

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052516\
 Data File : BG022066.D
 Acq On : 25 May 2016 20:02
 Operator : UM/SJ
 Sample : H3203-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XJ0

Quant Time: May 26 03:12:31 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	8.16	152	35577	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	192650	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	112740	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	217059	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	179804	20.00	ng/ul	0.00
34) Perylene-d12	25.15	264	172870	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.52	96	895	1.15	ng/uL	0.00
3) Phenol-d5	7.31	99	47875	15.24	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	25228	15.08	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	42558	16.50	ng/ul	0.00
6) 4-Methylphenol-d8	8.86	113	47369	16.93	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	23331	17.26	ng/ul	0.00
9) 2-Nitrophenol-d4	10.05	143	24882	17.25	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	43588	17.10	ng/ul	0.00
12) 4-Chloroaniline-d4	11.22	131	863	0.43	ng/ul	0.10
16) Dimethylphthalate-d6	14.17	166	149752	17.23	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	199797	17.84	ng/ul	0.00
20) 4-Nitrophenol-d4	15.00	143	10044	6.57	ng/ul	0.00
21) Fluorene-d10	15.77	176	131875	16.86	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.90	200	17903	16.62	ng/ul	0.00
26) Anthracene-d10	17.62	188	182580	18.26	ng/ul	0.00
30) Pyrene-d10	19.90	212	172255	18.16	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.92	264	140135	18.25	ng/ul	0.00

Target Compounds

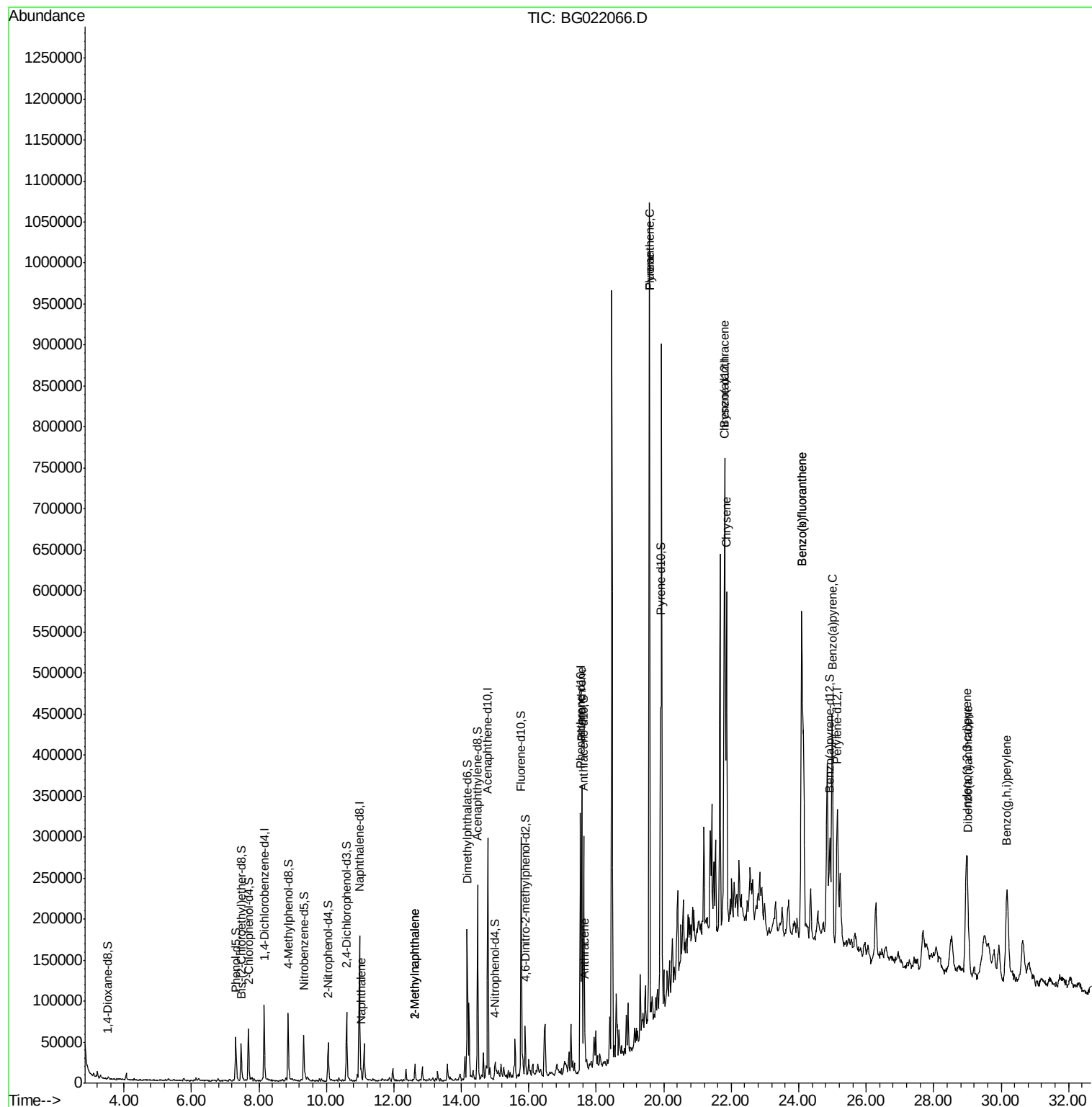
					Qvalue
11) Naphthalene	11.03	128	13308	1.42 ng/ul	96
13) 2-Methylnaphthalene	12.62	142	12155	1.79 ng/ul	83
14) 1-Methylnaphthalene	12.62	142	12155	1.75 ng/ul	91
25) Phenanthrene	17.57	178	233491	20.12 ng/ul	96
27) Anthracene	17.66	178	33935	2.91 ng/ul	98
28) Fluoranthene	19.57	202	652748	54.14 ng/ul#	94
31) Pyrene	19.57	202	652748	52.71 ng/ul	98
32) Benzo(a)anthracene	21.79	228	298780	29.96 ng/ul	96
33) Chrysene	21.86	228	308333	31.78 ng/ul	95
35) Benzo(b)fluoranthene	24.09	252	465938	46.89 ng/ul#	95
36) Benzo(k)fluoranthene	24.09	252	465938	47.67 ng/ul#	95
38) Benzo(a)pyrene	25.00	252	307494	32.36 ng/ul#	93
39) Indeno(1,2,3-cd)pyrene	28.97	276	251022	23.24 ng/ul	96
40) Dibenzo(a,h)anthracene	29.01	278	34607	3.87 ng/ul#	85
41) Benzo(g,h,i)perylene	30.18	276	231087	25.29 ng/ul#	89

