

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 :
 BFMFODL

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

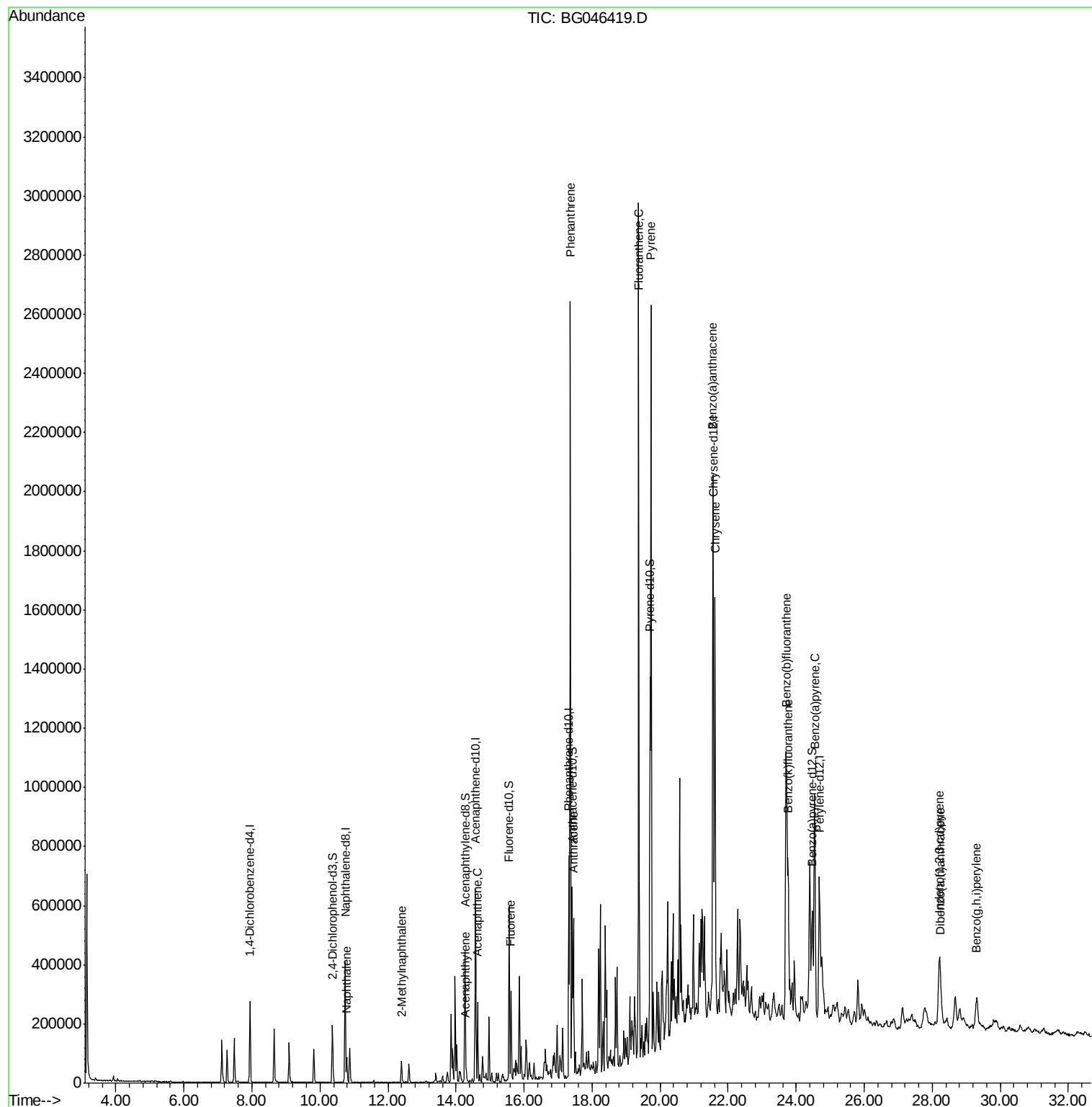
Target Compounds				Qvalue		
4) Naphthalene	10.79	128	73965	3.923	ng/ul	97
5) 2-Methylnaphthalene	12.40	142	38467	2.676	ng/ul	96
8) Acenaphthylene	14.29	152	30267	1.370	ng/ul#	97
9) Acenaphthene	14.63	153	113089	7.167	ng/ul	94
11) Fluorene	15.62	166	135671	7.354	ng/ul	100
14) Phenanthrene	17.36	178	1642482	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

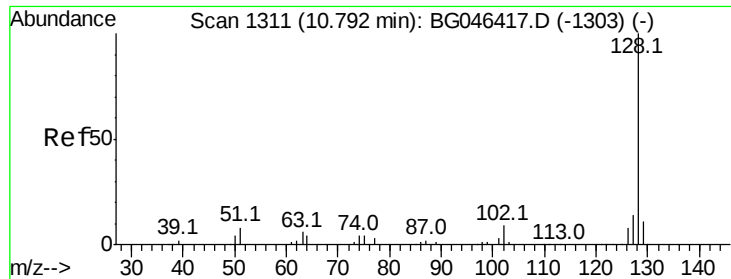
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

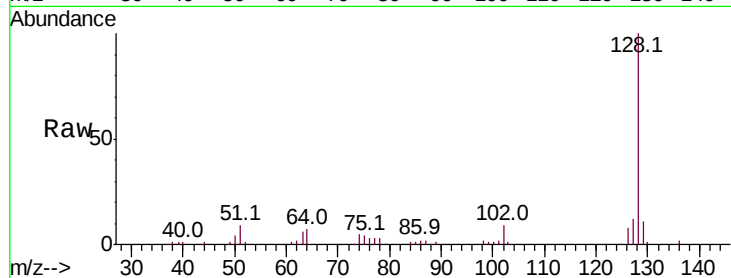
BNA_G

ClientSampled :

