

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021949.D
 Acq On : 19 May 2016 1:57
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02001

Quant Time: May 19 03:10:51 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 19 03:03:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	31588	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	174590	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	102759	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	221614	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	200816	20.00	ng/ul	0.00
34) Perylene-d12	25.13	264	182635	20.00	ng/ul	-0.01

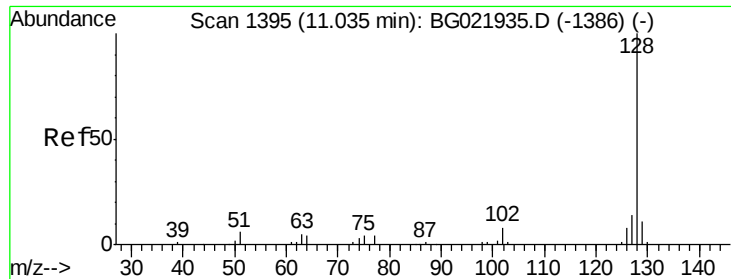
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	5196	7.54	ng/uL	0.00
3) Phenol-d5	7.31	99	57310	20.55	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	30234	20.35	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	48920	21.36	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	50145	20.18	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	25280	20.64	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	25462	19.48	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	47275	20.47	ng/ul	0.00
12) 4-Chloroaniline-d4	11.22	131	949	0.52	ng/ul	0.10
16) Dimethylphthalate-d6	14.18	166	150668	19.02	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	204196	20.01	ng/ul	0.00
20) 4-Nitrophenol-d4	14.98	143	27706	19.88	ng/ul	0.00
21) Fluorene-d10	15.77	176	138877	19.48	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	21453	19.51	ng/ul	0.00
26) Anthracene-d10	17.63	188	203506	19.93	ng/ul	0.00
30) Pyrene-d10	19.90	212	208512	19.68	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.90	264	163679	20.18	ng/ul	0.00

Target Compounds

						Ovalue
11) Naphthalene	11.03	128	173956	20.48	ng/ul	99
13) 2-Methylnaphthalene	12.63	142	123194	20.01	ng/ul	94
14) 1-Methylnaphthalene	12.84	142	125434	19.92	ng/ul#	99
18) Acenaphthylene	14.51	152	213984	20.14	ng/ul	98
19) Acenaphthene	14.85	153	147047	20.15	ng/ul	98
22) Fluorene	15.83	166	156470	19.36	ng/ul	99
25) Phenanthrene	17.57	178	240741	20.32	ng/ul	96
27) Anthracene	17.66	178	241365	20.28	ng/ul	99
28) Fluoranthene	19.57	202	259693	21.10	ng/ul#	93
31) Pyrene	19.57	202	259693	18.78	ng/ul	99
32) Benzo(a)anthracene	21.79	228	224539	20.16	ng/ul	97
33) Chrysene	21.86	228	226967	20.94	ng/ul	98
35) Benzo(b)fluoranthene	24.07	252	213245	20.31	ng/ul#	93
36) Benzo(k)fluoranthene	24.14	252	210713	20.40	ng/ul#	95
38) Benzo(a)pyrene	24.97	252	200772	20.00	ng/ul#	94
39) Indeno(1,2,3-cd)pyrene	28.94	276	231084	20.25	ng/ul#	91
40) Dibenzo(a,h)anthracene	29.00	278	187506	19.84	ng/ul#	93
41) Benzo(g,h,i)perylene	30.12	276	193775	20.07	ng/ul#	91

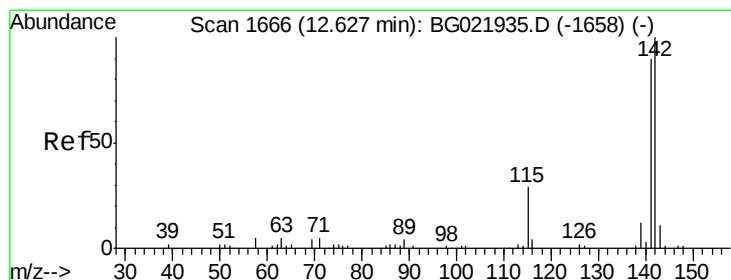
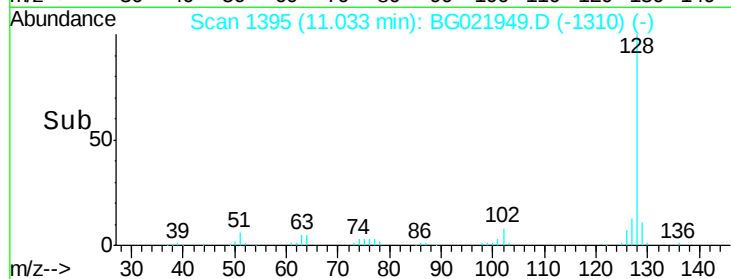
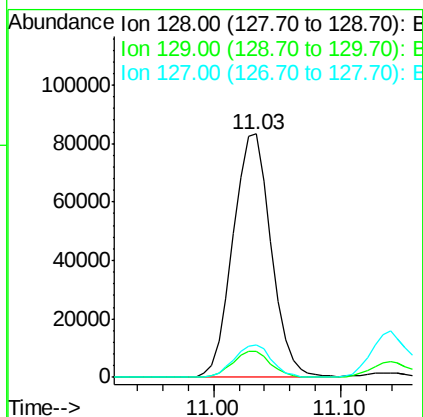
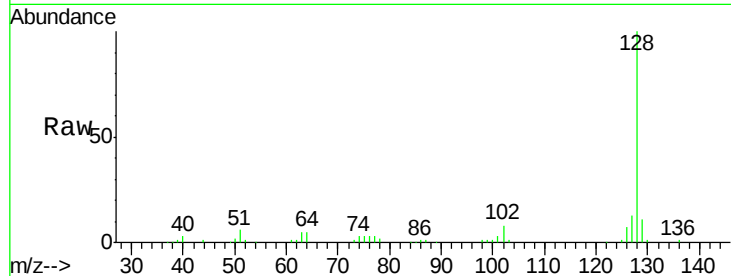
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#11
Naphthalene
Concen: 20.48 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. -0.00 min
Lab File: BG021949.D
Acq: 19 May 2016 1:57

