

Data File : BG030752.D
Acq On : 5 Nov 2017 23:44
Operator : SJ/JU
Sample : I6107-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0E95

Quant Time: Nov 06 01:27:47 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 01:27:00 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	78542	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	373256	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	248733	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	594278	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	612630	20.00	ng/ul	0.00
83) Perylene-d12	24.89	264	828313	20.00	ng/ul	-0.19

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.53	96	8113	4.20	ng/uL	0.00
5) Phenol-d5	7.31	99	168915	22.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	94592	20.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	137896	25.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	135742	22.29	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	66727	24.90	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	80478	29.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.58	165	150418	24.04	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	101156	13.92	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	491258	23.10	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	635234	24.56	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	73638	18.76	ng/ul	0.00
57) Fluorene-d10	15.75	176	478478	27.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	60763	20.95	ng/ul	0.00
70) Anthracene-d10	17.61	188	734603	26.14	ng/ul	0.00
76) Pyrene-d10	19.89	212	807118	25.45	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.89	264	825917	21.05	ng/ul	0.03

Target Compounds				Qvalue		
6) Phenol	7.34	94	33850	4.34	ng/ul#	86
28) Naphthalene	11.02	128	139996	7.09	ng/ul	98
30) 4-Chloroaniline	11.02	127	18277	2.57	ng/ul#	1
34) 2-Methylnaphthalene	12.61	142	61130	3.74	ng/ul	95
40) 1,1'-Biphenyl	13.60	154	23159	1.13	ng/ul	92
44) Dimethylphthalate	14.21	163	388212	18.72	ng/ul	98
47) Acenaphthylene	14.50	152	232102	8.80	ng/ul	96
49) Acenaphthene	14.83	153	165337	9.16	ng/ul	96
53) Dibenzofuran	15.17	168	201817	8.18	ng/ul	94
58) Fluorene	15.81	166	277474	14.10	ng/ul	98
69) Phenanthrene	17.65	178	898290	27.96	ng/ul	98
71) Anthracene	17.65	178	898290	27.10	ng/ul	99
72) Carbazole	17.91	167	555422	18.64	ng/ul	98
74) Fluoranthene	19.70	202	128629	3.58	ng/ul	97
77) Pyrene	19.92	202	3850296	93.77	ng/ul#	87
80) Benzo(a)anthracene	21.77	228	2897350	75.46	ng/ul#	88
82) Chrysene	21.84	228	2709045	77.66	ng/ul#	87
88) Benzo(a)pyrene	24.97	252	2849415	58.87	ng/ul	93
89) Indeno(1,2,3-cd)pyrene	28.49	276	448316	8.19	ng/ul	96

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

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BNA_G

ClientSampleId :

B0E95

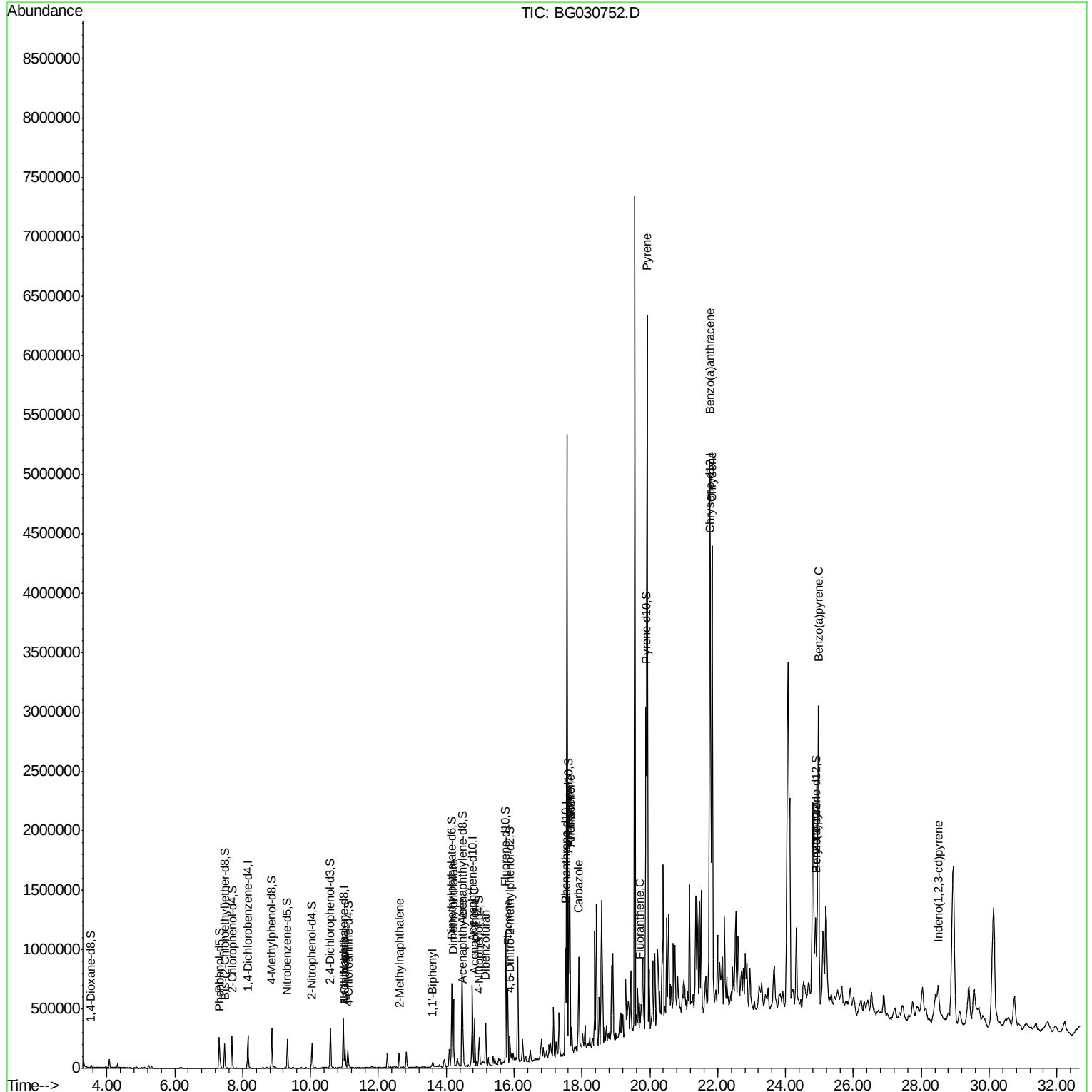
Quant Time: Nov 06 01:27:47 2017

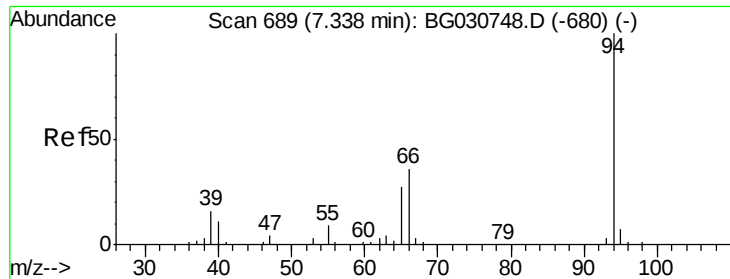
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Nov 06 01:27:00 2017

Response via : Initial Calibration





#6

Phenol

Concen: 4.34 ng/ul

RT: 7.34 min Scan# 689

Delta R.T. -0.00 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Instrument :

BNA_G

ClientSampled :

