

Data Path : Z:\HPCHEM1\BNA_G\Data\BG052516\
 Data File : BG022060.D
 Acq On : 25 May 2016 15:51
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC0.4

Quant Time: May 26 03:04:41 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	28685	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	158417	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.79	164	102719	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.54	188	222584	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	165419	20.00	ng/ul	0.00
34) Perylene-d12	25.16	264	159228	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.52	96	3882	6.21	ng/uL	-0.02
3) Phenol-d5	7.32	99	51071	20.16	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	26706	19.80	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	42501	20.44	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	48239	21.38	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	22662	20.39	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	25921	21.86	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	46581	22.22	ng/ul	0.00
12) 4-Chloroaniline-d4	11.12	131	53051	32.14	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	161102	20.34	ng/ul	0.00
17) Acenaphthylene-d8	14.49	160	205595	20.15	ng/ul	0.00
20) 4-Nitrophenol-d4	15.00	143	24696	17.73	ng/ul	0.01
21) Fluorene-d10	15.78	176	144949	20.33	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.90	200	25032	22.66	ng/ul	0.00
26) Anthracene-d10	17.63	188	202948	19.79	ng/ul	0.00
30) Pyrene-d10	19.91	212	171422	19.64	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.92	264	138796	19.63	ng/ul	0.00

Target Compounds

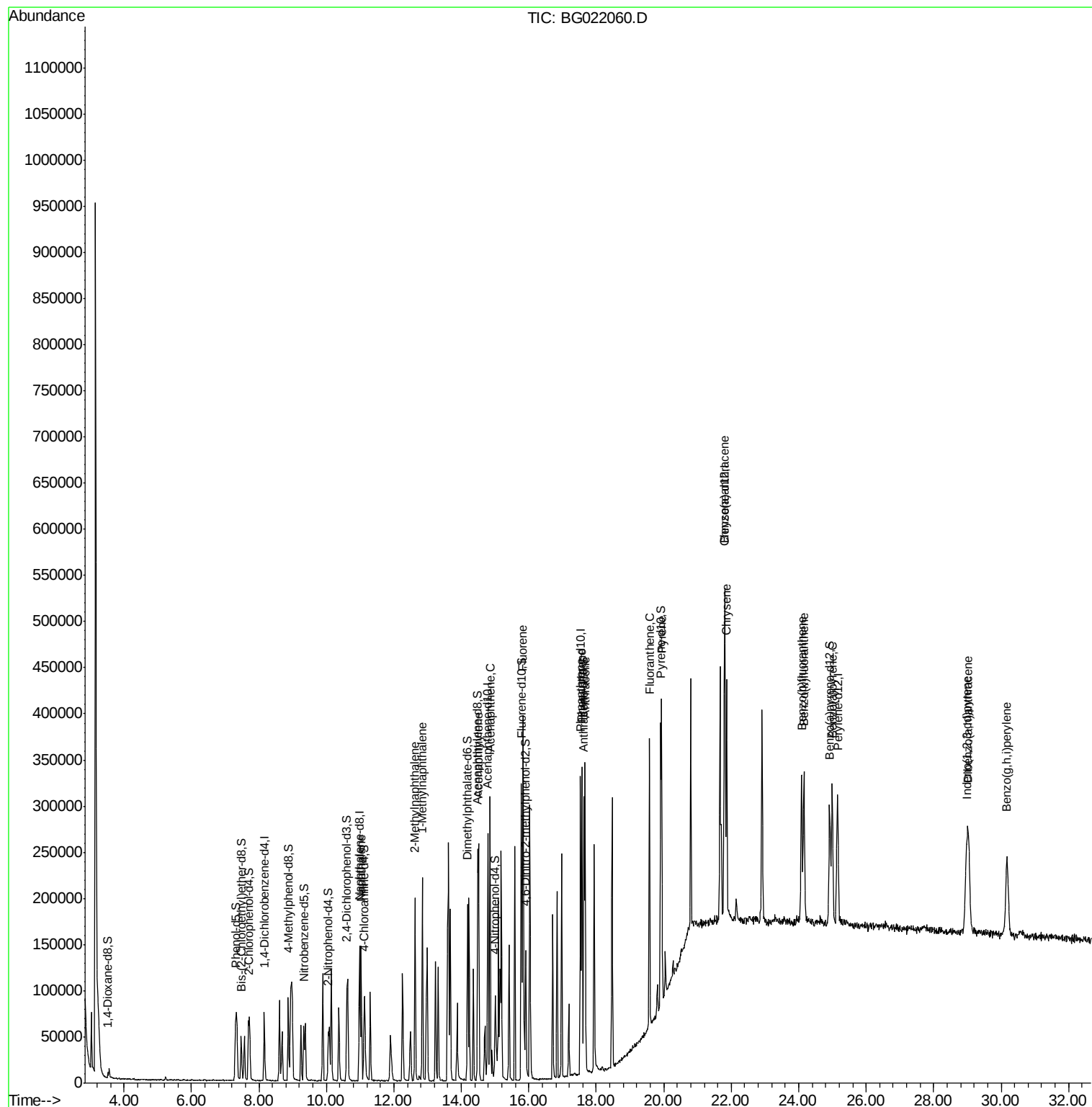
						Qvalue
11) Naphthalene	11.03	128	156409	20.30	ng/ul	99
13) 2-Methylnaphthalene	12.63	142	116830	20.92	ng/ul	93
14) 1-Methylnaphthalene	12.85	142	119745	20.95	ng/ul#	99
18) Acenaphthylene	14.52	152	208727	19.65	ng/ul	98
19) Acenaphthene	14.85	153	144935	19.87	ng/ul	99
22) Fluorene	15.83	166	160059	19.82	ng/ul	100
25) Phenanthrene	17.58	178	232987	19.58	ng/ul	96
27) Anthracene	17.66	178	238727	19.97	ng/ul	100
28) Fluoranthene	19.57	202	213667	17.28	ng/ul#	95
31) Pyrene	19.94	202	212349	18.64	ng/ul	97
32) Benzo(a)anthracene	21.80	228	181020	19.73	ng/ul	97
33) Chrysene	21.87	228	169807	19.02	ng/ul	98
35) Benzo(b)fluoranthene	24.09	252	171394	18.72	ng/ul#	96
36) Benzo(k)fluoranthene	24.15	252	167690	18.62	ng/ul#	95
38) Benzo(a)pyrene	24.99	252	166826	19.06	ng/ul#	90
39) Indeno(1,2,3-cd)pyrene	28.97	276	93497	9.40	ng/ul#	88
40) Dibenzo(a,h)anthracene	29.03	278	160112	19.43	ng/ul#	95
41) Benzo(g,h,i)perylene	30.17	276	163441	19.42	ng/ul#	93

