

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046398.D
 Acq On : 21 Aug 2020 4:40
 Operator : CG/JU
 Sample : L3635-10
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMH6

Quant Time: Aug 21 06:20:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 21 04:43:40 2020
 Response via : Initial Calibration

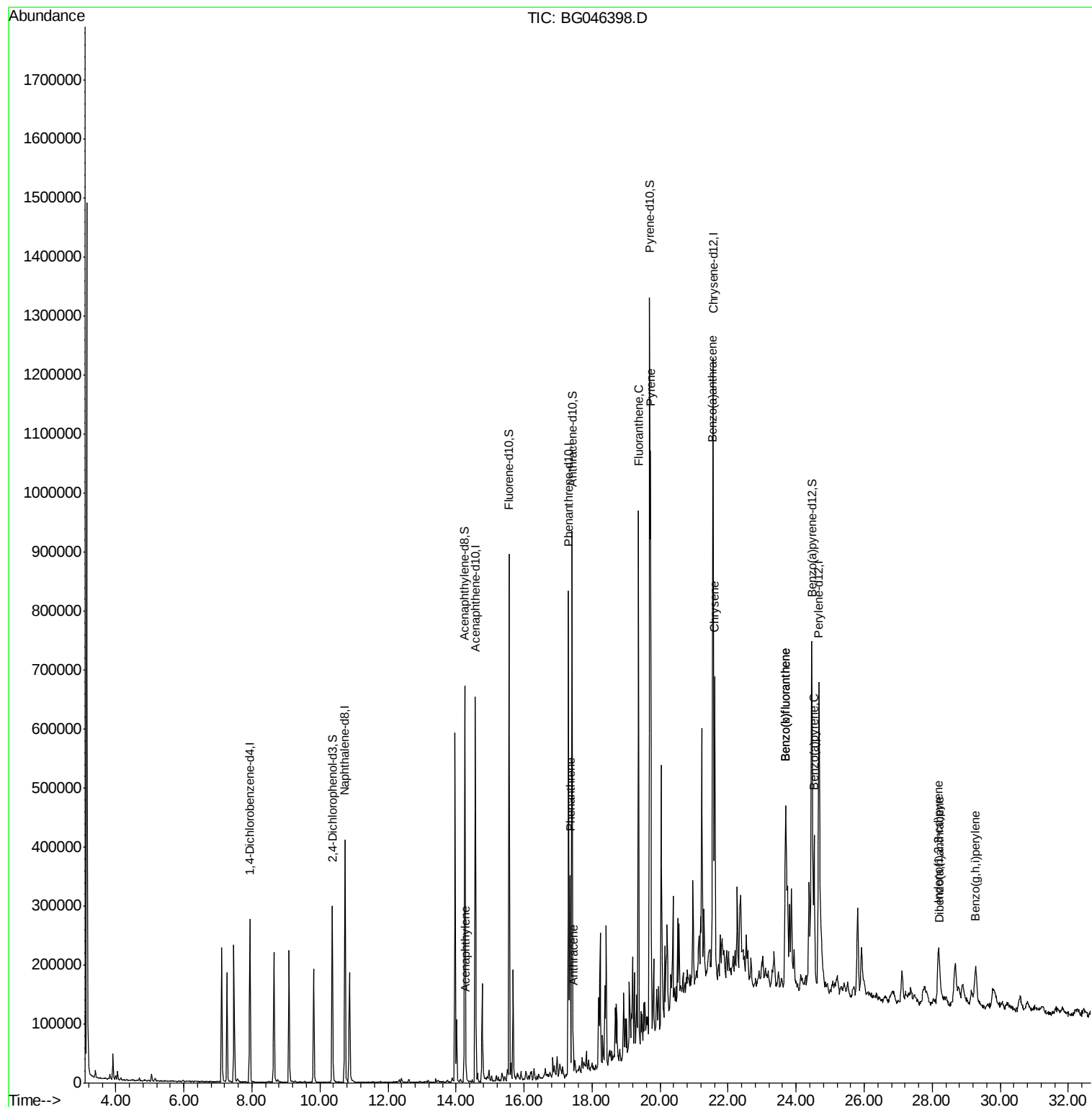
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	88208	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	371294	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.56	164	244427	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	531436	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	523981	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	578376	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	133706	20.91	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	503317	22.38	ng/ul	0.00
10) Fluorene-d10	15.56	176	385519	22.37	ng/ul	0.00
15) Anthracene-d10	17.41	188	551635	22.39	ng/ul	0.00
19) Pyrene-d10	19.69	212	632849	23.46	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	680687	21.57	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.29	152	23490	1.027	ng/ul	94
14) Phenanthrene	17.36	178	227807	7.792	ng/ul	99
16) Anthracene	17.44	178	44044	1.493	ng/ul	97
17) Fluoranthene	19.37	202	562112	17.243	ng/ul	97
20) Pyrene	19.72	202	610351	17.746	ng/ul	98
21) Benzo(a)anthracene	21.54	228	361007	10.589	ng/ul	98
22) Chrysene	21.60	228	347989	10.559	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	411791	10.767	ng/ul	99
25) Benzo(k)fluoranthene	23.69	252	411791	10.854	ng/ul	98
27) Benzo(a)pyrene	24.52	252	272354	7.756	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.18	276	172311	3.919	ng/ul	97
29) Dibenzo(a,h)anthracene	28.23	278	46020	1.291	ng/ul#	92
30) Benzo(a,h,i)perylene	29.27	276	136686	3.715	ng/ul	98

