

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046369.D
 Acq On : 20 Aug 2020 7:29
 Operator : CG/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02044

Quant Time: Aug 20 08:10:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 04:05:44 2020
 Response via : Initial Calibration

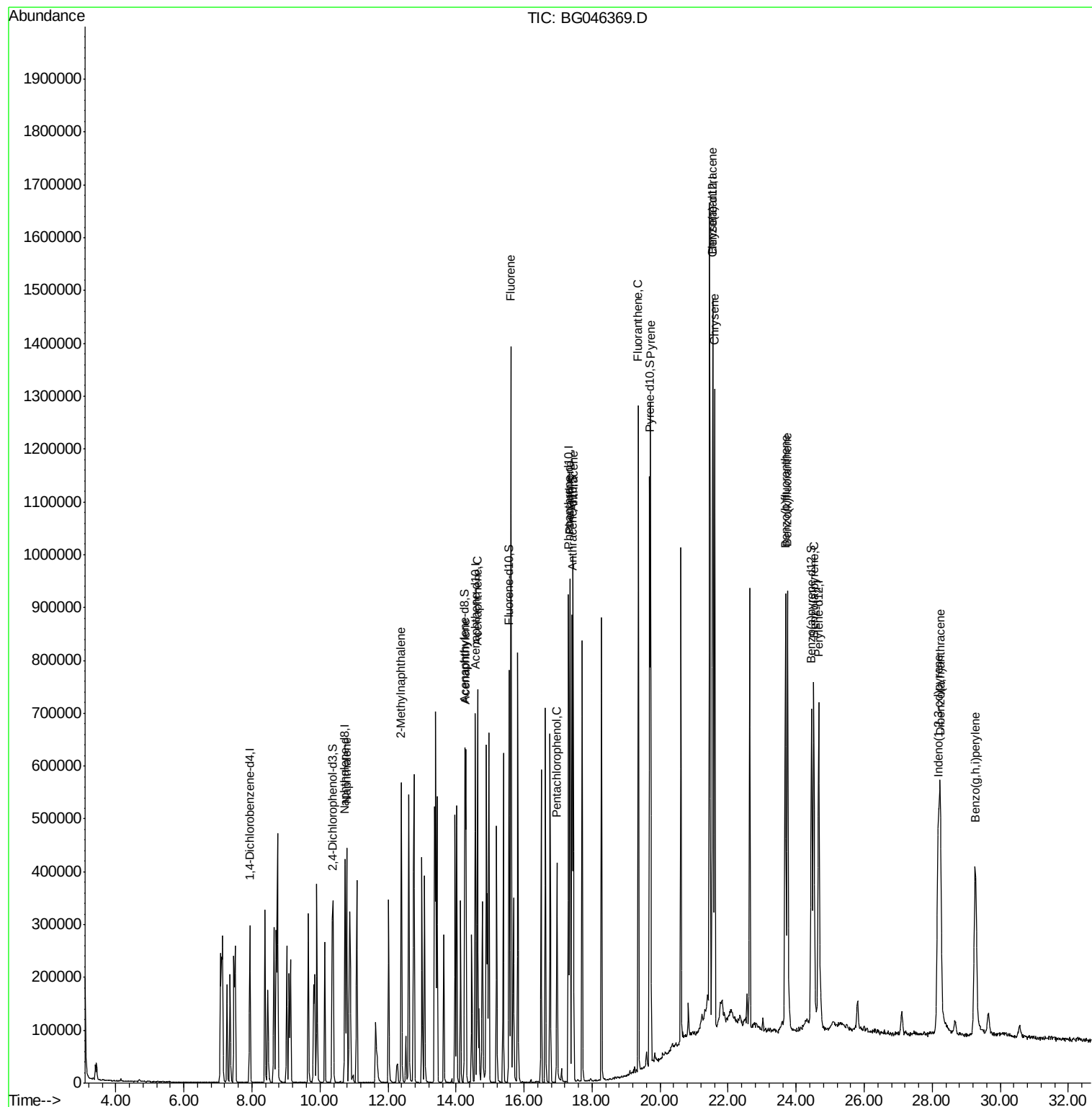
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	95088	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	383225	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	252778	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	600408	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	609701	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	637480	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	134678	20.41	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	458093	19.69	ng/ul	0.00
10) Fluorene-d10	15.56	176	349580	19.61	ng/ul	0.00
15) Anthracene-d10	17.41	188	538355	19.34	ng/ul	0.00
19) Pyrene-d10	19.69	212	623829	19.88	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	691840	19.89	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.79	128	390335	19.581	ng/ul	100
5) 2-Methylnaphthalene	12.39	142	297519	19.579	ng/ul	98
8) Acenaphthylene	14.29	152	467554	19.769	ng/ul	100
9) Acenaphthene	14.63	153	329339	19.500	ng/ul	97
11) Fluorene	15.62	166	388997	19.698	ng/ul	97
13) Pentachlorophenol	16.97	266	95082	19.147	ng/ul	99
14) Phenanthrene	17.35	178	637643	19.305	ng/ul	100
16) Anthracene	17.44	178	650051	19.505	ng/ul	99
17) Fluoranthene	19.36	202	791063	21.478	ng/ul	100
20) Pyrene	19.72	202	782620	19.555	ng/ul	99
21) Benzo(a)anthracene	21.54	228	786244	19.820	ng/ul	97
22) Chrysene	21.60	228	749928	19.556	ng/ul	99
24) Benzo(b)fluoranthene	23.68	252	825711	19.587	ng/ul	99
25) Benzo(k)fluoranthene	23.75	252	818110	19.564	ng/ul	100
27) Benzo(a)pyrene	24.52	252	728941	18.835	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.17	276	902500	18.624	ng/ul	99
29) Dibenzo(a,h)anthracene	28.23	278	770724	19.616	ng/ul	99
30) Benzo(g,h,i)perylene	29.27	276	707376	17.442	ng/ul	99

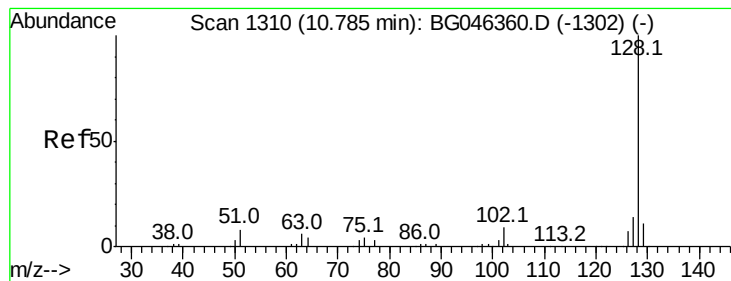
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046369.D
Acq On : 20 Aug 2020 7:29
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD02044

Quant Time: Aug 20 08:10:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 20 04:05:44 2020
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#4

Naphthalene

Concen: 19.581 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

Instrument :

BNA_G

ClientSampleId :

