

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046388.D
 Acq On : 20 Aug 2020 21:17
 Operator : CG/JU
 Sample : L3634-15
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMG3

Quant Time: Aug 21 00:39:18 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	95928	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	373218	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	233339	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	517124	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	529836	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	566209	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	151594	23.59	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	551343	25.67	ng/ul	0.00
10) Fluorene-d10	15.56	176	413386	25.12	ng/ul	0.00
15) Anthracene-d10	17.41	188	591195	24.66	ng/ul	0.00
19) Pyrene-d10	19.70	212	689386	25.28	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	789234	25.54	ng/ul	0.01

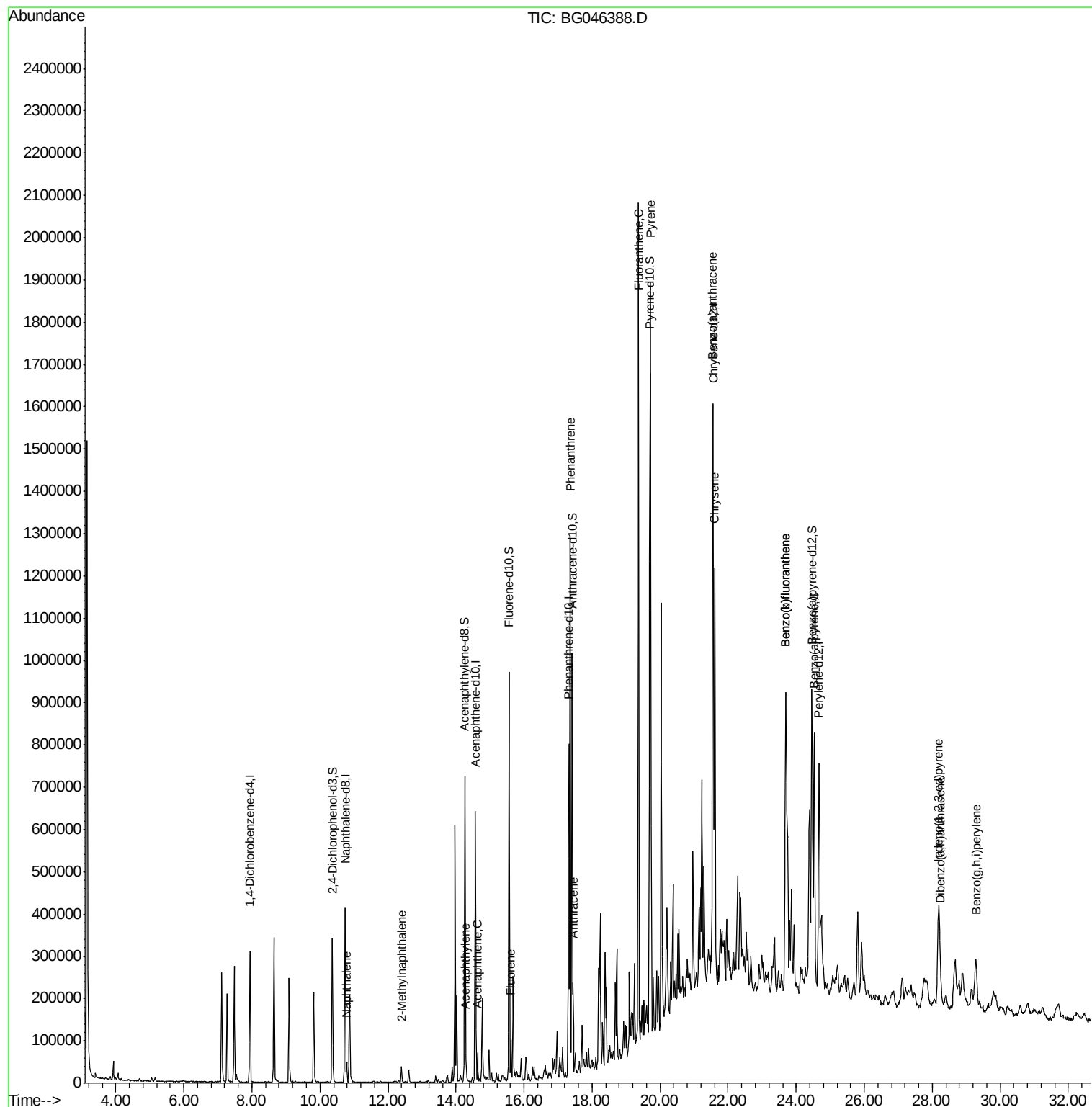
Target Compounds				Qvalue		
4) Naphthalene	10.79	128	40291	2.075	ng/ul	98
5) 2-Methylnaphthalene	12.40	142	18473	1.248	ng/ul	99
8) Acenaphthylene	14.29	152	43044	1.972	ng/ul	99
9) Acenaphthene	14.63	153	28919	1.855	ng/ul	98
11) Fluorene	15.62	166	36214	1.987	ng/ul	96
14) Phenanthrene	17.35	178	793787	27.902	ng/ul	99
16) Anthracene	17.44	178	141727	4.937	ng/ul	98
17) Fluoranthene	19.36	202	1232104	38.841	ng/ul	99
20) Pyrene	19.73	202	1134085	32.609	ng/ul	99
21) Benzo(a)anthracene	21.54	228	685829	19.895	ng/ul	97
22) Chrysene	21.61	228	708931	21.273	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	922545	24.639	ng/ul	97
25) Benzo(k)fluoranthene	23.69	252	922545	24.838	ng/ul	98
27) Benzo(a)pyrene	24.53	252	656163	19.089	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.18	276	441993	10.269	ng/ul	97
29) Dibenzo(a,h)anthracene	28.24	278	126607	3.628	ng/ul	99
30) Benzo(g,h,i)perylene	29.28	276	237666	6.598	ng/ul	98

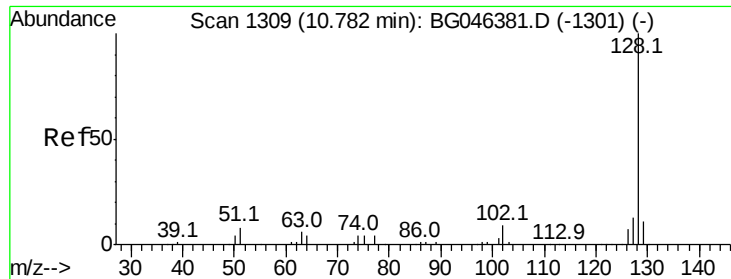
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 2.075 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

Instrument :

BNA_G

ClientSampleId :

