

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046305.D
 Acq On : 17 Aug 2020 19:53
 Operator : CG/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02037

Quant Time: Aug 18 01:26:13 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

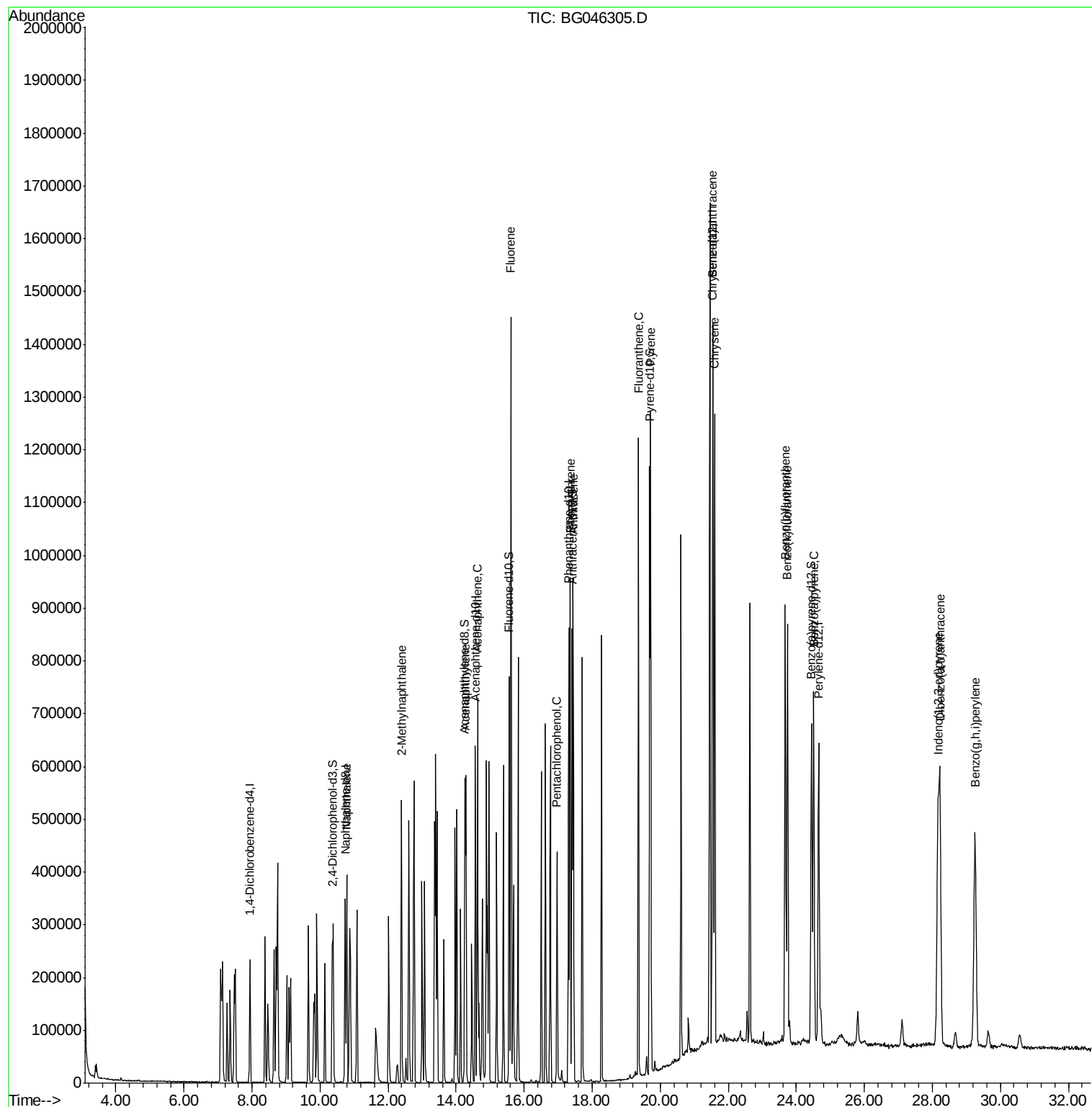
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	72405	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	309392	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	222143	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	552529	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	559777	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	595217	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	116306	21.83	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	435970	21.33	ng/ul	0.00
10) Fluorene-d10	15.56	176	336882	21.50	ng/ul	0.00
15) Anthracene-d10	17.41	188	534488	20.87	ng/ul	0.00
19) Pyrene-d10	19.69	212	621300	21.56	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.44	264	674197	20.76	ng/ul	-0.01
Target Compounds				Qvalue		
4) Naphthalene	10.78	128	338397	21.027	ng/ul	99
5) 2-Methylnaphthalene	12.39	142	268060	21.850	ng/ul	99
8) Acenaphthylene	14.29	152	441594	21.246	ng/ul	99
9) Acenaphthene	14.63	153	311894	21.013	ng/ul	97
11) Fluorene	15.61	166	380709	21.937	ng/ul	99
13) Pentachlorophenol	16.97	266	97372	21.308	ng/ul	96
14) Phenanthrene	17.35	178	628783	20.686	ng/ul	100
16) Anthracene	17.44	178	634577	20.691	ng/ul	99
17) Fluoranthene	19.36	202	791536	23.353	ng/ul	98
20) Pyrene	19.72	202	783358	21.319	ng/ul	99
21) Benzo(a)anthracene	21.54	228	776362	21.316	ng/ul	100
22) Chrysene	21.60	228	751366	21.341	ng/ul	100
24) Benzo(b)fluoranthene	23.67	252	828766	21.056	ng/ul	100
25) Benzo(k)fluoranthene	23.75	252	796536	20.400	ng/ul	100
27) Benzo(a)pyrene	24.52	252	728386	20.157	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.16	276	952901	21.060	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	795002	21.671	ng/ul	99
30) Benzo(g,h,i)perylene	29.26	276	791409	20.900	ng/ul	99

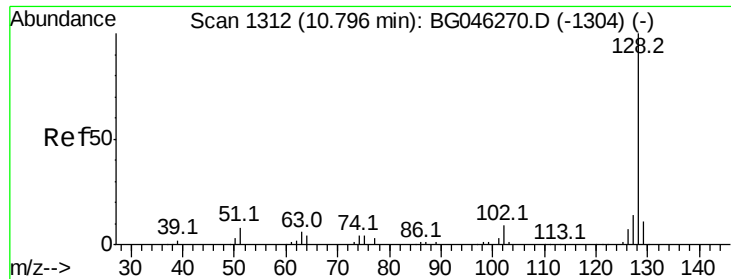
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046305.D
Acq On : 17 Aug 2020 19:53
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD02037

Quant Time: Aug 18 01:26:13 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: 21.027 ng/ul

RT: 10.78 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG046305.D

Acq: 17 Aug 2020 19:53

Instrument :

BNA_G

ClientSampleId :

