

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046419.D
 Acq On : 21 Aug 2020 18:42
 Operator : CG/JU
 Sample : L3634-02DL 2X
 Misc :
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 22 01:00:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 22 00:58:34 2020
 Response via : Initial Calibration

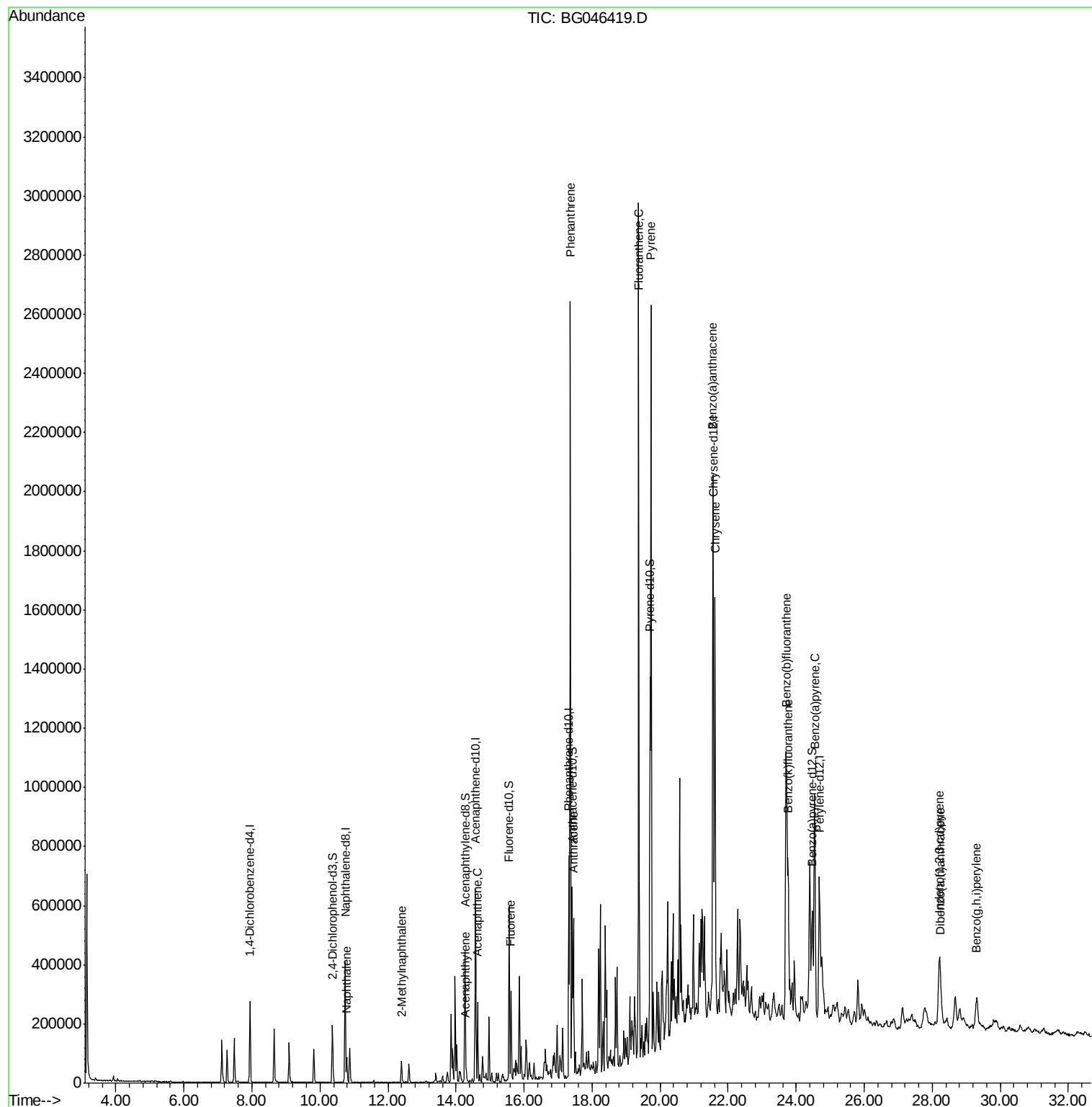
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	86796	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	362465	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	236156	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	500631	20.00	ng/ul	0.00
18) Chrysene-d12	21.57	240	483956	20.00	ng/ul	0.00
23) Perylene-d12	24.69	264	507816	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	88272	14.14	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	326690	15.03	ng/ul	0.00
10) Fluorene-d10	15.56	176	244938	14.71	ng/ul	0.00
15) Anthracene-d10	17.41	188	343859	14.82	ng/ul	0.00
19) Pyrene-d10	19.70	212	395915	15.89	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.47	264	425357	15.35	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.79	128	73965	3.923	ng/ul	97
5) 2-Methylnaphthalene	12.40	142	38467	2.676	ng/ul	96
8) Acenaphthylene	14.29	152	30267	1.370	ng/ul#	97
9) Acenaphthene	14.63	153	113089	7.167	ng/ul	94
11) Fluorene	15.62	166	135671	7.354	ng/ul	100
14) Phenanthrene	17.36	178	1642482	59.637	ng/ul	94
16) Anthracene	17.45	178	369672	13.303	ng/ul	100
17) Fluoranthene	19.37	202	1815215	59.108	ng/ul	96
20) Pyrene	19.73	202	1609258	50.658	ng/ul	98
21) Benzo(a)anthracene	21.55	228	1009311	32.054	ng/ul	96
22) Chrysene	21.61	228	979480	32.178	ng/ul	97
24) Benzo(b)fluoranthene	23.71	252	1247121	37.138	ng/ul	96
25) Benzo(k)fluoranthene	23.76	252	426781	12.812	ng/ul	98
27) Benzo(a)pyrene	24.54	252	874317	28.360	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.21	276	440411	11.409	ng/ul	99
29) Dibenzo(a,h)anthracene	28.25	278	127055	4.059	ng/ul#	91
30) Benzo(g,h,i)perylene	29.30	276	243070	7.524	ng/ul	99

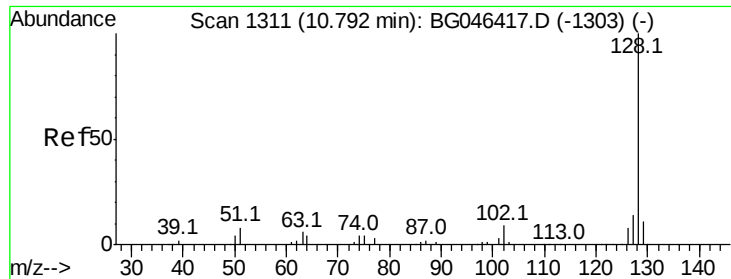
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046419.D
Acq On : 21 Aug 2020 18:42
Operator : CG/JU
Sample : L3634-02DL 2X
Misc :
ALS Vial : 83 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 22 01:00:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 22 00:58:34 2020
Response via : Initial Calibration