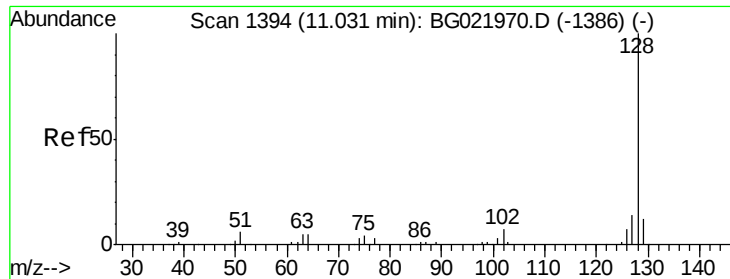
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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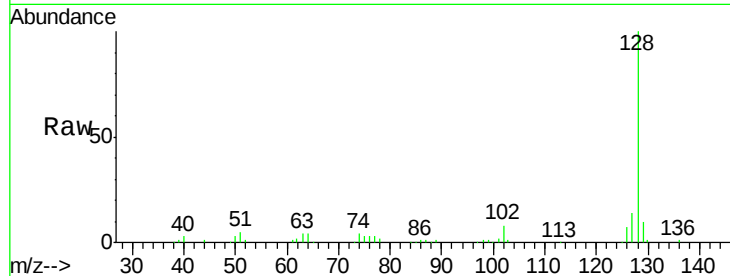




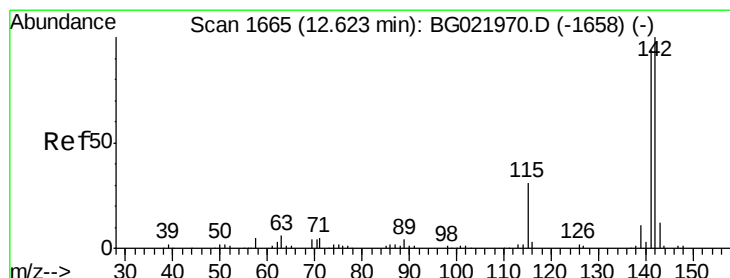
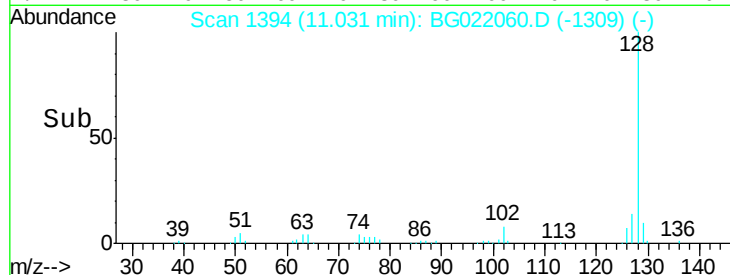
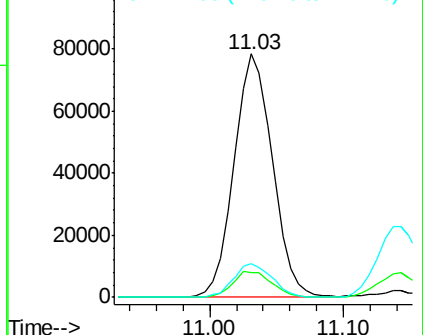
#11
Naphthalene
Concen: 20.30 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. 0.00 min
Lab File: BG022060.D
Acq: 25 May 2016 15:51

Instrument :
BNA_G
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 156409
Ion Ratio Lower Upper
128 100
129 10.1 8.3 12.5
127 13.7 10.8 16.2

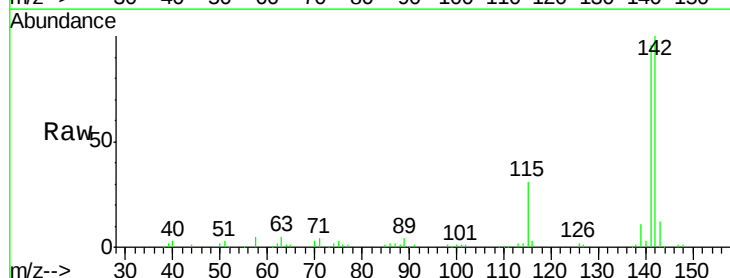


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

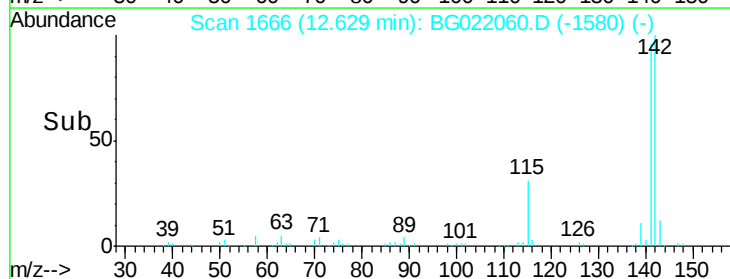
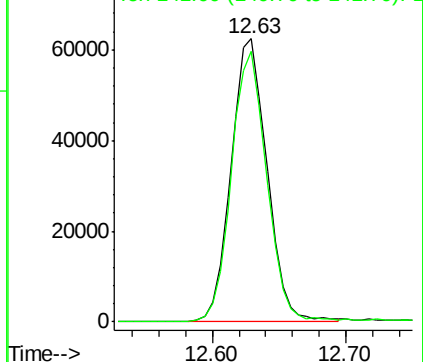


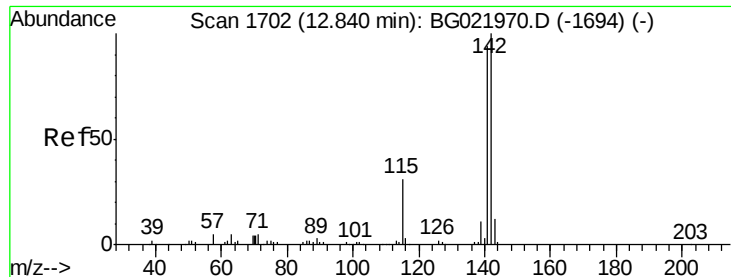
#13
2-Methylnaphthalene
Concen: 20.92 ng/ul
RT: 12.63 min Scan# 1666
Delta R.T. 0.01 min
Lab File: BG022060.D
Acq: 25 May 2016 15:51

Tgt Ion:142 Resp: 116830
Ion Ratio Lower Upper
142 100
141 95.8 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