BFMG3

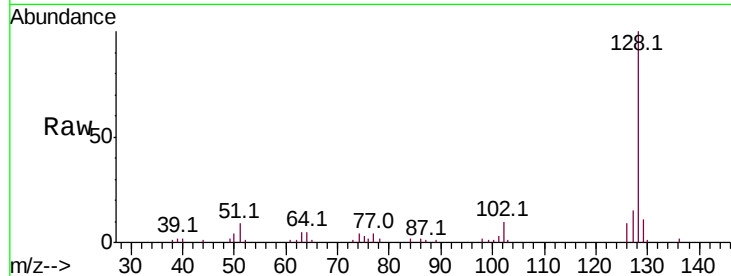
Tot Ion:128 Resp: 40291

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

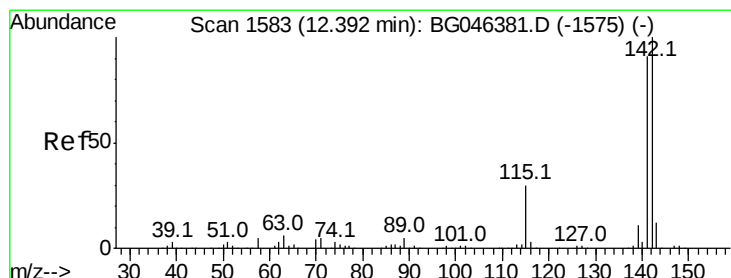
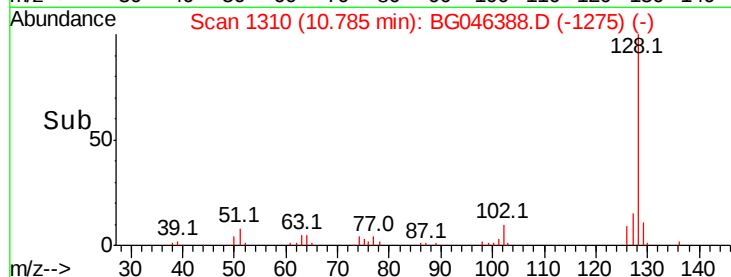
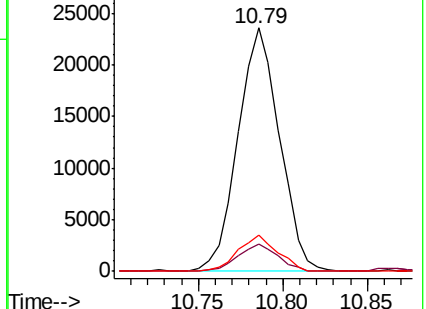
127 14.8 10.9 16.3



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: 1.248 ng/ul

RT: 12.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BG046388.D

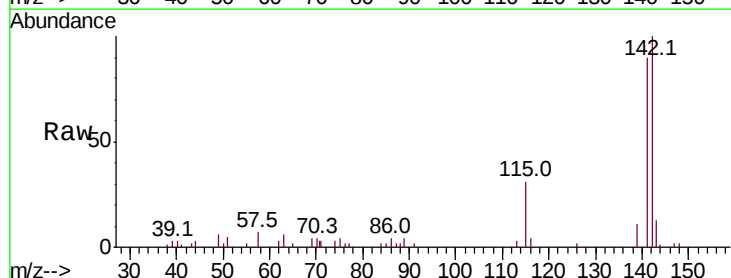
Acq: 20 Aug 2020 21:17

Tgt Ion:142 Resp: 18473

Ion Ratio Lower Upper

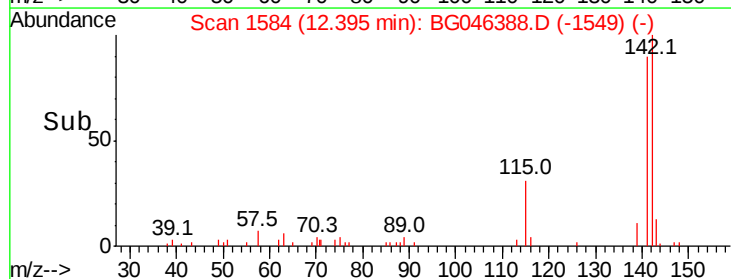
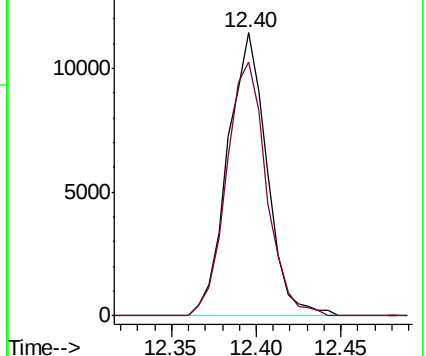
142 100

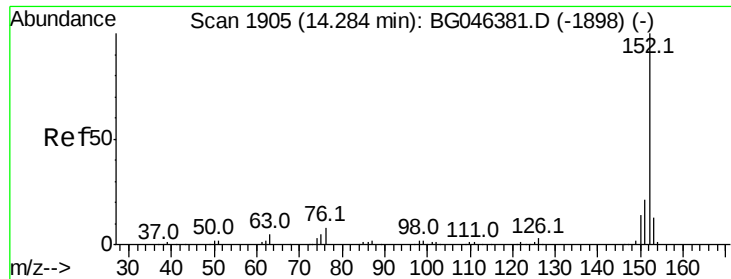
141 89.9 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.972 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. 0.01 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

Instrument :

BNA_G

ClientSampleId :

