

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052516\
 Data File : BG022070.D
 Acq On : 25 May 2016 23:25
 Operator : UM/SJ
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02017

Quant Time: May 26 03:13:13 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 26 03:11:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	32301	20.00	ng/ul	0.00
7) Naphthalene-d8	10.97	136	177261	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	103092	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	213680	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	172125	20.00	ng/ul	0.00
34) Perylene-d12	25.13	264	165040	20.00	ng/ul	-0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.52	96	4265	6.06	ng/uL	0.00
3) Phenol-d5	7.31	99	58289	20.44	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.47	67	29922	19.70	ng/ul	0.00
5) 2-Chlorophenol-d4	7.68	132	48228	20.59	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	49920	19.65	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	25085	20.17	ng/ul	0.00
9) 2-Nitrophenol-d4	10.05	143	28776	21.69	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	50048	21.34	ng/ul	0.00
12) 4-Chloroaniline-d4	11.12	131	54270	29.38	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	152261	19.15	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	207916	20.31	ng/ul	0.00
20) 4-Nitrophenol-d4	14.99	143	24883	17.80	ng/ul	0.00
21) Fluorene-d10	15.77	176	140347	19.62	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.90	200	23924	22.56	ng/ul	0.00
26) Anthracene-d10	17.63	188	193120	19.62	ng/ul	0.00
30) Pyrene-d10	19.90	212	182153	20.06	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	141368	19.29	ng/ul	0.00

Target Compounds

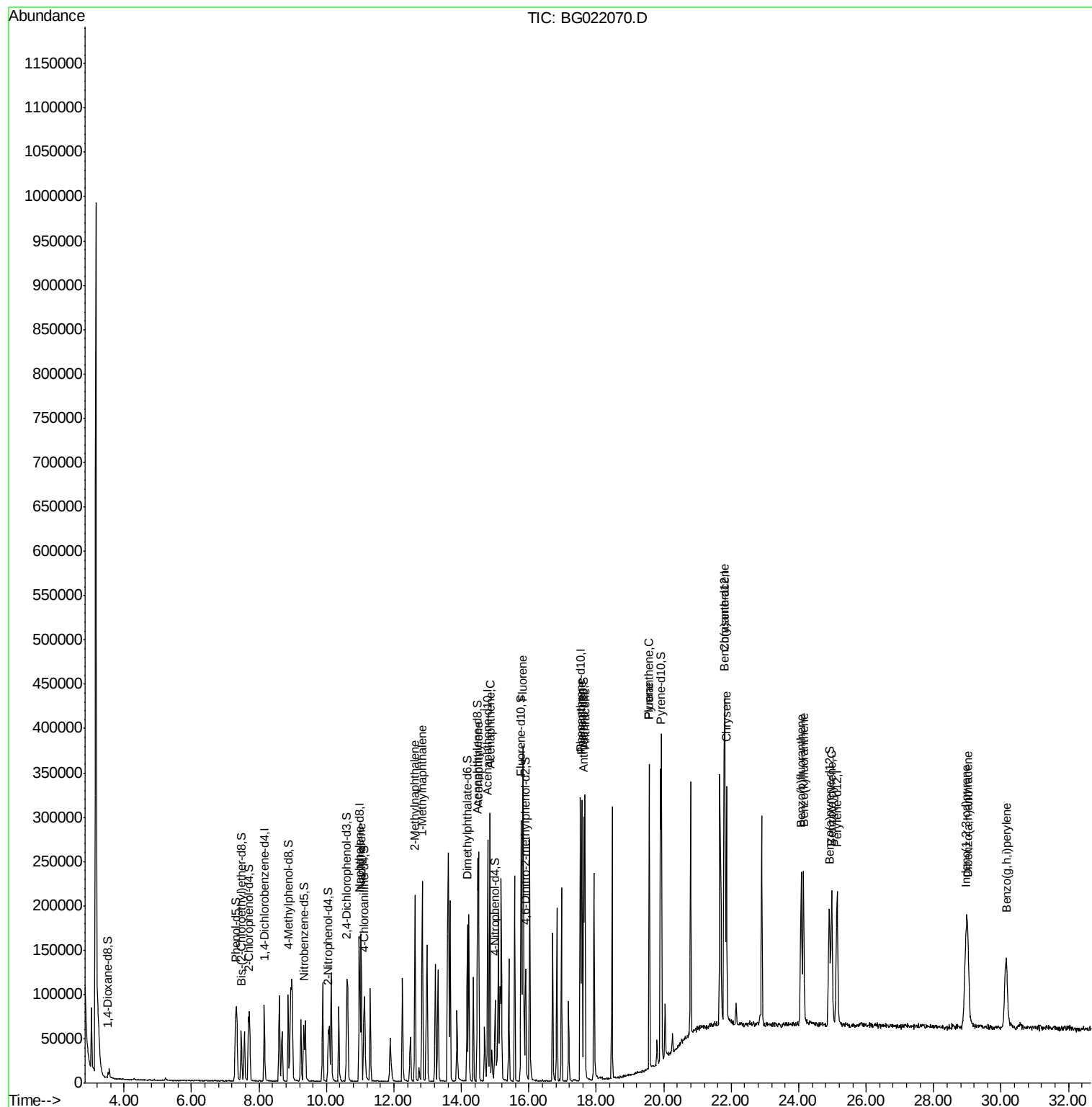
						Qvalue
11) Naphthalene	11.03	128	171400	19.88	ng/ul	97
13) 2-Methylnaphthalene	12.62	142	125174	20.03	ng/ul	100
14) 1-Methylnaphthalene	12.84	142	126033	19.71	ng/ul#	99
18) Acenaphthylene	14.51	152	207582	19.47	ng/ul	98
19) Acenaphthene	14.85	153	143021	19.54	ng/ul	97
22) Fluorene	15.83	166	154239	19.03	ng/ul	97
25) Phenanthrene	17.57	178	224613	19.67	ng/ul	97
27) Anthracene	17.66	178	228967	19.95	ng/ul	100
28) Fluoranthene	19.57	202	226562	19.09	ng/ul#	94
31) Pyrene	19.57	202	226562	19.11	ng/ul	99
32) Benzo(a)anthracene	21.79	228	186915	19.58	ng/ul	96
33) Chrysene	21.86	228	175614	18.91	ng/ul	97
35) Benzo(b)fluoranthene	24.07	252	176249	18.58	ng/ul#	97
36) Benzo(k)fluoranthene	24.14	252	175552	18.81	ng/ul#	97
38) Benzo(a)pyrene	24.98	252	170968	18.84	ng/ul#	96
39) Indeno(1,2,3-cd)pyrene	28.96	276	201848	19.57	ng/ul#	92
40) Dibenzo(a,h)anthracene	29.01	278	170074	19.91	ng/ul	97
41) Benzo(g,h,i)perylene	30.16	276	163922	18.79	ng/ul#	92