BFMFODL

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

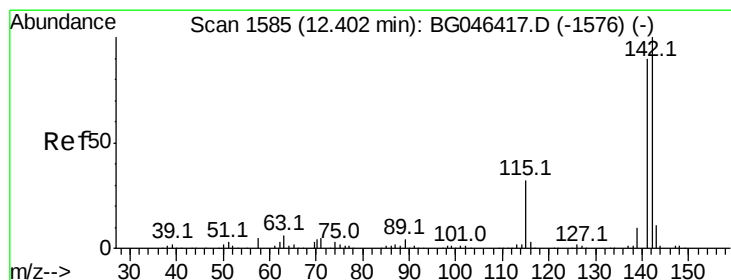
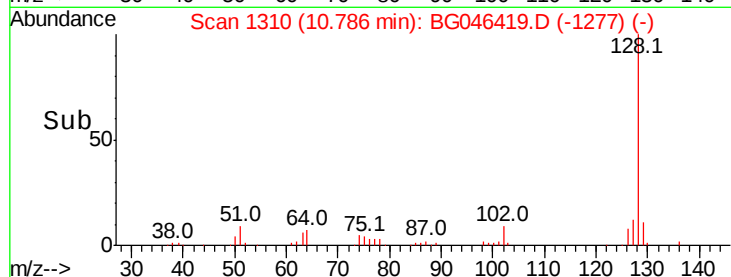
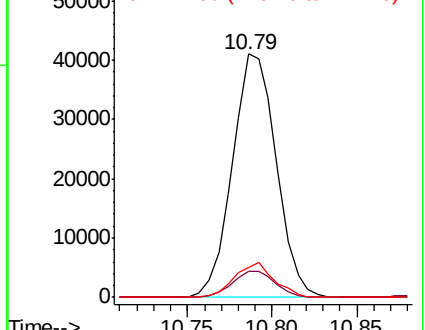


Abundance

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

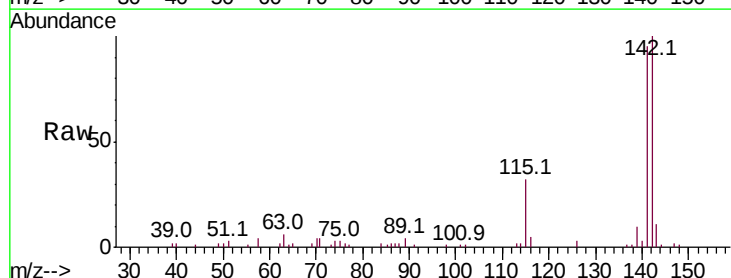
Delta R.T. 0.00 min

Lab File: BG046419.D

Acq: 21 Aug 2020 18:42

Tgt Ion:142 Resp: 38467

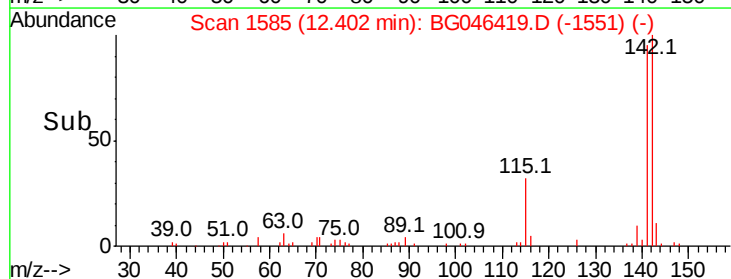
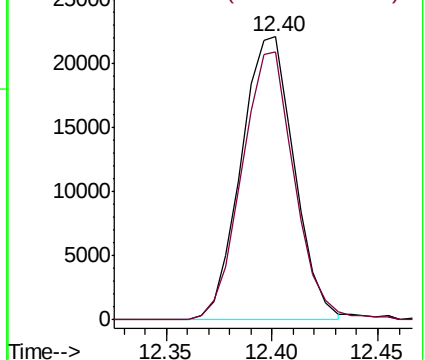
Ion	Ratio	Lower	Upper
142	100		
141	94.6	72.5	108.7

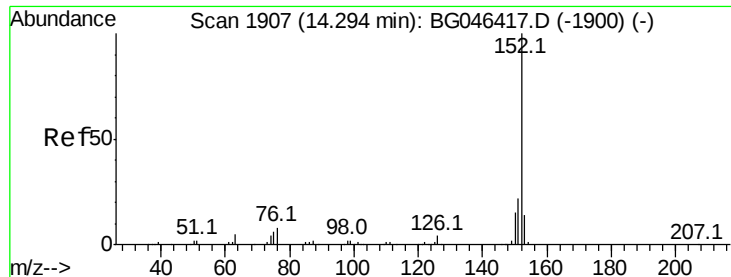


Abundance

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 :

BFMFODL

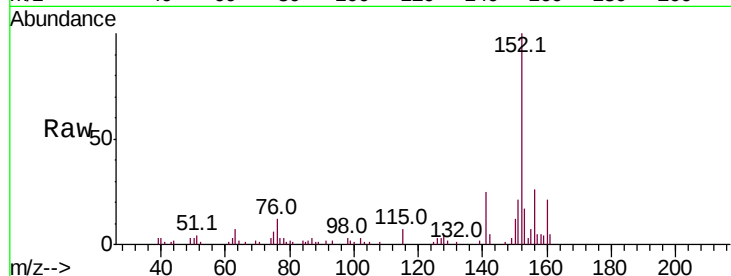
Tot Ion:152 Resp: 30267

Ion Ratio Lower Upper

152 100

151 20.6 16.5 24.7

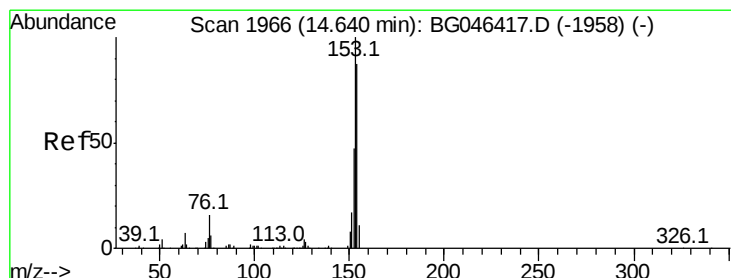
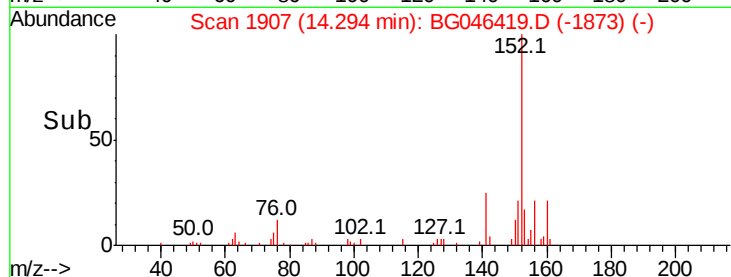
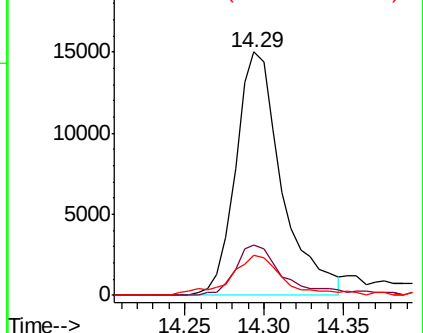
153 16.6 11.0 16.6#



