

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046317.D
 Acq On : 18 Aug 2020 5:18
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02038

Quant Time: Aug 18 05:54:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 13:50:19 2020
 Response via : Initial Calibration

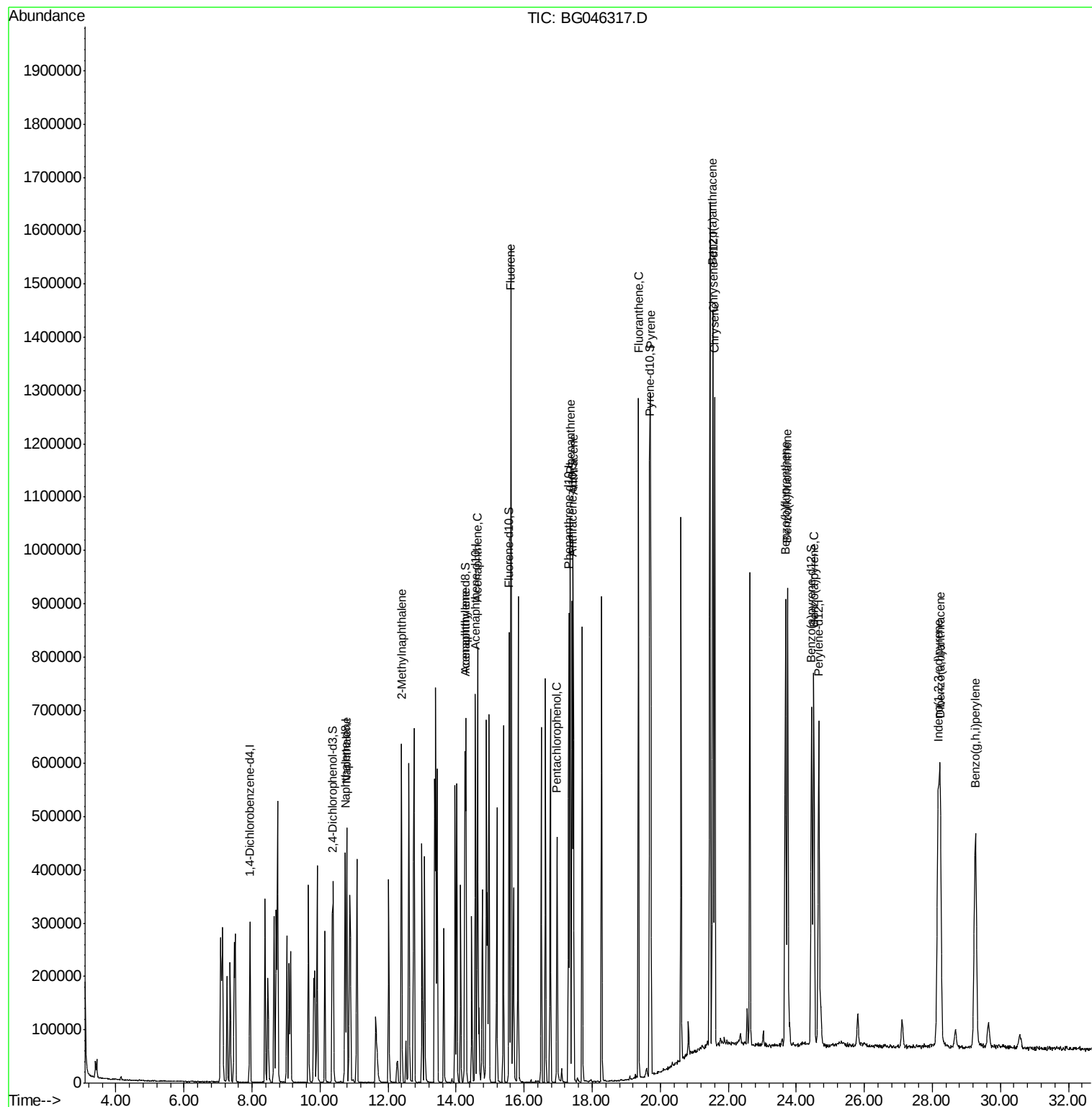
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	95153	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	385640	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	254603	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	582495	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	582687	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	628226	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	144357	21.74	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	493911	21.08	ng/ul	0.00
10) Fluorene-d10	15.56	176	369786	20.60	ng/ul	0.00
15) Anthracene-d10	17.41	188	564031	20.89	ng/ul	0.00
19) Pyrene-d10	19.69	212	640839	21.37	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	711269	20.75	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.78	128	423589	21.117	ng/ul	99
5) 2-Methylnaphthalene	12.39	142	321266	21.009	ng/ul	100
8) Acenaphthylene	14.29	152	501296	21.043	ng/ul	99
9) Acenaphthene	14.63	153	354215	20.822	ng/ul	96
11) Fluorene	15.61	166	413563	20.792	ng/ul	99
13) Pentachlorophenol	16.97	266	103981	21.583	ng/ul	99
14) Phenanthrene	17.35	178	671005	20.939	ng/ul	99
16) Anthracene	17.44	178	675794	20.901	ng/ul	98
17) Fluoranthene	19.36	202	821247	22.984	ng/ul	99
20) Pyrene	19.72	202	810763	21.198	ng/ul	99
21) Benzo(a)anthracene	21.54	228	804438	21.219	ng/ul	99
22) Chrysene	21.60	228	778436	21.240	ng/ul	100
24) Benzo(b)fluoranthene	23.68	252	856884	20.626	ng/ul	98
25) Benzo(k)fluoranthene	23.75	252	855040	20.748	ng/ul	100
27) Benzo(a)pyrene	24.52	252	759084	19.903	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.17	276	1003838	21.020	ng/ul	97
29) Dibenzo(a,h)anthracene	28.23	278	832316	21.496	ng/ul	99
30) Benzo(g,h,i)perylene	29.27	276	815549	20.406	ng/ul	99

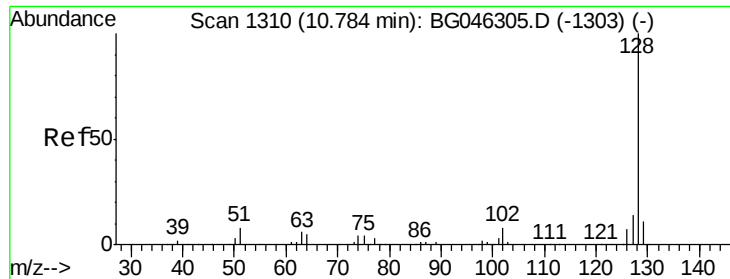
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046317.D
Acq On : 18 Aug 2020 5:18
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD02038

Quant Time: Aug 18 05:54:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 13 13:50:19 2020
Response via : Initial Calibration





#4

Naphthalene

Concen: 21.117 ng/ul

RT: 10.78 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

Instrument :

BNA_G

ClientSampleId :