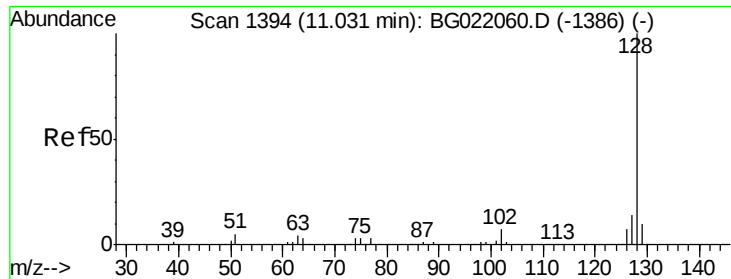
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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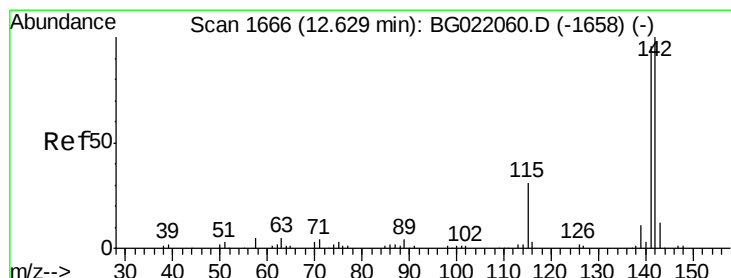
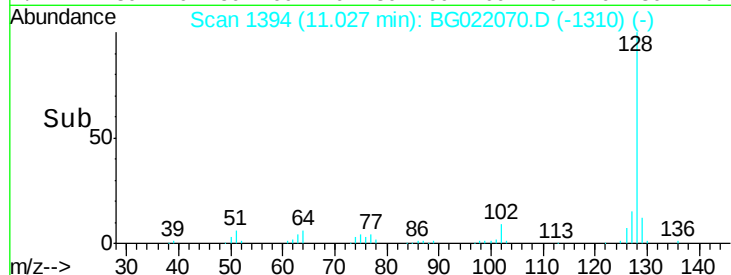
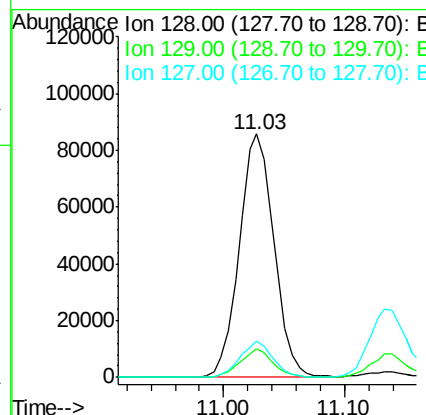
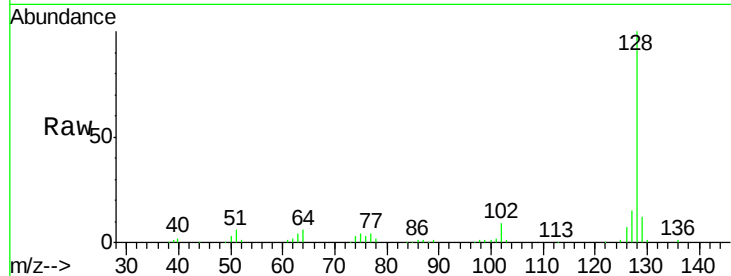




#11
Naphthalene
Concen: 19.88 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG022070.D
Acq: 25 May 2016 23:25

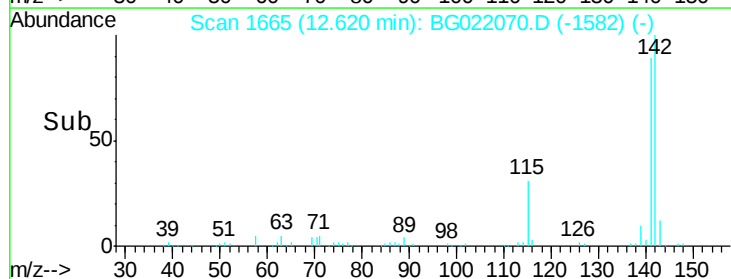
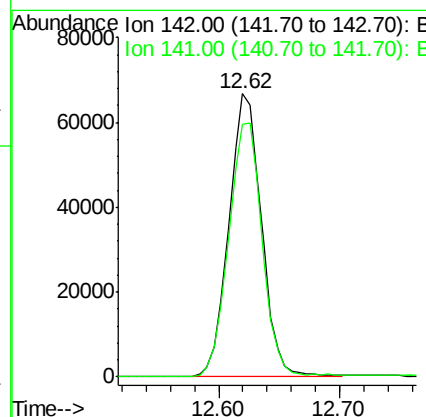
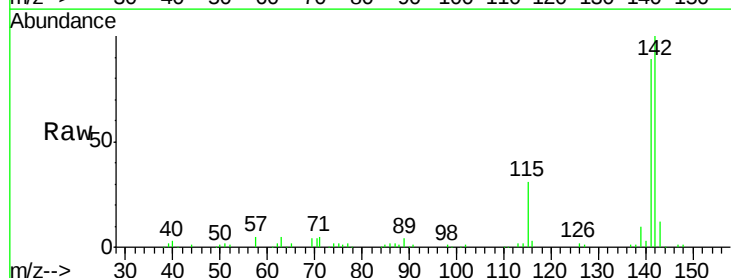
Instrument :
BNA_G
ClientSampleId :
SSTD02017

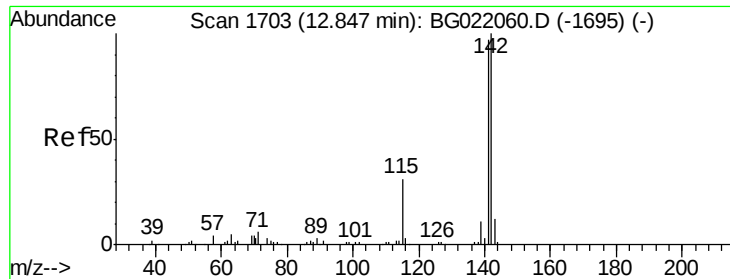
Tgt Ion:128 Resp: 171400
Ion Ratio Lower Upper
128 100
129 11.5 8.3 12.5
127 14.8 10.8 16.2



#13
2-Methylnaphthalene
Concen: 20.03 ng/ul
RT: 12.62 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BG022070.D
Acq: 25 May 2016 23:25

