

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046397.D
 Acq On : 21 Aug 2020 4:00
 Operator : CG/JU
 Sample : L3635-07
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMH3

Quant Time: Aug 21 04:45:26 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

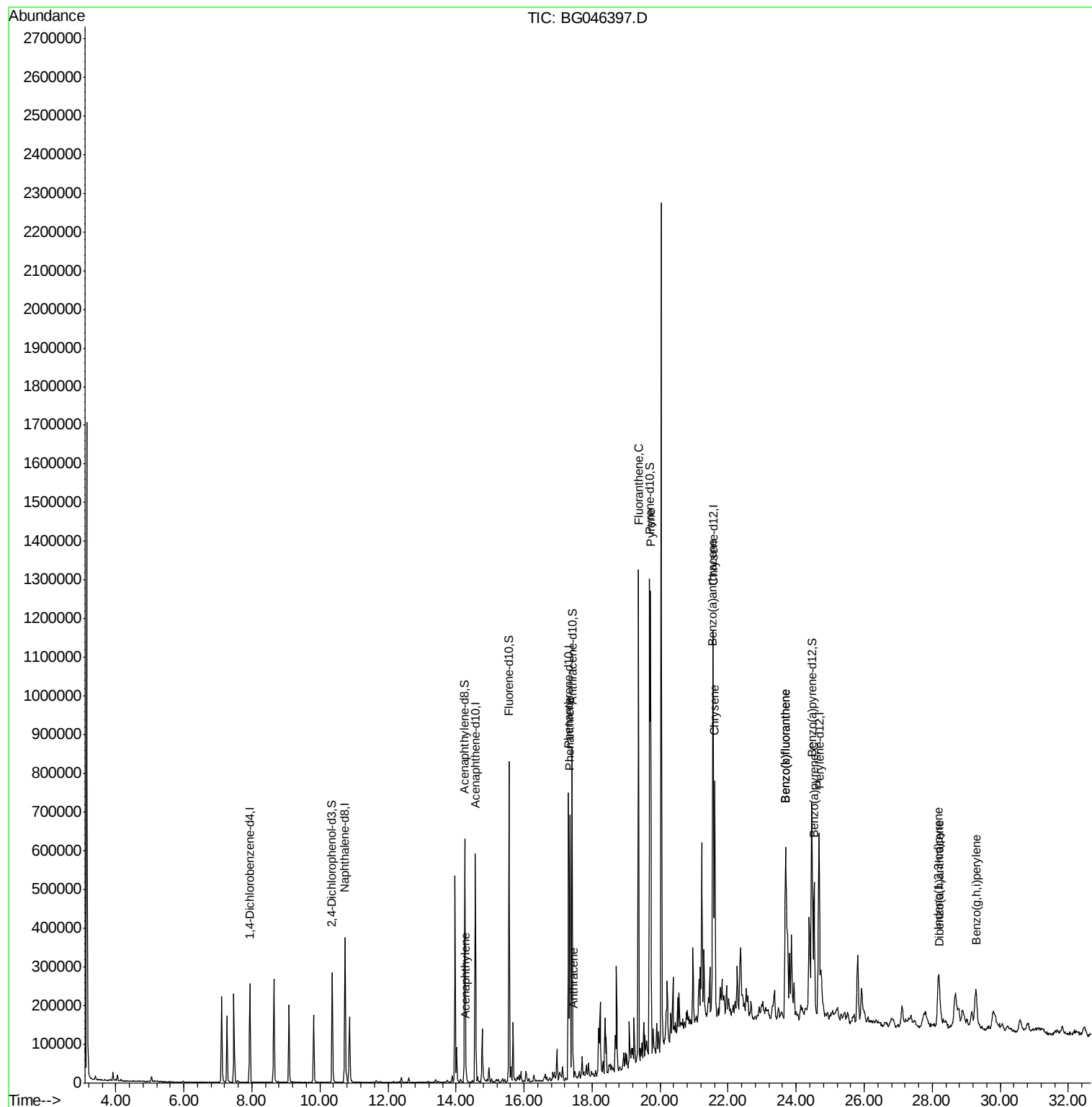
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	81457	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	336403	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	219263	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	486860	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	479379	20.00	ng/ul	0.00
23) Perylene-d12	24.68	264	524816	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	126656	21.87	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	467472	23.17	ng/ul	0.00
10) Fluorene-d10	15.56	176	355039	22.96	ng/ul	0.00
15) Anthracene-d10	17.41	188	507908	22.50	ng/ul	0.00
19) Pyrene-d10	19.69	212	567841	23.01	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	613289	21.41	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.30	152	35487	1.730	ng/ul	97
14) Phenanthrene	17.35	178	459022	17.138	ng/ul	100
16) Anthracene	17.44	178	41998	1.554	ng/ul	99
17) Fluoranthene	19.37	202	825054	27.626	ng/ul	99
20) Pyrene	19.72	202	748044	23.773	ng/ul	100
21) Benzo(a)anthracene	21.54	228	373937	11.989	ng/ul	98
22) Chrysene	21.60	228	437155	14.499	ng/ul	98
24) Benzo(b)fluoranthene	23.70	252	607828	17.514	ng/ul	97
25) Benzo(k)fluoranthene	23.70	252	607828	17.656	ng/ul	98
27) Benzo(a)pyrene	24.53	252	366705	11.509	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.19	276	254406	6.377	ng/ul	98
29) Dibenzo(a,h)anthracene	28.23	278	66368	2.052	ng/ul#	92
30) Benzo(a,h,i)perylene	29.28	276	209296	6.269	ng/ul	99

