

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046363.D
 Acq On : 20 Aug 2020 3:28
 Operator : CG/JU
 Sample : L3633-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMA5

Quant Time: Aug 20 04:07:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 04:05:44 2020
 Response via : Initial Calibration

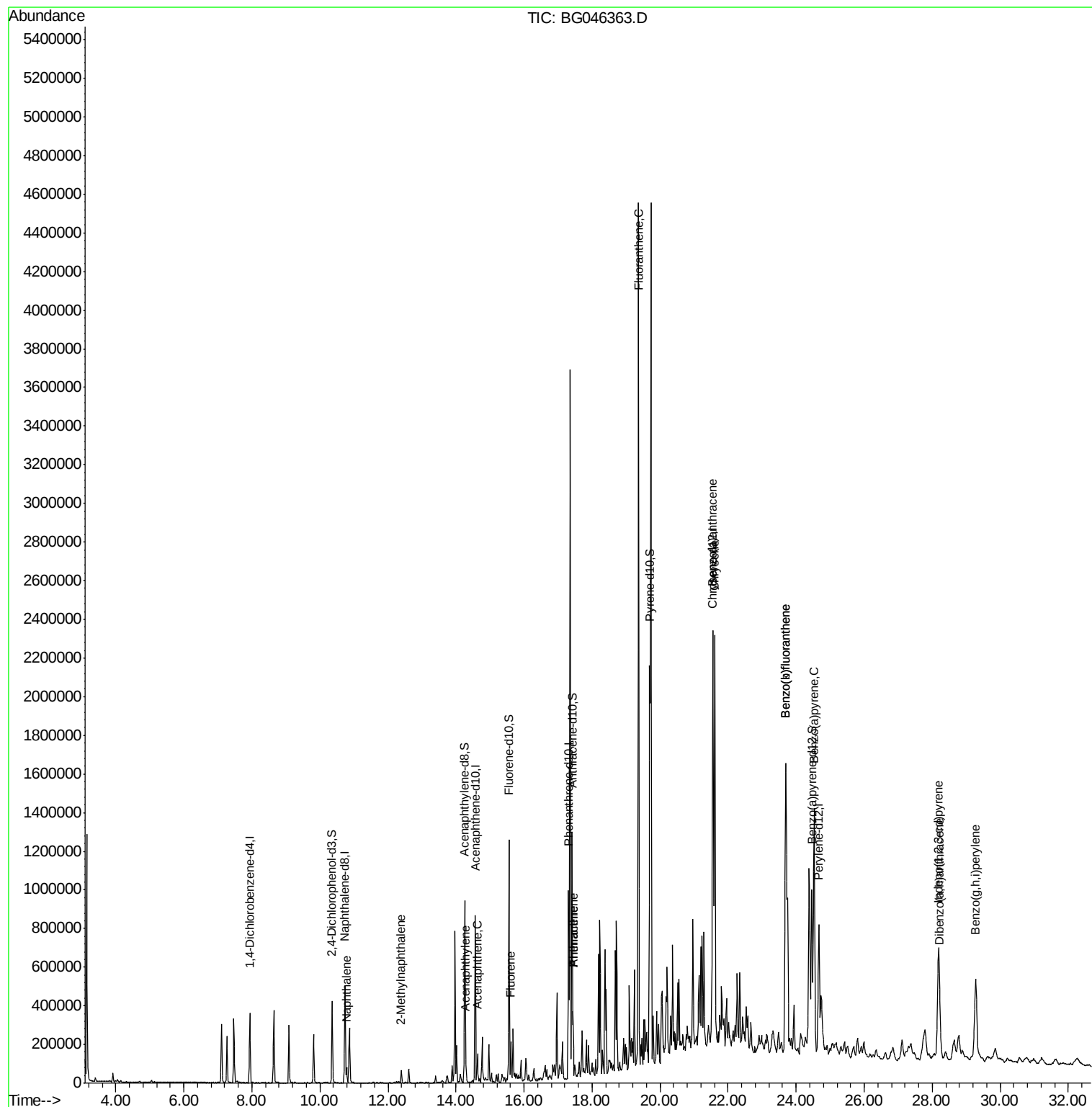
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	111170	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	454551	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.56	164	298575	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	653678	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	646115	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	704817	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	186253	23.80	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	676132	24.61	ng/ul	0.00
10) Fluorene-d10	15.56	176	510646	24.25	ng/ul	0.00
15) Anthracene-d10	17.41	188	714007	23.56	ng/ul	0.00
19) Pyrene-d10	19.69	212	832551	25.03	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	949022	24.67	ng/ul	0.01
Target Compounds				Qvalue		
4) Naphthalene	10.79	128	71327	3.017	ng/ul	99
5) 2-Methylnaphthalene	12.39	142	34922	1.938	ng/ul	99
8) Acenaphthylene	14.29	152	77607	2.778	ng/ul	98
9) Acenaphthene	14.63	153	65476	3.282	ng/ul	99
11) Fluorene	15.61	166	84546	3.625	ng/ul	98
14) Phenanthrene	17.44	178	242470	6.743	ng/ul	100
16) Anthracene	17.44	178	243069	6.699	ng/ul	99
17) Fluoranthene	19.36	202	2690564	67.099	ng/ul#	91
21) Benzo(a)anthracene	21.54	228	1114241	26.505	ng/ul	92
22) Chrysene	21.60	228	1528376	37.609	ng/ul	95
24) Benzo(b)fluoranthene	23.70	252	1929570	41.400	ng/ul	96
25) Benzo(k)fluoranthene	23.70	252	1929570	41.734	ng/ul	97
27) Benzo(a)pyrene	24.53	252	1290284	30.154	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.19	276	1015308	18.950	ng/ul	99
29) Dibenzo(a,h)anthracene	28.23	278	221325	5.095	ng/ul	97
30) Benzo(g,h,i)perylene	29.28	276	841769	18.773	ng/ul	99

