

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021955.D
 Acq On : 19 May 2016 5:58
 Operator : UM/SJ
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02002

Quant Time: May 19 06:42:45 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 19 03:59:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	37304	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	195386	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	111035	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	233803	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	207405	20.00	ng/ul	0.00
34) Perylene-d12	25.13	264	192374	20.00	ng/ul	0.00

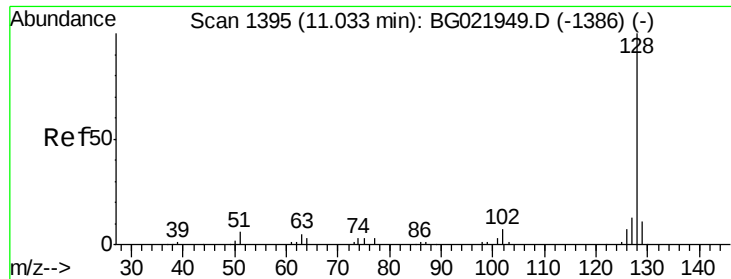
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	6037	7.42	ng/uL	0.00
3) Phenol-d5	7.31	99	64708	19.64	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	34938	19.91	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	55734	20.61	ng/ul	0.00
6) 4-Methylphenol-d8	8.86	113	56953	19.41	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	27948	20.39	ng/ul	0.00
9) 2-Nitrophenol-d4	10.05	143	29496	20.17	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.59	165	53922	20.86	ng/ul	0.00
12) 4-Chloroaniline-d4	11.11	131	41454	20.36	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	162300	18.96	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	223744	20.29	ng/ul	0.00
20) 4-Nitrophenol-d4	14.98	143	25238	16.76	ng/ul	0.00
21) Fluorene-d10	15.77	176	150963	19.59	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	21562	18.58	ng/ul	0.00
26) Anthracene-d10	17.63	188	208962	19.40	ng/ul	0.00
30) Pyrene-d10	19.90	212	211219	19.30	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.90	264	171197	20.04	ng/ul	0.00

Target Compounds

						Ovalue
11) Naphthalene	11.03	128	190385	20.03	ng/ul	97
13) 2-Methylnaphthalene	12.62	142	137274	19.93	ng/ul	92
14) 1-Methylnaphthalene	12.84	142	137052	19.44	ng/ul#	99
18) Acenaphthylene	14.51	152	230383	20.06	ng/ul	99
19) Acenaphthene	14.85	153	157736	20.00	ng/ul	99
22) Fluorene	15.83	166	171190	19.61	ng/ul	99
25) Phenanthrene	17.57	178	252382	20.20	ng/ul	96
27) Anthracene	17.66	178	251152	20.00	ng/ul	98
28) Fluoranthene	19.57	202	264896	20.40	ng/ul#	92
31) Pyrene	19.57	202	264896	18.55	ng/ul	98
32) Benzo(a)anthracene	21.79	228	231795	20.15	ng/ul	98
33) Chrysene	21.86	228	224318	20.04	ng/ul	98
35) Benzo(b)fluoranthene	24.07	252	222295	20.10	ng/ul#	95
36) Benzo(k)fluoranthene	24.14	252	208960	19.21	ng/ul#	95
38) Benzo(a)pyrene	24.97	252	209745	19.83	ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	28.93	276	242592	20.18	ng/ul#	93
40) Dibenzo(a,h)anthracene	29.00	278	117118	11.76	ng/ul#	93
41) Benzo(g,h,i)perylene	30.14	276	202702	19.93	ng/ul#	89

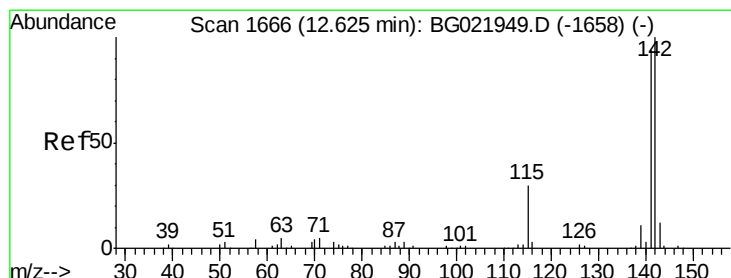
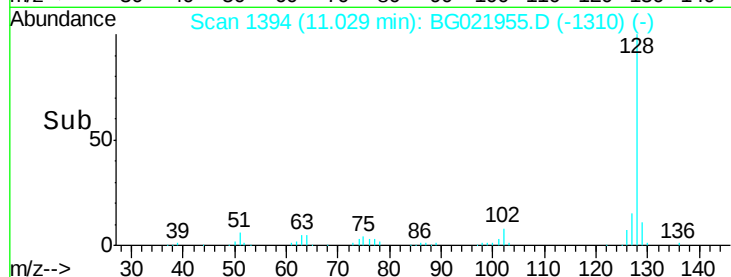
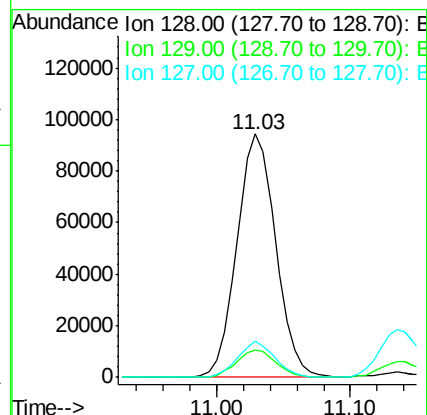
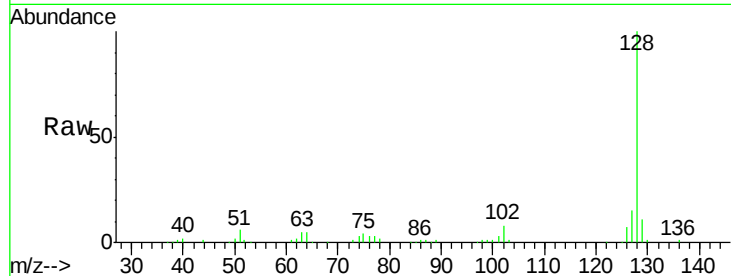
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#11
Naphthalene
Concen: 20.03 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG021955.D
Acq: 19 May 2016 5:58