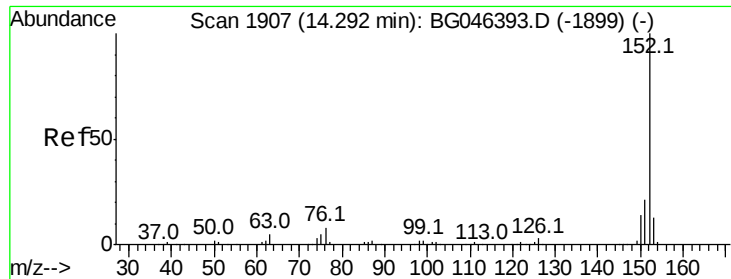
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.730 ng/ul

RT: 14.30 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG046397.D

Acq: 21 Aug 2020 4:00

Instrument :

BNA_G

ClientSampleId :

BFMH3

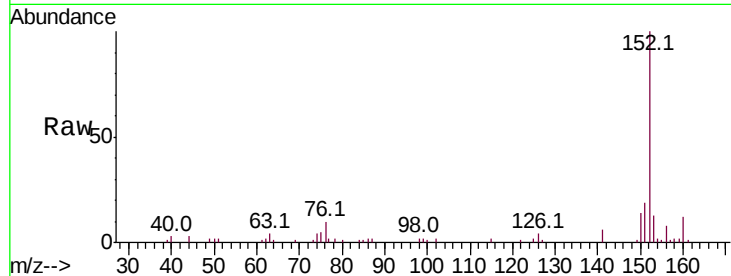
Tot Ion:152 Resp: 35487

Ion Ratio Lower Upper

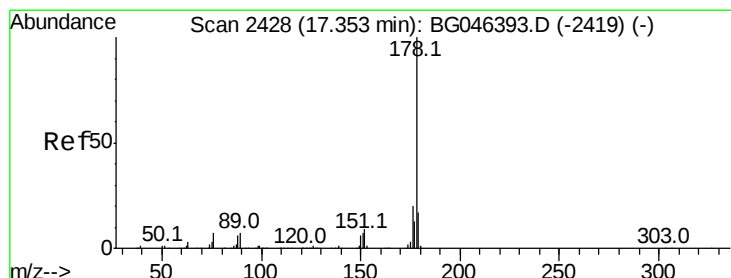
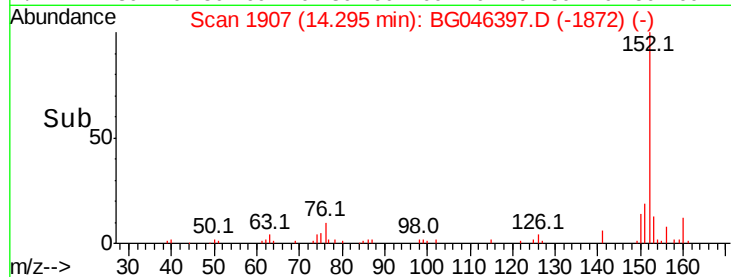
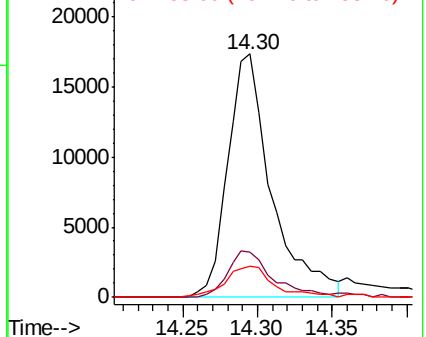
152 100

151 18.7 16.5 24.7

153 12.8 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: 17.138 ng/ul

RT: 17.35 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG046397.D

Acq: 21 Aug 2020 4:00

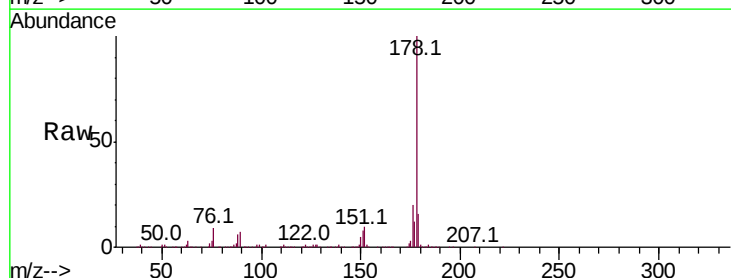
Tgt Ion:178 Resp: 459022

Ion Ratio Lower Upper

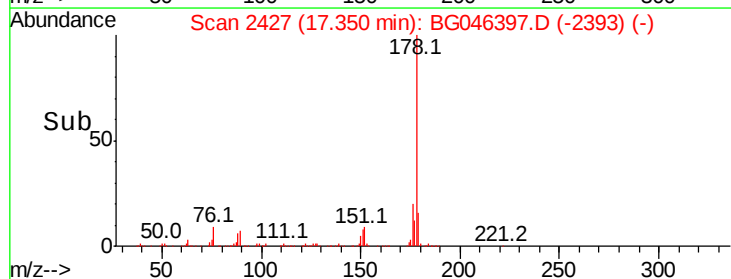
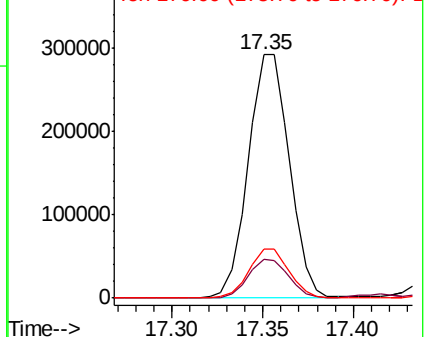
178 100