Tgt Ion:142 Resp: 125174
Ion Ratio Lower Upper
142 100
141 89.1 71.3 106.9

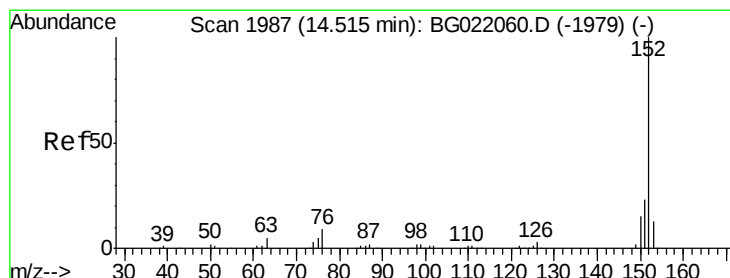
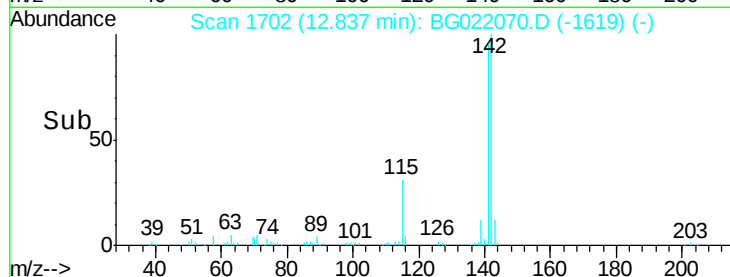
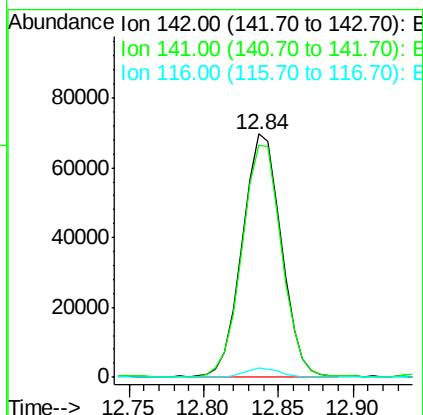
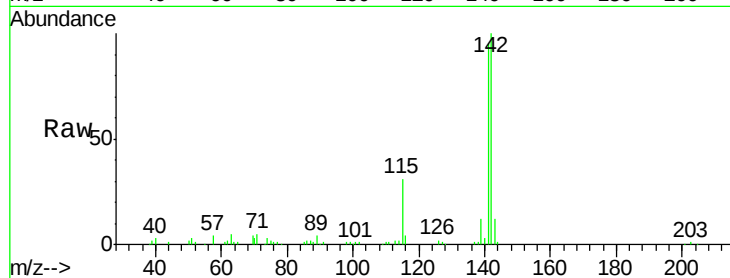




#14
1-Methylnaphthalene
Concen: 19.71 ng/ul
RT: 12.84 min Scan# 1702
Delta R.T. -0.01 min
Lab File: BG022070.D
Acq: 25 May 2016 23:25

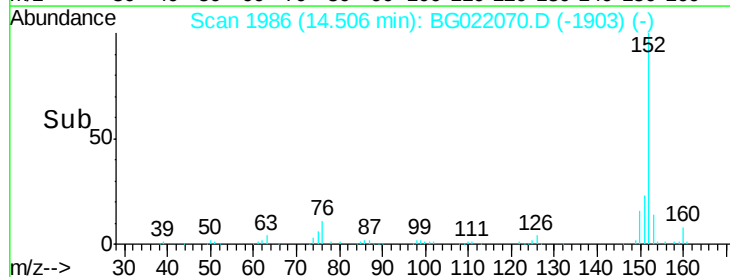
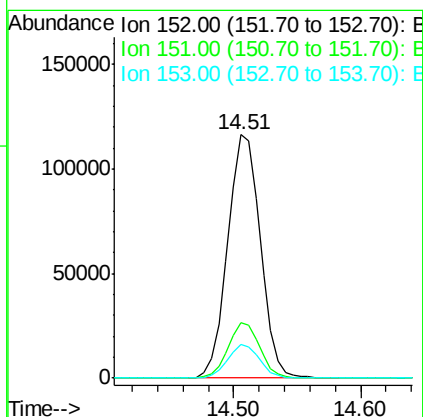
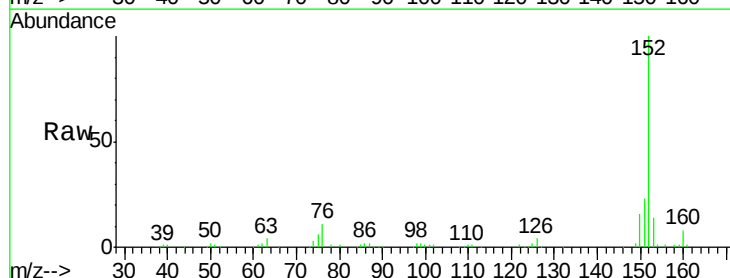
Instrument :
BNA_G
ClientSampleId :
SSTD02017

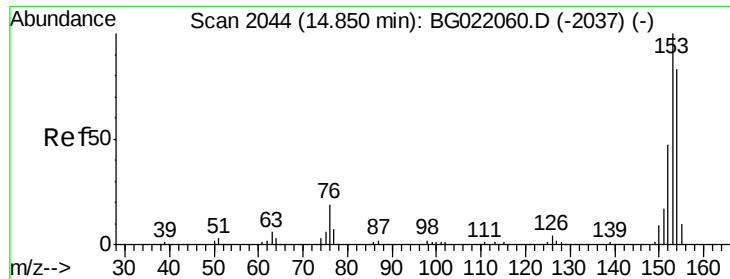
Tgt Ion:142 Resp: 126033
Ion Ratio Lower Upper
142 100
141 95.1 77.0 115.4
116 3.6 4.2 6.4#



#18
Acenaphthylene
Concen: 19.47 ng/ul
RT: 14.51 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BG022070.D
Acq: 25 May 2016 23:25

Tgt Ion:152 Resp: 207582
Ion Ratio Lower Upper
152 100
151 22.6 17.3 25.9
153 13.7 11.1 16.7





#19

Acenaphthene

Concen: 19.54 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BG022070.D

Acq: 25 May 2016 23:25

Instrument :

BNA_G

ClientSampleId :

SSTD02017

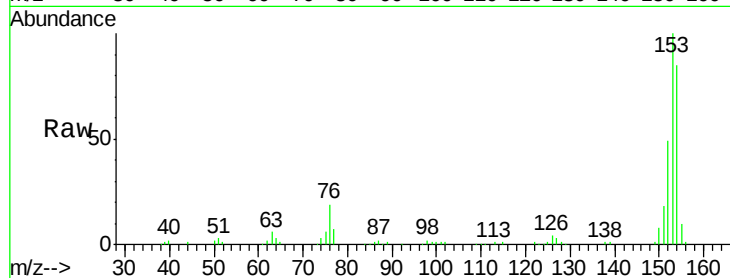
Tgt Ion:153 Resp: 143021

Ion Ratio Lower Upper

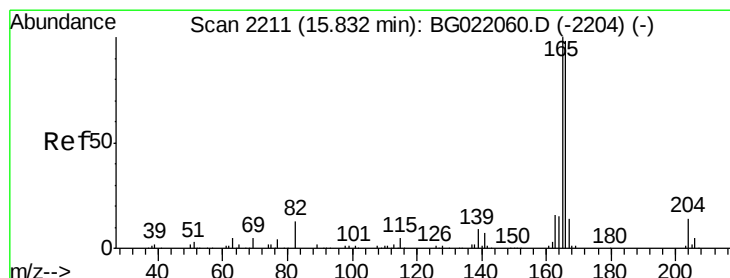
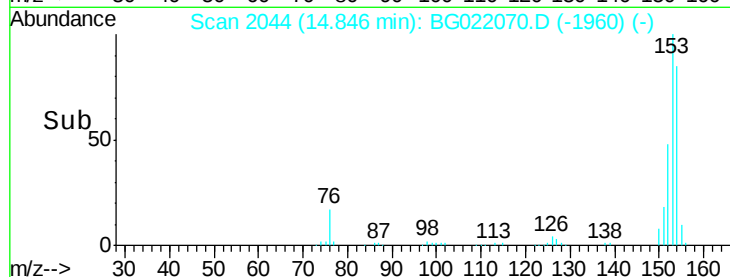
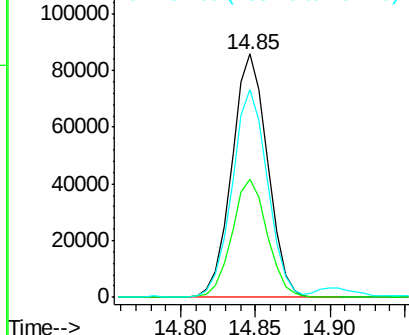
153 100