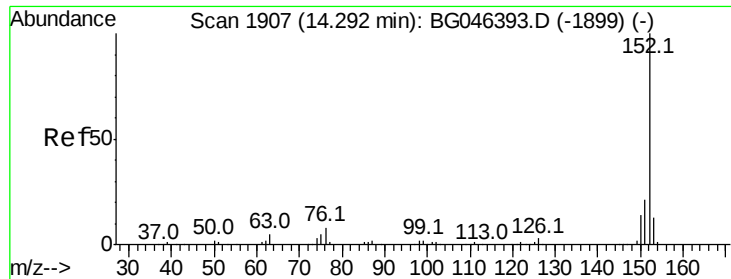
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.027 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. -0.00 min

Lab File: BG046398.D

Acq: 21 Aug 2020 4:40

Instrument :

BNA_G

ClientSampleId :

BFMH6

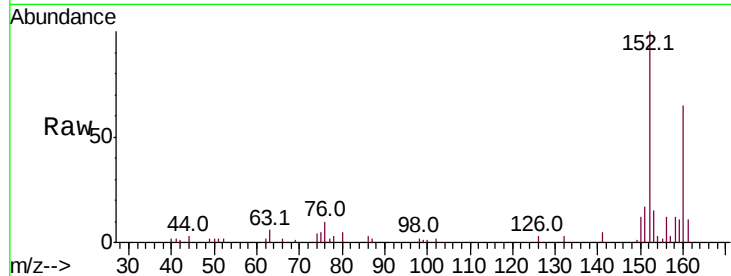
Tot Ion:152 Resp: 23490

Ion Ratio Lower Upper

152 100

151 17.3 16.5 24.7

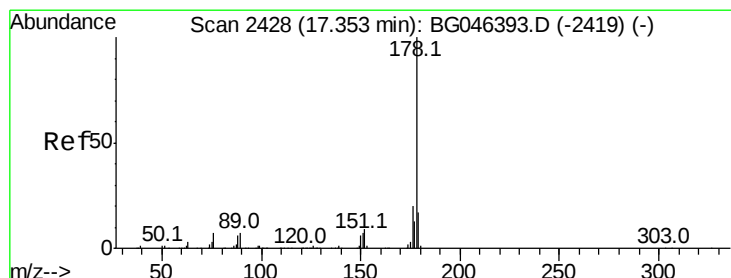
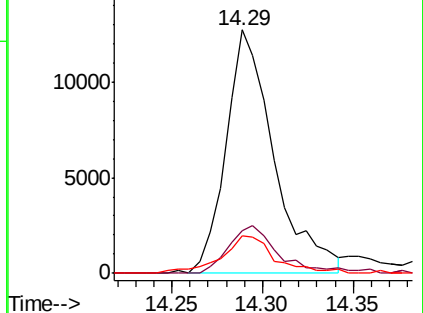
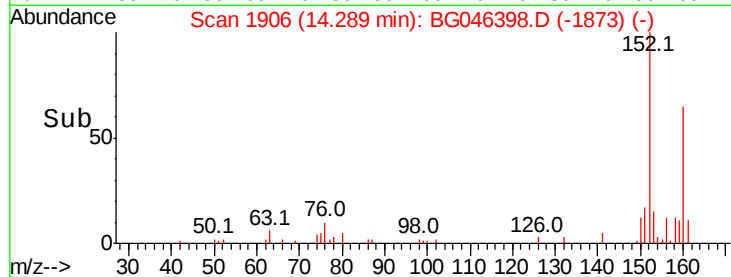
153 15.5 11.0 16.6



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



#14

Phenanthrene

Concen: 7.792 ng/ul

RT: 17.36 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG046398.D

Acq: 21 Aug 2020 4:40

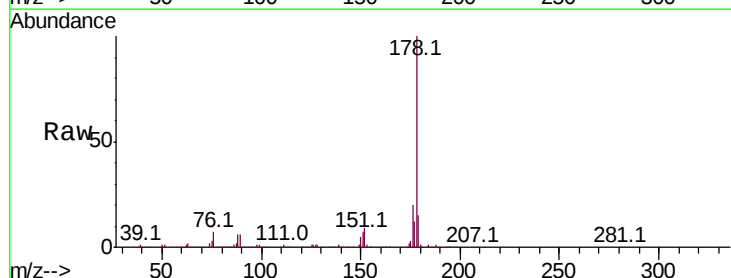
Tgt Ion:178 Resp: 227807

Ion Ratio Lower Upper

178 100

179 15.4 12.8 19.2

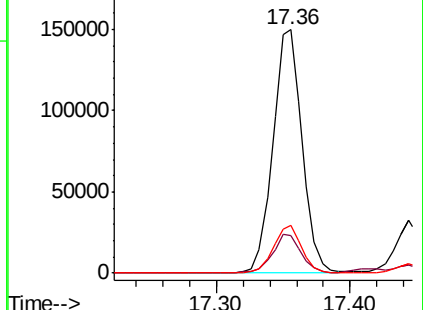
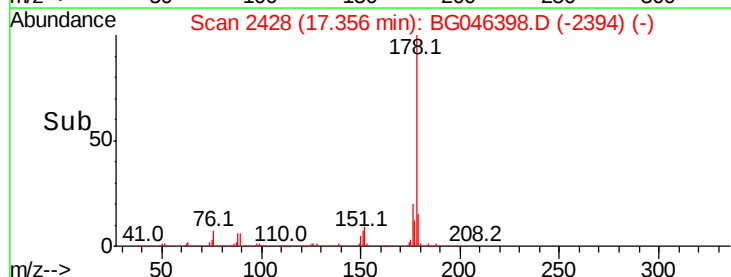
176 19.6 15.8 23.8