SSTD02038

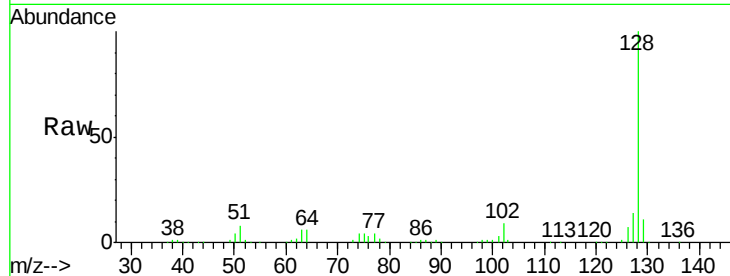
Tot Ion:128 Resp: 423589

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

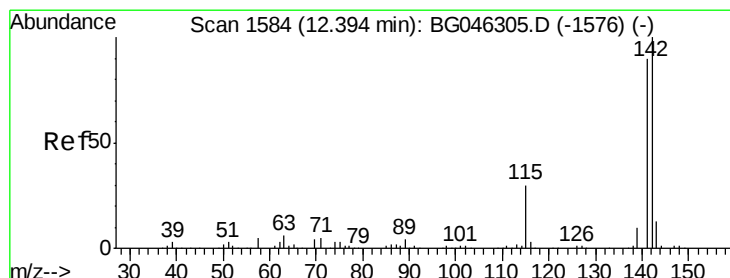
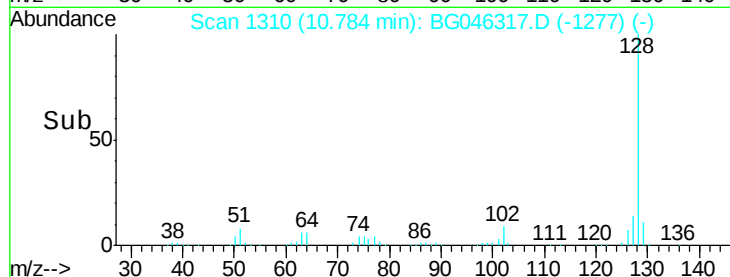
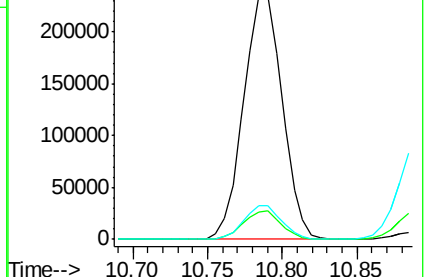
127 13.9 10.9 16.3



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: 21.009 ng/ul

RT: 12.39 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BG046317.D

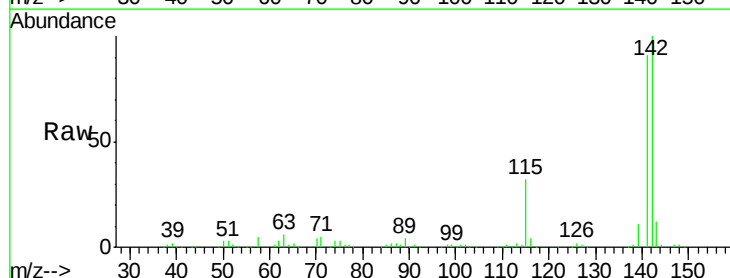
Acq: 18 Aug 2020 5:18

Tgt Ion:142 Resp: 321266

Ion Ratio Lower Upper

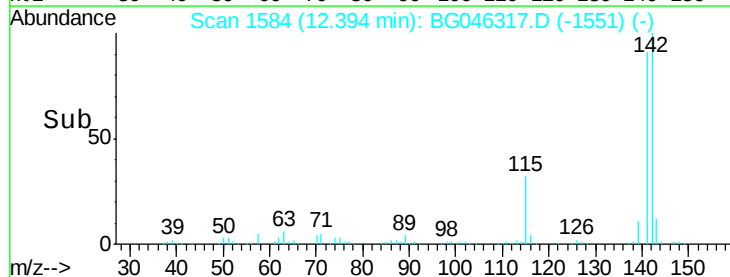
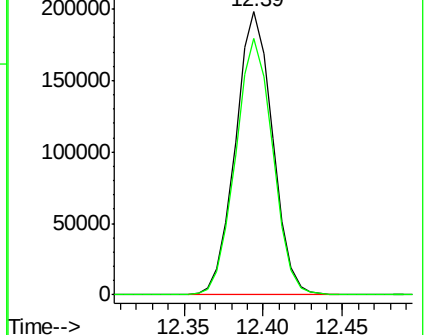
142 100

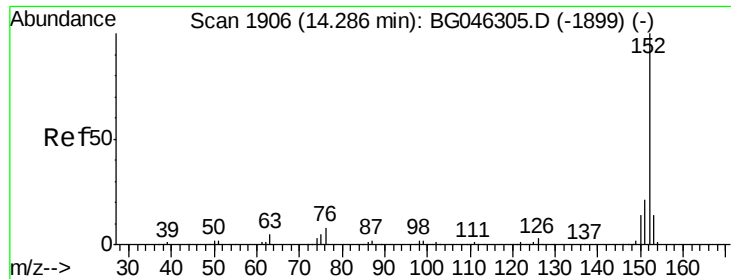
141 90.6 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.043 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

Instrument :

BNA_G

ClientSampleId :