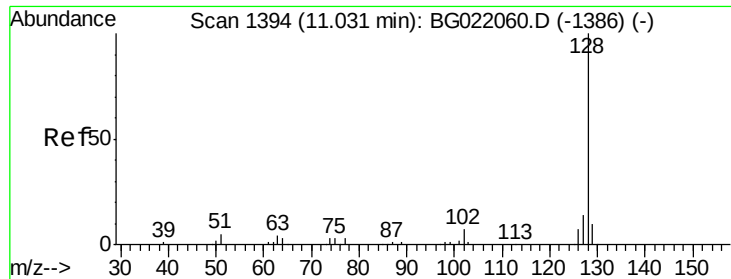
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052516\
Data File : BG022066.D
Acq On : 25 May 2016 20:02
Operator : UM/SJ
Sample : H3203-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XJ0

Quant Time: May 26 03:12:31 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

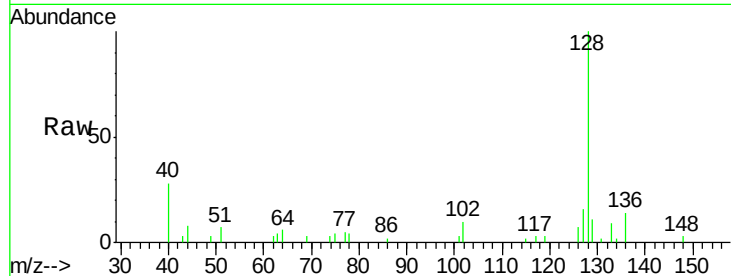




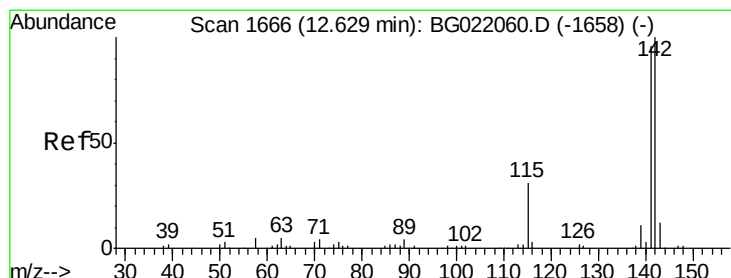
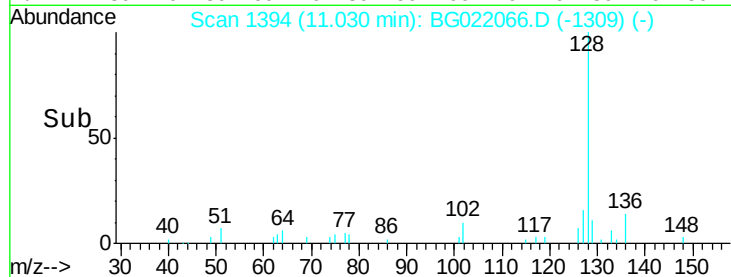
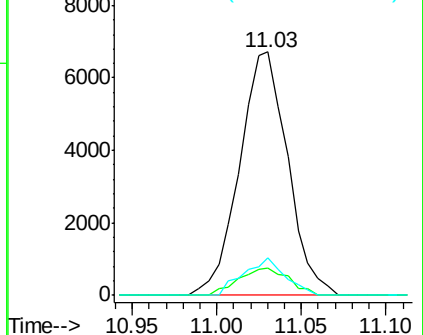
#11
Naphthalene
Concen: 1.42 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG022066.D
Acq: 25 May 2016 20:02

Instrument :
BNA_G
ClientSampleId :
D9XJ0

Tgt Ion:128 Resp: 13308
Ion Ratio Lower Upper
128 100
129 11.4 8.3 12.5
127 15.6 10.8 16.2

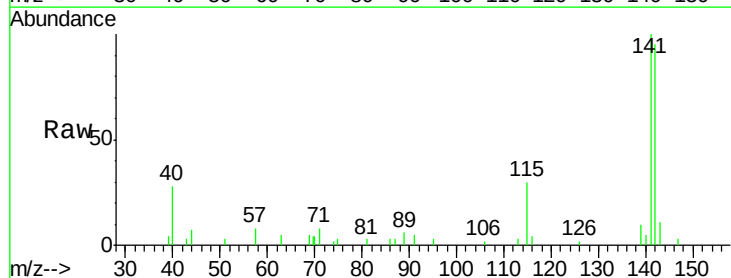


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

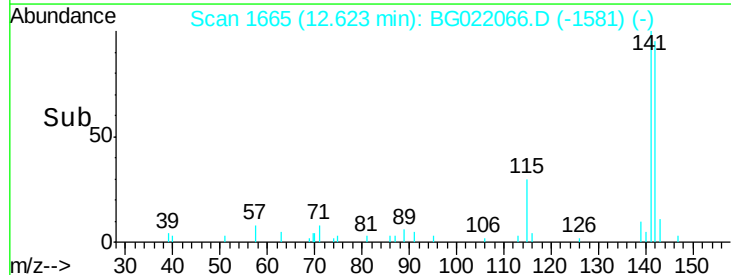
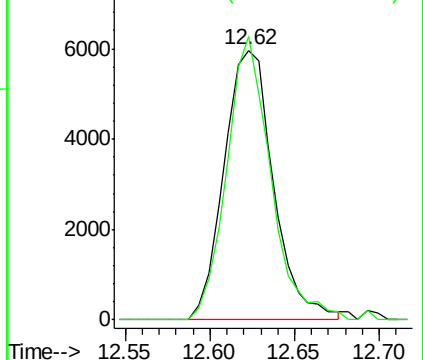