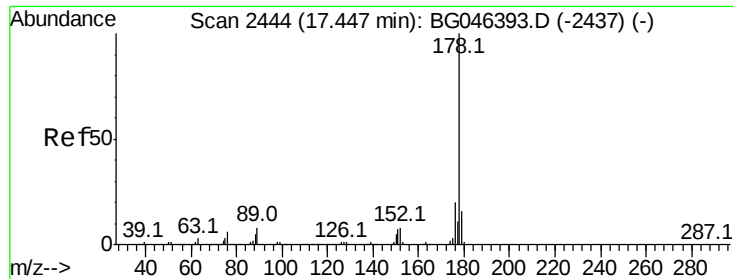


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

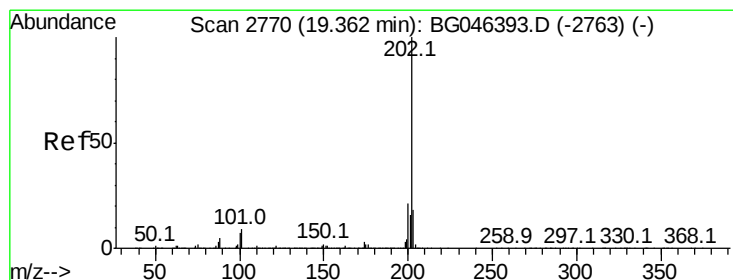
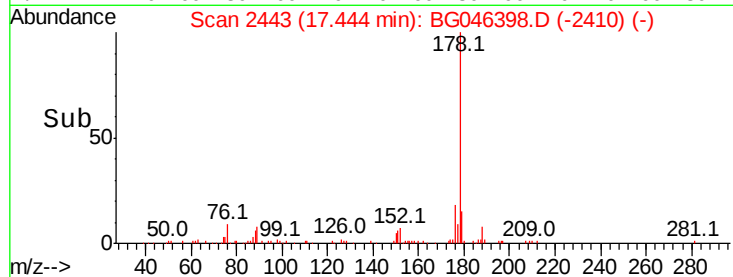
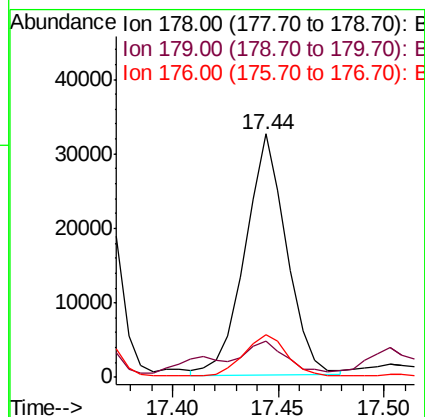
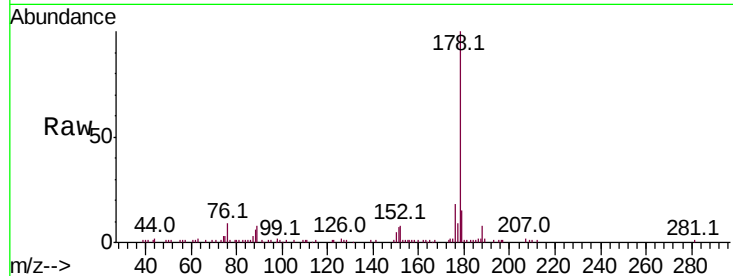




#16
 Anthracene
 Concen: 1.493 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG046398.D
 Acq: 21 Aug 2020 4:40