SSTD02038

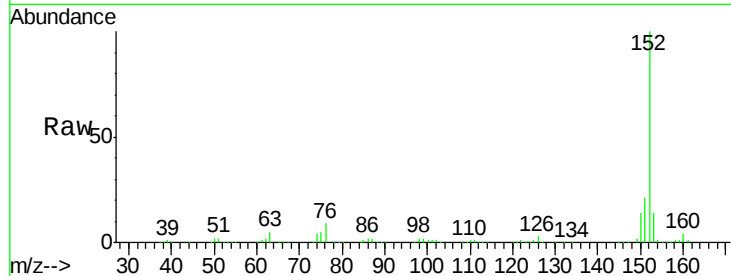
Tot Ion:152 Resp: 501296

Ion Ratio Lower Upper

152 100

151 20.9 16.5 24.7

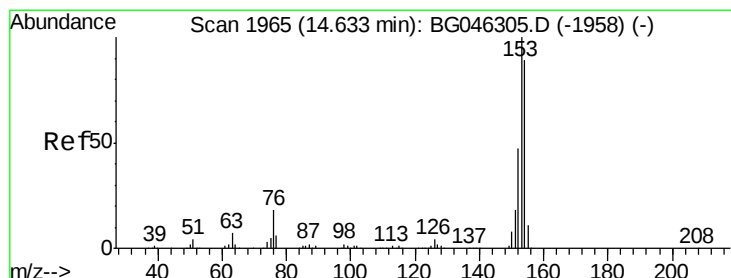
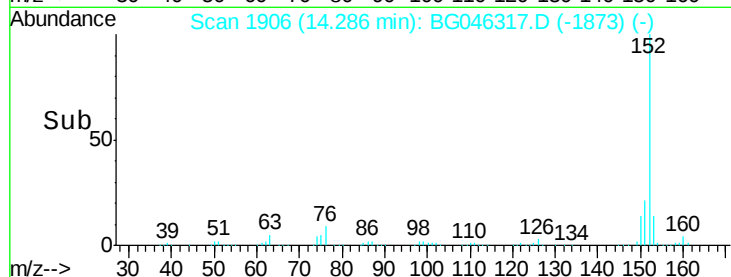
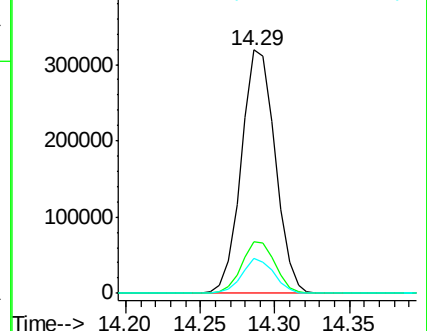
153 14.2 11.0 16.6



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: 20.822 ng/ul

RT: 14.63 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

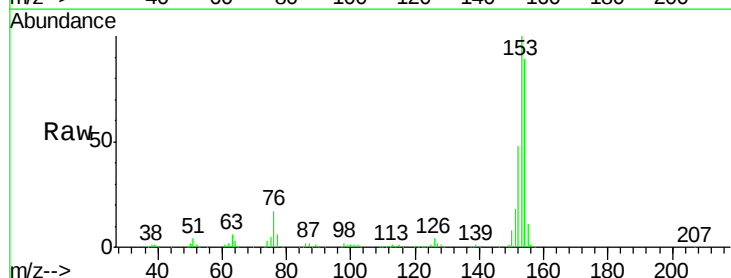
Tgt Ion:153 Resp: 354215

Ion Ratio Lower Upper

153 100

152 48.2 37.2 55.8

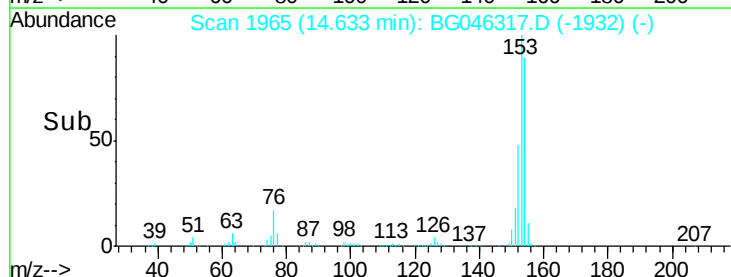
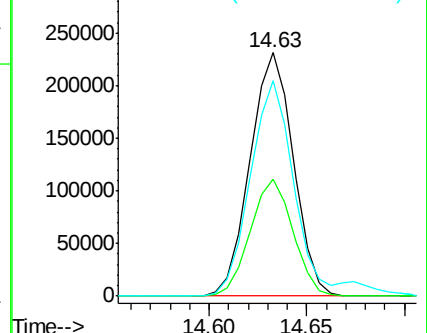
154 88.6 67.8 101.6

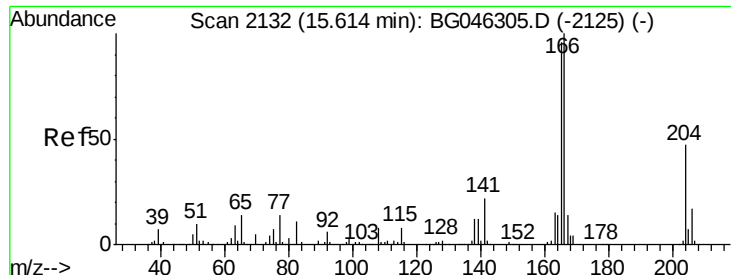


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 20.792 ng/ul

RT: 15.61 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

Instrument :

BNA_G

ClientSampleId :

SSTD02038

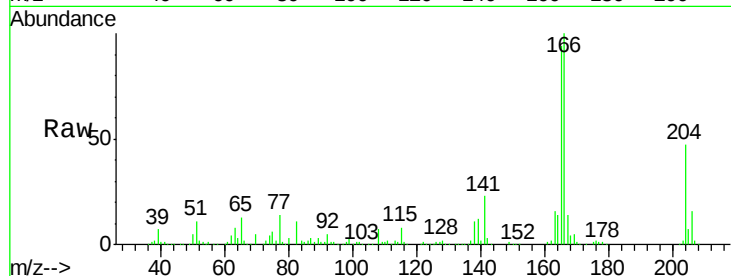
Tot Ion:166 Resp: 413563

Ion Ratio Lower Upper

166 100

165 94.3 75.9 113.9

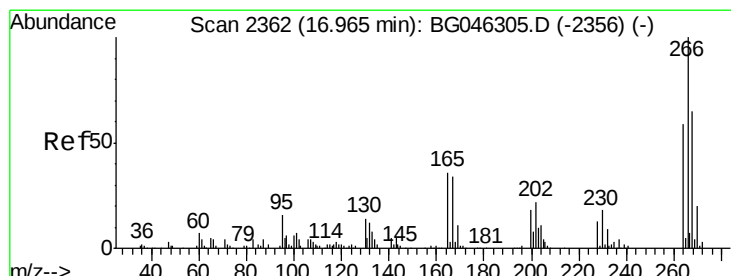
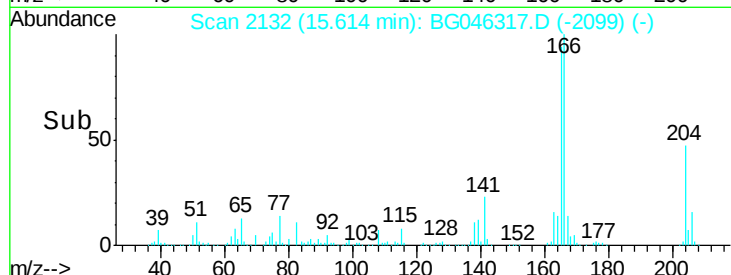
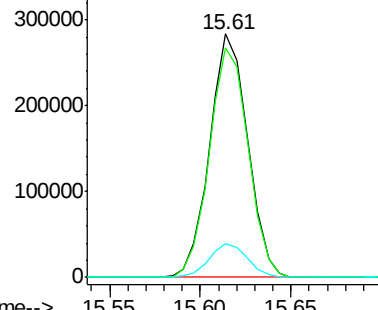
167 14.0 10.7 16.1



