

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046391.D
 Acq On : 20 Aug 2020 23:18
 Operator : CG/JU
 Sample : L3634-09
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMF7

Quant Time: Aug 21 00:39:50 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	93831	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	374224	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	236113	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	511660	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	526084	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	567072	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.36	165	192814	29.92	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	658246	30.29	ng/ul	0.00
10) Fluorene-d10	15.56	176	501709	30.13	ng/ul	0.00
15) Anthracene-d10	17.41	188	724136	30.53	ng/ul	0.00
19) Pyrene-d10	19.70	212	850869	31.42	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.47	264	991484	32.04	ng/ul	0.02

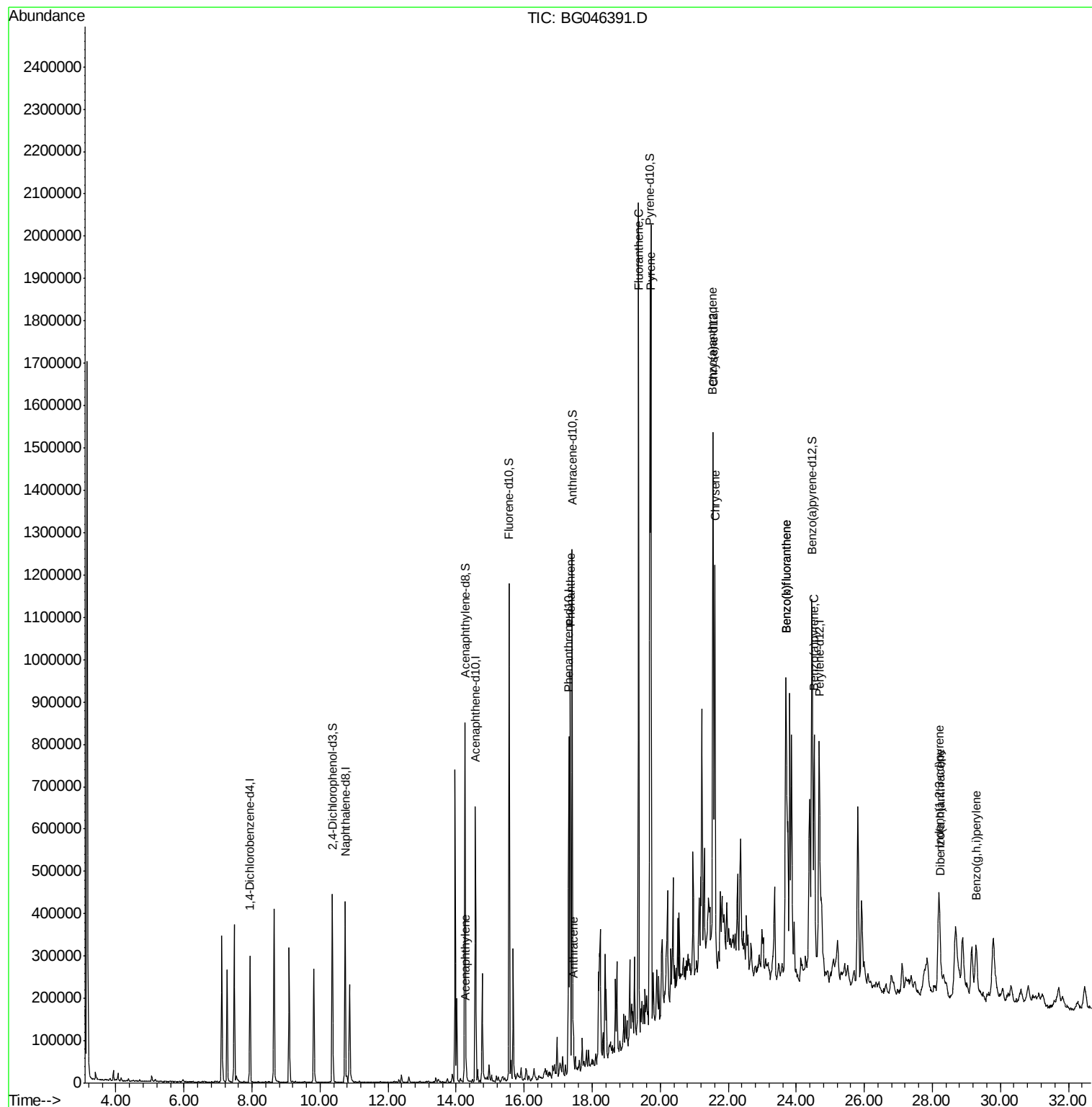
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Acenaphthylene	14.29	152	43715	1.979	ng/ul	96
14) Phenanthrene	17.35	178	612040	21.743	ng/ul	99
16) Anthracene	17.45	178	78871	2.777	ng/ul	97
17) Fluoranthene	19.36	202	1198888	38.197	ng/ul	98
20) Pyrene	19.73	202	1163962	33.706	ng/ul	98
21) Benzo(a)anthracene	21.54	228	612887	17.906	ng/ul	98
22) Chrysene	21.61	228	708447	21.410	ng/ul	98
24) Benzo(b)fluoranthene	23.70	252	951765	25.381	ng/ul	99
25) Benzo(k)fluoranthene	23.70	252	951765	25.586	ng/ul	99
27) Benzo(a)pyrene	24.53	252	629505	18.285	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.19	276	431081	10.000	ng/ul	98
29) Dibenzo(a,h)anthracene	28.23	278	106522	3.048	ng/ul	94
30) Benzo(a,h,i)perylene	29.29	276	270182	7.489	ng/ul	99