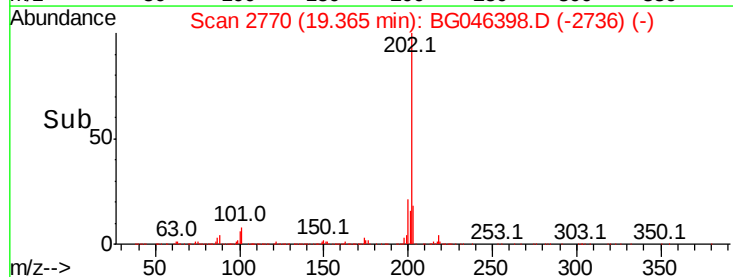
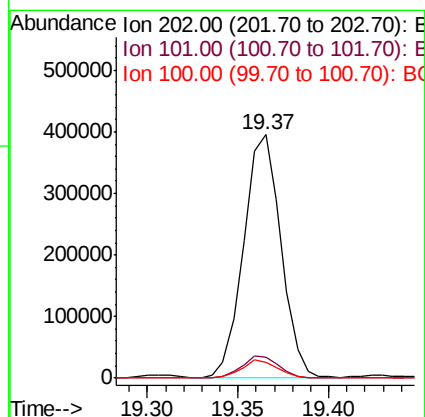
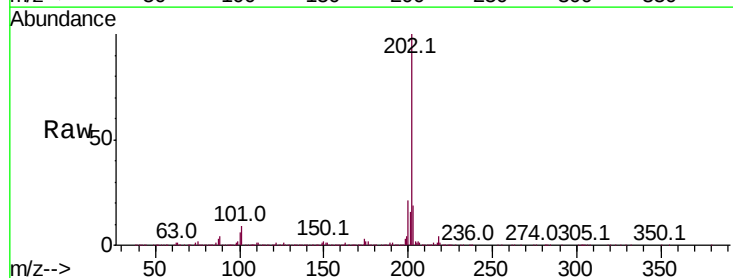
Instrument :
 BNA_G
 ClientSampleId :
 BFMH6

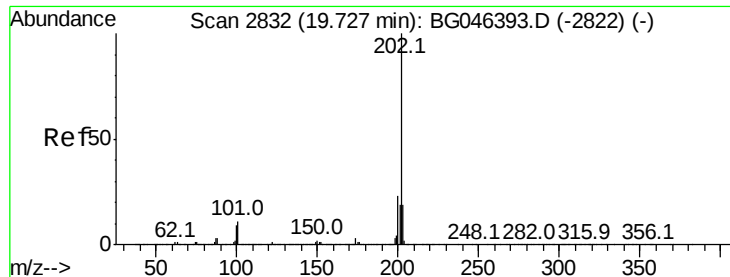
Tot Ion:178 Resp: 44044
 Ion Ratio Lower Upper
 178 100
 179 15.0 13.2 19.8
 176 17.7 15.2 22.8



#17
 Fluoranthene
 Concen: 17.243 ng/ul
 RT: 19.37 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046398.D
 Acq: 21 Aug 2020 4:40

Tgt Ion:202 Resp: 562112
 Ion Ratio Lower Upper
 202 100
 101 8.6 7.8 11.6
 100 6.4 5.9 8.9

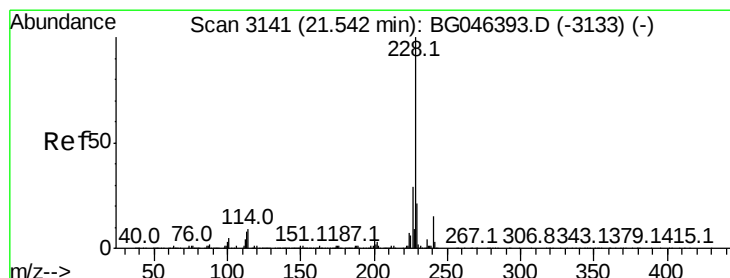
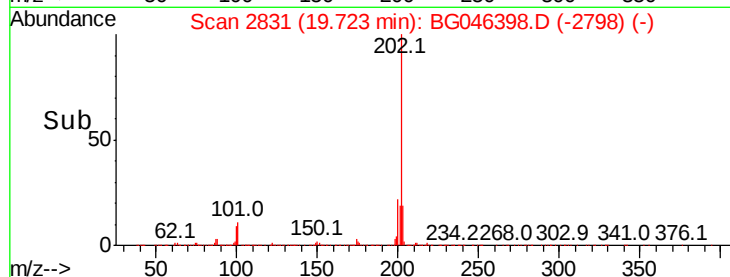
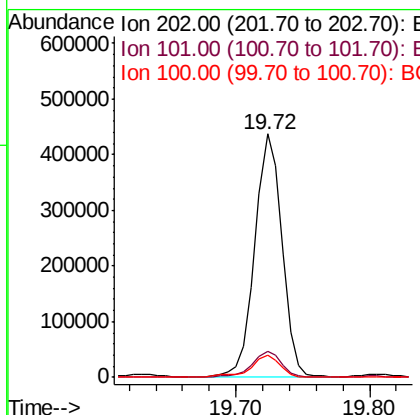
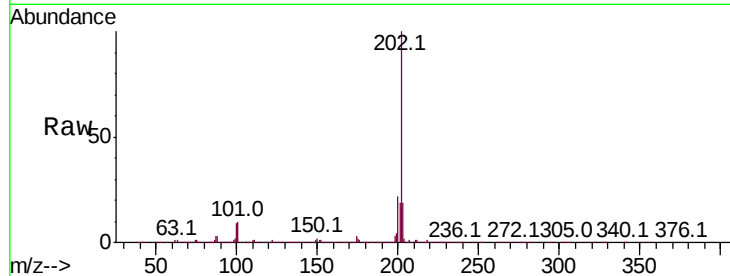




#20
Pvrene
Concen: 17.746 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046398.D
Acq: 21 Aug 2020 4:40