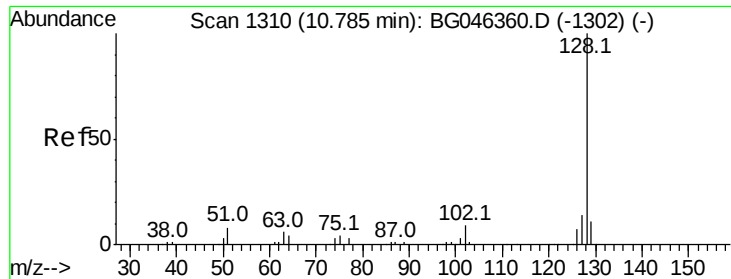
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 20 04:05:44 2020
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#4

Naphthalene

Concen: 3.017 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

Instrument :

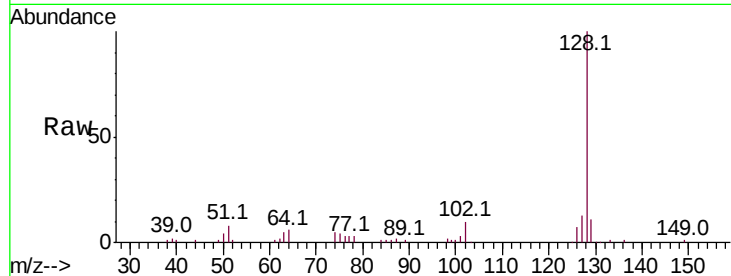
BNA_G

ClientSampleId :

BFMA5

Tot Ion:128 Resp: 71327

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	13.2	10.9	16.3

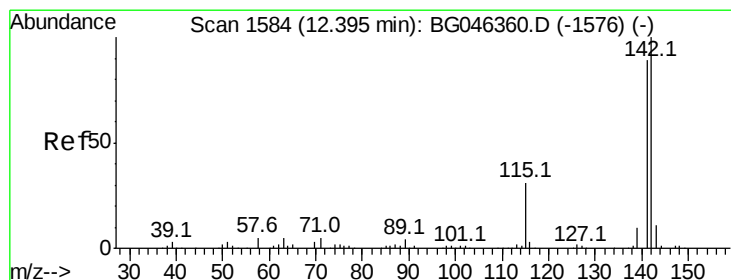
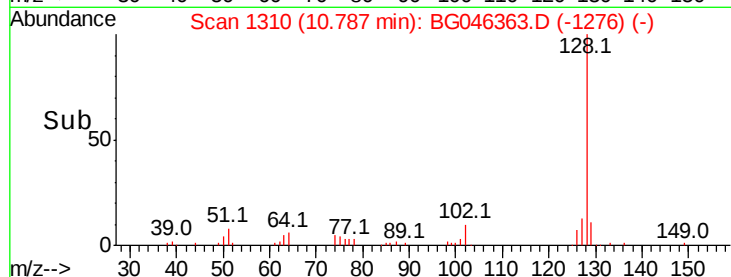
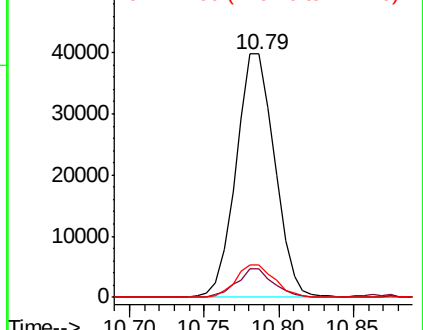


Abundance

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: 1.938 ng/ul

RT: 12.39 min Scan# 1583

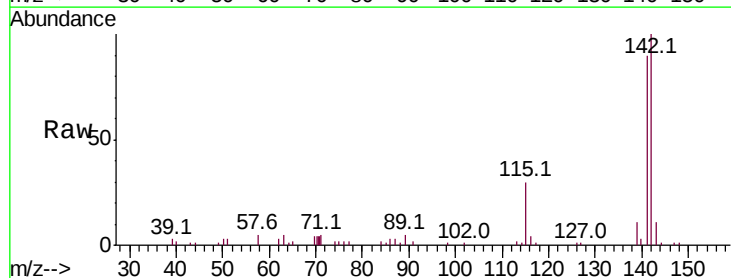
Delta R.T. -0.00 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

Tgt Ion:142 Resp: 34922

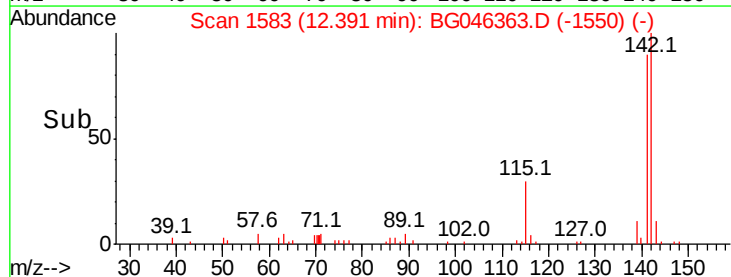
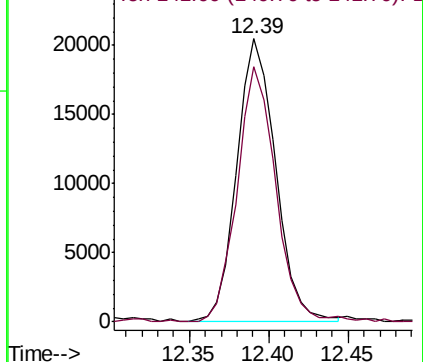
Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.5	108.7

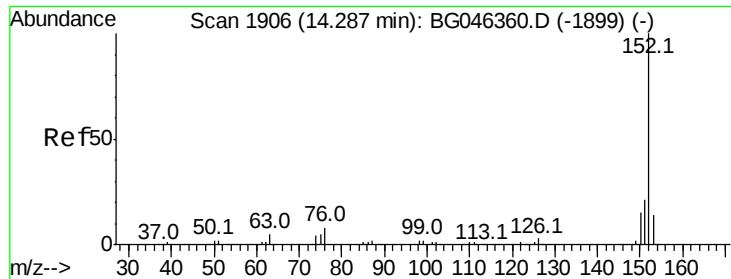


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 2.778 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

Instrument :

BNA_G

ClientSampleId :