SSTD02044

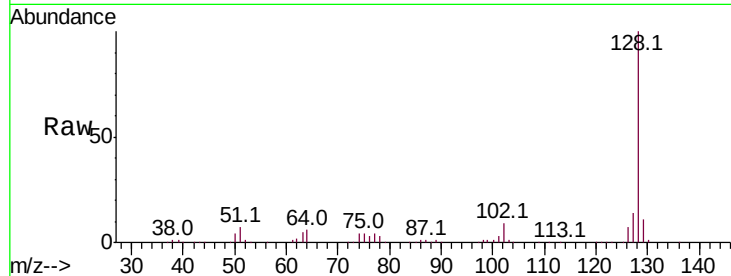
Tot Ion:128 Resp: 390335

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

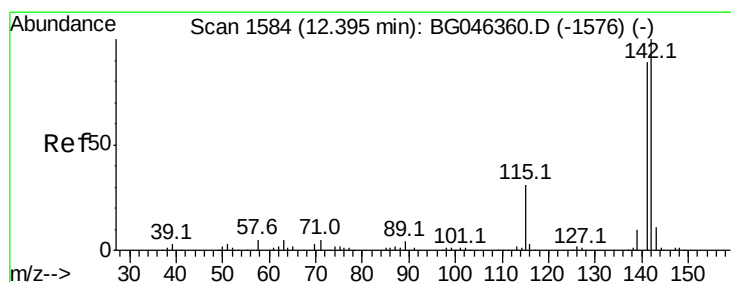
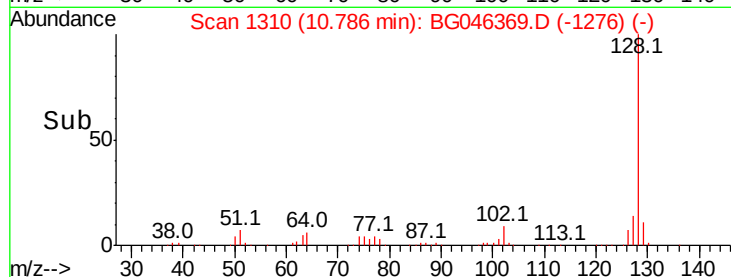
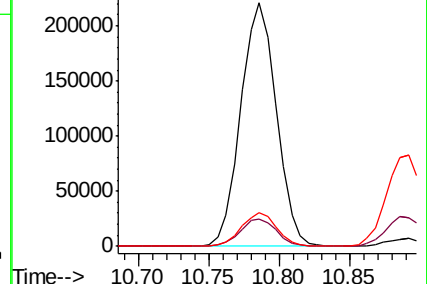
127 13.8 10.9 16.3



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: 19.579 ng/ul

RT: 12.39 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BG046369.D

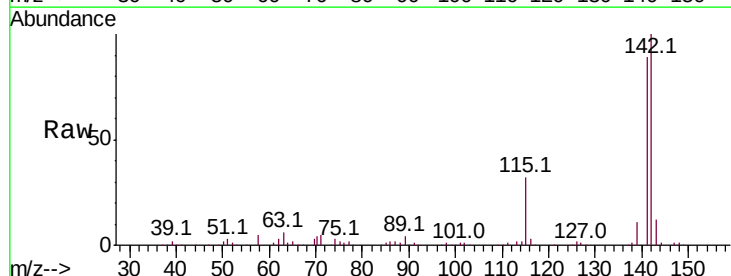
Acq: 20 Aug 2020 7:29

Tgt Ion:142 Resp: 297519

Ion Ratio Lower Upper

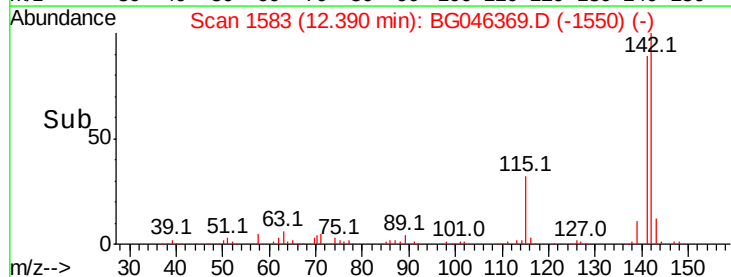
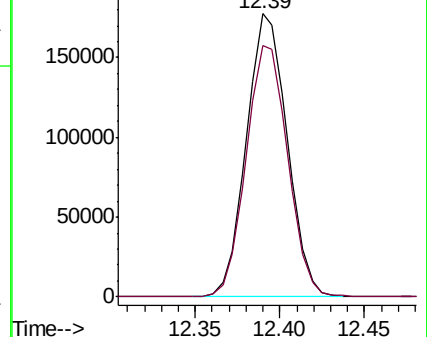
142 100

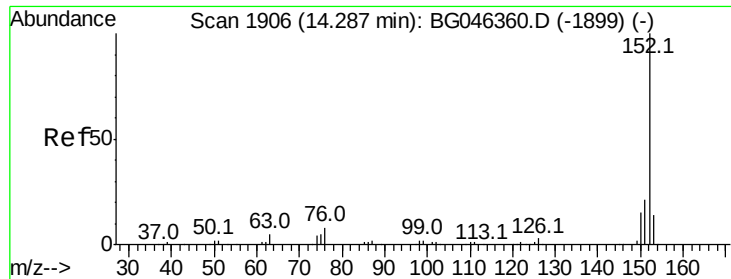
141 88.8 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.769 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

Instrument :

BNA_G

ClientSampleId :

SSTD02044

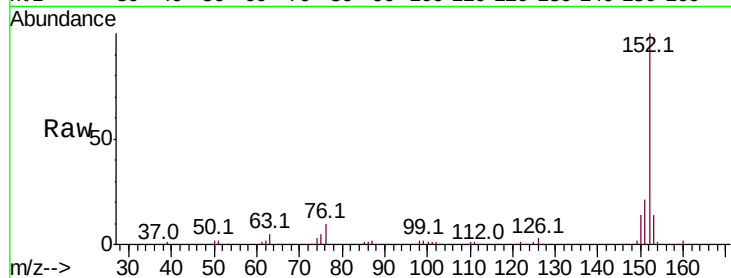
Tot Ion:152 Resp: 467554

Ion Ratio Lower Upper

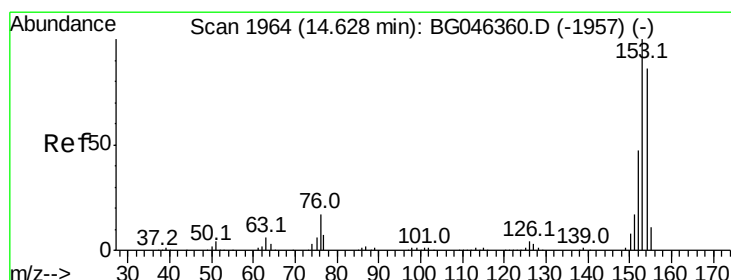
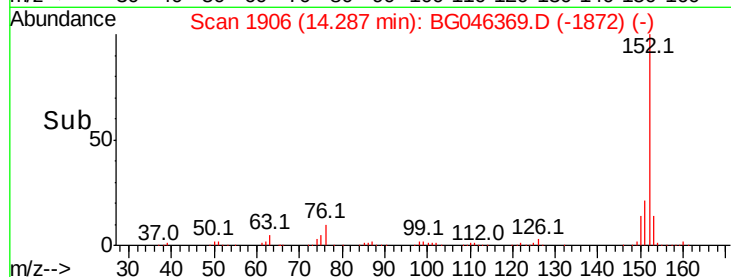
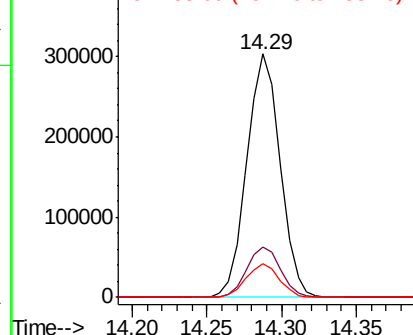
152 100