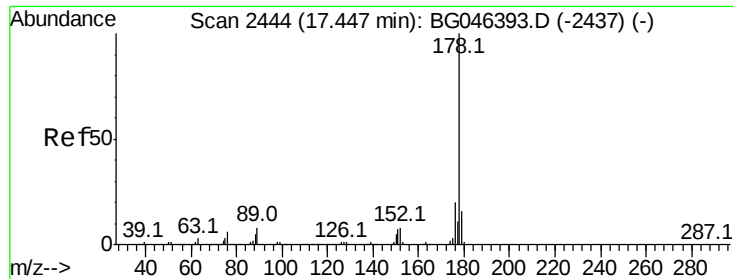
179 16.0 12.8 19.2

176 19.9 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

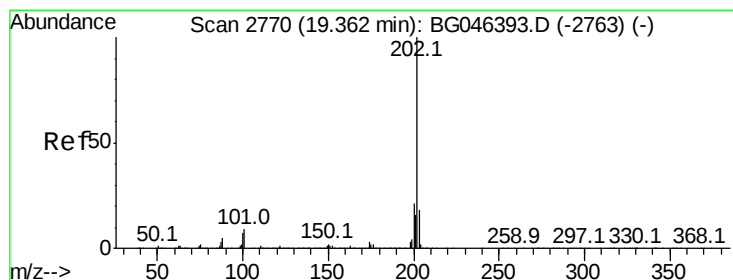
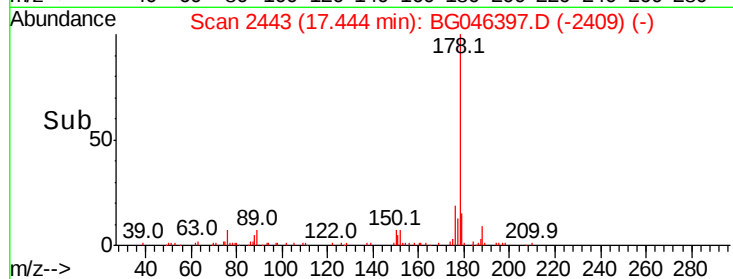
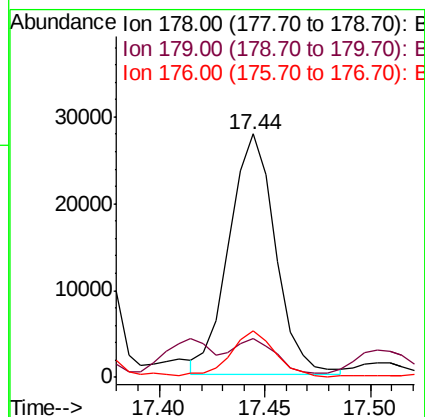
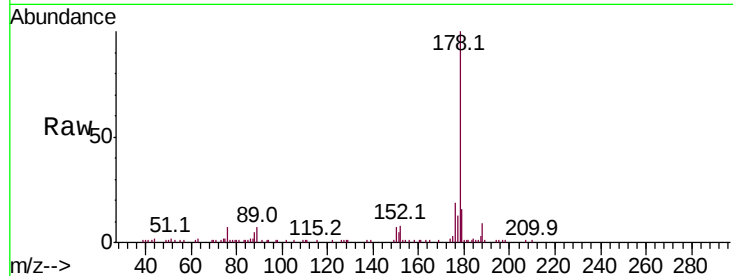




#16
 Anthracene
 Concen: 1.554 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG046397.D
 Acq: 21 Aug 2020 4:00

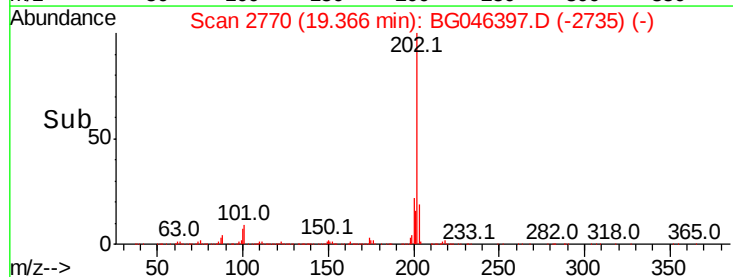
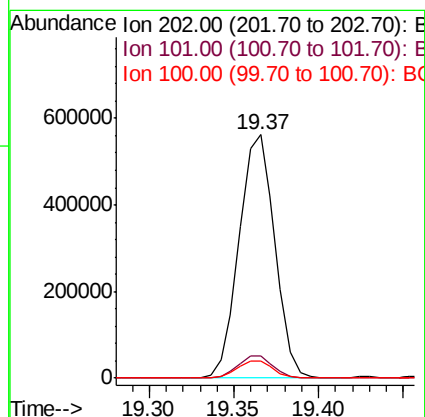
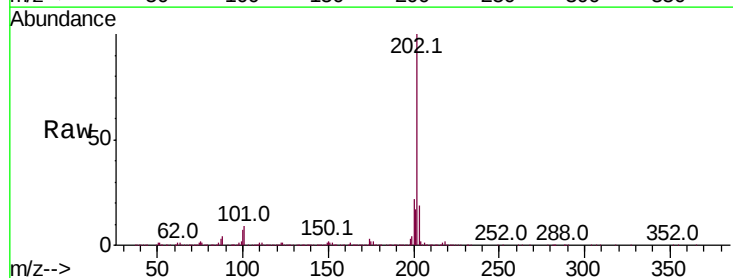
Instrument :
 BNA_G
 ClientSampleId :
 BFMH3