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



#13

Pentachlorophenol

Concen: 21.583 ng/ul

RT: 16.97 min Scan# 2362

Delta R.T. -0.00 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

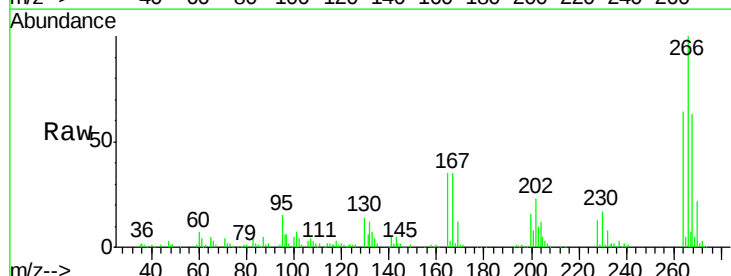
Tgt Ion:266 Resp: 103981

Ion Ratio Lower Upper

266 100

264 64.1 50.2 75.2

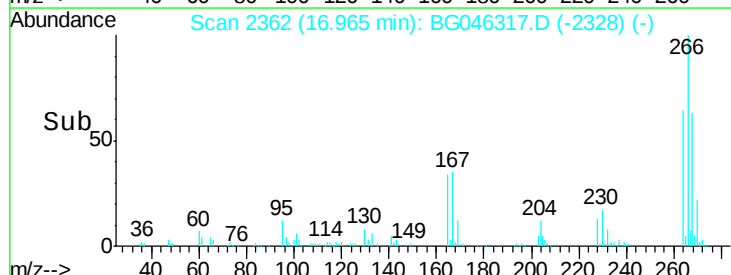
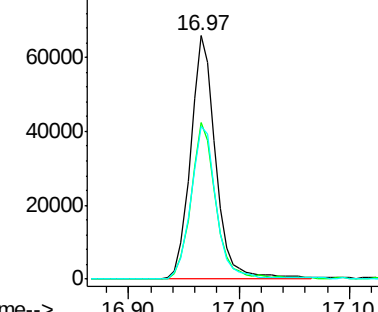
268 62.6 49.7 74.5

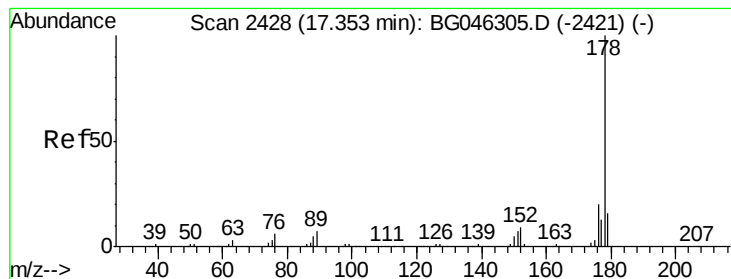


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 20.939 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

Instrument :

BNA_G

ClientSampleId :

SSTD02038

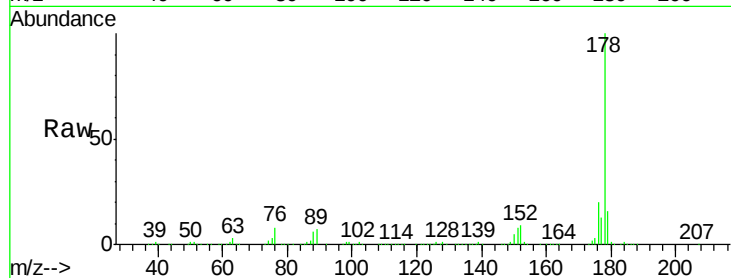
Tot Ion:178 Resp: 671005

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

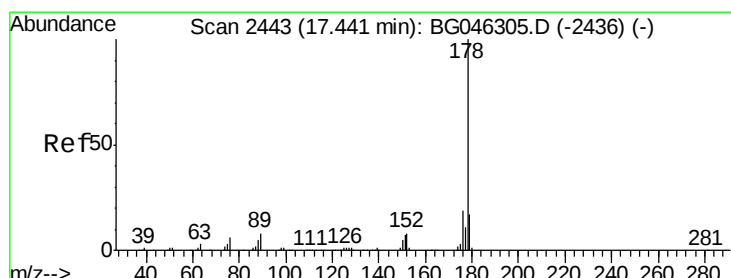
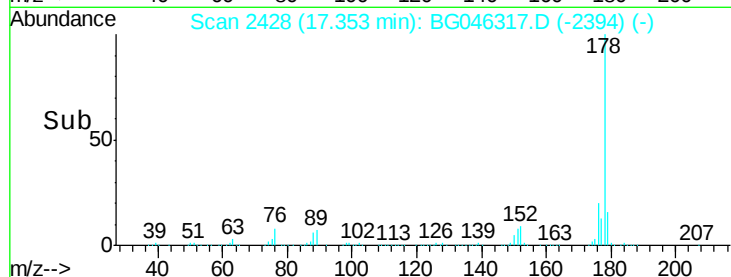
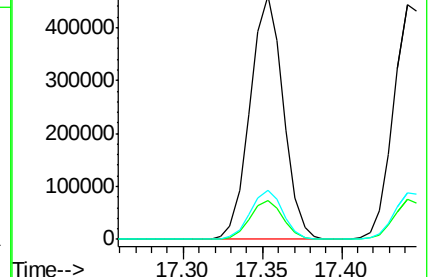
176 20.2 15.8 23.8



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: 20.901 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

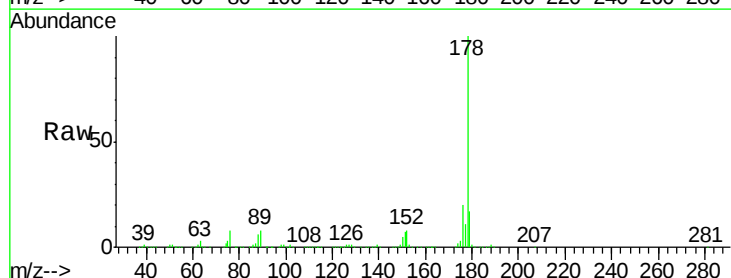
Tgt Ion:178 Resp: 675794

Ion Ratio Lower Upper

178 100

179 17.0 13.2 19.8

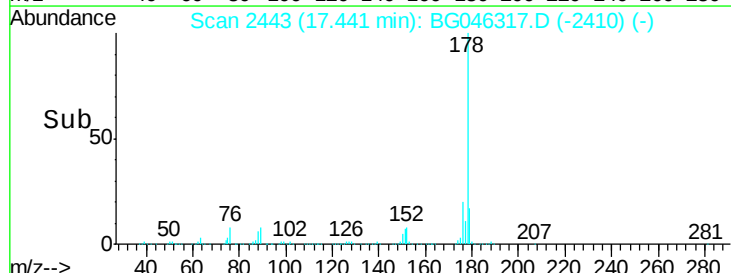
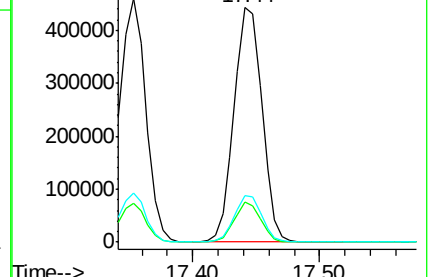
176 20.0 15.2 22.8