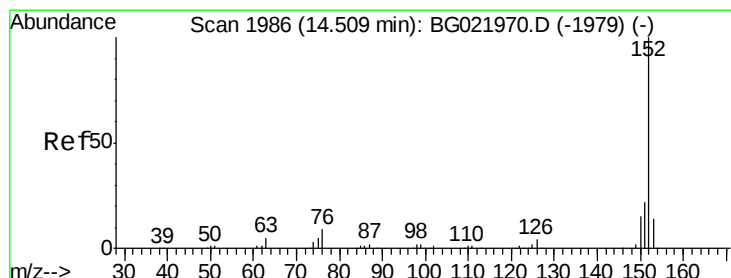
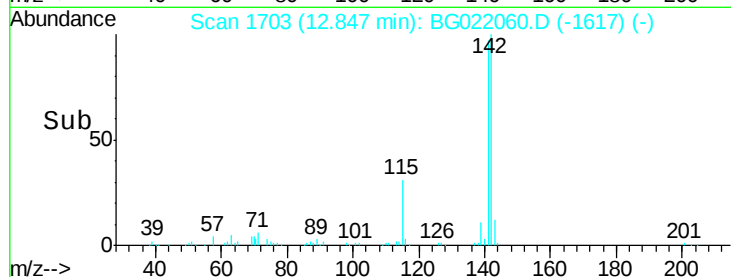
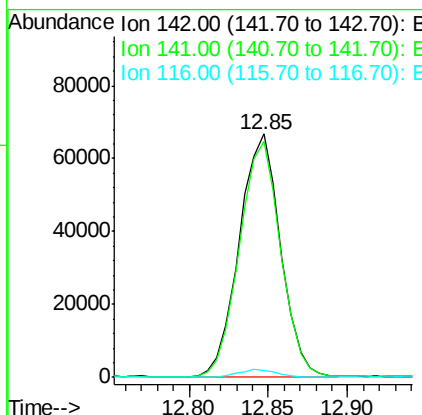
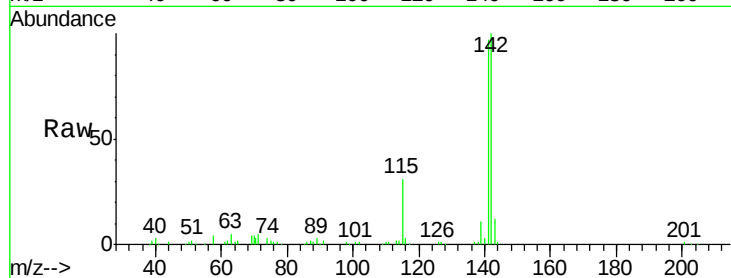




#14
 1-Methylnaphthalene
 Concen: 20.95 ng/ul
 RT: 12.85 min Scan# 1703
 Delta R.T. 0.01 min
 Lab File: BG022060.D
 Acq: 25 May 2016 15:51

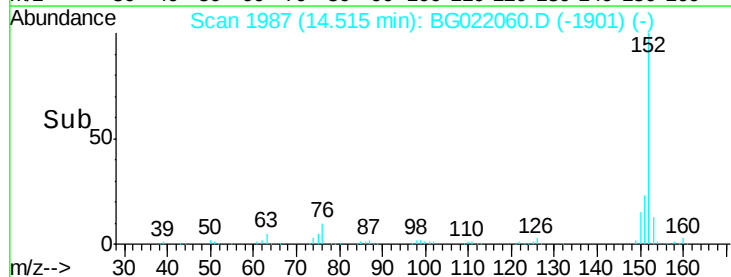
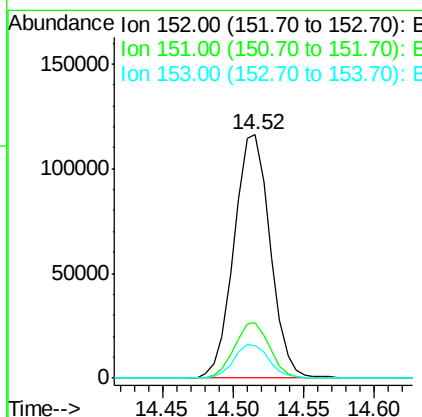
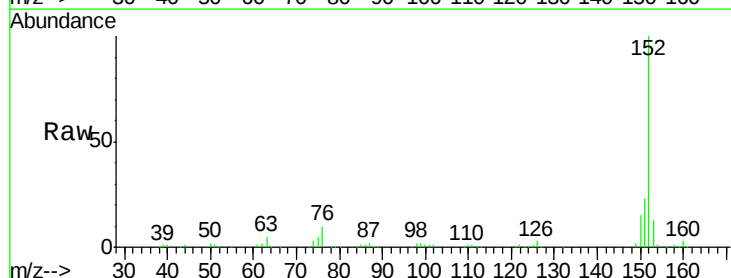
Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC0.4

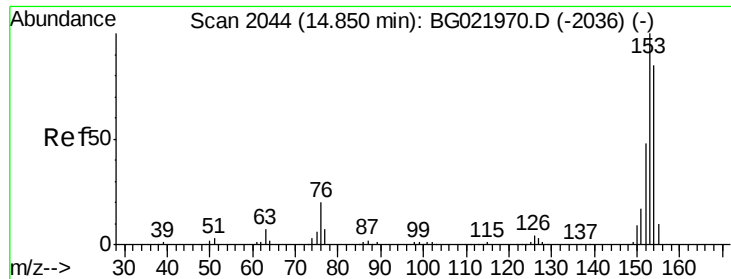
Tgt Ion:142 Resp: 119745
 Ion Ratio Lower Upper
 142 100
 141 96.9 77.0 115.4
 116 3.0 4.2 6.4#



#18
 Acenaphthylene
 Concen: 19.65 ng/ul
 RT: 14.52 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: BG022060.D
 Acq: 25 May 2016 15:51

Tgt Ion:152 Resp: 208727
 Ion Ratio Lower Upper
 152 100
 151 22.5 17.3 25.9
 153 13.1 11.1 16.7





#19

Acenaphthene

Concen: 19.87 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

Instrument :

BNA_G

ClientSampleId :

SSTDICCC0.4

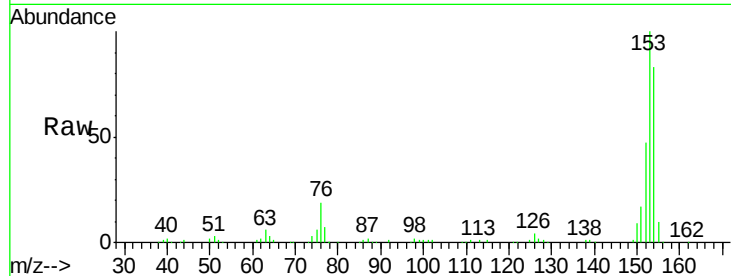
Tgt Ion:153 Resp: 144935

Ion Ratio Lower Upper

153 100

152 46.9 36.5 54.7

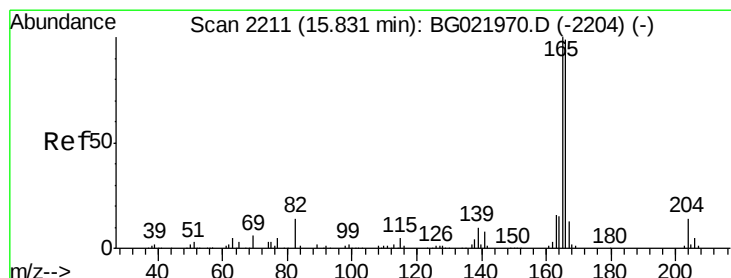
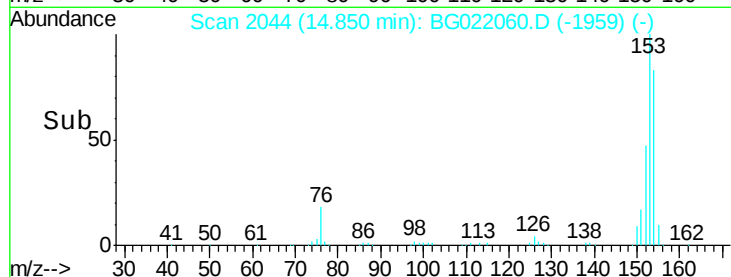
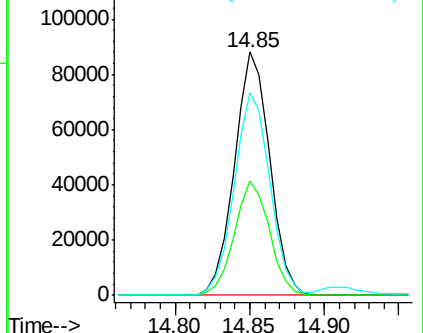
154 83.5 67.3 100.9