BFMG3

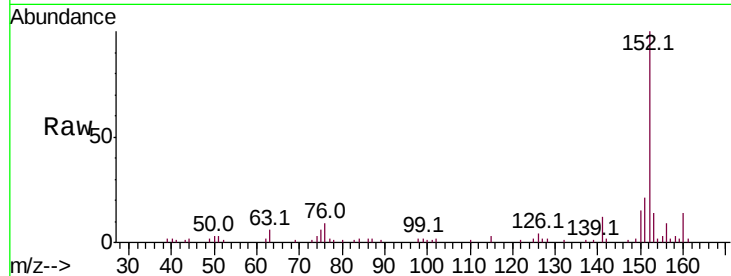
Tot Ion:152 Resp: 43044

Ion Ratio Lower Upper

152 100

151 21.1 16.5 24.7

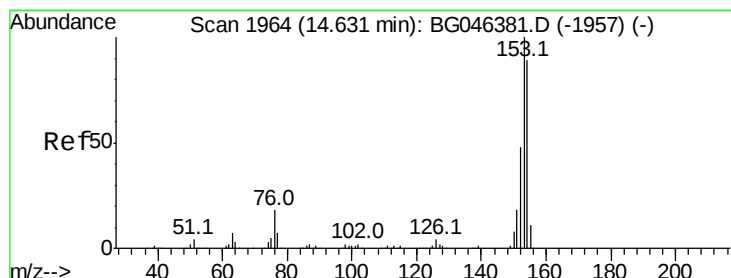
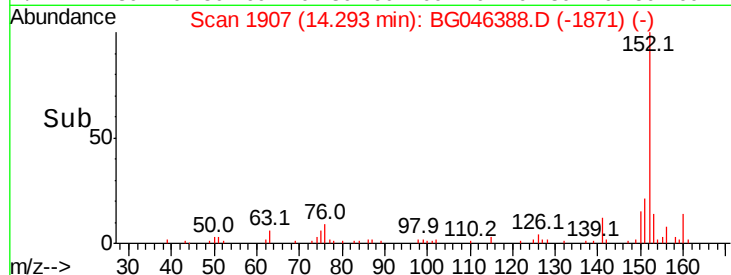
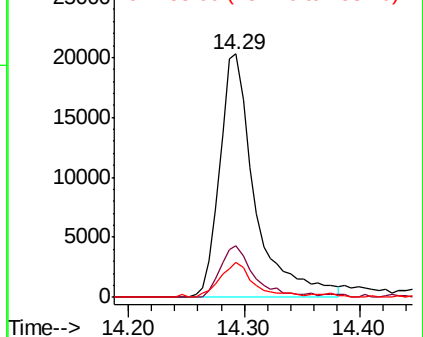
153 14.4 11.0 16.6



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: 1.855 ng/ul

RT: 14.63 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

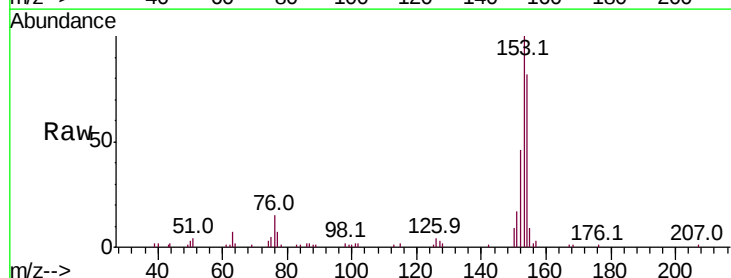
Tgt Ion:153 Resp: 28919

Ion Ratio Lower Upper

153 100

152 46.4 37.2 55.8

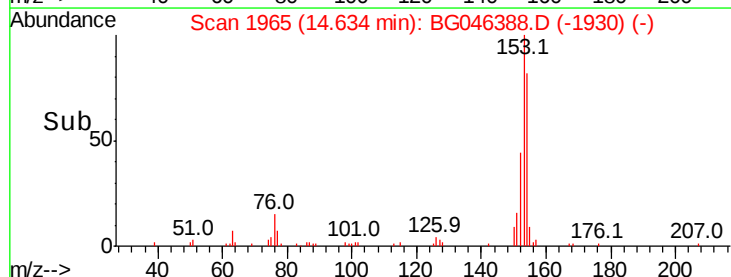
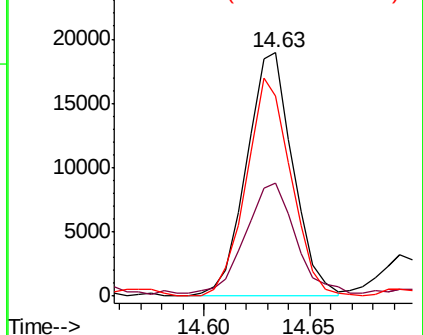
154 82.2 67.8 101.6

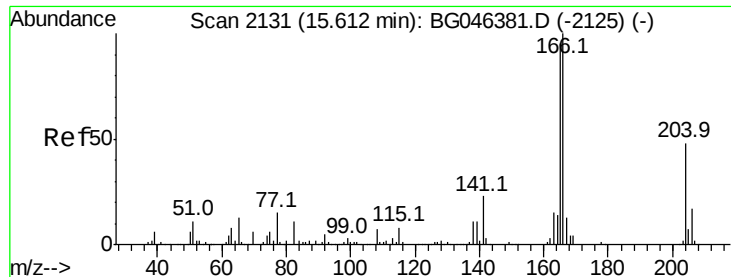


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

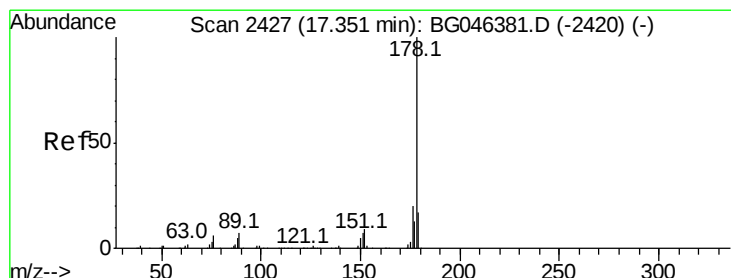
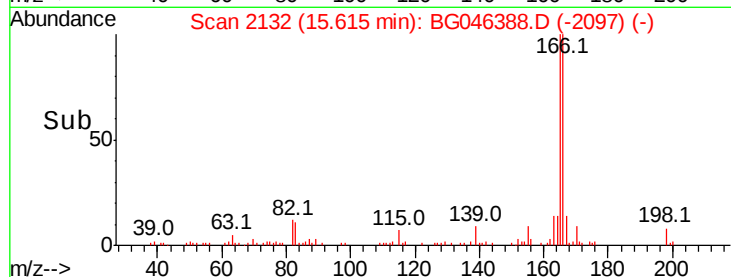
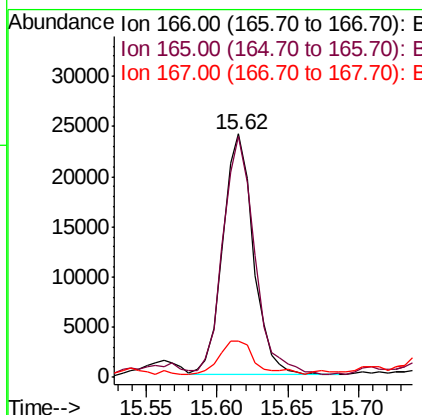
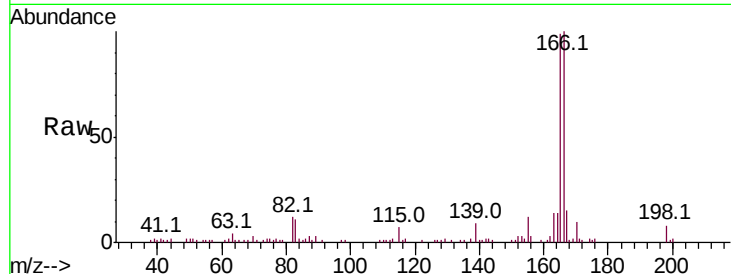