B0E95

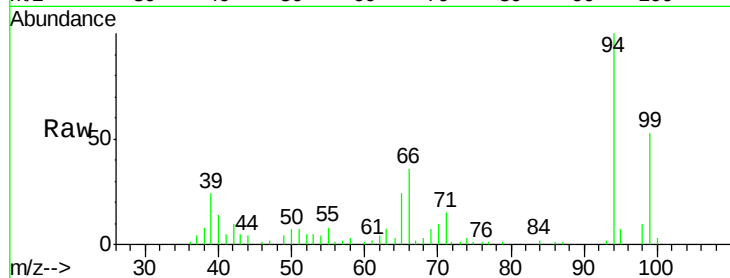
Tgt Ion: 94 Resp: 33850

Ion Ratio Lower Upper

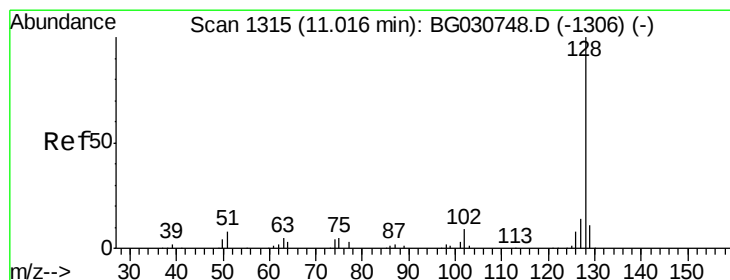
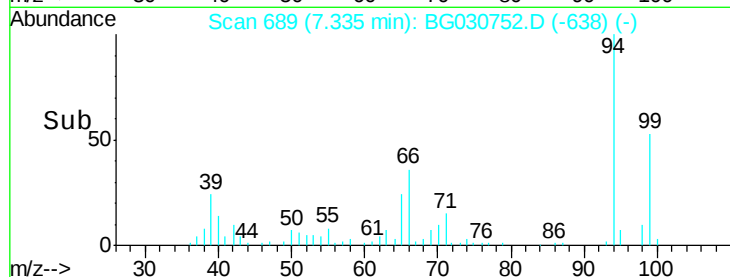
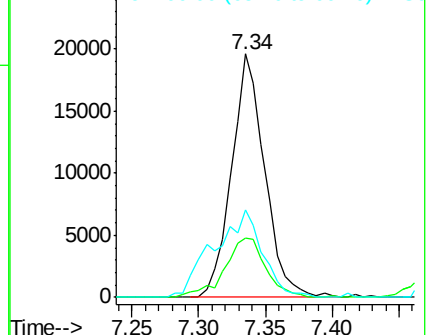
94 100

65 24.1 27.1 40.7#

66 36.0 34.6 52.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#28

Naphthalene

Concen: 7.09 ng/ul

RT: 11.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

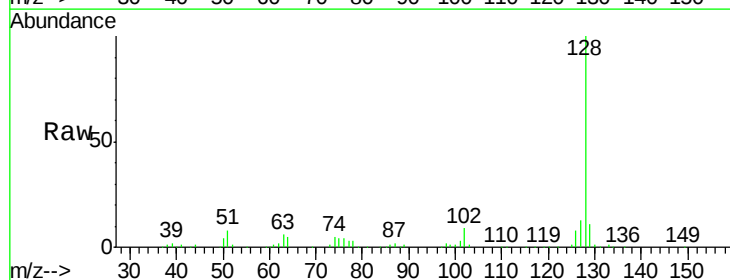
Tgt Ion: 128 Resp: 139996

Ion Ratio Lower Upper

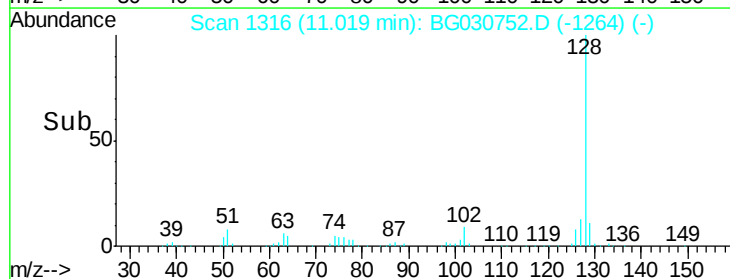
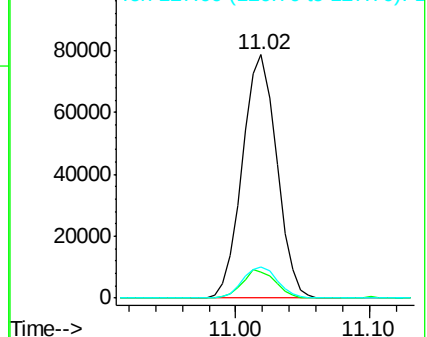
128 100

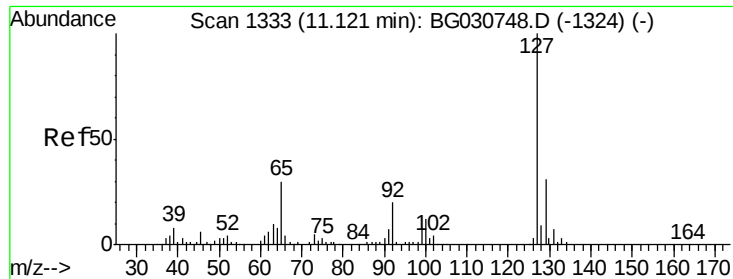
129 10.7 9.3 13.9

127 12.8 10.7 16.1



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

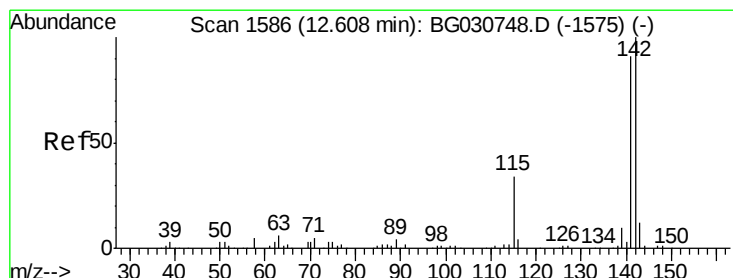
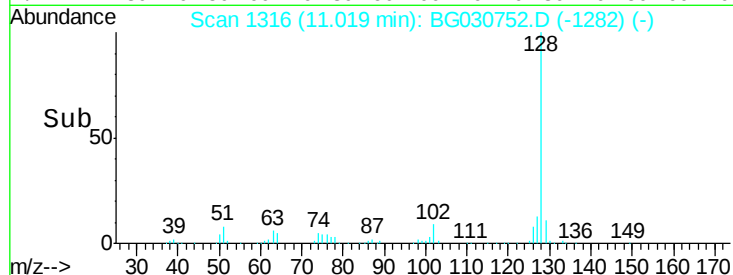
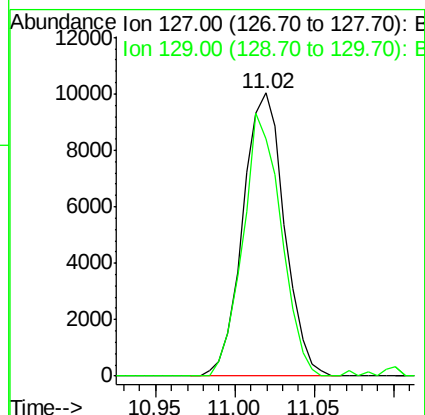
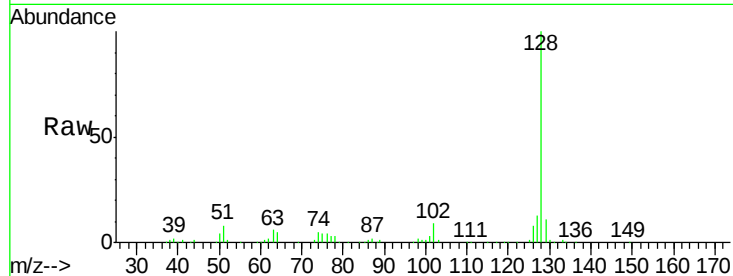