151 20.9 16.5 24.7

153 13.9 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: 19.500 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. 0.00 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

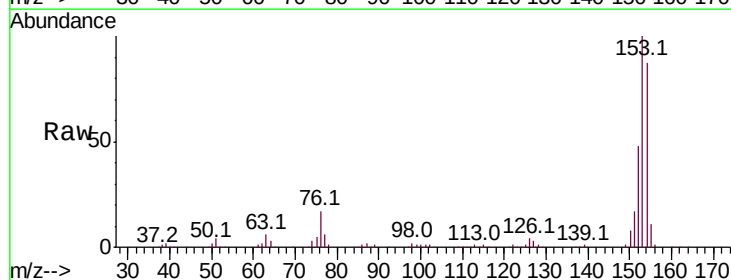
Tgt Ion:153 Resp: 329339

Ion Ratio Lower Upper

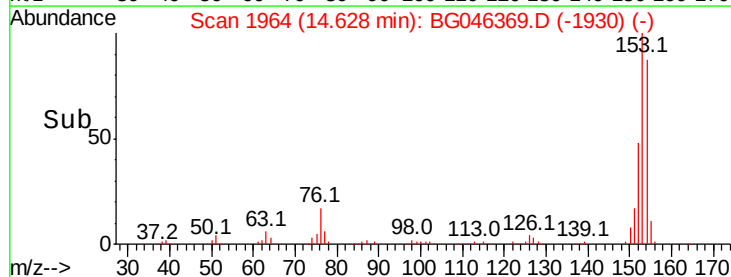
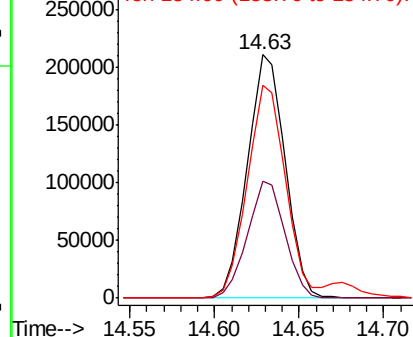
153 100

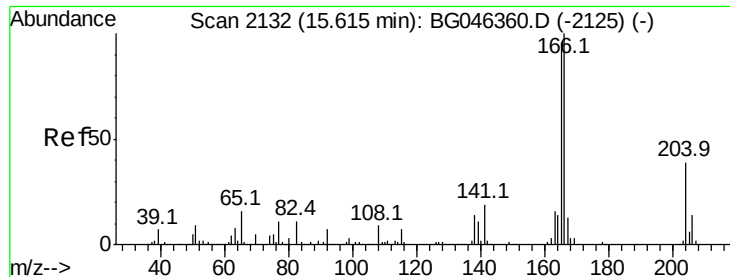
152 48.1 37.2 55.8

154 87.2 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: 19.698 ng/ul

RT: 15.62 min Scan# 2132

Delta R.T. 0.00 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

Instrument :

BNA_G

ClientSampleId :

SSTD02044

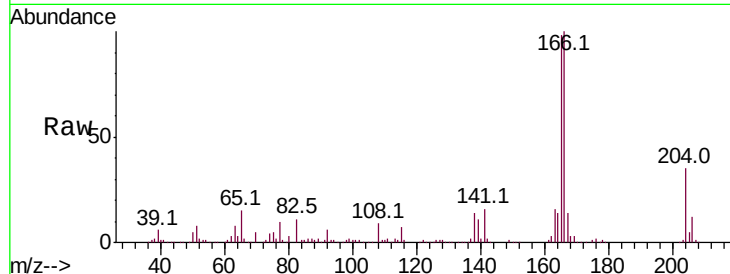
Tot Ion:166 Resp: 388997

Ion Ratio Lower Upper

166 100

165 97.6 75.9 113.9

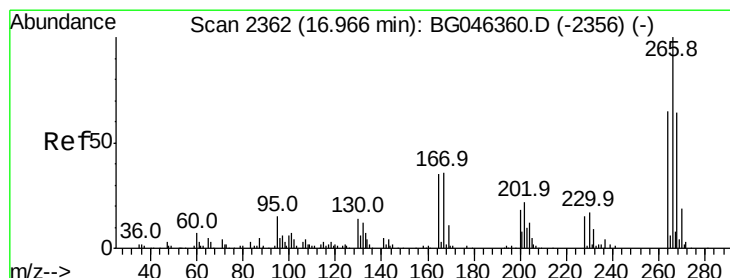
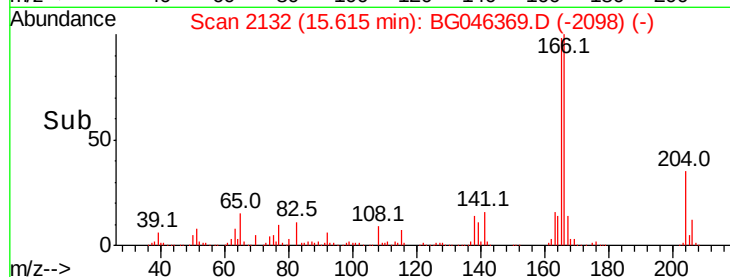
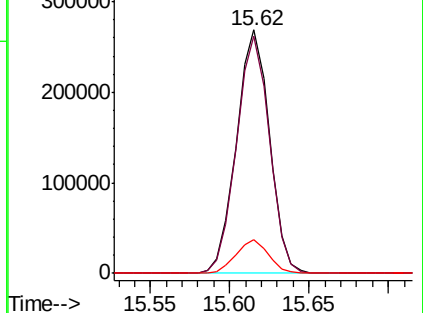
167 14.1 10.7 16.1



