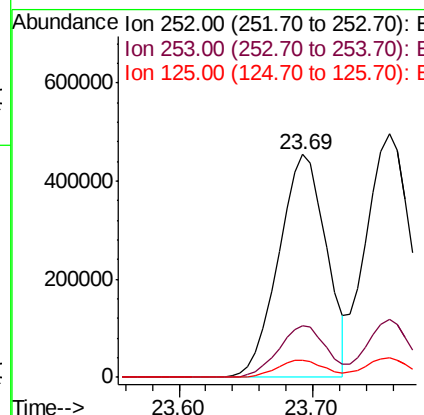
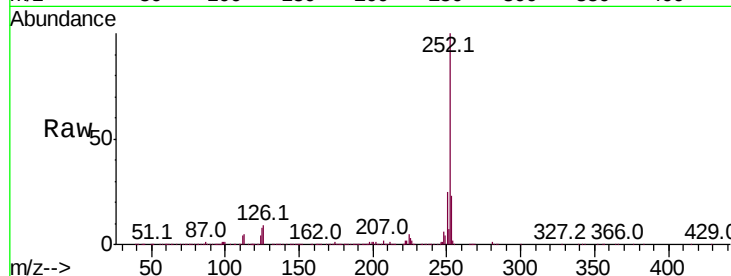




#24
Benzo(b)fluoranthene
Concen: 19.632 ng/ul
RT: 23.69 min Scan# 3507
Delta R.T. -0.01 min
Lab File: BG046440.D
Acq: 22 Aug 2020 9:31

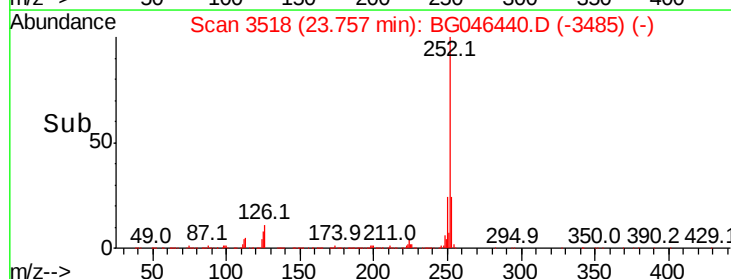
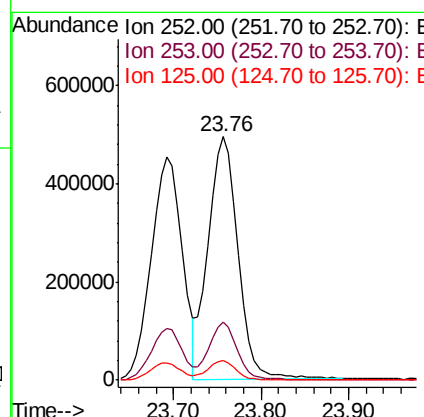
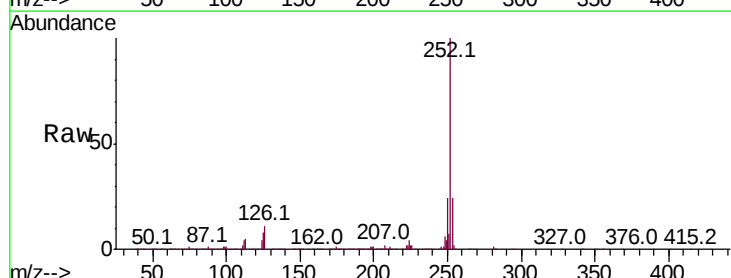
Instrument :
BNA_G
ClientSampleId :

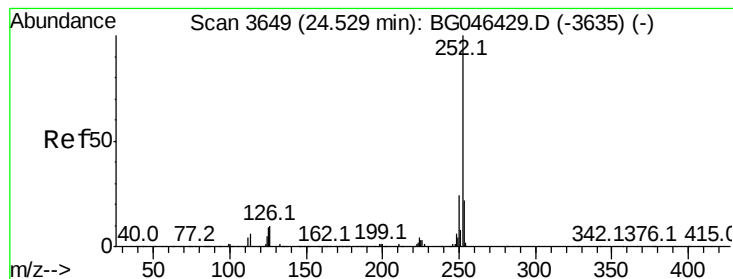
Tot Ion:252 Resp: 1124550
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 7.9 6.4 9.6



#25
Benzo(k)fluoranthene
Concen: 20.660 ng/ul
RT: 23.76 min Scan# 3518
Delta R.T. -0.01 min
Lab File: BG046440.D
Acq: 22 Aug 2020 9:31

Tgt Ion:252 Resp: 1173931
Ion Ratio Lower Upper
252 100
253 23.7 18.5 27.7
125 8.2 6.2 9.2





#27

Benzo(a)pyrene

Concen: 18.998 ng/u1

RT: 24.53 min Scan# 3650

Delta R.T. -0.01 min

Lab File: BG046440.D

Acq: 22 Aug 2020 9:31

Instrument :