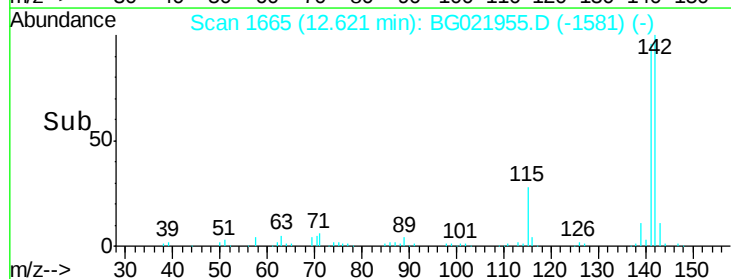
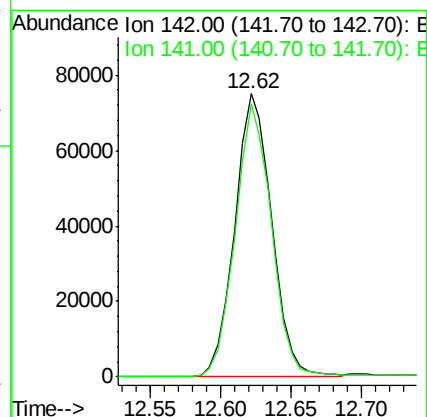
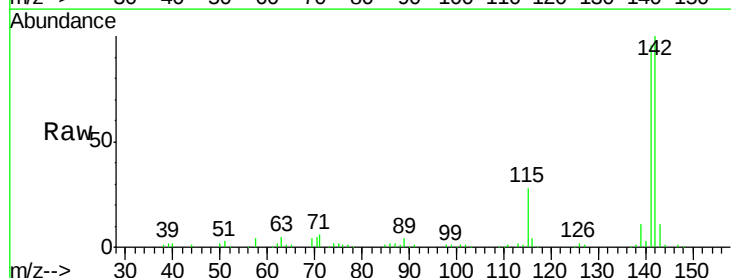
Instrument :
BNA_G
ClientSampleId :
SSTD02002

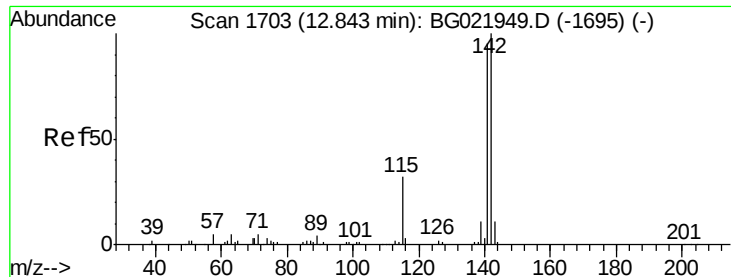
Tot Ion:128 Resp: 190385
Ion Ratio Lower Upper
128 100
129 11.4 8.3 12.5
127 14.7 10.8 16.2



#13
2-Methylnaphthalene
Concen: 19.93 ng/ul
RT: 12.62 min Scan# 1665
Delta R.T. -0.00 min
Lab File: BG021955.D
Acq: 19 May 2016 5:58

Tgt Ion:142 Resp: 137274
Ion Ratio Lower Upper
142 100
141 96.3 71.3 106.9





#14

1-Methylnaphthalene

Concen: 19.44 ng/ul

RT: 12.84 min Scan# 1702

Delta R.T. -0.00 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

Instrument :

BNA_G

ClientSampleId :

SSTD02002

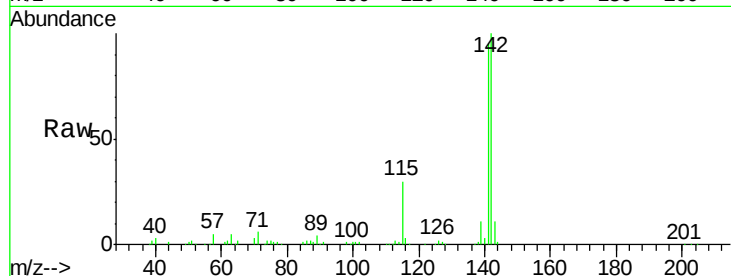
Tot Ion:142 Resp: 137052

Ion Ratio Lower Upper

142 100

141 95.0 77.0 115.4

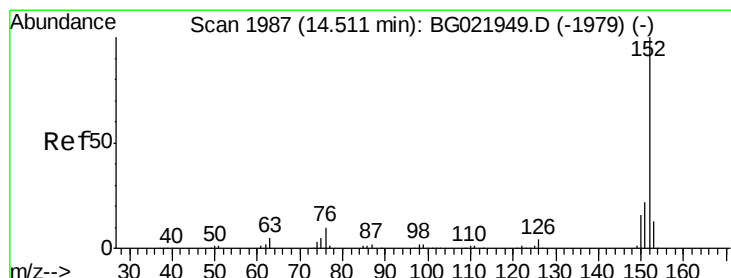
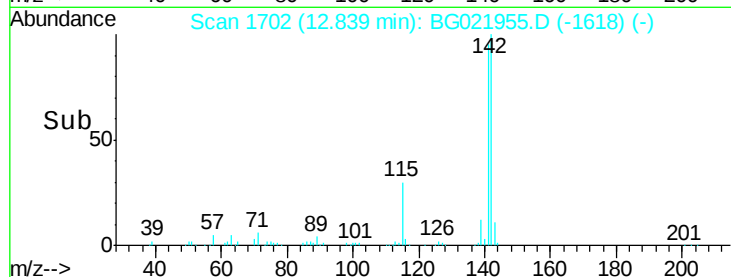
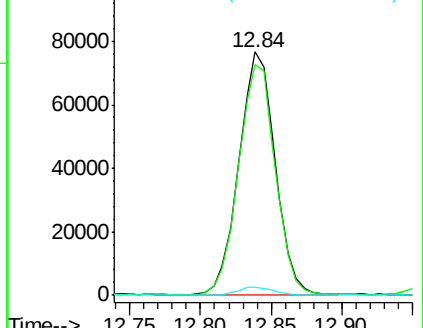
116 3.3 4.2 6.4#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#18