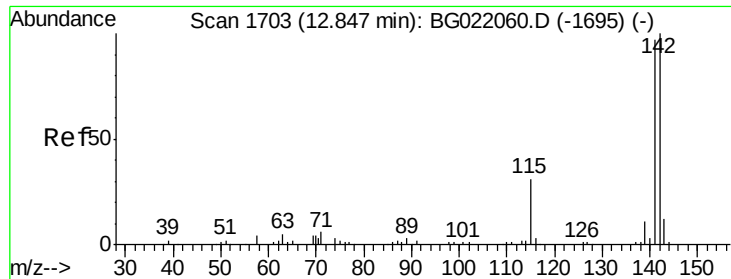
#13
2-Methylnaphthalene
Concen: 1.79 ng/ul
RT: 12.62 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BG022066.D
Acq: 25 May 2016 20:02

Tgt Ion:142 Resp: 12155
Ion Ratio Lower Upper
142 100
141 104.9 71.3 106.9



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

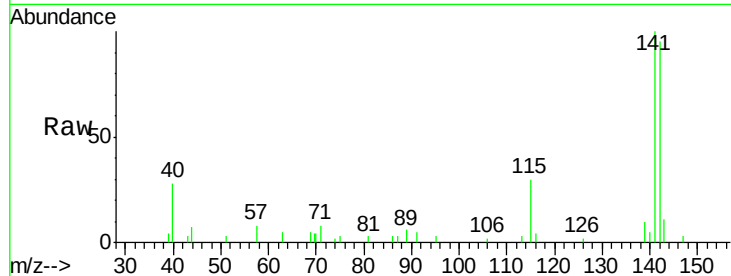




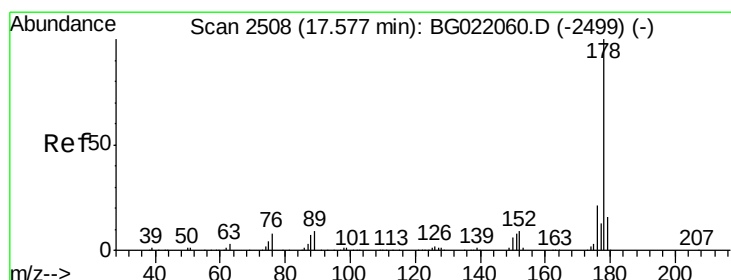
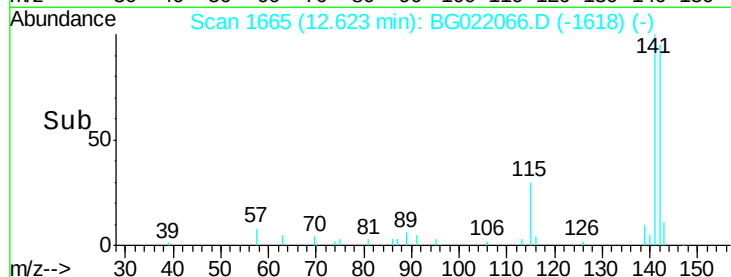
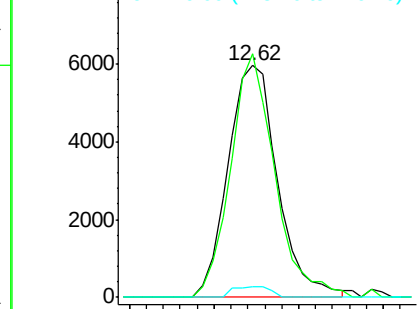
#14
1-Methylnaphthalene
Concen: 1.75 ng/ul
RT: 12.62 min Scan# 1665
Delta R.T. -0.22 min
Lab File: BG022066.D
Acq: 25 May 2016 20:02

Instrument :
BNA_G
ClientSampleId :
D9XJ0

Tgt Ion:142 Resp: 12155
Ion Ratio Lower Upper
142 100
141 104.9 77.0 115.4
116 4.6 4.2 6.4

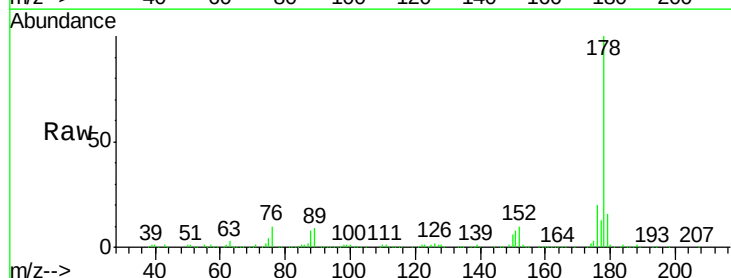


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

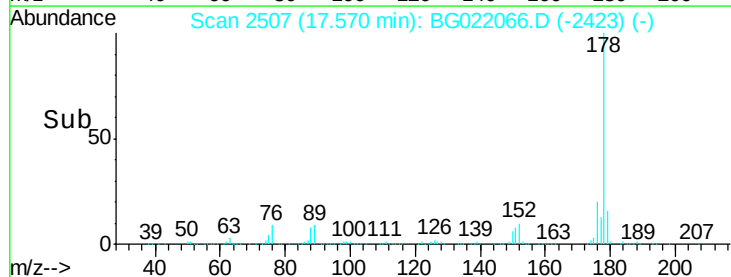
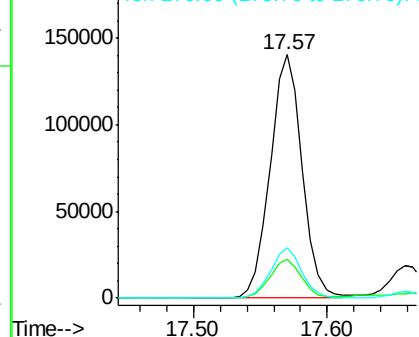