SSTD02037

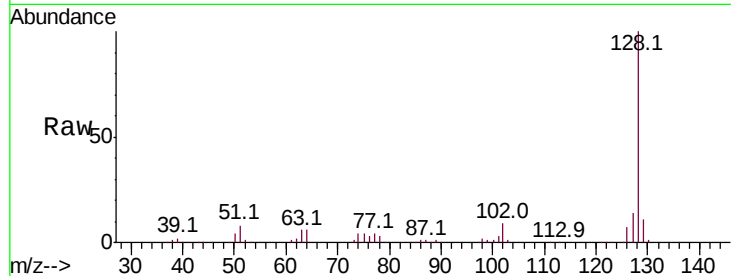
Tot Ion:128 Resp: 338397

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

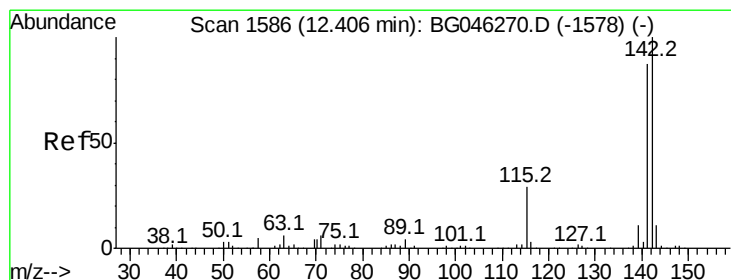
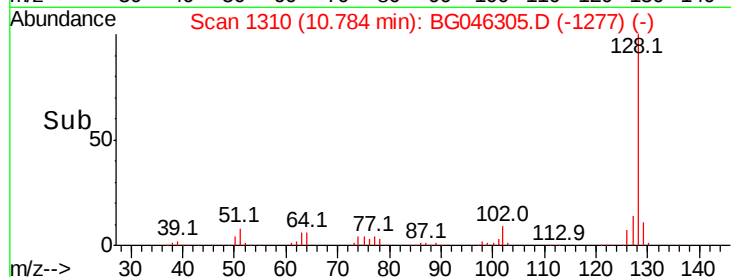
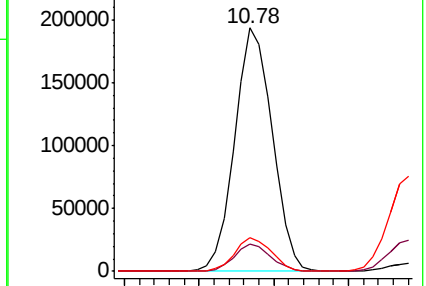
127 14.0 10.9 16.3



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: 21.850 ng/ul

RT: 12.39 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BG046305.D

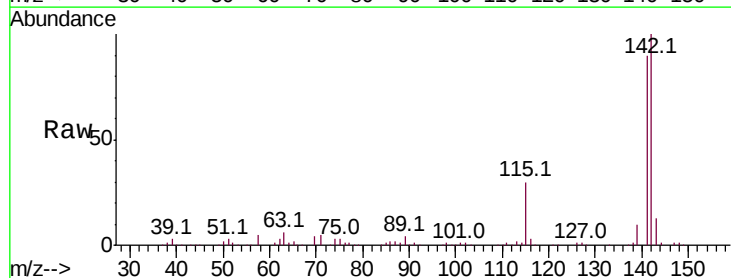
Acq: 17 Aug 2020 19:53

Tgt Ion:142 Resp: 268060

Ion Ratio Lower Upper

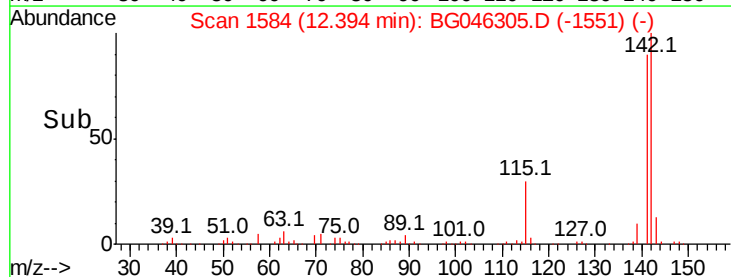
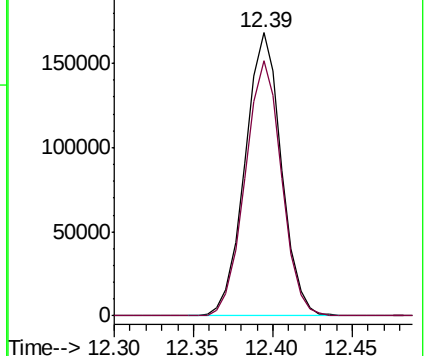
142 100

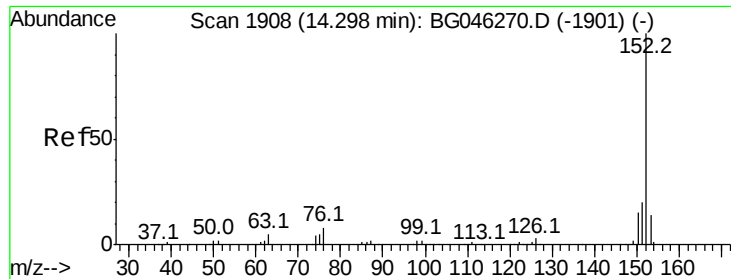
141 90.1 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.246 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BG046305.D

Acq: 17 Aug 2020 19:53

Instrument :

BNA_G

ClientSampleId :