#30
 4-Chloroaniline
 Concen: 2.57 ng/ul
 RT: 11.02 min Scan# 1316
 Delta R.T. -0.10 min
 Lab File: BG030752.D
 Acq: 5 Nov 2017 23:44

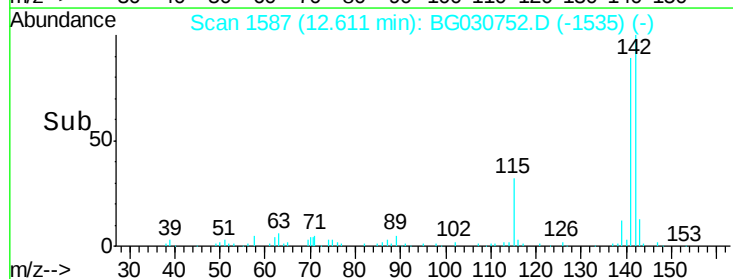
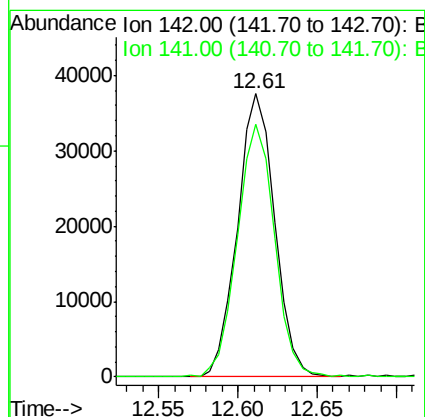
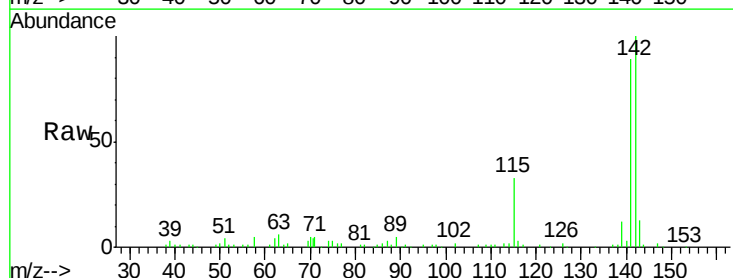
Instrument :
 BNA_G
 ClientSampleId :
 B0E95

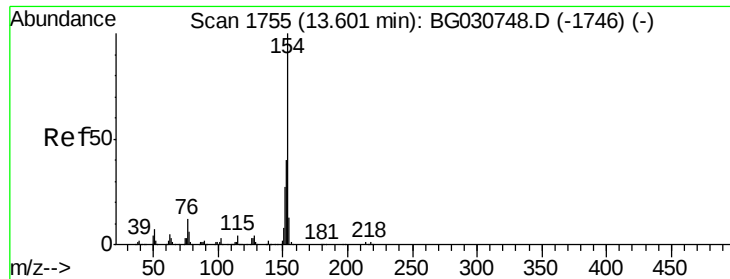
Tgt Ion:127 Resp: 18277
 Ion Ratio Lower Upper
 127 100
 129 83.6 23.9 35.9#



#34
 2-Methylnaphthalene
 Concen: 3.74 ng/ul
 RT: 12.61 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: BG030752.D
 Acq: 5 Nov 2017 23:44

Tgt Ion:142 Resp: 61130
 Ion Ratio Lower Upper
 142 100
 141 89.1 75.4 113.0





#40

1,1'-Biphenyl

Concen: 1.13 ng/ul

RT: 13.60 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Instrument :

BNA_G

ClientSampleId :

B0E95

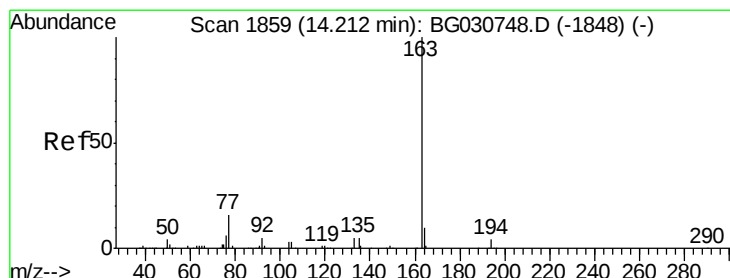
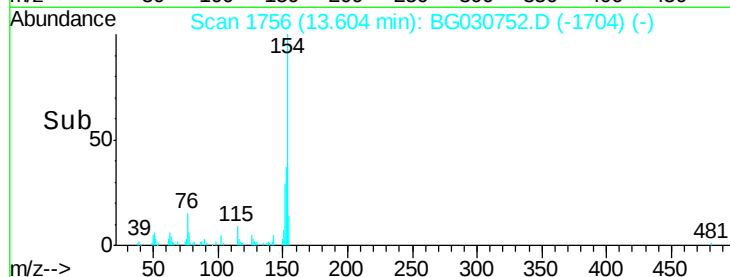
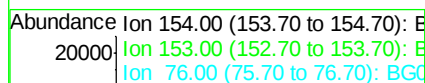
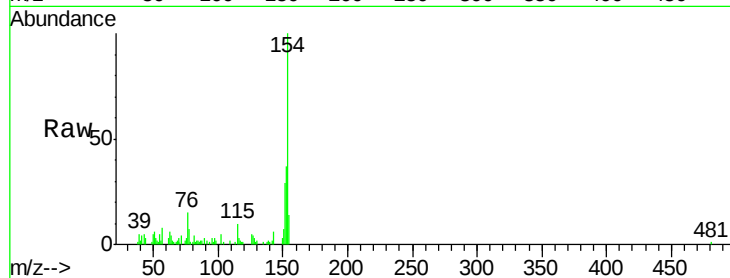
Tgt Ion:154 Resp: 23159

Ion Ratio Lower Upper

154 100

153 37.1 34.6 52.0

76 15.1 10.6 15.8



#44

Dimethylphthalate

Concen: 18.72 ng/ul

RT: 14.21 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

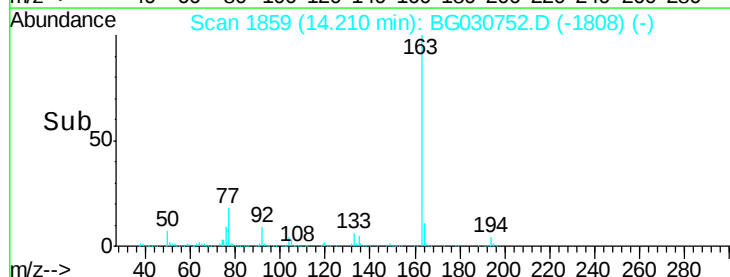
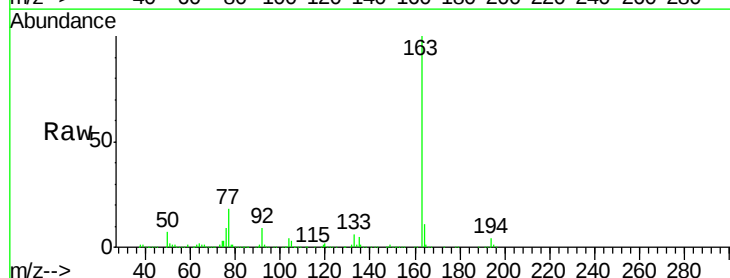
Tgt Ion:163 Resp: 388212