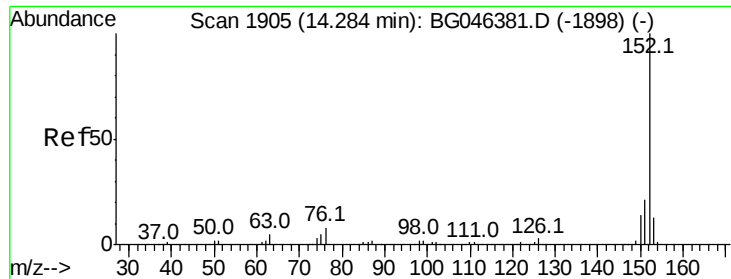
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.979 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. 0.01 min

Lab File: BG046391.D

Acq: 20 Aug 2020 23:18

Instrument :

BNA_G

ClientSampled :

BFMF7

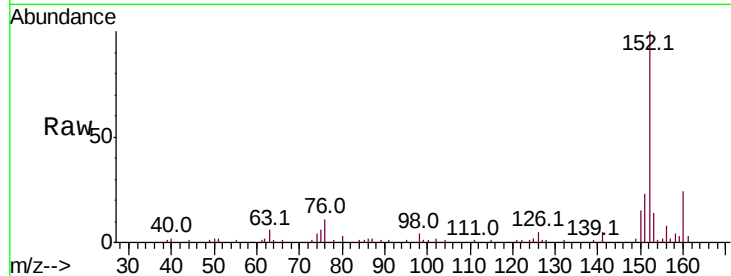
Tot Ion:152 Resp: 43715

Ion Ratio Lower Upper

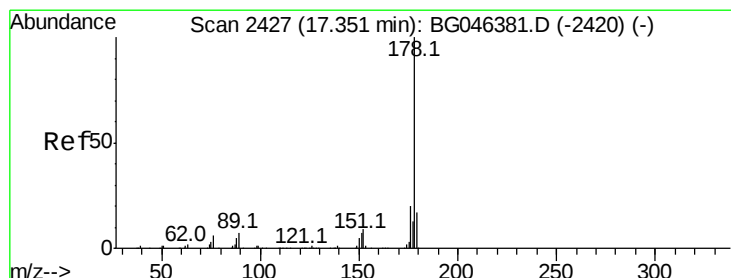
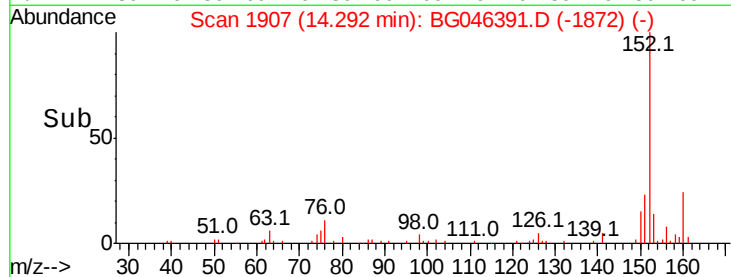
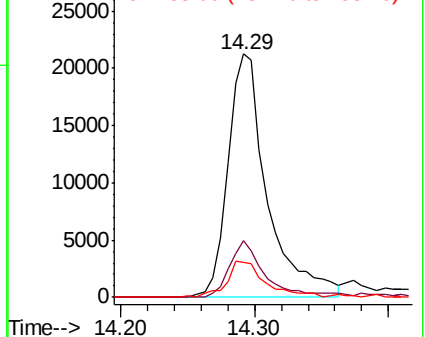
152 100

151 23.3 16.5 24.7

153 14.3 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: 21.743 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG046391.D

Acq: 20 Aug 2020 23:18

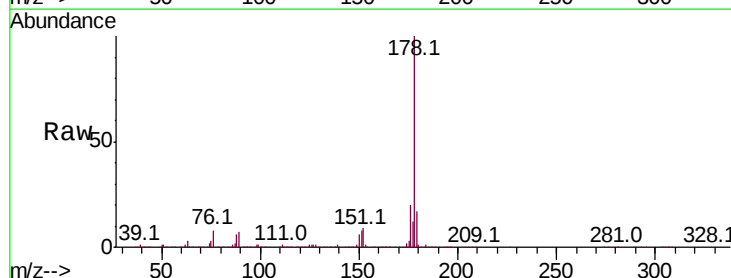
Tgt Ion:178 Resp: 612040

Ion Ratio Lower Upper

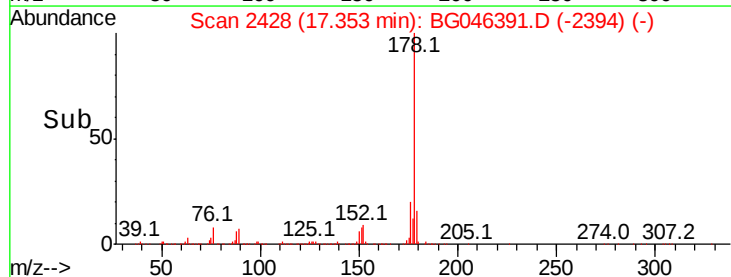
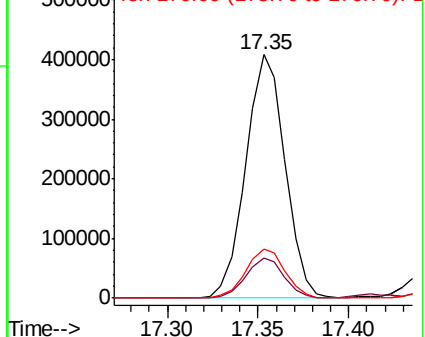
178 100