#11
Fluorene
Concen: 1.987 ng/ul
RT: 15.62 min Scan# 2132
Delta R.T. 0.00 min
Lab File: BG046388.D
Acq: 20 Aug 2020 21:17

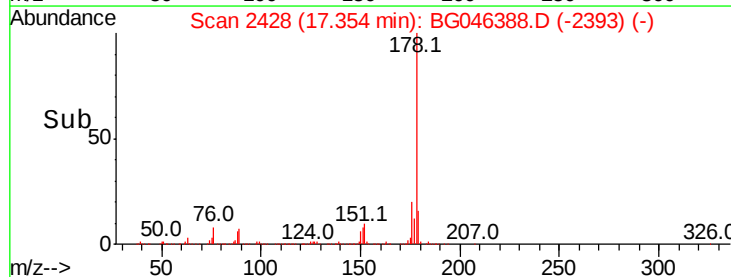
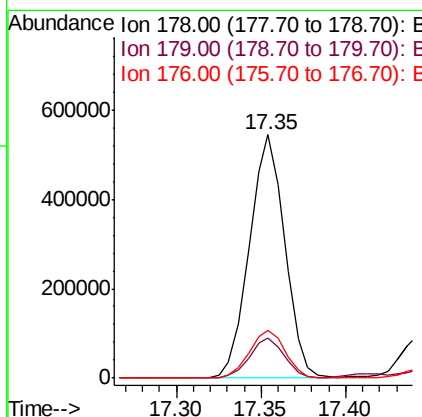
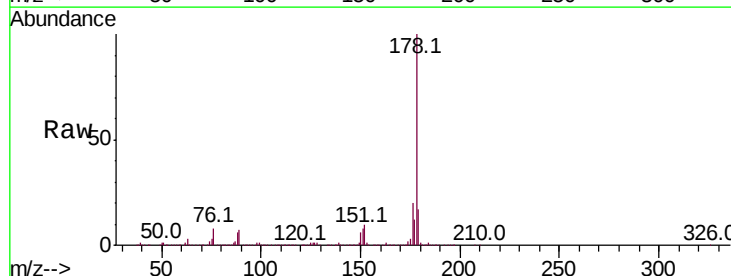
Instrument :
BNA_G
ClientSampleId :
BFMG3

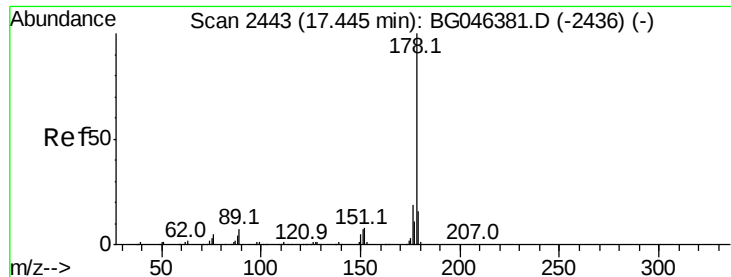
Tot Ion:166 Resp: 36214
Ion Ratio Lower Upper
166 100
165 99.0 75.9 113.9
167 15.1 10.7 16.1



#14
Phenanthrene
Concen: 27.902 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG046388.D
Acq: 20 Aug 2020 21:17

Tgt Ion:178 Resp: 793787
Ion Ratio Lower Upper
178 100
179 16.5 12.8 19.2
176 19.8 15.8 23.8

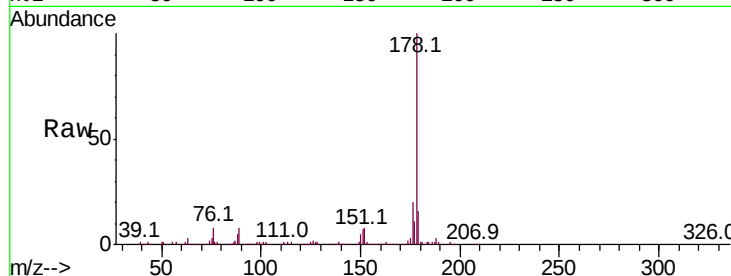




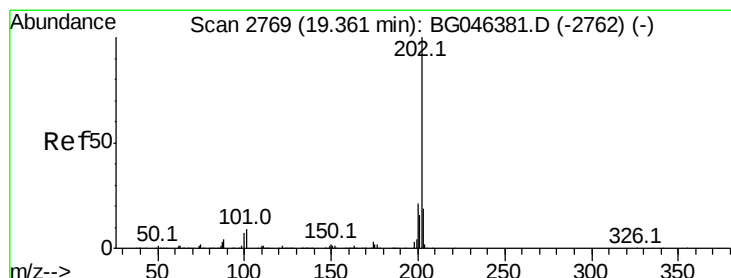
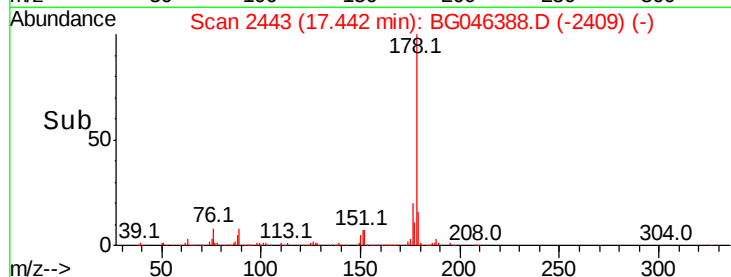
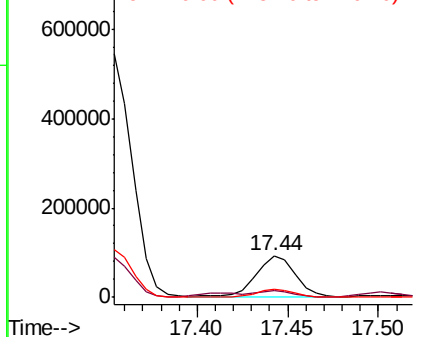
#16
 Anthracene
 Concen: 4.937 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG046388.D
 Acq: 20 Aug 2020 21:17

Instrument :
 BNA_G
 ClientSampleId :
 BFMG3

Tot Ion:178 Resp: 141727
 Ion Ratio Lower Upper
 178 100
 179 16.3 13.2 19.8
 176 20.2 15.2 22.8