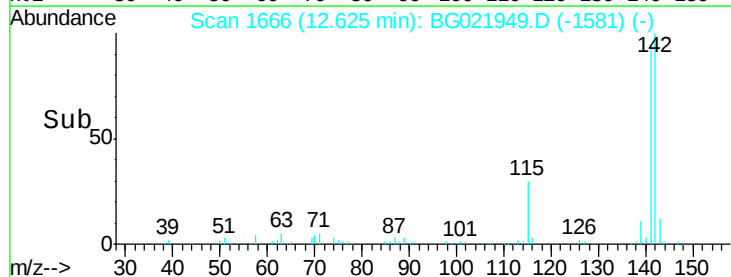
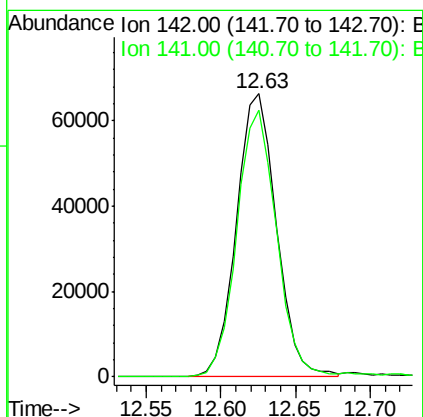
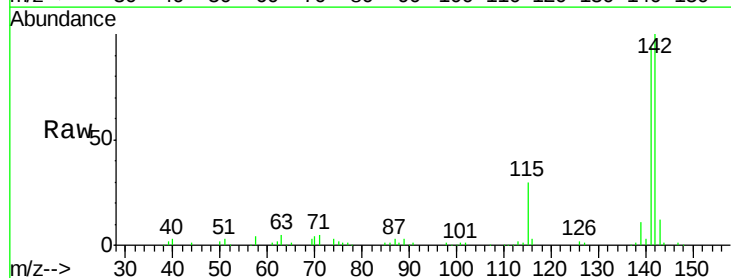
Instrument :
BNA_G
ClientSampleId :
SSTD02001

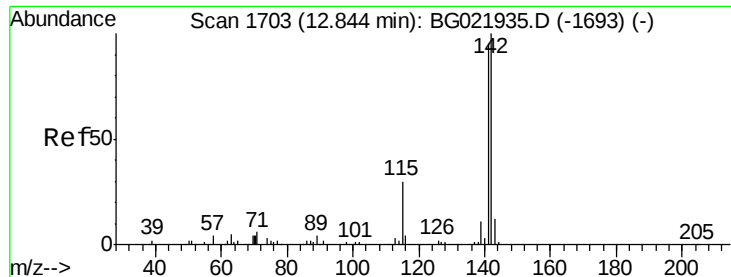
Tot Ion:128 Resp: 173956
Ion Ratio Lower Upper
128 100
129 10.7 8.3 12.5
127 13.1 10.8 16.2



#13
2-Methylnaphthalene
Concen: 20.01 ng/ul
RT: 12.63 min Scan# 1666
Delta R.T. -0.00 min
Lab File: BG021949.D
Acq: 19 May 2016 1:57

Tgt Ion:142 Resp: 123194
Ion Ratio Lower Upper
142 100
141 94.4 71.3 106.9





#14

1-Methylnaphthalene

Concen: 19.92 ng/ul

RT: 12.84 min Scan# 1703

Delta R.T. -0.00 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

Instrument :

BNA_G

ClientSampleId :

SSTD02001

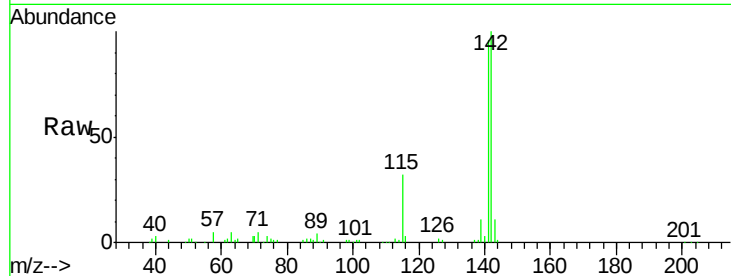
Tot Ion:142 Resp: 125434

Ion Ratio Lower Upper

142 100

141 95.5 77.0 115.4

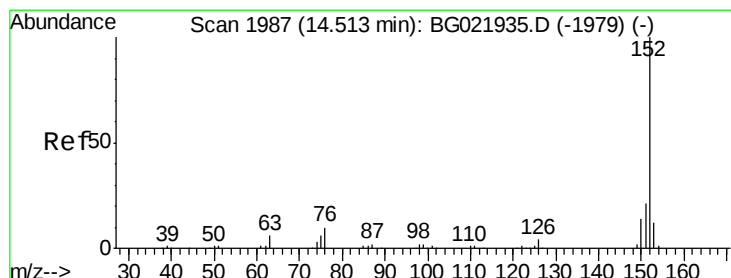
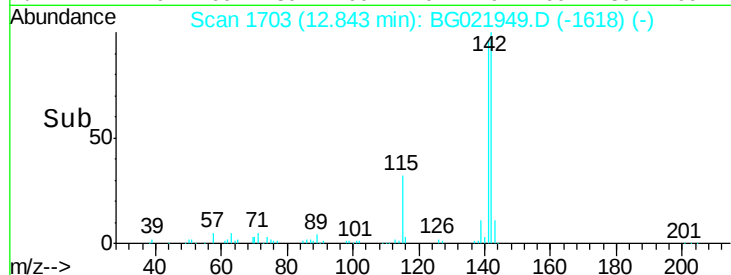
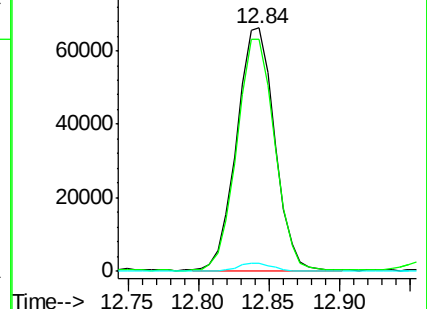
116 3.5 4.2 6.4#