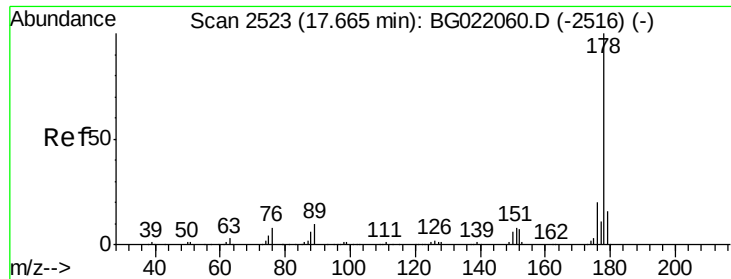
#25
Phenanthrene
Concen: 20.12 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. -0.01 min
Lab File: BG022066.D
Acq: 25 May 2016 20:02

Tgt Ion:178 Resp: 233491
Ion Ratio Lower Upper
178 100
179 16.2 11.8 17.8
176 20.5 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

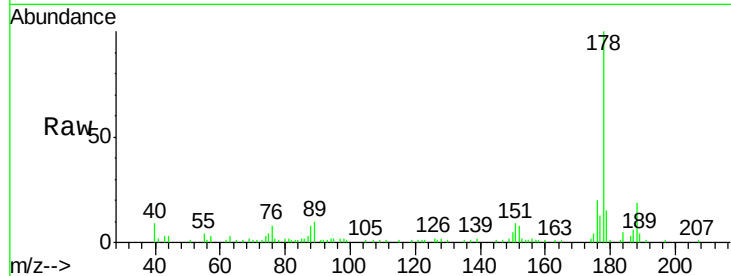




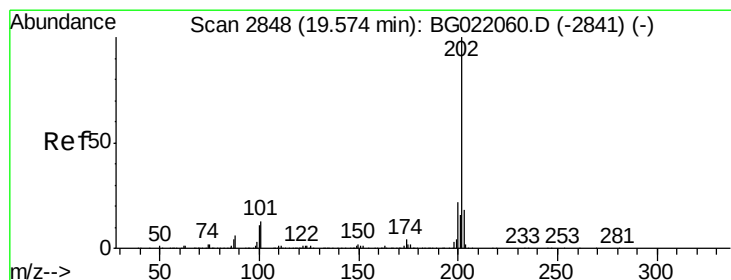
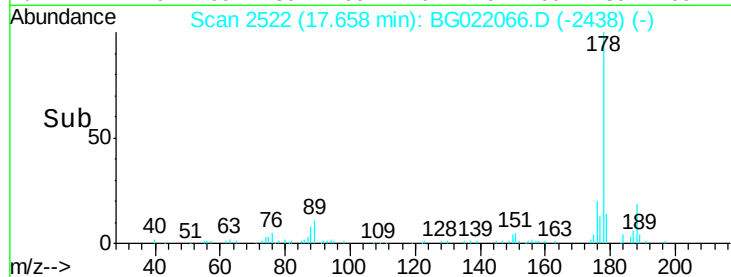
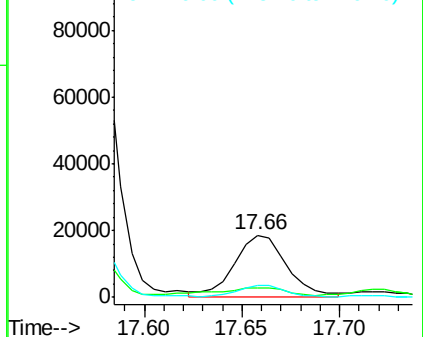
#27
 Anthracene
 Concen: 2.91 ng/ul
 RT: 17.66 min Scan# 2522
 Delta R.T. -0.01 min
 Lab File: BG022066.D
 Acq: 25 May 2016 20:02

Instrument :
 BNA_G
 ClientSampleId :
 D9XJ0

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.9	19.3
176	20.1	15.6	23.4

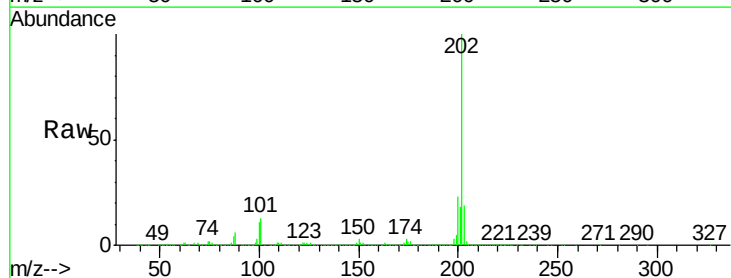


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

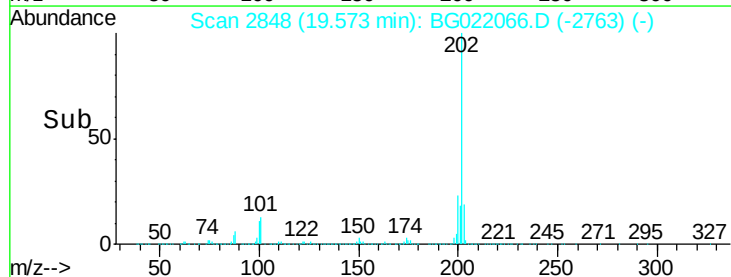
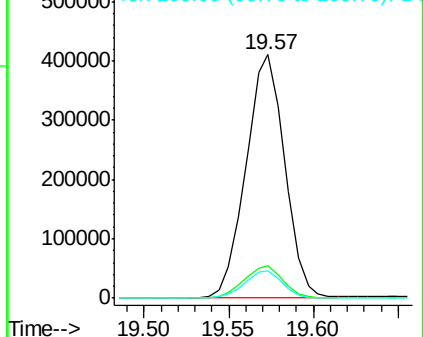


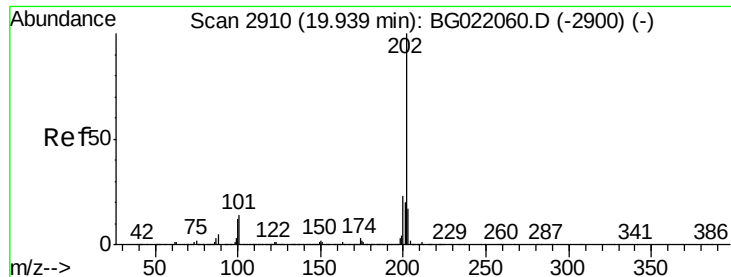
#28
 Fluoranthene
 Concen: 54.14 ng/ul
 RT: 19.57 min Scan# 2848
 Delta R.T. -0.00 min
 Lab File: BG022066.D
 Acq: 25 May 2016 20:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	8.9	13.3#
100	11.0	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