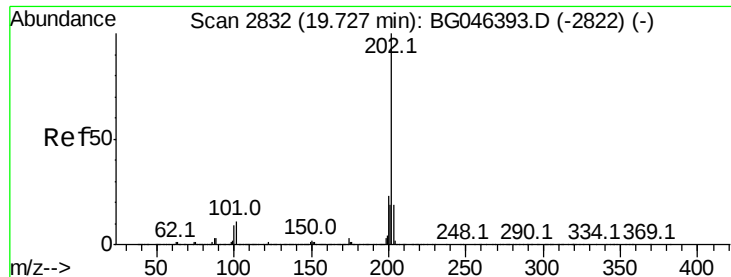
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	13.2	19.8
176	19.2	15.2	22.8



#17
 Fluoranthene
 Concen: 27.626 ng/ul
 RT: 19.37 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046397.D
 Acq: 21 Aug 2020 4:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.8	11.6
100	7.0	5.9	8.9

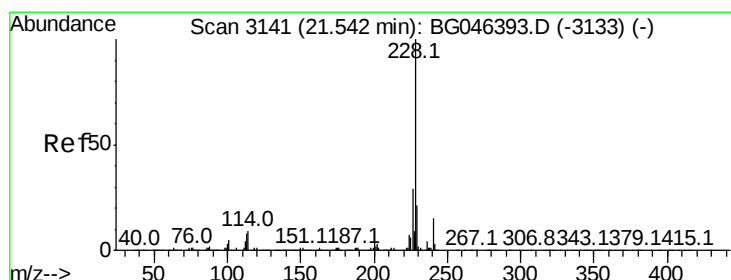
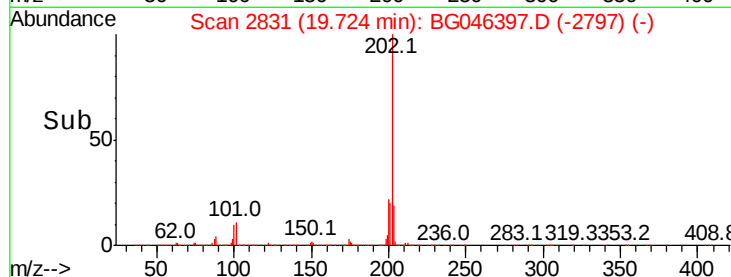
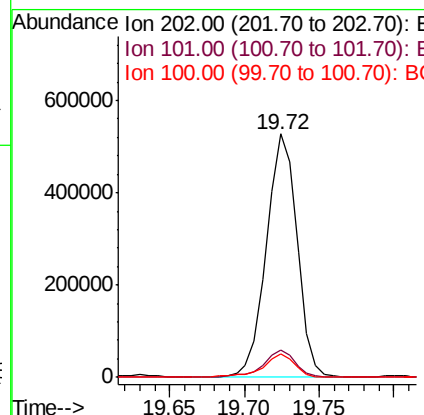
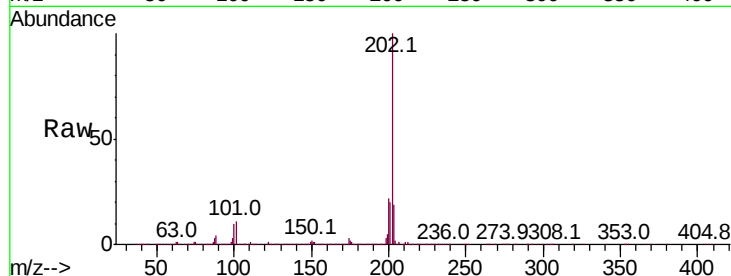




#20
Pvrene
Concen: 23.773 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046397.D
Acq: 21 Aug 2020 4:00