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: 20.14 ng/ul

RT: 14.51 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

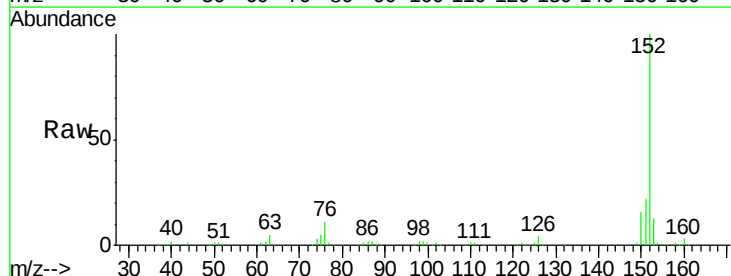
Tgt Ion:152 Resp: 213984

Ion Ratio Lower Upper

152 100

151 22.5 17.3 25.9

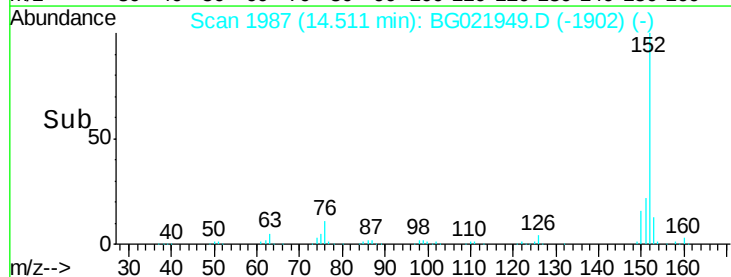
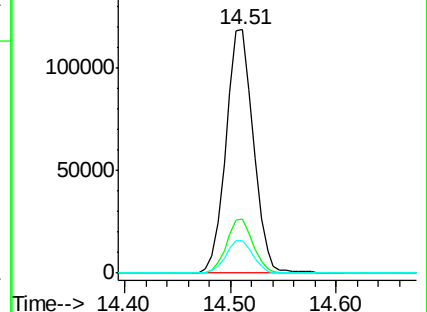
153 13.5 11.1 16.7

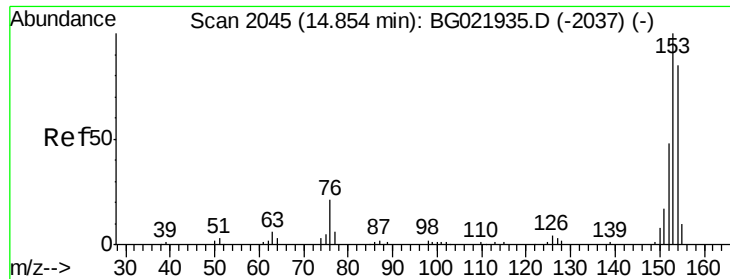


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 20.15 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

Instrument :

BNA_G

ClientSampleId :

SSTD02001

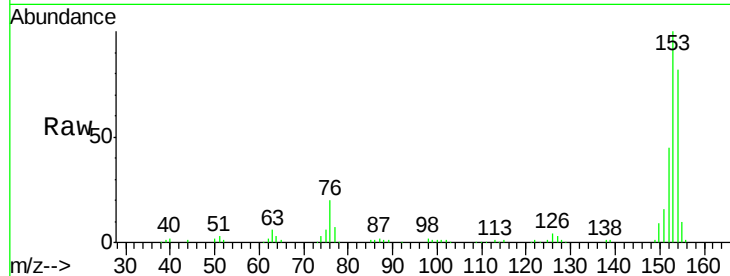
Tot Ion:153 Resp: 147047

Ion Ratio Lower Upper

153 100

152 45.1 36.5 54.7

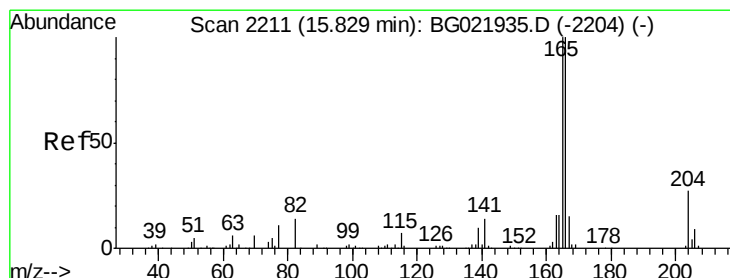
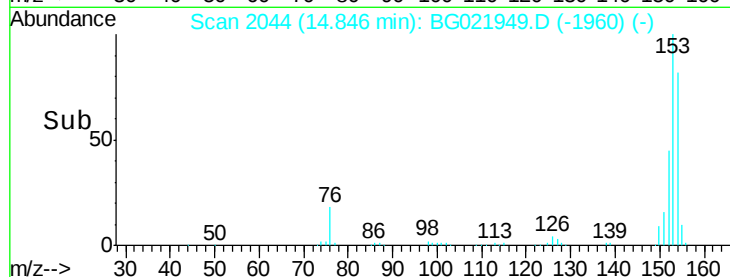
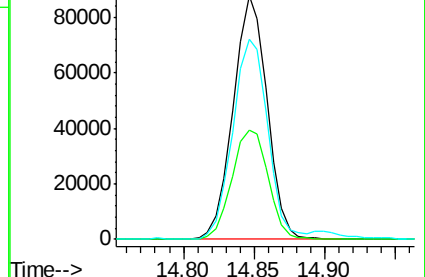
154 82.3 67.3 100.9



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: 19.36 ng/ul

RT: 15.83 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

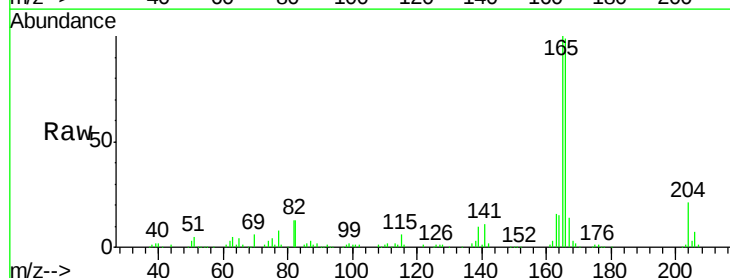
Tgt Ion:166 Resp: 156470

Ion Ratio Lower Upper

166 100

165 100.9 81.1 121.7

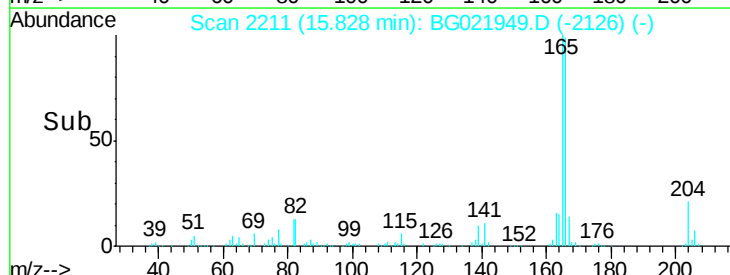
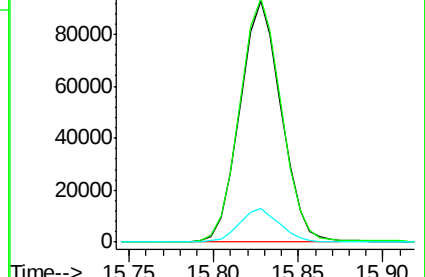
167 13.8 10.6 16.0