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

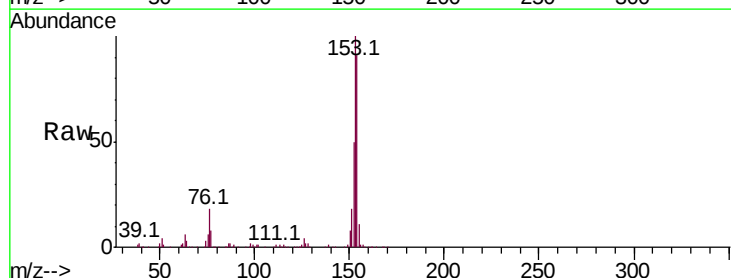
Tgt Ion:153 Resp: 113089

Ion Ratio Lower Upper

153 100

152 49.9 37.2 55.8

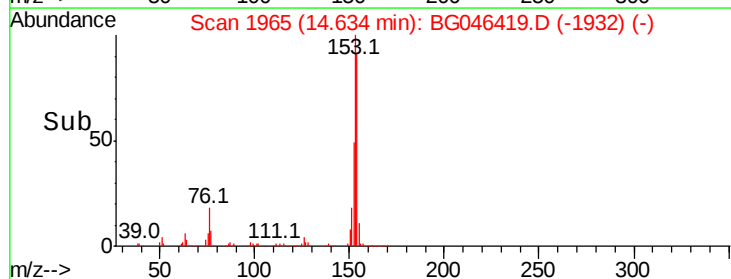
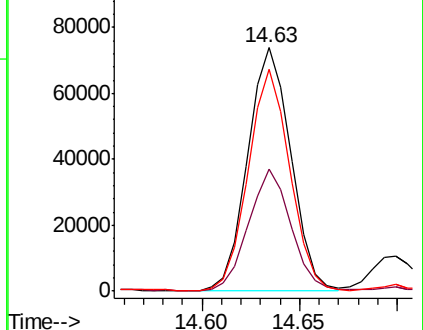
154 91.3 67.8 101.6

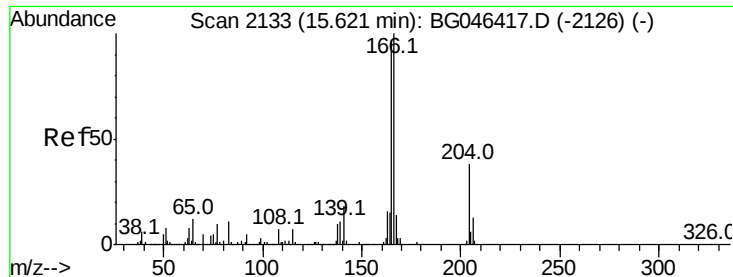


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

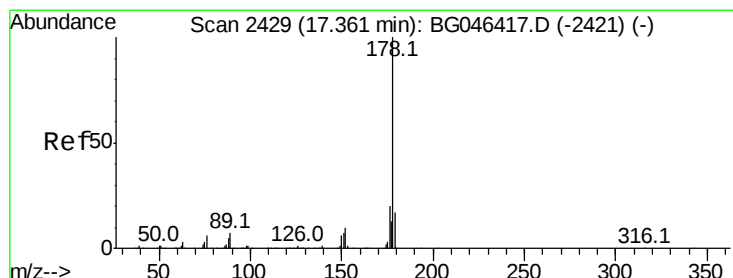
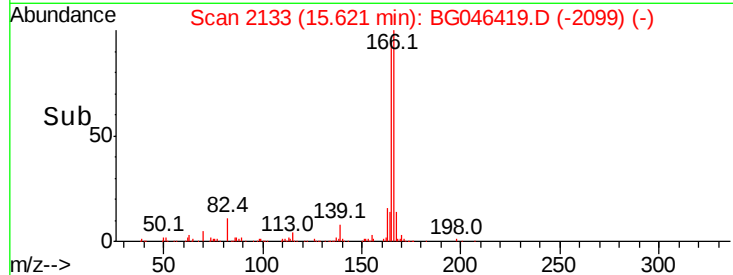
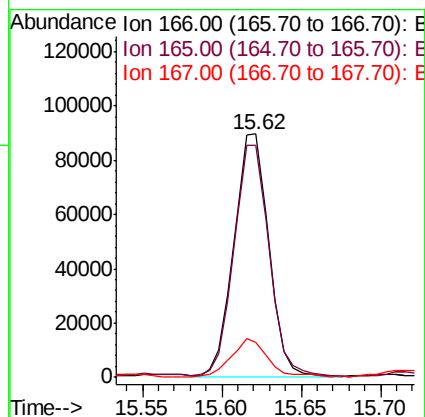
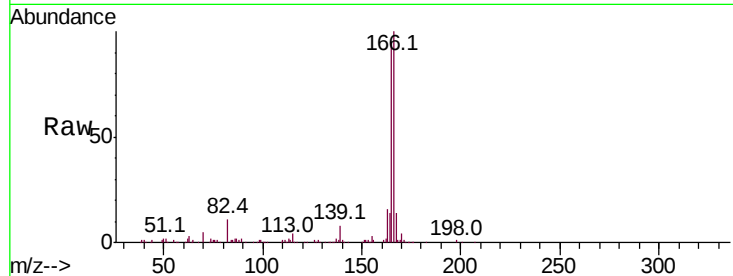




#11
 Fluorene
 Concen: 7.354 ng/ul
 RT: 15.62 min Scan# 2133
 Delta R.T. 0.00 min
 Lab File: BG046419.D
 Acq: 21 Aug 2020 18:42