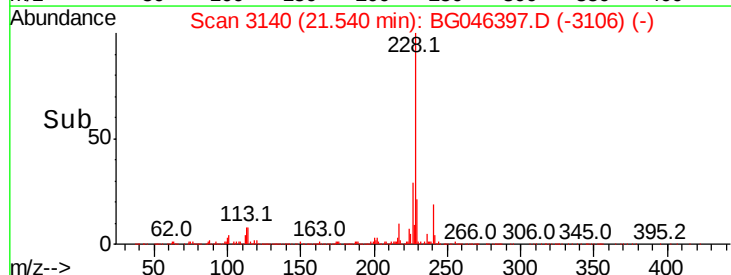
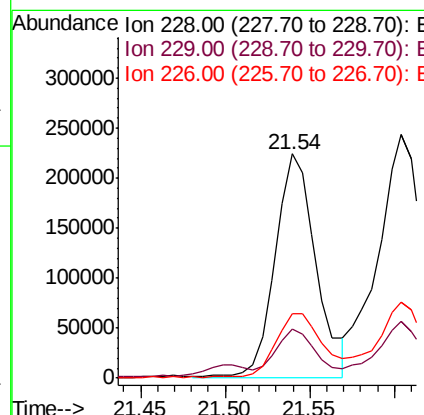
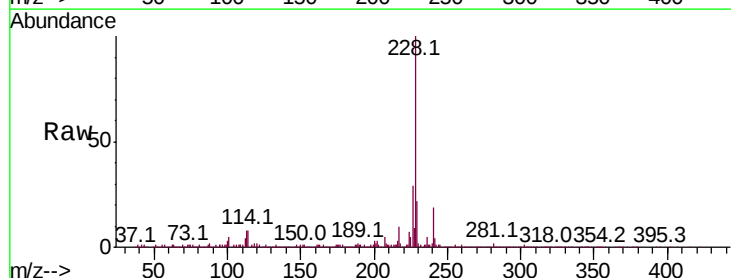
Instrument :
BNA_G
ClientSampleId :
BFMH3

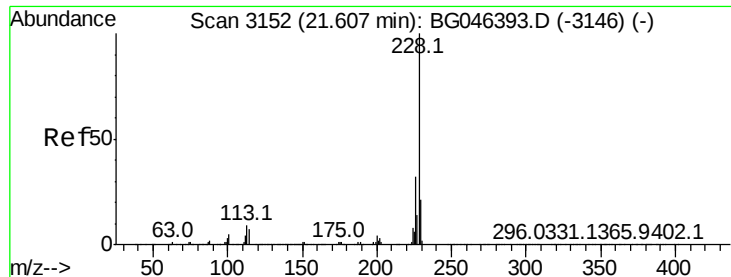
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.9	13.3
100	9.6	7.9	11.9



#21
Benzo(a)anthracene
Concen: 11.989 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046397.D
Acq: 21 Aug 2020 4:00

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.7	16.6	25.0
226	29.0	22.6	33.8





#22

Chrysene

Concen: 14.499 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046397.D

Acq: 21 Aug 2020 4:00

Instrument :

BNA_G

ClientSampleId :

BFMH3

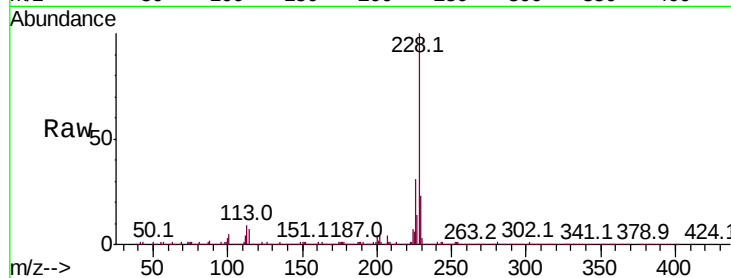
Tot Ion:228 Resp: 437155

Ion Ratio Lower Upper

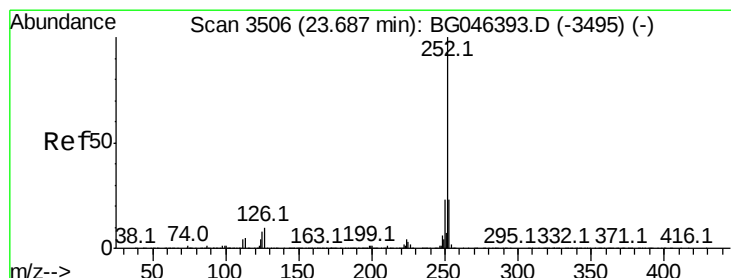
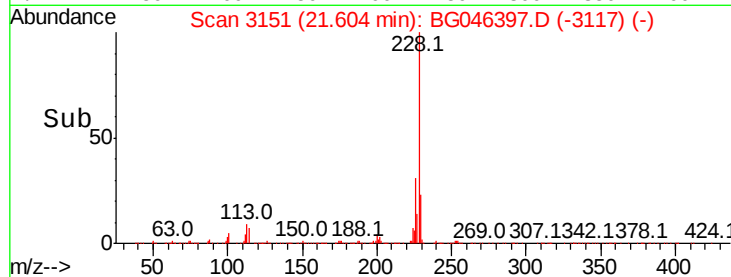
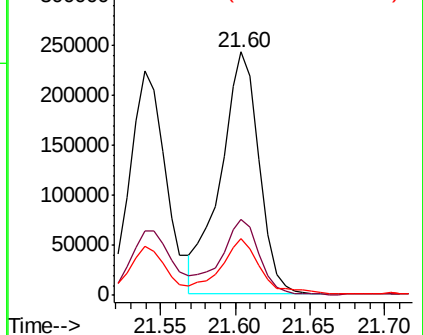
228 100