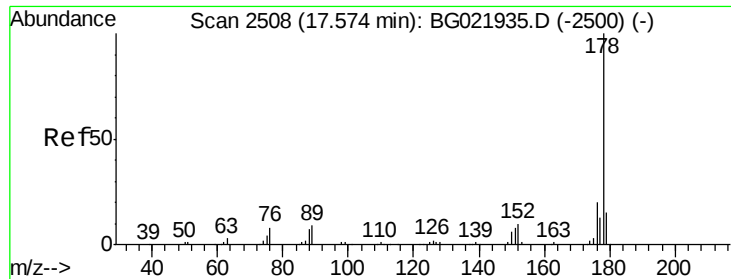


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.32 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.01 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

Instrument :

BNA_G

ClientSampleId :

SSTD02001

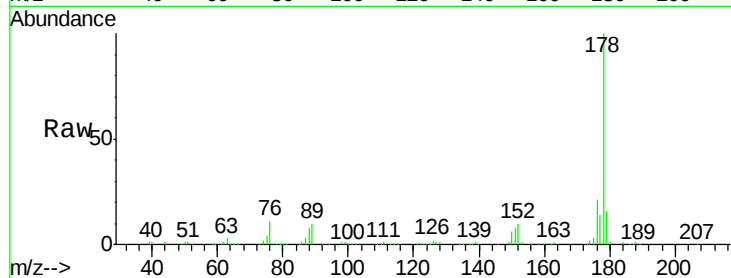
Tot Ion:178 Resp: 240741

Ion Ratio Lower Upper

178 100

179 15.7 11.8 17.8

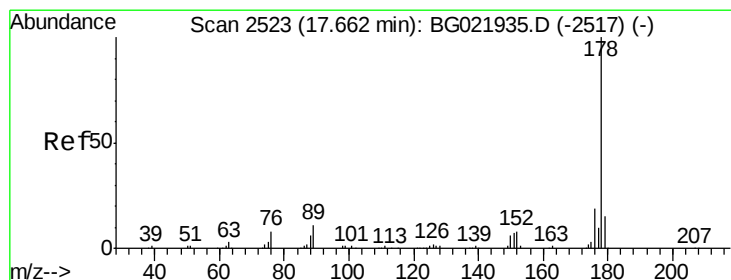
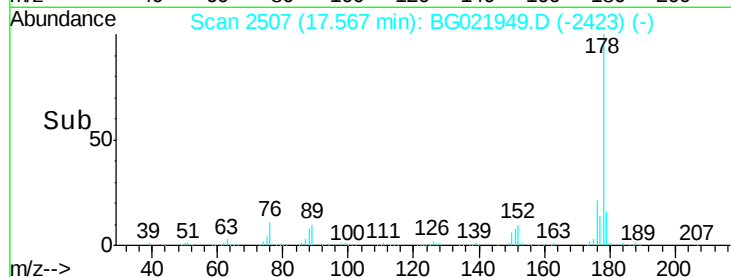
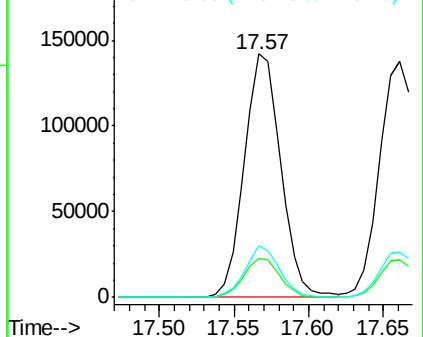
176 21.3 14.8 22.2



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: 20.28 ng/ul

RT: 17.66 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

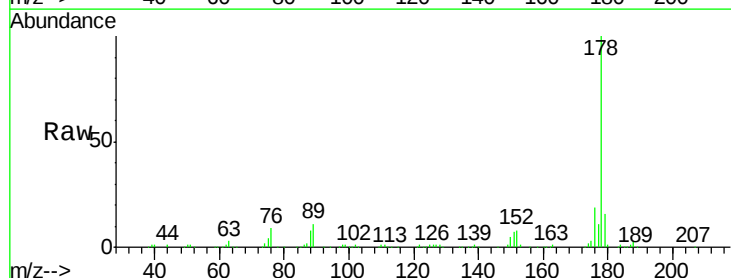
Tgt Ion:178 Resp: 241365

Ion Ratio Lower Upper

178 100

179 15.7 12.9 19.3

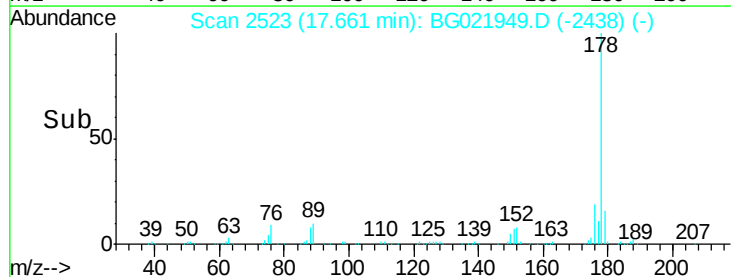
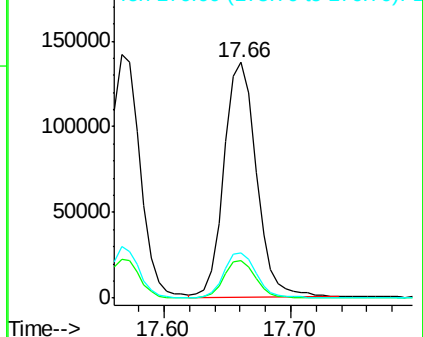
176 19.1 15.6 23.4

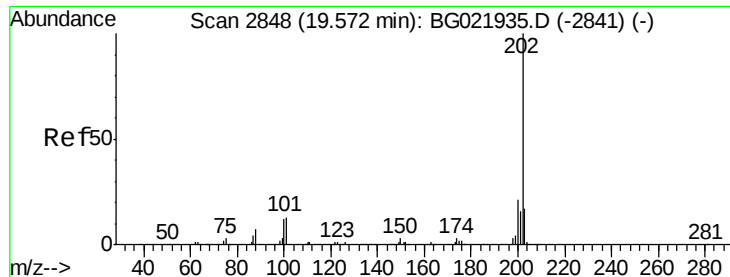


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 21.10 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

Instrument :

BNA_G

ClientSampleId :