#4

Naphthalene

Concen: 3.923 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG046419.D

Acq: 21 Aug 2020 18:42

Instrument :

BNA_G

ClientSampleId :

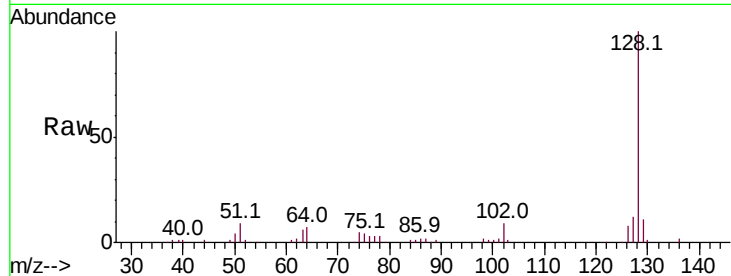
Tot Ion:128 Resp: 73965

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

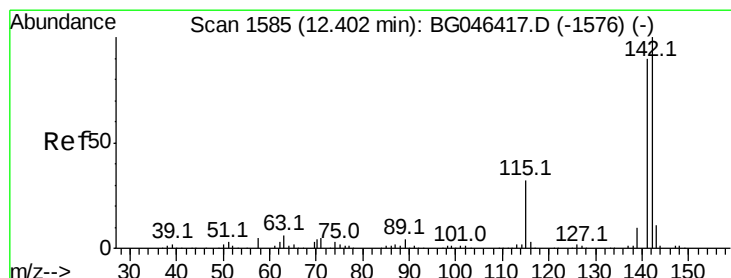
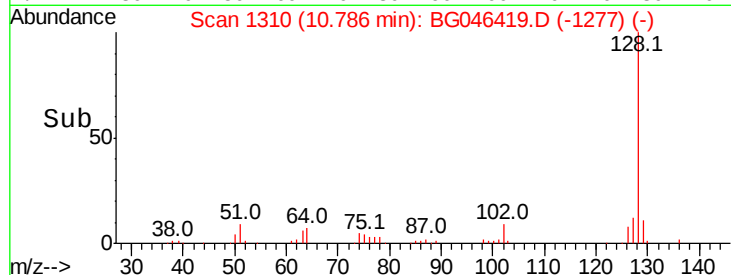
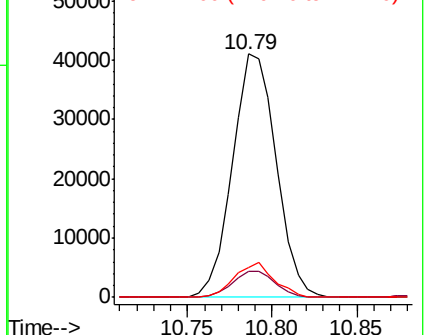
127 12.1 10.9 16.3



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: 2.676 ng/ul

RT: 12.40 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BG046419.D

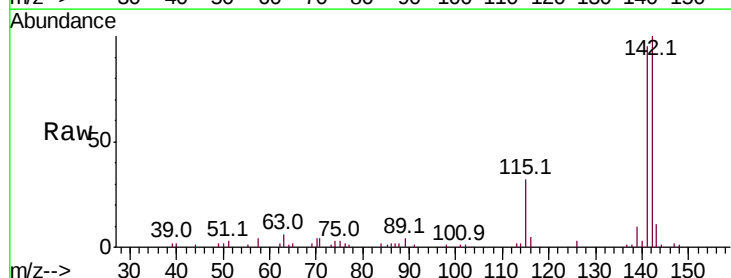
Acq: 21 Aug 2020 18:42

Tgt Ion:142 Resp: 38467

Ion Ratio Lower Upper

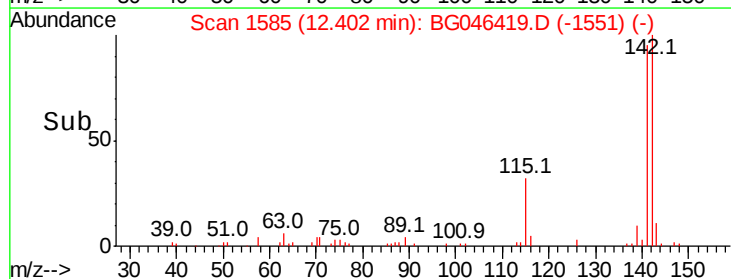
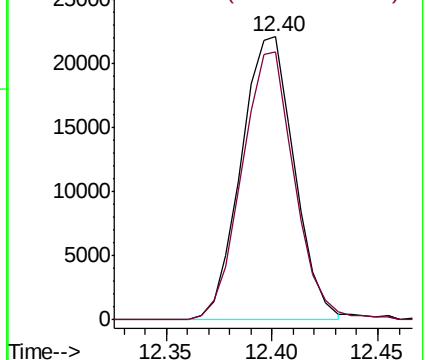
142 100

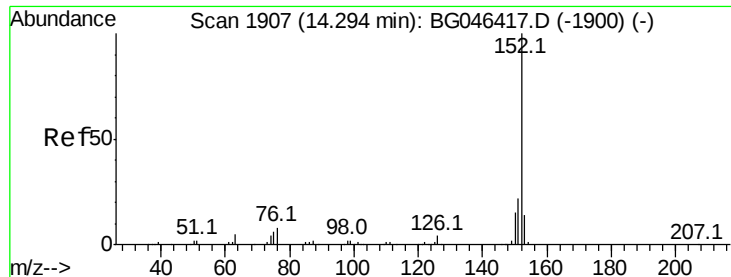
141 94.6 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.370 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG046419.D

Acq: 21 Aug 2020 18:42

Instrument :

BNA_G

ClientSampleId :