BNA_G

ClientSampled :

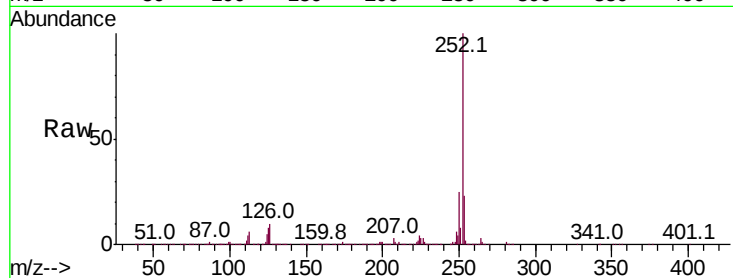
Tot Ion:252 Resp: 999073

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

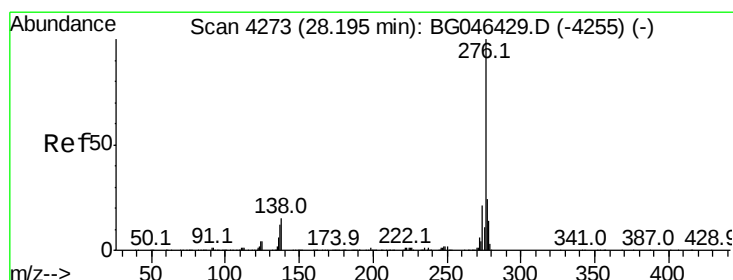
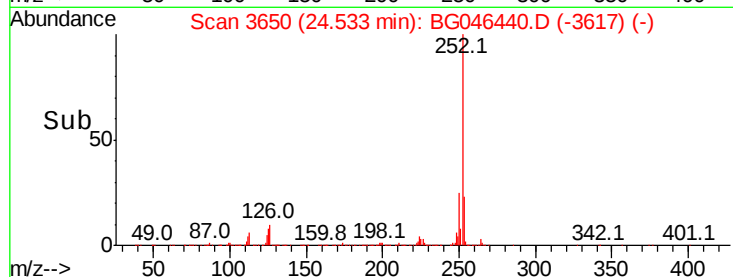
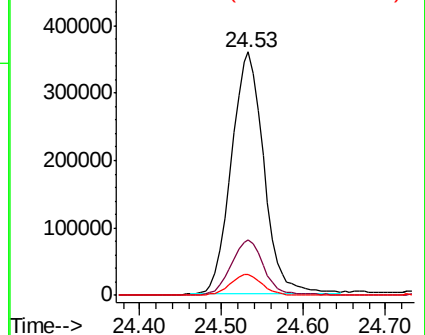
125 8.4 7.1 10.7



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: 15.792 ng/u1

RT: 28.20 min Scan# 4274

Delta R.T. -0.01 min

Lab File: BG046440.D

Acq: 22 Aug 2020 9:31

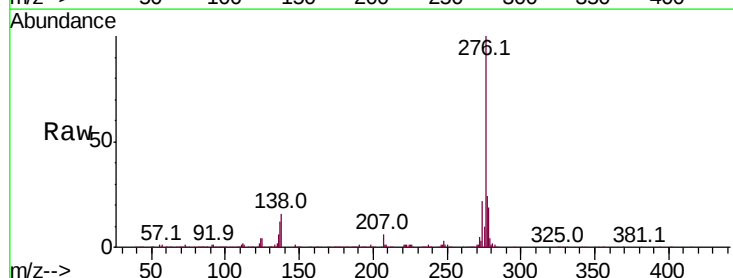
Tgt Ion:276 Resp: 1039875

Ion Ratio Lower Upper

276 100

138 16.1 13.2 19.8

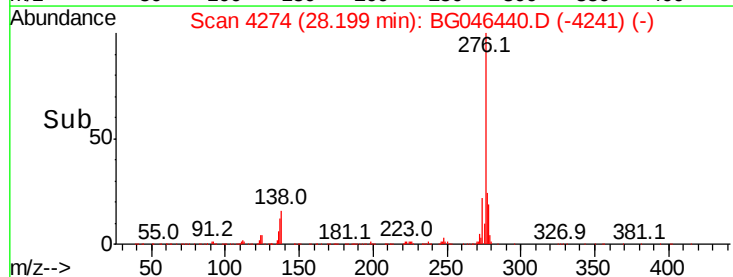
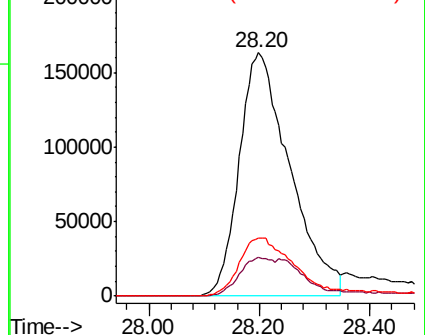
277 24.1 19.9 29.9