SSTD02001

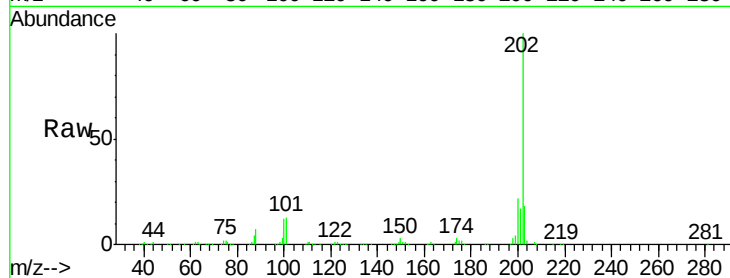
Tot Ion:202 Resp: 259693

Ion Ratio Lower Upper

202 100

101 13.1 8.9 13.3

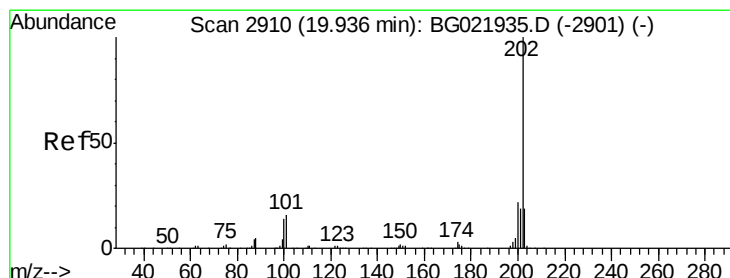
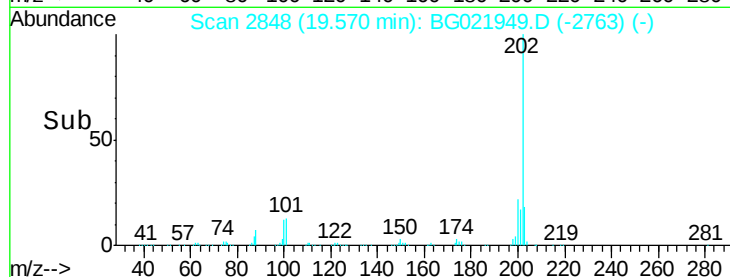
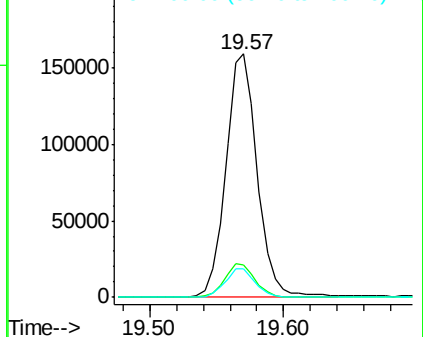
100 11.8 7.0 10.4#



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: 18.78 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.37 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

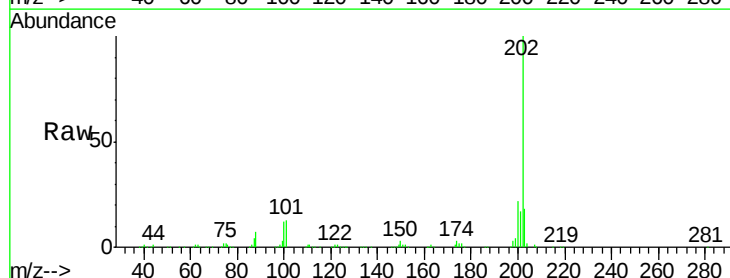
Tgt Ion:202 Resp: 259693

Ion Ratio Lower Upper

202 100

101 13.1 9.8 14.8

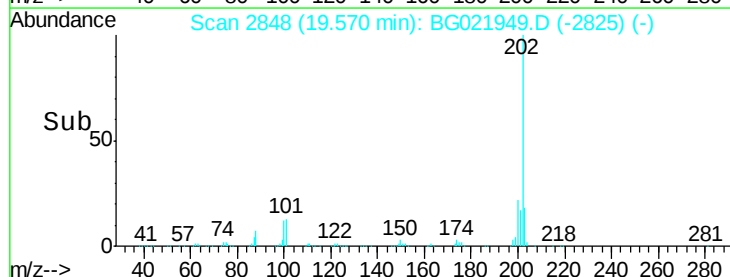
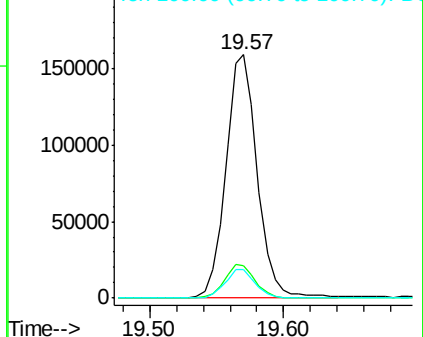
100 11.8 9.3 13.9

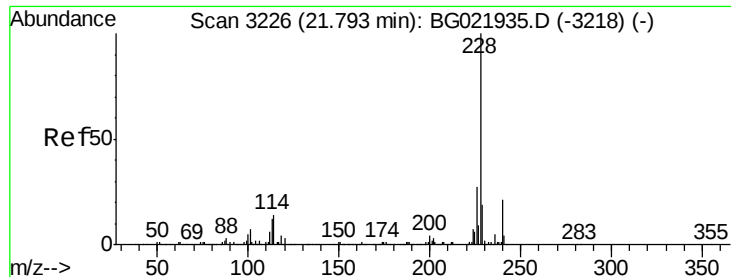


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 20.16 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.01 min

Lab File: BG021949.D

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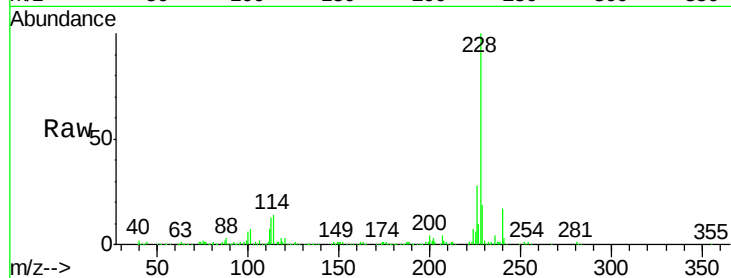
Tot Ion:228 Resp: 224539