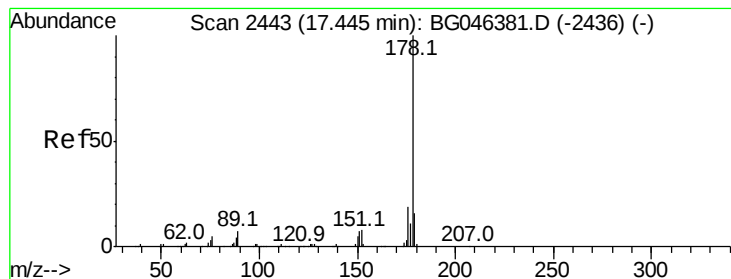
179 16.5 12.8 19.2

176 20.2 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: 2.777 ng/ul

RT: 17.45 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG046391.D

Acq: 20 Aug 2020 23:18

Instrument :

BNA_G

ClientSampleId :

BFMF7

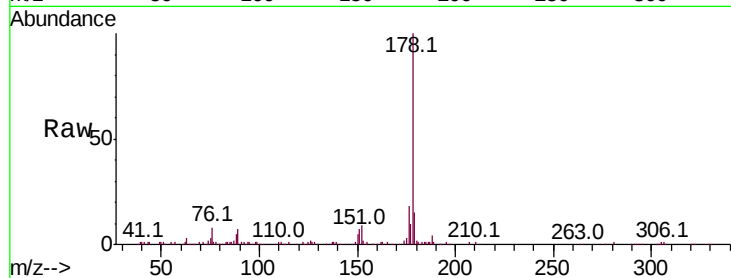
Tot Ion:178 Resp: 78871

Ion Ratio Lower Upper

178 100

179 14.8 13.2 19.8

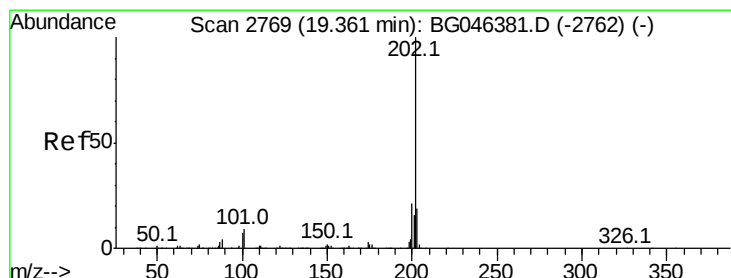
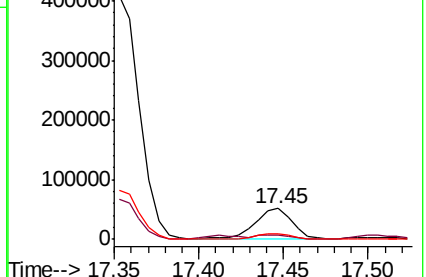
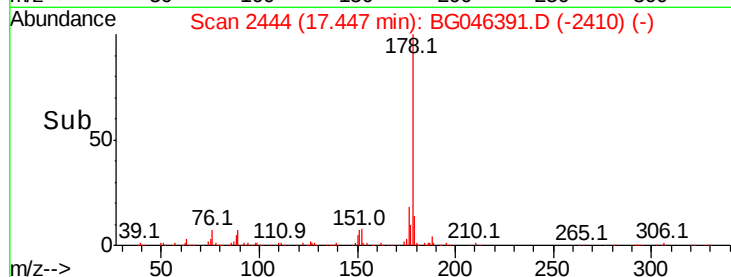
176 18.0 15.2 22.8



