

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110617\
 Data File : BG030769.D
 Acq On : 6 Nov 2017 11:25
 Operator : SJ/JU
 Sample : I6107-11DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 07 04:11:11 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 07 04:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	63510	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	293030	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	191571	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.52	188	458961	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	500057	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	517327	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	1714	1.10	ng/uL	0.00
5) Phenol-d5	7.32	99	29513	4.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	17683	4.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	24818	5.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	24611	5.00	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	11740	5.58	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	13334	6.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	26158	5.33	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	9347	1.64	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	92894	5.67	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	120442	6.05	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	11224	3.71	ng/ul	0.00
57) Fluorene-d10	15.76	176	93544	6.97	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	1576	0.70	ng/ul	0.00
70) Anthracene-d10	17.52	188	458961	21.14	ng/ul	-0.10
76) Pyrene-d10	19.88	212	167628	6.48	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.87	264	166266	6.79	ng/ul	0.00

Target Compounds

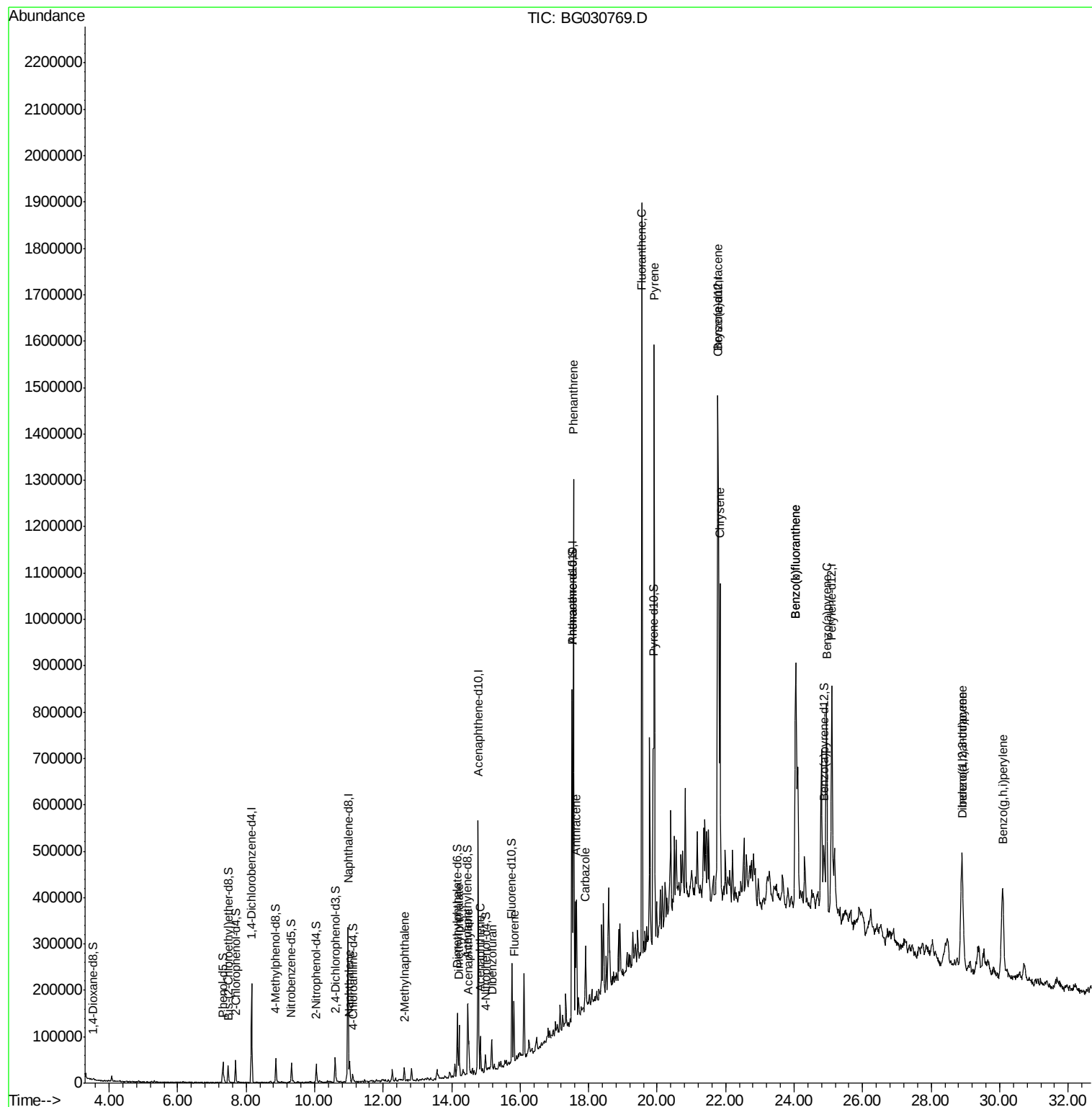
					Ovalue
28) Naphthalene	11.02	128	37161	2.397 ng/ul	97
34) 2-Methylnaphthalene	12.62	142	14214	1.107 ng/ul	98
44) Dimethylphthalate	14.21	163	75809	4.746 ng/ul	100
47) Acenaphthylene	14.50	152	54582	2.686 ng/ul	98
49) Acenaphthene	14.84	153	32955	2.371 ng/ul	97
53) Dibenzofuran	15.17	168	39662	2.087 ng/ul	89
58) Fluorene	15.82	166	57514	3.794 ng/ul	99
69) Phenanthrene	17.56	178	729222	29.391 ng/ul	99
71) Anthracene	17.64	178	176119	6.880 ng/ul	100
72) Carbazole	17.91	167	97279	4.228 ng/ul	97
74) Fluoranthene	19.55	202	1030179	37.152 ng/ul	99
77) Pyrene	19.92	202	876713	26.159 ng/ul	99
80) Benzo(a)anthracene	21.77	228	522397	16.670 ng/ul	98
82) Chrysene	21.83	228	493287	17.324 ng/ul	96
85) Benzo(b)fluoranthene	24.04	252	690327	22.228 ng/ul	97
86) Benzo(k)fluoranthene	24.04	252	690327	22.990 ng/ul	97
88) Benzo(a)pyrene	24.94	252	510400	16.883 ng/ul	97
89) Indeno(1,2,3-cd)pyrene	28.90	276	442633	12.942 ng/ul	96
90) Dibenzo(a,h)anthracene	28.92	278	52481	1.847 ng/ul#	81
91) Benzo(g,h,i)perylene	30.09	276	420241	14.823 ng/ul	97