Acenaphthylene

Concen: 20.06 ng/ul

RT: 14.51 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

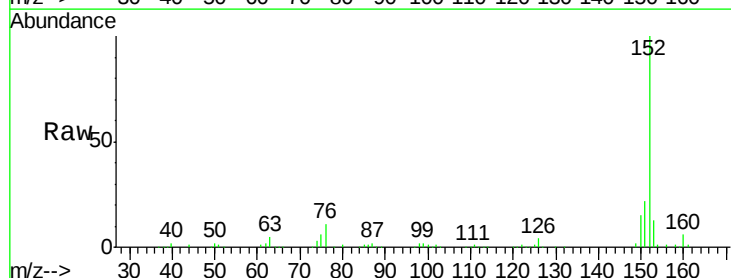
Tgt Ion:152 Resp: 230383

Ion Ratio Lower Upper

152 100

151 21.7 17.3 25.9

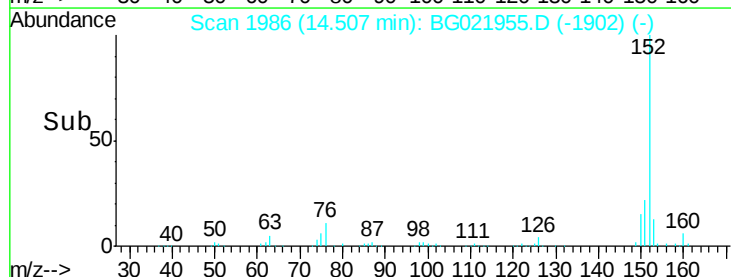
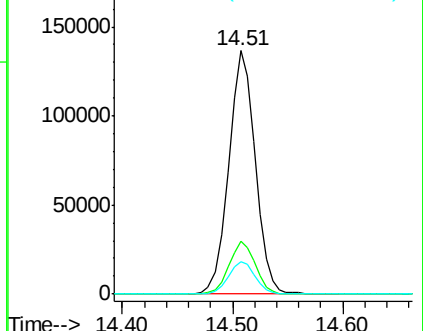
153 13.4 11.1 16.7

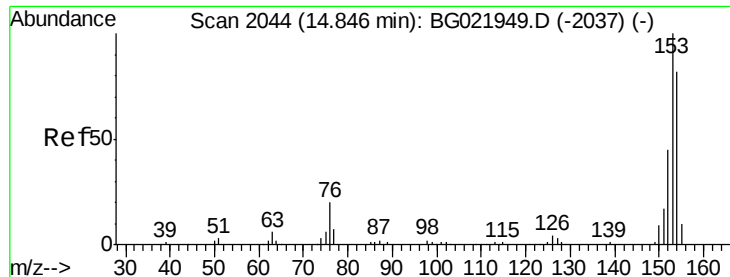


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 20.00 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

Instrument :

BNA_G

ClientSampleId :

SSTD02002

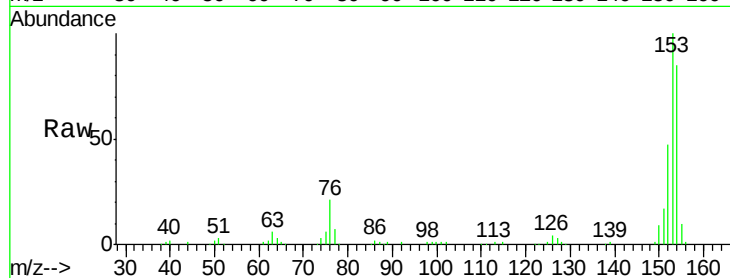
Tot Ion:153 Resp: 157736

Ion Ratio Lower Upper

153 100

152 46.6 36.5 54.7

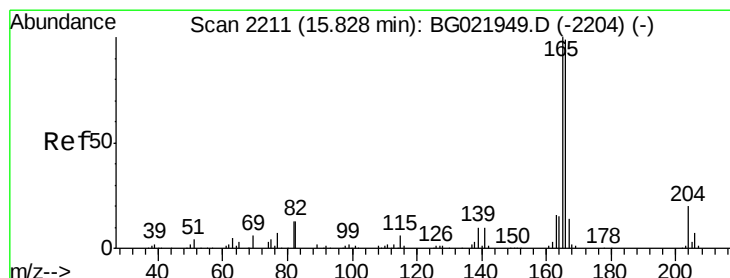
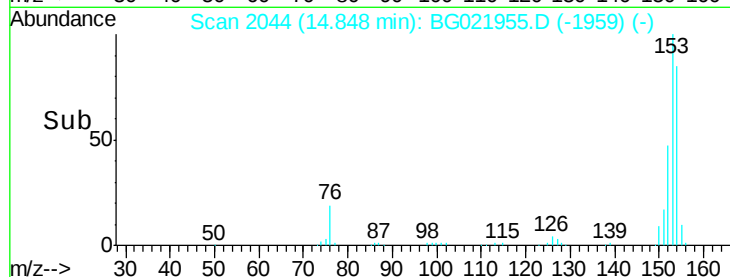
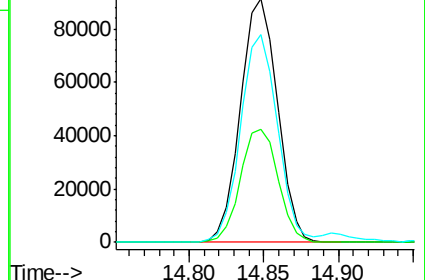
154 85.2 67.3 100.9



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



#22

Fluorene

Concen: 19.61 ng/ul

RT: 15.83 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

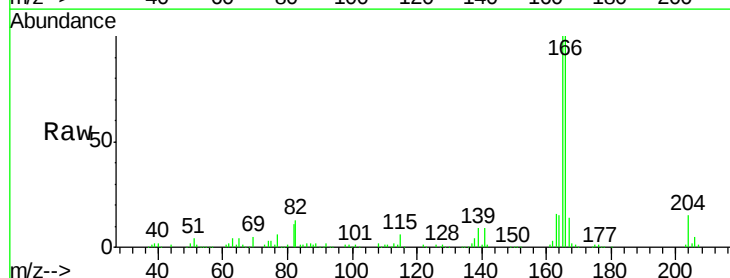
Tgt Ion:166 Resp: 171190

Ion Ratio Lower Upper

166 100

165 100.3 81.1 121.7

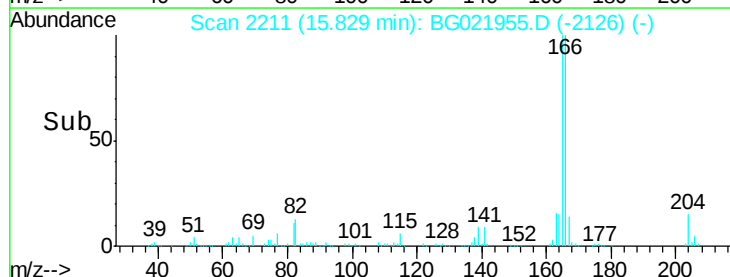
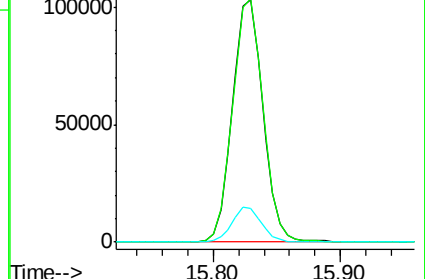
167 13.7 10.6 16.0