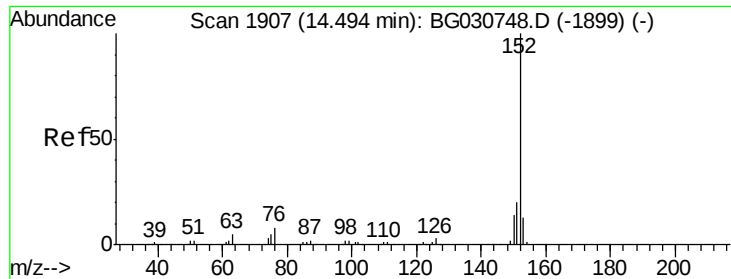
Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

164 10.8 7.6 11.4





#47

Acenaphthylene

Concen: 8.80 ng/ul

RT: 14.50 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Instrument :

BNA_G

ClientSampleId :

B0E95

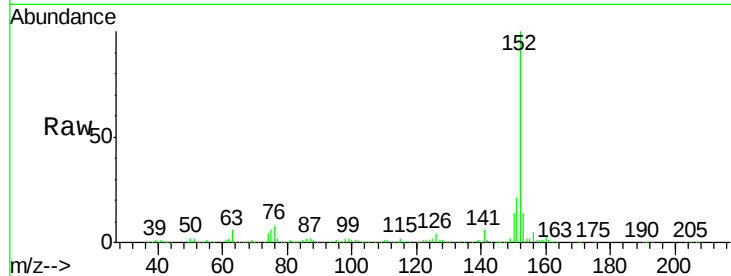
Tgt Ion:152 Resp: 232102

Ion Ratio Lower Upper

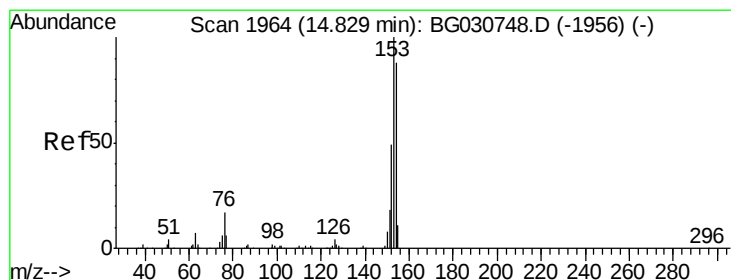
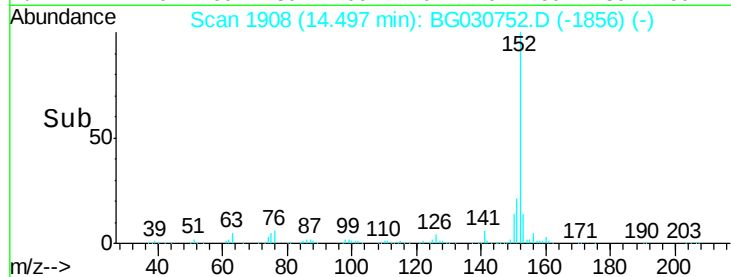
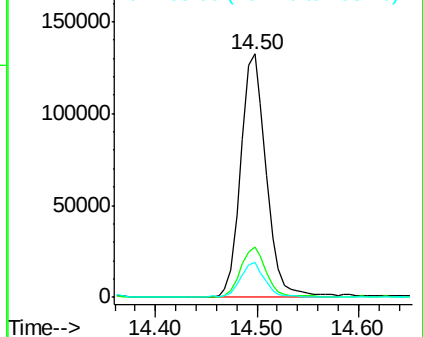
152 100

151 20.8 15.2 22.8

153 14.3 10.2 15.4



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



#49

Acenaphthene

Concen: 9.16 ng/ul

RT: 14.83 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

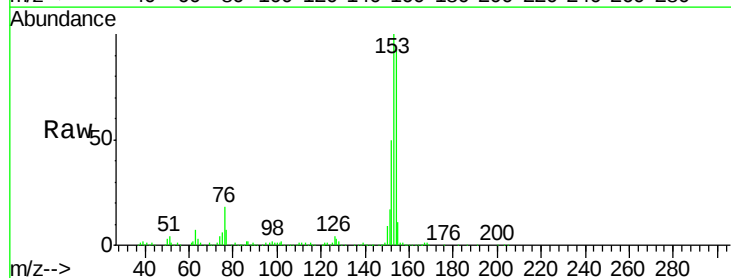
Tgt Ion:153 Resp: 165337

Ion Ratio Lower Upper

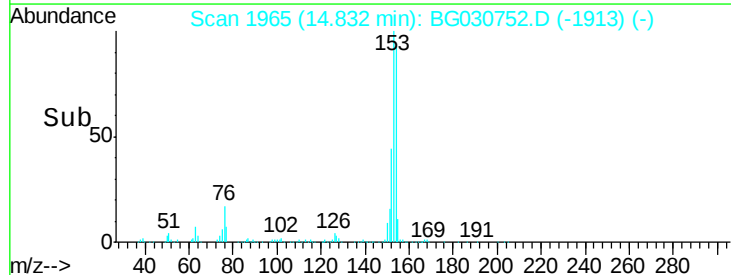
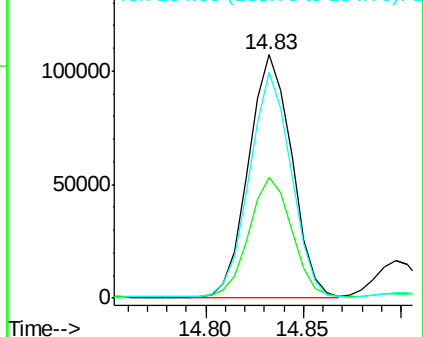
153 100

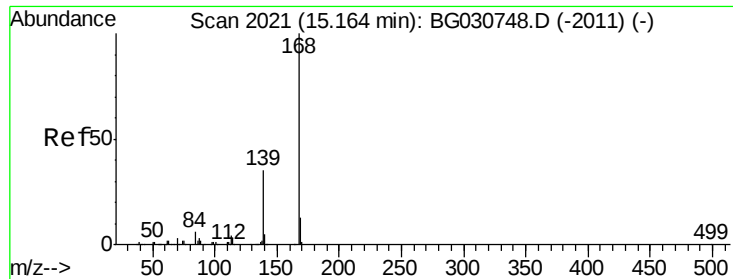
152 49.5 38.2 57.2

154 92.6 70.6 105.8



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





#53

Dibenzenofuran

Concen: 8.18 ng/ul

RT: 15.17 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Instrument :

BNA_G

ClientSampleId :