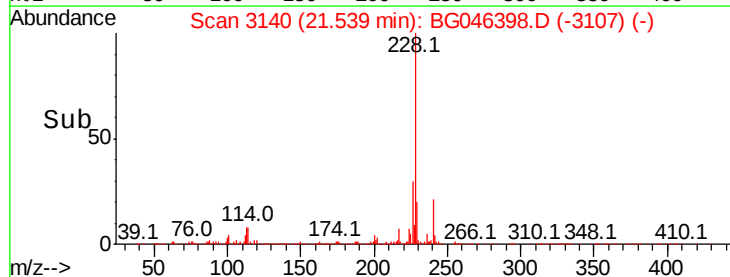
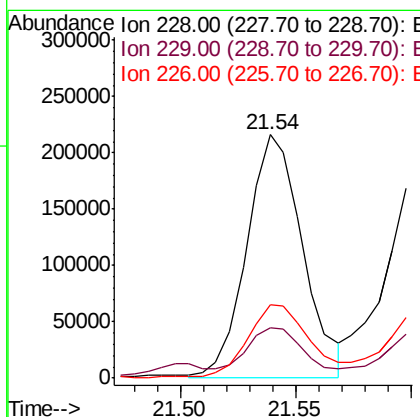
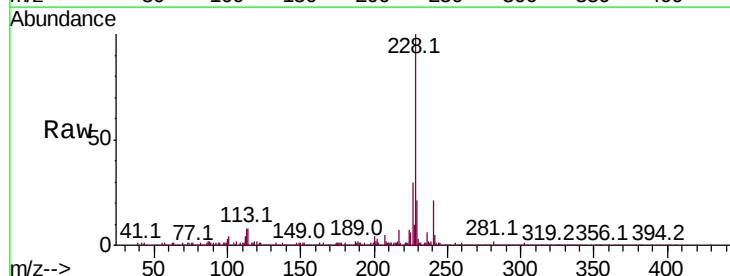
Instrument :
BNA_G
ClientSampleId :
BFMH6

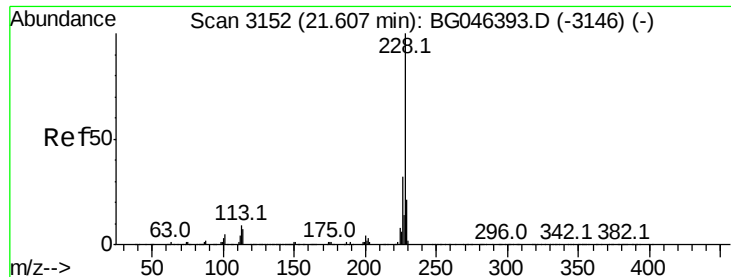
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.9	13.3
100	9.2	7.9	11.9



#21
Benzo(a)anthracene
Concen: 10.589 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046398.D
Acq: 21 Aug 2020 4:40

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	16.6	25.0
226	30.3	22.6	33.8





#22

Chrysene

Concen: 10.559 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046398.D

Acq: 21 Aug 2020 4:40

Instrument :

BNA_G

ClientSampleId :

BFMH6

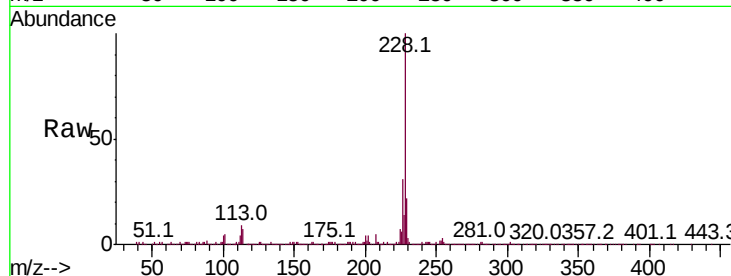
Tot Ion:228 Resp: 347989

Ion Ratio Lower Upper

228 100

226 30.6 25.5 38.3

229 22.5 17.0 25.4

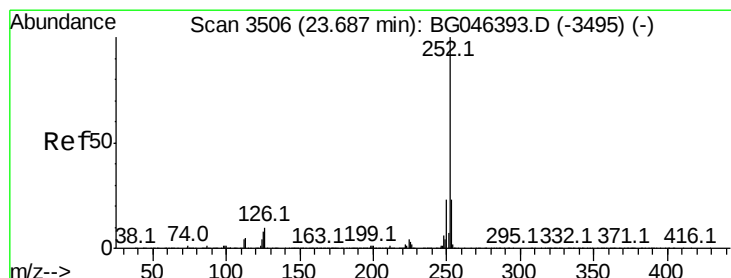
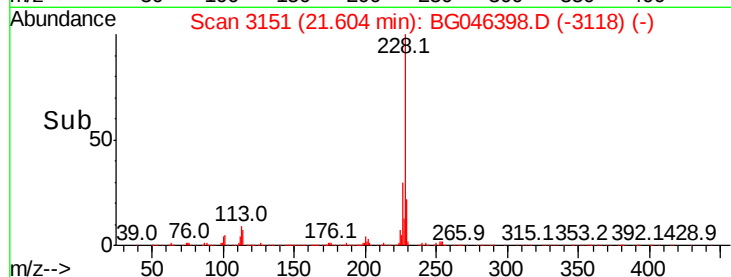
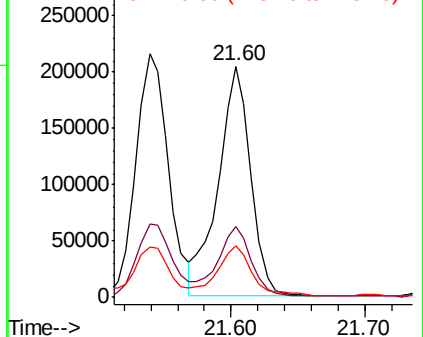