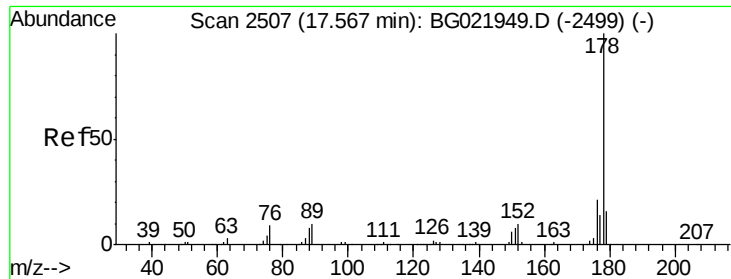


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.20 ng/u1

RT: 17.57 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

Instrument :

BNA_G

ClientSampleId :

SSTD02002

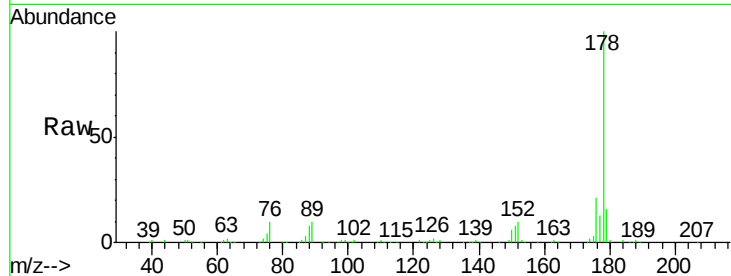
Tot Ion:178 Resp: 252382

Ion Ratio Lower Upper

178 100

179 15.6 11.8 17.8

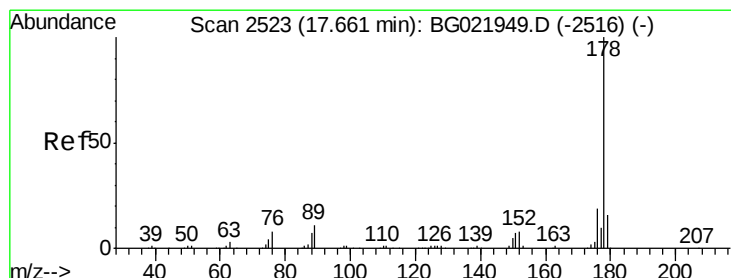
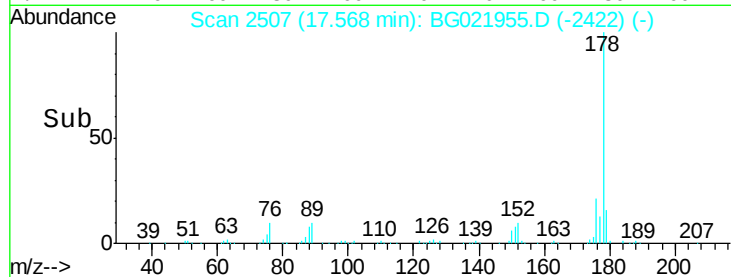
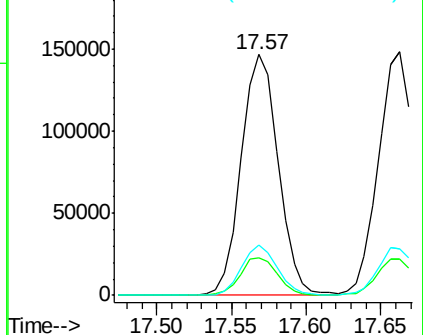
176 20.8 14.8 22.2



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



#27

Anthracene

Concen: 20.00 ng/u1

RT: 17.66 min Scan# 2523

Delta R.T. 0.00 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

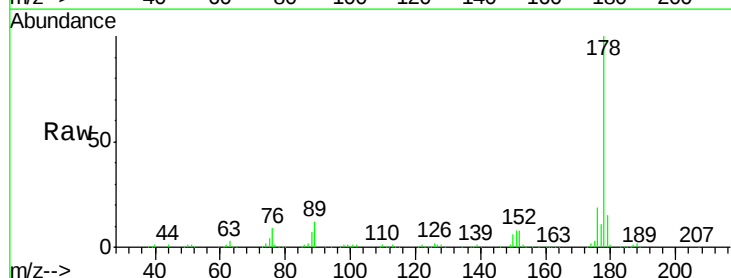
Tgt Ion:178 Resp: 251152

Ion Ratio Lower Upper

178 100

179 15.1 12.9 19.3

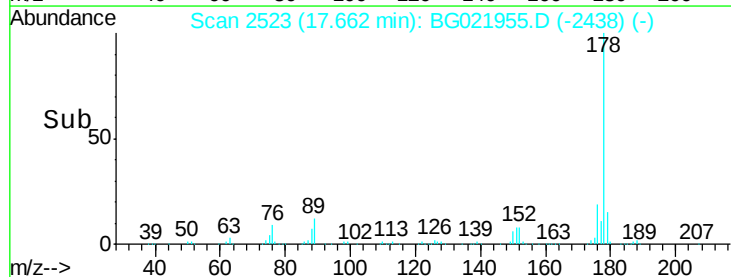
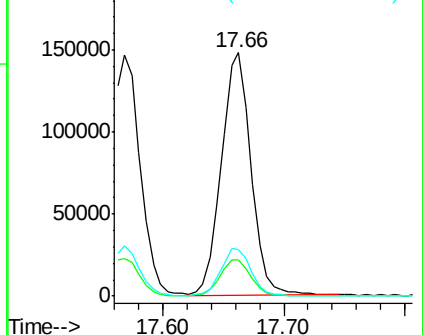
176 18.8 15.6 23.4

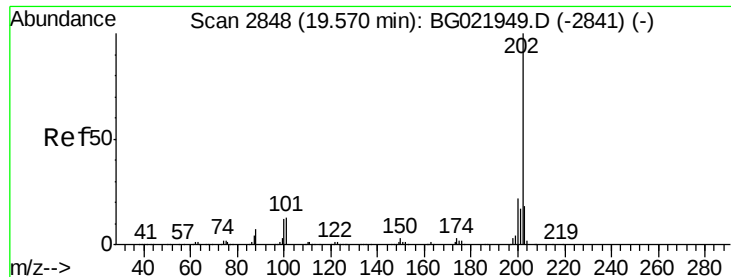


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 20.40 ng/ul

RT: 19.57 min Scan# 2847

Delta R.T. -0.00 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

Instrument :

BNA_G

ClientSampleId :