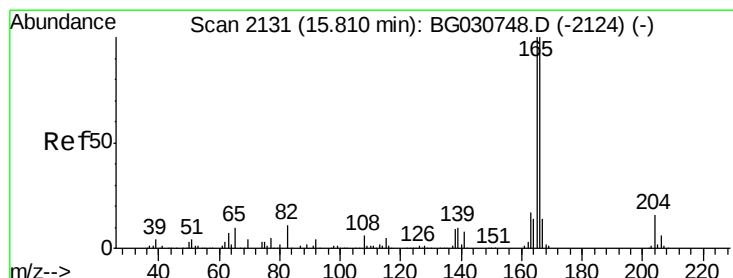
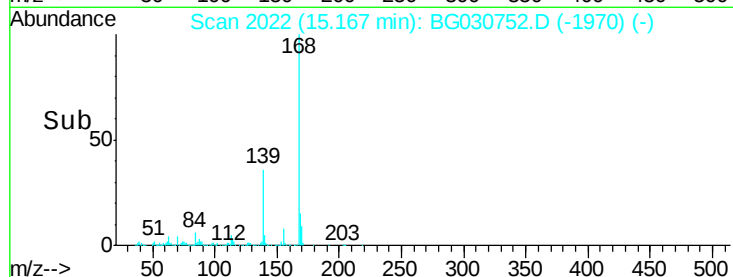
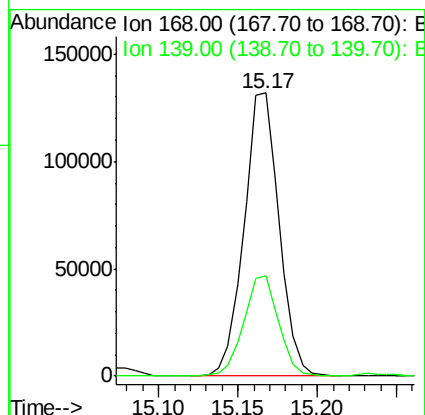
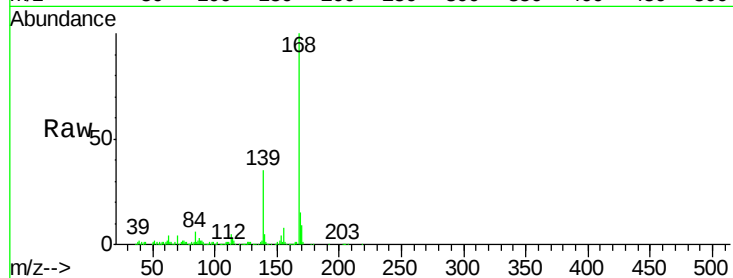
B0E95

Tgt Ion:168 Resp: 201817

Ion Ratio Lower Upper

168 100

139 35.5 31.4 47.2



#58

Fluorene

Concen: 14.10 ng/ul

RT: 15.81 min Scan# 2132

Delta R.T. 0.00 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

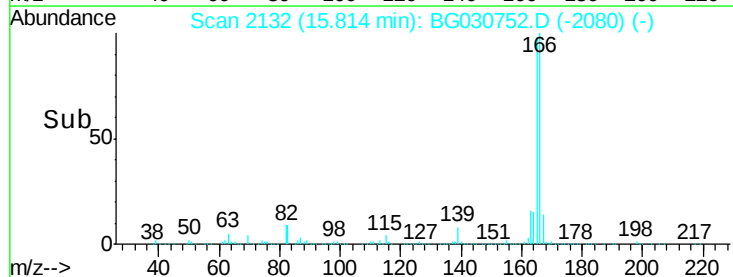
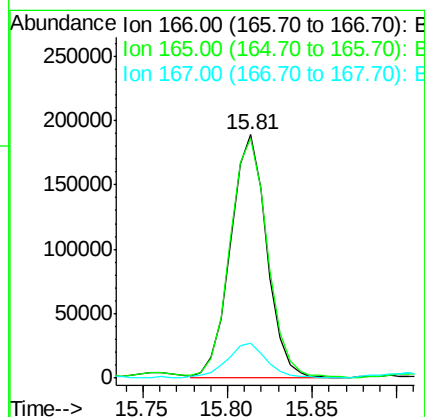
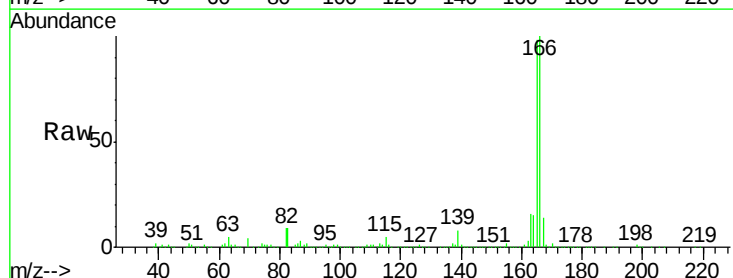
Tgt Ion:166 Resp: 277474

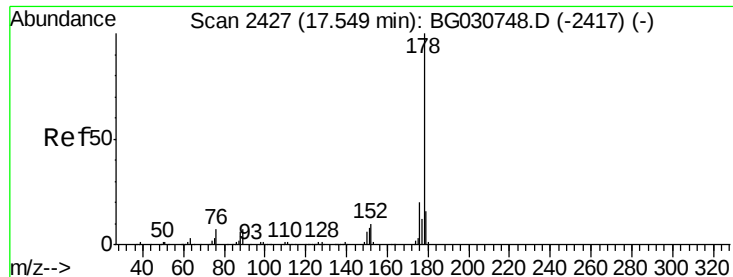
Ion Ratio Lower Upper

166 100

165 98.3 79.9 119.9

167 14.5 10.6 16.0

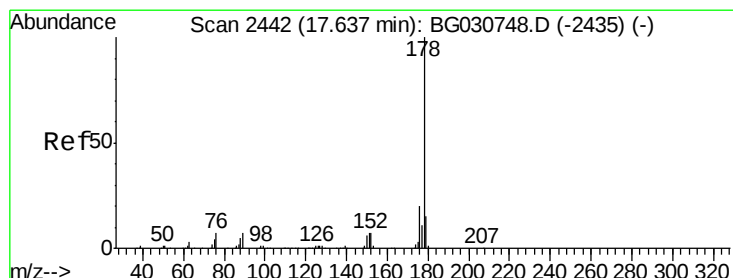
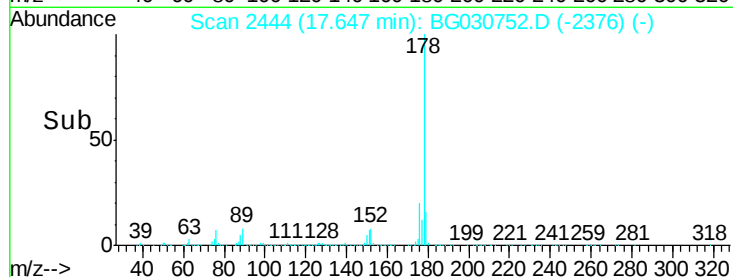
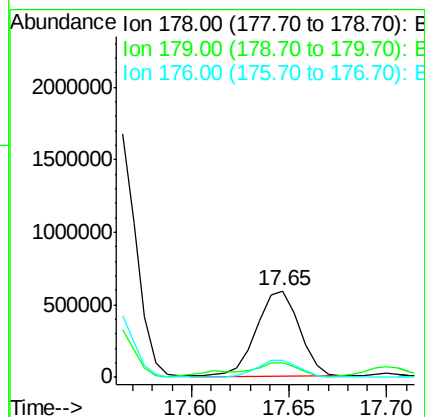
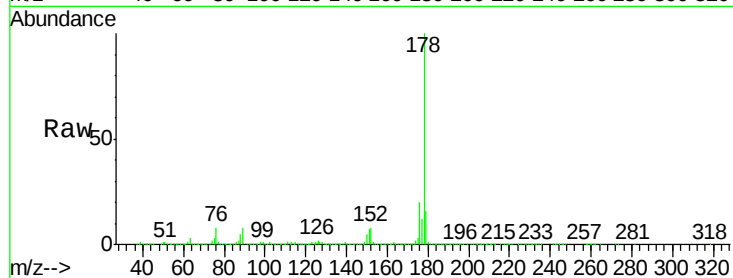




#69
Phenanthrene
Concen: 27.96 ng/ul
RT: 17.65 min Scan# 2444
Delta R.T. 0.10 min
Lab File: BG030752.D
Acq: 5 Nov 2017 23:44