152 48.7 36.5 54.7

154 85.3 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: 19.03 ng/ul

RT: 15.83 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BG022070.D

Acq: 25 May 2016 23:25

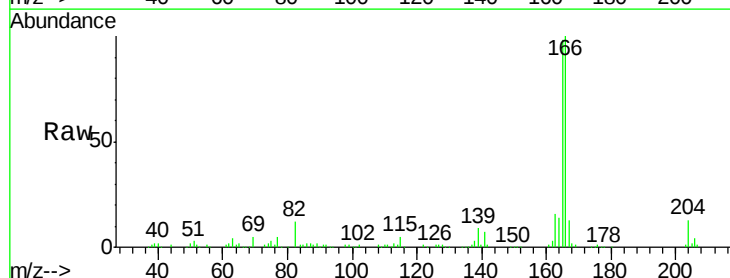
Tgt Ion:166 Resp: 154239

Ion Ratio Lower Upper

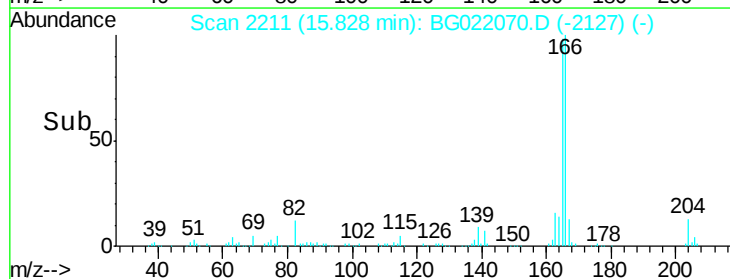
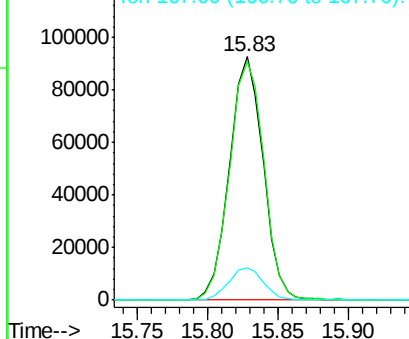
166 100

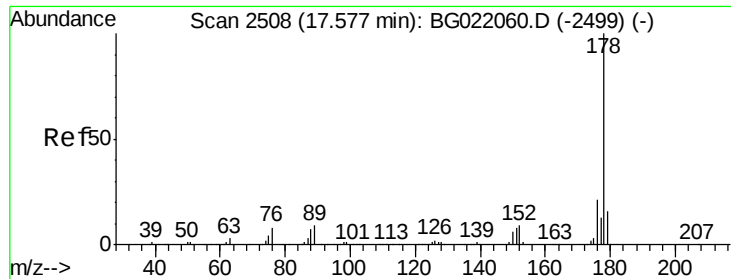
165 97.9 81.1 121.7

167 13.4 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

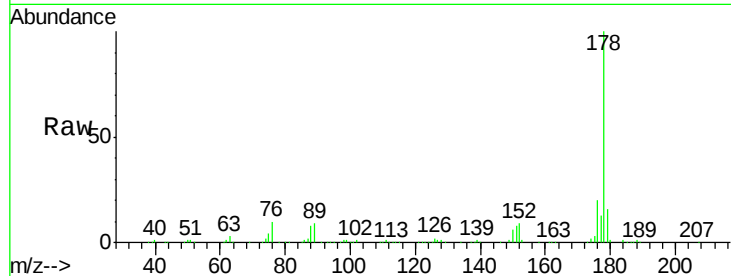




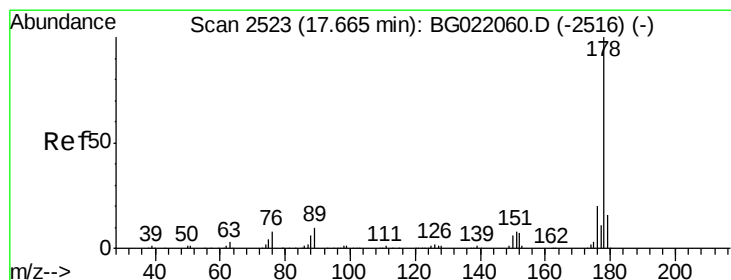
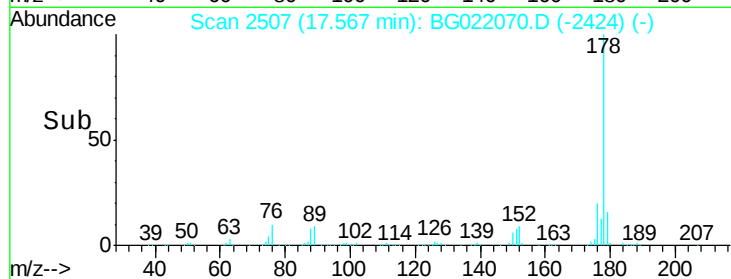
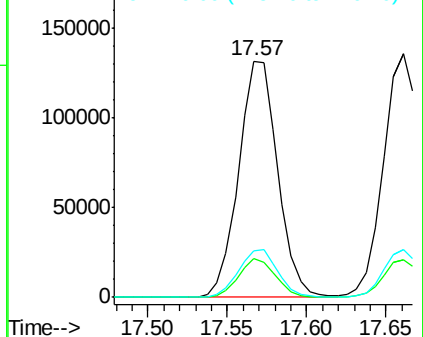
#25
Phenanthrene
Concen: 19.67 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. -0.01 min
Lab File: BG022070.D
Acq: 25 May 2016 23:25

Instrument :
BNA_G
ClientSampleId :
SSTD02017

Tgt Ion:178 Resp: 224613
Ion Ratio Lower Upper
178 100
179 16.2 11.8 17.8
176 19.9 14.8 22.2

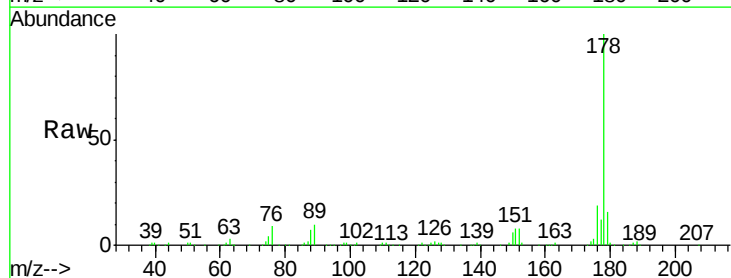


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

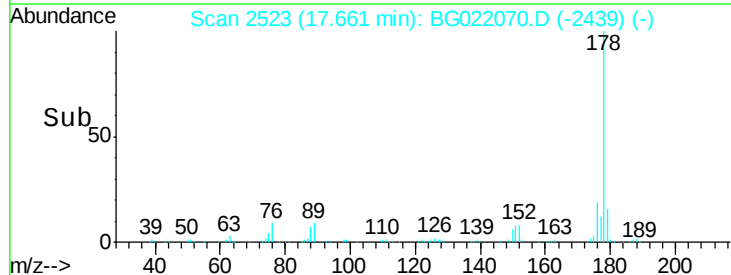
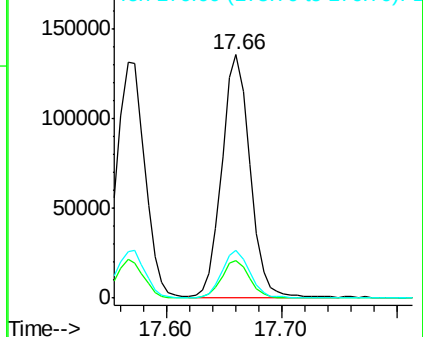