SSTD02002

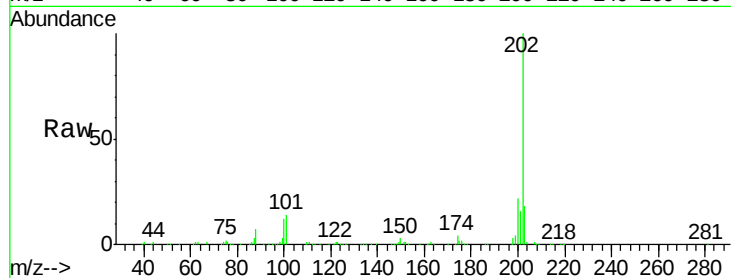
Tot Ion:202 Resp: 264896

Ion Ratio Lower Upper

202 100

101 14.0 8.9 13.3#

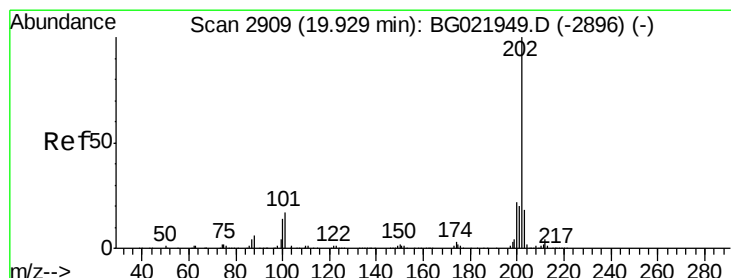
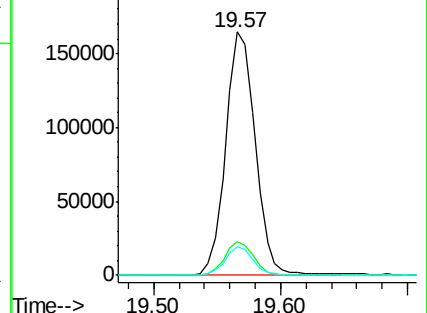
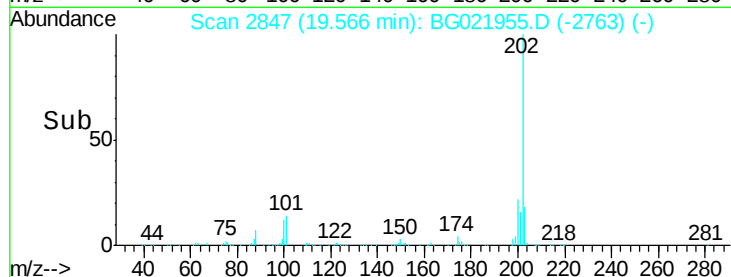
100 11.6 7.0 10.4#



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



#31

Pyrene

Concen: 18.55 ng/ul

RT: 19.57 min Scan# 2847

Delta R.T. -0.36 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

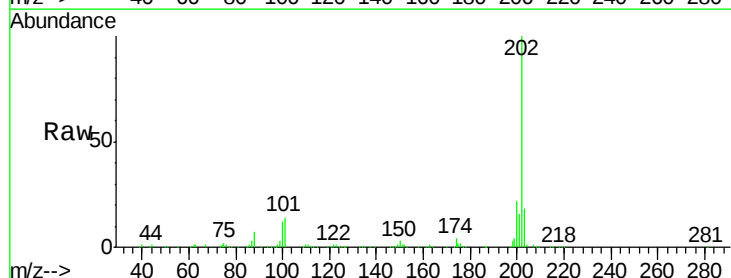
Tgt Ion:202 Resp: 264896

Ion Ratio Lower Upper

202 100

101 14.0 9.8 14.8

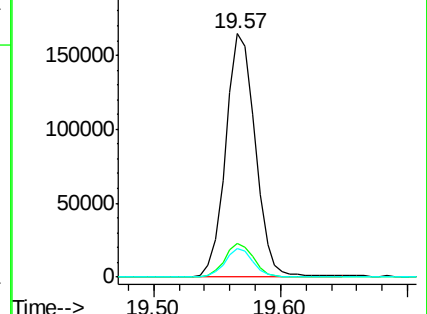
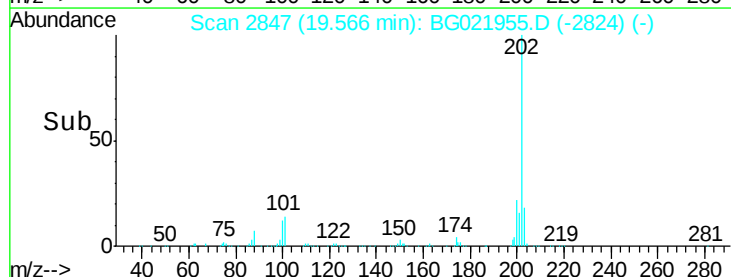
100 11.6 9.3 13.9

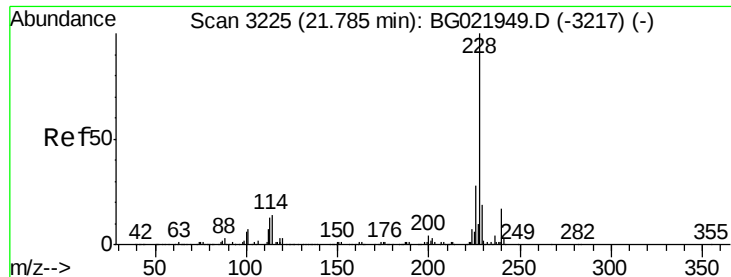


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 20.15 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. 0.00 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

Instrument :

BNA_G

ClientSampleId :