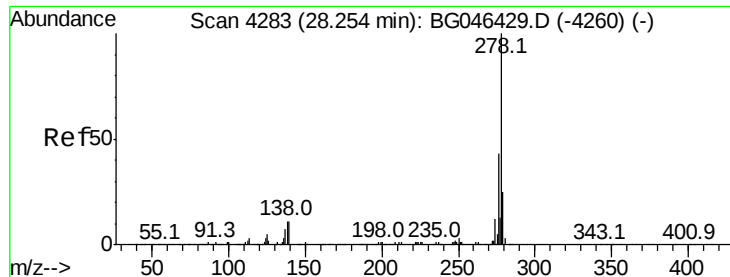


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 17.268 ng/ul

RT: 28.25 min Scan# 4283

Delta R.T. -0.01 min

Lab File: BG046440.D

Acq: 22 Aug 2020 9:31

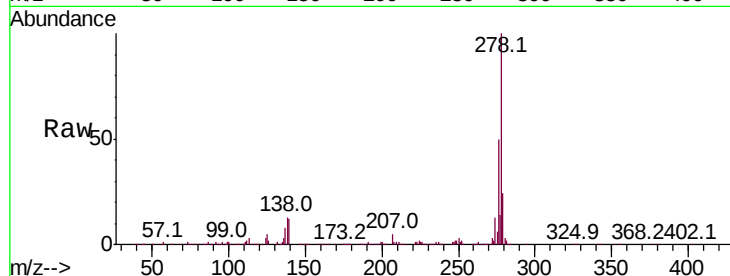
Instrument :

BNA_G

ClientSampleId :

Tot Ion:278 Resp: 921923

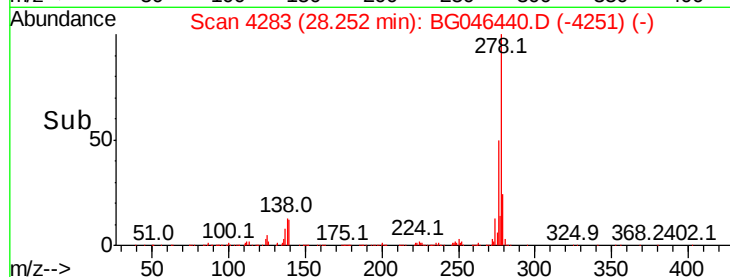
Ion	Ratio	Lower	Upper
278	100		
139	11.8	9.8	14.8
279	24.3	19.7	29.5



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(g,h,i)perylene

Concen: 14.177 ng/ul

RT: 29.30 min Scan# 4461

Delta R.T. -0.01 min

Lab File: BG046440.D

Acq: 22 Aug 2020 9:31

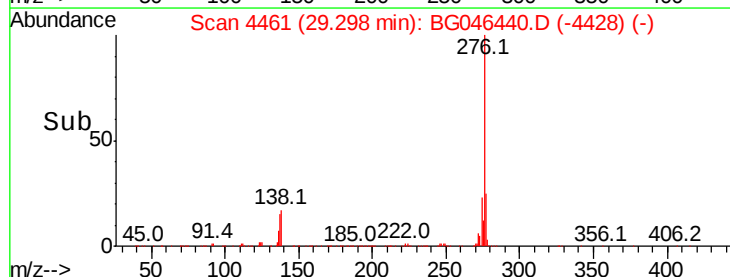
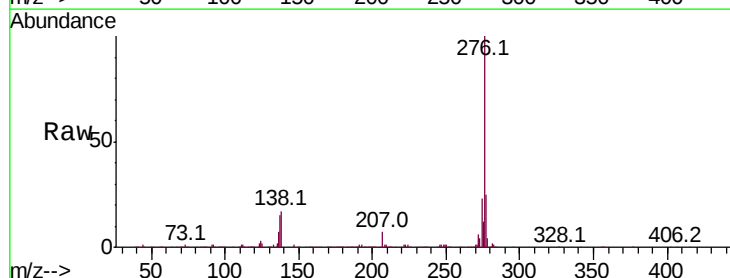
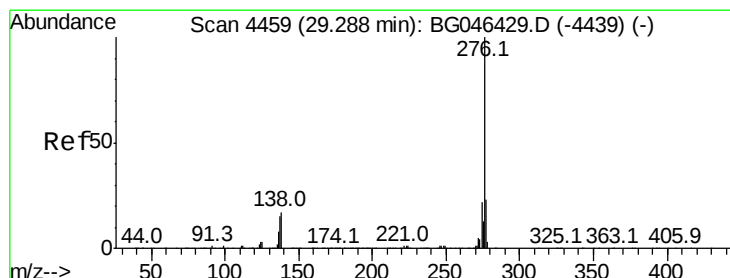
Tgt Ion:276 Resp: 781234

Ion	Ratio	Lower	Upper
276	100		
138	17.3	12.9	19.3
277	24.7	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



Time-->