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: 19.82 ng/ul

RT: 15.83 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

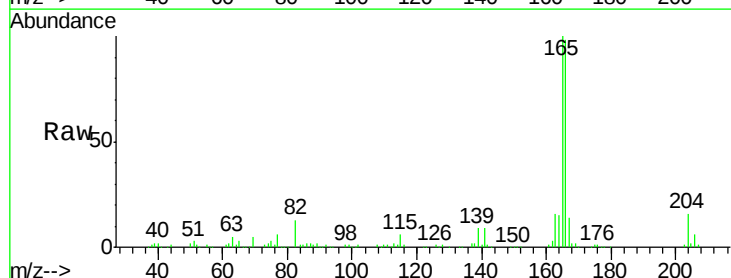
Tgt Ion:166 Resp: 160059

Ion Ratio Lower Upper

166 100

165 101.6 81.1 121.7

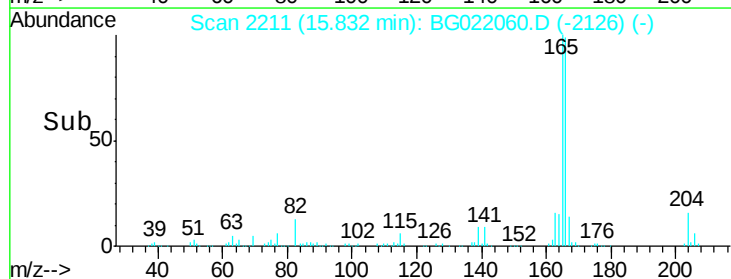
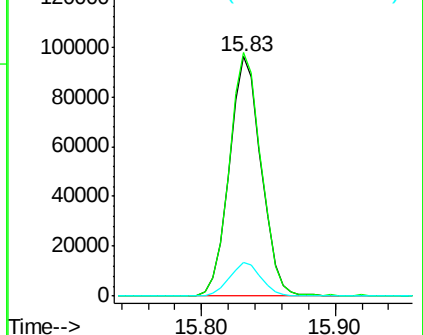
167 14.0 10.6 16.0

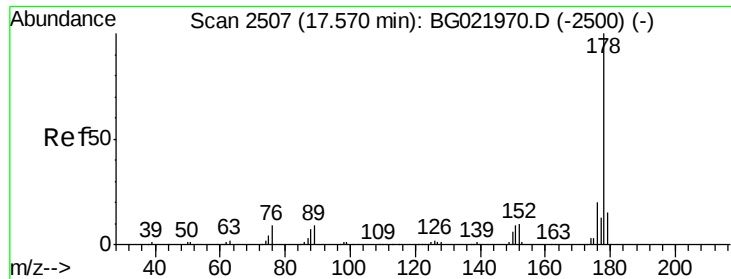


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 19.58 ng/ul

RT: 17.58 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

Instrument :

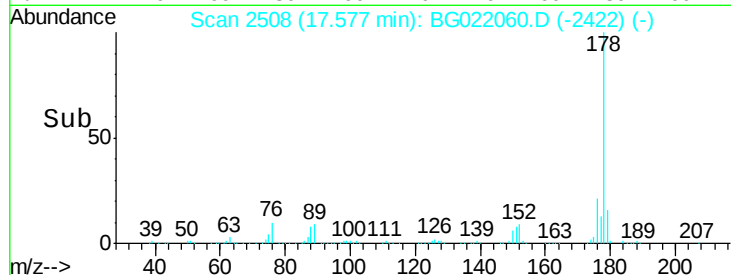
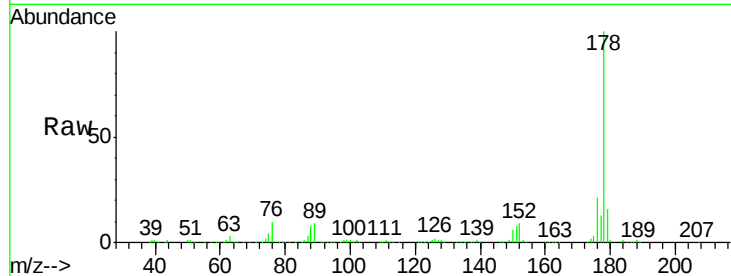
BNA_G

ClientSampleId :

SSTDICCC0.4

Tgt Ion:178 Resp: 232987

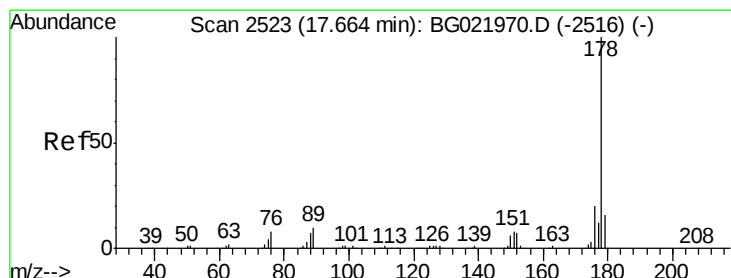
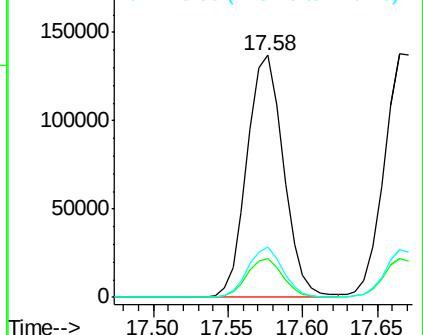
Ion	Ratio	Lower	Upper
178	100		
179	15.9	11.8	17.8
176	20.9	14.8	22.2