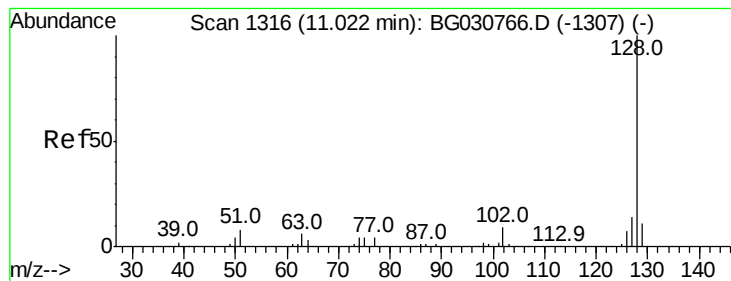
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 07 04:02:51 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 2.397 ng/ul

RT: 11.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

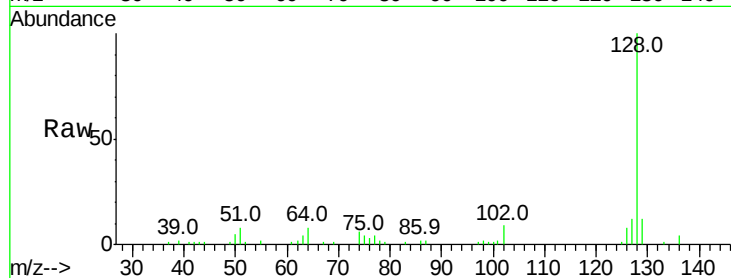
Instrument :

BNA_G

ClientSampleId :

Tot Ion:128 Resp: 37161

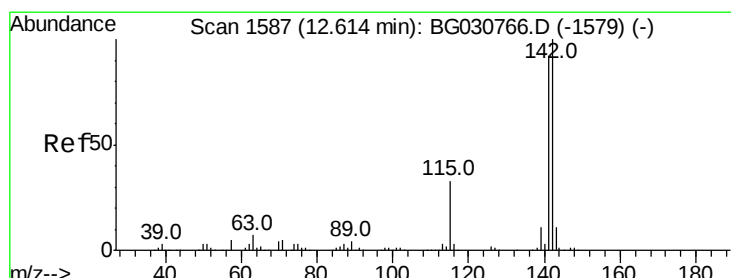
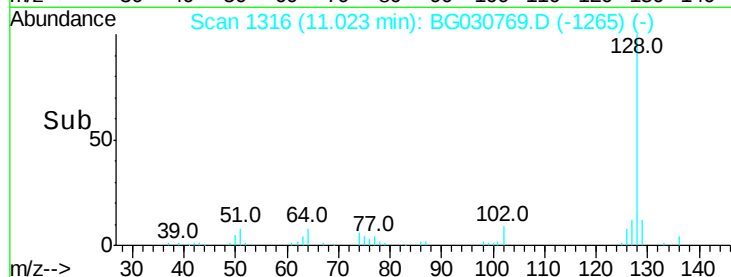
Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.3	13.9
127	11.6	10.7	16.1



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



#34

2-Methylnaphthalene

Concen: 1.107 ng/ul

RT: 12.62 min Scan# 1587

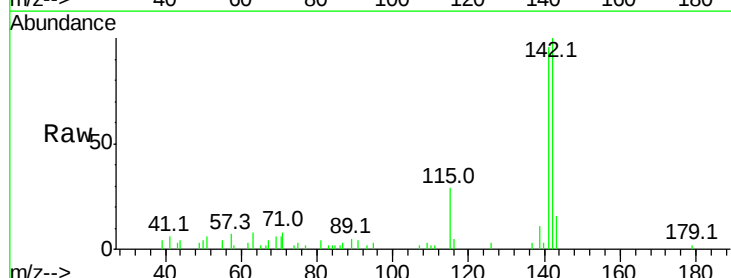
Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

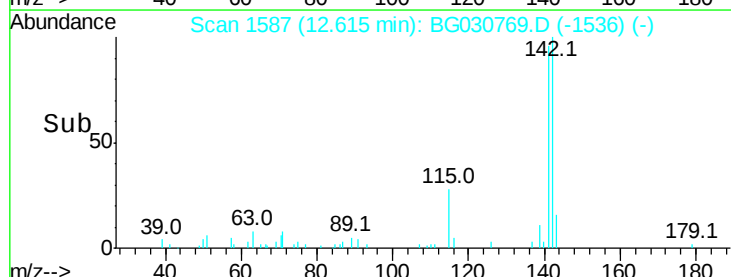
Tgt Ion:142 Resp: 14214

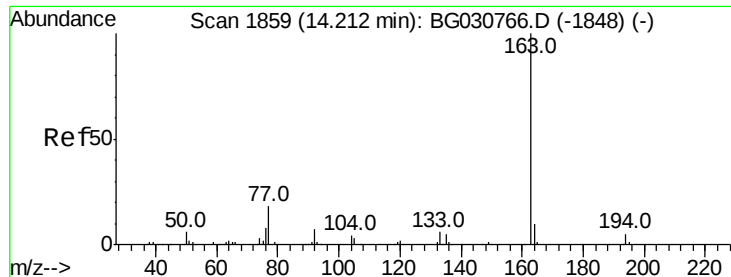
Ion	Ratio	Lower	Upper
142	100		
141	96.5	75.4	113.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 4.746 ng/ul

RT: 14.21 min Scan# 1859

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Instrument :

BNA_G

ClientSampleId :