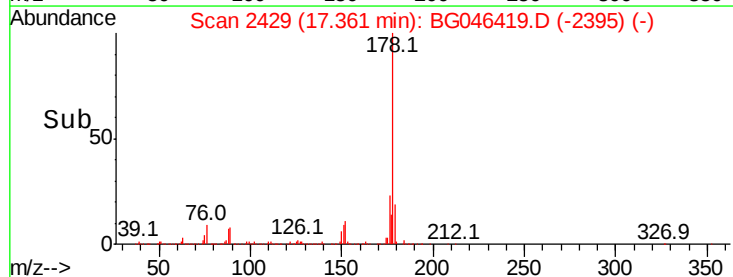
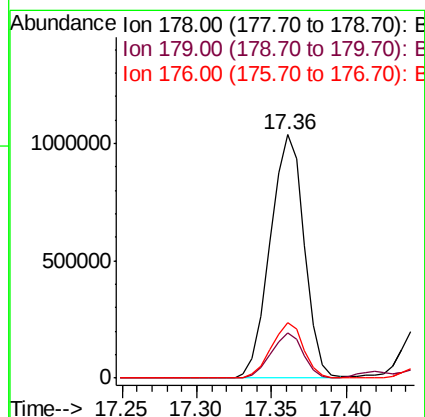
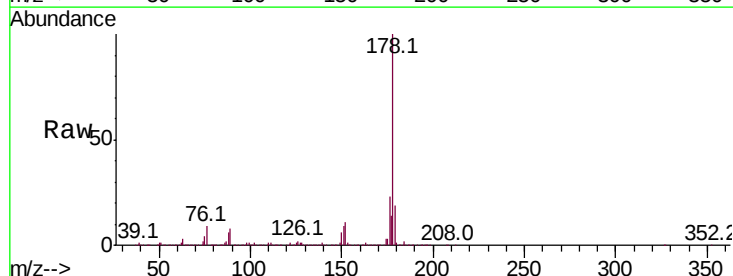
Instrument :
 BNA_G
 ClientSampleId :
 BFMFODL

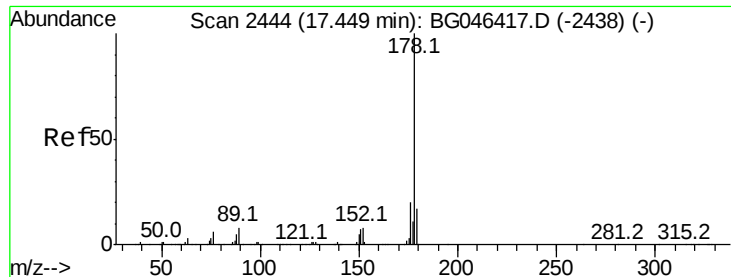
Tot Ion	Ratio	Lower	Upper
166	100		
165	95.1	75.9	113.9
167	14.4	10.7	16.1



#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	Ratio	Lower	Upper
178	100		
179	18.5	12.8	19.2
176	22.8	15.8	23.8

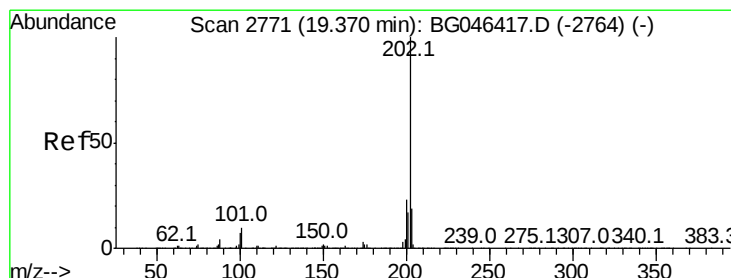
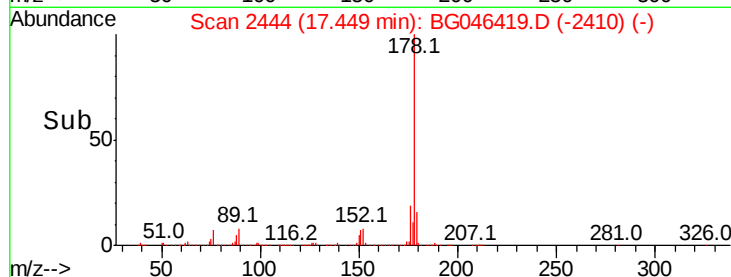
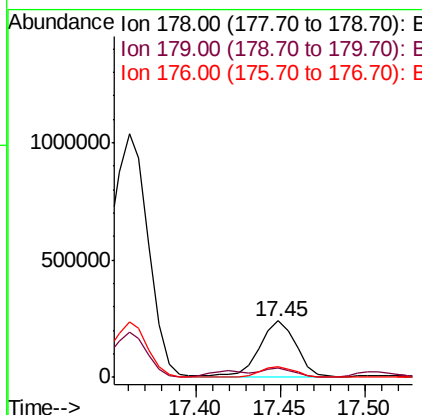
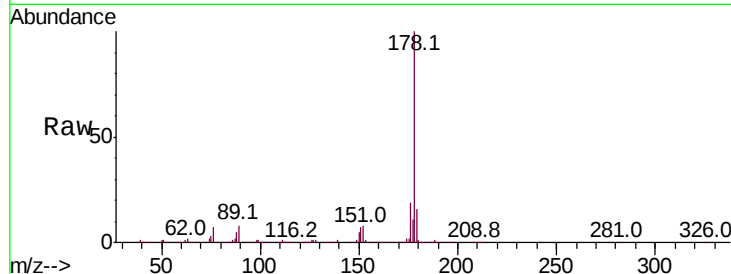




#16
 Anthracene
 Concen: 13.303 ng/ul
 RT: 17.45 min Scan# 2444
 Delta R.T. 0.00 min
 Lab File: BG046419.D
 Acq: 21 Aug 2020 18:42