SSTD02037

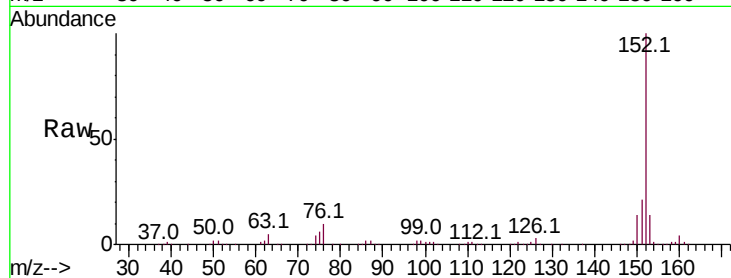
Tot Ion:152 Resp: 441594

Ion Ratio Lower Upper

152 100

151 21.0 16.5 24.7

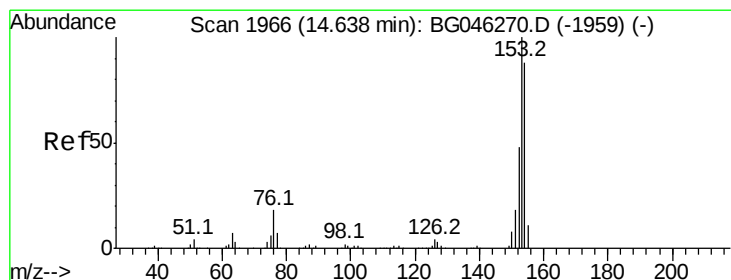
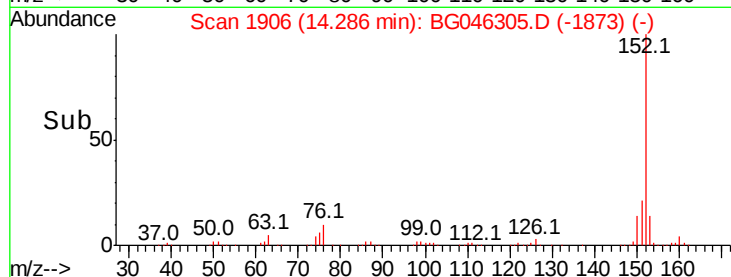
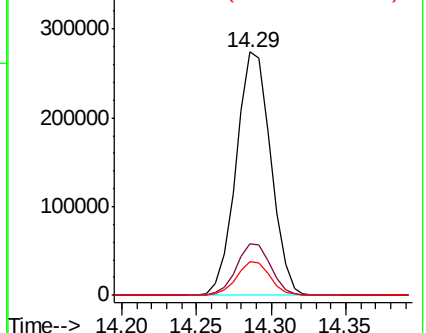
153 13.6 11.0 16.6



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: 21.013 ng/ul

RT: 14.63 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG046305.D

Acq: 17 Aug 2020 19:53

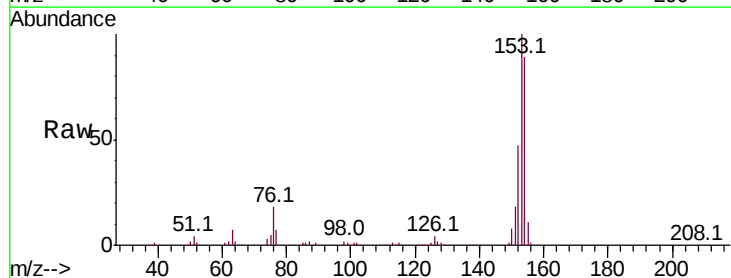
Tgt Ion:153 Resp: 311894

Ion Ratio Lower Upper

153 100

152 47.3 37.2 55.8

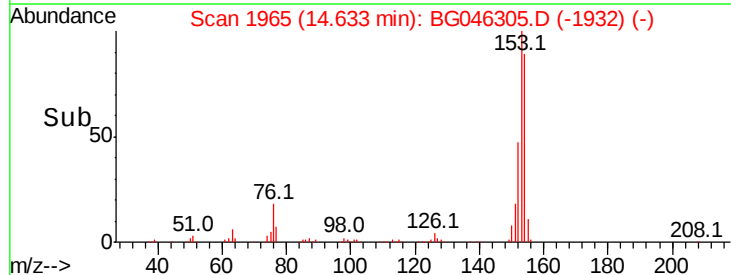
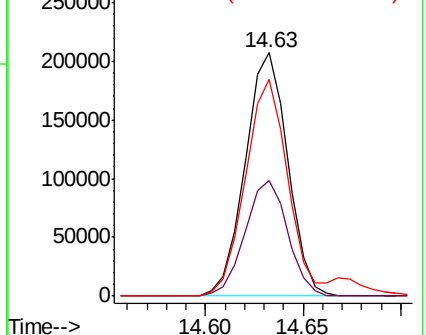
154 89.0 67.8 101.6

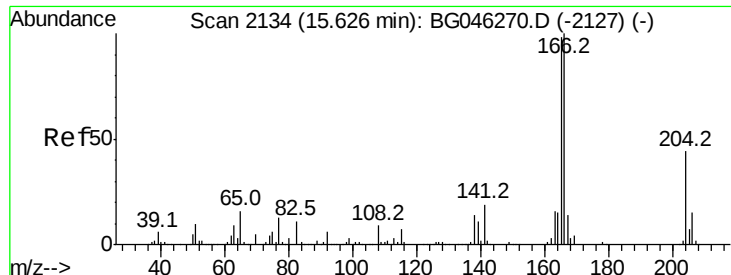


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

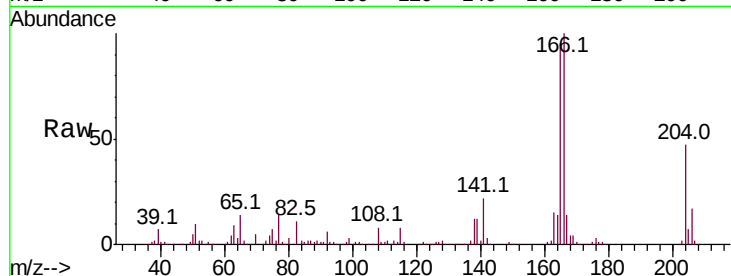




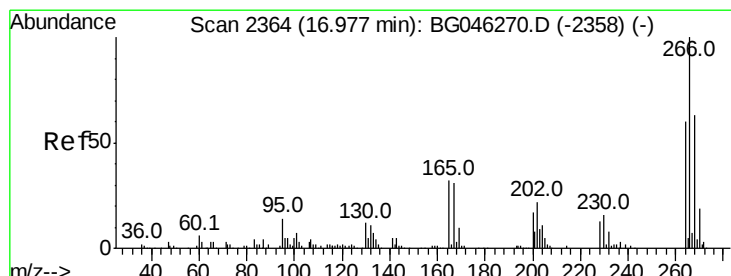
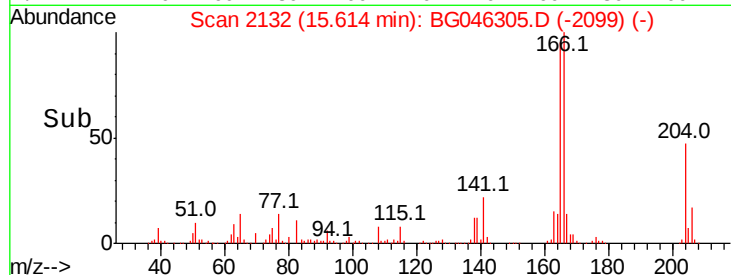
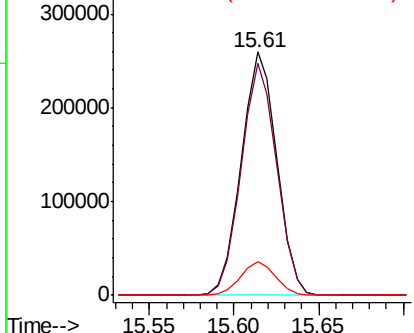
#11
Fluorene
 Concen: 21.937 ng/ul
 RT: 15.61 min Scan# 2132
 Delta R.T. -0.01 min
 Lab File: BG046305.D
 Acq: 17 Aug 2020 19:53

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02037

Tot Ion:166 Resp: 380709
 Ion Ratio Lower Upper
 166 100
 165 95.4 75.9 113.9
 167 13.9 10.7 16.1