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: 19.97 ng/ul

RT: 17.66 min Scan# 2523

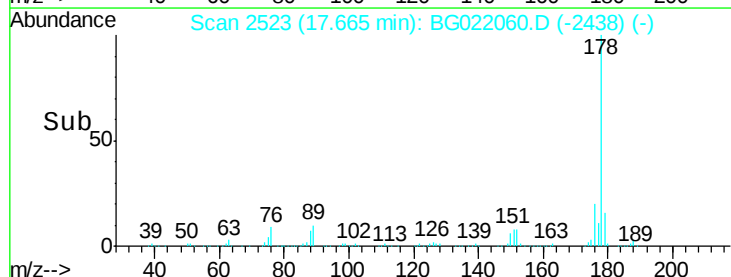
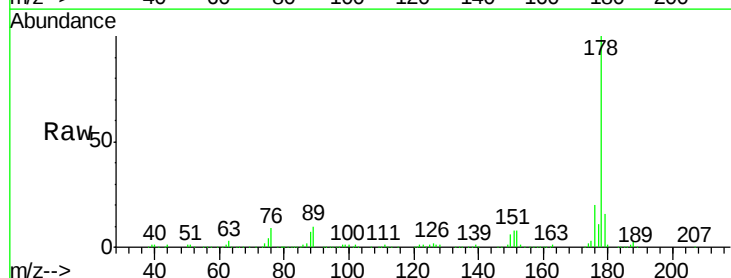
Delta R.T. 0.00 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

Tgt Ion:178 Resp: 238727

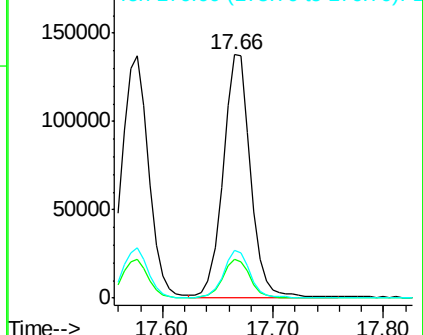
Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.9	19.3
176	19.7	15.6	23.4

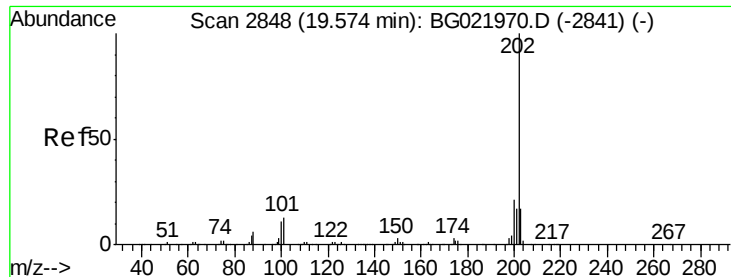


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 17.28 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. 0.00 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

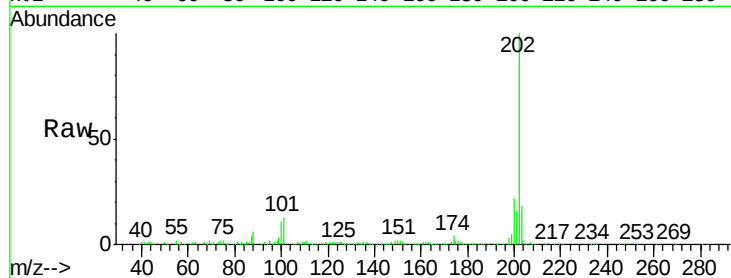
Instrument :

BNA_G

ClientSampleId :

SSTDICCC0.4

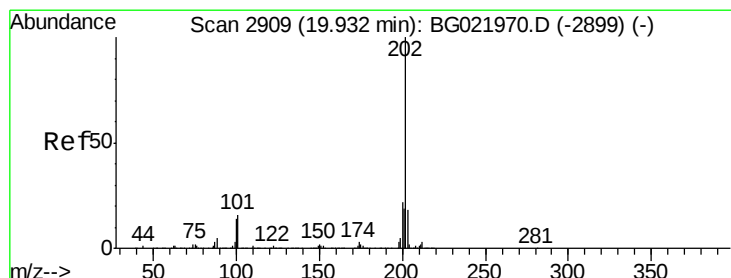
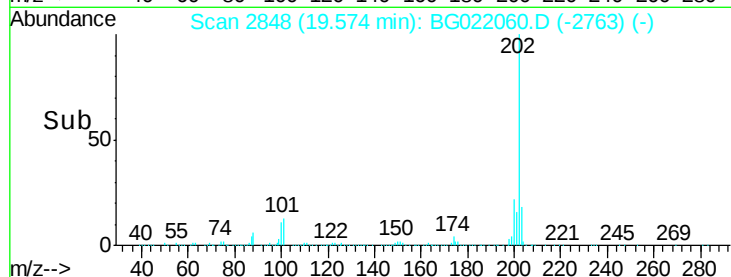
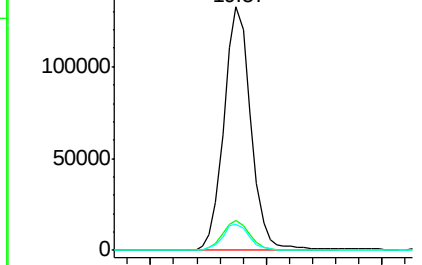
Tgt Ion:	202	Resp:	213667
Ion Ratio	Lower	Upper	
202	100		
101	12.5	8.9	13.3
100	10.8	7.0	10.4#



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: 18.64 ng/ul

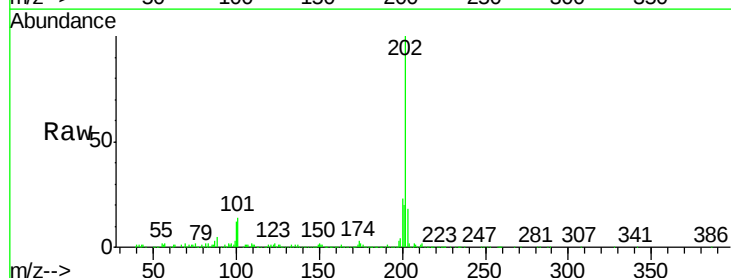
RT: 19.94 min Scan# 2910

Delta R.T. 0.01 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

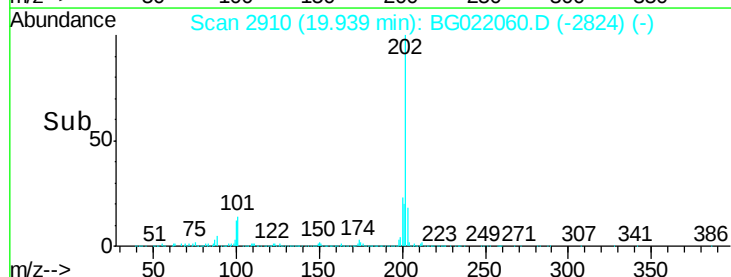
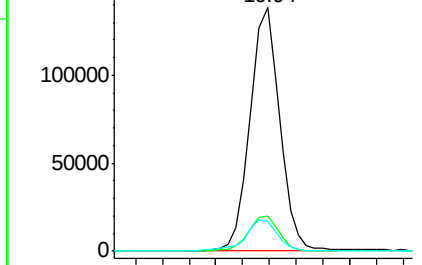
Tgt Ion:	202	Resp:	212349
Ion Ratio	Lower	Upper	
202	100		
101	14.3	9.8	14.8
100	12.2	9.3	13.9