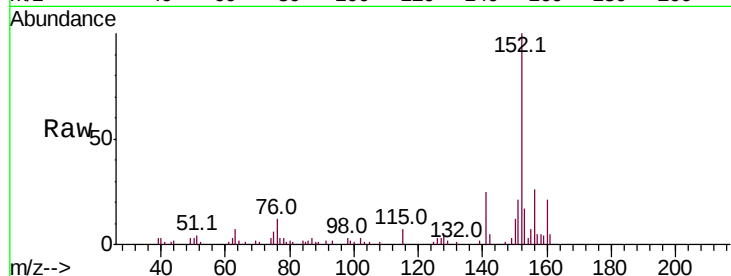
Tot Ion:152 Resp: 30267

Ion Ratio Lower Upper

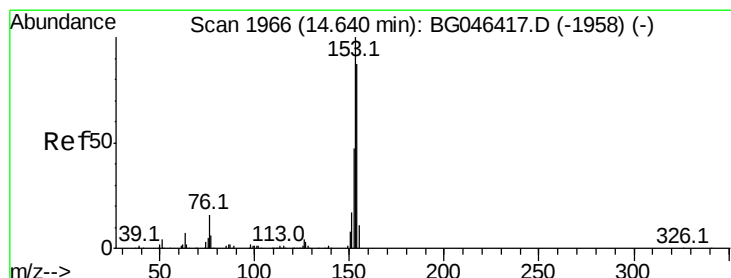
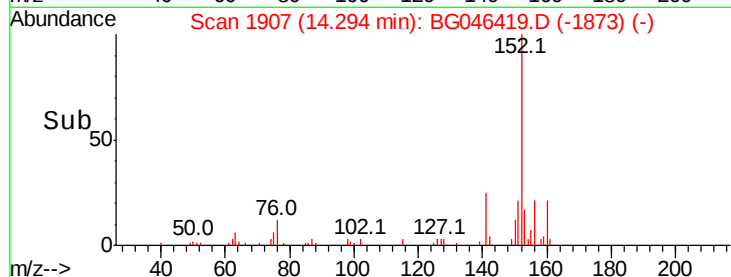
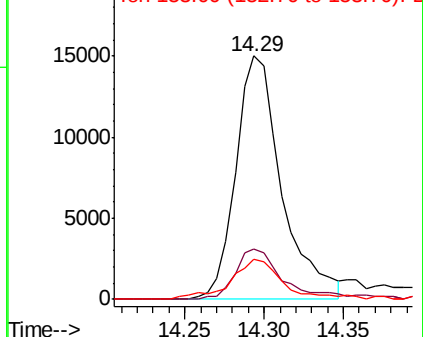
152 100

151 20.6 16.5 24.7

153 16.6 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: 7.167 ng/ul

RT: 14.63 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG046419.D

Acq: 21 Aug 2020 18:42

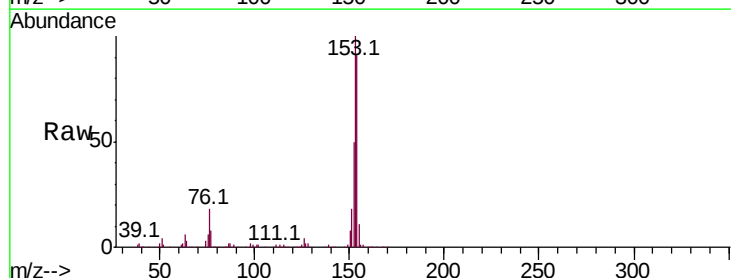
Tgt Ion:153 Resp: 113089

Ion Ratio Lower Upper

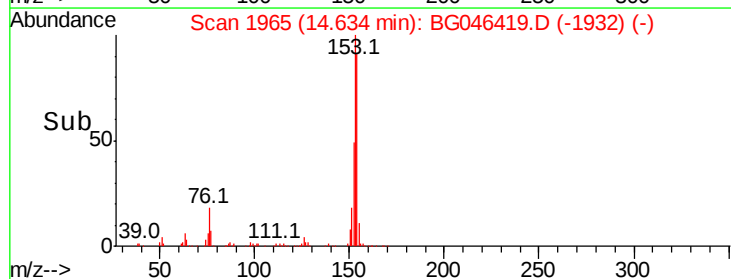
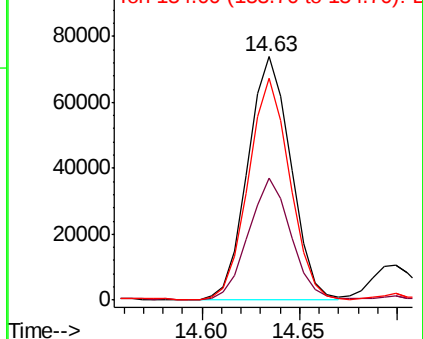
153 100

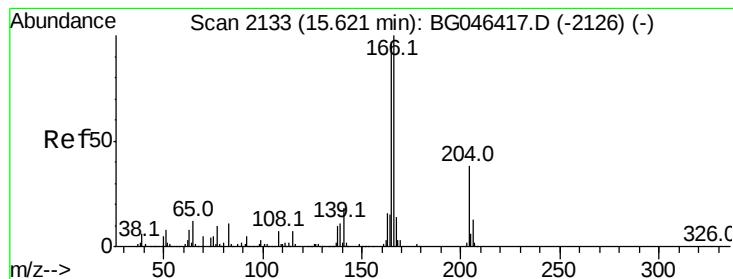
152 49.9 37.2 55.8

154 91.3 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: 7.354 ng/ul

RT: 15.62 min Scan# 2133

Delta R.T. 0.00 min

Lab File: BG046419.D

Acq: 21 Aug 2020 18:42

Instrument :

BNA_G

ClientSampleId :

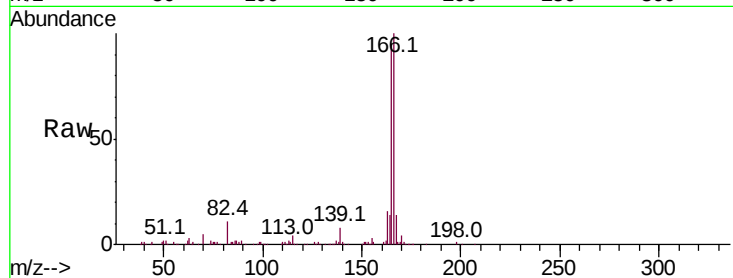
Tot Ion:166 Resp: 135671

Ion Ratio Lower Upper

166 100

165 95.1 75.9 113.9

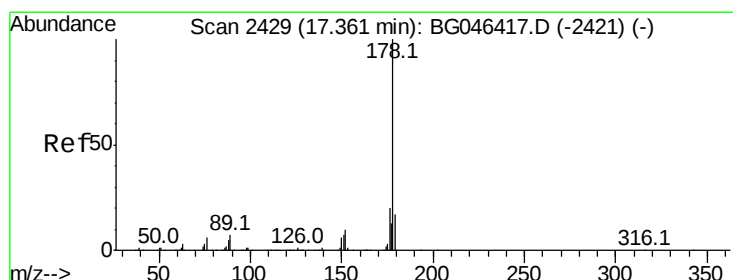
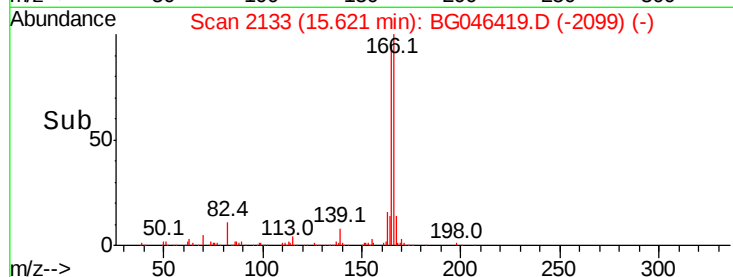
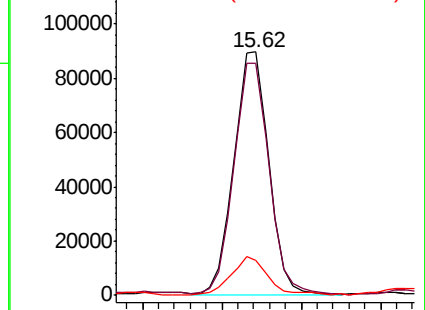
167 14.4 10.7 16.1