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: 38.197 ng/ul

RT: 19.36 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BG046391.D

Acq: 20 Aug 2020 23:18

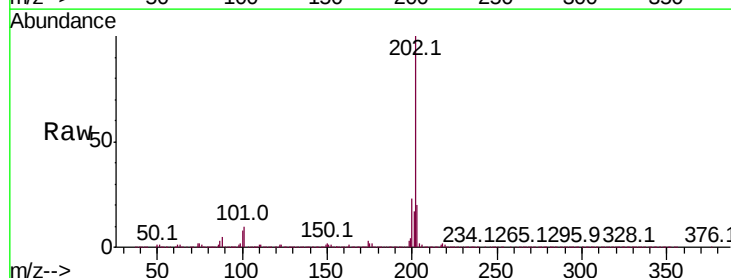
Tgt Ion:202 Resp: 1198888

Ion Ratio Lower Upper

202 100

101 10.5 7.8 11.6

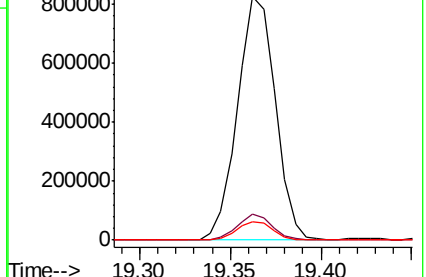
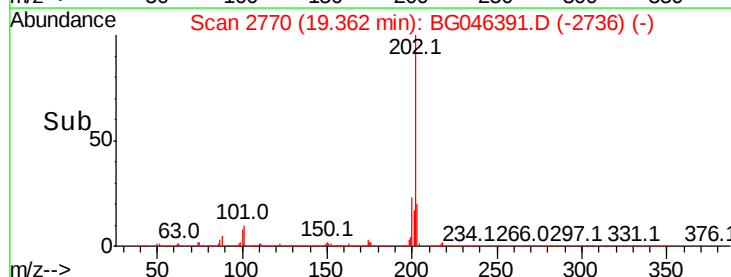
100 7.8 5.9 8.9

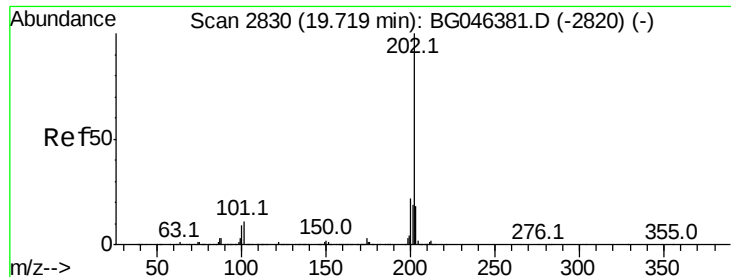


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

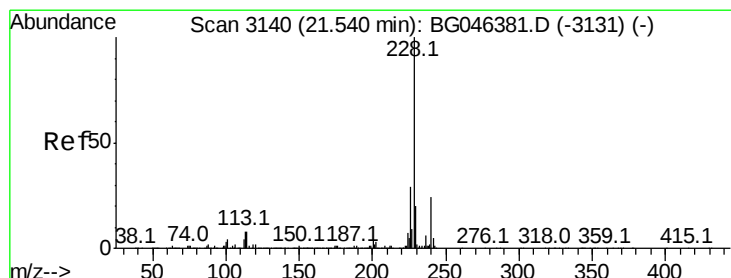
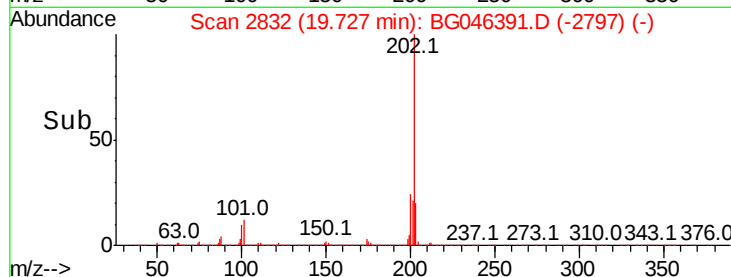
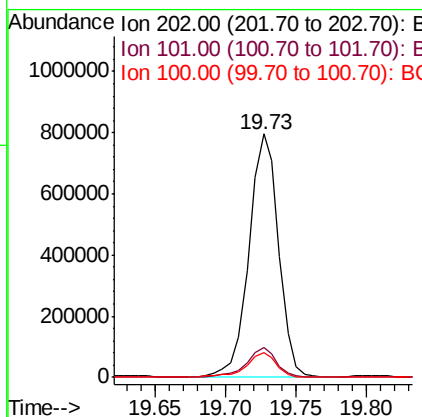
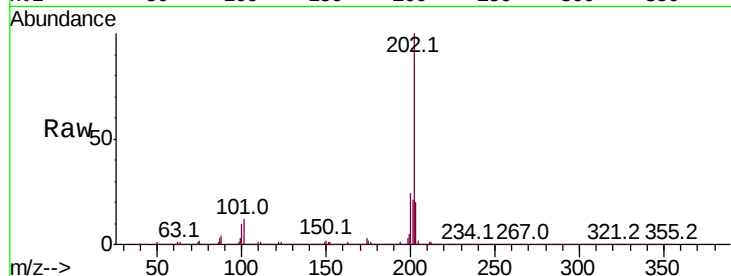




#20
Pvrene
Concen: 33.706 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.01 min
Lab File: BG046391.D
Acq: 20 Aug 2020 23:18