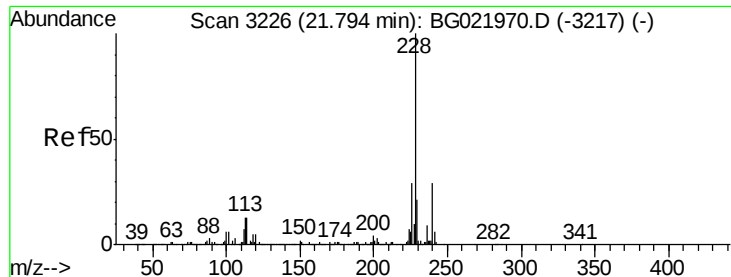


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 19.73 ng/ul

RT: 21.80 min Scan# 3226

Delta R.T. 0.00 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

Instrument :

BNA_G

ClientSampleId :

SSTDICCC0.4

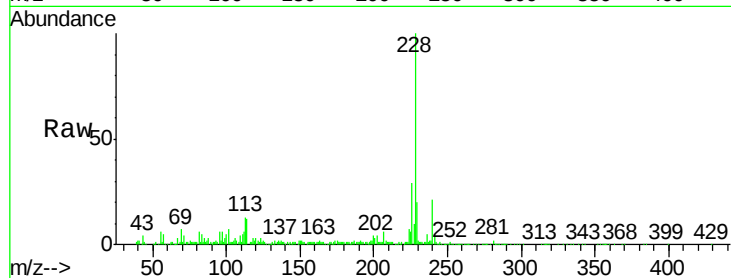
Tgt Ion:228 Resp: 181020

Ion Ratio Lower Upper

228 100

229 20.3 16.6 25.0

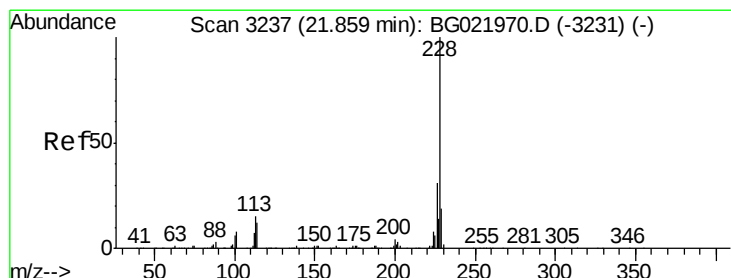
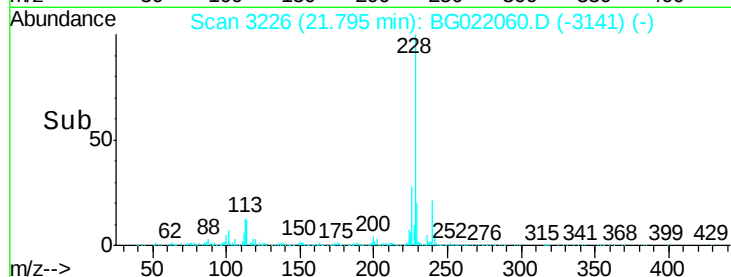
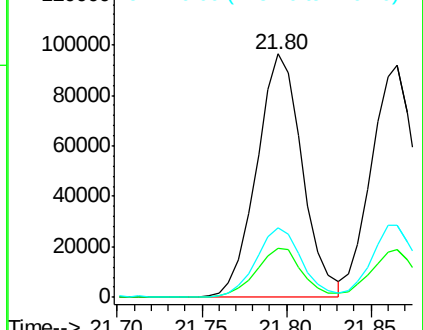
226 28.5 21.0 31.4



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: 19.02 ng/ul

RT: 21.87 min Scan# 3238

Delta R.T. 0.01 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

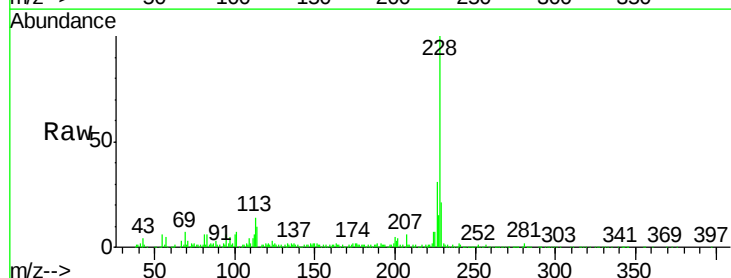
Tgt Ion:228 Resp: 169807

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

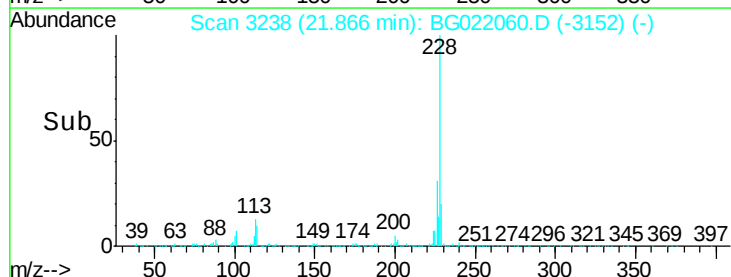
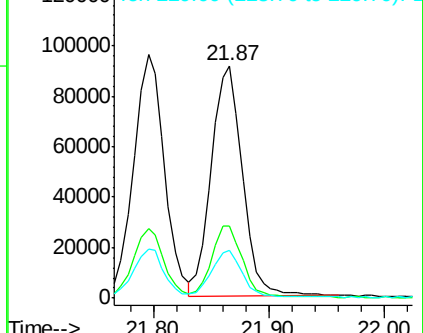
229 20.7 16.2 24.2

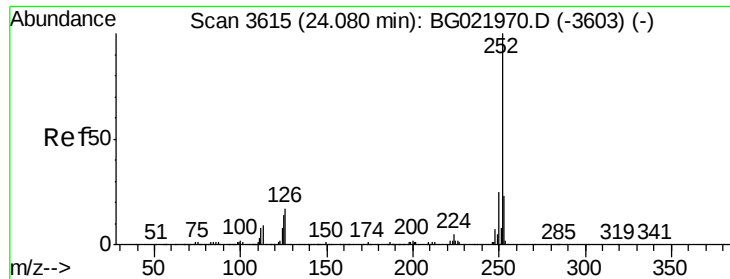


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 18.72 ng/ul

RT: 24.09 min Scan# 3616

Delta R.T. 0.01 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

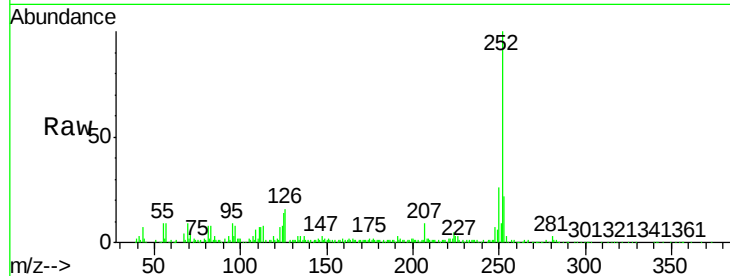
Instrument :

BNA_G

ClientSampleId :