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: 59.637 ng/ul

RT: 17.36 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BG046419.D

Acq: 21 Aug 2020 18:42

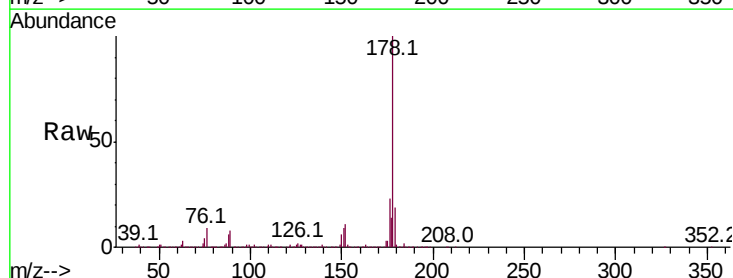
Tgt Ion:178 Resp: 1642482

Ion Ratio Lower Upper

178 100

179 18.5 12.8 19.2

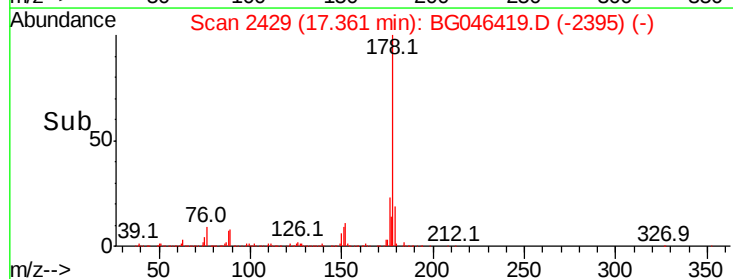
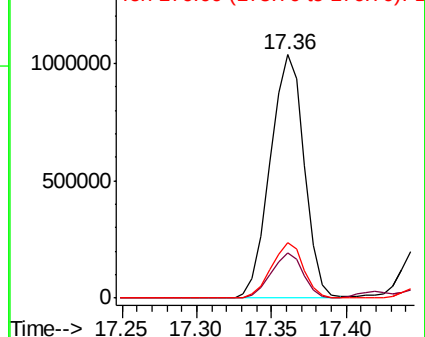
176 22.8 15.8 23.8

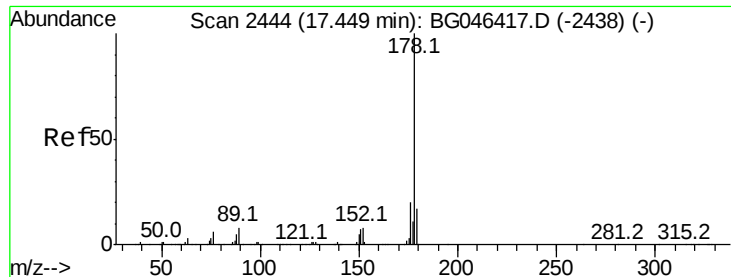


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

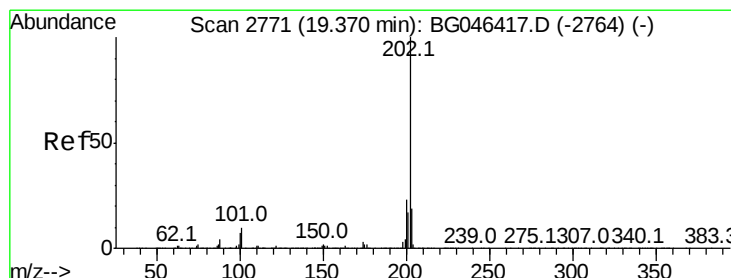
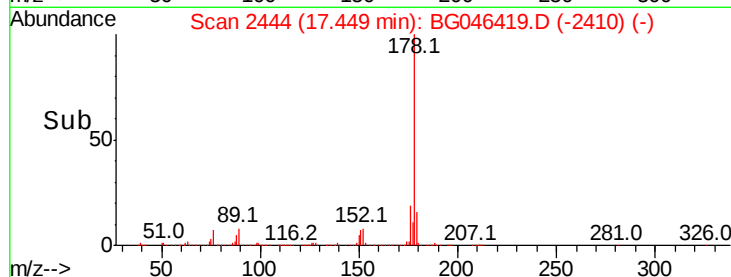
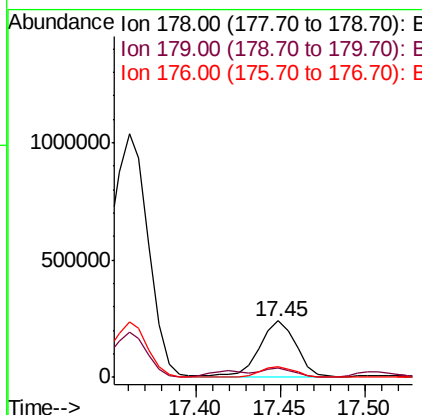
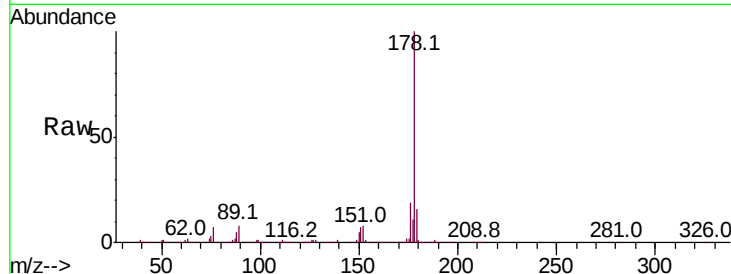




#16
 Anthracene
 Concen: 13.303 ng/ul
 RT: 17.45 min Scan# 2444
 Delta R.T. 0.00 min
 Lab File: BG046419.D
 Acq: 21 Aug 2020 18:42