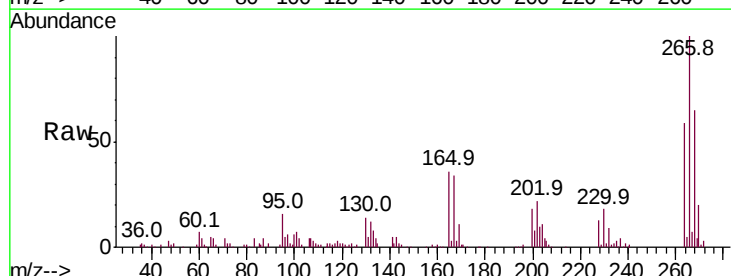


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

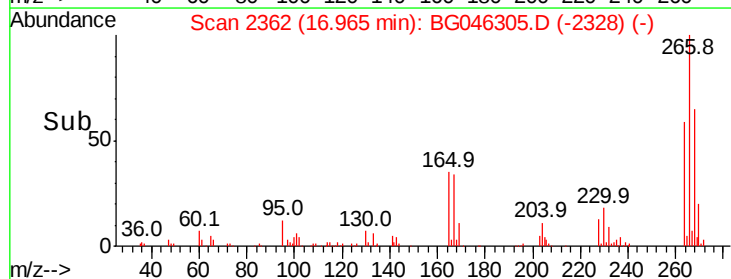
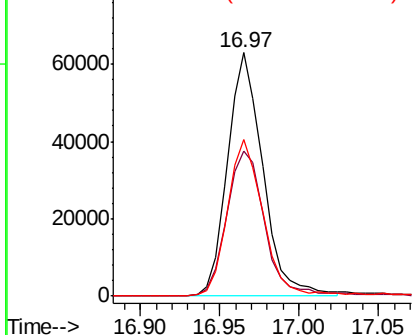


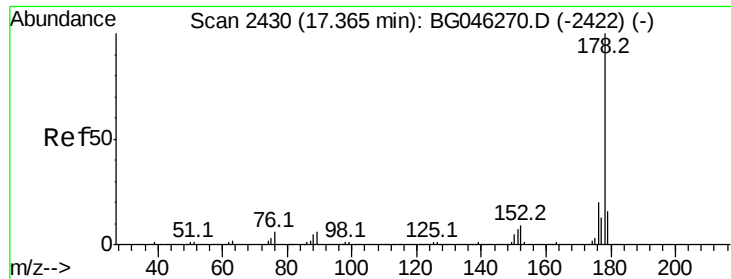
#13
Pentachlorophenol
 Concen: 21.308 ng/ul
 RT: 16.97 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: BG046305.D
 Acq: 17 Aug 2020 19:53

Tgt Ion:266 Resp: 97372
 Ion Ratio Lower Upper
 266 100
 264 59.5 50.2 75.2
 268 64.5 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: 20.686 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG046305.D

Acq: 17 Aug 2020 19:53

Instrument :

BNA_G

ClientSampleId :

SSTD02037

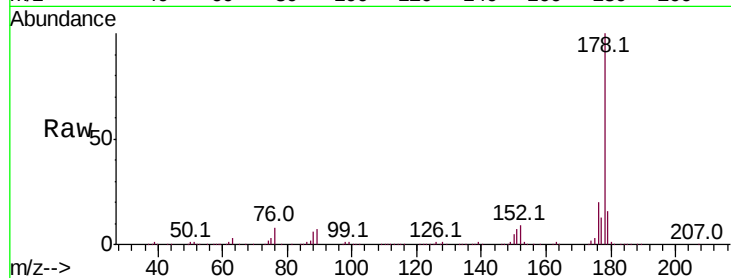
Tot Ion:178 Resp: 628783

Ion Ratio Lower Upper

178 100

179 16.2 12.8 19.2

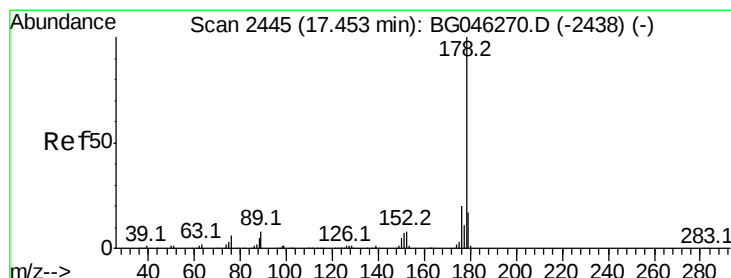
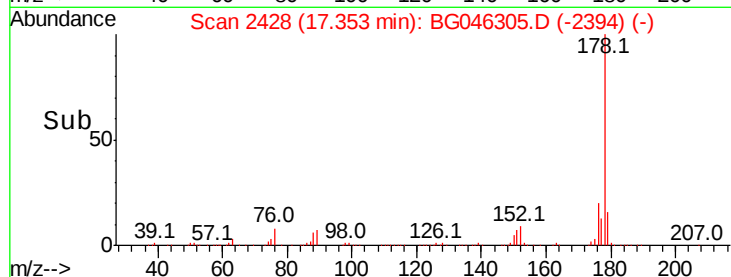
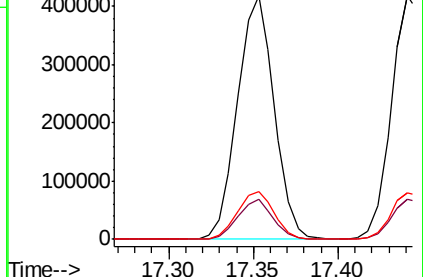
176 19.7 15.8 23.8



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: 20.691 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BG046305.D

Acq: 17 Aug 2020 19:53

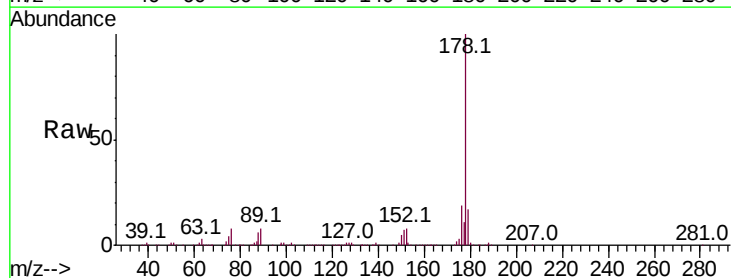
Tgt Ion:178 Resp: 634577

Ion Ratio Lower Upper

178 100

179 16.6 13.2 19.8

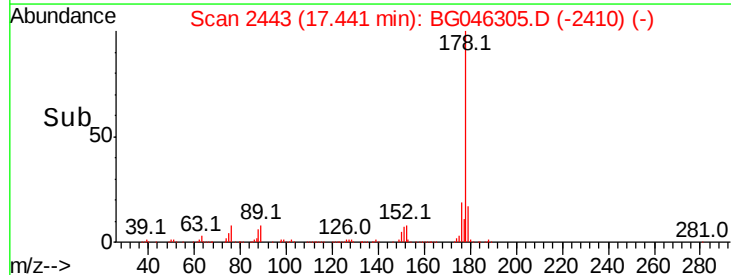
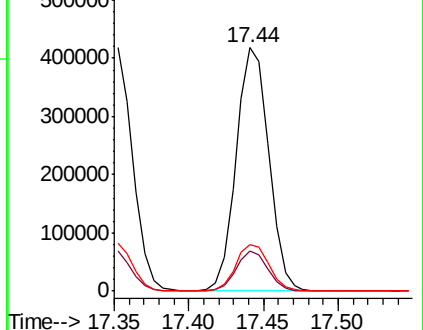
176 19.4 15.2 22.8