Abundance

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: 10.767 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.00 min

Lab File: BG046398.D

Acq: 21 Aug 2020 4:40

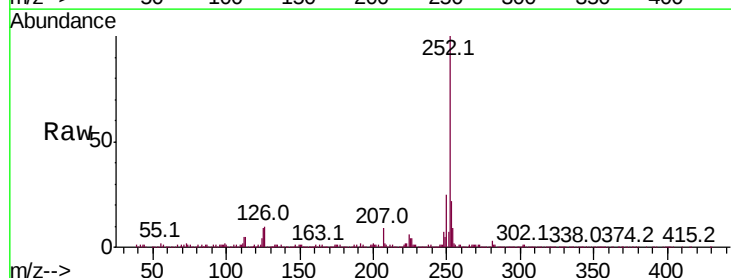
Tgt Ion:252 Resp: 411791

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 8.8 6.4 9.6

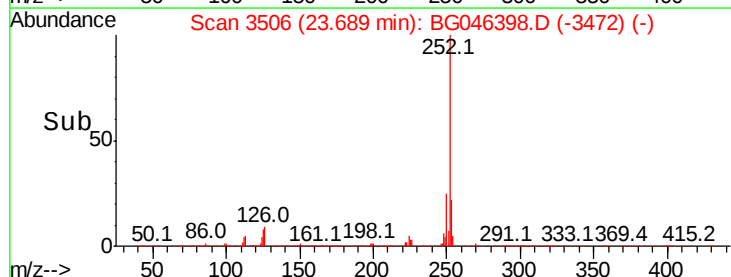
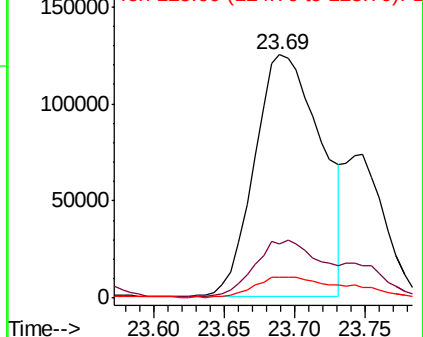


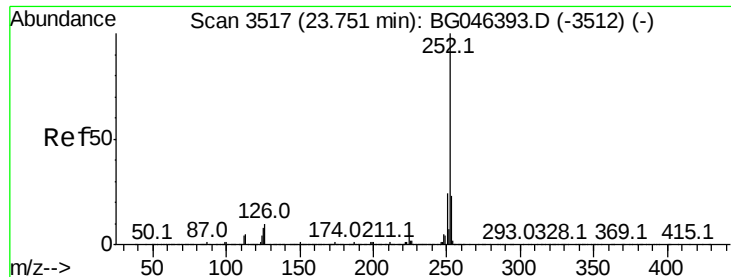
Abundance

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: 10.854 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. -0.06 min

Lab File: BG046398.D

Acq: 21 Aug 2020 4:40

Instrument :

BNA_G

ClientSampleId :

BFMH6

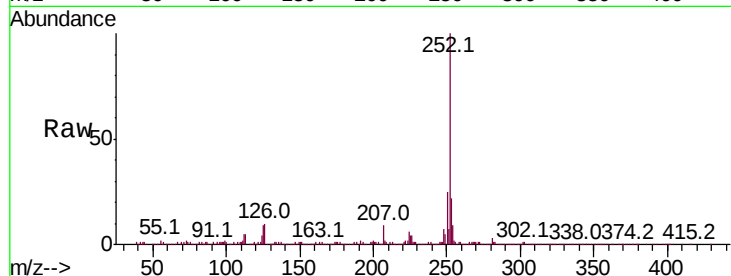
Tot Ion:252 Resp: 411791

Ion Ratio Lower Upper

252 100

253 22.3 18.5 27.7

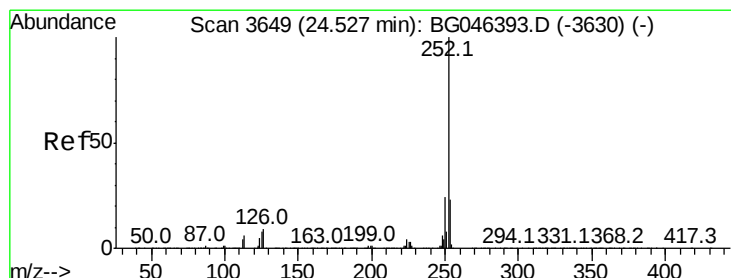
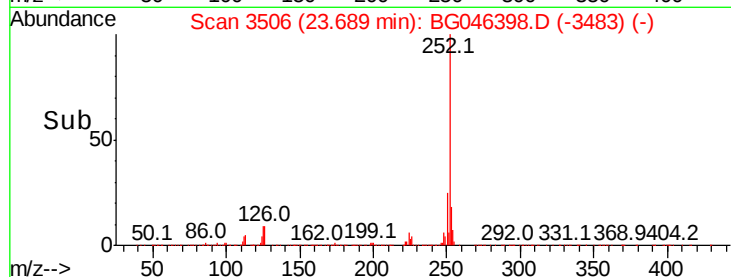
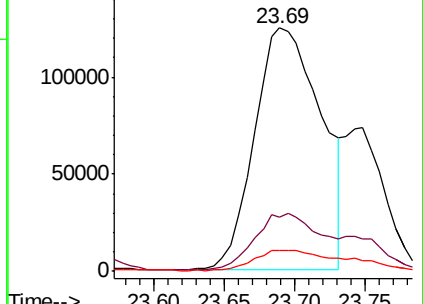
125 8.8 6.2 9.2