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: 19.147 ng/ul

RT: 16.97 min Scan# 2362

Delta R.T. 0.00 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

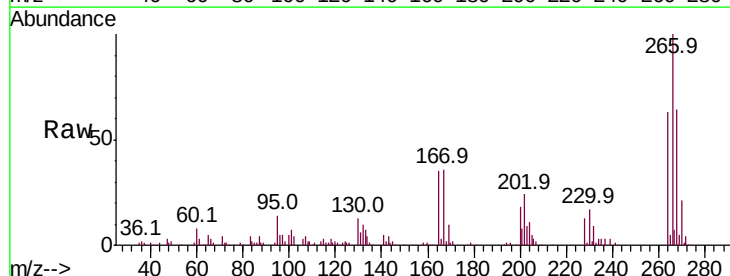
Tgt Ion:266 Resp: 95082

Ion Ratio Lower Upper

266 100

264 62.9 50.2 75.2

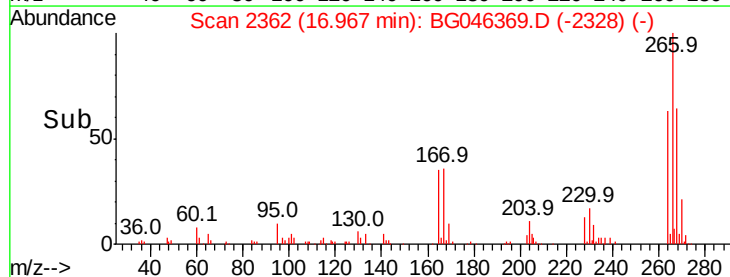
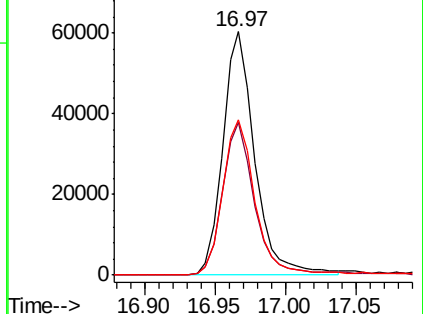
268 63.5 49.7 74.5

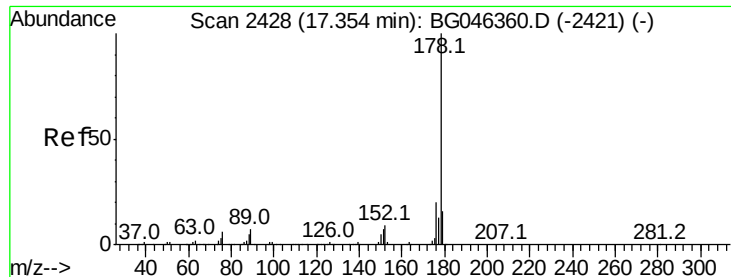


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 19.305 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

Instrument :

BNA_G

ClientSampleId :

SSTD02044

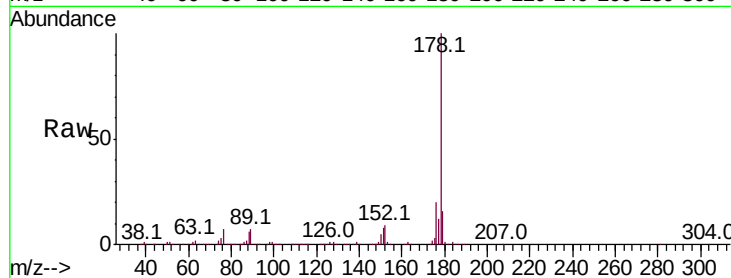
Tot Ion:178 Resp: 637643

Ion Ratio Lower Upper

178 100

179 16.0 12.8 19.2

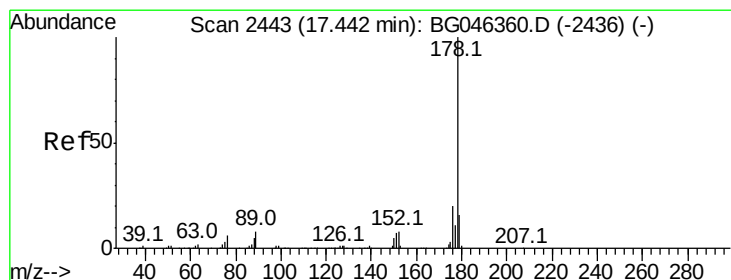
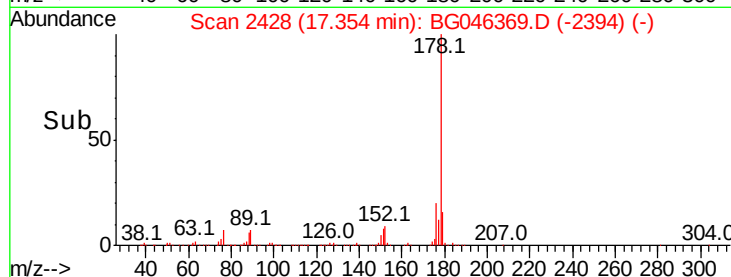
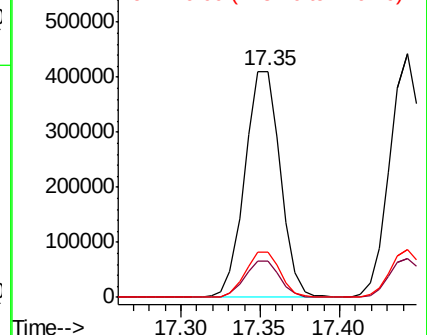
176 19.9 15.8 23.8



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: 19.505 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

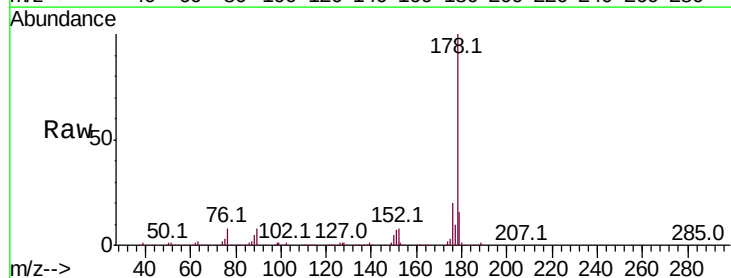
Tgt Ion:178 Resp: 650051

Ion Ratio Lower Upper

178 100

179 16.1 13.2 19.8

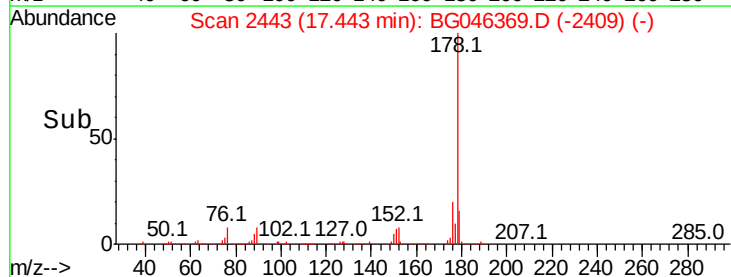
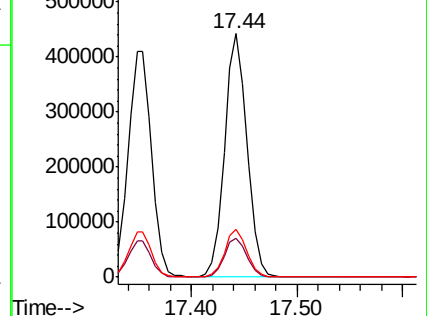
176 19.6 15.2 22.8