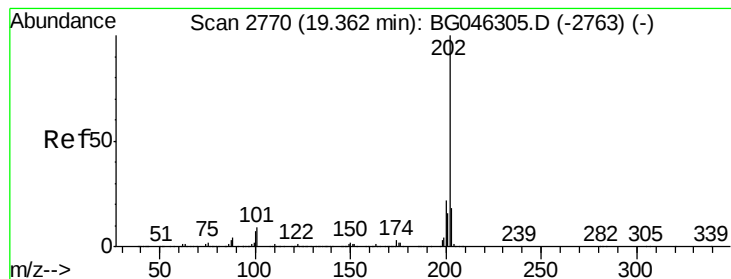


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 22.984 ng/ul

RT: 19.36 min Scan# 2770

Delta R.T. -0.00 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

Instrument :

BNA_G

ClientSampleId :

SSTD02038

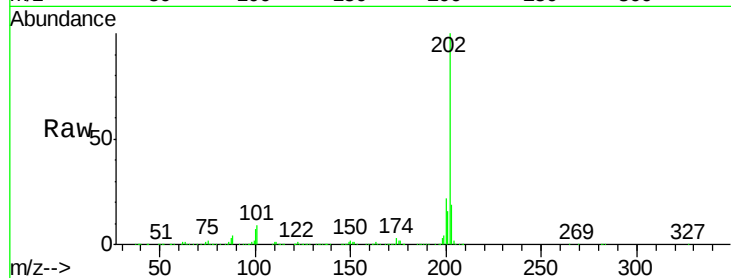
Tot Ion:202 Resp: 821247

Ion Ratio Lower Upper

202 100

101 9.5 7.8 11.6

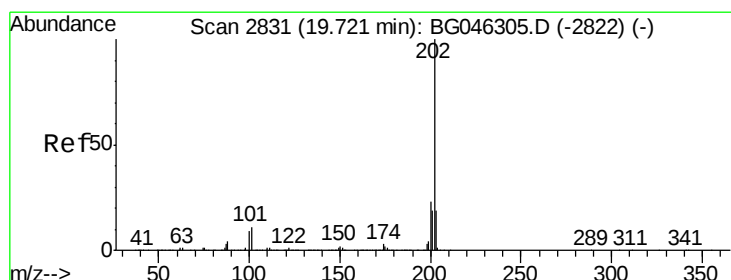
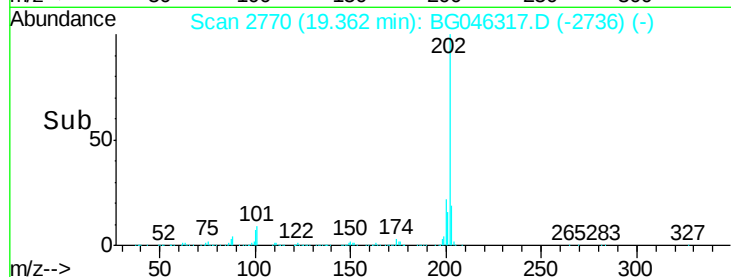
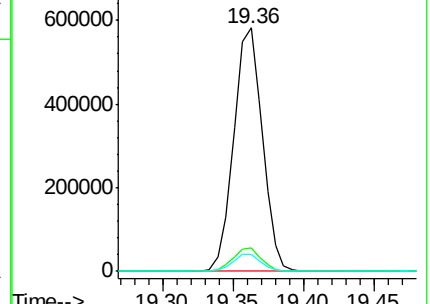
100 6.7 5.9 8.9



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

Pyrene

Concen: 21.198 ng/ul

RT: 19.72 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

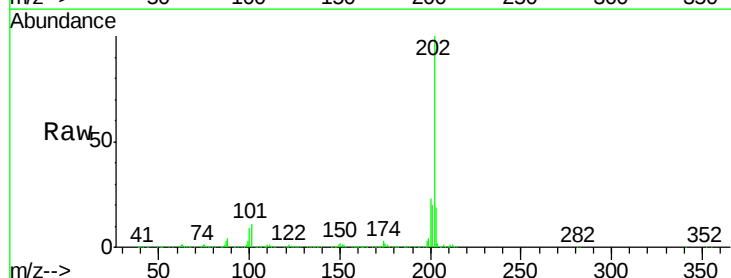
Tgt Ion:202 Resp: 810763

Ion Ratio Lower Upper

202 100

101 11.4 8.9 13.3

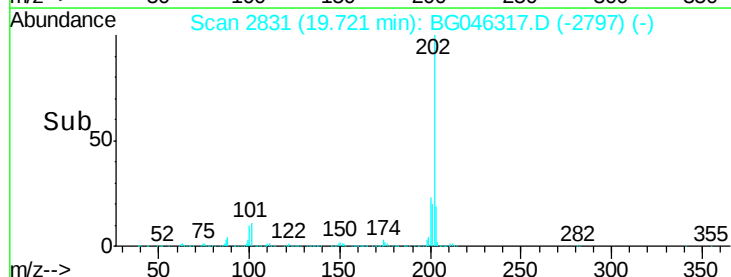
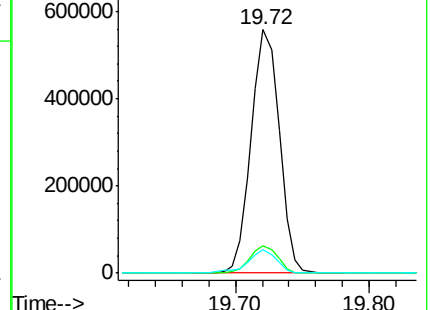
100 9.5 7.9 11.9