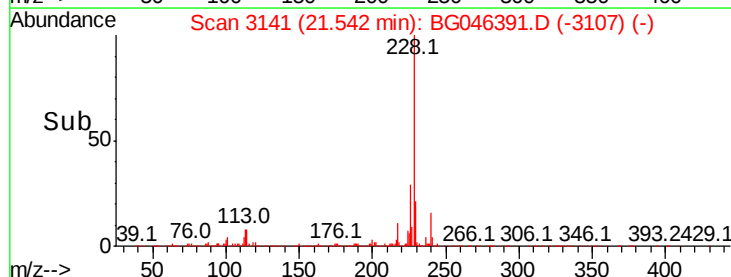
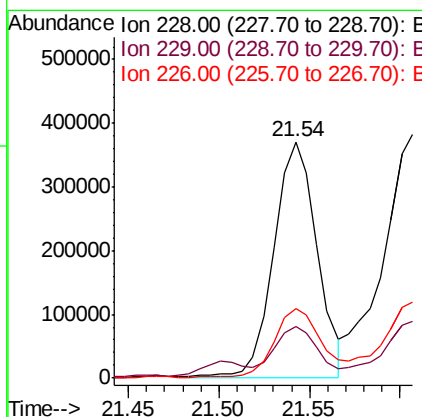
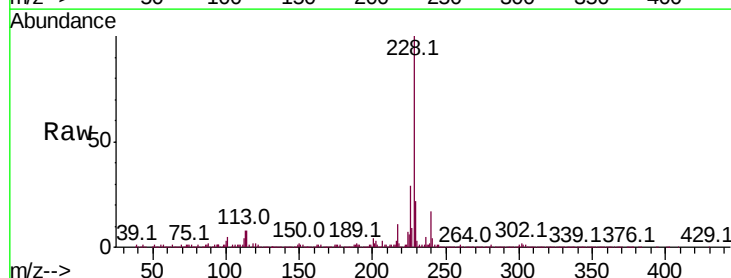
Instrument :
BNA_G
ClientSampled :
BFMF7

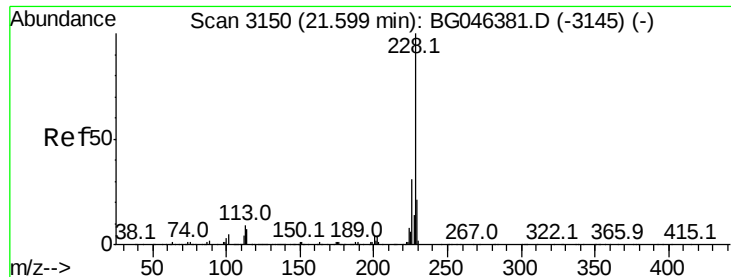
Tot Ion:202 Resp: 1163962
Ion Ratio Lower Upper
202 100
101 12.3 8.9 13.3
100 10.1 7.9 11.9



#21
Benzo(a)anthracene
Concen: 17.906 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG046391.D
Acq: 20 Aug 2020 23:18

Tgt Ion:228 Resp: 612887
Ion Ratio Lower Upper
228 100
229 21.8 16.6 25.0
226 29.3 22.6 33.8





#22

Chrysene

Concen: 21.410 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BG046391.D

Acq: 20 Aug 2020 23:18

Instrument :

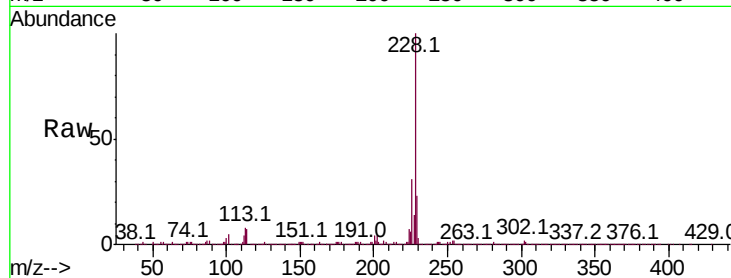
BNA_G

ClientSampleId :

BFMF7

Tot Ion:228 Resp: 708447

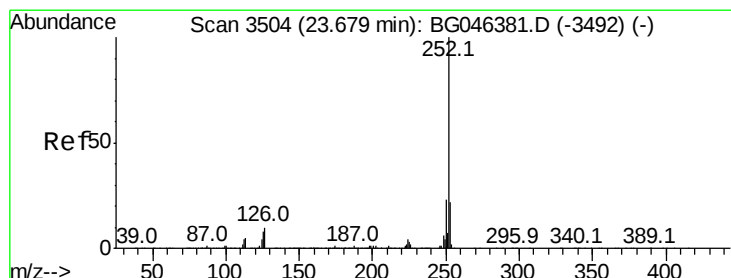
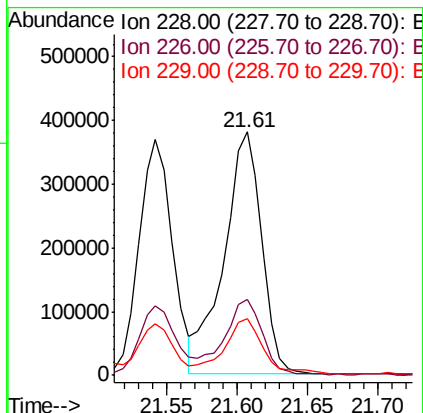
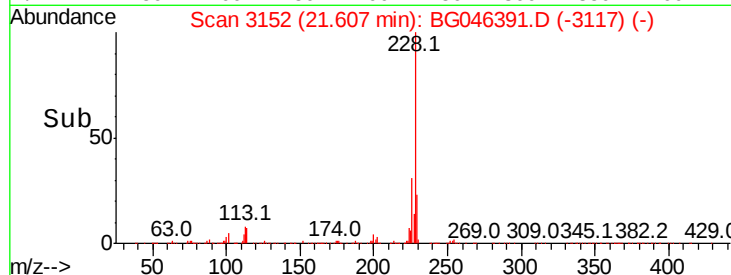
Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.5	38.3
229	23.1	17.0	25.4