BFMA5

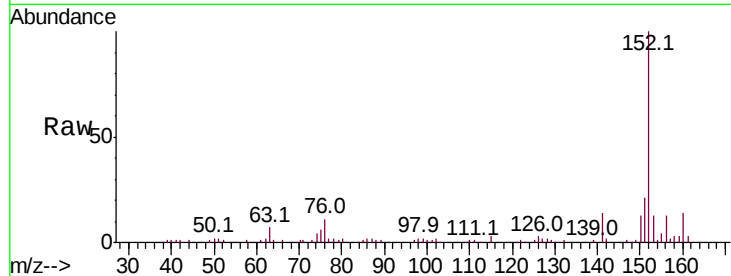
Tot Ion:152 Resp: 77607

Ion Ratio Lower Upper

152 100

151 20.8 16.5 24.7

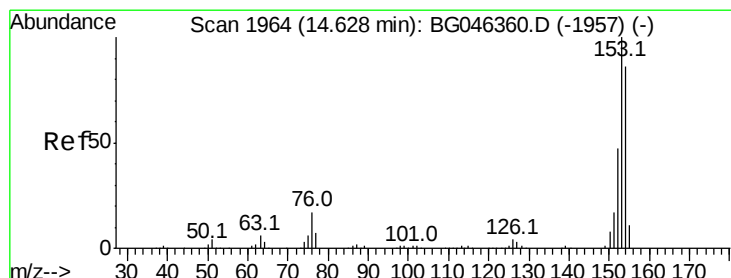
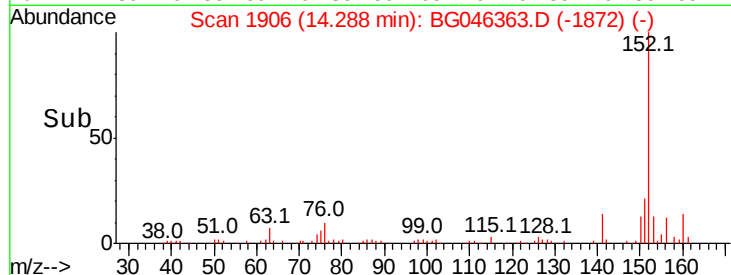
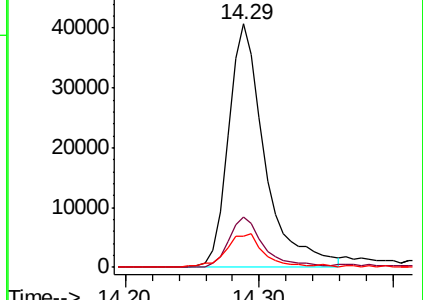
153 12.6 11.0 16.6



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: 3.282 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. 0.00 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

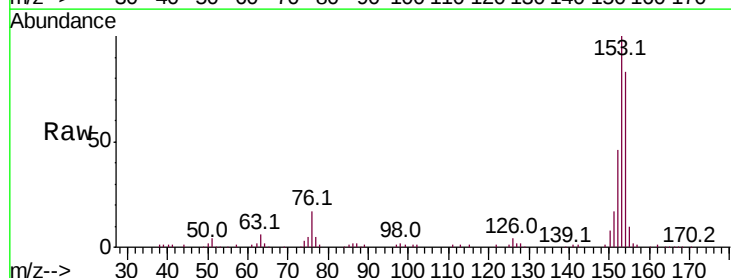
Tgt Ion:153 Resp: 65476

Ion Ratio Lower Upper

153 100

152 45.9 37.2 55.8

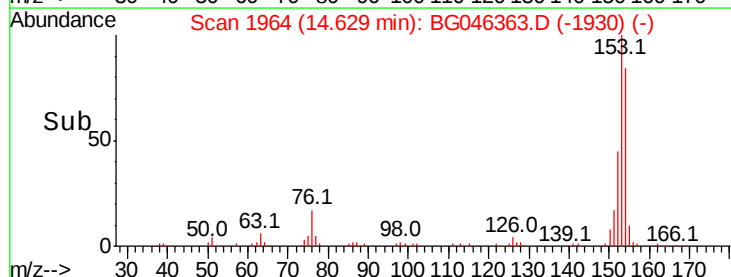
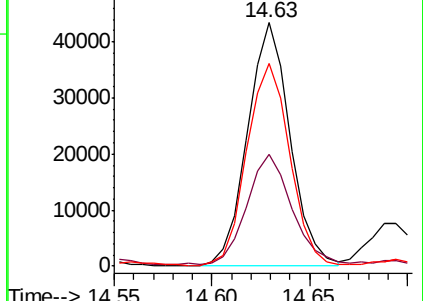
154 83.4 67.8 101.6