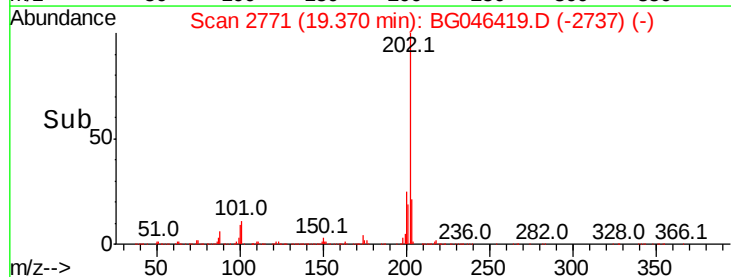
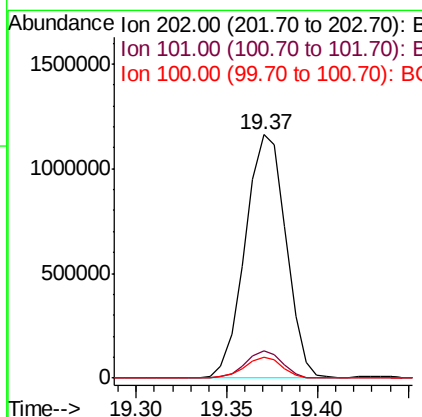
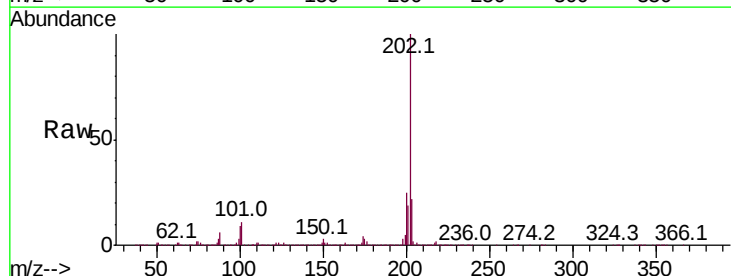
Instrument :
 BNA_G
 ClientSampleId :

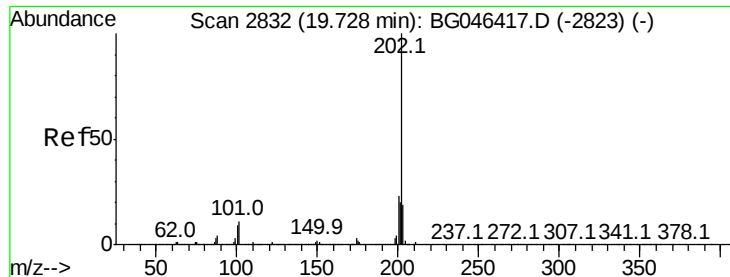
Tot Ion:178 Resp: 369672
 Ion Ratio Lower Upper
 178 100
 179 16.2 13.2 19.8
 176 19.0 15.2 22.8



#17
 Fluoranthene
 Concen: 59.108 ng/ul
 RT: 19.37 min Scan# 2771
 Delta R.T. 0.00 min
 Lab File: BG046419.D
 Acq: 21 Aug 2020 18:42

Tgt Ion:202 Resp: 1815215
 Ion Ratio Lower Upper
 202 100
 101 11.1 7.8 11.6
 100 8.6 5.9 8.9

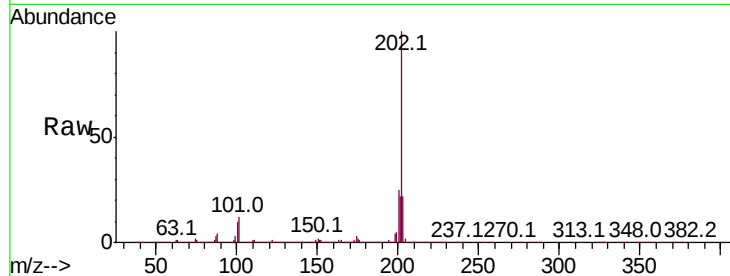




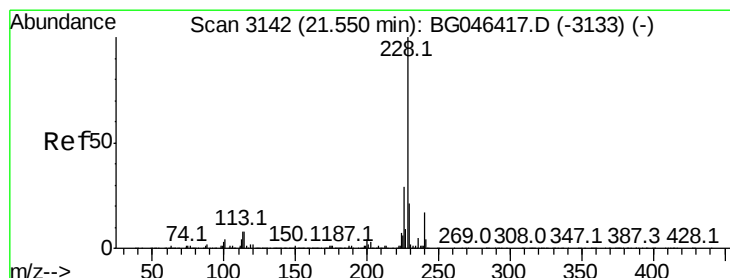
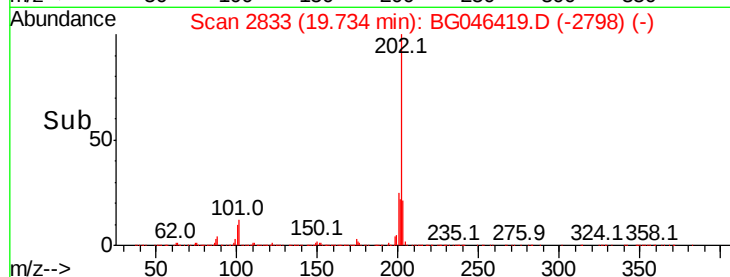
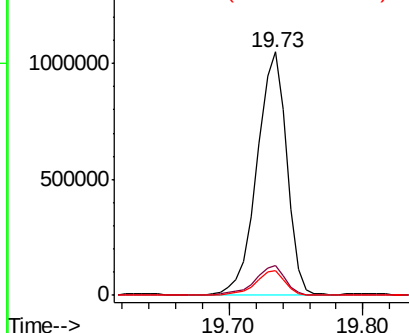
#20
Pvrene
Concen: 50.658 ng/ul
RT: 19.73 min Scan# 2833
Delta R.T. 0.01 min
Lab File: BG046419.D
Acq: 21 Aug 2020 18:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:202 Resp: 1609258
Ion Ratio Lower Upper
202 100
101 12.4 8.9 13.3
100 10.2 7.9 11.9