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: 25.381 ng/ul

RT: 23.70 min Scan# 3508

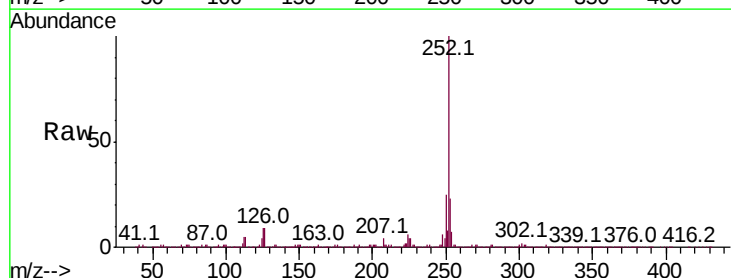
Delta R.T. 0.02 min

Lab File: BG046391.D

Acq: 20 Aug 2020 23:18

Tgt Ion:252 Resp: 951765

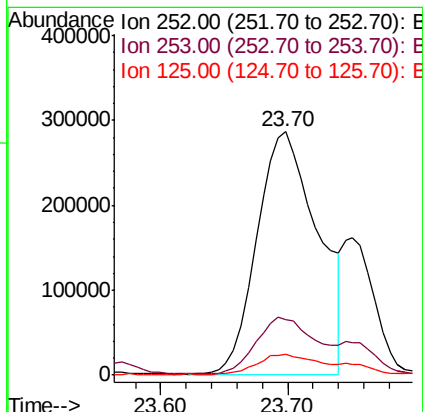
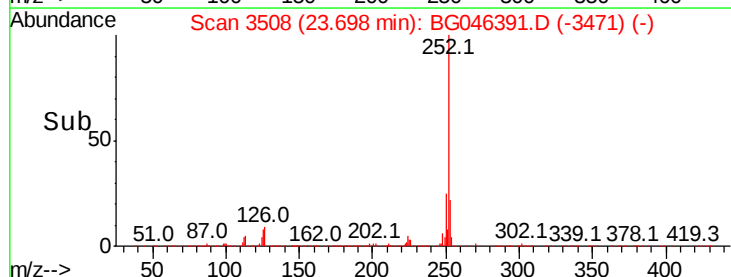
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	8.6	6.4	9.6

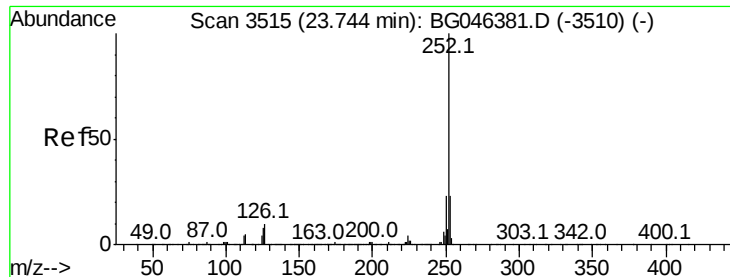


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 25.586 ng/ul

RT: 23.70 min Scan# 3508

Delta R.T. -0.05 min

Lab File: BG046391.D

Acq: 20 Aug 2020 23:18

Instrument :

BNA_G

ClientSampleId :

BFMF7

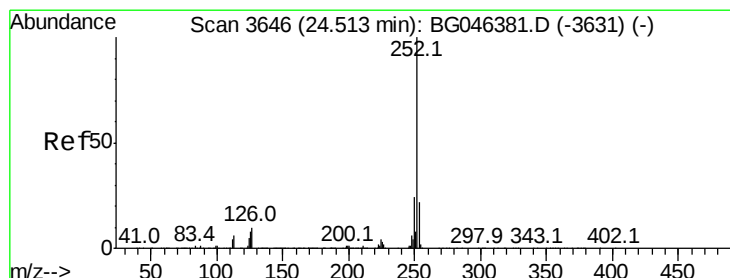
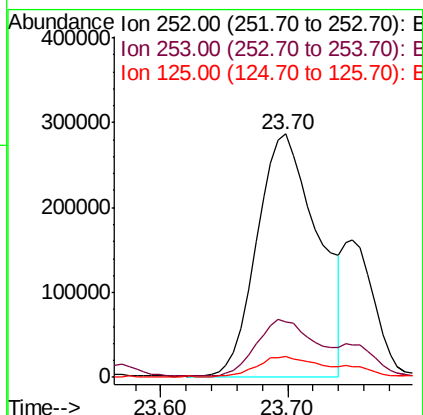
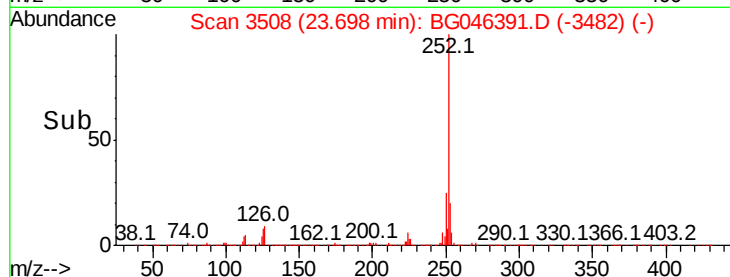
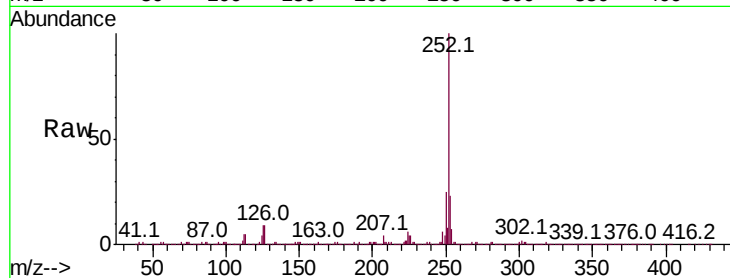
Tot Ion:252 Resp: 951765