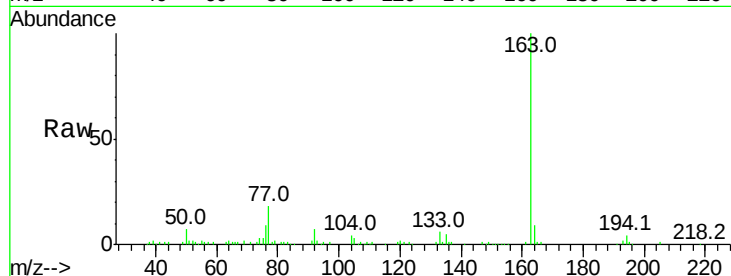
Tot Ion:163 Resp: 75809

Ion Ratio Lower Upper

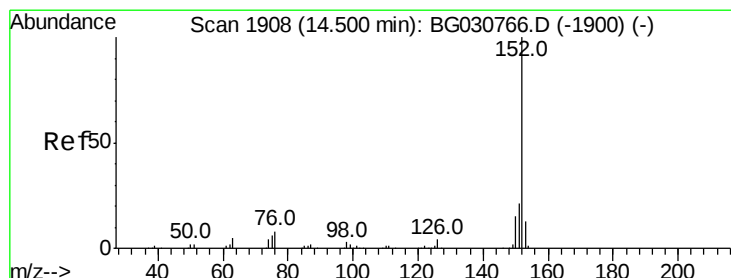
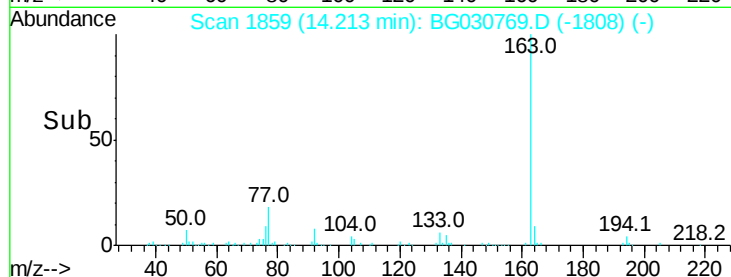
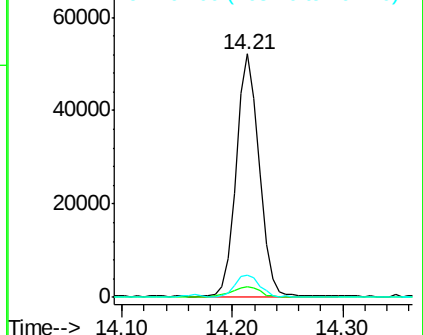
163 100

194 4.2 3.5 5.3

164 9.3 7.6 11.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 2.686 ng/ul

RT: 14.50 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

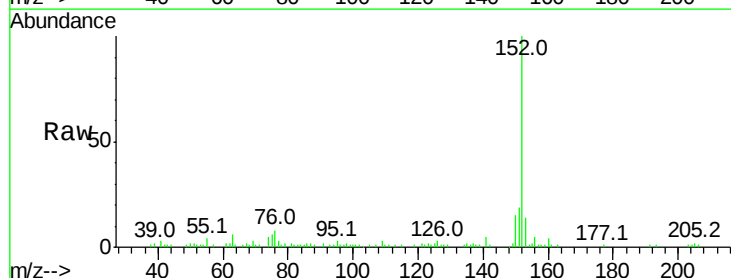
Tgt Ion:152 Resp: 54582

Ion Ratio Lower Upper

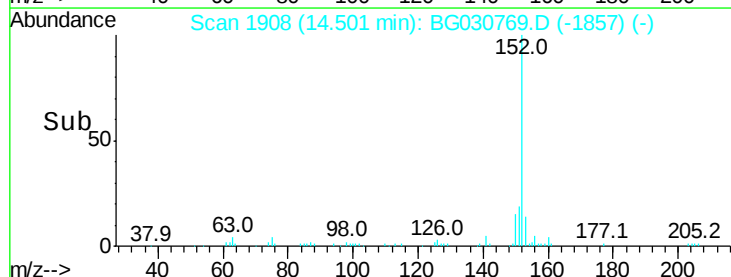
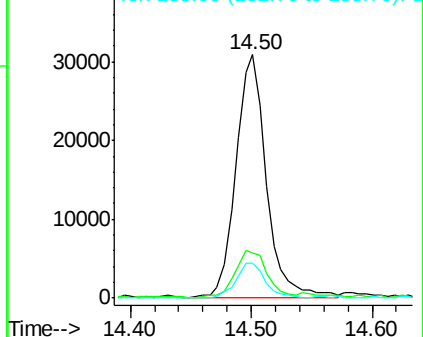
152 100

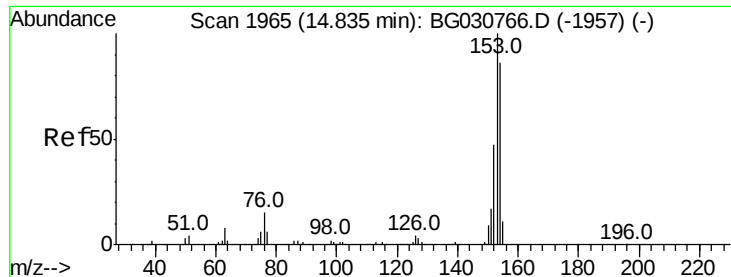
151 18.8 15.2 22.8

153 14.1 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: 2.371 ng/ul

RT: 14.84 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Instrument :

BNA_G

ClientSampleId :