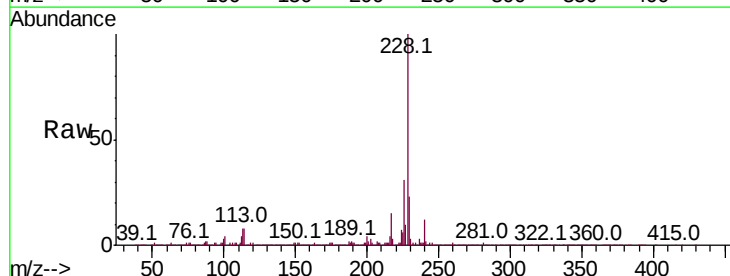


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

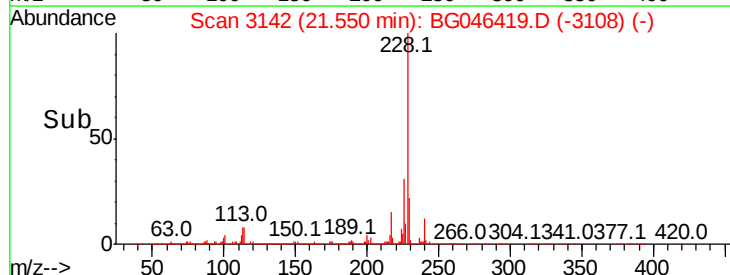
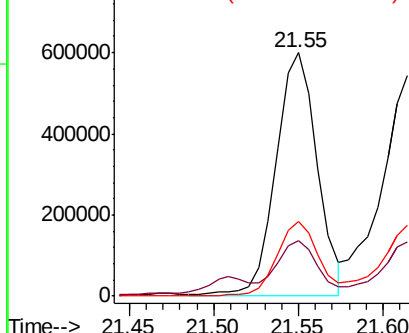


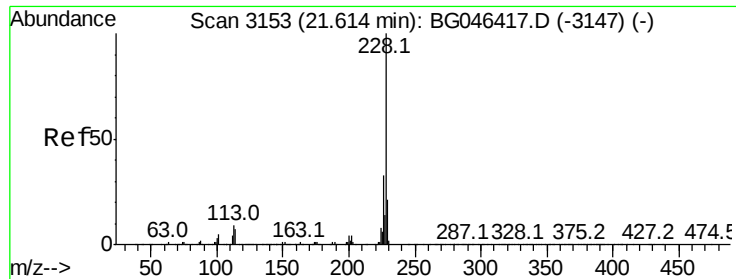
#21
Benzo(a)anthracene
Concen: 32.054 ng/ul
RT: 21.55 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BG046419.D
Acq: 21 Aug 2020 18:42

Tgt Ion:228 Resp: 1009311
Ion Ratio Lower Upper
228 100
229 22.7 16.6 25.0
226 30.7 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: 32.178 ng/ul

RT: 21.61 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG046419.D

Acq: 21 Aug 2020 18:42

Instrument :

BNA_G

ClientSampleId :

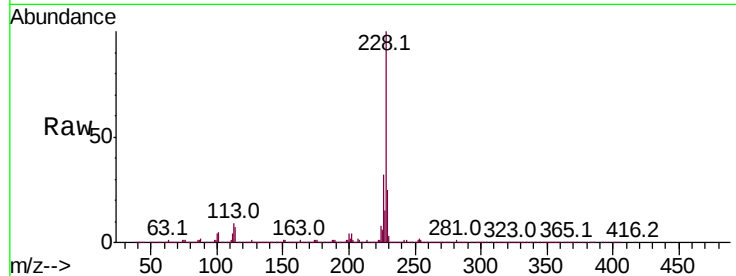
Tot Ion:228 Resp: 979480

Ion Ratio Lower Upper

228 100

226 32.4 25.5 38.3

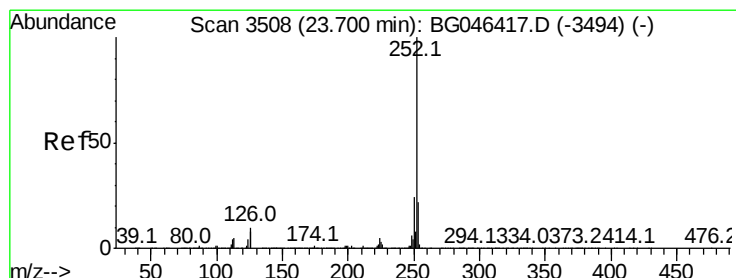
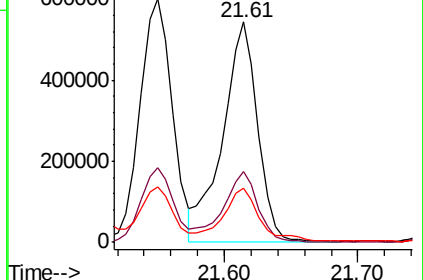
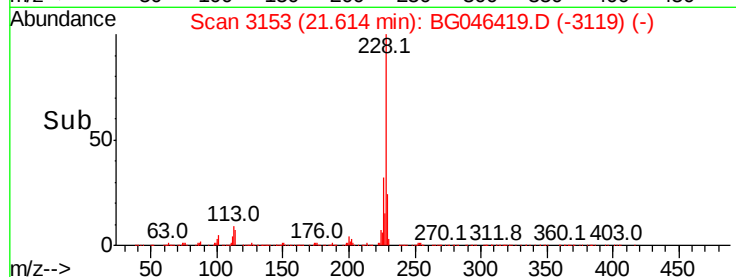
229 24.6 17.0 25.4



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: 37.138 ng/ul

RT: 23.71 min Scan# 3509

Delta R.T. 0.01 min

Lab File: BG046419.D

Acq: 21 Aug 2020 18:42

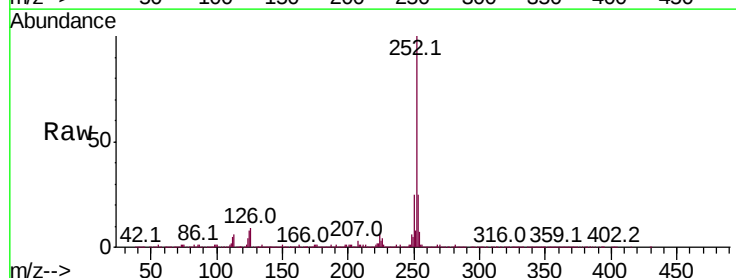
Tgt Ion:252 Resp: 1247121

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

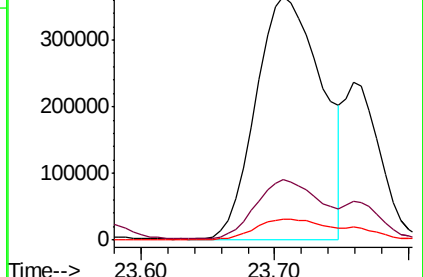
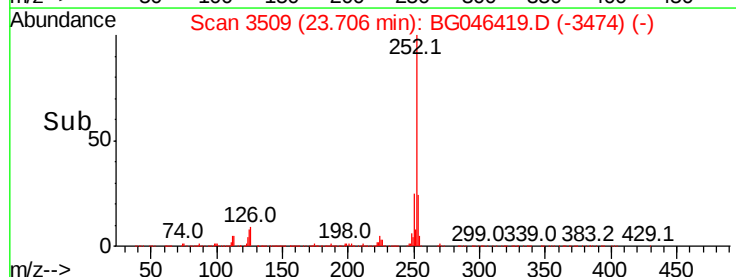
125 8.5 6.4 9.6