SSTDICCC0.4

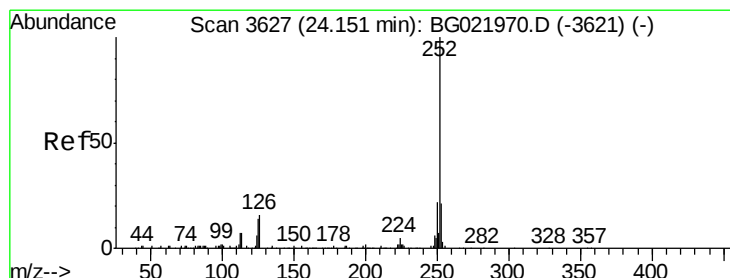
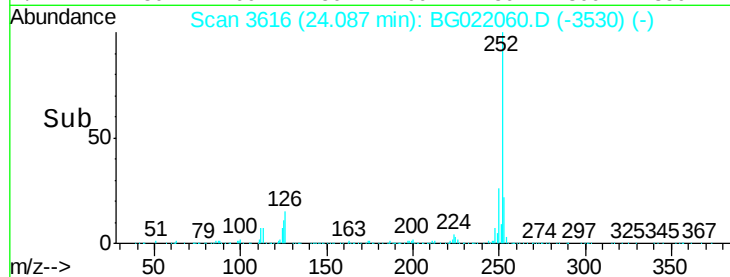
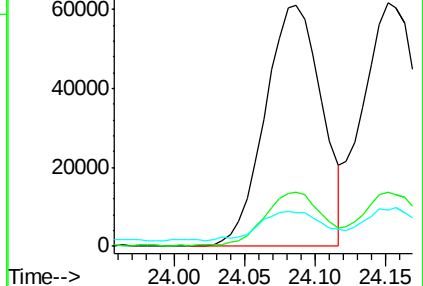
Tgt Ion:	252	Resp:	171394
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	14.0	7.6	11.4#



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: 18.62 ng/ul

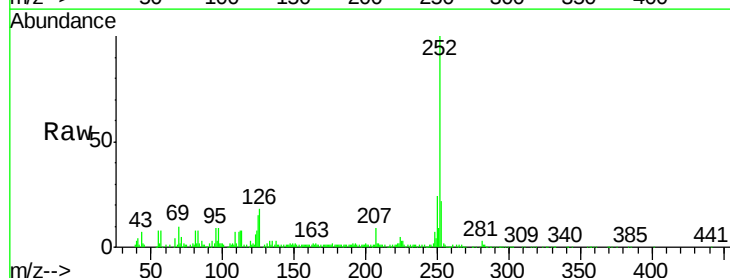
RT: 24.15 min Scan# 3627

Delta R.T. 0.00 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

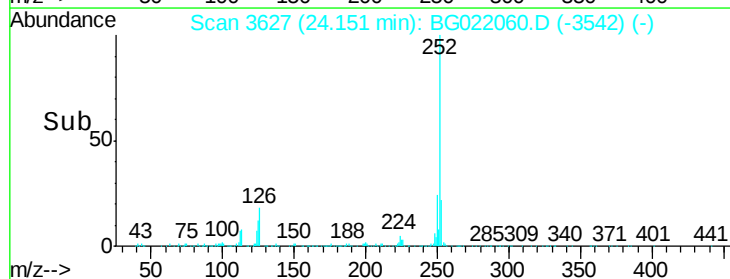
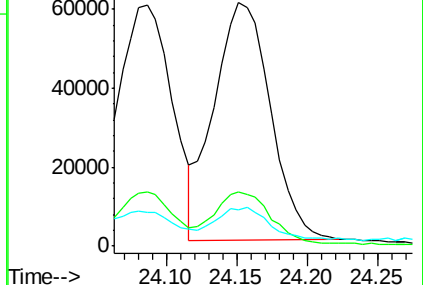
Tgt Ion:	252	Resp:	167690
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.8	26.8
125	14.9	7.7	11.5#

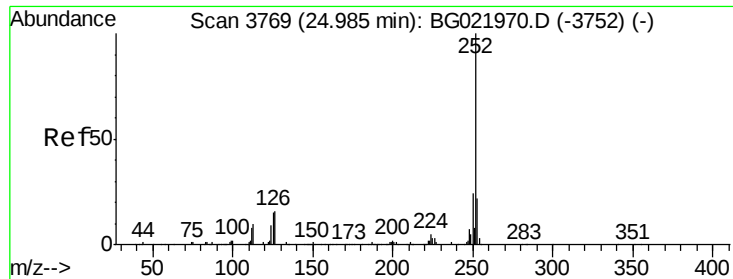


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 19.06 ng/ul

RT: 24.99 min Scan# 3770

Delta R.T. 0.01 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

Instrument :

BNA_G

ClientSampleId :

SSTDICCC0.4

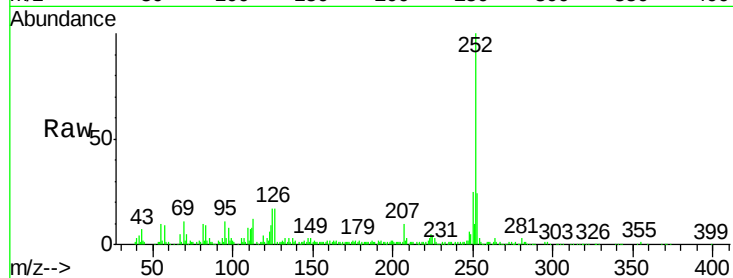
Tgt Ion:252 Resp: 166826

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.0

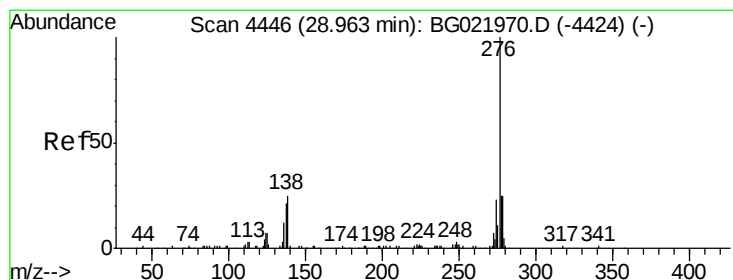
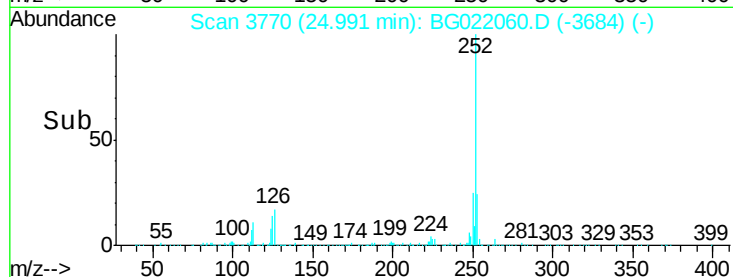
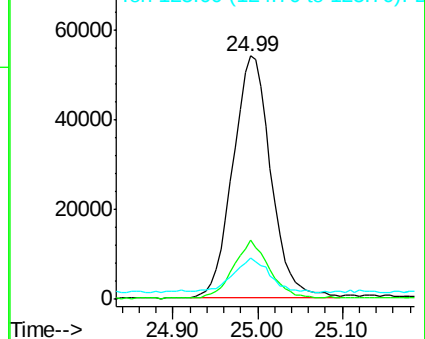
125 17.0 8.2 12.2#