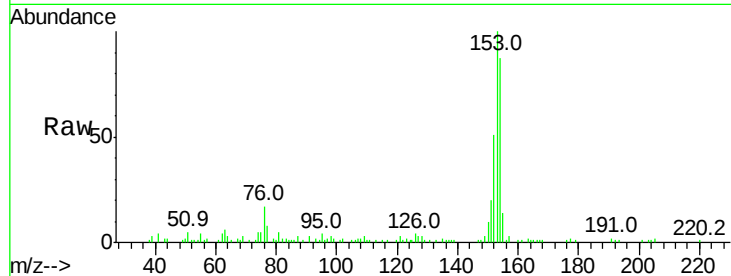
Tot Ion:153 Resp: 32955

Ion Ratio Lower Upper

153 100

152 50.8 38.2 57.2

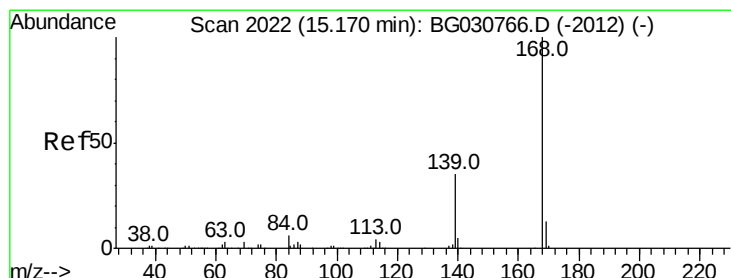
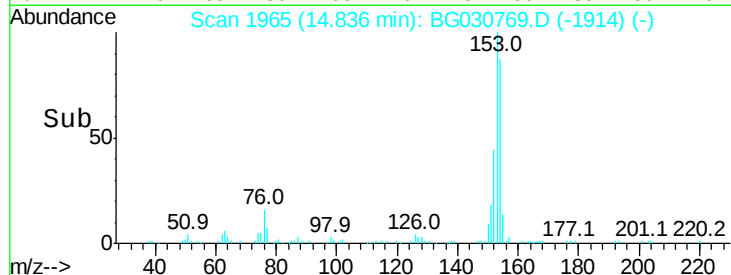
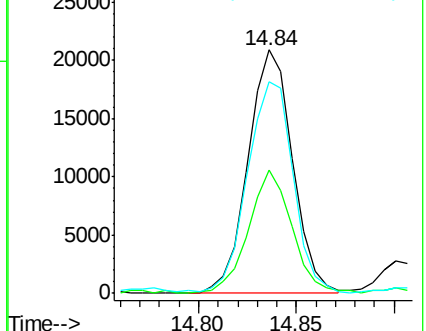
154 86.7 70.6 105.8



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

Dibenzofuran

Concen: 2.087 ng/ul

RT: 15.17 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BG030769.D

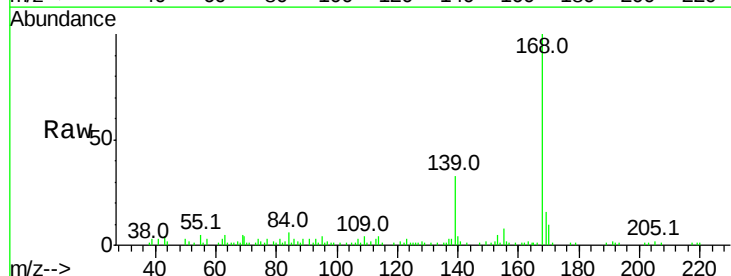
Acq: 6 Nov 2017 11:25

Tgt Ion:168 Resp: 39662

Ion Ratio Lower Upper

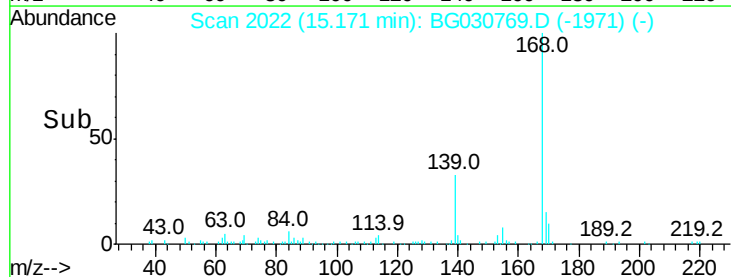
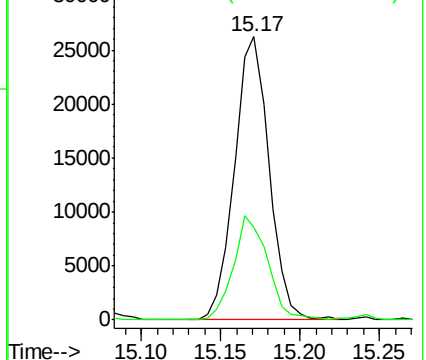
168 100

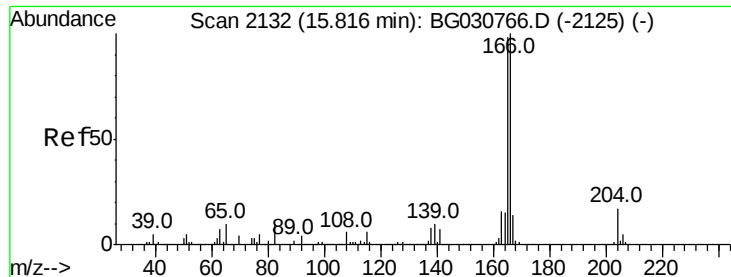
139 32.7 31.4 47.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.794 ng/ul

RT: 15.82 min Scan# 2132

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

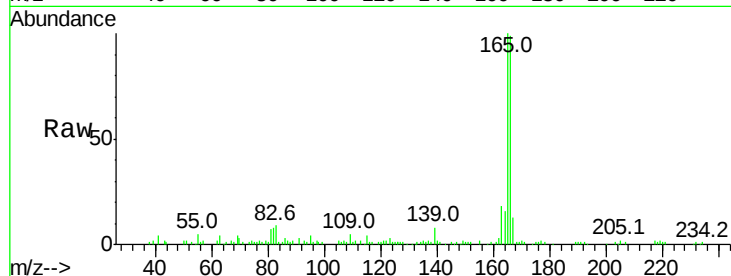
Instrument :

BNA_G

ClientSampleId :

Tot Ion:166 Resp: 57514

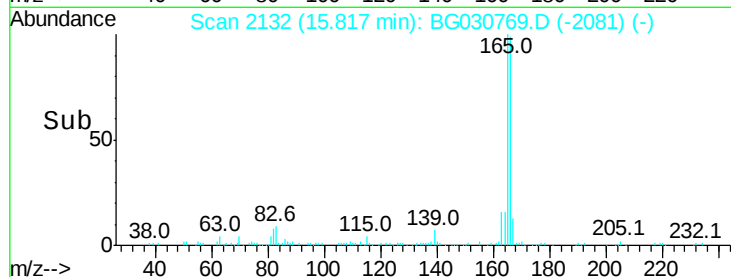
Ion	Ratio	Lower	Upper
166	100		
165	101.5	79.9	119.9
167	13.5	10.6	16.0



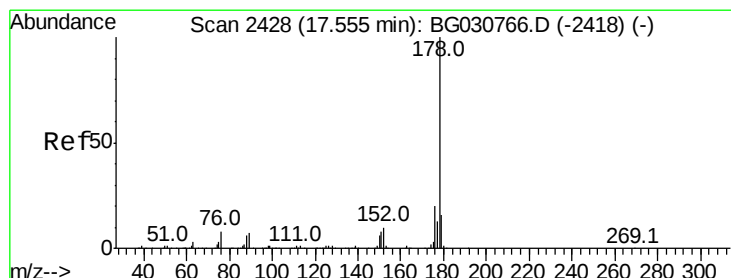
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#69