Ion Ratio Lower Upper

252 100

253 22.8 18.5 27.7

125 8.6 6.2 9.2



#27

Benzo(a)pyrene

Concen: 18.285 ng/ul

RT: 24.53 min Scan# 3650

Delta R.T. 0.02 min

Lab File: BG046391.D

Acq: 20 Aug 2020 23:18

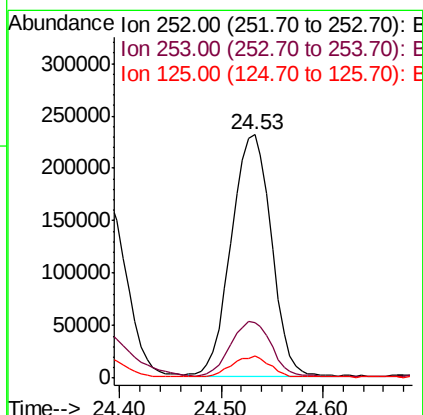
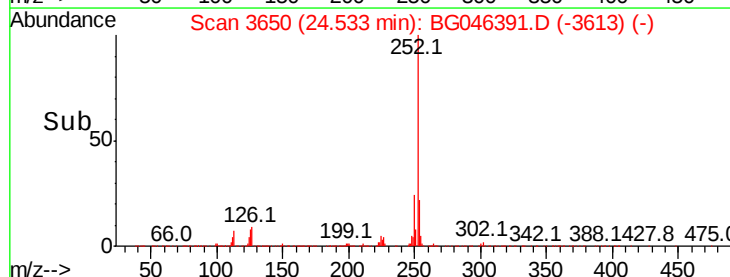
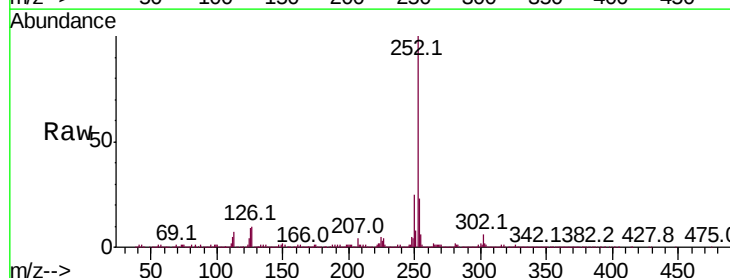
Tgt Ion:252 Resp: 629505

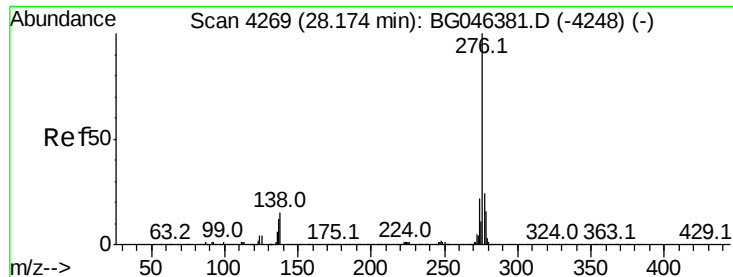
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 8.9 7.1 10.7



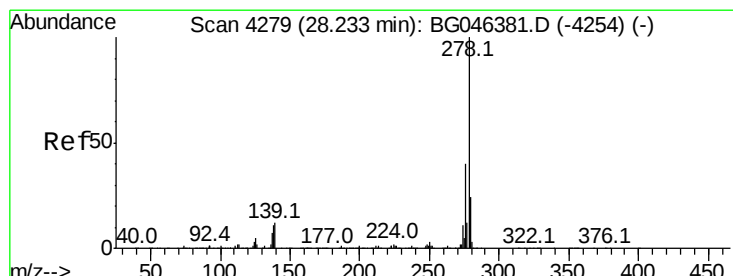
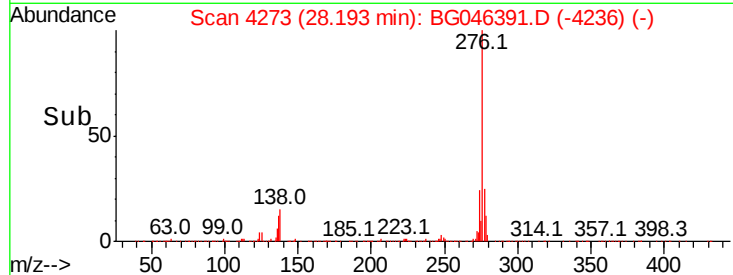
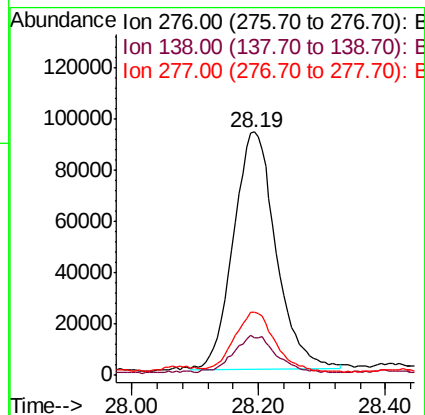
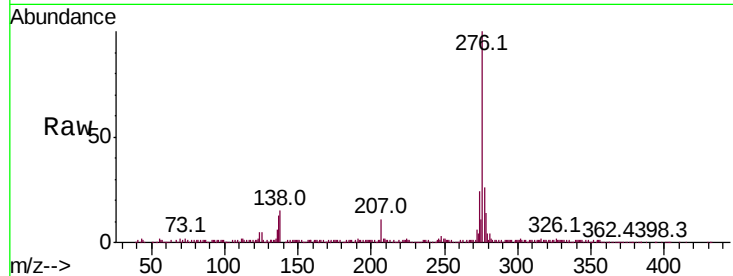