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: 9.40 ng/ul

RT: 28.97 min Scan# 4448

Delta R.T. 0.01 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

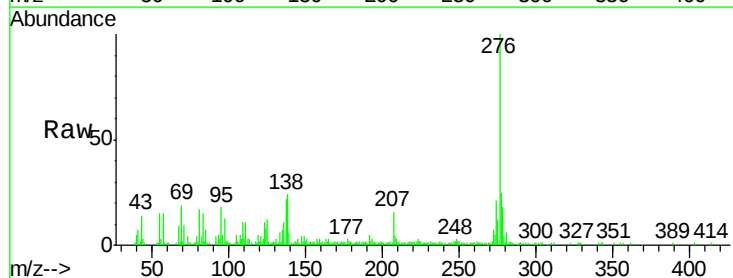
Tgt Ion:276 Resp: 93497

Ion Ratio Lower Upper

276 100

138 30.3 15.8 23.6#

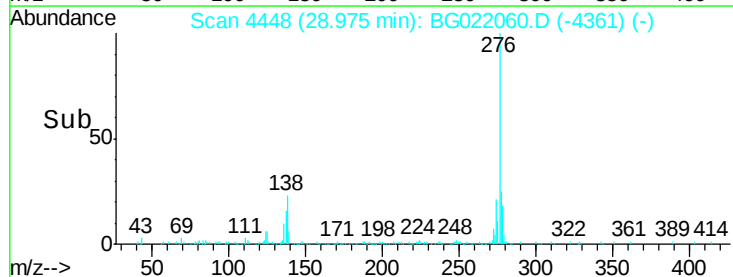
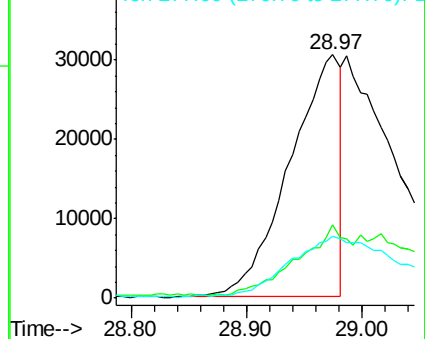
277 25.4 19.0 28.6

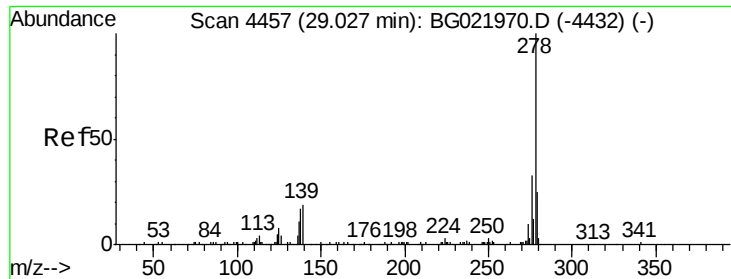


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 19.43 ng/ul

RT: 29.03 min Scan# 4458

Delta R.T. 0.01 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

Instrument :

BNA_G

ClientSampleId :

SSTDICCC0.4

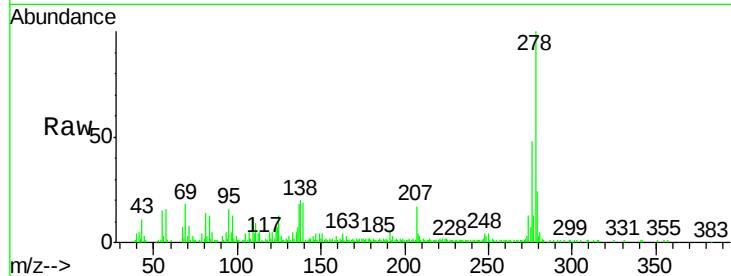
Tgt Ion:278 Resp: 160112

Ion Ratio Lower Upper

278 100

139 19.3 12.1 18.1#

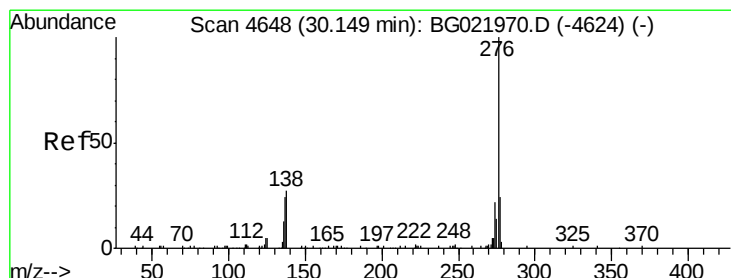
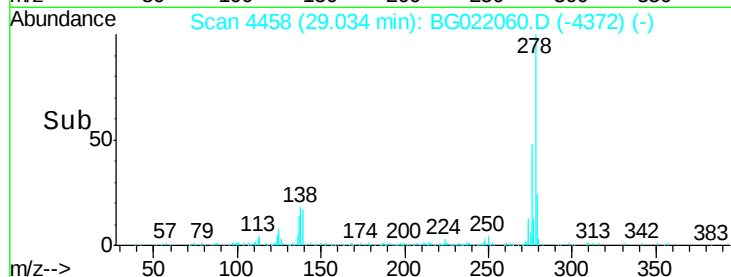
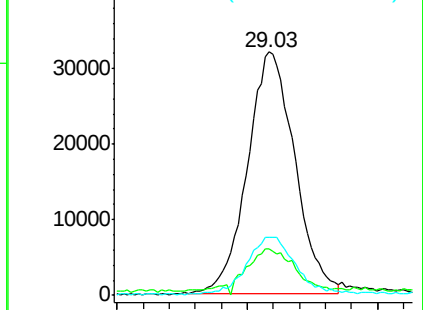
279 24.1 19.8 29.8



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: 19.42 ng/ul

RT: 30.17 min Scan# 4652

Delta R.T. 0.02 min

Lab File: BG022060.D

Acq: 25 May 2016 15:51

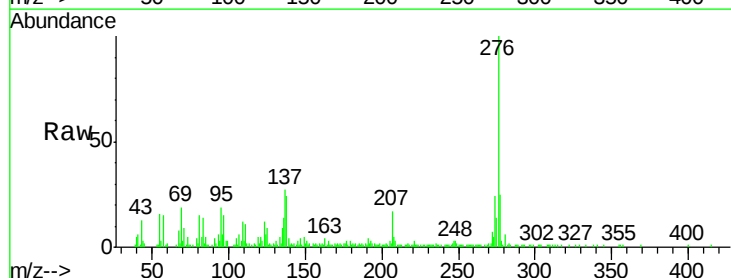
Tgt Ion:276 Resp: 163441

Ion Ratio Lower Upper

276 100

138 24.2 13.9 20.9#

277 25.3 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