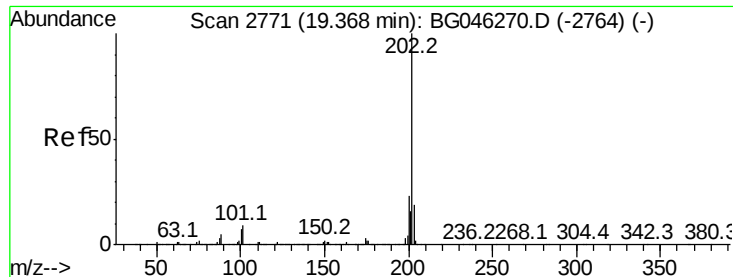


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

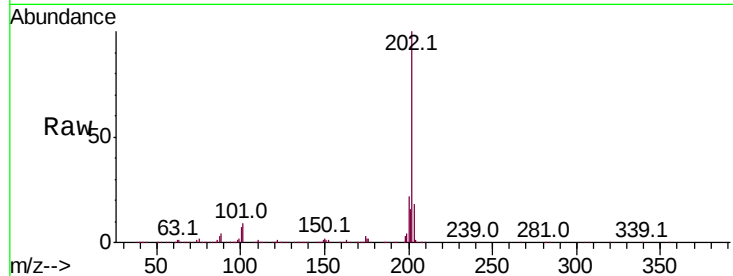




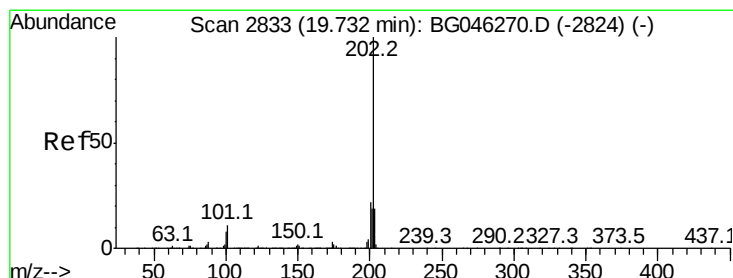
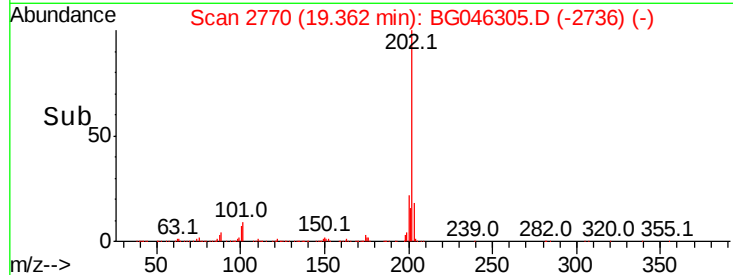
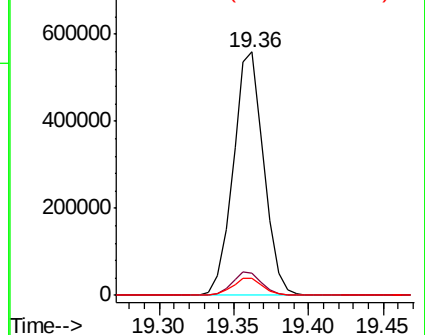
#17
Fluoranthene
 Concen: 23.353 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: BG046305.D
 Acq: 17 Aug 2020 19:53

Instrument :
 BNA_G
 ClientSampleId :
 SST02037

Tot Ion:	202	Resp:	791536
Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.8	11.6
100	6.9	5.9	8.9

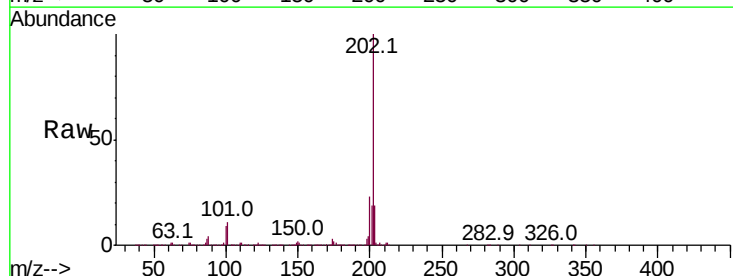


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

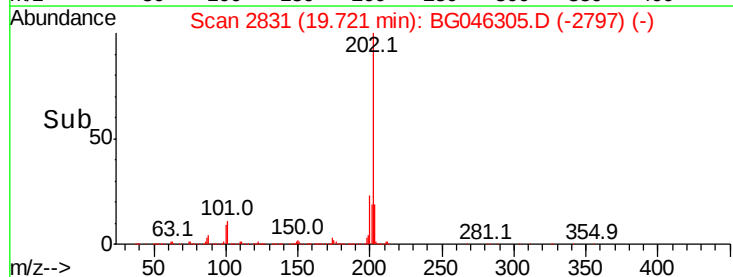
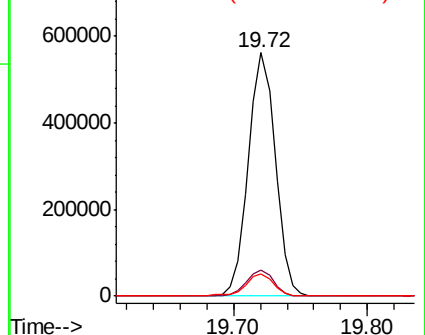


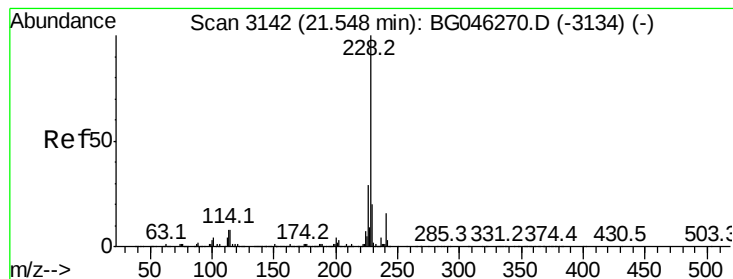
#20
Pyrene
 Concen: 21.319 ng/ul
 RT: 19.72 min Scan# 2831
 Delta R.T. -0.00 min
 Lab File: BG046305.D
 Acq: 17 Aug 2020 19:53