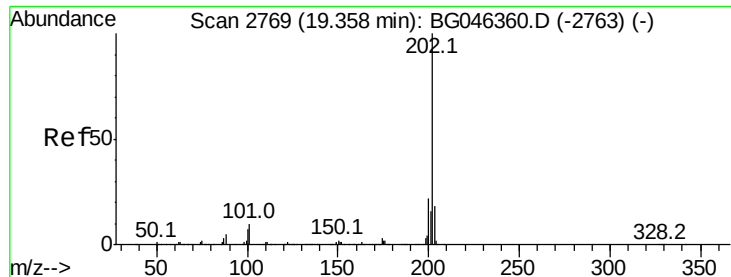


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

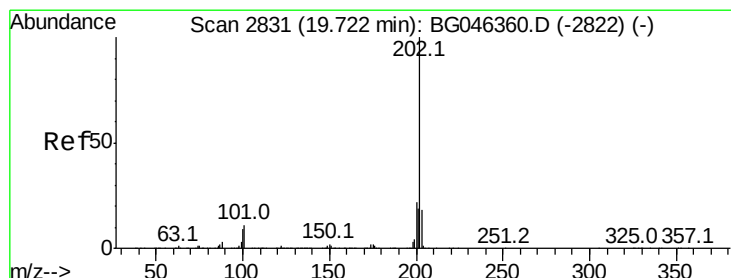
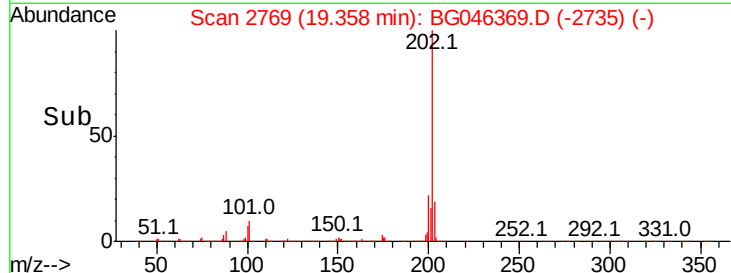
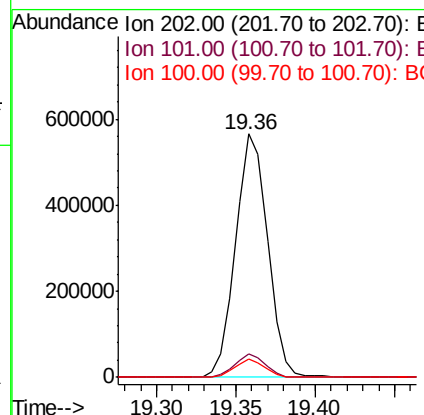
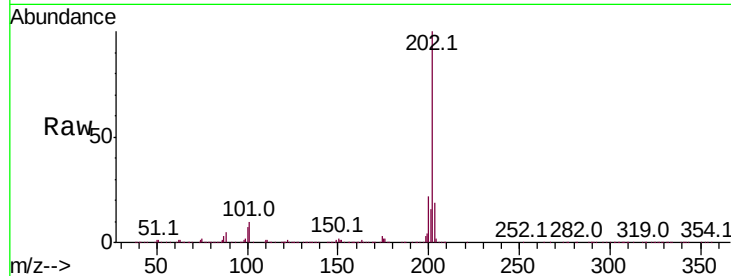




#17
Fluoranthene
 Concen: 21.478 ng/ul
 RT: 19.36 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: BG046369.D
 Acq: 20 Aug 2020 7:29

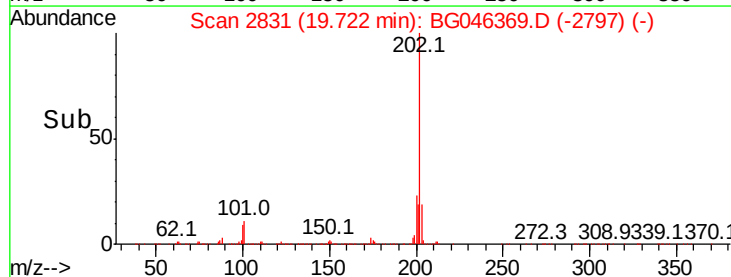
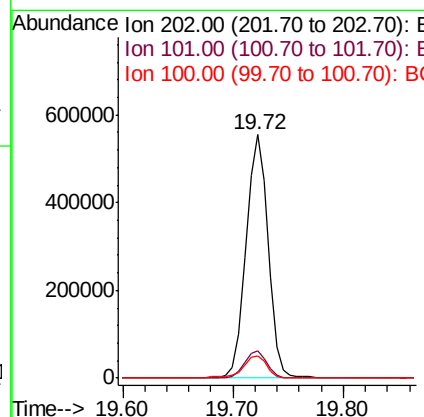
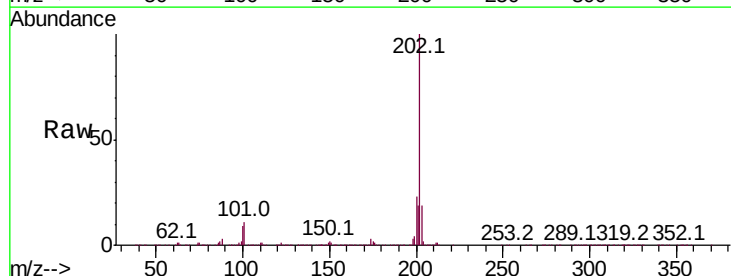
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02044

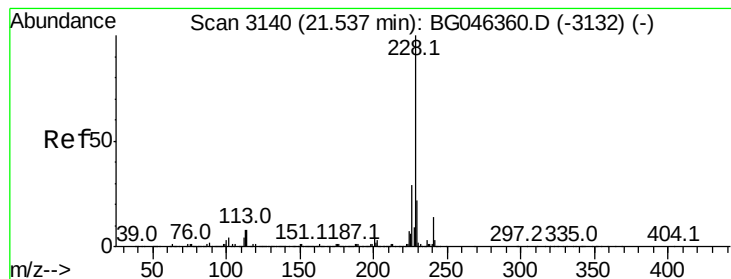
Tot Ion:	202	Resp:	791063
Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.8	11.6
100	7.4	5.9	8.9



#20
Pyrene
 Concen: 19.555 ng/ul
 RT: 19.72 min Scan# 2831
 Delta R.T. 0.00 min
 Lab File: BG046369.D
 Acq: 20 Aug 2020 7:29

Tgt Ion:	202	Resp:	782620
Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.9	13.3
100	9.1	7.9	11.9





#21

Benzo(a)anthracene

Concen: 19.820 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. 0.00 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

Instrument :

BNA_G

ClientSampleId :