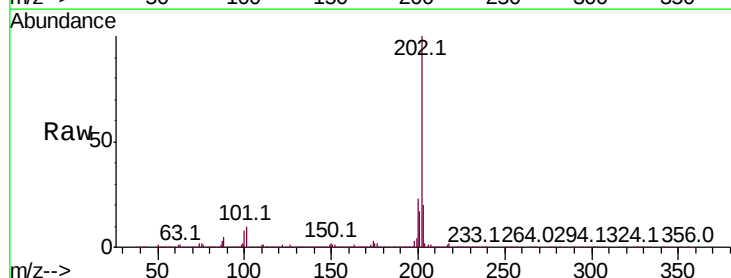


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

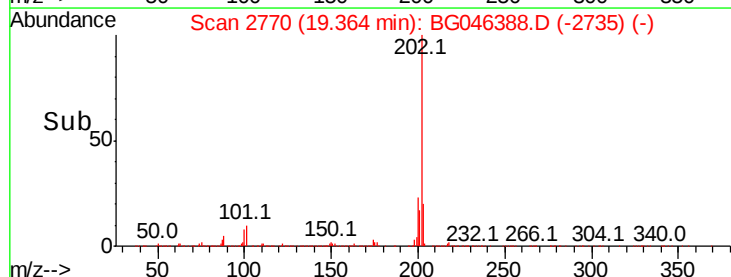
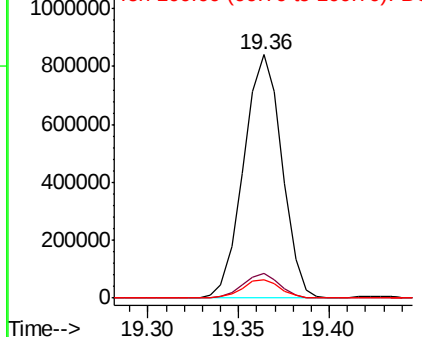


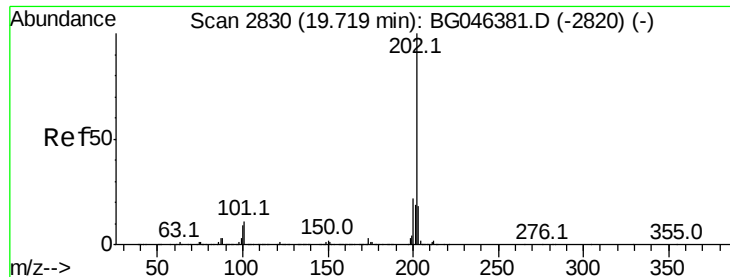
#17
 Fluoranthene
 Concen: 38.841 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046388.D
 Acq: 20 Aug 2020 21:17

Tgt Ion:202 Resp: 1232104
 Ion Ratio Lower Upper
 202 100
 101 10.0 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): B

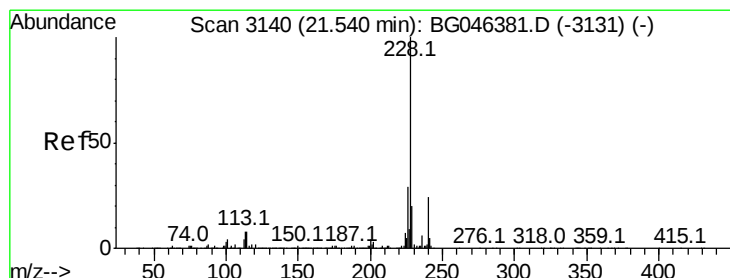
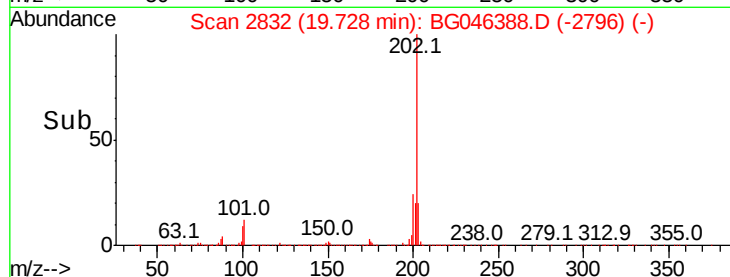
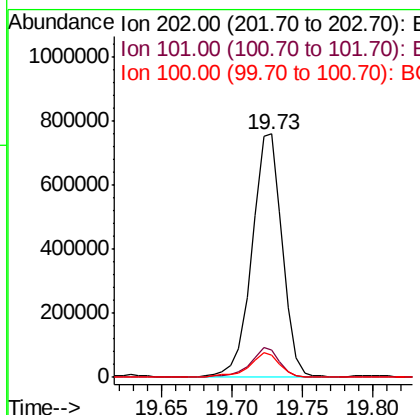
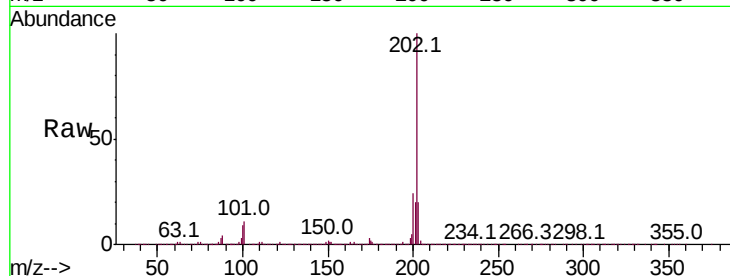




#20
Pvrene
Concen: 32.609 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.01 min
Lab File: BG046388.D
Acq: 20 Aug 2020 21:17

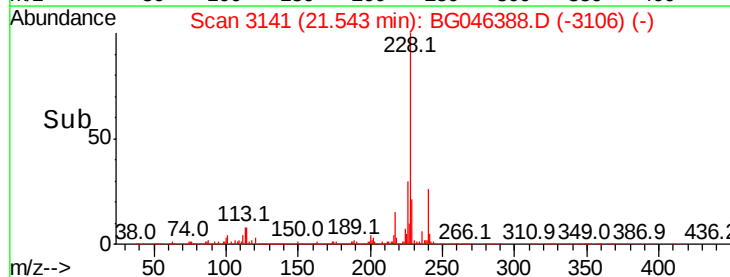
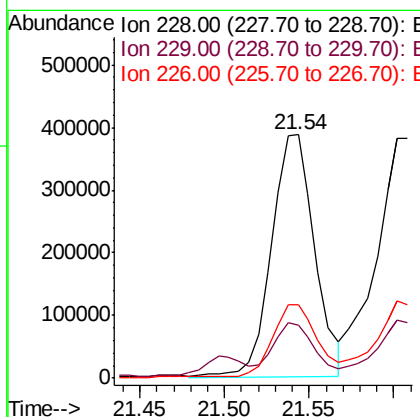
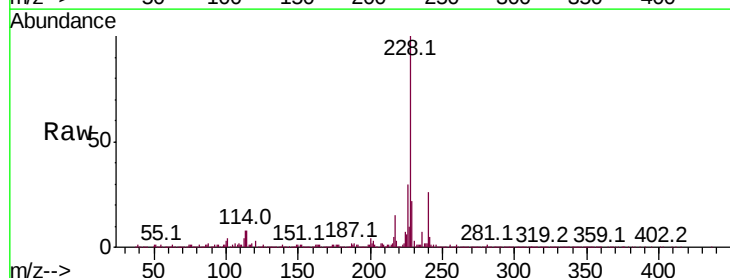
Instrument :
BNA_G
ClientSampleId :
BFMG3