SSTD02002

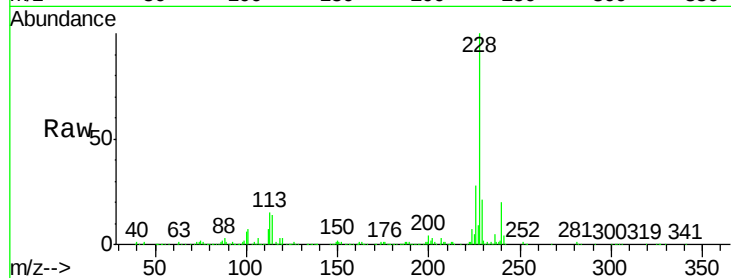
Tot Ion:228 Resp: 231795

Ion Ratio Lower Upper

228 100

229 20.9 16.6 25.0

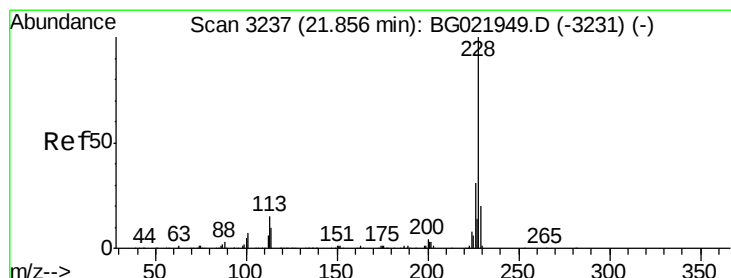
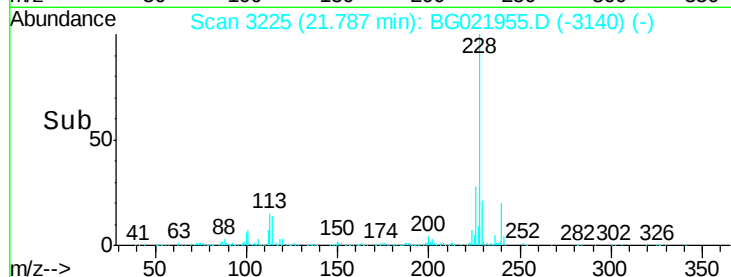
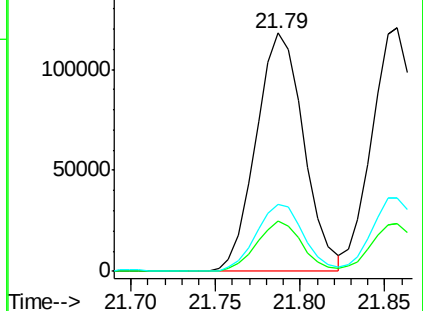
226 28.1 21.0 31.4



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



#33

Chrysene

Concen: 20.04 ng/ul

RT: 21.86 min Scan# 3237

Delta R.T. 0.00 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

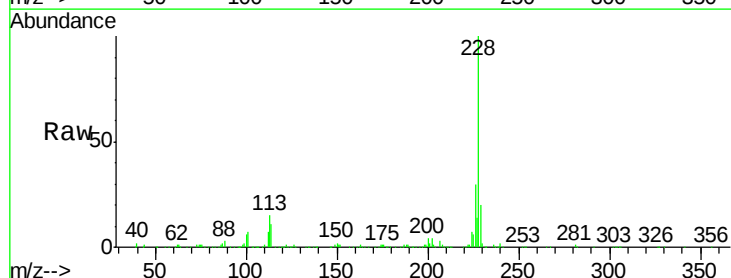
Tgt Ion:228 Resp: 224318

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

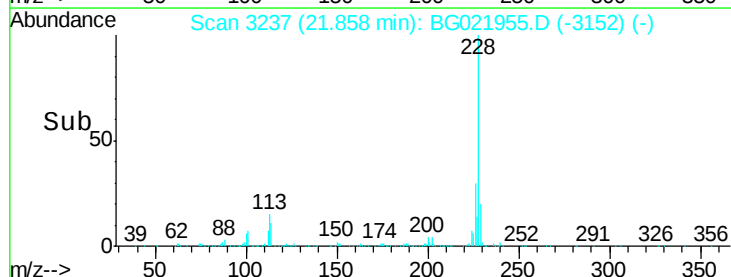
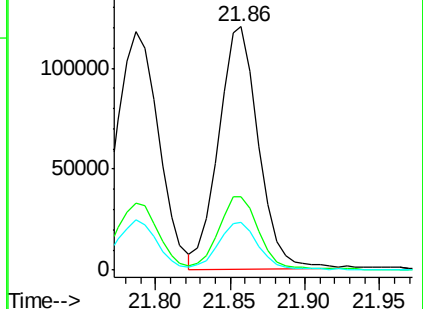
229 19.7 16.2 24.2

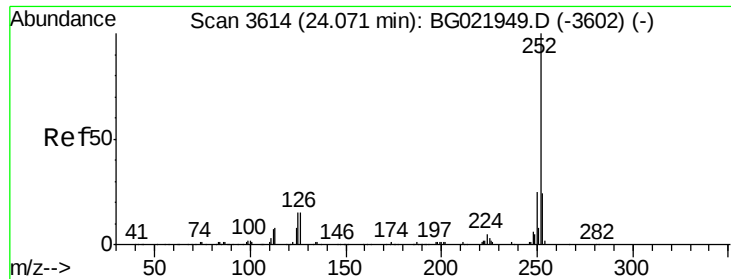


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

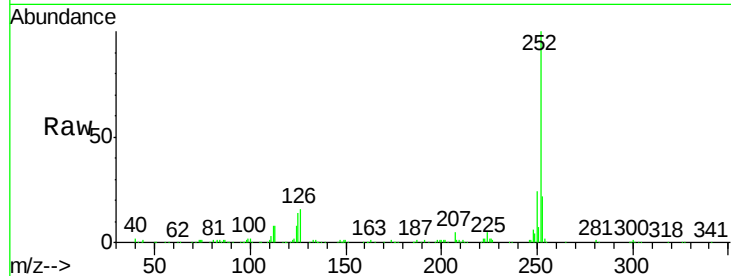




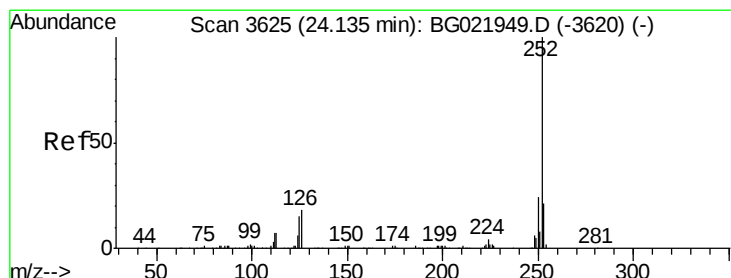
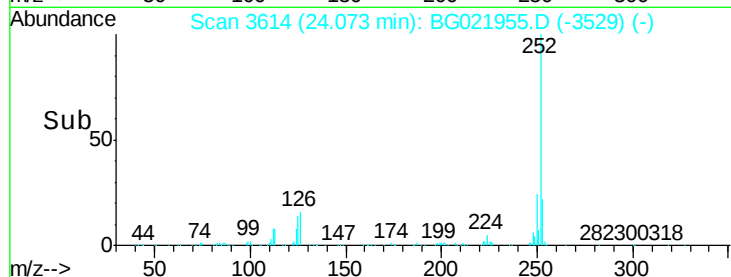
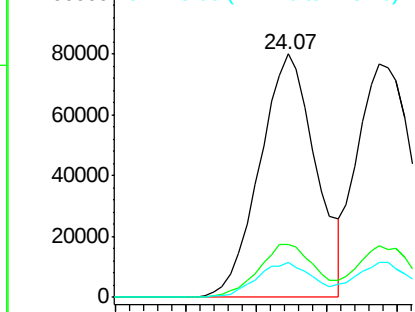
#35
Benzo(b)fluoranthene
Concen: 20.10 ng/ul
RT: 24.07 min Scan# 3614
Delta R.T. 0.00 min
Lab File: BG021955.D
Acq: 19 May 2016 5:58