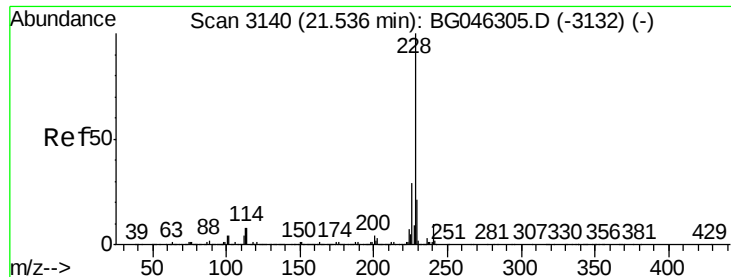


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

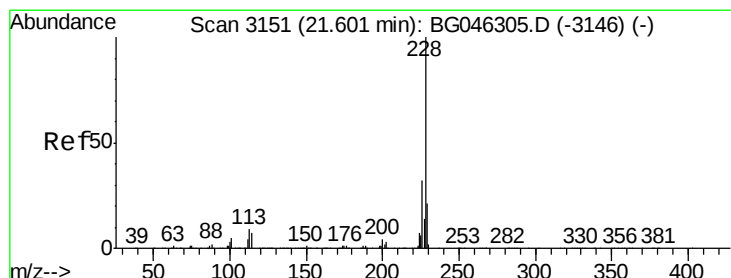
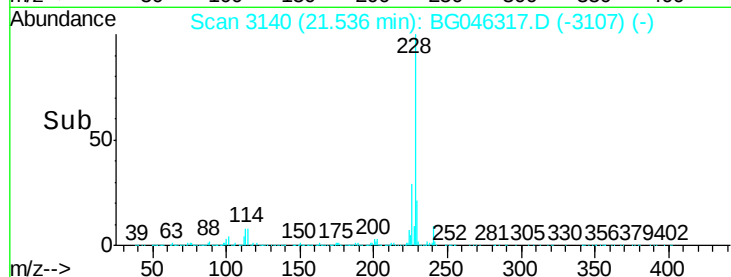
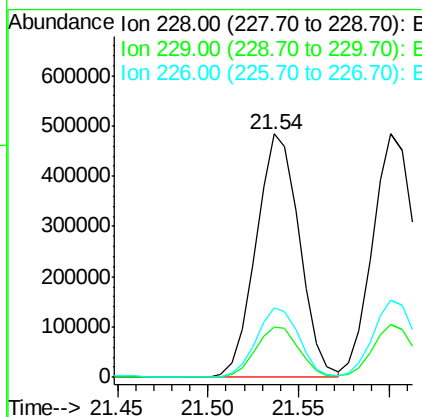
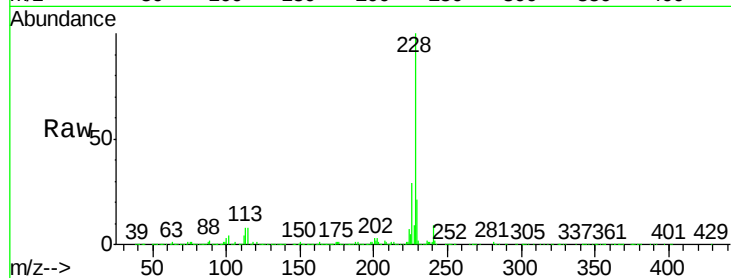




#21
Benzo(a)anthracene
Concen: 21.219 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046317.D
Acq: 18 Aug 2020 5:18

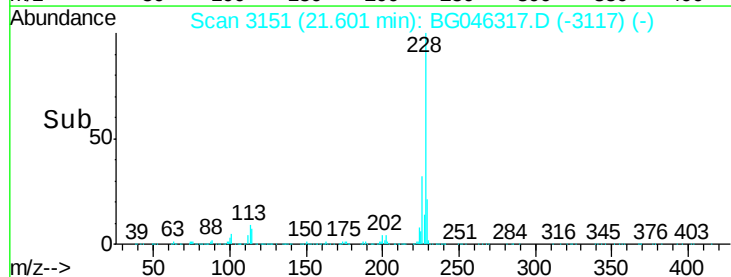
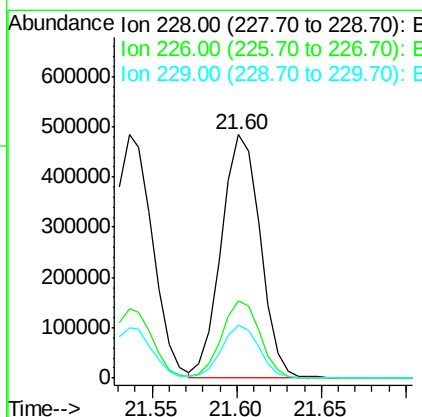
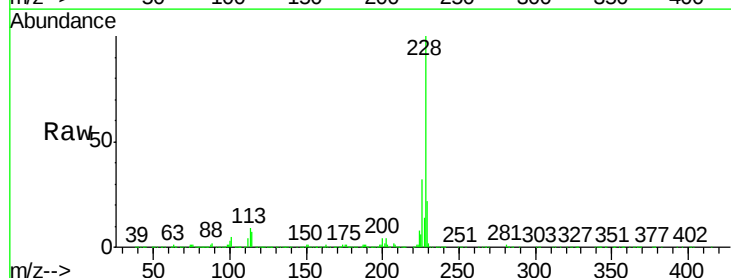
Instrument :
BNA_G
ClientSampleId :
SSTD02038

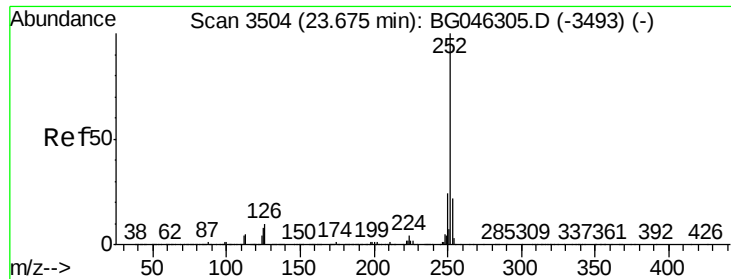
Tot Ion:228 Resp: 804438
Ion Ratio Lower Upper
228 100
229 20.7 16.6 25.0
226 28.7 22.6 33.8



#22
Chrysene
Concen: 21.240 ng/ul
RT: 21.60 min Scan# 3151
Delta R.T. -0.00 min
Lab File: BG046317.D
Acq: 18 Aug 2020 5:18

Tgt Ion:228 Resp: 778436
Ion Ratio Lower Upper
228 100
226 31.8 25.5 38.3
229 21.5 17.0 25.4





#24

Benzo(b)fluoranthene

Concen: 20.626 ng/ul

RT: 23.68 min Scan# 3505

Delta R.T. -0.00 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

Instrument :

BNA_G

ClientSampleId :