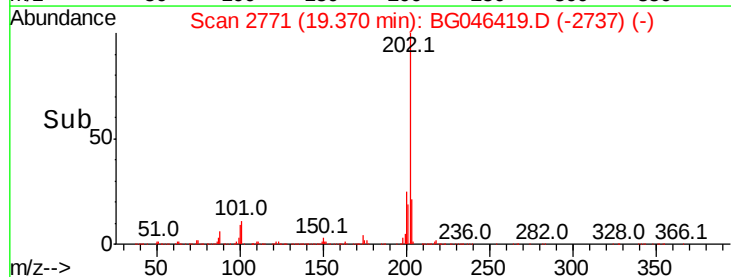
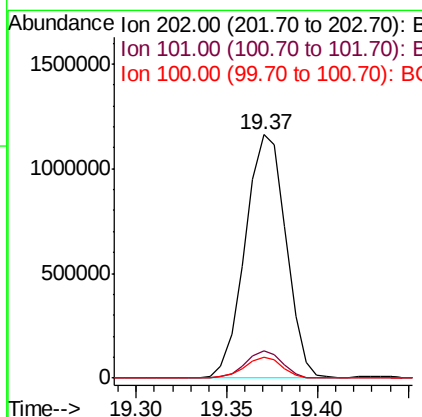
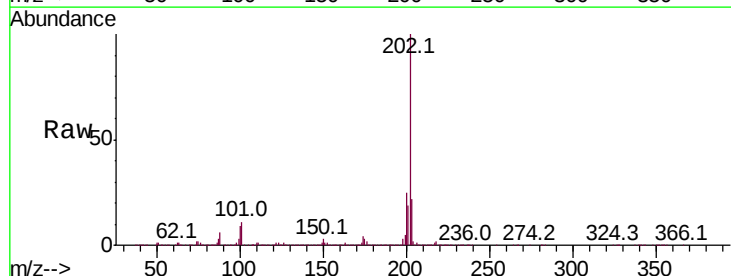
Instrument :
 BNA_G
 ClientSampleId :
 BFMFODL

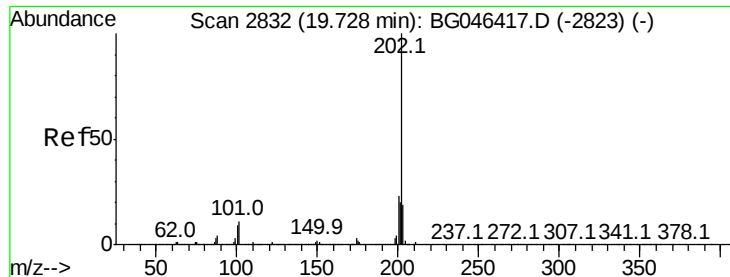
Tot Ion:178 Resp: 369672
 Ion Ratio Lower Upper
 178 100
 179 16.2 13.2 19.8
 176 19.0 15.2 22.8



#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 :

BFMFODL

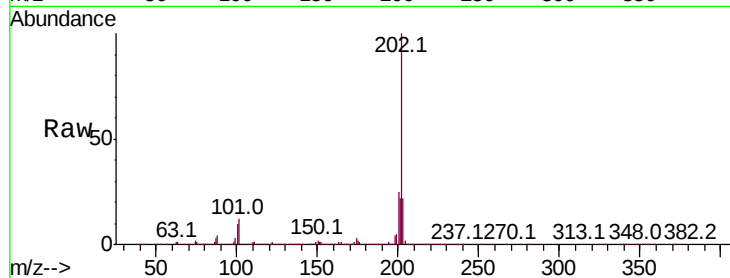
Tot Ion:202 Resp: 1609258

Ion Ratio Lower Upper

202 100

101 12.4 8.9 13.3

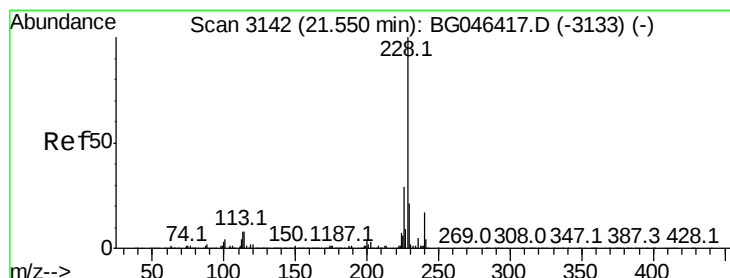
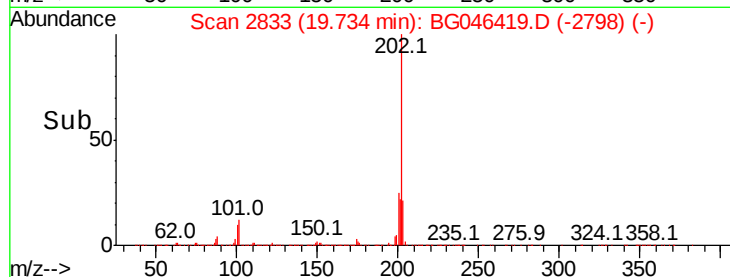
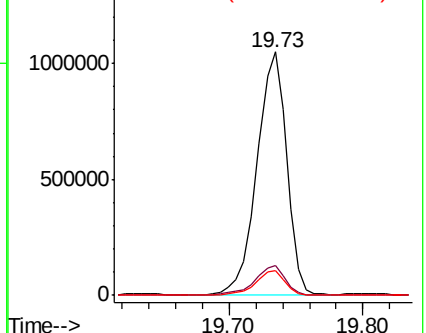
100 10.2 7.9 11.9