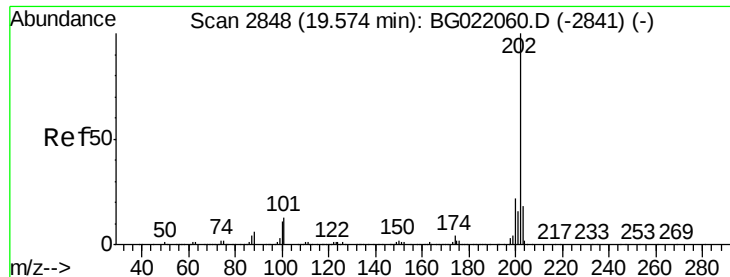
#27
Anthracene
Concen: 19.95 ng/ul
RT: 17.66 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BG022070.D
Acq: 25 May 2016 23:25

Tgt Ion:178 Resp: 228967
Ion Ratio Lower Upper
178 100
179 15.7 12.9 19.3
176 19.5 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: 19.09 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG022070.D

Acq: 25 May 2016 23:25

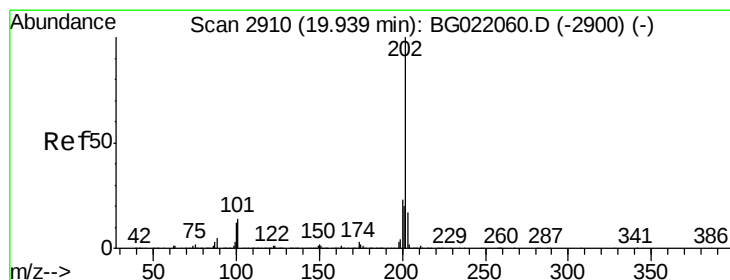
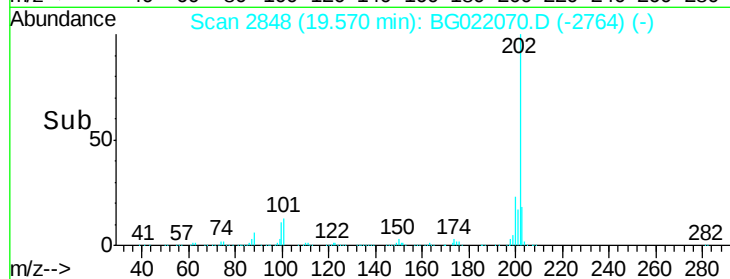
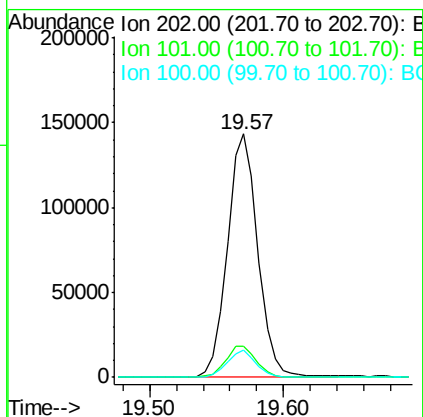
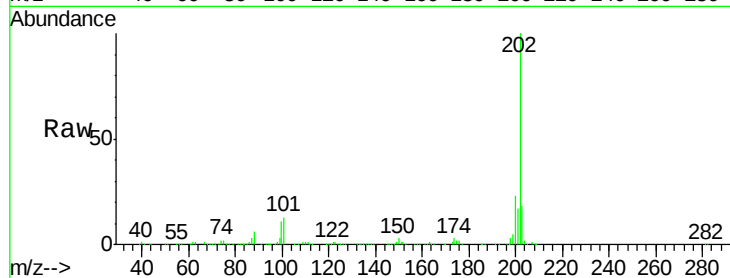
Instrument :

BNA_G

ClientSampleId :

SSTD02017

Tgt Ion:	202	Resp:	226562
Ion Ratio	Lower	Upper	
202	100		
101	12.8	8.9	13.3
100	11.3	7.0	10.4#



#31

Pyrene

Concen: 19.11 ng/ul

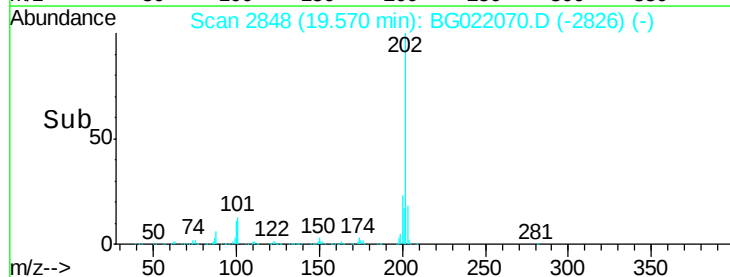
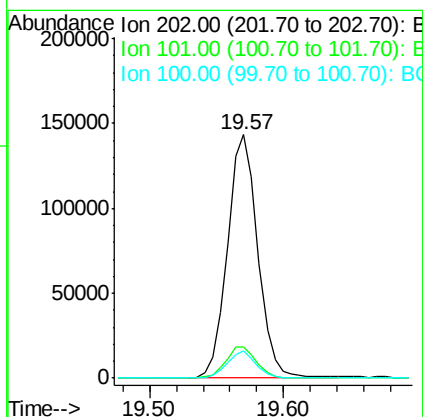
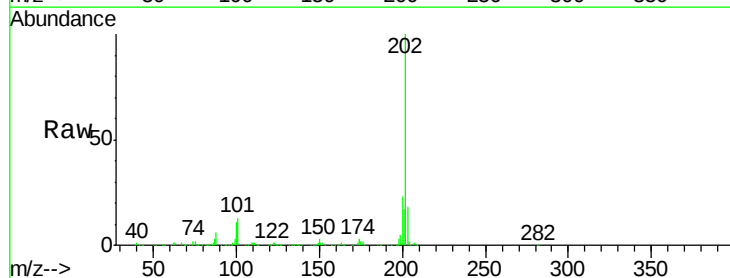
RT: 19.57 min Scan# 2848

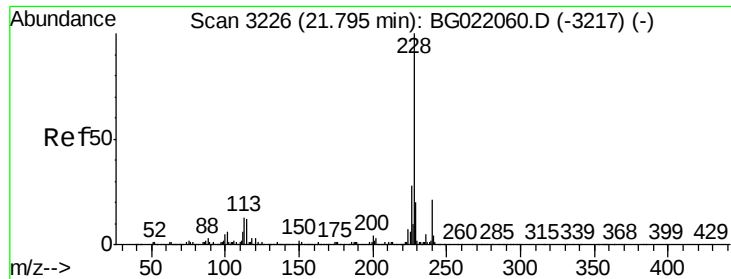
Delta R.T. -0.37 min

Lab File: BG022070.D

Acq: 25 May 2016 23:25

Tgt Ion:	202	Resp:	226562
Ion Ratio	Lower	Upper	
202	100		
101	12.8	9.8	14.8
100	11.3	9.3	13.9