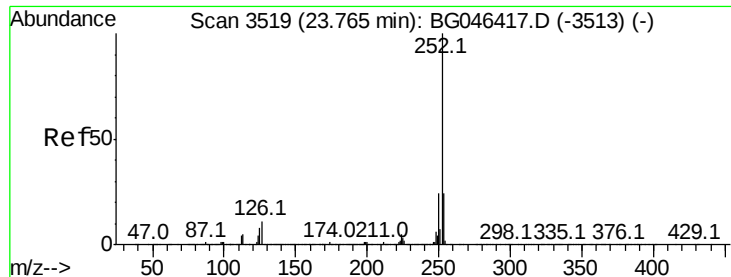


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 12.812 ng/ul

RT: 23.76 min Scan# 3518

Delta R.T. -0.01 min

Lab File: BG046419.D

Acq: 21 Aug 2020 18:42

Instrument :

BNA_G

ClientSampleId :

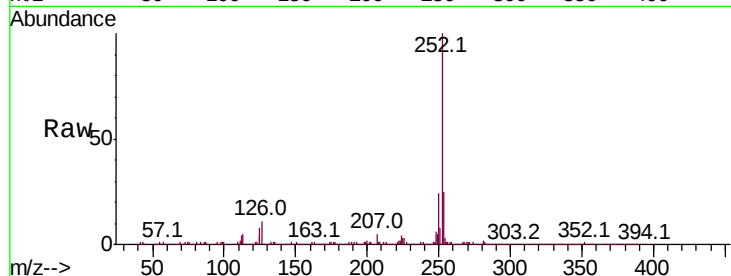
Tot Ion:252 Resp: 426781

Ion Ratio Lower Upper

252 100

253 24.6 18.5 27.7

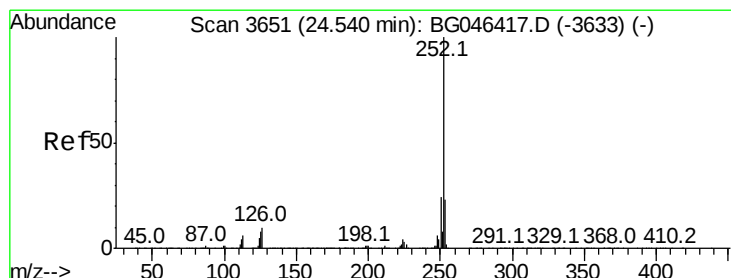
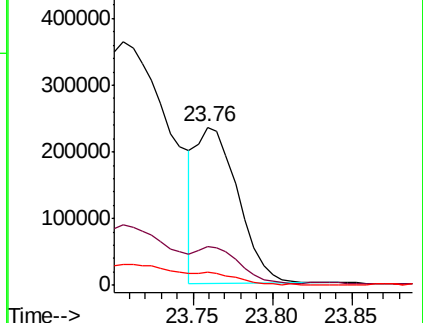
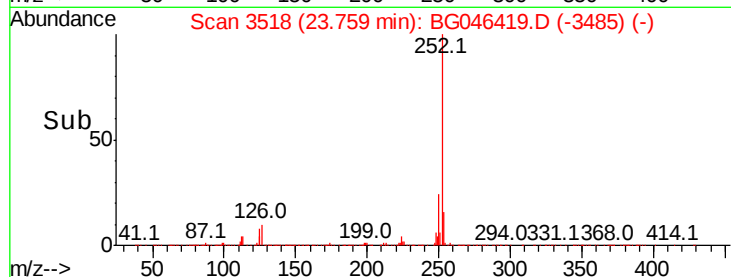
125 8.0 6.2 9.2



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: 28.360 ng/ul

RT: 24.54 min Scan# 3651

Delta R.T. 0.00 min

Lab File: BG046419.D

Acq: 21 Aug 2020 18:42

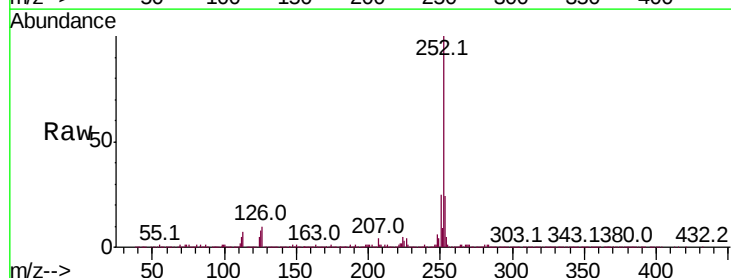
Tgt Ion:252 Resp: 874317

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

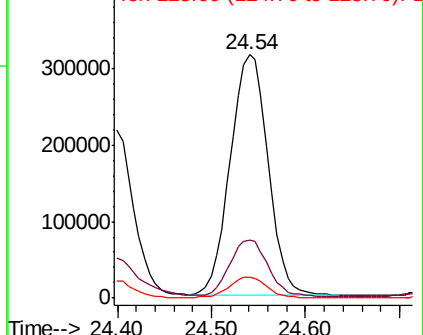
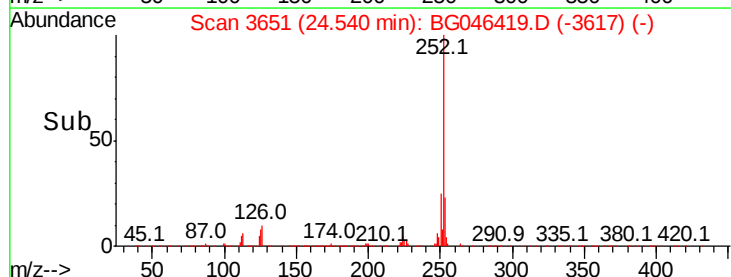
125 8.4 7.1 10.7