Instrument :
BNA_G
ClientSampleId :
SSTD02002

Tot Ion:252 Resp: 222295
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 14.4 7.6 11.4#

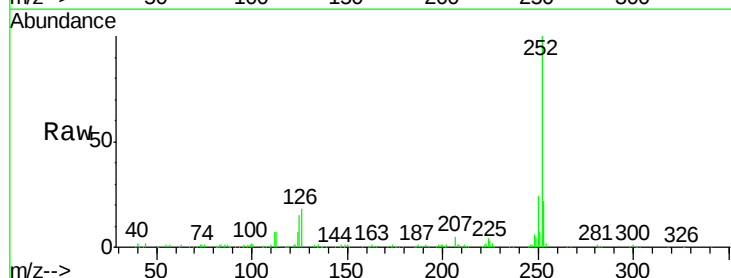


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

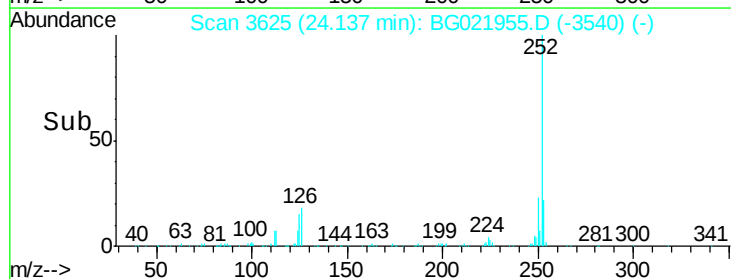
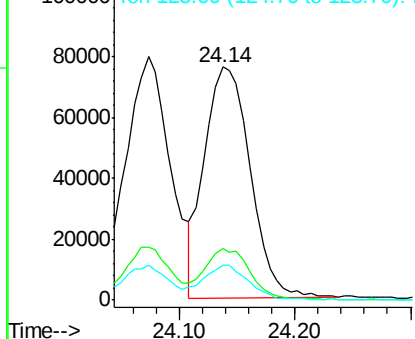


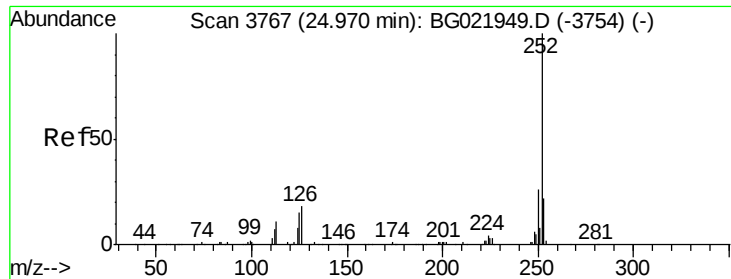
#36
Benzo(k)fluoranthene
Concen: 19.21 ng/ul
RT: 24.14 min Scan# 3625
Delta R.T. 0.00 min
Lab File: BG021955.D
Acq: 19 May 2016 5:58

Tgt Ion:252 Resp: 208960
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 15.2 7.7 11.5#



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





#38

Benzo(a)pyrene

Concen: 19.83 ng/ul

RT: 24.97 min Scan# 3767

Delta R.T. 0.00 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

Instrument :

BNA_G

ClientSampleId :

SSTD02002

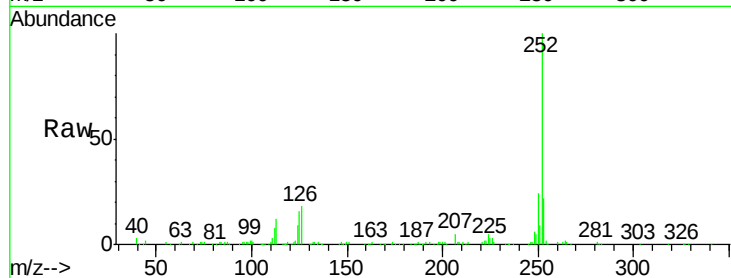
Tot Ion:252 Resp: 209745

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

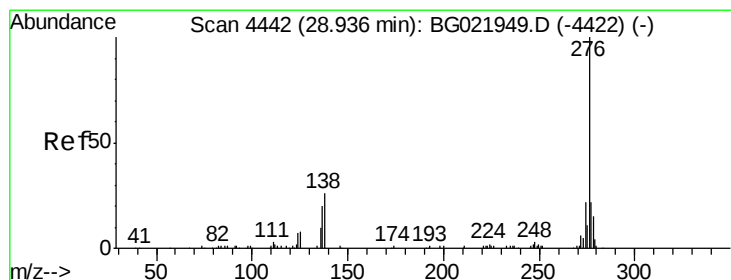
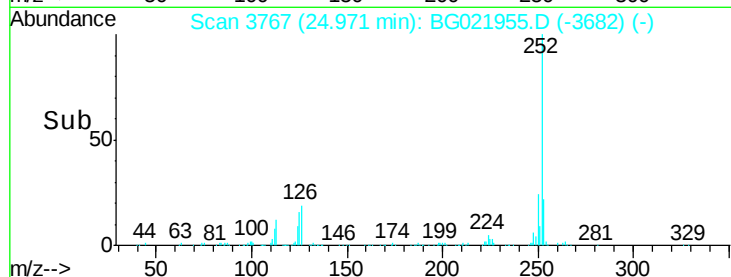
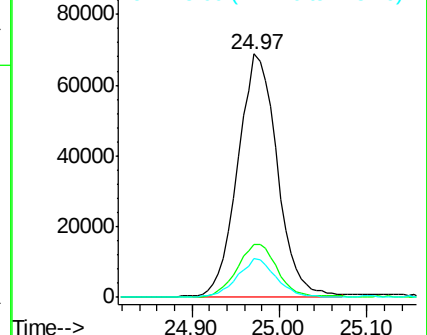
125 15.9 8.2 12.2#