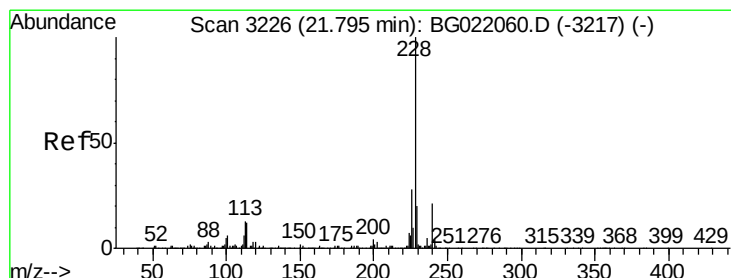
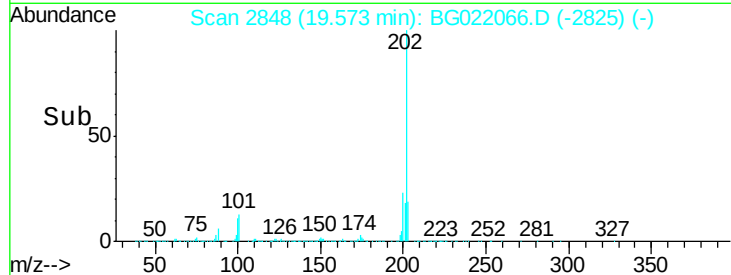
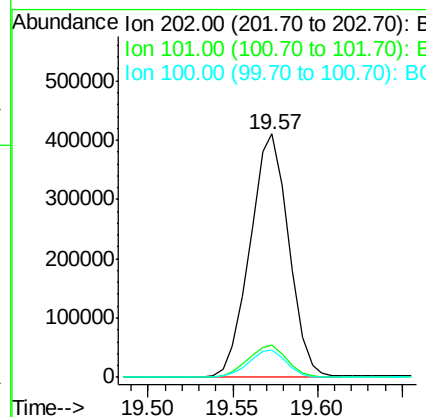
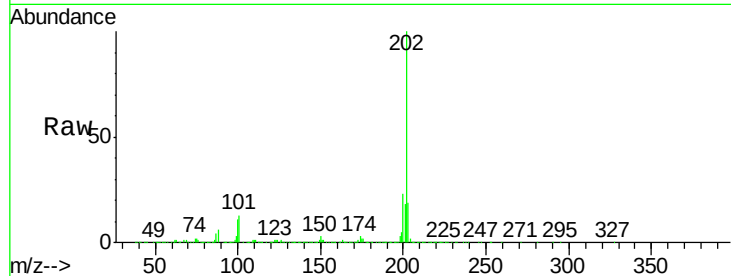




#31
 Pyrene
 Concen: 52.71 ng/ul
 RT: 19.57 min Scan# 2848
 Delta R.T. -0.37 min
 Lab File: BG022066.D
 Acq: 25 May 2016 20:02

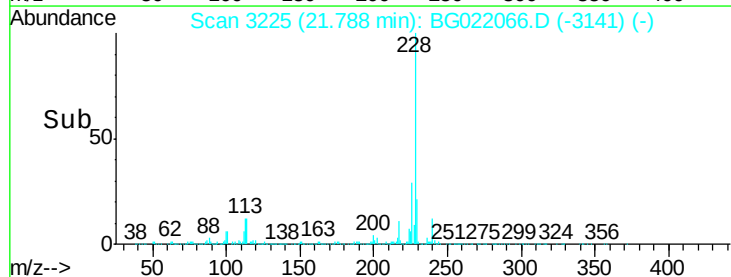
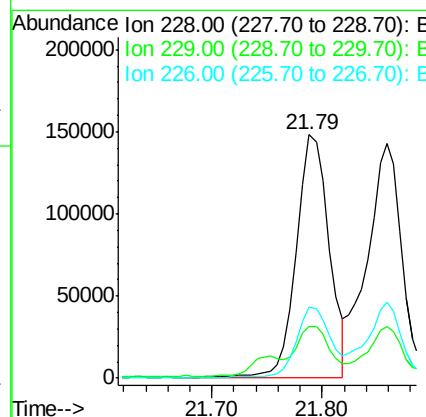
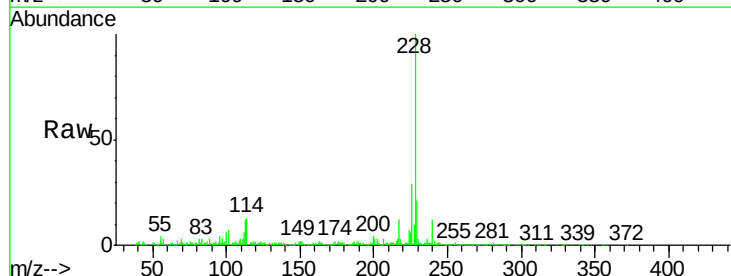
Instrument :
 BNA_G
 ClientSampled :
 D9XJ0

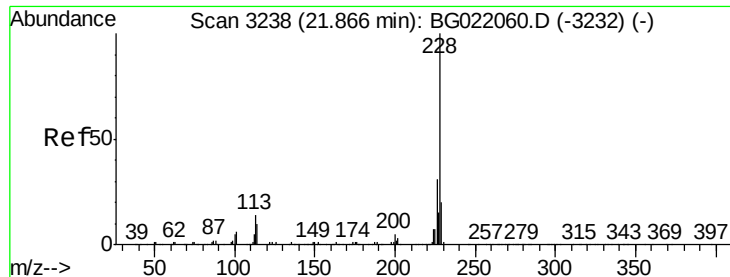
Tgt Ion:	202	Resp:	652748
Ion	Ratio	Lower	Upper
202	100		
101	13.5	9.8	14.8
100	11.0	9.3	13.9



#32
 Benzo(a)anthracene
 Concen: 29.96 ng/ul
 RT: 21.79 min Scan# 3225
 Delta R.T. -0.01 min
 Lab File: BG022066.D
 Acq: 25 May 2016 20:02