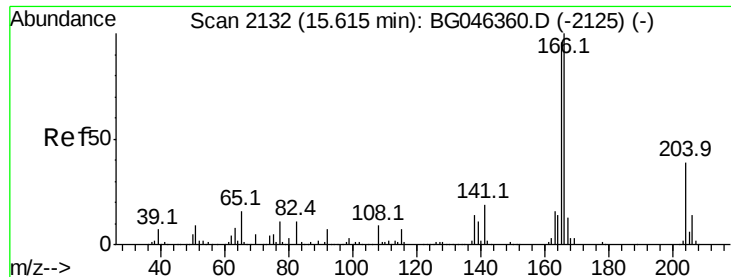


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

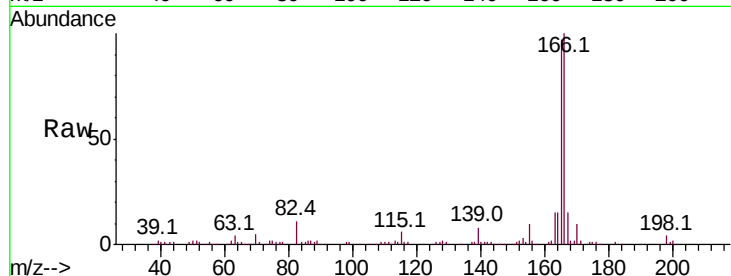




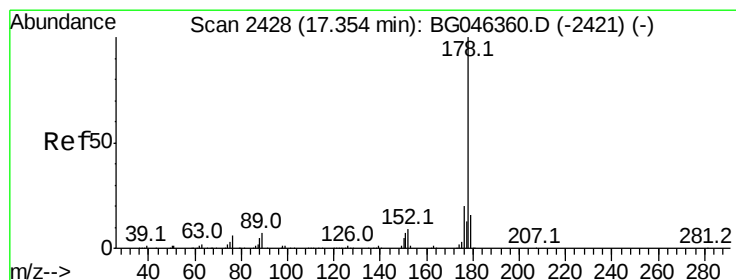
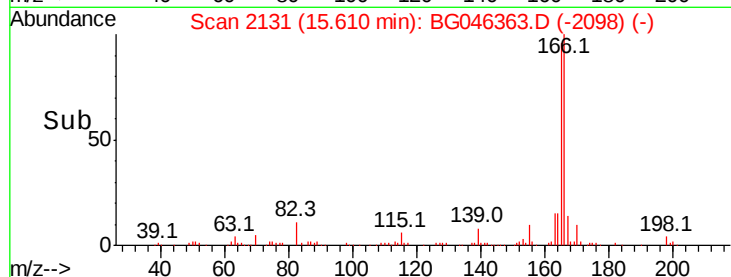
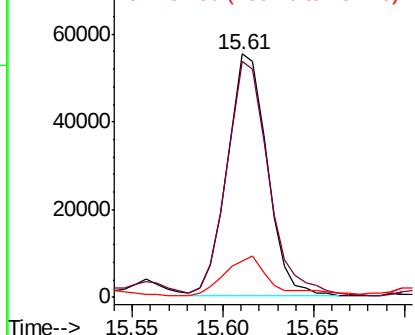
#11
Fluorene
 Concen: 3.625 ng/ul
 RT: 15.61 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: BG046363.D
 Acq: 20 Aug 2020 3:28

Instrument :
 BNA_G
 ClientSampleId :
 BFMA5

Tot Ion:166 Resp: 84546
 Ion Ratio Lower Upper
 166 100
 165 96.8 75.9 113.9
 167 15.1 10.7 16.1

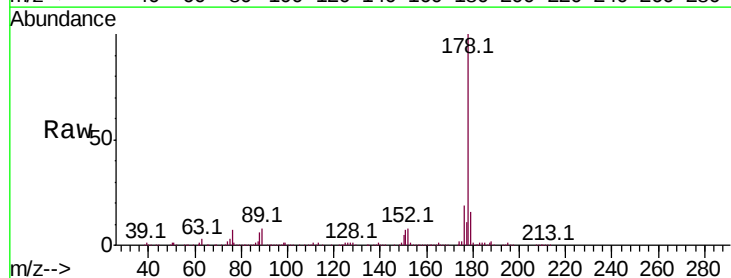


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

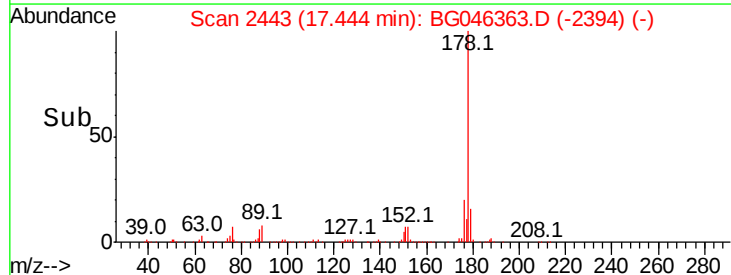
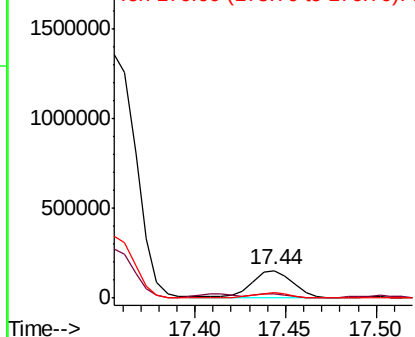


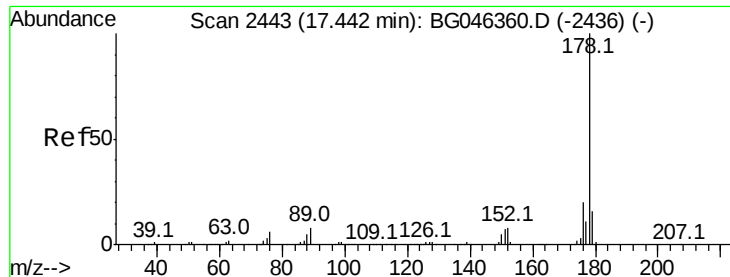
#14
Phenanthrene
 Concen: 6.743 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.09 min
 Lab File: BG046363.D
 Acq: 20 Aug 2020 3:28

Tgt Ion:178 Resp: 242470
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.8 19.2
 176 19.4 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: 6.699 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

Instrument :

BNA_G

ClientSampleId :

BFMA5

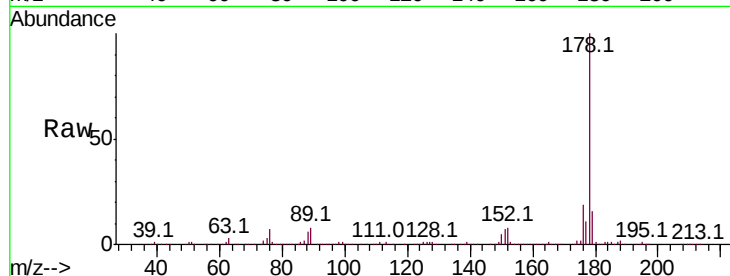
Tot Ion:178 Resp: 243069

Ion Ratio Lower Upper

178 100

179 16.0 13.2 19.8

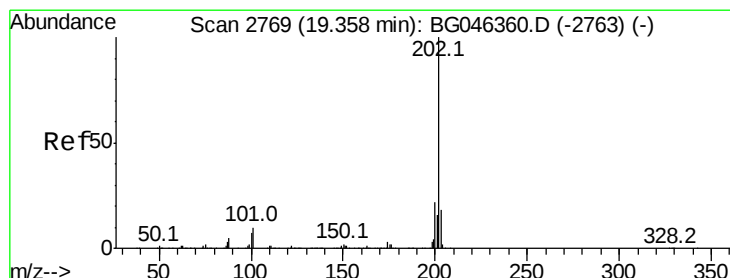
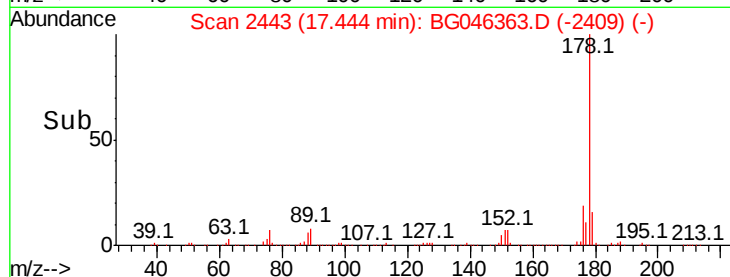
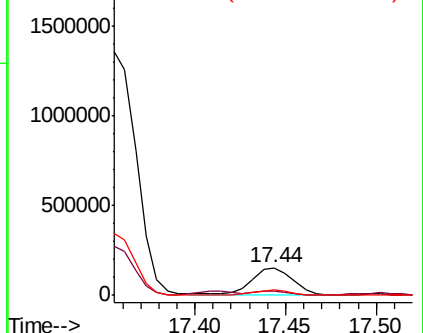
176 19.4 15.2 22.8