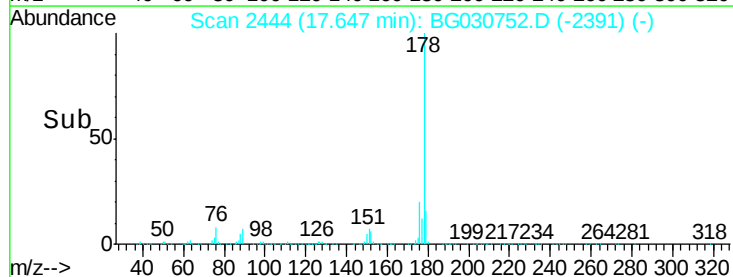
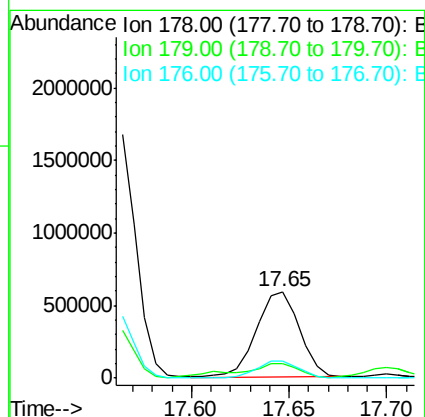
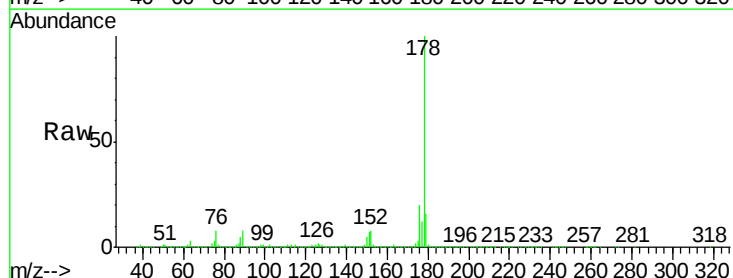
Instrument :
BNA_G
ClientSampleId :
B0E95

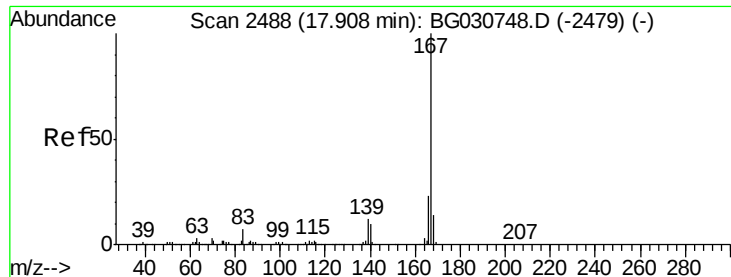
Tgt Ion:178 Resp: 898290
Ion Ratio Lower Upper
178 100
179 16.5 13.0 19.6
176 20.5 15.3 22.9



#71
Anthracene
Concen: 27.10 ng/ul
RT: 17.65 min Scan# 2444
Delta R.T. 0.01 min
Lab File: BG030752.D
Acq: 5 Nov 2017 23:44

Tgt Ion:178 Resp: 898290
Ion Ratio Lower Upper
178 100
179 16.5 13.2 19.8
176 20.5 16.0 24.0

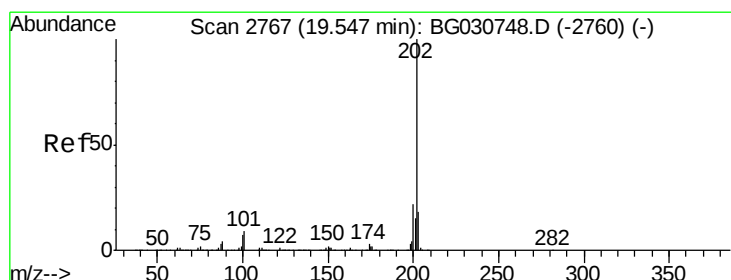
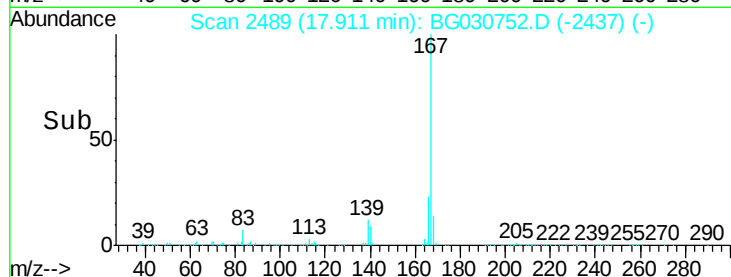
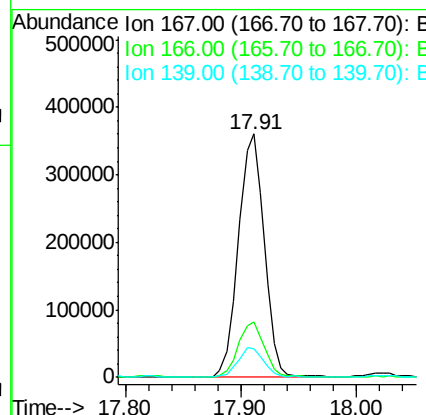
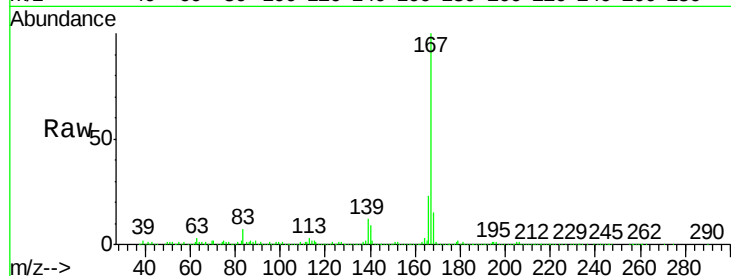




#72
 Carbazole
 Concen: 18.64 ng/ul
 RT: 17.91 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: BG030752.D
 Acq: 5 Nov 2017 23:44

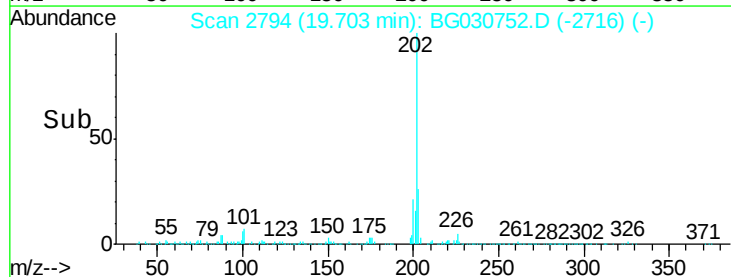
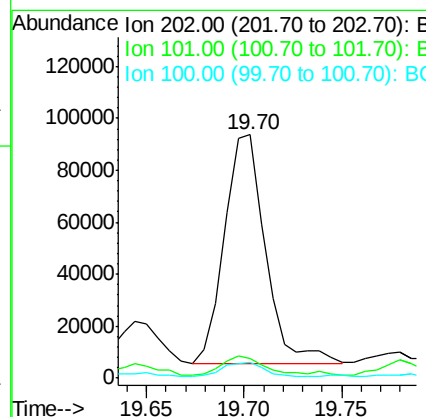
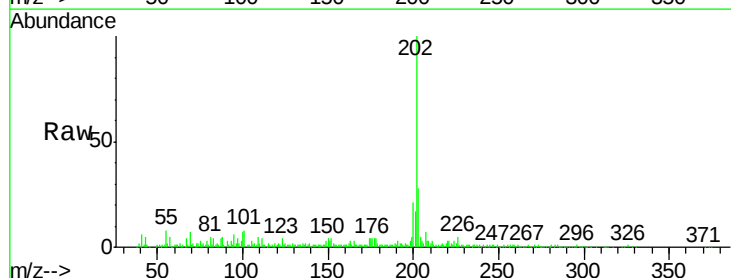
Instrument :
 BNA_G
 ClientSampleId :
 B0E95