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: 7.756 ng/ul

RT: 24.52 min Scan# 3648

Delta R.T. -0.00 min

Lab File: BG046398.D

Acq: 21 Aug 2020 4:40

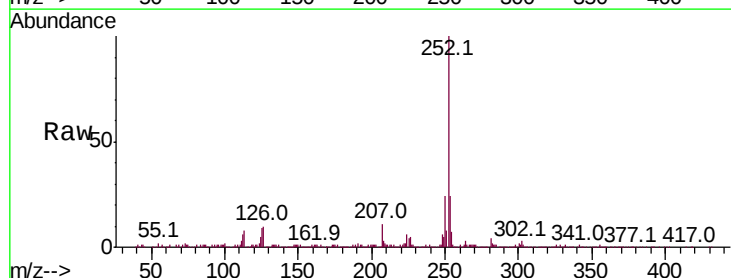
Tgt Ion:252 Resp: 272354

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.8

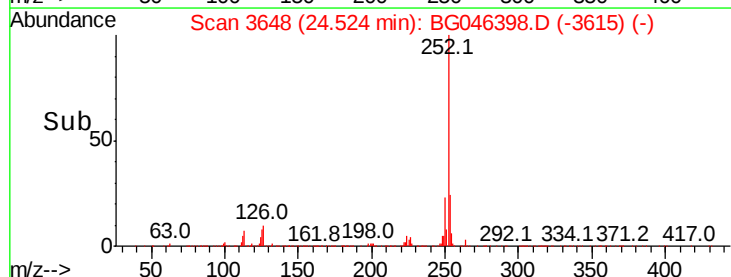
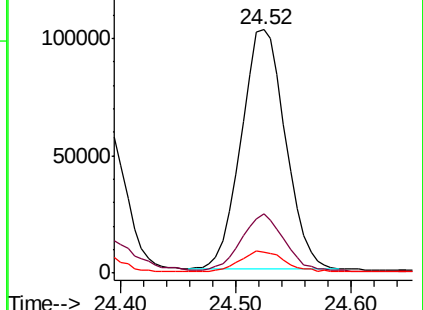
125 8.8 7.1 10.7

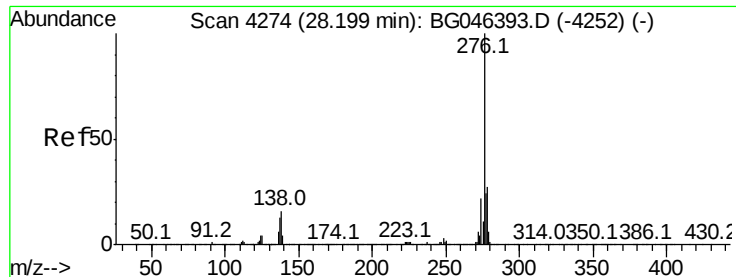


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



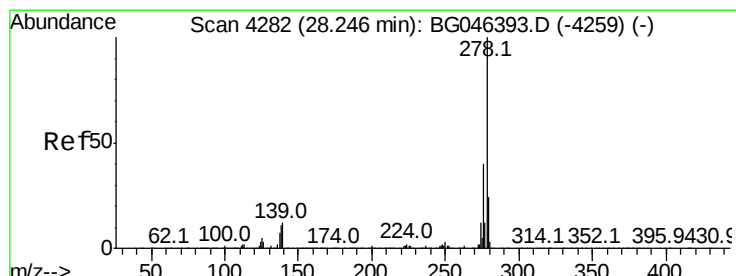
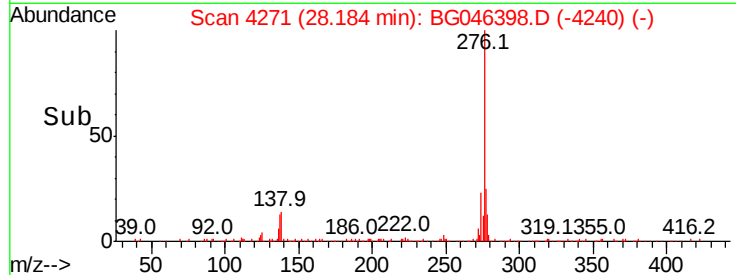
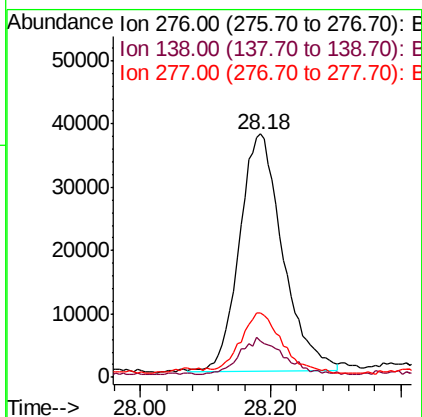
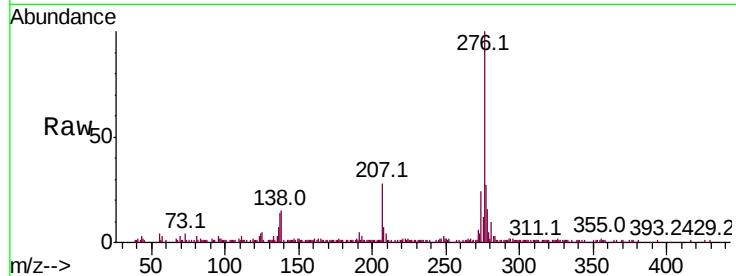