#32

Benzo(a)anthracene

Concen: 19.58 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.01 min

Lab File: BG022070.D

Acq: 25 May 2016 23:25

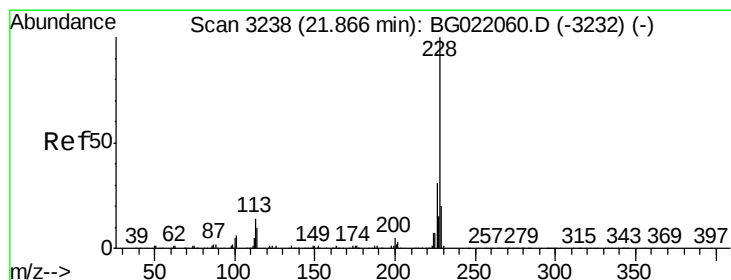
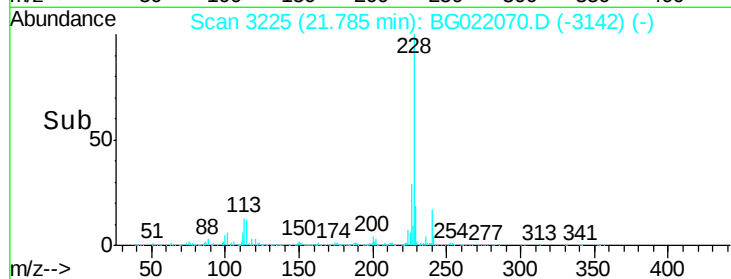
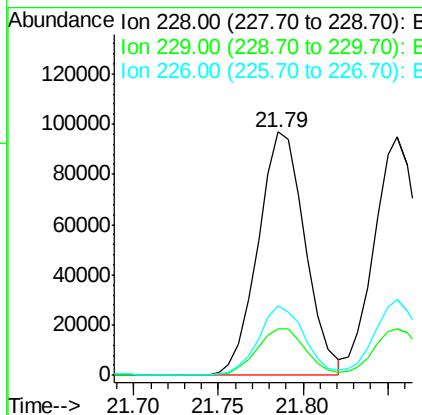
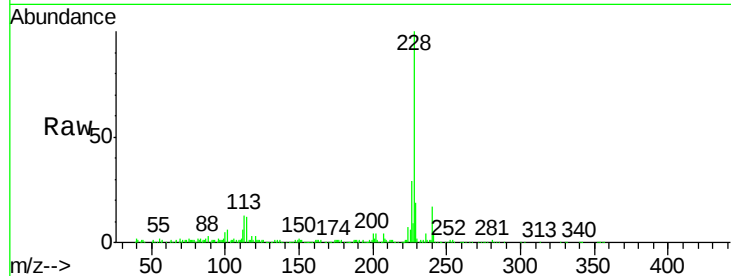
Instrument :

BNA_G

ClientSampleId :

SSTD02017

Tgt Ion:	228	Resp:	186915
Ion	Ratio	Lower	Upper
228	100		
229	19.3	16.6	25.0
226	28.7	21.0	31.4



#33

Chrysene

Concen: 18.91 ng/ul

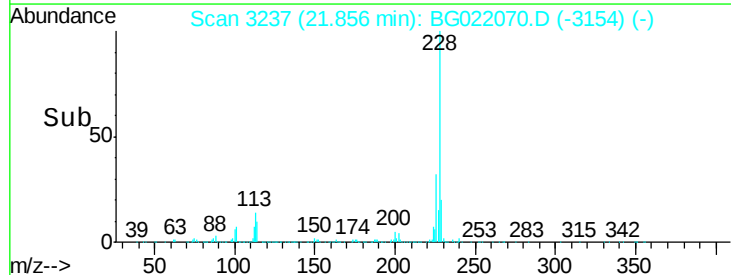
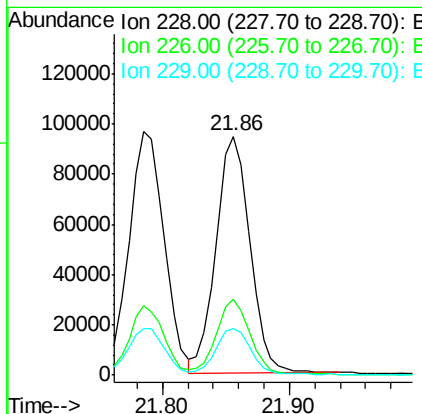
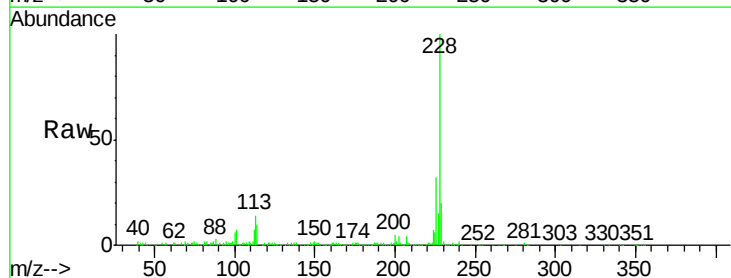
RT: 21.86 min Scan# 3237

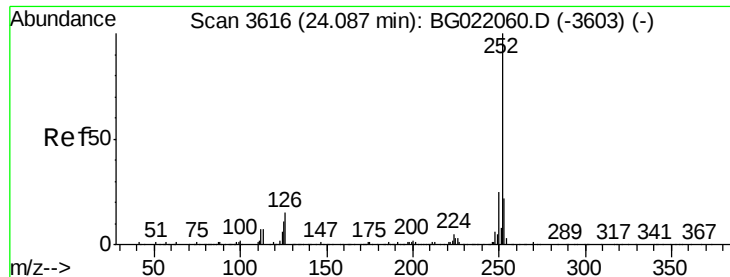
Delta R.T. -0.01 min

Lab File: BG022070.D

Acq: 25 May 2016 23:25

Tgt Ion:	228	Resp:	175614
Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.4	35.2
229	19.7	16.2	24.2





#35

Benzo(b)fluoranthene

Concen: 18.58 ng/ul

RT: 24.07 min Scan# 3614

Delta R.T. -0.02 min

Lab File: BG022070.D

Acq: 25 May 2016 23:25

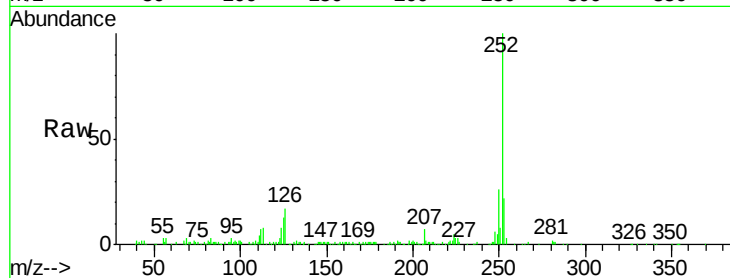
Instrument :

BNA_G

ClientSampleId :