Tgt Ion:	228	Resp:	298780
Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.6	25.0
226	29.3	21.0	31.4





#33

Chrysene

Concen: 31.78 ng/ul

RT: 21.86 min Scan# 3237

Delta R.T. -0.01 min

Lab File: BG022066.D

Acq: 25 May 2016 20:02

Instrument :

BNA_G

ClientSampleId :

D9XJ0

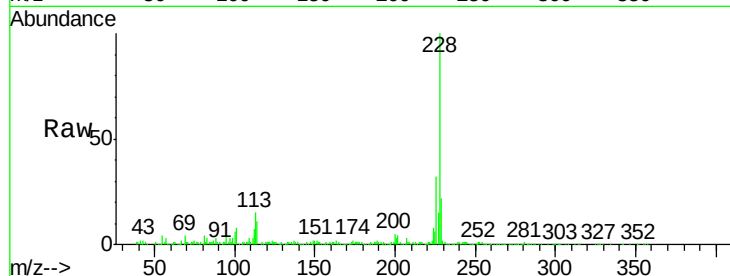
Tgt Ion: 228 Resp: 308333

Ion Ratio Lower Upper

228 100

226 32.3 23.4 35.2

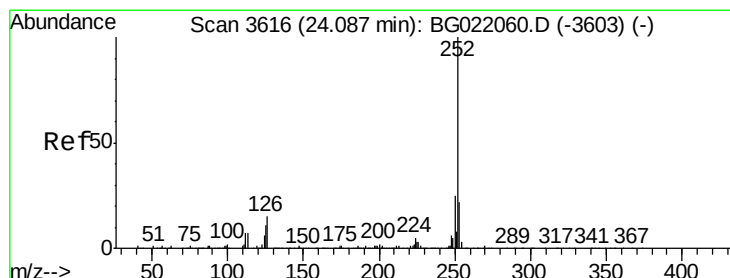
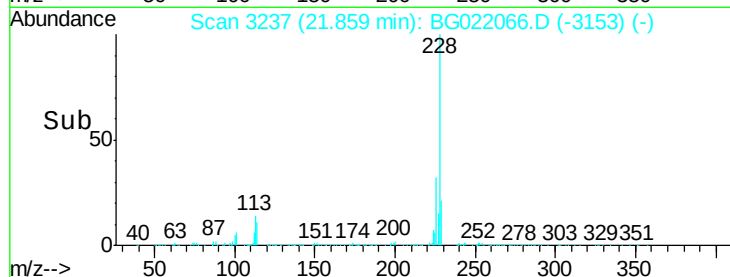
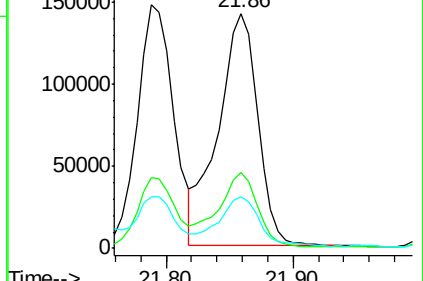
229 22.2 16.2 24.2



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: 46.89 ng/ul

RT: 24.09 min Scan# 3617

Delta R.T. 0.01 min

Lab File: BG022066.D

Acq: 25 May 2016 20:02

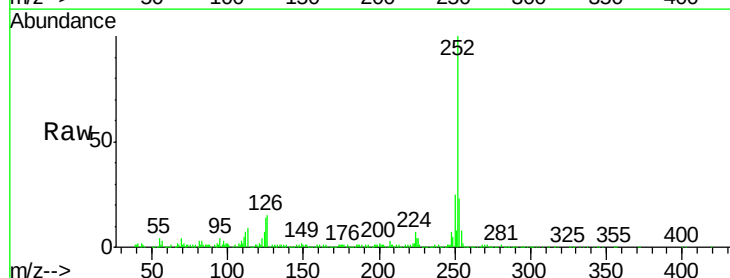
Tgt Ion: 252 Resp: 465938

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

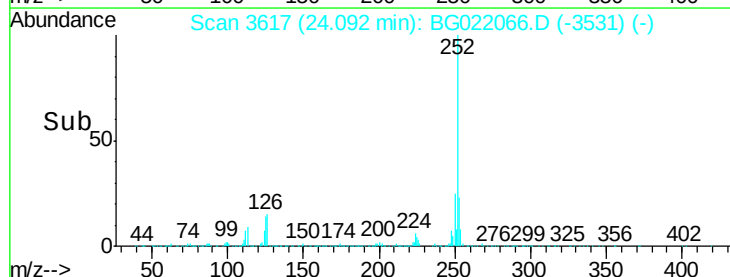
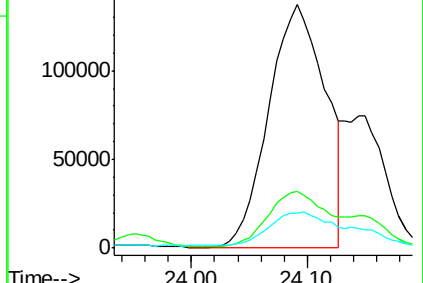
125 14.5 7.6 11.4#