Ion Ratio Lower Upper

228 100

229 19.3 16.6 25.0

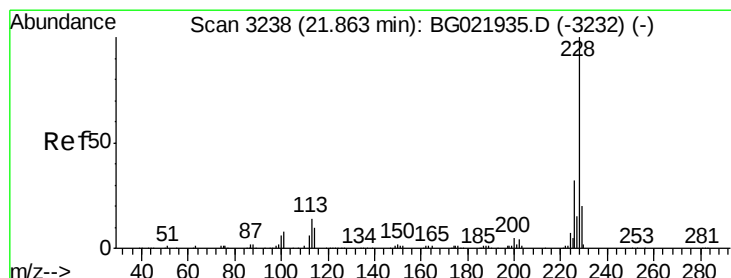
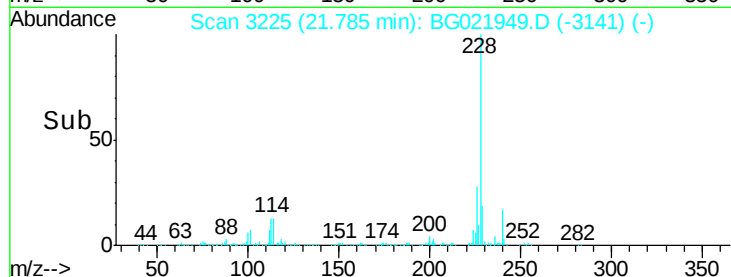
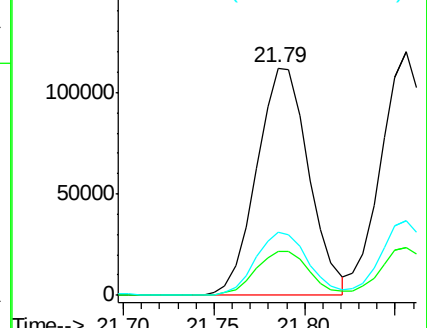
226 27.8 21.0 31.4



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: 20.94 ng/ul

RT: 21.86 min Scan# 3237

Delta R.T. -0.01 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

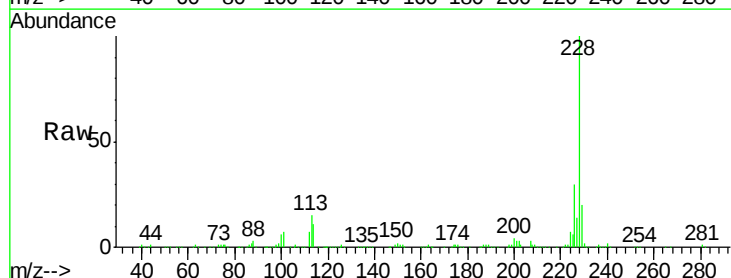
Tgt Ion:228 Resp: 226967

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

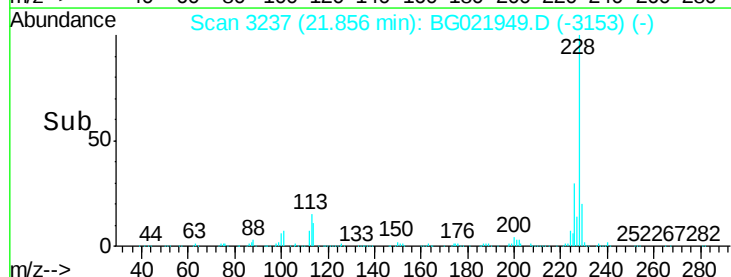
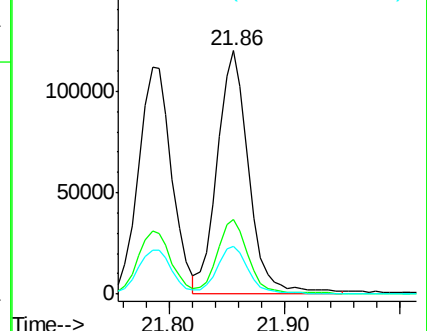
229 19.6 16.2 24.2

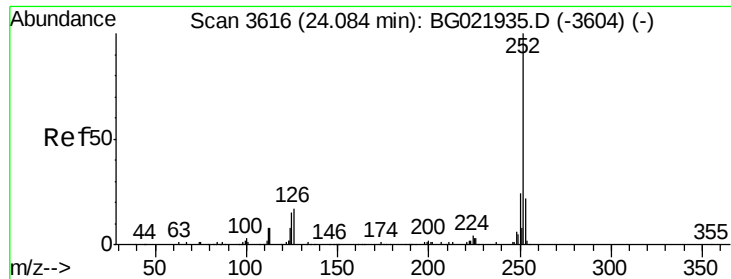


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 20.31 ng/ul

RT: 24.07 min Scan# 3614

Delta R.T. -0.01 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

Instrument :

BNA_G

ClientSampleId :

SSTD02001

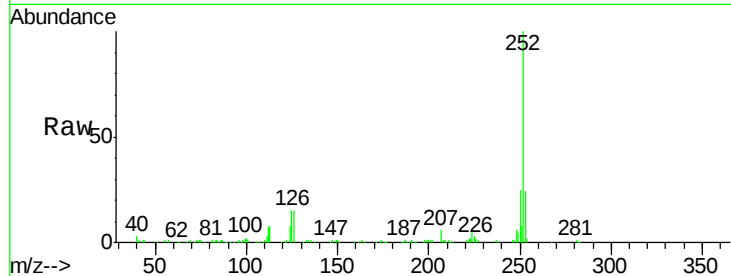
Tot Ion:252 Resp: 213245

Ion Ratio Lower Upper

252 100

253 24.0 18.1 27.1

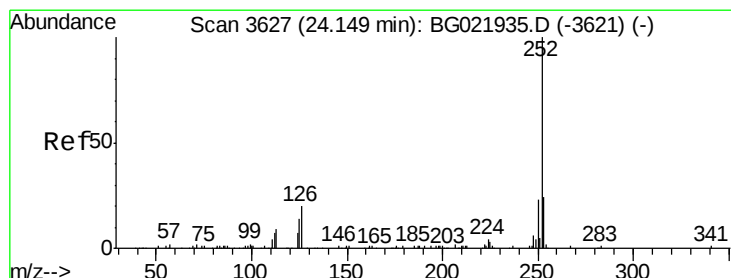
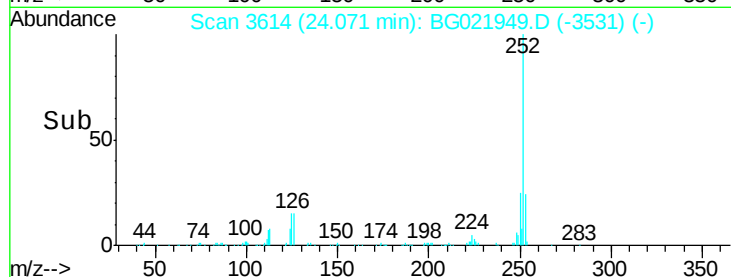
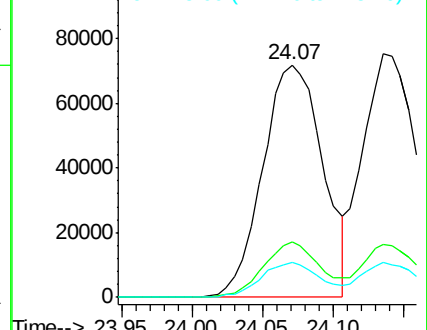
125 15.0 7.6 11.4#