SSTD02017

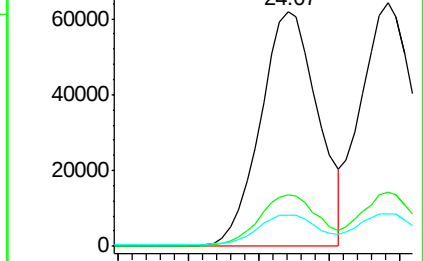
Tgt Ion:	252	Resp:	176249
Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	13.0	7.6	11.4#



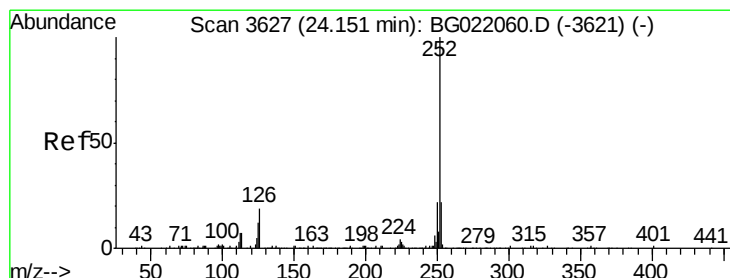
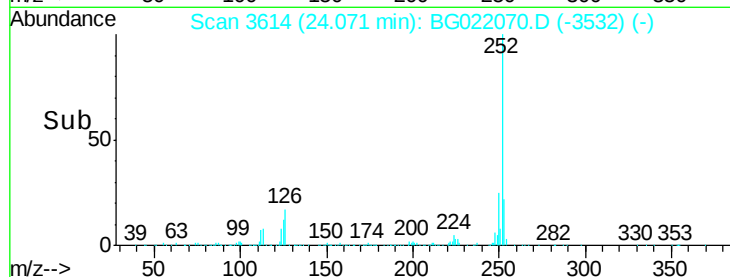
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.95 24.00 24.05 24.10



#36

Benzo(k)fluoranthene

Concen: 18.81 ng/ul

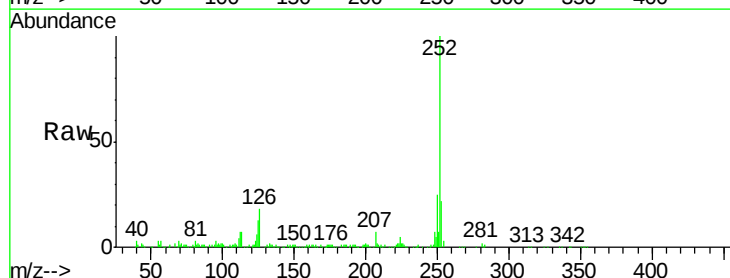
RT: 24.14 min Scan# 3626

Delta R.T. -0.01 min

Lab File: BG022070.D

Acq: 25 May 2016 23:25

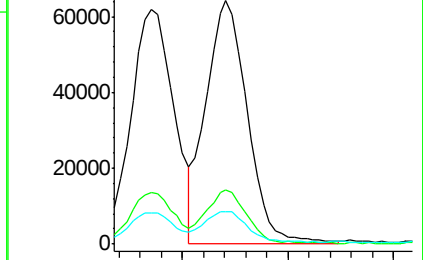
Tgt Ion:	252	Resp:	175552
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	13.3	7.7	11.5#



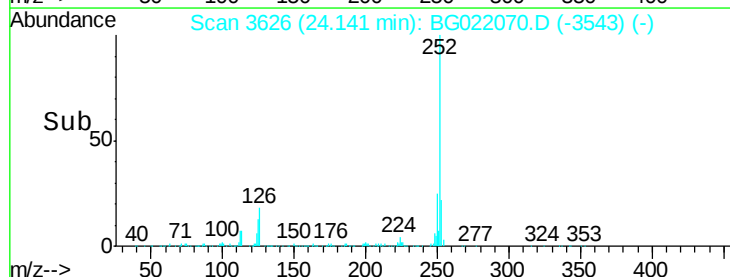
Abundance Ion 252.00 (251.70 to 252.70): E

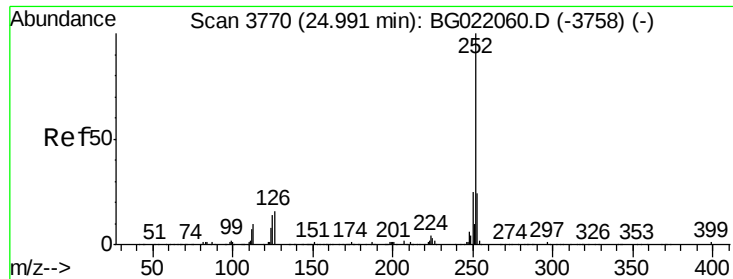
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 24.10 24.20





#38

Benzo(a)pyrene

Concen: 18.84 ng/ul

RT: 24.98 min Scan# 3769

Delta R.T. -0.01 min

Lab File: BG022070.D

Acq: 25 May 2016 23:25

Instrument :

BNA_G

ClientSampleId :

SSTD02017

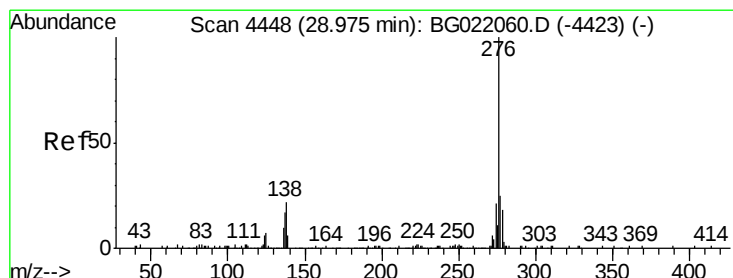
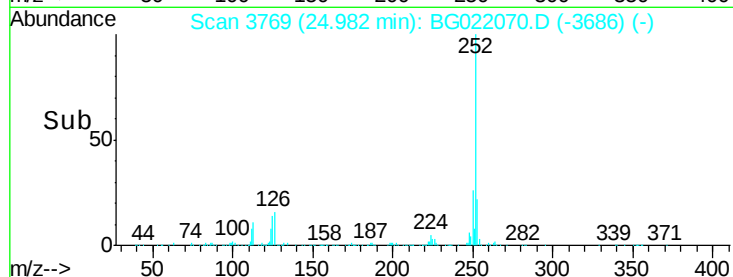
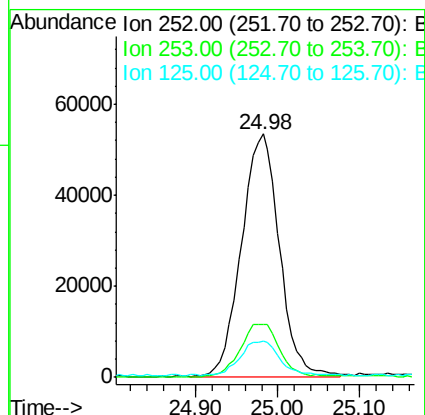
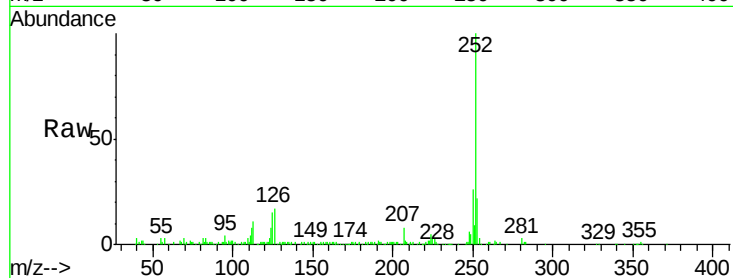
Tgt Ion:252 Resp: 170968