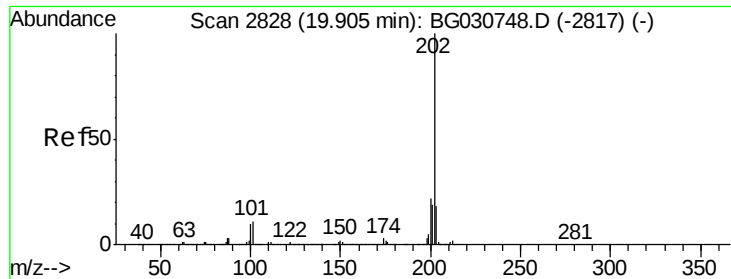
Tgt Ion:167 Resp: 555422
 Ion Ratio Lower Upper
 167 100
 166 22.8 18.6 28.0
 139 11.9 10.6 16.0



#74
 Fluoranthene
 Concen: 3.58 ng/ul
 RT: 19.70 min Scan# 2794
 Delta R.T. 0.16 min
 Lab File: BG030752.D
 Acq: 5 Nov 2017 23:44

Tgt Ion:202 Resp: 128629
 Ion Ratio Lower Upper
 202 100
 101 7.8 7.4 11.2
 100 6.6 5.6 8.4

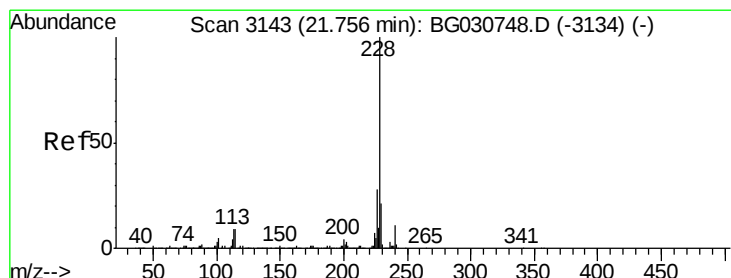
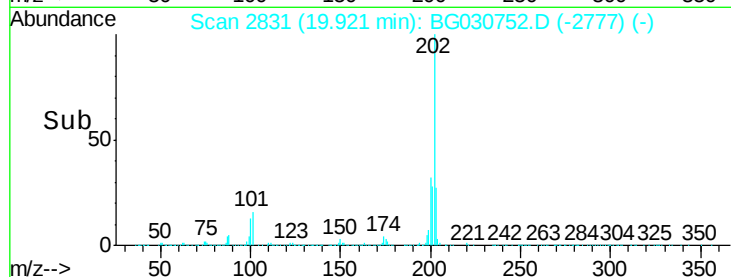
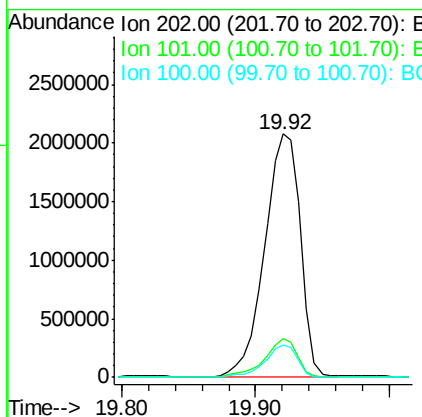
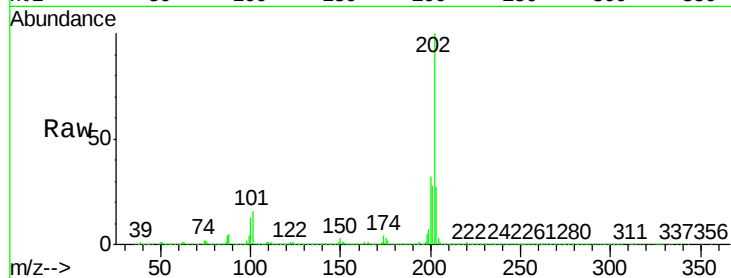




#77
 Pyrene
 Concen: 93.77 ng/ul
 RT: 19.92 min Scan# 2831
 Delta R.T. 0.02 min
 Lab File: BG030752.D
 Acq: 5 Nov 2017 23:44

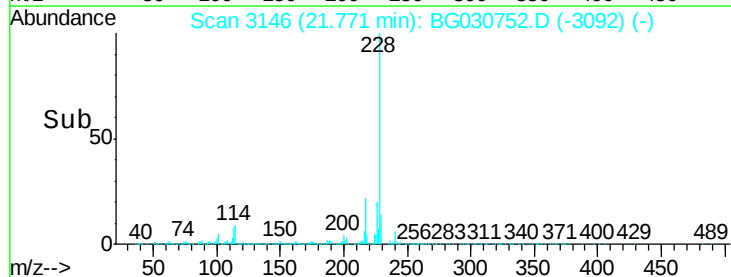
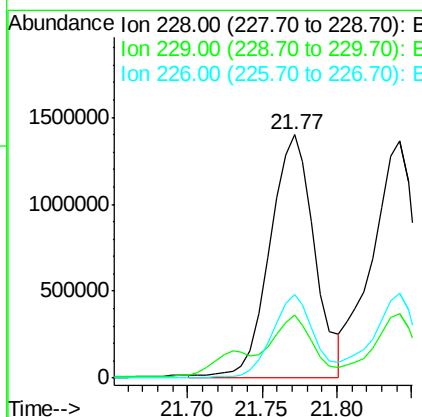
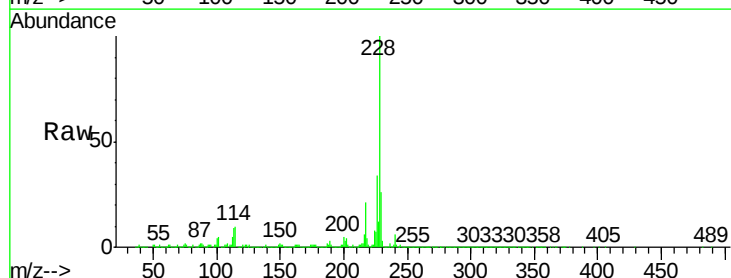
Instrument :
 BNA_G
 ClientSampled :
 B0E95

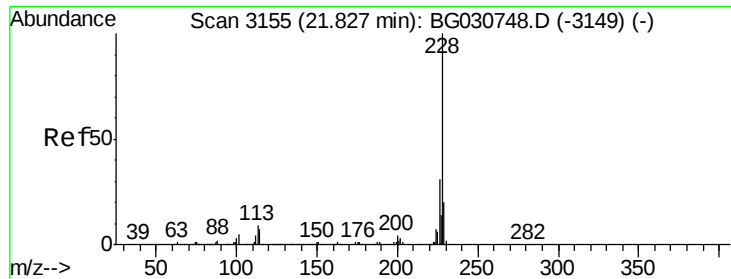
Tgt Ion:202 Resp: 3850296
 Ion Ratio Lower Upper
 202 100
 101 15.7 8.4 12.6#
 100 13.3 7.0 10.6#



#80
 Benzo(a)anthracene
 Concen: 75.46 ng/ul
 RT: 21.77 min Scan# 3146
 Delta R.T. 0.02 min
 Lab File: BG030752.D
 Acq: 5 Nov 2017 23:44