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: 67.099 ng/ul

RT: 19.36 min Scan# 2770

Delta R.T. 0.01 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

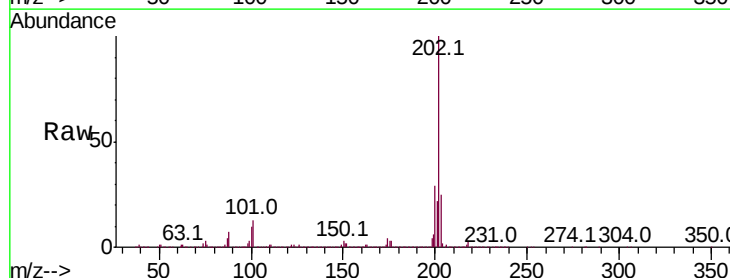
Tgt Ion:202 Resp: 2690564

Ion Ratio Lower Upper

202 100

101 13.3 7.8 11.6#

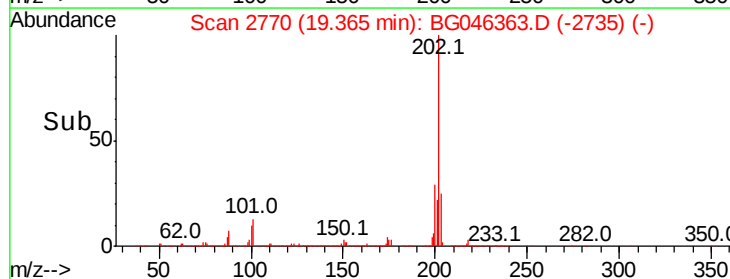
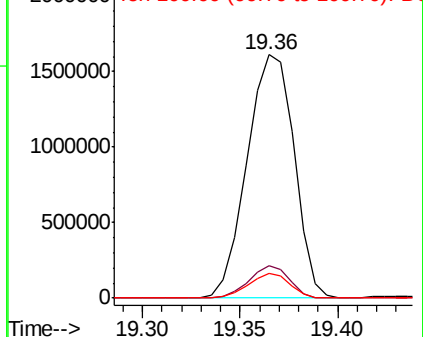
100 10.3 5.9 8.9#

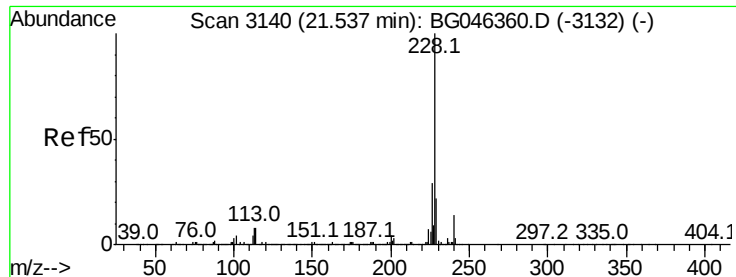


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 26.505 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. 0.00 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

Instrument :

BNA_G

ClientSampleId :

BFMA5

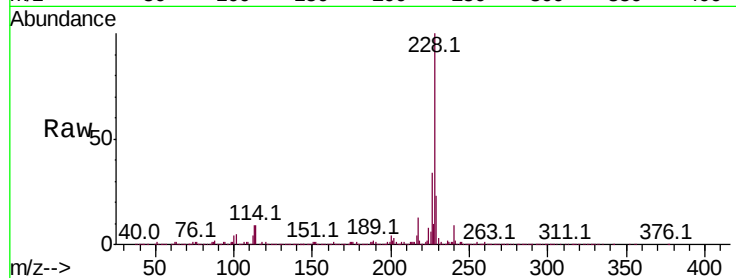
Tot Ion:228 Resp: 1114241

Ion	Ratio	Lower	Upper
228	100		
229	23.0	16.6	25.0
226	33.7	22.6	33.8

228 100

229 23.0 16.6 25.0

226 33.7 22.6 33.8

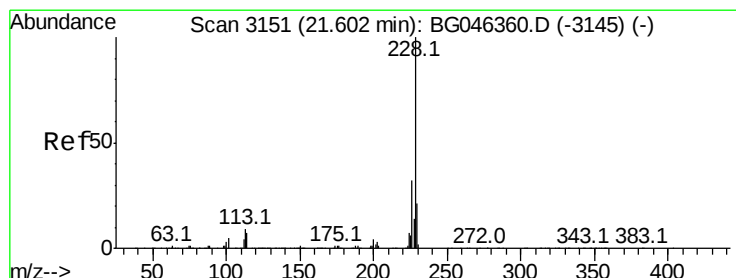
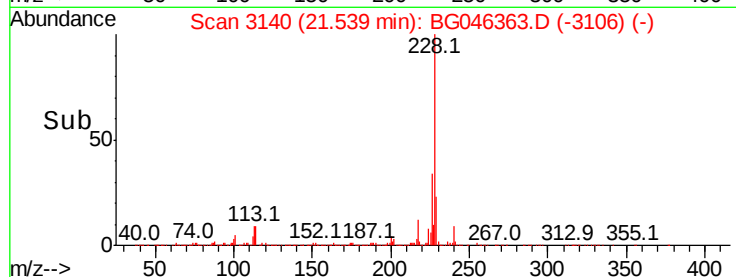
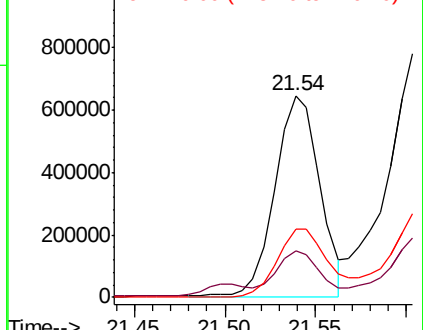