SSTD02044

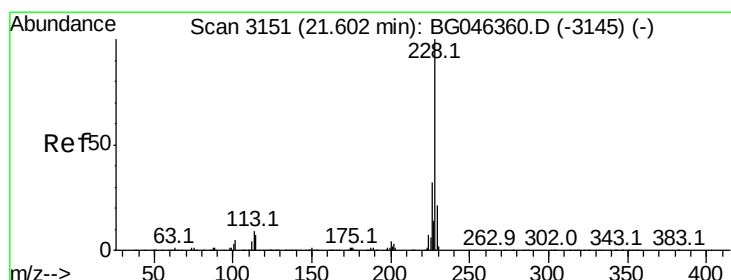
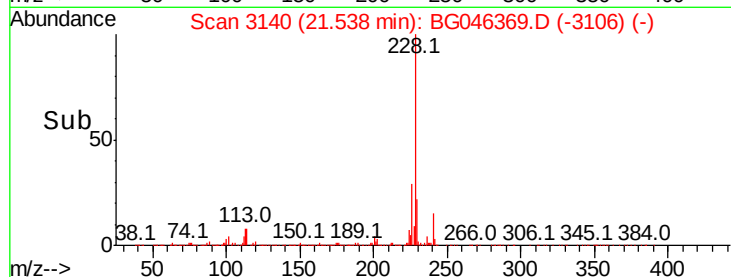
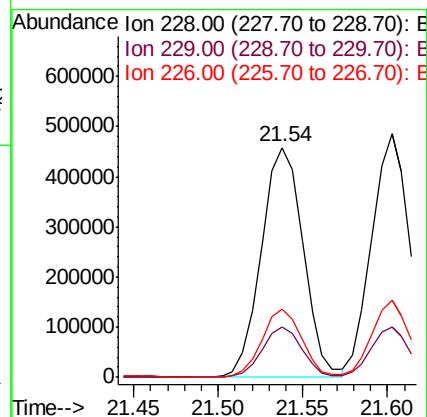
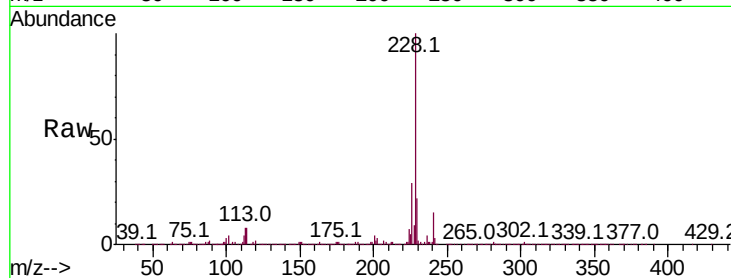
Tot Ion:228 Resp: 786244

Ion	Ratio	Lower	Upper
228	100		
229	22.1	16.6	25.0
226	29.5	22.6	33.8

228 100

229 22.1 16.6 25.0

226 29.5 22.6 33.8



#22

Chrysene

Concen: 19.556 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

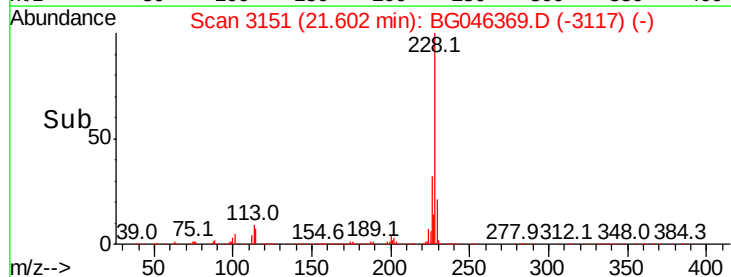
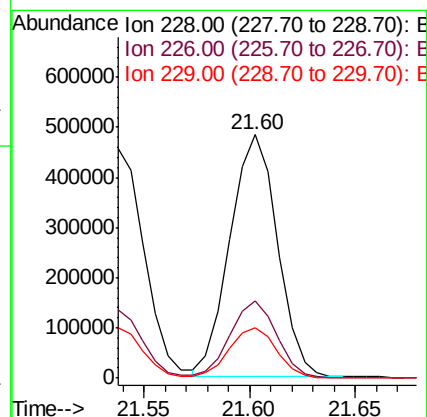
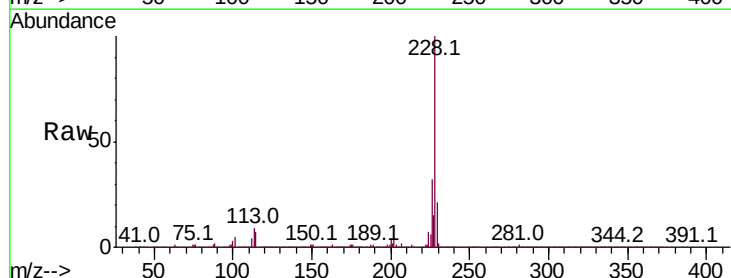
Tgt Ion:228 Resp: 749928

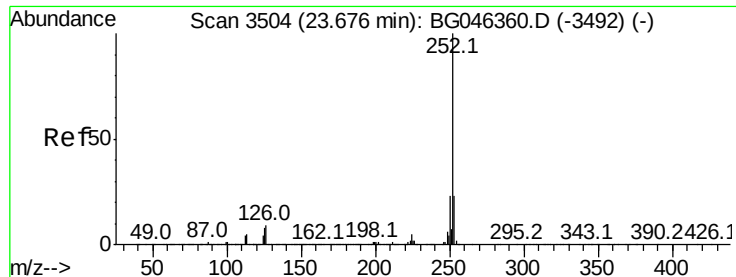
Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.5	38.3
229	20.7	17.0	25.4

228 100

226 31.6 25.5 38.3

229 20.7 17.0 25.4





#24

Benzo(b)fluoranthene

Concen: 19.587 ng/ul

RT: 23.68 min Scan# 3505

Delta R.T. 0.01 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

Instrument :

BNA_G

ClientSampleId :