Tgt Ion:	202	Resp:	783358
Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.9	13.3
100	9.1	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: 21.316 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG046305.D

Acq: 17 Aug 2020 19:53

Instrument :

BNA_G

ClientSampleId :

SSTD02037

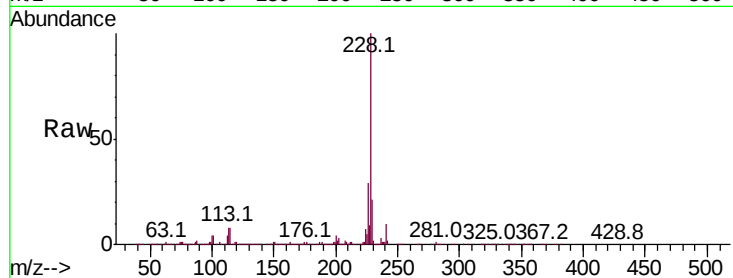
Tot Ion:228 Resp: 776362

Ion Ratio Lower Upper

228 100

229 20.8 16.6 25.0

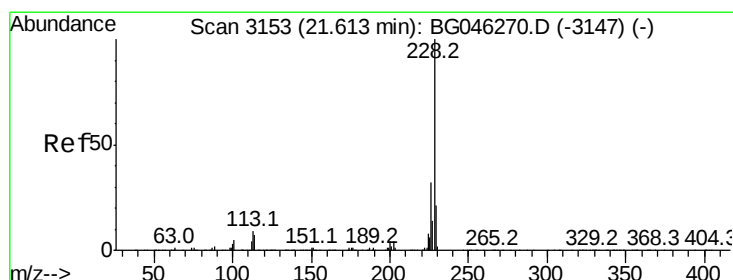
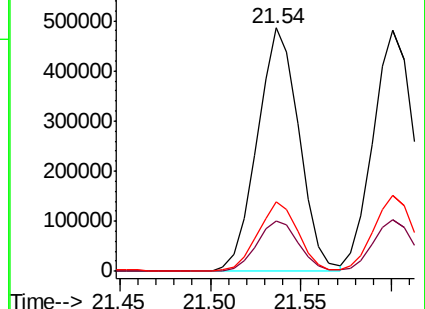
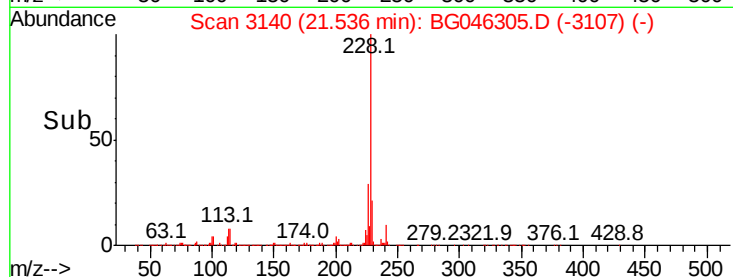
226 28.6 22.6 33.8



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: 21.341 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046305.D

Acq: 17 Aug 2020 19:53

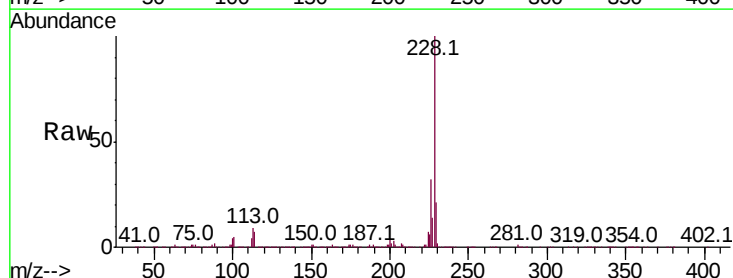
Tgt Ion:228 Resp: 751366

Ion Ratio Lower Upper

228 100

226 31.7 25.5 38.3

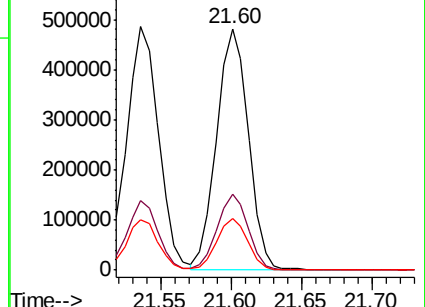
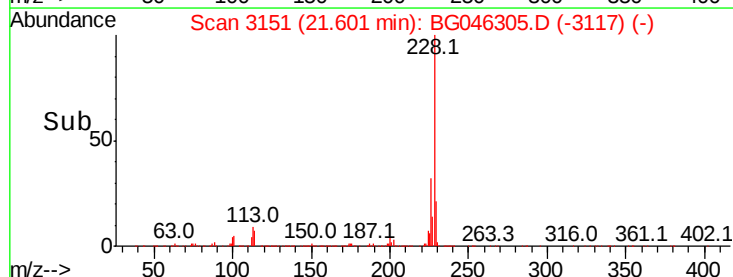
229 21.3 17.0 25.4

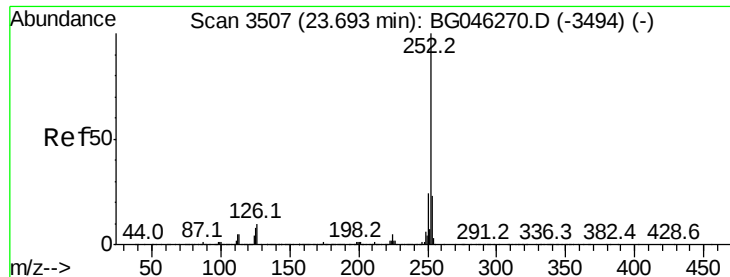


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 21.056 ng/ul

RT: 23.67 min Scan# 3504

Delta R.T. -0.01 min

Lab File: BG046305.D

Acq: 17 Aug 2020 19:53

Instrument :

BNA_G

ClientSampleId :