Abundance

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: 37.609 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

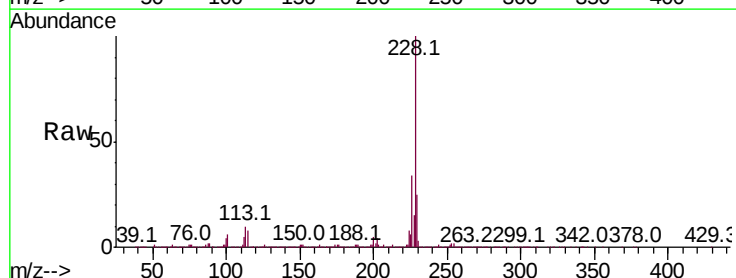
Tgt Ion:228 Resp: 1528376

Ion	Ratio	Lower	Upper
228	100		
226	34.2	25.5	38.3
229	24.6	17.0	25.4

228 100

226 34.2 25.5 38.3

229 24.6 17.0 25.4

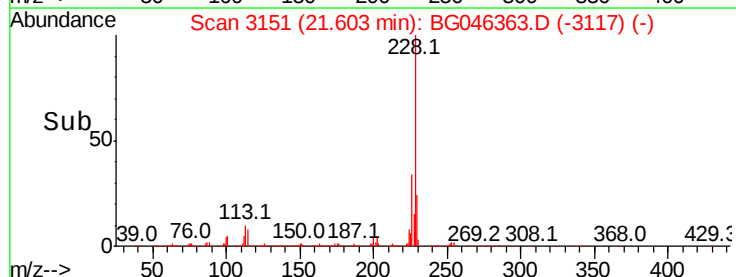
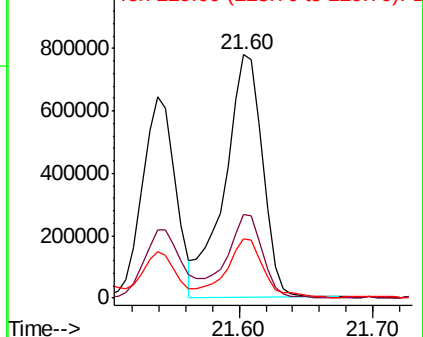


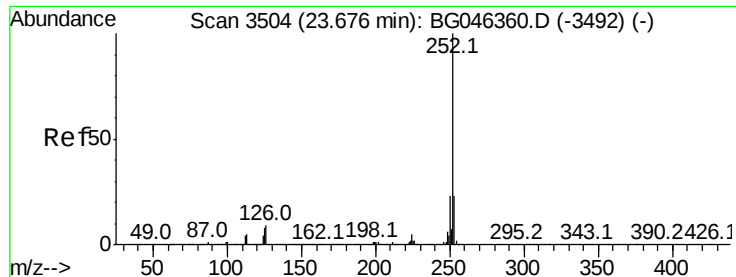
Abundance

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

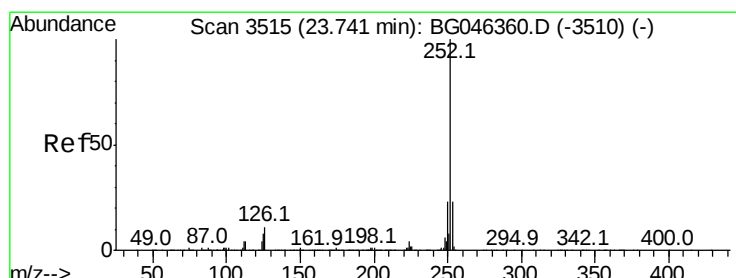
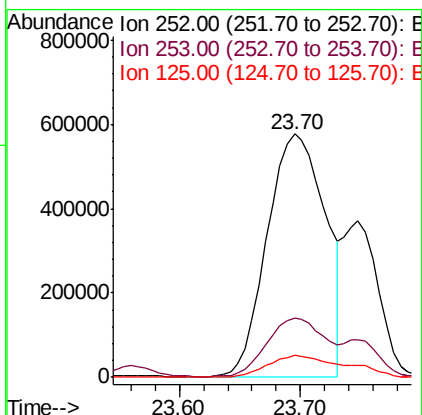
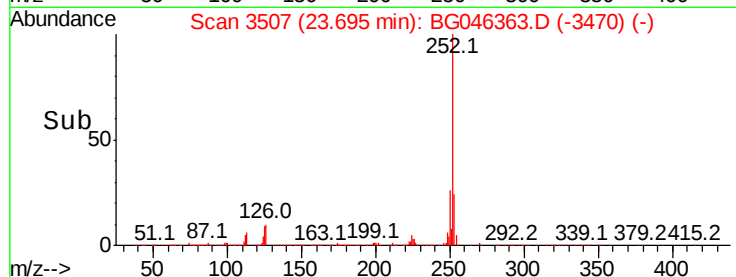
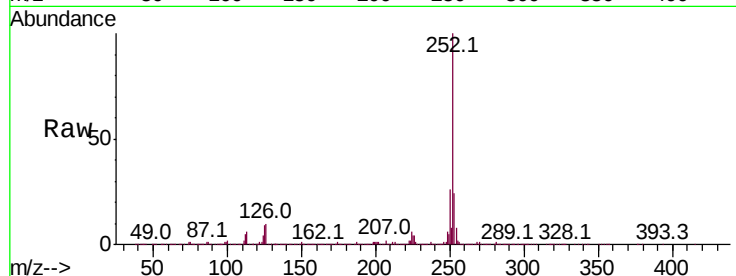




#24
Benzo(b)fluoranthene
Concen: 41.400 ng/ul
RT: 23.70 min Scan# 3507
Delta R.T. 0.02 min
Lab File: BG046363.D
Acq: 20 Aug 2020 3:28