SSTD02044

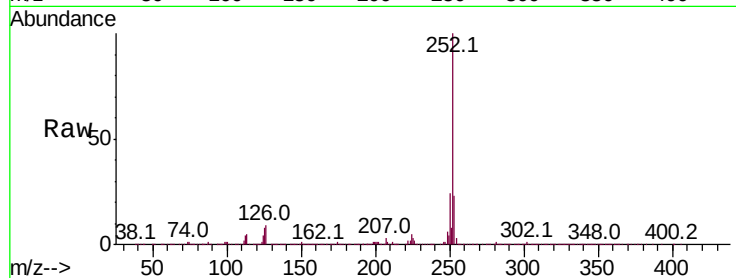
Tot Ion:252 Resp: 825711

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

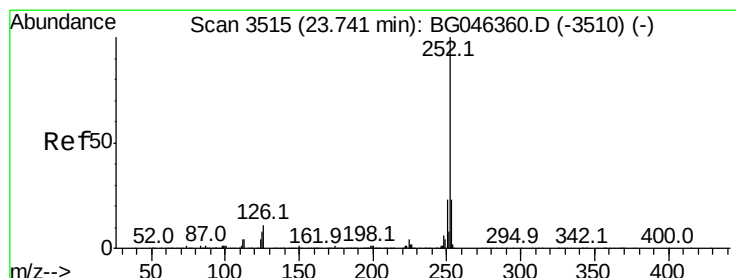
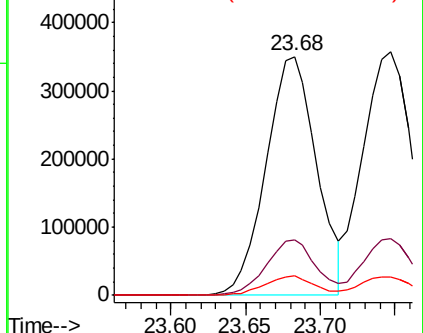
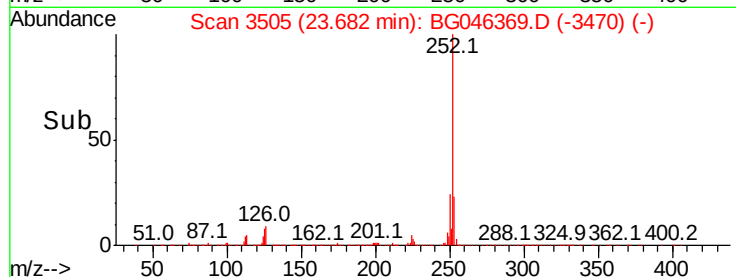
125 8.0 6.4 9.6



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: 19.564 ng/ul

RT: 23.75 min Scan# 3516

Delta R.T. 0.01 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

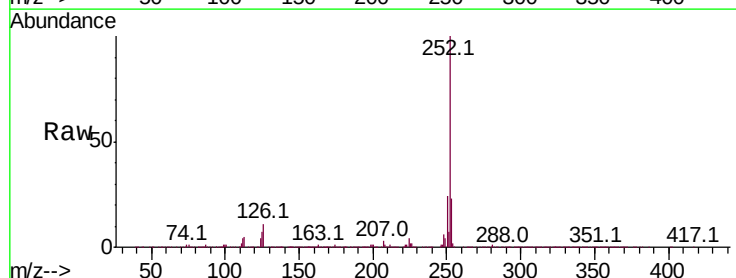
Tgt Ion:252 Resp: 818110

Ion Ratio Lower Upper

252 100

253 23.2 18.5 27.7

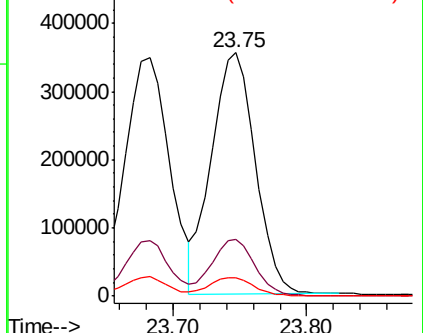
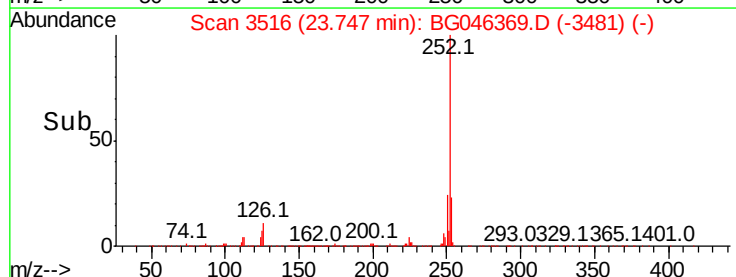
125 7.3 6.2 9.2

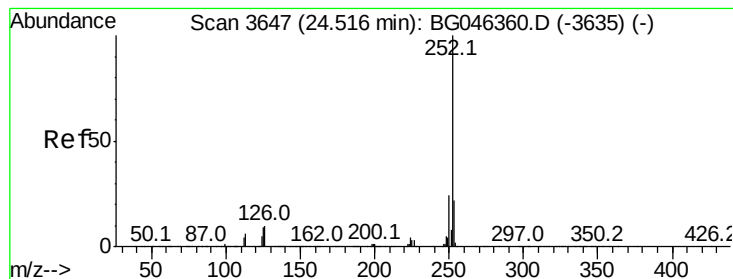


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 18.835 ng/ul

RT: 24.52 min Scan# 3647

Delta R.T. 0.00 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

Instrument :

BNA_G

ClientSampleId :

SSTD02044

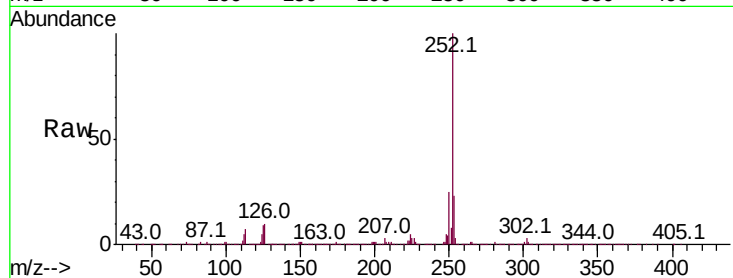
Tot Ion:252 Resp: 728941

Ion Ratio Lower Upper

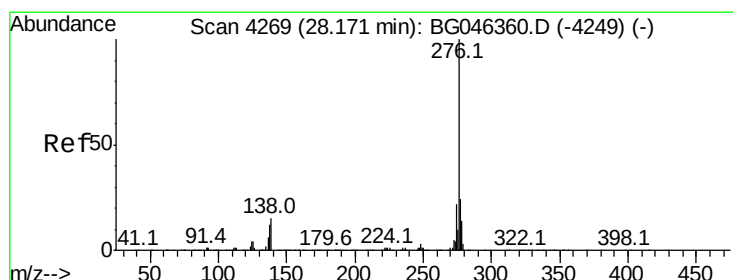
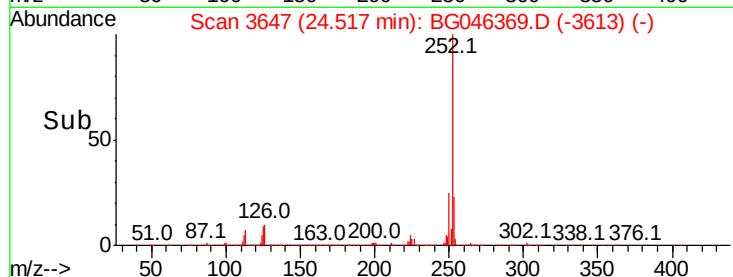
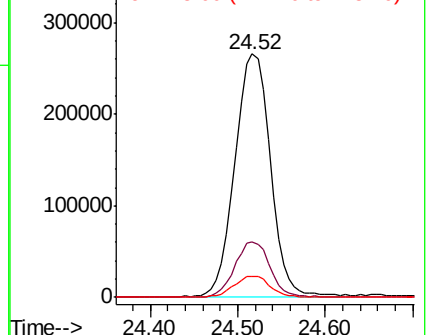
252 100