SSTD02038

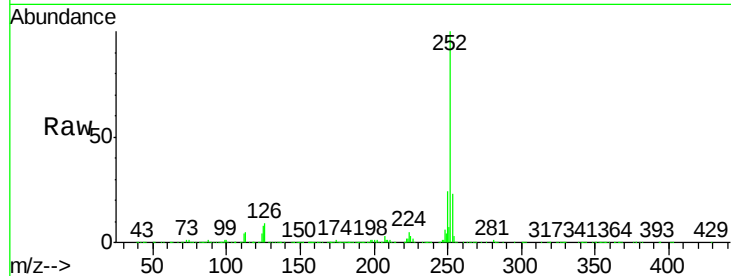
Tot Ion:252 Resp: 856884

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

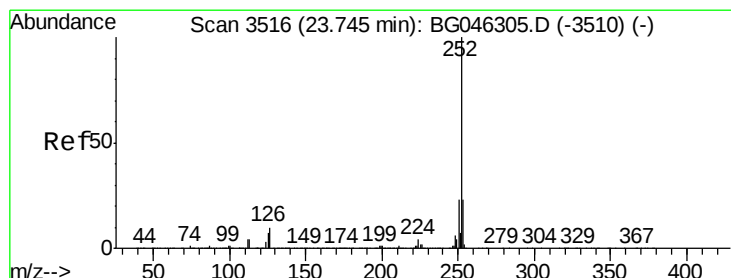
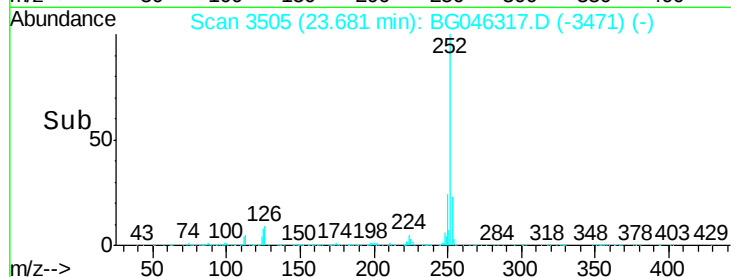
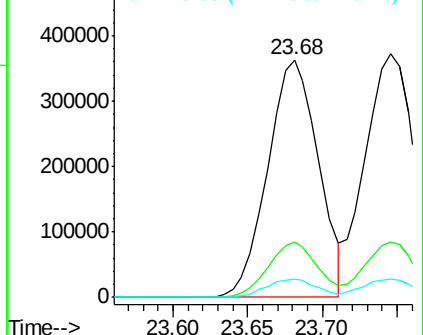
125 7.7 6.4 9.6



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: 20.748 ng/ul

RT: 23.75 min Scan# 3516

Delta R.T. -0.00 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

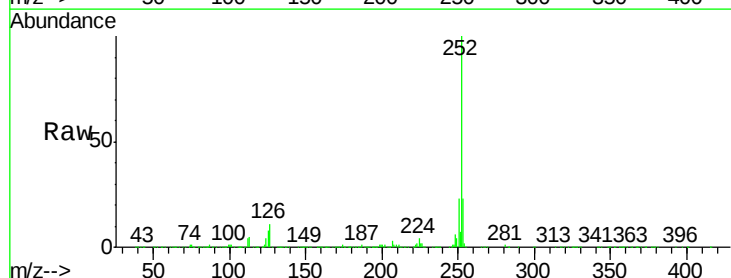
Tgt Ion:252 Resp: 855040

Ion Ratio Lower Upper

252 100

253 23.0 18.5 27.7

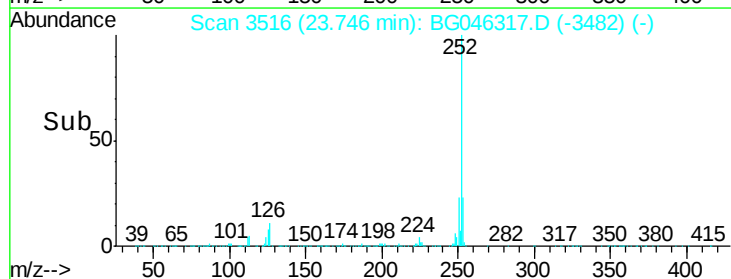
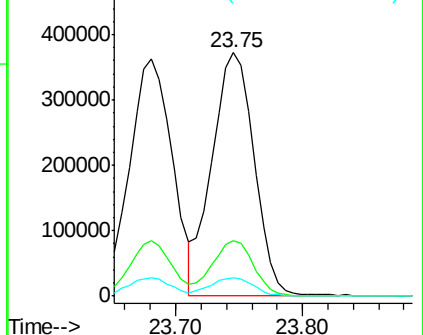
125 7.8 6.2 9.2

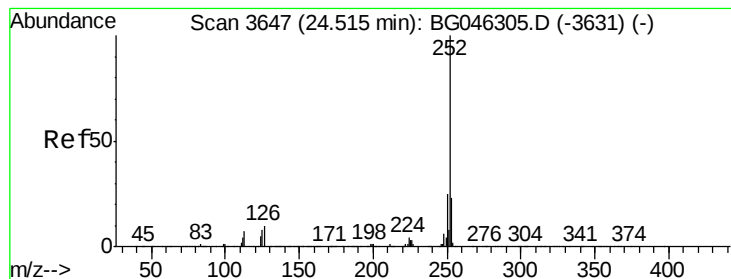


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 19.903 ng/ul

RT: 24.52 min Scan# 3648

Delta R.T. -0.00 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

Instrument :

BNA_G

ClientSampleId :

SSTD02038

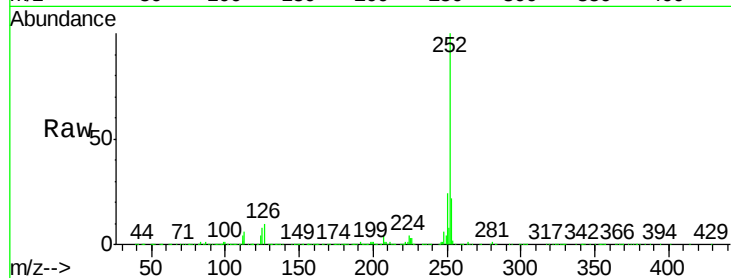
Tot Ion:252 Resp: 759084

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

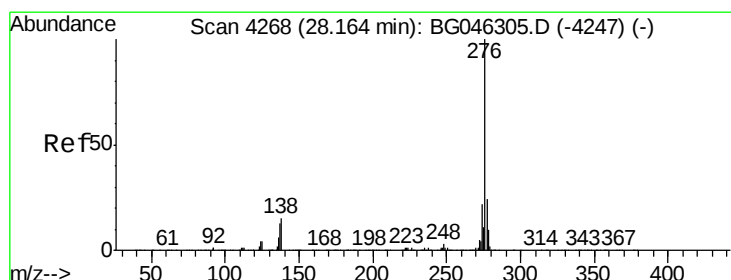
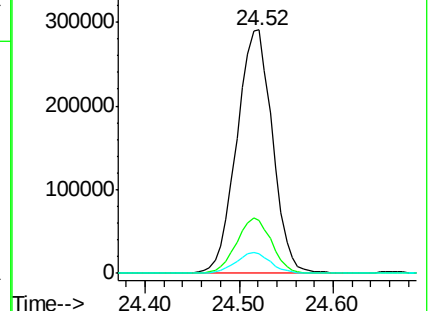
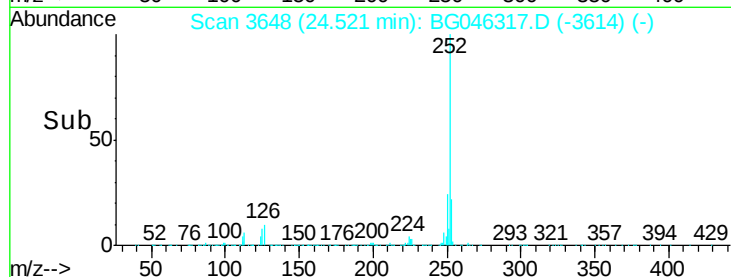
125 8.0 7.1 10.7