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

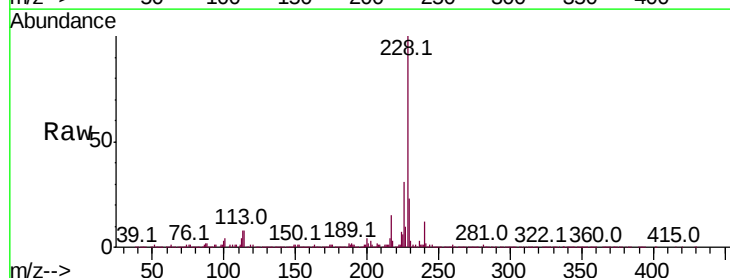
Tgt Ion:228 Resp: 1009311

Ion Ratio Lower Upper

228 100

229 22.7 16.6 25.0

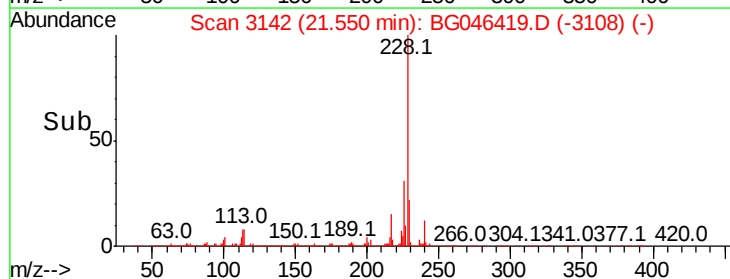
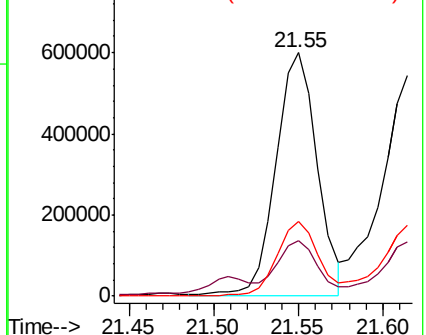
226 30.7 22.6 33.8

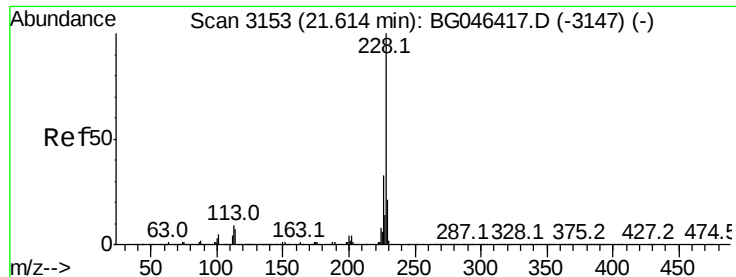


Abundance Ion 228.00 (227.70 to 228.70): E

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 :

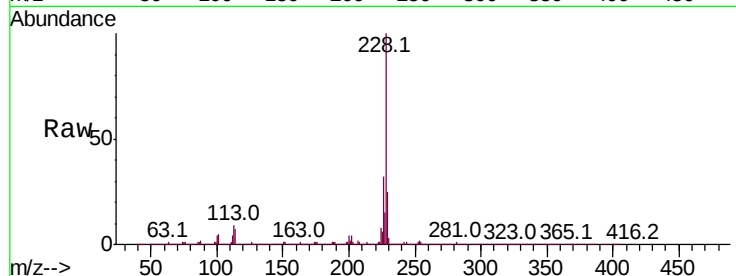
BNA_G

ClientSampleId :

BFMFODL

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

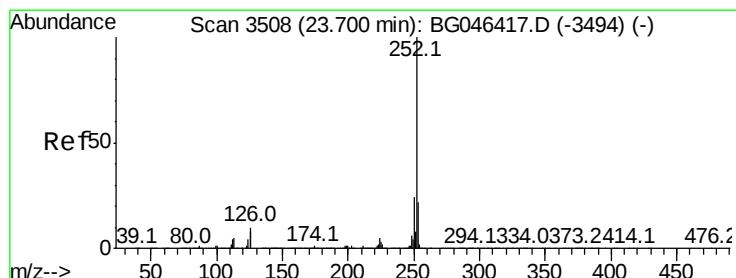
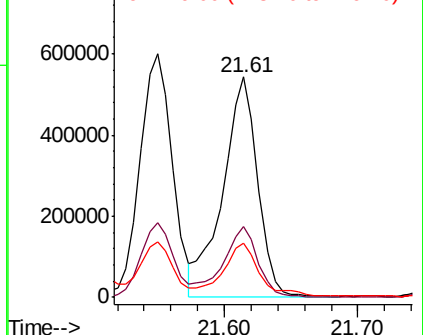
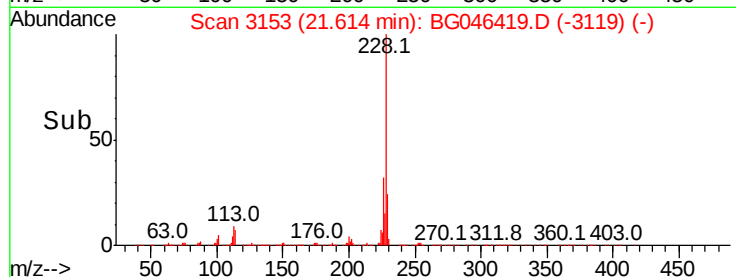


Abundance

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

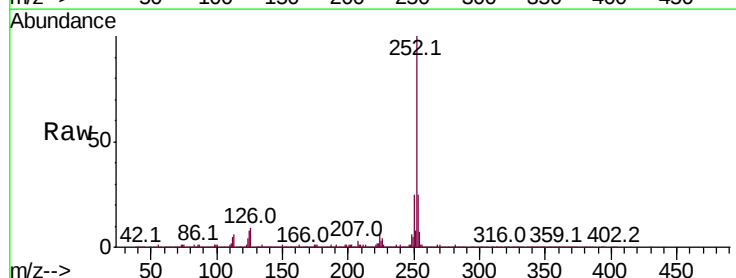
Delta R.T. 0.01 min

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

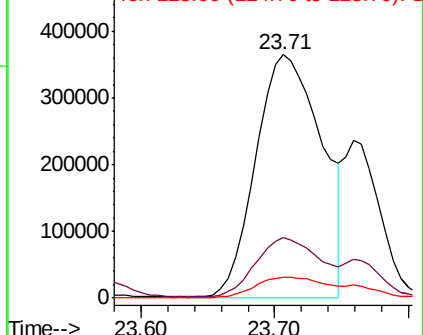
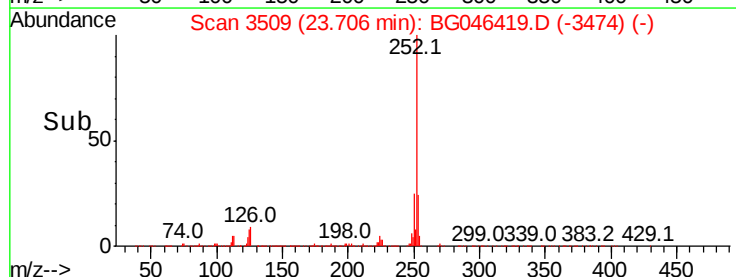