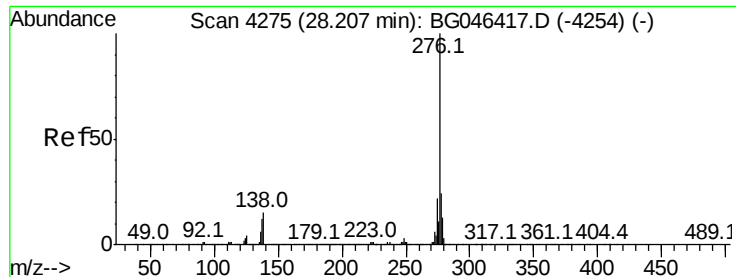


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



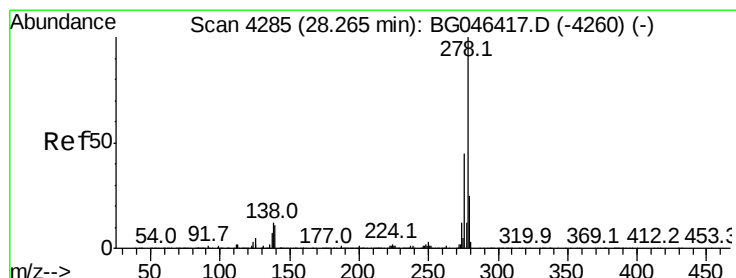
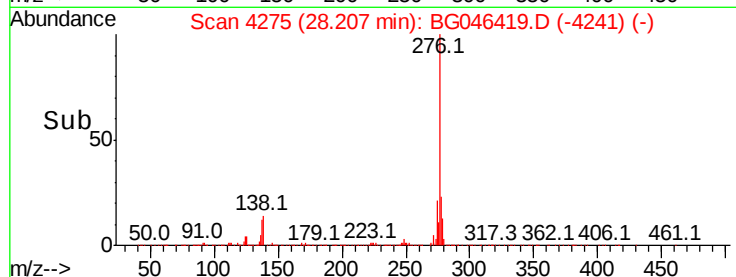
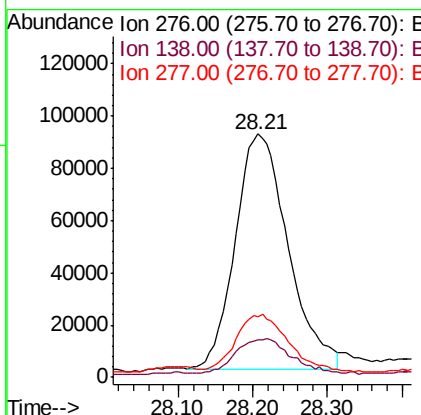
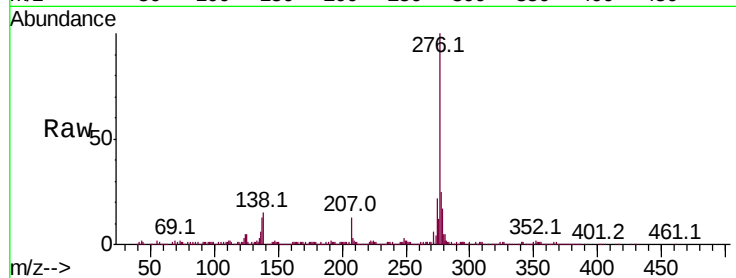


#28

Indeno(1,2,3-cd)pyrene
Concen: 11.409 ng/ul
RT: 28.21 min Scan# 4275
Delta R.T. 0.00 min
Lab File: BG046419.D
Acq: 21 Aug 2020 18:42

Instrument :
BNA_G
ClientSampleId :

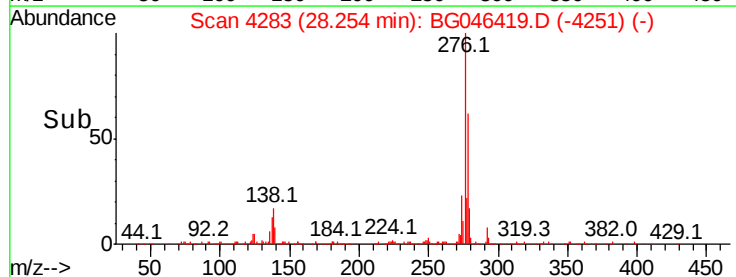
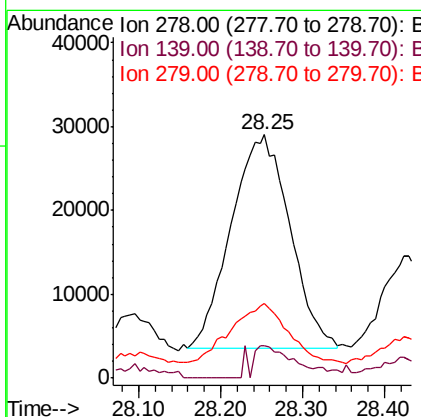
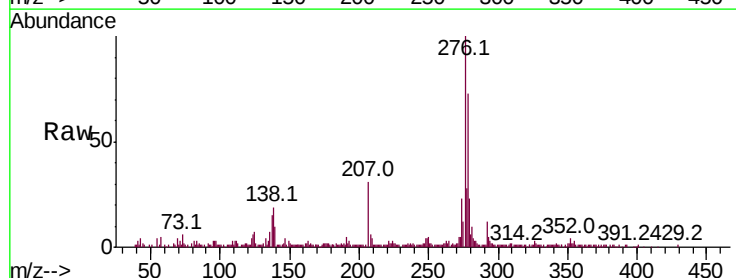
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.2	13.2	19.8
277	24.7	19.9	29.9

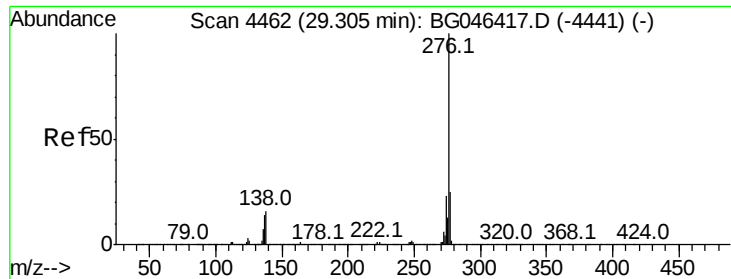


#29

Dibenzo(a,h)anthracene
Concen: 4.059 ng/ul
RT: 28.25 min Scan# 4283
Delta R.T. -0.01 min
Lab File: BG046419.D
Acq: 21 Aug 2020 18:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.4	9.8	14.8
279	30.9	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 7.524 ng/ul

RT: 29.30 min Scan# 4461

Delta R.T. -0.01 min

Lab File: BG046419.D

Acq: 21 Aug 2020 18:42

Instrument :

BNA_G

ClientSampleId :

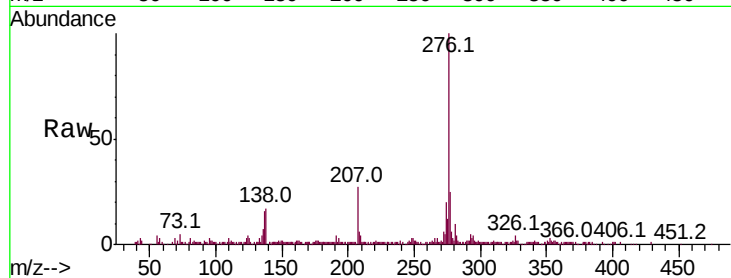
Tot Ion:276 Resp: 243070

Ion Ratio Lower Upper

276 100

138 16.6 12.9 19.3

277 25.0 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