#28

Indeno(1,2,3-cd)pyrene
Concen: 3.919 ng/ul
RT: 28.18 min Scan# 4271
Delta R.T. -0.02 min
Lab File: BG046398.D
Acq: 21 Aug 2020 4:40

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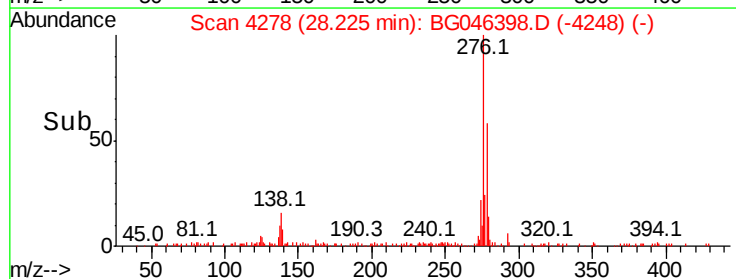
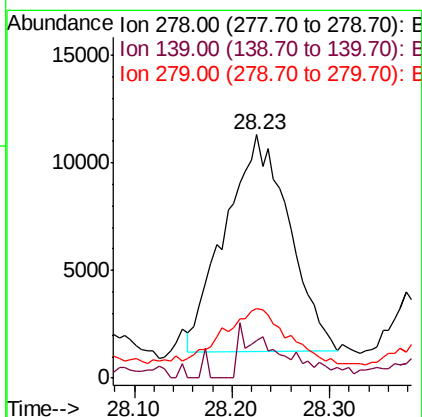
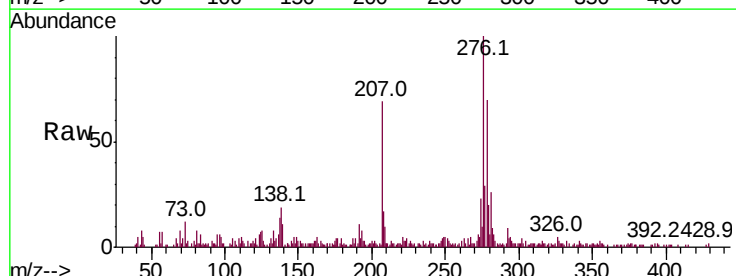
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.0	13.2	19.8
277	26.7	19.9	29.9

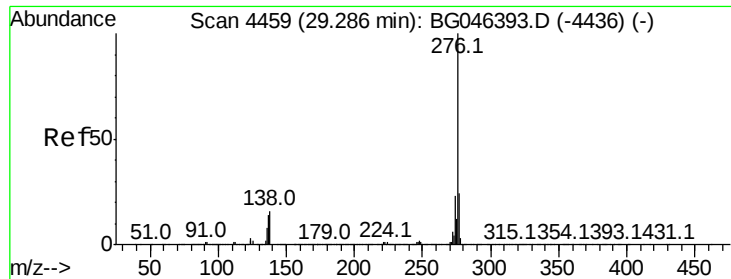


#29

Dibenzo(a,h)anthracene
Concen: 1.291 ng/ul
RT: 28.23 min Scan# 4278
Delta R.T. -0.02 min
Lab File: BG046398.D
Acq: 21 Aug 2020 4:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.5	9.8	14.8#
279	28.5	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 3.715 ng/ul

RT: 29.27 min Scan# 4456

Delta R.T. -0.02 min

Lab File: BG046398.D

Acq: 21 Aug 2020 4:40

Instrument :

BNA_G

ClientSampleId :

BFMH6

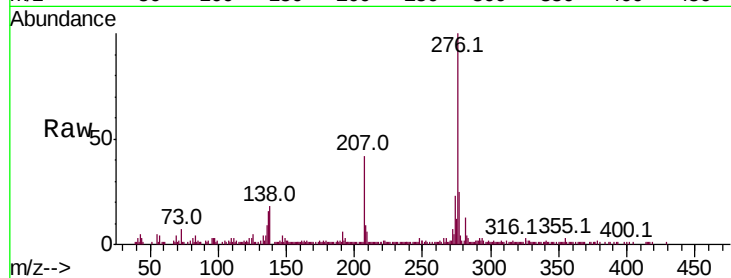
Tot Ion:276 Resp: 136686

Ion Ratio Lower Upper

276 100

138 17.6 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