#28

Indeno(1,2,3-cd)pyrene
Concen: 10.000 ng/uL
RT: 28.19 min Scan# 4273
Delta R.T. 0.02 min
Lab File: BG046391.D
Acq: 20 Aug 2020 23:18

Instrument :
BNA_G
ClientSampleId :
BFMF7

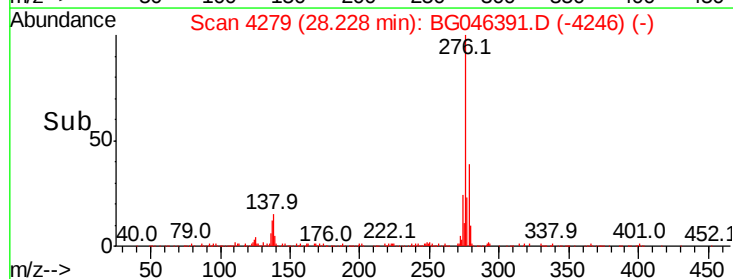
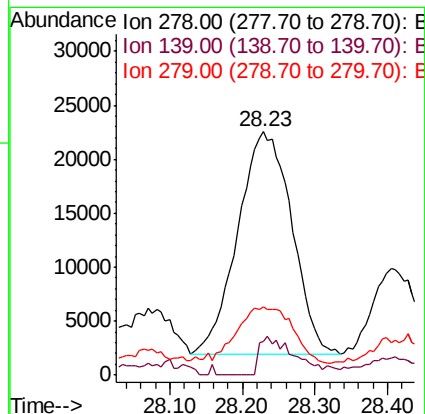
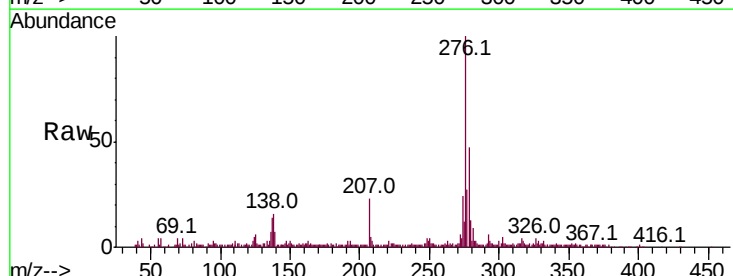
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.4	13.2	19.8
277	26.1	19.9	29.9

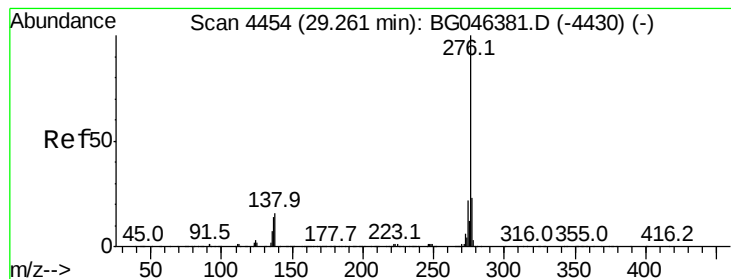


#29

Dibenzo(a,h)anthracene
Concen: 3.048 ng/uL
RT: 28.23 min Scan# 4279
Delta R.T. -0.00 min
Lab File: BG046391.D
Acq: 20 Aug 2020 23:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.9	9.8	14.8
279	28.3	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 7.489 ng/ul

RT: 29.29 min Scan# 4459

Delta R.T. 0.03 min

Lab File: BG046391.D

Acq: 20 Aug 2020 23:18

Instrument :

BNA_G

ClientSampleId :

BFMF7

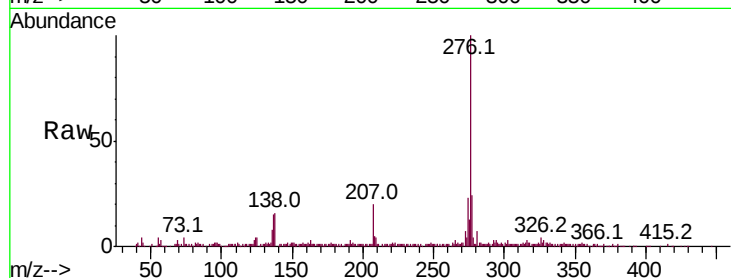
Tot Ion:276 Resp: 270182

Ion Ratio Lower Upper

276 100

138 16.1 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