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

125 15.2 8.2 12.2#



#39

Indeno(1,2,3-cd)pyrene

Concen: 19.57 ng/ul

RT: 28.96 min Scan# 4446

Delta R.T. -0.02 min

Lab File: BG022070.D

Acq: 25 May 2016 23:25

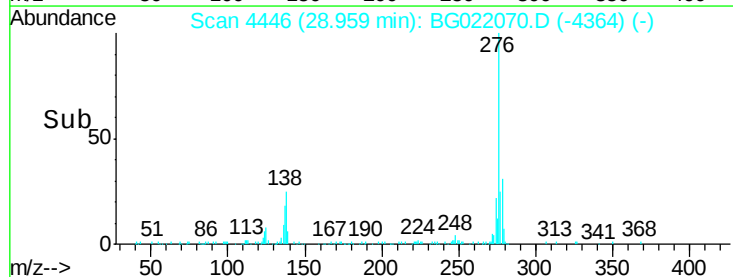
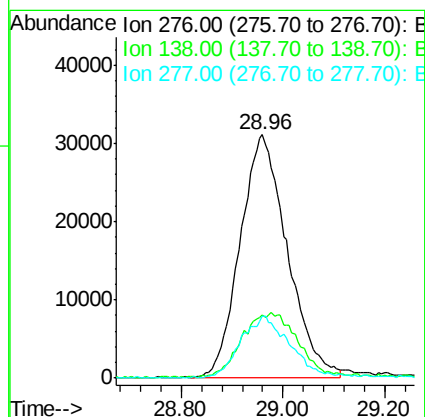
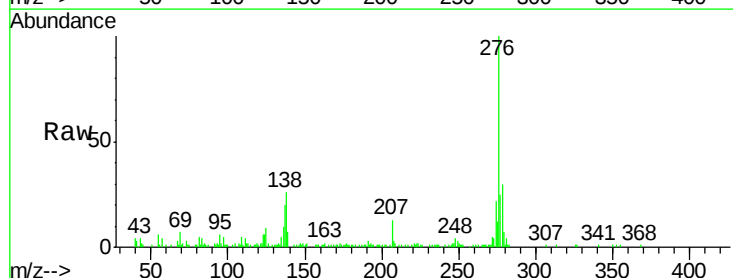
Tgt Ion:276 Resp: 201848

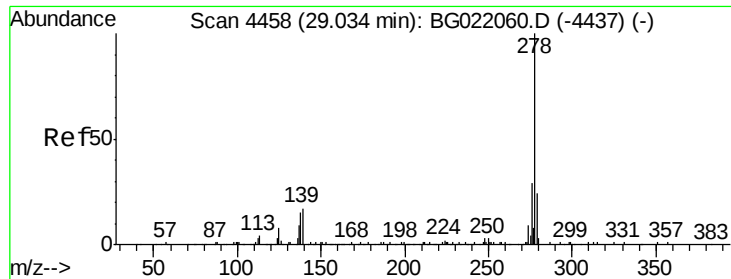
Ion Ratio Lower Upper

276 100

138 25.7 15.8 23.6#

277 25.3 19.0 28.6





#40

Dibenzo(a,h)anthracene

Concen: 19.91 ng/ul

RT: 29.01 min Scan# 4455

Delta R.T. -0.02 min

Lab File: BG022070.D

Acq: 25 May 2016 23:25

Instrument :

BNA_G

ClientSampleId :

SSTD02017

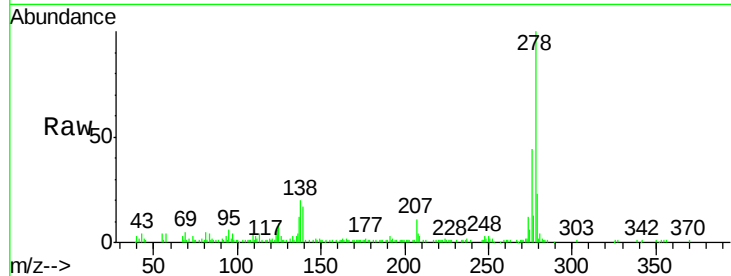
Tgt Ion:278 Resp: 170074

Ion Ratio Lower Upper

278 100

139 17.0 12.1 18.1

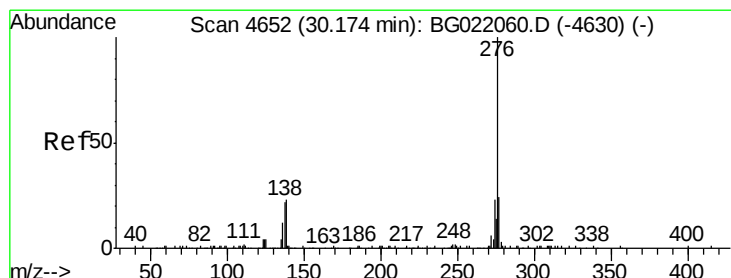
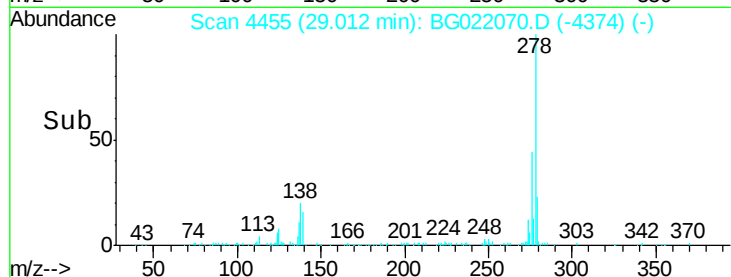
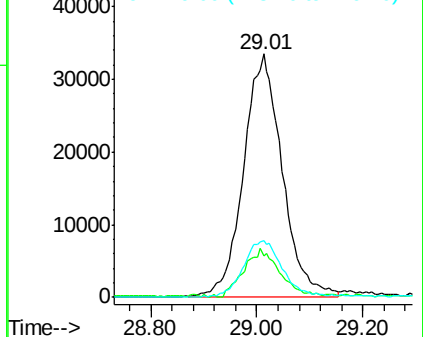
279 23.5 19.8 29.8



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: 18.79 ng/ul

RT: 30.16 min Scan# 4650

Delta R.T. -0.02 min

Lab File: BG022070.D

Acq: 25 May 2016 23:25

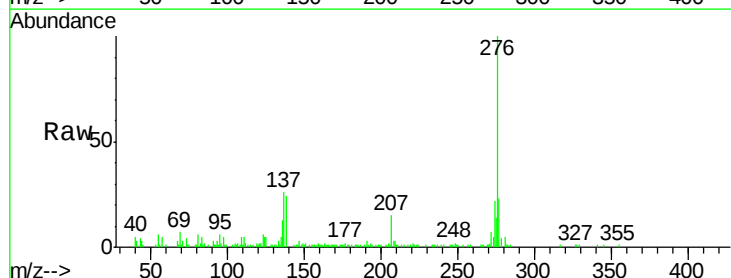
Tgt Ion:276 Resp: 163922

Ion Ratio Lower Upper

276 100

138 24.1 13.9 20.9#

277 23.0 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