Phenanthrene

Concen: 29.391 ng/ul

RT: 17.56 min Scan# 2428

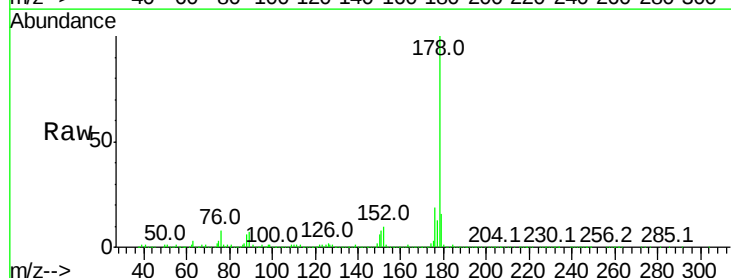
Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Tgt Ion:178 Resp: 729222

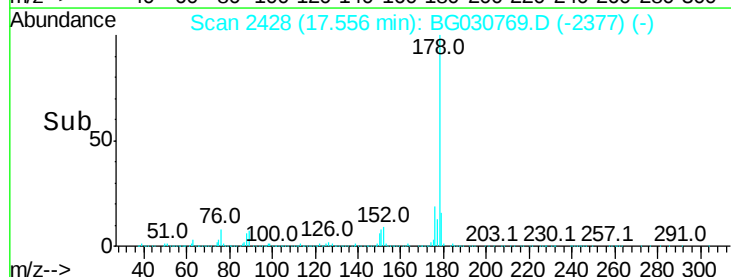
Ion	Ratio	Lower	Upper
178	100		
179	16.2	13.0	19.6
176	19.5	15.3	22.9



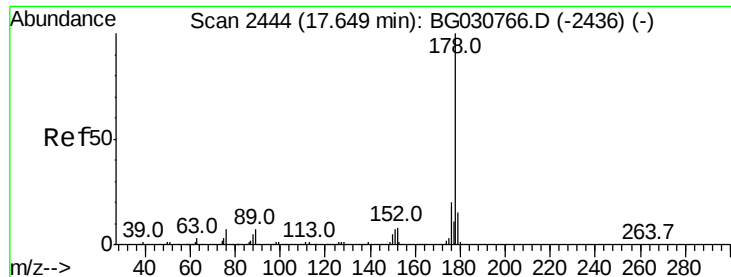
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



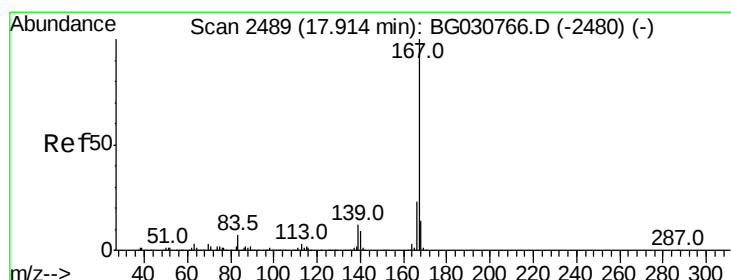
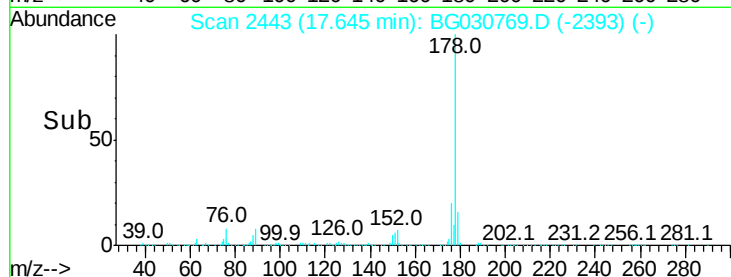
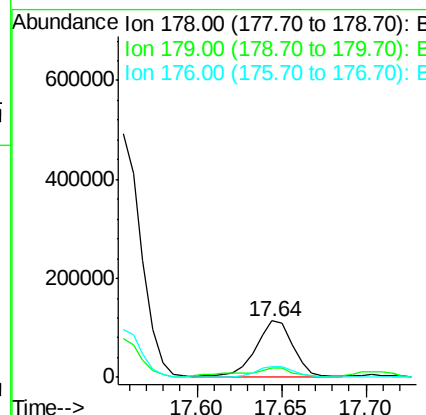
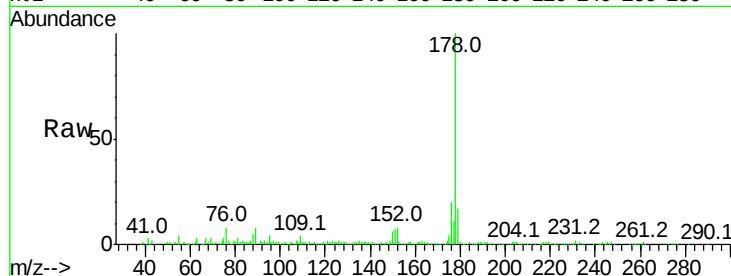
Time-->



#71
 Anthracene
 Concen: 6.880 ng/ul
 RT: 17.64 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG030769.D
 Acq: 6 Nov 2017 11:25

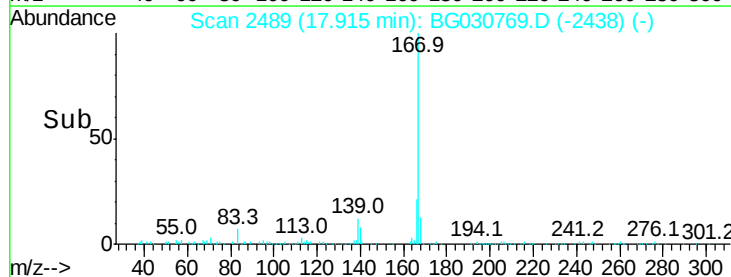
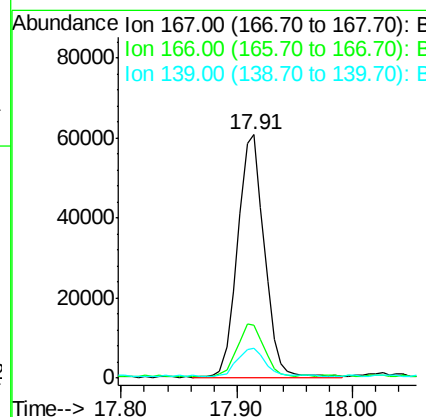
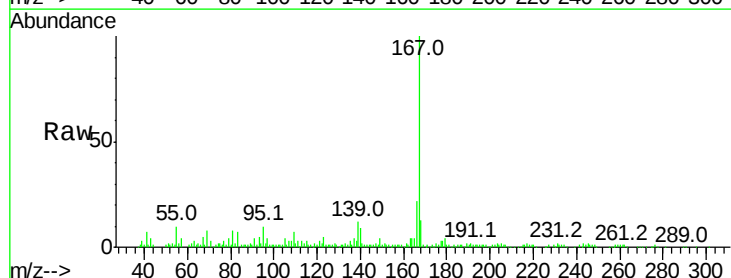
Instrument :
 BNA_G
 ClientSampleId :