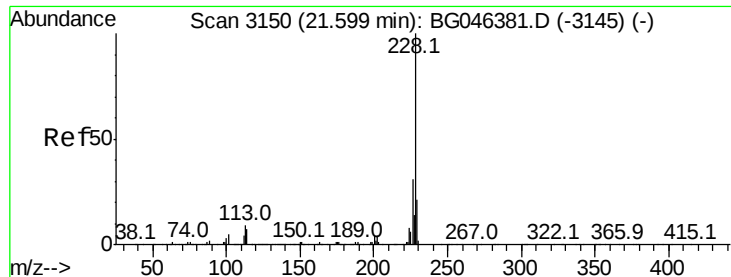
Tot Ion:202 Resp: 1134085
Ion Ratio Lower Upper
202 100
101 11.5 8.9 13.3
100 9.2 7.9 11.9



#21
Benzo(a)anthracene
Concen: 19.895 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG046388.D
Acq: 20 Aug 2020 21:17

Tgt Ion:228 Resp: 685829
Ion Ratio Lower Upper
228 100
229 21.8 16.6 25.0
226 30.3 22.6 33.8





#22

Chrysene

Concen: 21.273 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

Instrument :

BNA_G

ClientSampleId :

BFMG3

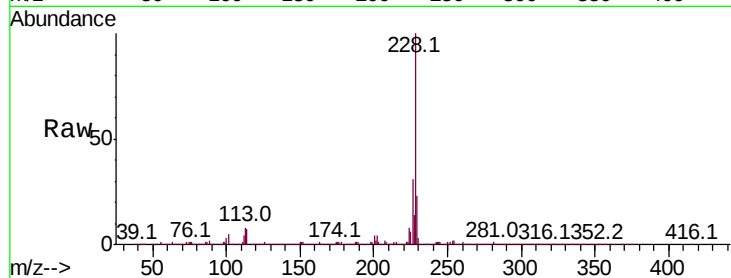
Tot Ion:228 Resp: 708931

Ion Ratio Lower Upper

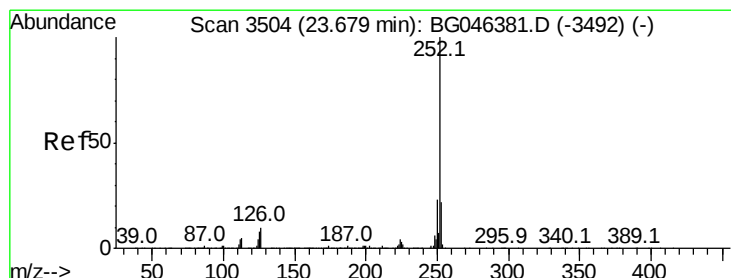
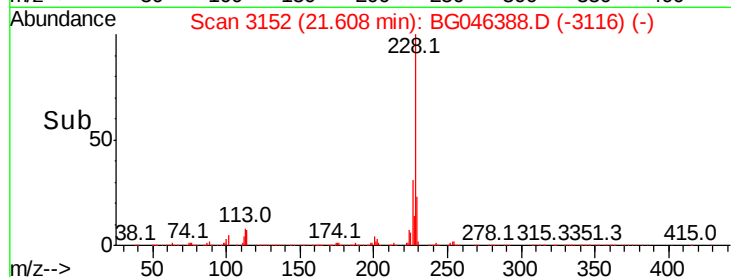
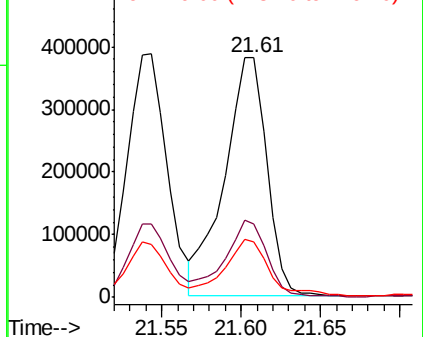
228 100

226 30.7 25.5 38.3

229 23.3 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: 24.639 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. 0.01 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

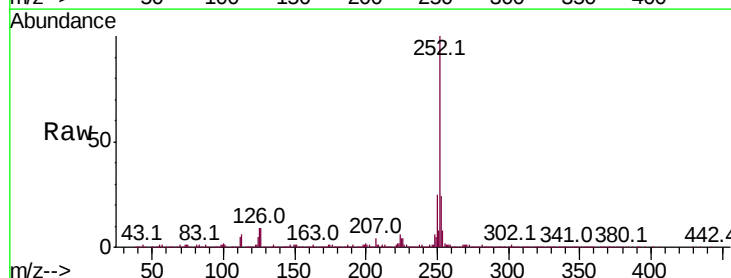
Tgt Ion:252 Resp: 922545

Ion Ratio Lower Upper

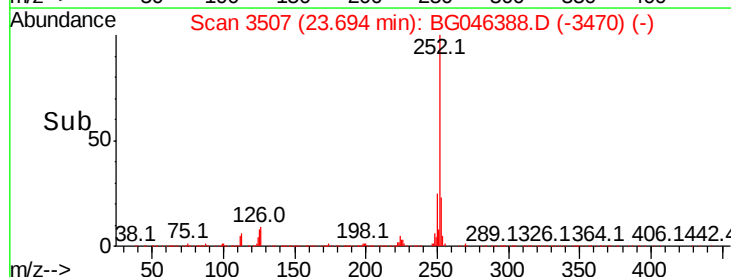
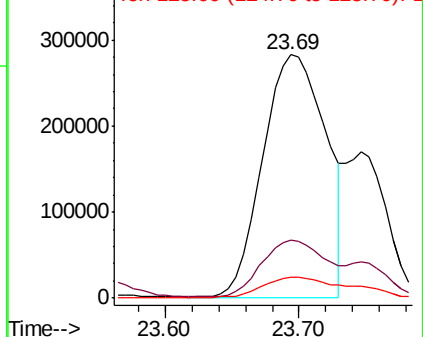
252 100