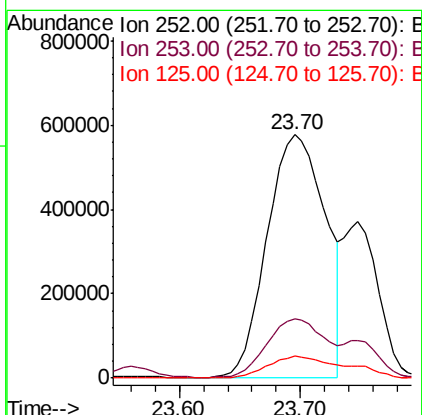
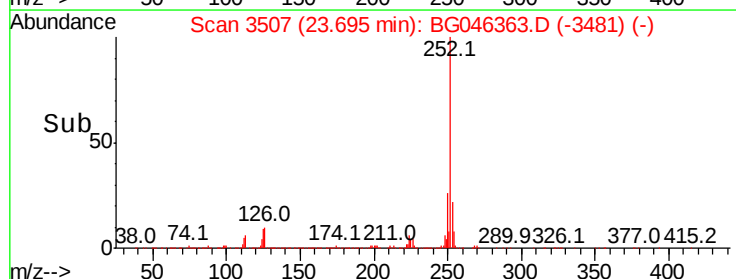
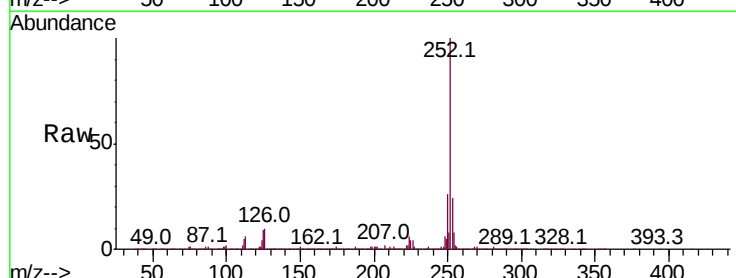
Instrument :
BNA_G
ClientSampleId :
BFMA5

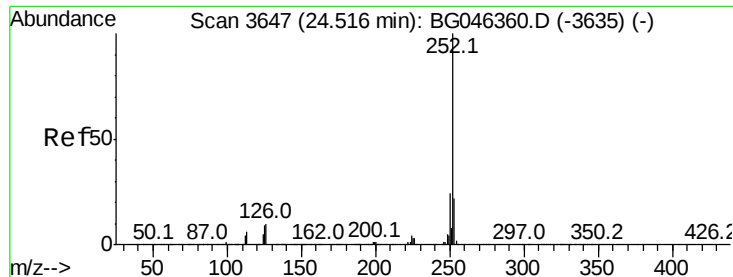
Tot Ion:252 Resp: 1929570
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 9.1 6.4 9.6



#25
Benzo(k)fluoranthene
Concen: 41.734 ng/ul
RT: 23.70 min Scan# 3507
Delta R.T. -0.05 min
Lab File: BG046363.D
Acq: 20 Aug 2020 3:28

Tgt Ion:252 Resp: 1929570
Ion Ratio Lower Upper
252 100
253 24.3 18.5 27.7
125 9.1 6.2 9.2





#27

Benzo(a)pyrene

Concen: 30.154 ng/ul

RT: 24.53 min Scan# 3649

Delta R.T. 0.01 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

Instrument :

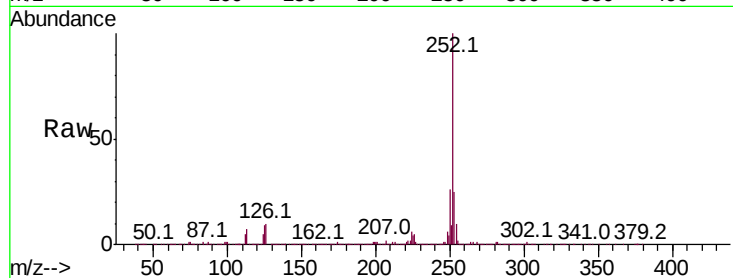
BNA_G

ClientSampleId :

BFMA5

Tot Ion:252 Resp: 1290284

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	8.6	7.1	10.7

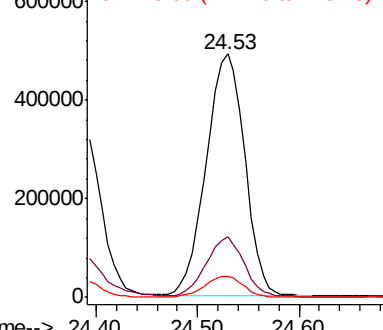


Abundance

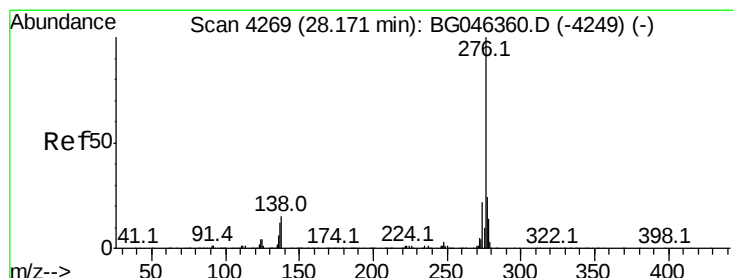
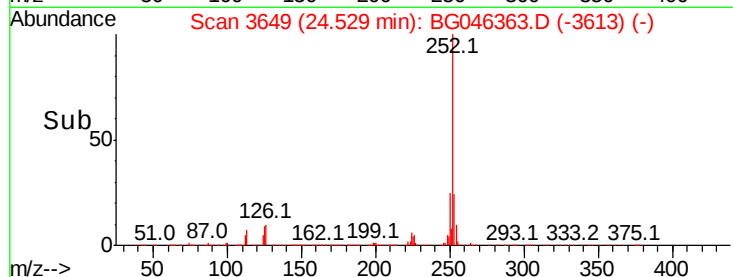
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#28