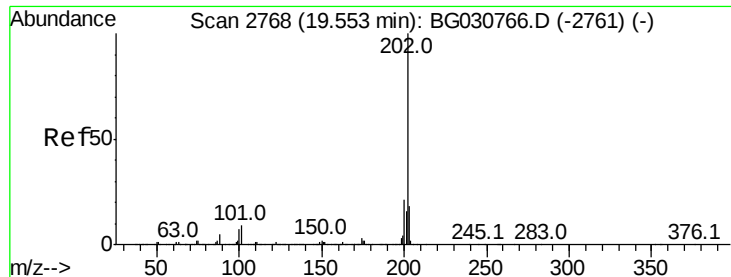
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.7	13.2	19.8
176	20.0	16.0	24.0



#72
 Carbazole
 Concen: 4.228 ng/ul
 RT: 17.91 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: BG030769.D
 Acq: 6 Nov 2017 11:25

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.6	28.0
139	12.3	10.6	16.0





#74

Fluoranthene

Concen: 37.152 ng/ul

RT: 19.55 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

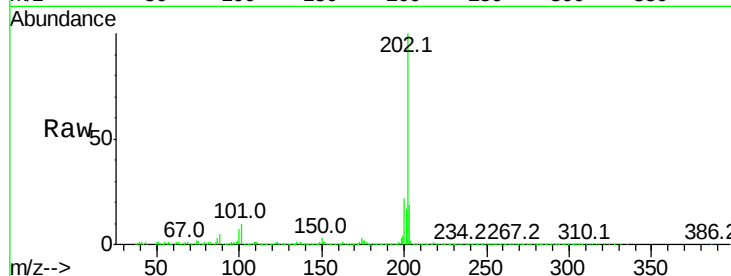
Instrument :

BNA_G

ClientSampleId :

Tot Ion:202 Resp: 1030179

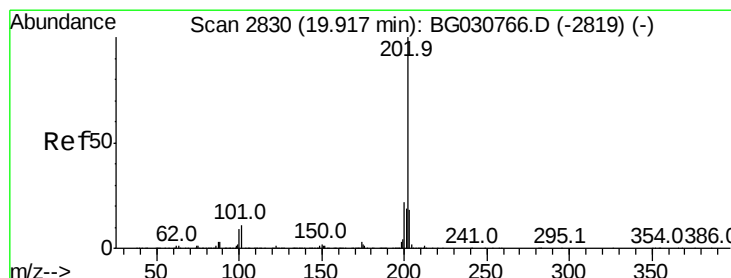
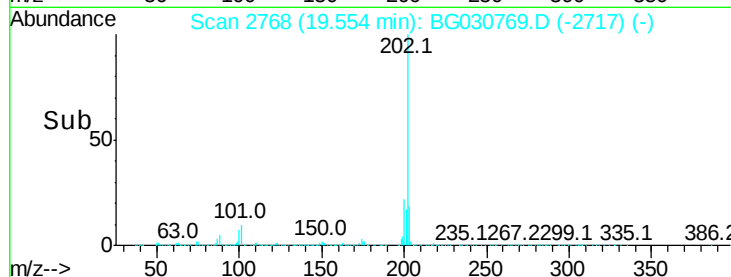
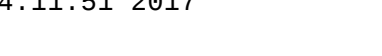
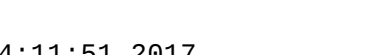
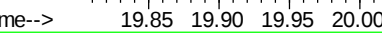
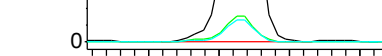
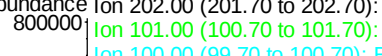
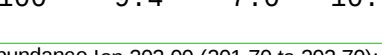
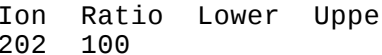
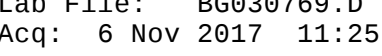
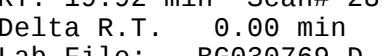
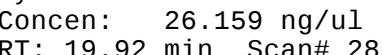
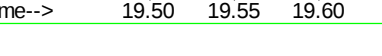
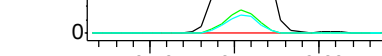
Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.4	11.2
100	7.5	5.6	8.4



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



#77

Pyrene

Concen: 26.159 ng/ul

RT: 19.92 min Scan# 2830

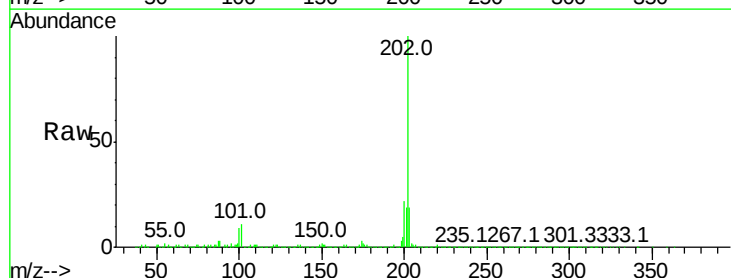
Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Tgt Ion:202 Resp: 876713

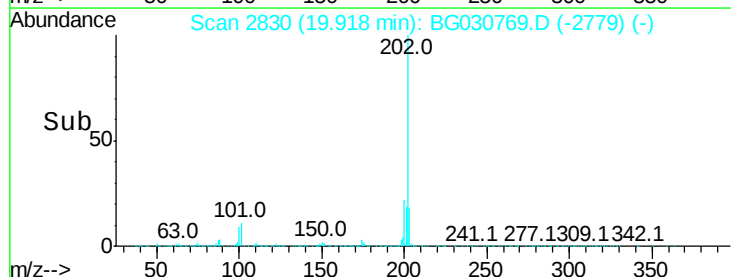
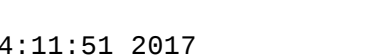
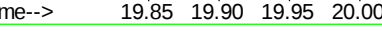
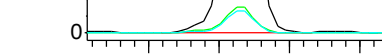
Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.4	12.6
100	9.4	7.0	10.6