253 22.7 17.8 26.8

125 8.7 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: 18.624 ng/ul

RT: 28.17 min Scan# 4269

Delta R.T. 0.00 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

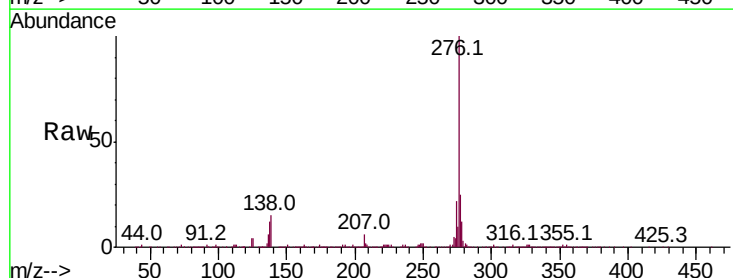
Tgt Ion:276 Resp: 902500

Ion Ratio Lower Upper

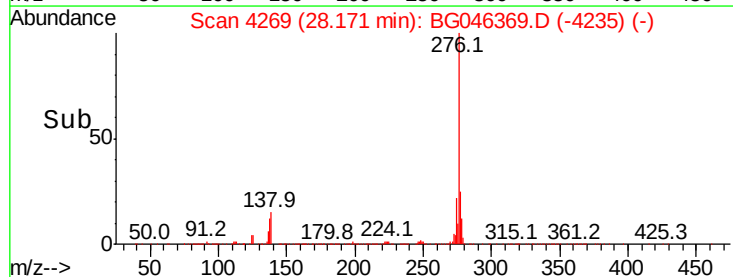
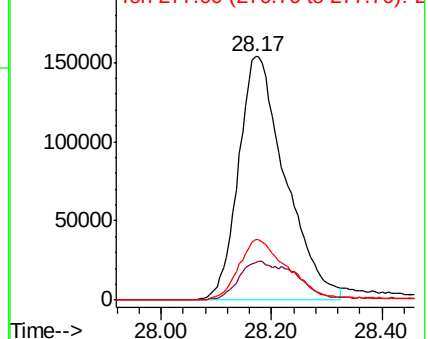
276 100

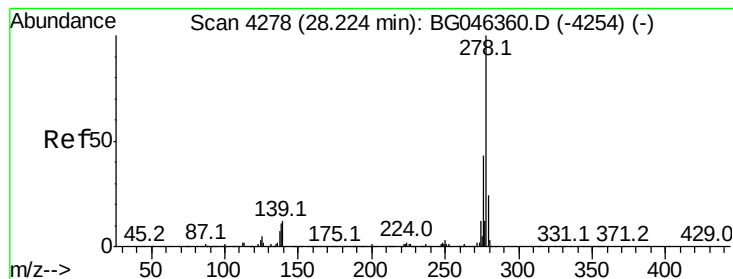
138 15.5 13.2 19.8

277 25.0 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: 19.616 ng/ul

RT: 28.23 min Scan# 4279

Delta R.T. 0.01 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

Instrument :

BNA_G

ClientSampleId :

SSTD02044

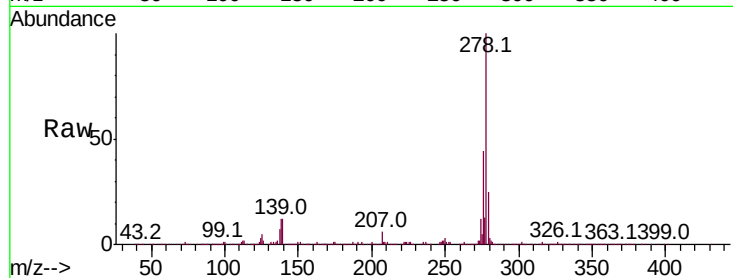
Tot Ion:278 Resp: 770724

Ion Ratio Lower Upper

278 100

139 11.7 9.8 14.8

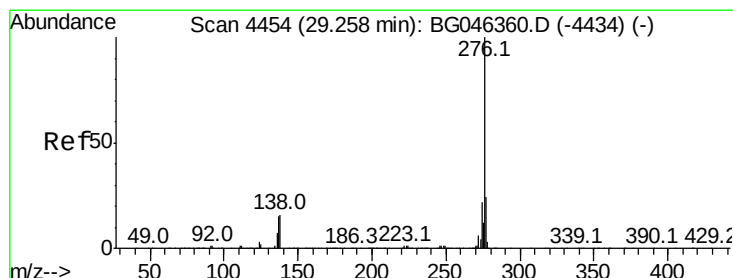
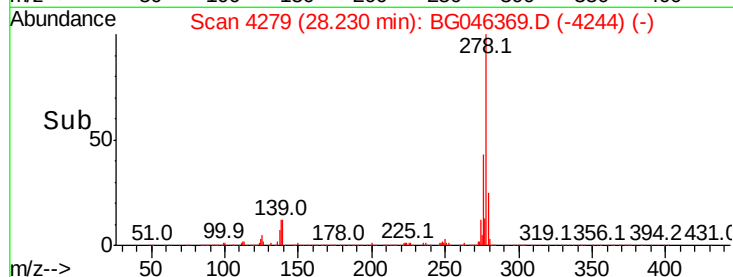
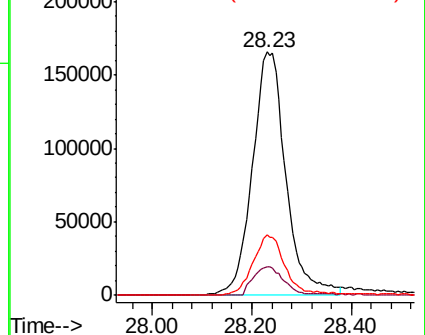
279 25.1 19.7 29.5



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: 17.442 ng/ul

RT: 29.27 min Scan# 4456

Delta R.T. 0.01 min

Lab File: BG046369.D

Acq: 20 Aug 2020 7:29

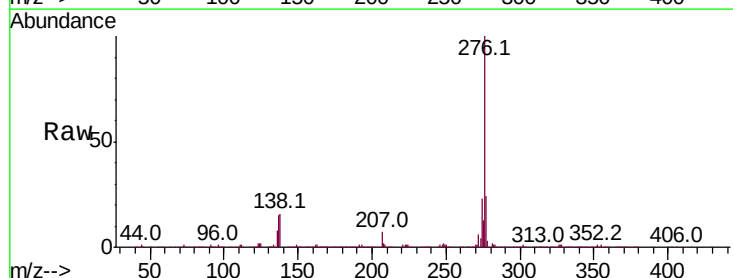
Tgt Ion:276 Resp: 707376

Ion Ratio Lower Upper

276 100

138 16.1 12.9 19.3

277 23.7 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