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: 20.40 ng/ul

RT: 24.14 min Scan# 3625

Delta R.T. -0.01 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

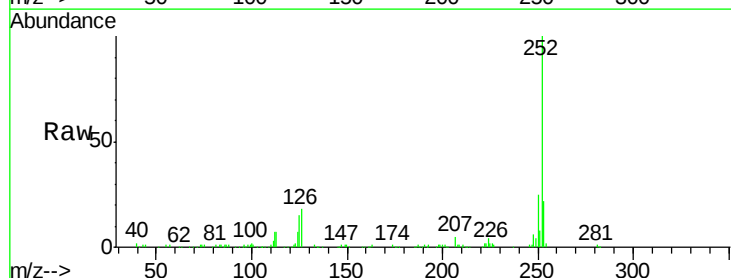
Tgt Ion:252 Resp: 210713

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

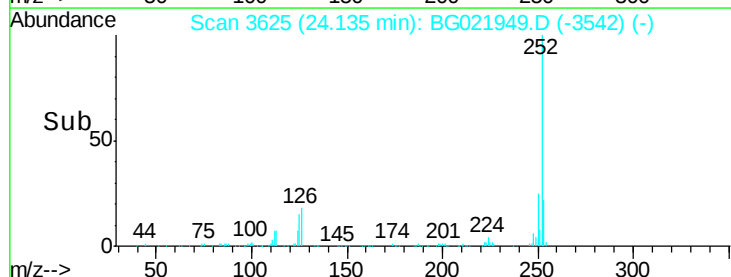
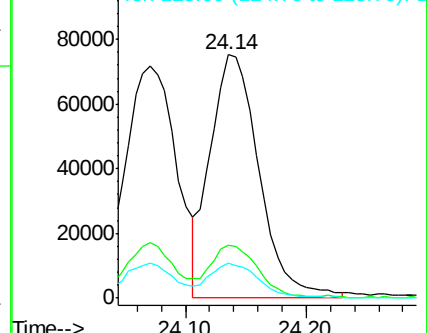
125 14.6 7.7 11.5#

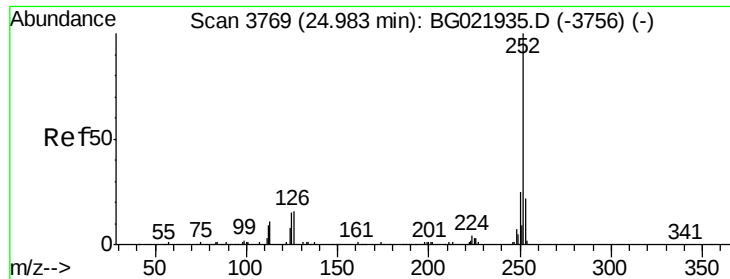


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 20.00 ng/ul

RT: 24.97 min Scan# 3767

Delta R.T. -0.01 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

Instrument :

BNA_G

ClientSampleId :

SSTD02001

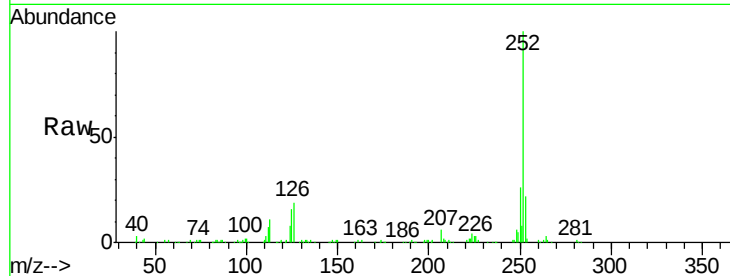
Tot Ion:252 Resp: 200772

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

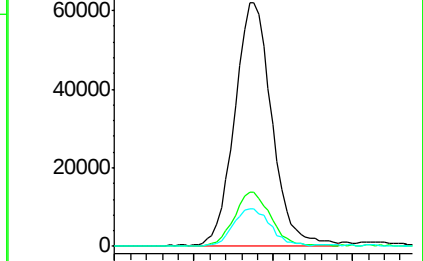
125 15.5 8.2 12.2#



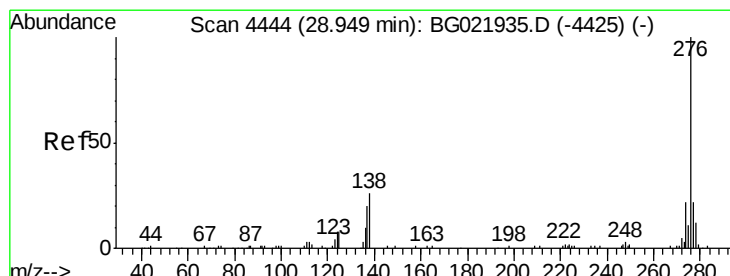
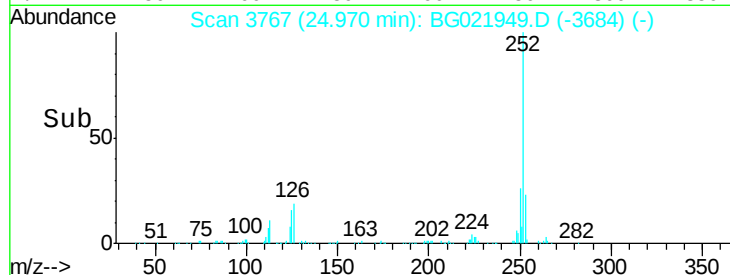
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#39