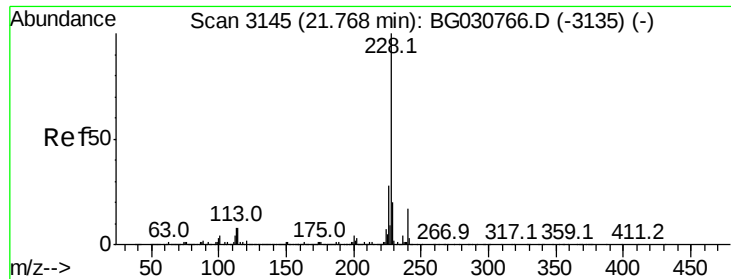


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 16.670 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Instrument :

BNA_G

ClientSampleId :

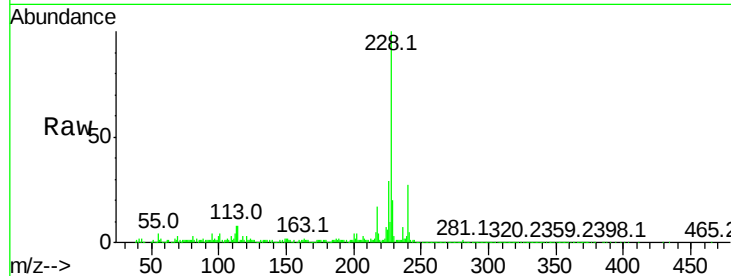
Tot Ion:228 Resp: 522397

Ion	Ratio	Lower	Upper
228	100		
229	20.5	16.2	24.4
226	29.2	22.2	33.2

228 100

229 20.5 16.2 24.4

226 29.2 22.2 33.2

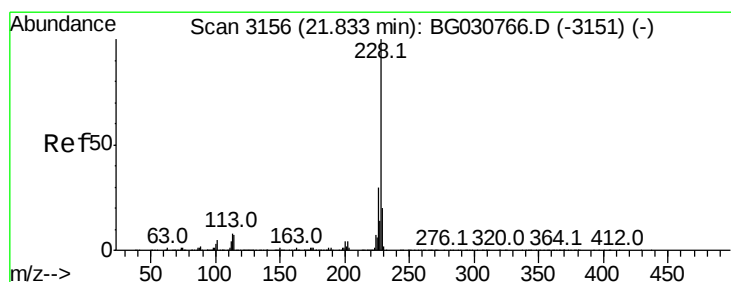
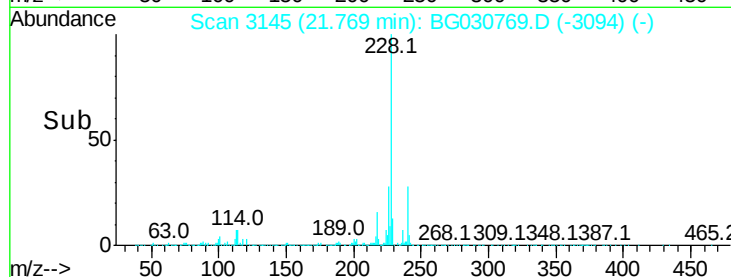
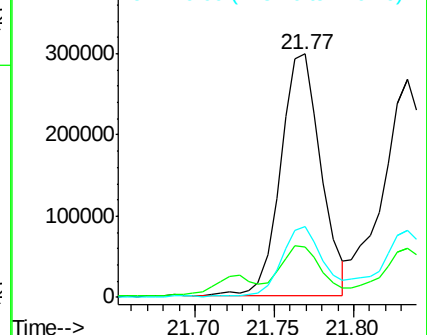


Abundance

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



#82

Chrysene

Concen: 17.324 ng/ul

RT: 21.83 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

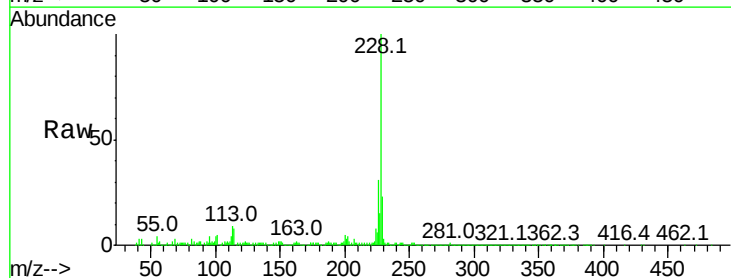
Tgt Ion:228 Resp: 493287

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	22.7	15.2	22.8

228 100

226 30.6 24.2 36.2

229 22.7 15.2 22.8

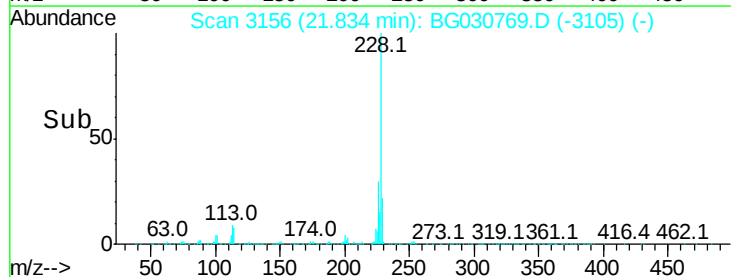
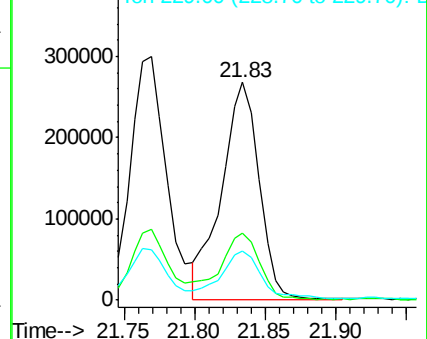