Indeno(1,2,3-cd)pyrene

Concen: 18.950 ng/ul

RT: 28.19 min Scan# 4272

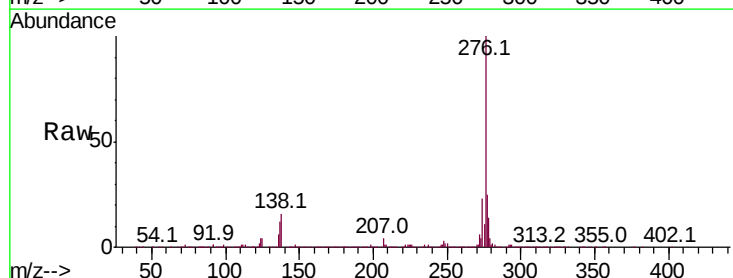
Delta R.T. 0.02 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

Tgt Ion:276 Resp: 1015308

Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.2	19.8
277	25.2	19.9	29.9

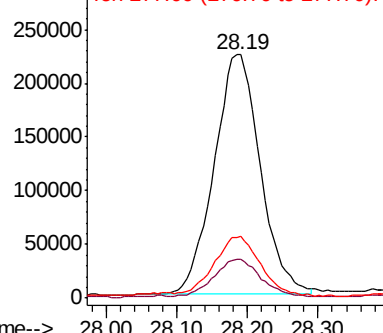


Abundance

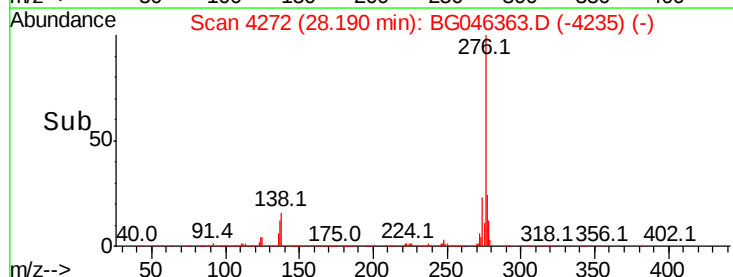
Ion 276.00 (275.70 to 276.70): E

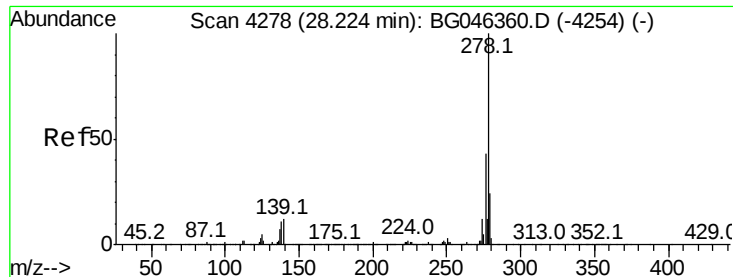
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->





#29

Dibenzo(a,h)anthracene

Concen: 5.095 ng/ul

RT: 28.23 min Scan# 4278

Delta R.T. 0.00 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

Instrument :

BNA_G

ClientSampleId :

BFMA5

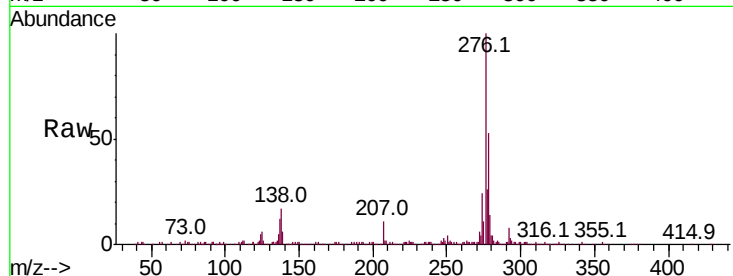
Tot Ion:278 Resp: 221325

Ion Ratio Lower Upper

278 100

139 11.0 9.8 14.8

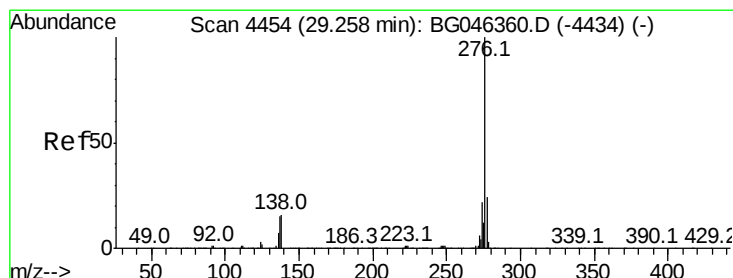
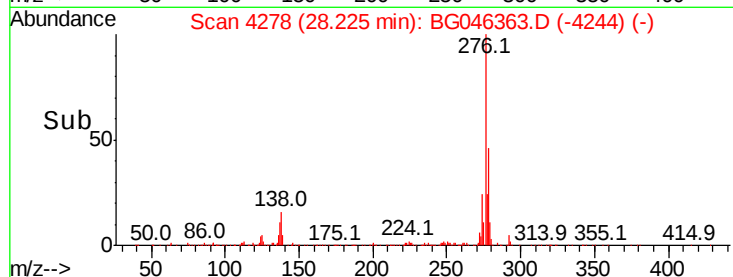
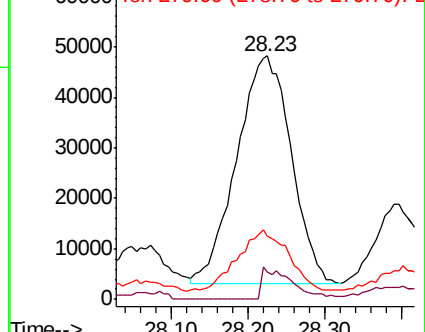
279 26.1 19.7 29.5



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: 18.773 ng/ul

RT: 29.28 min Scan# 4457

Delta R.T. 0.02 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

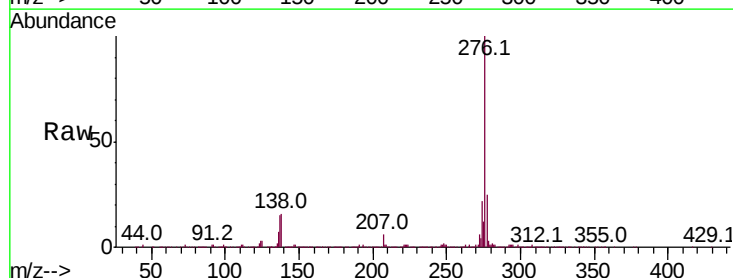
Tgt Ion:276 Resp: 841769

Ion Ratio Lower Upper

276 100

138 15.7 12.9 19.3

277 24.9 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