Tgt Ion:228 Resp: 2897350
 Ion Ratio Lower Upper
 228 100
 229 25.9 16.2 24.4#
 226 34.2 22.2 33.2#





#82

Chrysene

Concen: 77.66 ng/u1

RT: 21.84 min Scan# 3158

Delta R.T. 0.02 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Instrument :

BNA_G

ClientSampleId :

B0E95

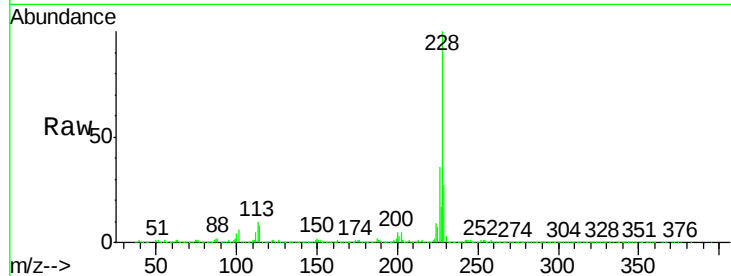
Tgt Ion:228 Resp: 2709045

Ion Ratio Lower Upper

228 100

226 35.9 24.2 36.2

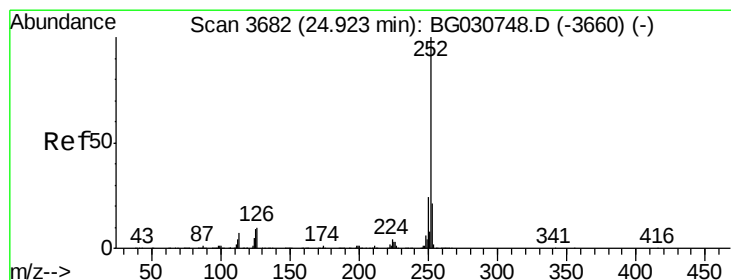
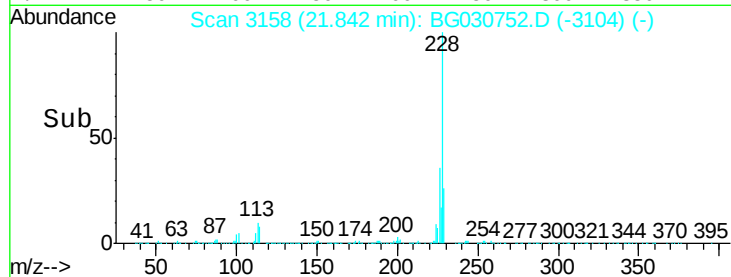
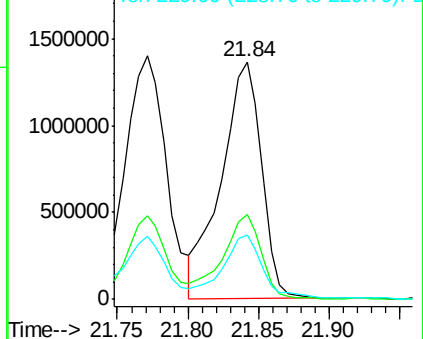
229 27.1 15.2 22.8#



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



#88

Benzo(a)pyrene

Concen: 58.87 ng/u1

RT: 24.97 min Scan# 3690

Delta R.T. 0.04 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

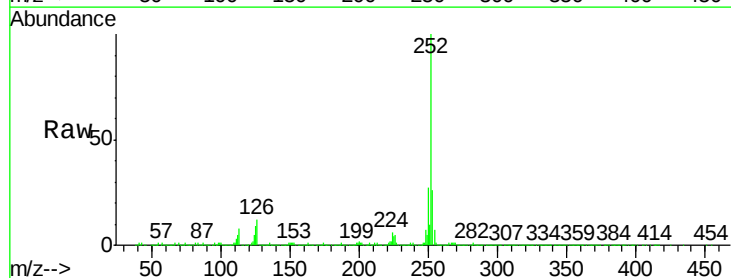
Tgt Ion:252 Resp: 2849415

Ion Ratio Lower Upper

252 100

253 25.5 17.1 25.7

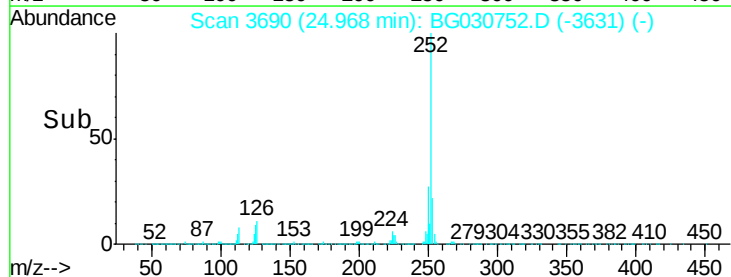
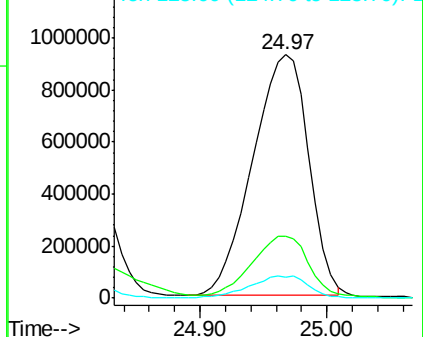
125 8.8 7.8 11.8

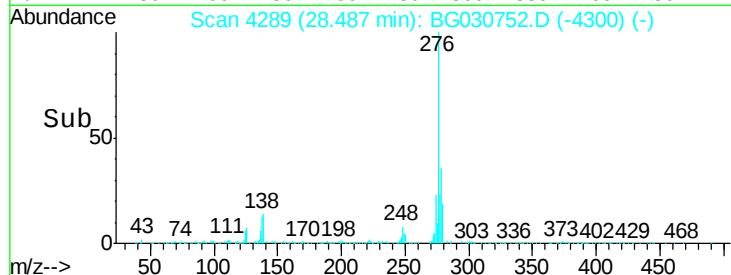
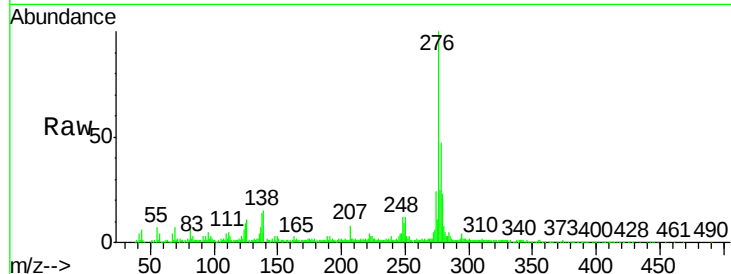
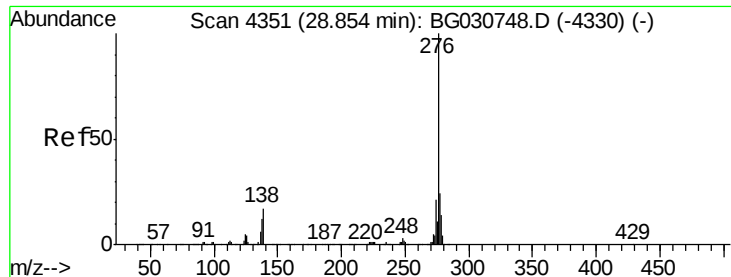


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 8.19 ng/ul

RT: 28.49 min Scan# 4289

Delta R.T. -0.37 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Instrument :

BNA_G

ClientSampleId :

B0E95

Tgt Ion: 276 Resp: 448316

Ion Ratio Lower Upper

276 100

138 15.0 13.4 20.0

277 25.4 18.6 28.0