226 31.4 25.5 38.3

229 23.2 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: 17.514 ng/ul

RT: 23.70 min Scan# 3507

Delta R.T. 0.01 min

Lab File: BG046397.D

Acq: 21 Aug 2020 4:00

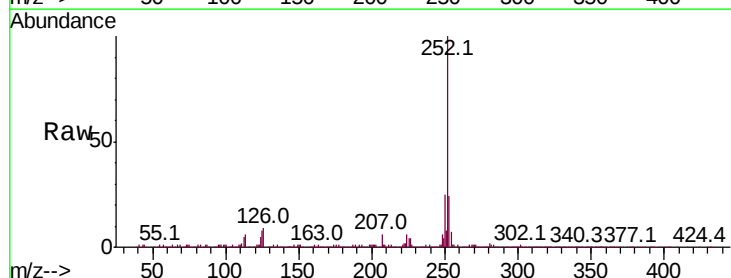
Tgt Ion:252 Resp: 607828

Ion Ratio Lower Upper

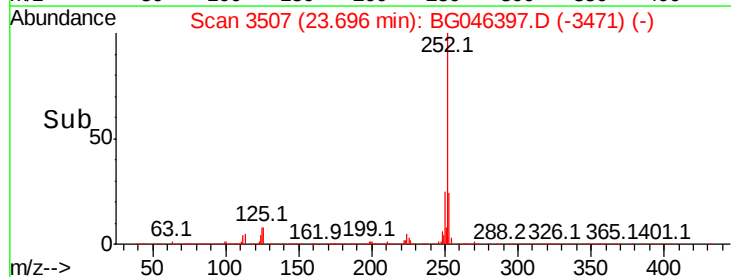
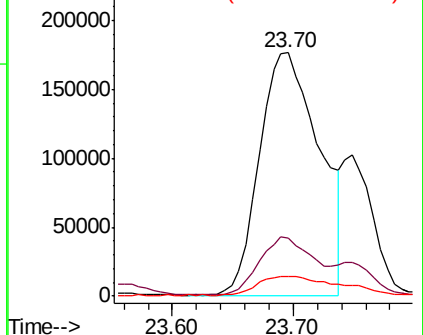
252 100

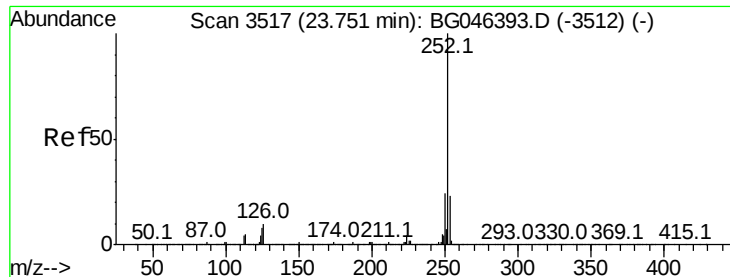
253 24.0 17.8 26.6

125 8.2 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

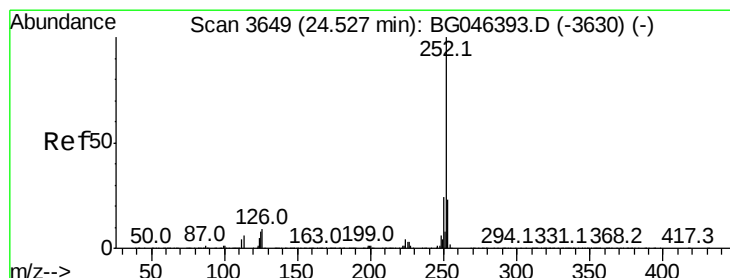
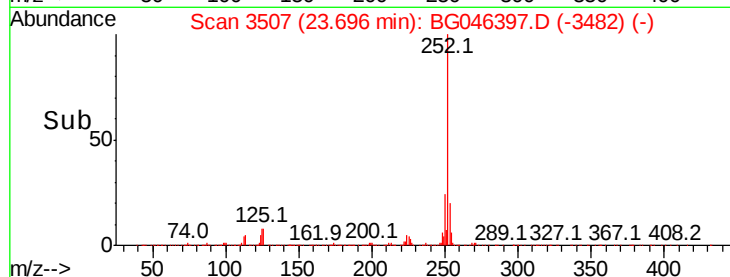
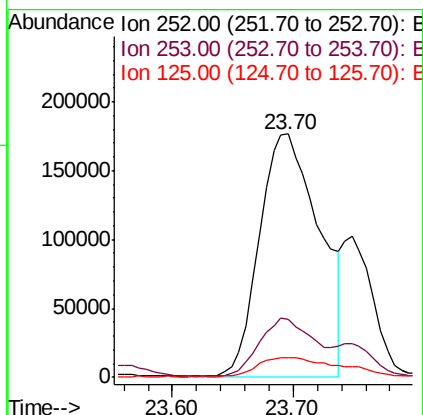
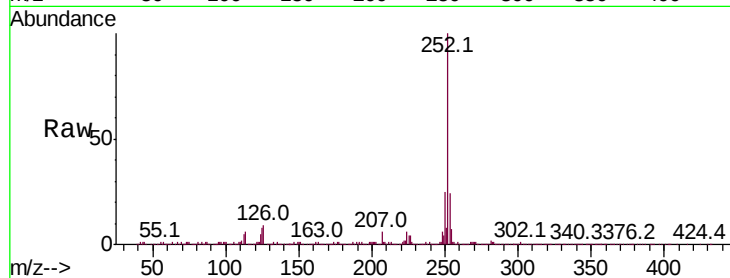