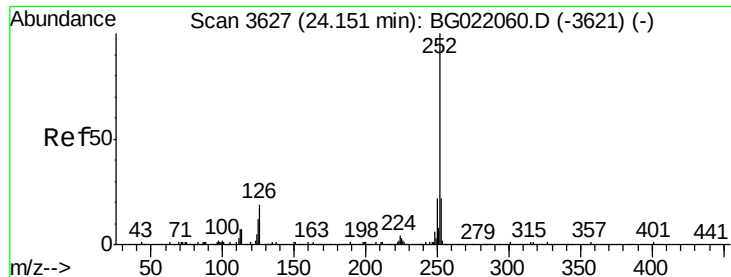


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

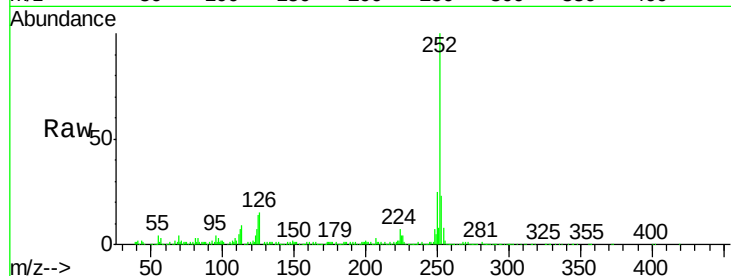




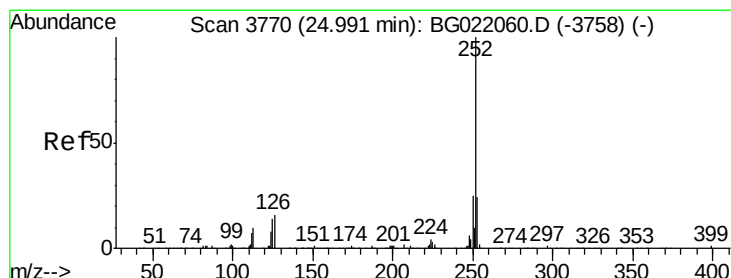
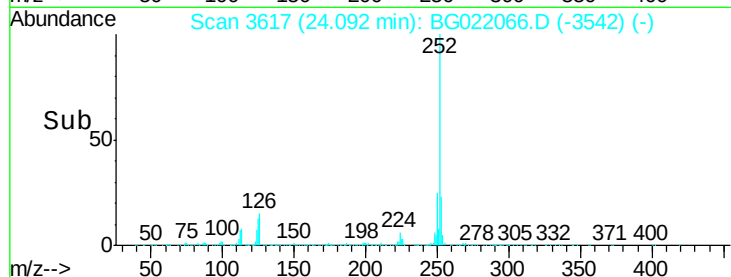
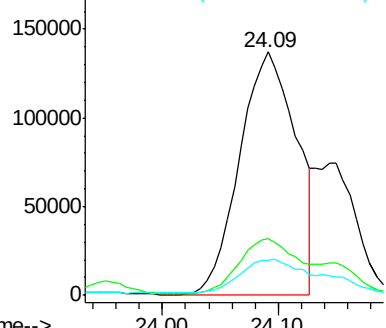
#36
Benzo(k)fluoranthene
Concen: 47.67 ng/ul
RT: 24.09 min Scan# 3617
Delta R.T. -0.06 min
Lab File: BG022066.D
Acq: 25 May 2016 20:02

Instrument :
BNA_G
ClientSampleId :
D9XJ0

Tgt Ion:252 Resp: 465938
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 14.5 7.7 11.5#

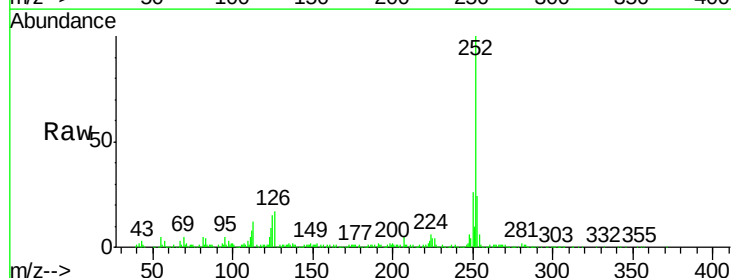


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

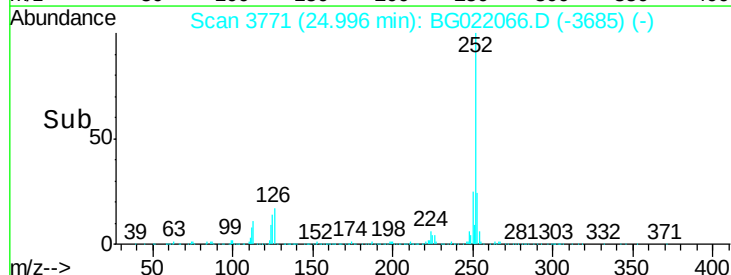
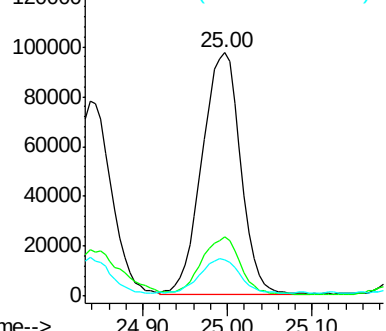


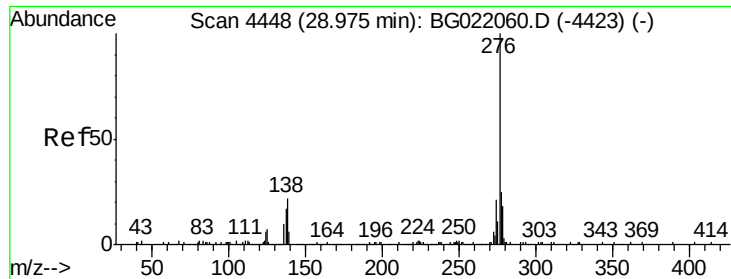
#38
Benzo(a)pyrene
Concen: 32.36 ng/ul
RT: 25.00 min Scan# 3771
Delta R.T. 0.01 min
Lab File: BG022066.D
Acq: 25 May 2016 20:02

Tgt Ion:252 Resp: 307494
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 14.7 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: 23.24 ng/ul

RT: 28.97 min Scan# 4448

Delta R.T. -0.00 min

Lab File: BG022066.D

Acq: 25 May 2016 20:02

Instrument :

BNA_G

ClientSampleId :