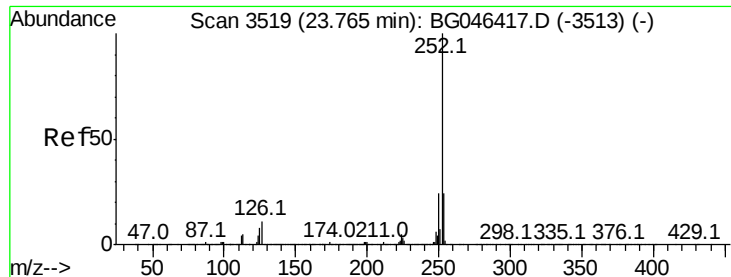
Abundance

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

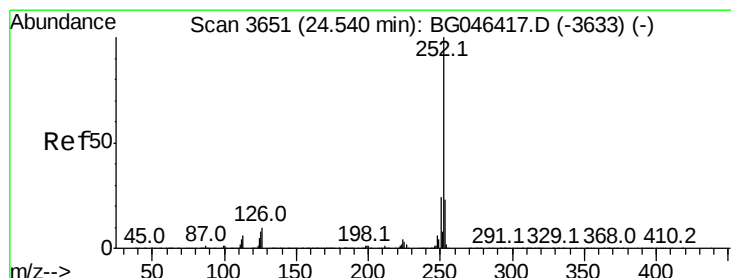
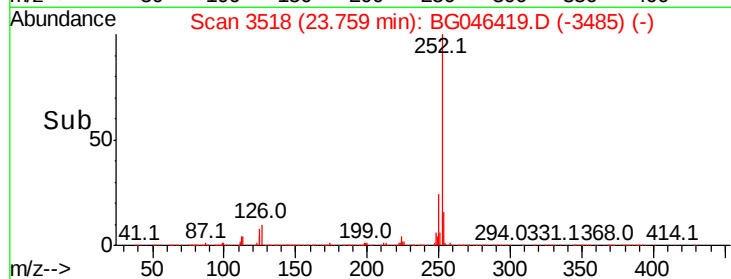
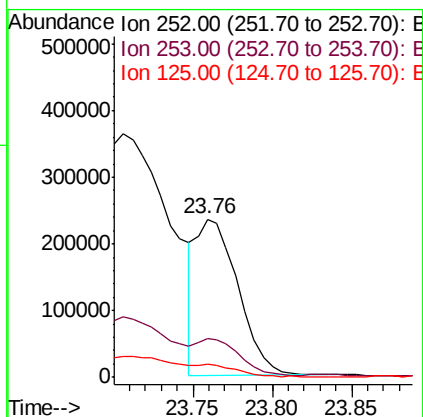
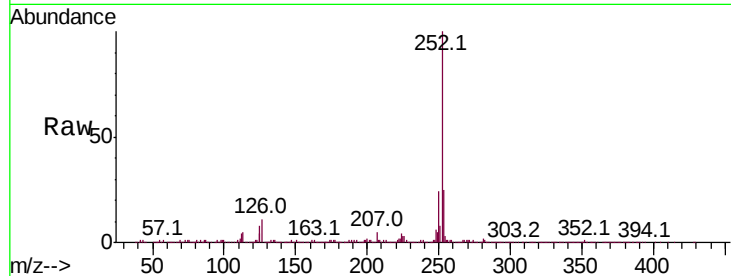




#25
Benzo(k)fluoranthene
Concen: 12.812 ng/ul
RT: 23.76 min Scan# 3518
Delta R.T. -0.01 min
Lab File: BG046419.D
Acq: 21 Aug 2020 18:42

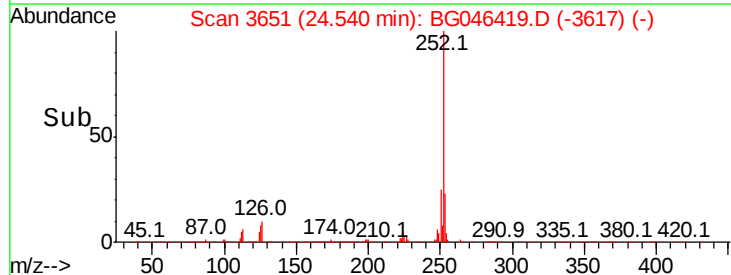
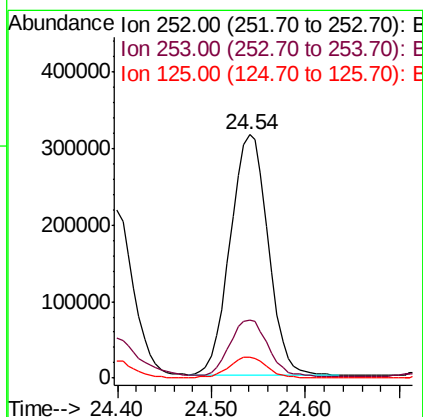
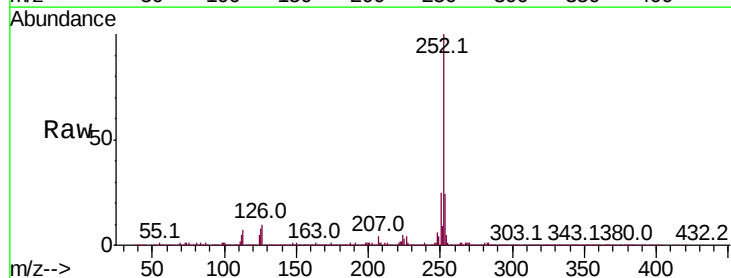
Instrument :
BNA_G
ClientSampleId :
BFMFODL

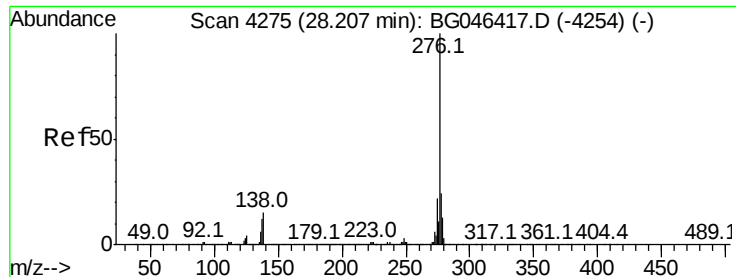
Tot Ion:252 Resp: 426781
Ion Ratio Lower Upper
252 100
253 24.6 18.5 27.7
125 8.0 6.2 9.2