SSTD02037

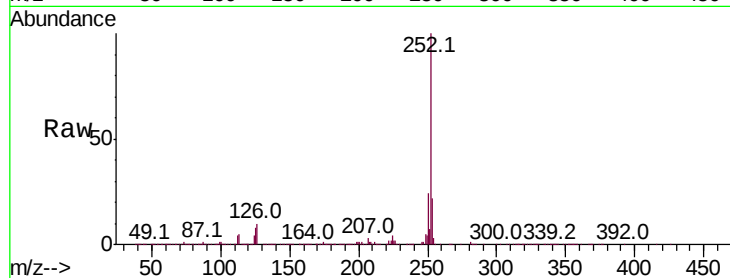
Tot Ion:252 Resp: 828766

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

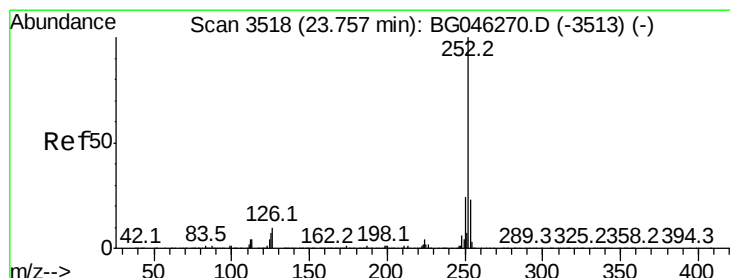
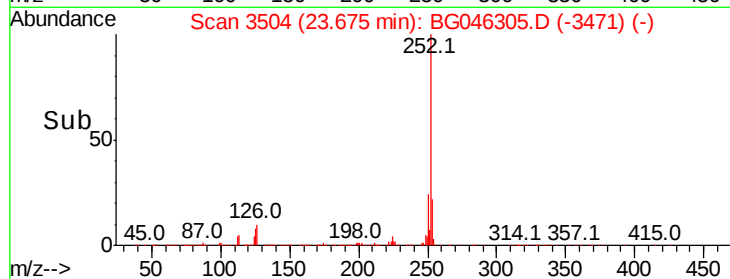
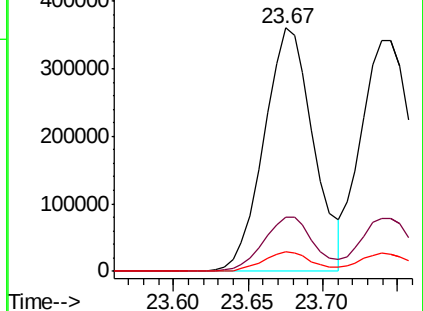
125 7.8 6.4 9.6



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: 20.400 ng/ul

RT: 23.75 min Scan# 3516

Delta R.T. -0.00 min

Lab File: BG046305.D

Acq: 17 Aug 2020 19:53

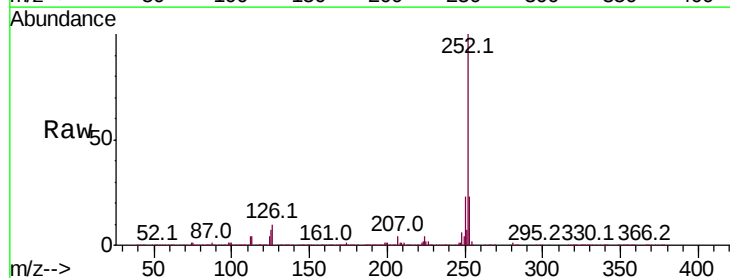
Tgt Ion:252 Resp: 796536

Ion Ratio Lower Upper

252 100

253 23.1 18.5 27.7

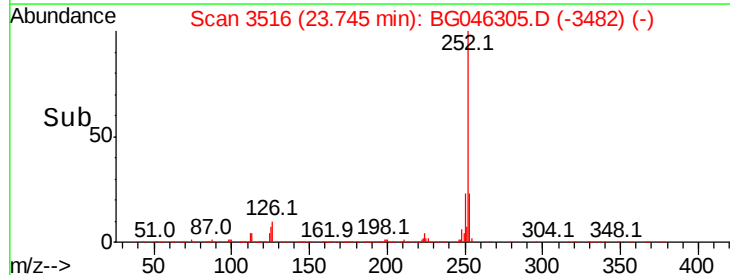
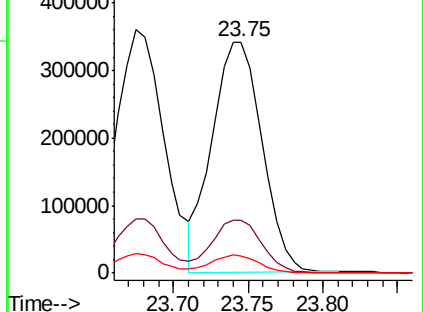
125 7.4 6.2 9.2

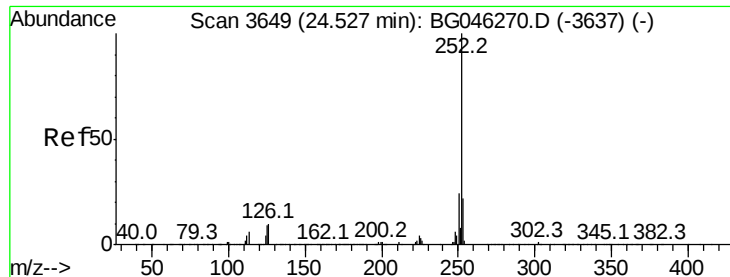


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 20.157 ng/ul

RT: 24.52 min Scan# 3647

Delta R.T. -0.01 min

Lab File: BG046305.D

Acq: 17 Aug 2020 19:53

Instrument :

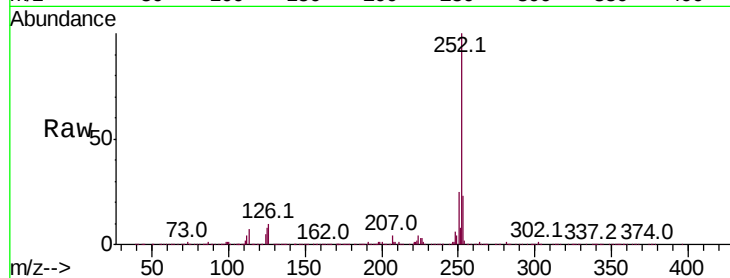
BNA_G

ClientSampleId :

SSTD02037

Tot Ion:252 Resp: 728386

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	8.3	7.1	10.7

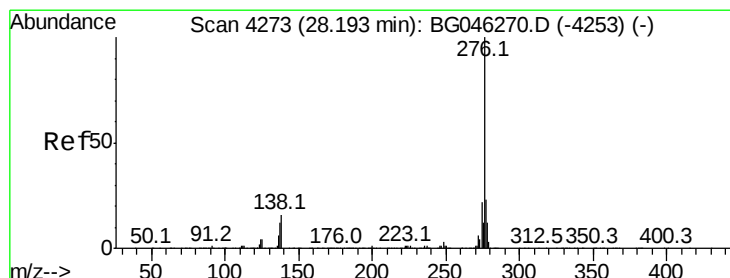
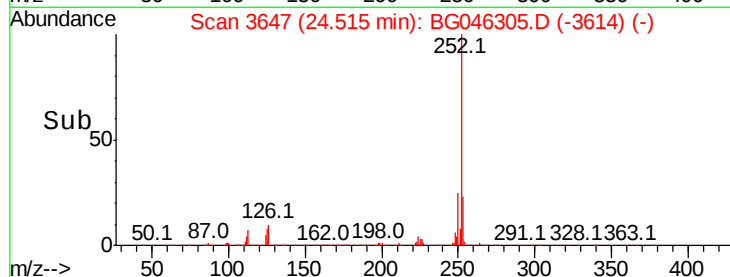
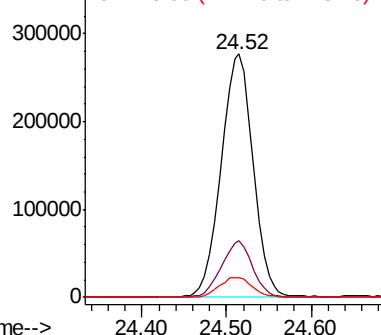