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 20.18 ng/ul

RT: 28.93 min Scan# 4441

Delta R.T. -0.00 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

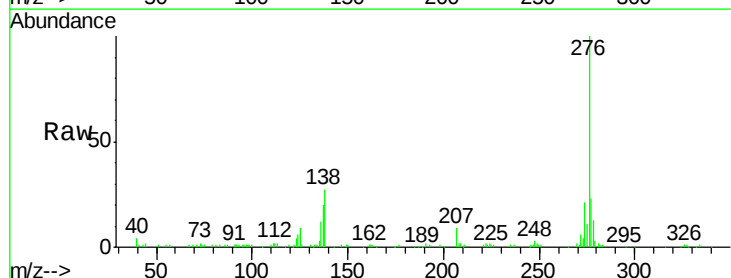
Tgt Ion:276 Resp: 242592

Ion Ratio Lower Upper

276 100

138 26.5 15.8 23.6#

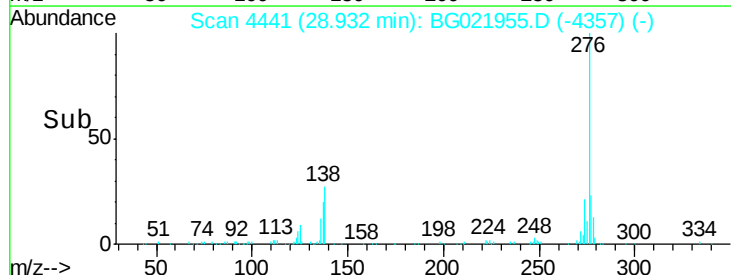
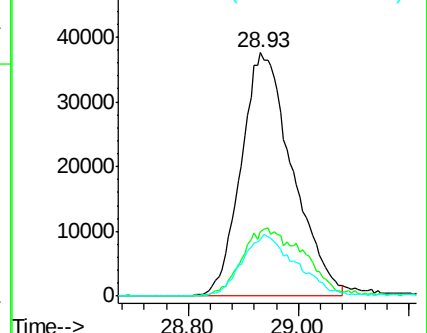
277 23.4 19.0 28.6

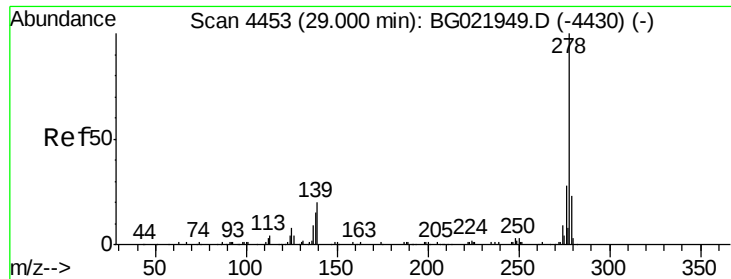


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 11.76 ng/ul

RT: 29.00 min Scan# 4452

Delta R.T. -0.00 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

Instrument :

BNA_G

ClientSampleId :

SSTD02002

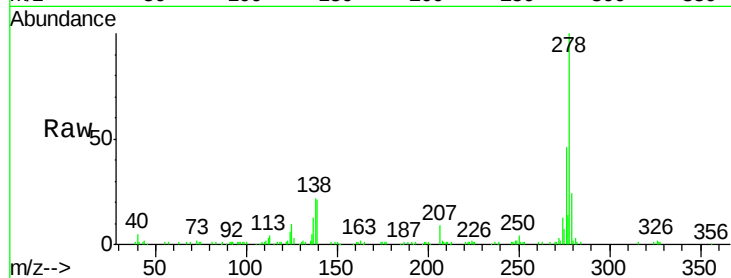
Tot Ion:278 Resp: 117118

Ion Ratio Lower Upper

278 100

139 21.4 12.1 18.1#

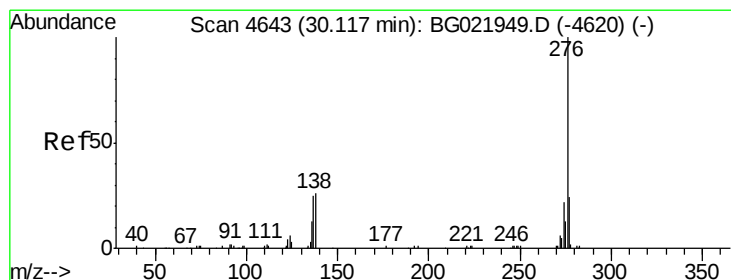
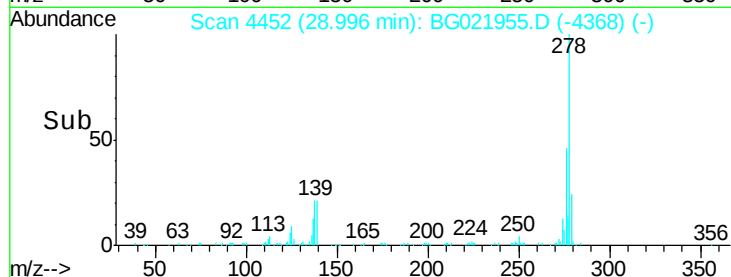
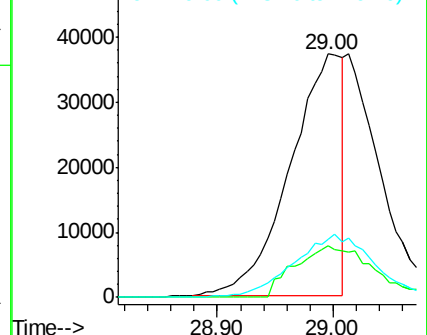
279 24.1 19.8 29.8



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



#41

Benzo(g,h,i)perylene

Concen: 19.93 ng/ul

RT: 30.14 min Scan# 4646

Delta R.T. 0.02 min

Lab File: BG021955.D

Acq: 19 May 2016 5:58

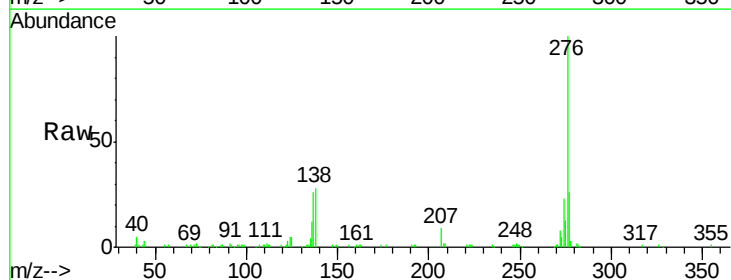
Tgt Ion:276 Resp: 202702

Ion Ratio Lower Upper

276 100

138 28.3 13.9 20.9#

277 25.7 19.8 29.6



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