D9XJ0

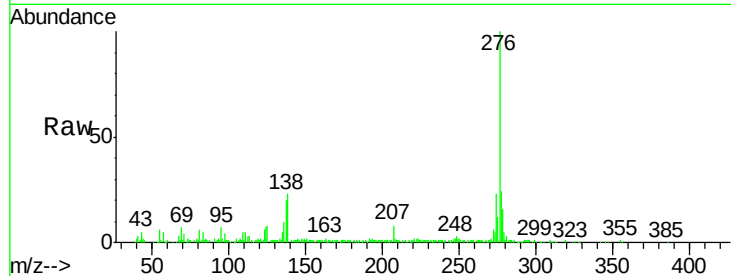
Tgt Ion:276 Resp: 251022

Ion Ratio Lower Upper

276 100

138 23.0 15.8 23.6

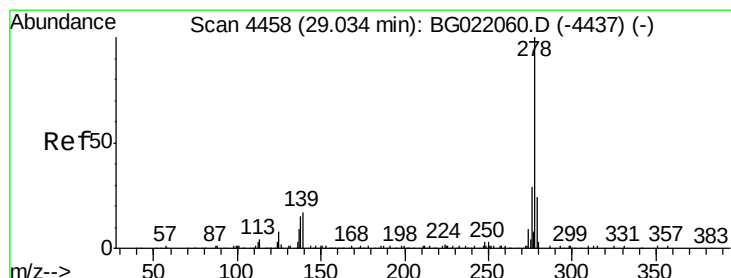
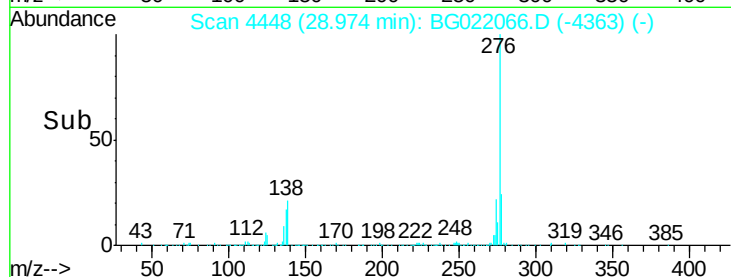
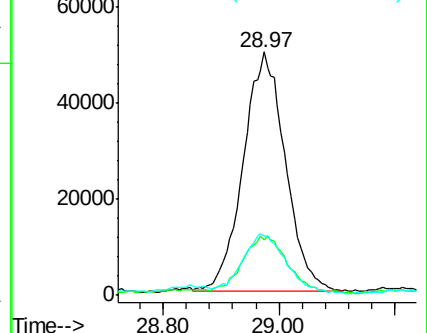
277 24.5 19.0 28.6



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: 3.87 ng/ul

RT: 29.01 min Scan# 4454

Delta R.T. -0.02 min

Lab File: BG022066.D

Acq: 25 May 2016 20:02

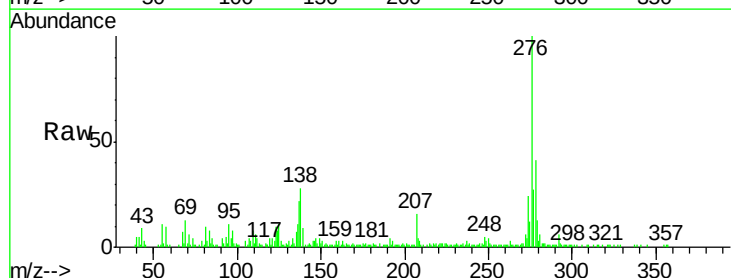
Tgt Ion:278 Resp: 34607

Ion Ratio Lower Upper

278 100

139 22.7 12.1 18.1#

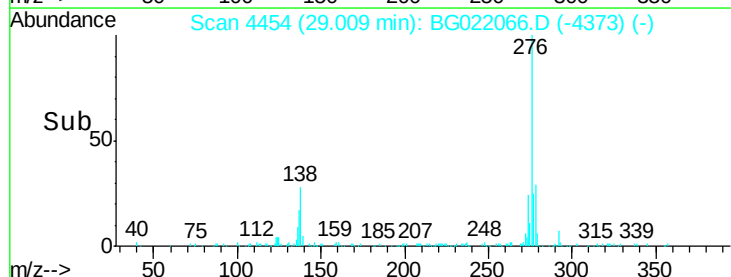
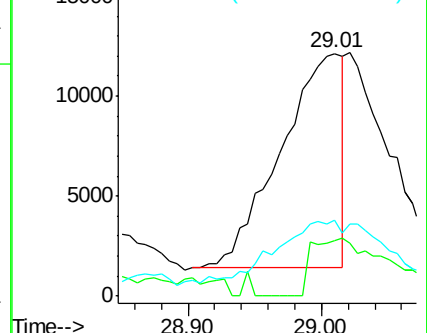
279 31.1 19.8 29.8#

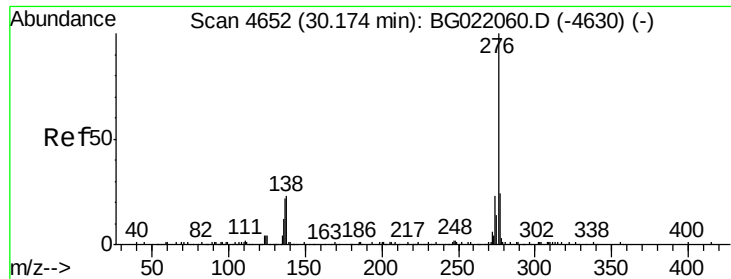


Abundance Ion 278.00 (277.70 to 278.70): E

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: 25.29 ng/ul

RT: 30.18 min Scan# 4653

Delta R.T. 0.01 min

Lab File: BG022066.D

Acq: 25 May 2016 20:02

Instrument :

BNA_G

ClientSampleId :

D9XJ0

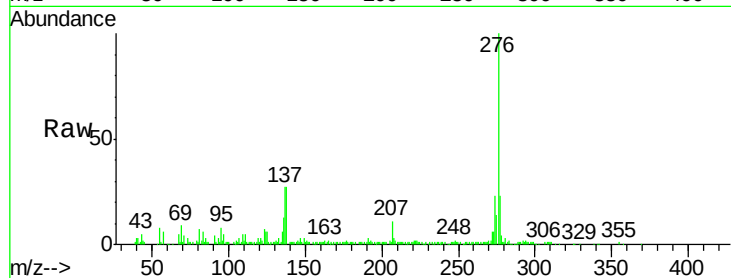
Tgt Ion: 276 Resp: 231087

Ion Ratio Lower Upper

276 100

138 26.8 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