#25
Benzo(k)fluoranthene
Concen: 17.656 ng/ul
RT: 23.70 min Scan# 3507
Delta R.T. -0.06 min
Lab File: BG046397.D
Acq: 21 Aug 2020 4:00

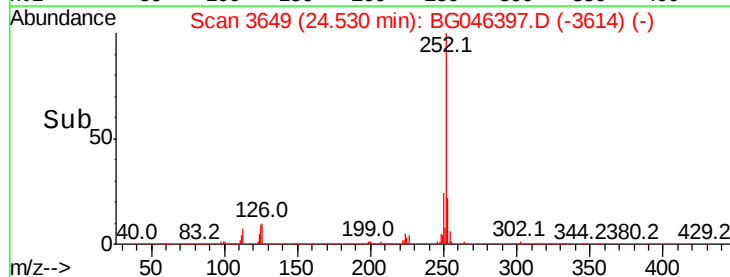
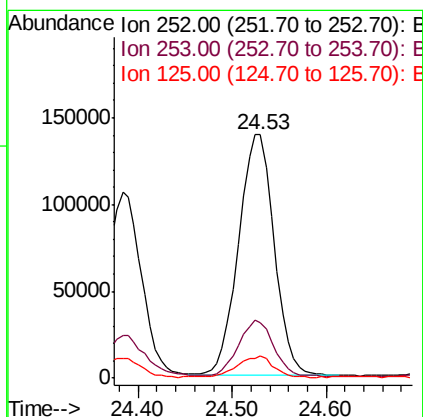
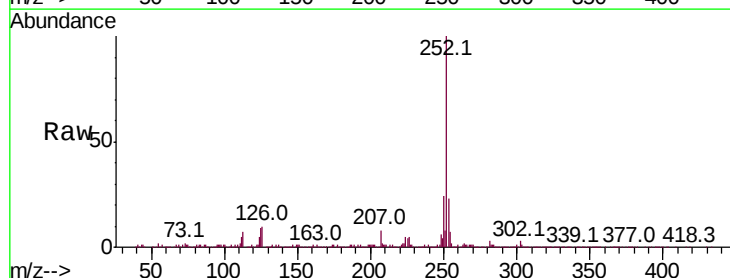
Instrument :
BNA_G
ClientSampleId :
BFMH3

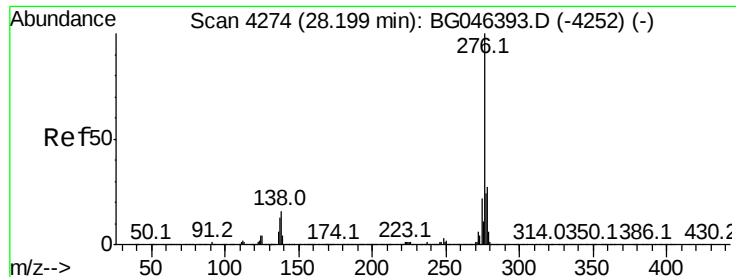
Tot Ion:252	Resp:	607828
Ion Ratio	Lower	Upper
252	100	
253	24.0	18.5 27.7
125	8.2	6.2 9.2



#27
Benzo(a)pyrene
Concen: 11.509 ng/ul
RT: 24.53 min Scan# 3649
Delta R.T. 0.00 min
Lab File: BG046397.D
Acq: 21 Aug 2020 4:00

Tgt Ion:252	Resp:	366705
Ion Ratio	Lower	Upper
252	100	
253	23.0	17.8 26.8
125	8.9	7.1 10.7



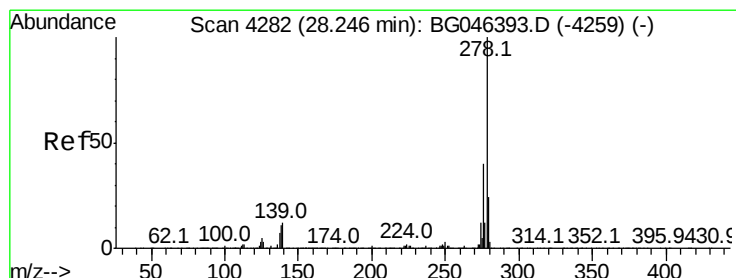
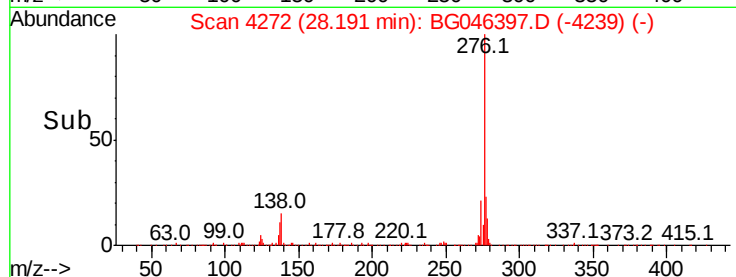
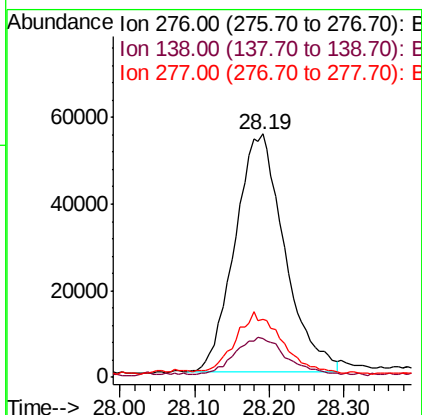
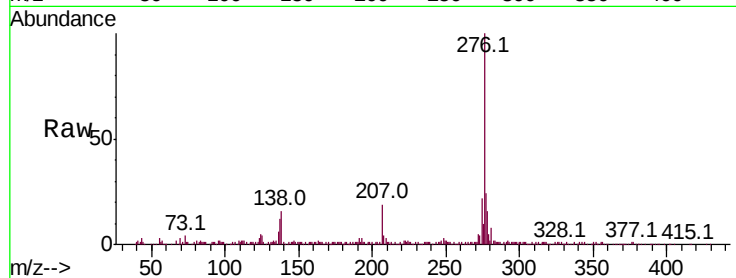