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: 21.020 ng/ul

RT: 28.17 min Scan# 4269

Delta R.T. -0.00 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

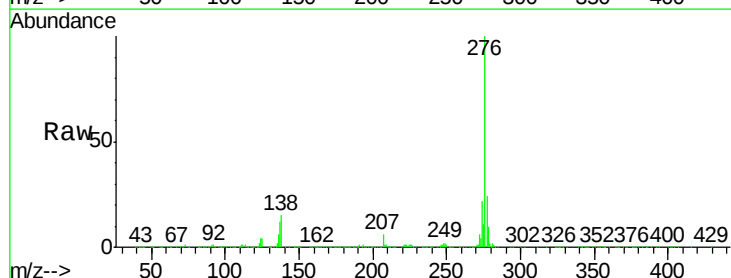
Tgt Ion:276 Resp: 1003838

Ion Ratio Lower Upper

276 100

138 14.8 13.2 19.8

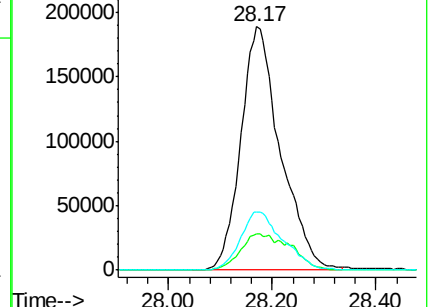
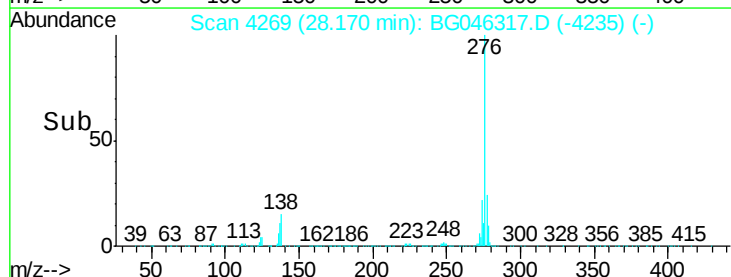
277 24.0 19.9 29.9

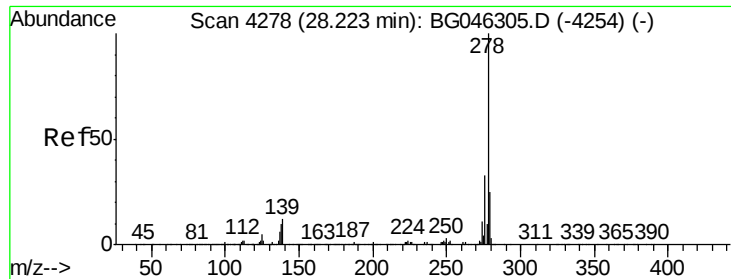


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 21.496 ng/ul

RT: 28.23 min Scan# 4280

Delta R.T. -0.00 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

Instrument :

BNA_G

ClientSampleId :

SSTD02038

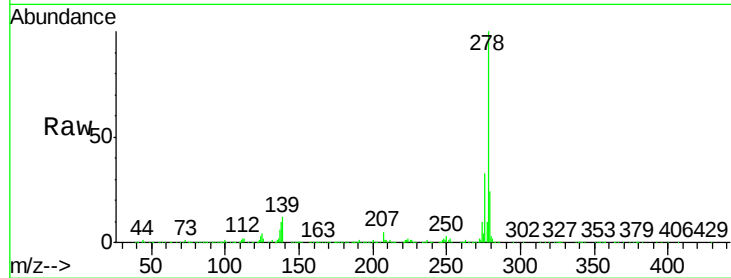
Tot Ion:278 Resp: 832316

Ion Ratio Lower Upper

278 100

139 12.1 9.8 14.8

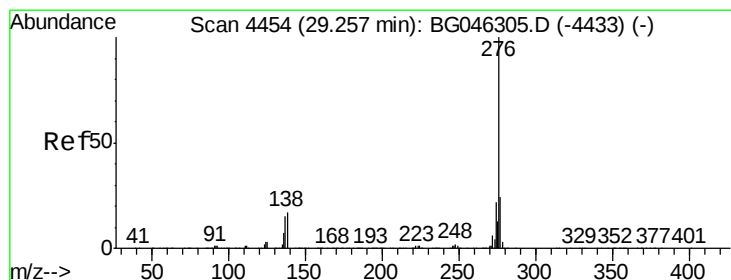
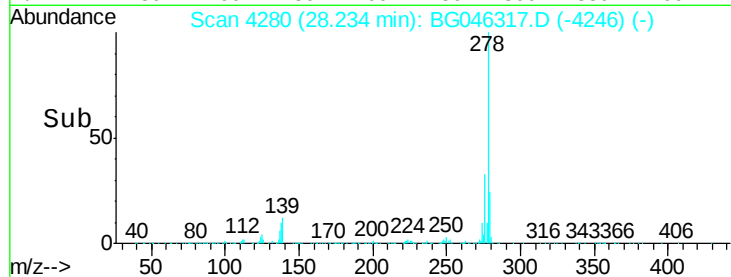
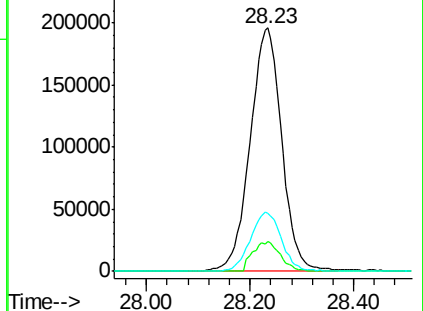
279 24.1 19.7 29.5



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: 20.406 ng/ul

RT: 29.27 min Scan# 4456

Delta R.T. 0.00 min

Lab File: BG046317.D

Acq: 18 Aug 2020 5:18

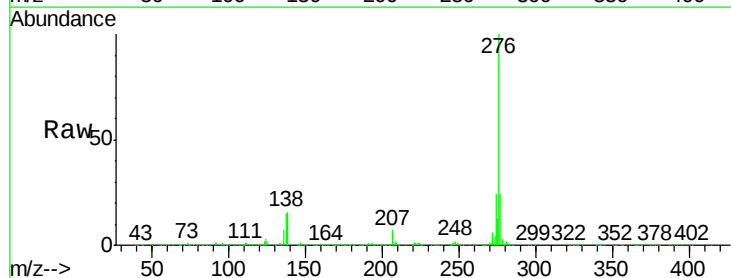
Tgt Ion:276 Resp: 815549

Ion Ratio Lower Upper

276 100

138 16.3 12.9 19.3

277 23.8 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