#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



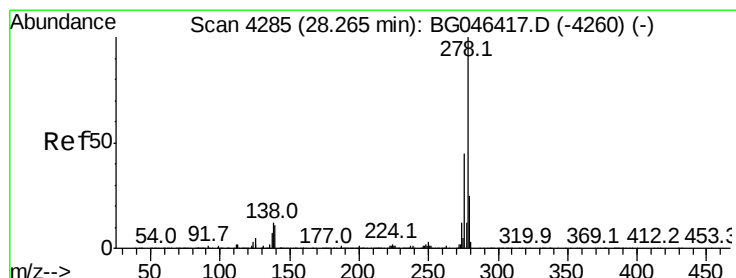
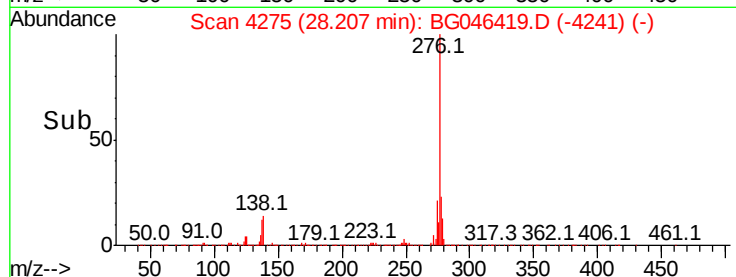
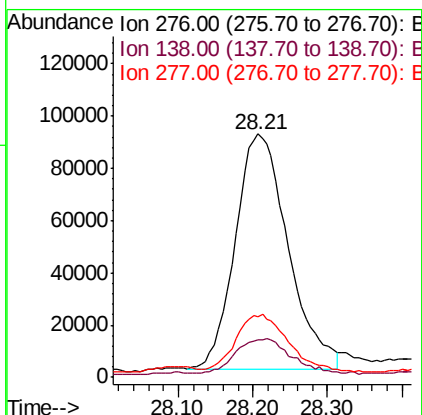
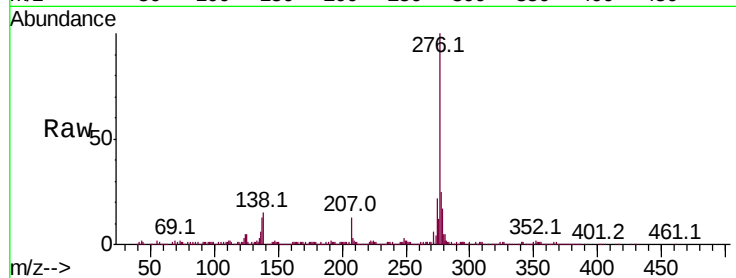


#28

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 :
BFMFODL

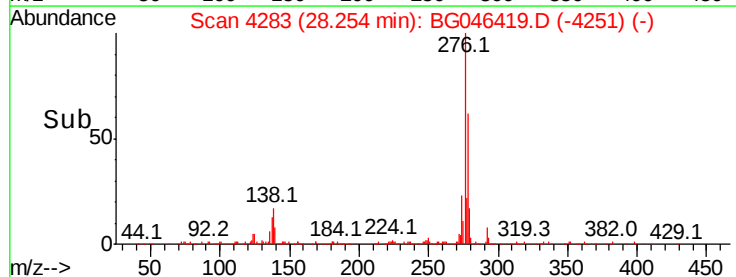
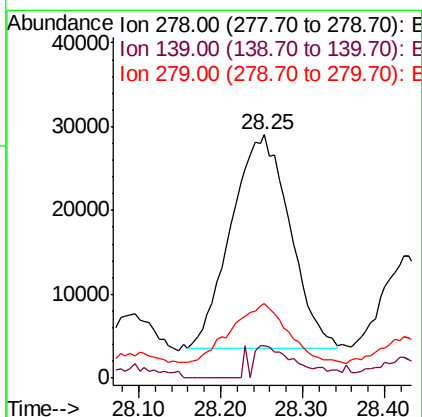
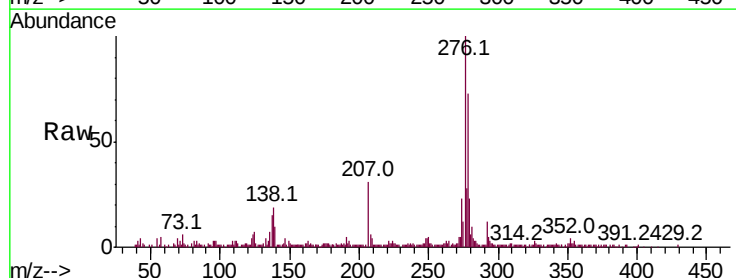
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.2	13.2	19.8
277	24.7	19.9	29.9

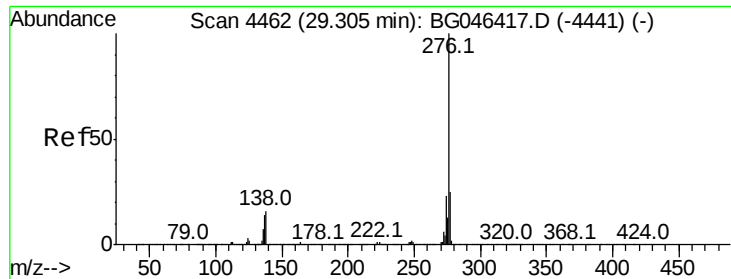


#29

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 :

BFMFODL

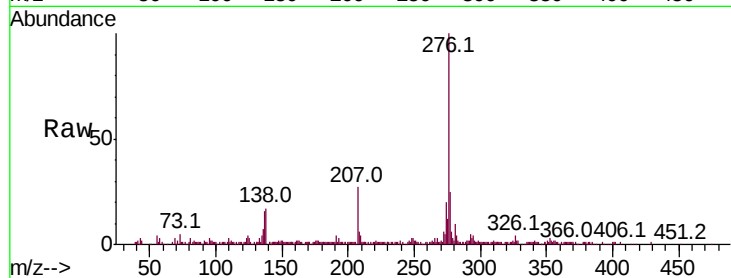
Tot Ion:276 Resp: 243070

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