#28

Indeno(1,2,3-cd)pyrene
Concen: 6.377 ng/ul
RT: 28.19 min Scan# 4272
Delta R.T. -0.01 min
Lab File: BG046397.D
Acq: 21 Aug 2020 4:00

Instrument :
BNA_G
ClientSampleId :
BFMH3

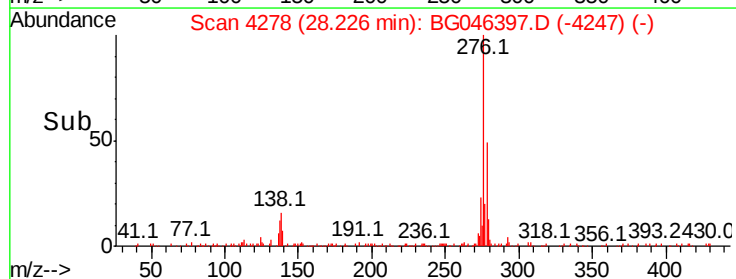
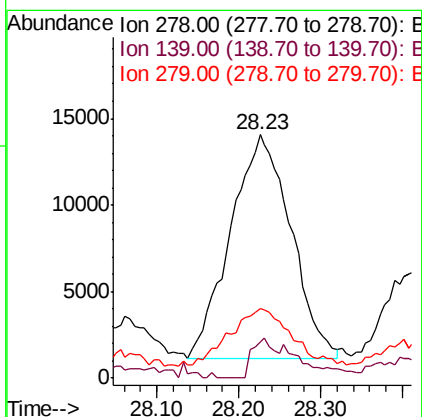
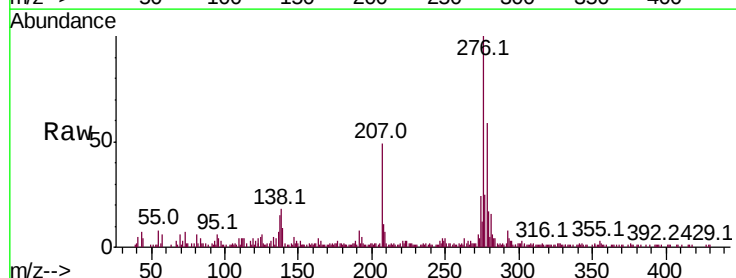
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.9	13.2	19.8
277	23.8	19.9	29.9

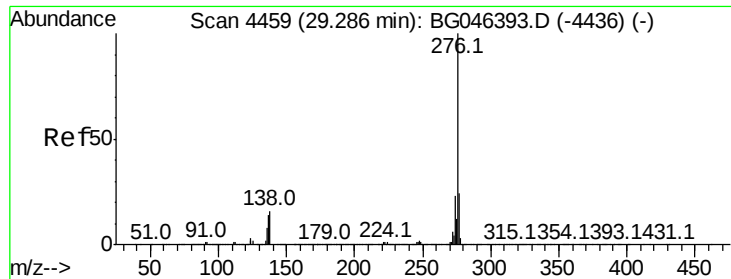


#29

Dibenzo(a,h)anthracene
Concen: 2.052 ng/ul
RT: 28.23 min Scan# 4278
Delta R.T. -0.02 min
Lab File: BG046397.D
Acq: 21 Aug 2020 4:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.1	9.8	14.8#
279	28.7	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 6.269 ng/ul

RT: 29.28 min Scan# 4458

Delta R.T. -0.00 min

Lab File: BG046397.D

Acq: 21 Aug 2020 4:00

Instrument :

BNA_G

ClientSampleId :

BFMH3

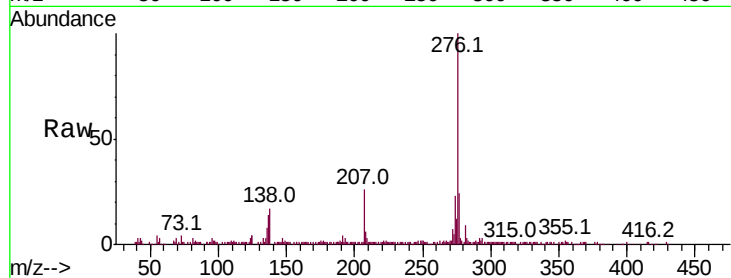
Tot Ion: 276 Resp: 209296

Ion Ratio Lower Upper

276 100

138 17.1 12.9 19.3

277 24.3 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