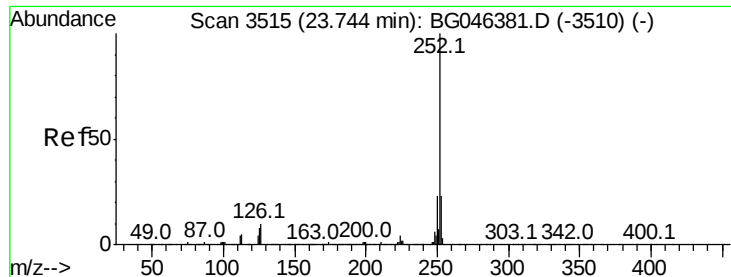
253 23.7 17.8 26.6

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: 24.838 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. -0.05 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

Instrument :

BNA_G

ClientSampleId :

BFMG3

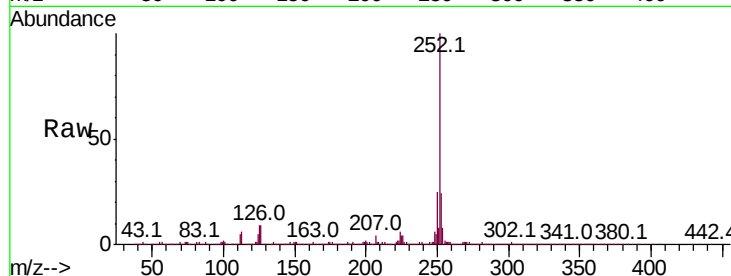
Tot Ion:252 Resp: 922545

Ion Ratio Lower Upper

252 100

253 23.7 18.5 27.7

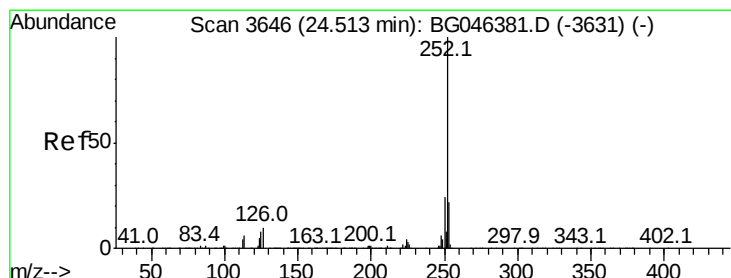
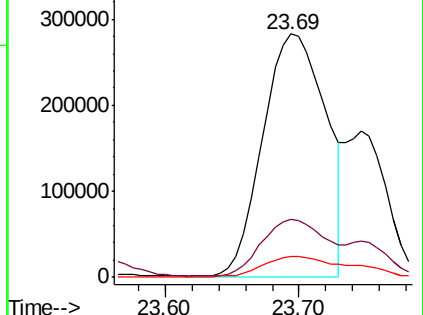
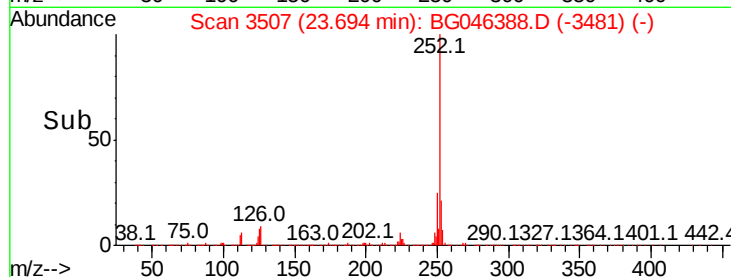
125 8.7 6.2 9.2



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: 19.089 ng/ul

RT: 24.53 min Scan# 3649

Delta R.T. 0.01 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

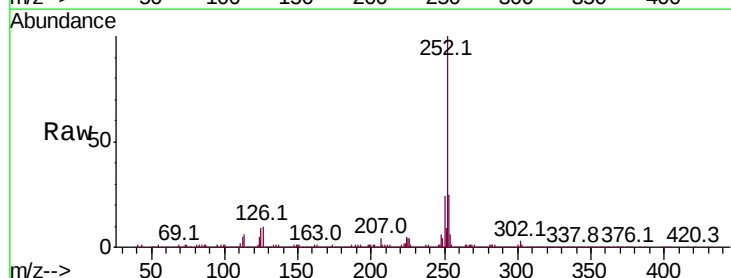
Tgt Ion:252 Resp: 656163

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

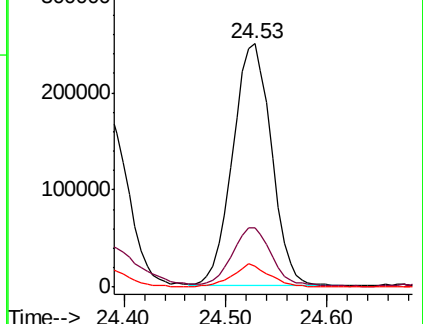
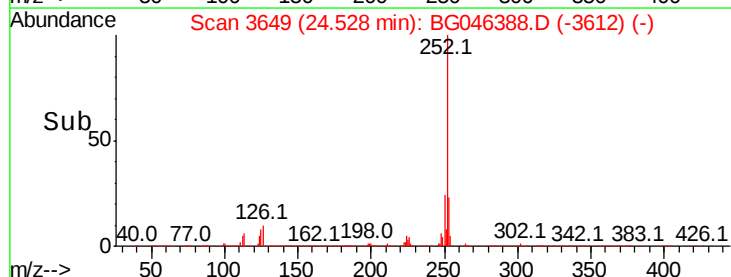
125 8.5 7.1 10.7