Indeno(1,2,3-cd)pyrene

Concen: 20.25 ng/ul

RT: 28.94 min Scan# 4442

Delta R.T. -0.01 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

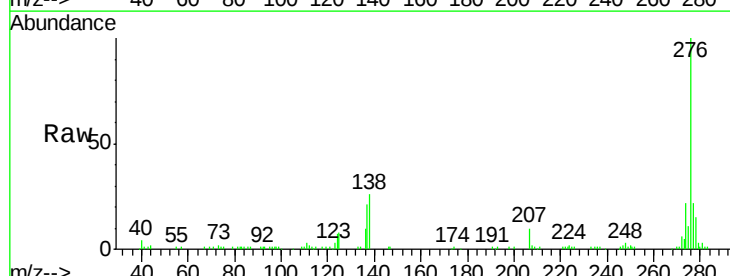
Tgt Ion:276 Resp: 231084

Ion Ratio Lower Upper

276 100

138 26.4 15.8 23.6#

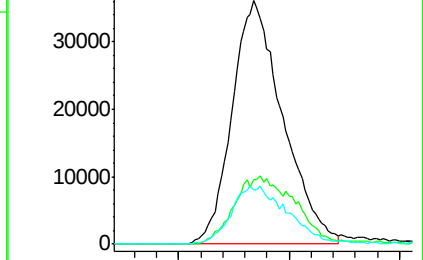
277 22.1 19.0 28.6



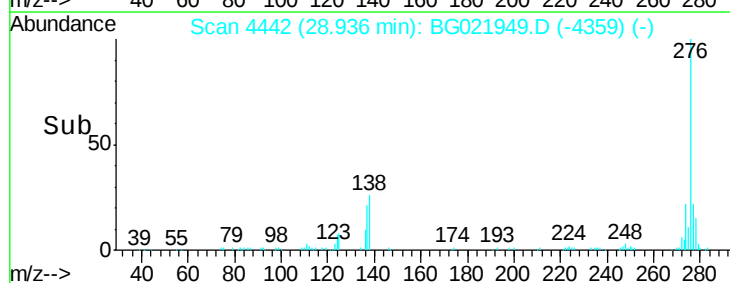
Abundance Ion 276.00 (275.70 to 276.70): E

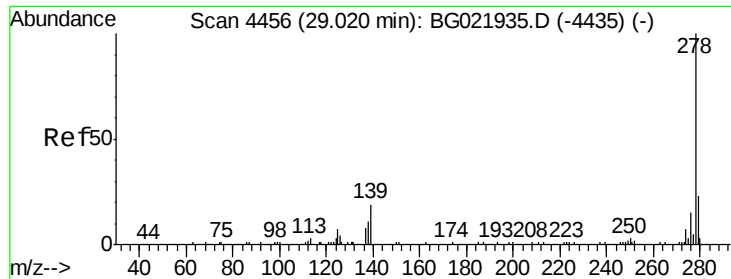
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->





#40

Dibenzo(a,h)anthracene

Concen: 19.84 ng/ul

RT: 29.00 min Scan# 4453

Delta R.T. -0.02 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

Instrument :

BNA_G

ClientSampleId :

SSTD02001

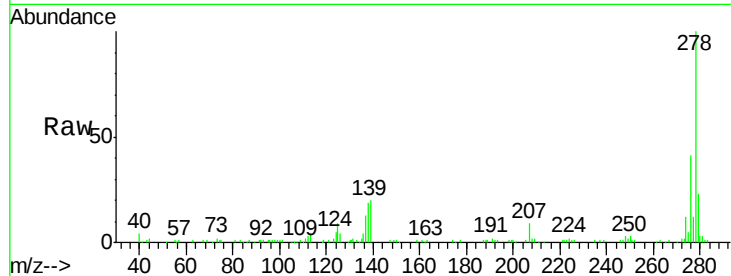
Tot Ion:278 Resp: 187506

Ion Ratio Lower Upper

278 100

139 20.3 12.1 18.1#

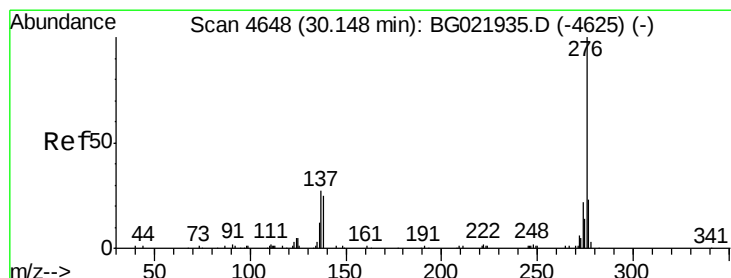
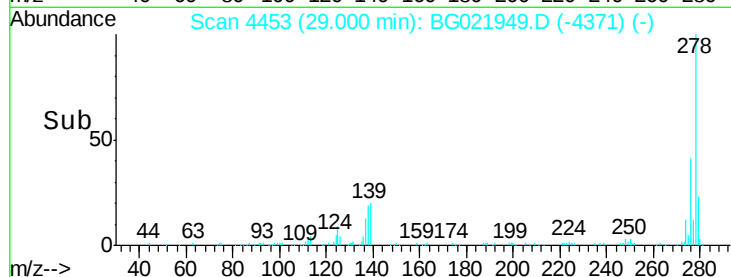
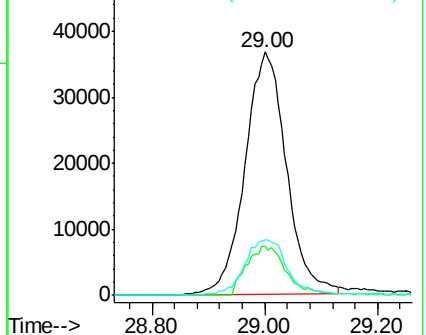
279 22.8 19.8 29.8



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: 20.07 ng/ul

RT: 30.12 min Scan# 4643

Delta R.T. -0.03 min

Lab File: BG021949.D

Acq: 19 May 2016 1:57

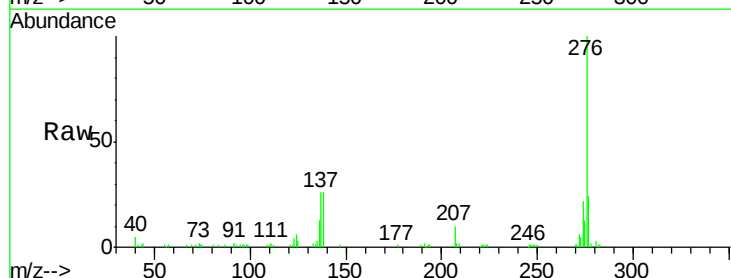
Tgt Ion:276 Resp: 193775

Ion Ratio Lower Upper

276 100

138 26.5 13.9 20.9#

277 24.1 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