Abundance

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: 21.060 ng/ul

RT: 28.16 min Scan# 4268

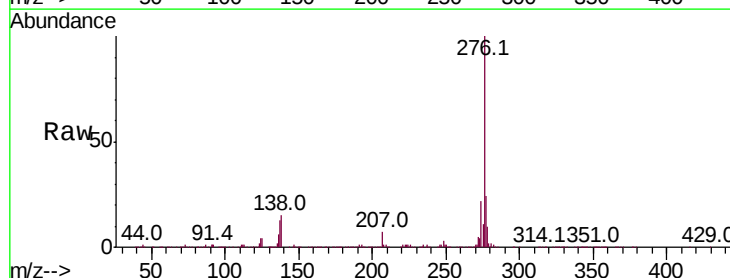
Delta R.T. -0.01 min

Lab File: BG046305.D

Acq: 17 Aug 2020 19:53

Tgt Ion:276 Resp: 952901

Ion	Ratio	Lower	Upper
276	100		
138	15.2	13.2	19.8
277	24.4	19.9	29.9

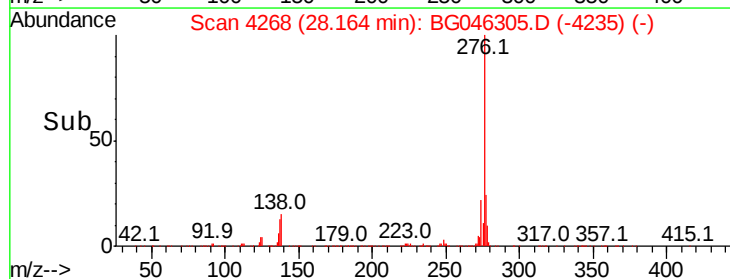
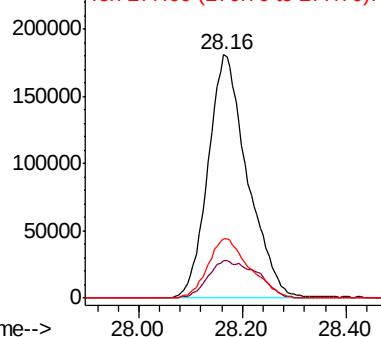


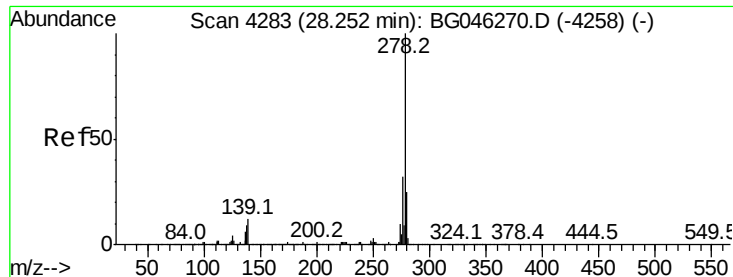
Abundance

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



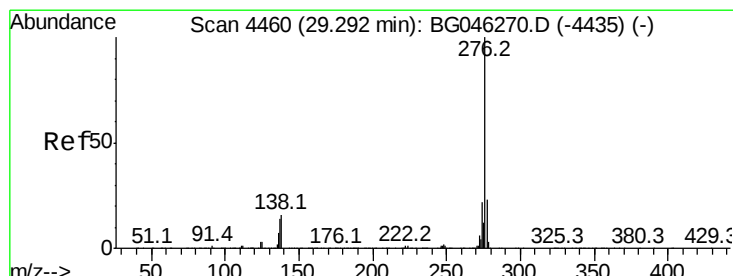
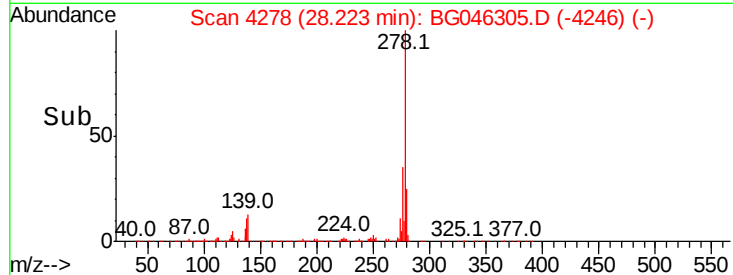
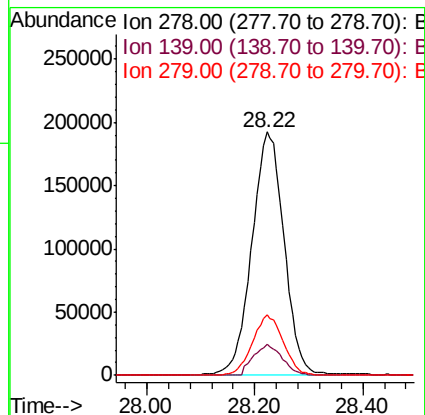
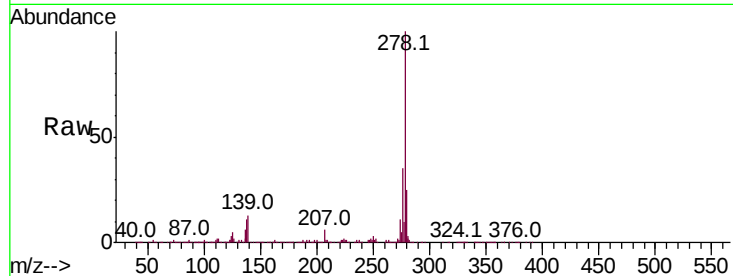


#29

Dibenzo(a,h)anthracene
 Concen: 21.671 ng/ul
 RT: 28.22 min Scan# 4278
 Delta R.T. -0.01 min
 Lab File: BG046305.D
 Acq: 17 Aug 2020 19:53

Instrument :
 BNA_G
 ClientSampleId :
 SST02037

Tot Ion:278	Resp:	795002
Ion Ratio	Lower	Upper
278	100	
139	12.6	9.8 14.8
279	24.8	19.7 29.5



#30

Benzo(g,h,i)perylene
 Concen: 20.900 ng/ul
 RT: 29.26 min Scan# 4454
 Delta R.T. -0.01 min
 Lab File: BG046305.D
 Acq: 17 Aug 2020 19:53

Tgt Ion:276	Resp:	791409
Ion Ratio	Lower	Upper
276	100	
138	16.6	12.9 19.3
277	24.1	19.4 29.0