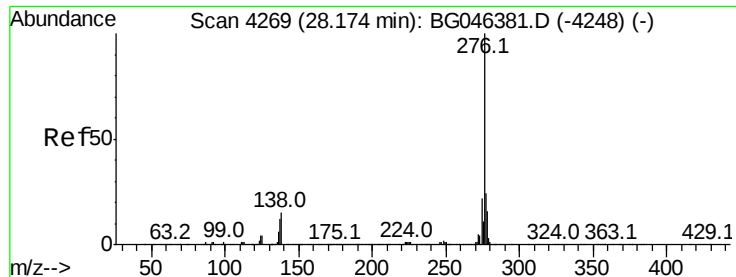


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



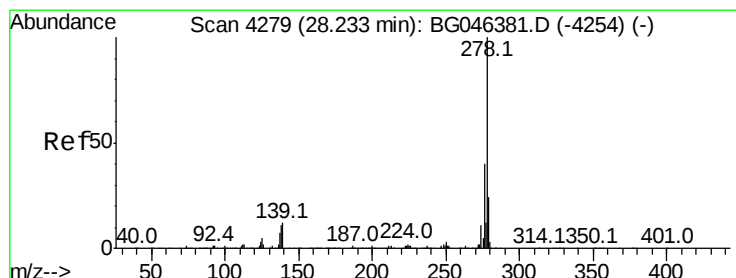
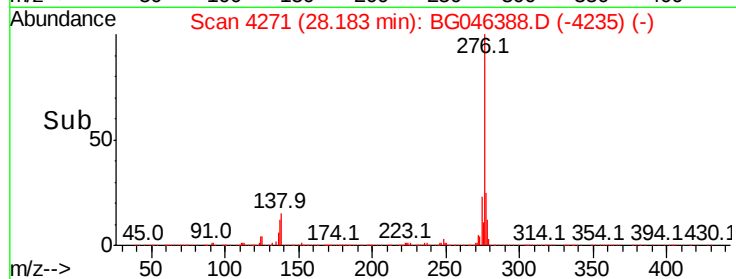
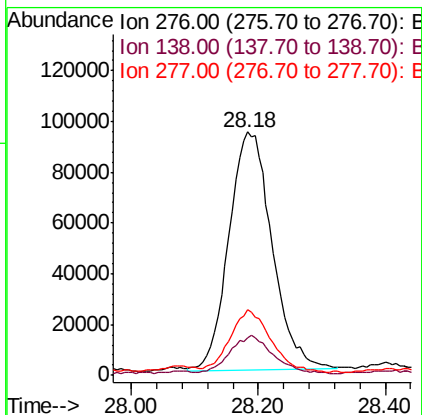
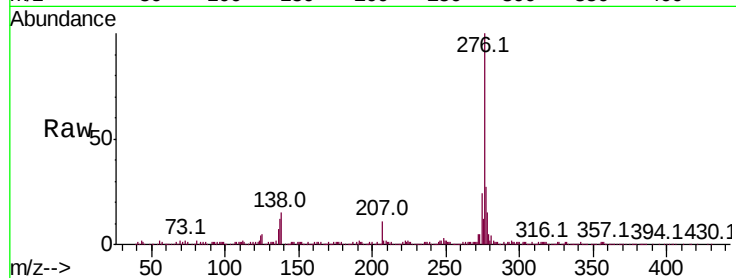


#28

Indeno(1,2,3-cd)pyrene
Concen: 10.269 ng/uL
RT: 28.18 min Scan# 4271
Delta R.T. 0.01 min
Lab File: BG046388.D
Acq: 20 Aug 2020 21:17

Instrument :
BNA_G
ClientSampleId :
BFMG3

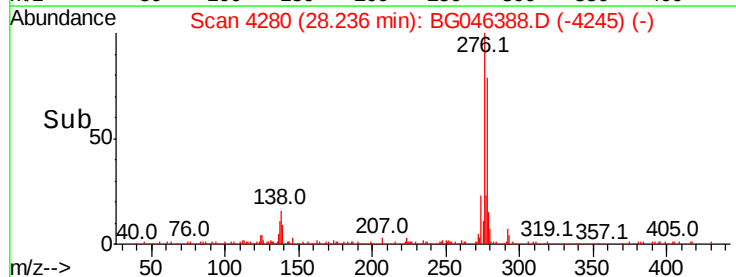
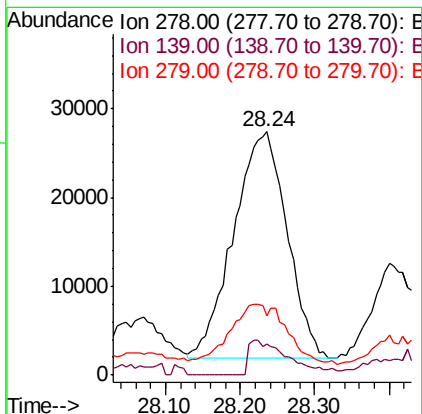
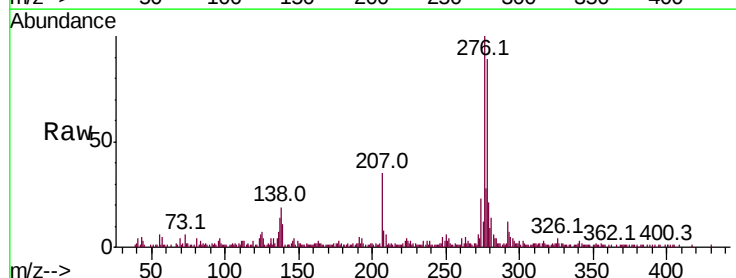
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.3	13.2	19.8
277	26.8	19.9	29.9

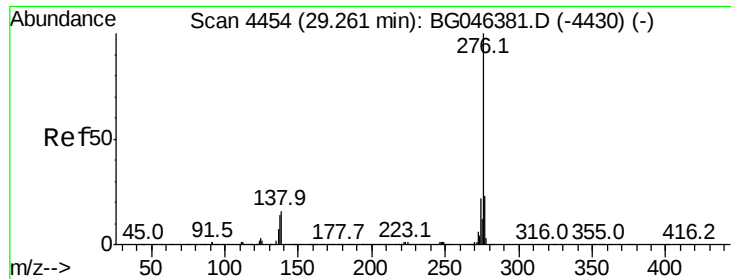


#29

Dibenzo(a,h)anthracene
Concen: 3.628 ng/uL
RT: 28.24 min Scan# 4280
Delta R.T. 0.00 min
Lab File: BG046388.D
Acq: 20 Aug 2020 21:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.7	9.8	14.8
279	24.1	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 6.598 ng/ul

RT: 29.28 min Scan# 4457

Delta R.T. 0.01 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

Instrument :

BNA_G

ClientSampleId :

BFMG3

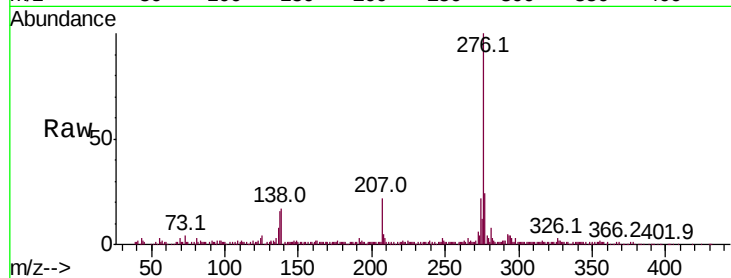
Tot Ion:276 Resp: 237666

Ion Ratio Lower Upper

276 100

138 17.4 12.9 19.3

277 23.6 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