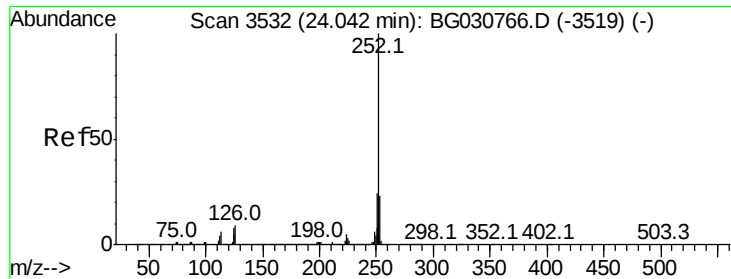
Abundance

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





#85

Benzo(b)fluoranthene

Concen: 22.228 ng/ul

RT: 24.04 min Scan# 3532

Delta R.T. 0.00 min

Lab File: BG030769.D

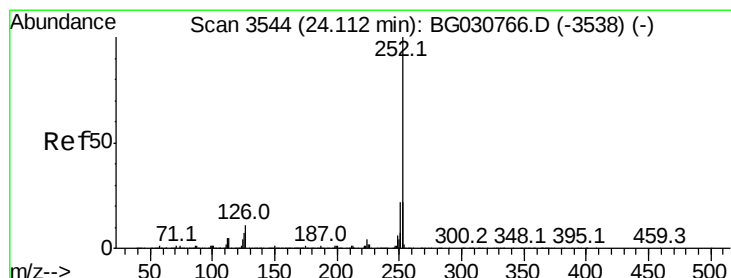
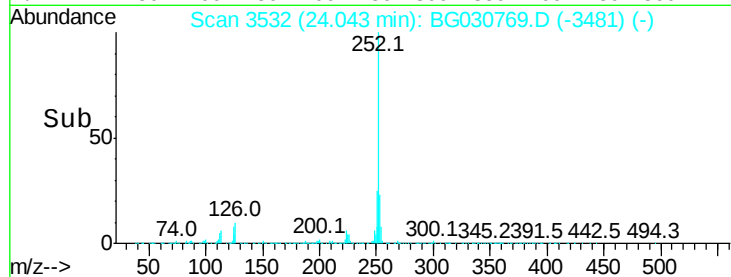
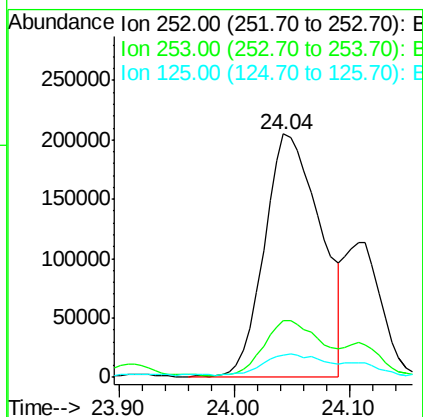
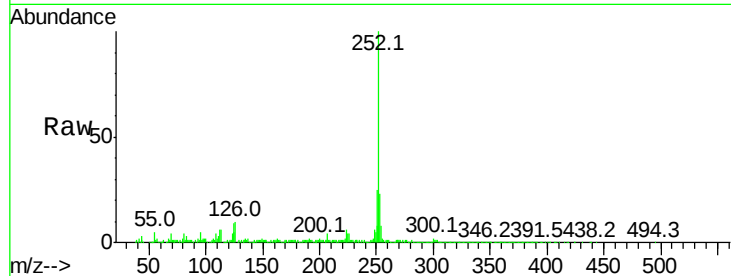
Acq: 6 Nov 2017 11:25

Instrument :

BNA_G

ClientSampled :

Tot Ion:252	Resp:	690327
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.0 25.4
125	9.0	7.5 11.3



#86

Benzo(k)fluoranthene

Concen: 22.990 ng/ul

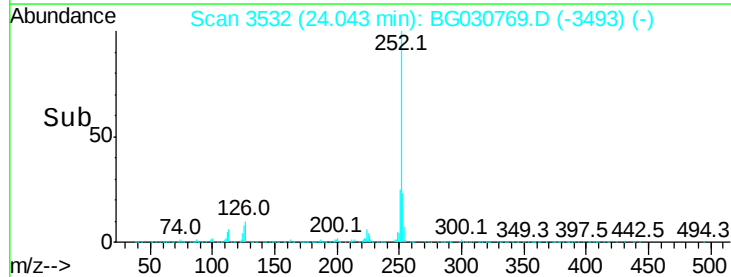
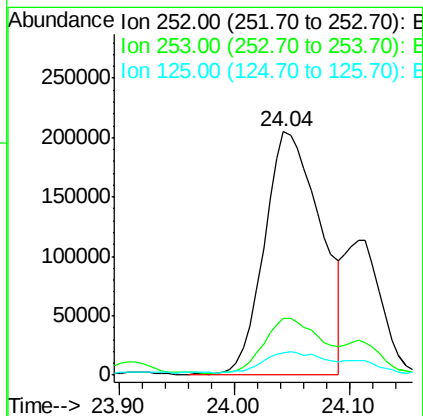
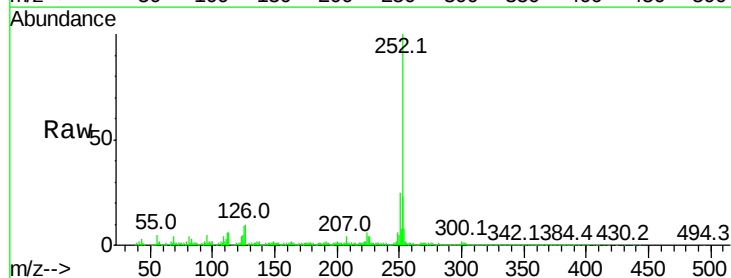
RT: 24.04 min Scan# 3532

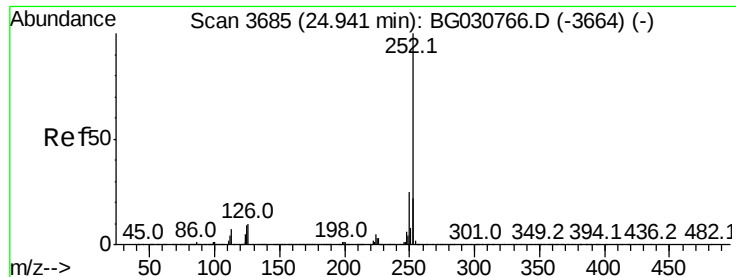
Delta R.T. -0.07 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Tgt Ion:252	Resp:	690327
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.2 25.8
125	9.0	7.8 11.8





#88

Benzo(a)pyrene

Concen: 16.883 ng/ul

RT: 24.94 min Scan# 3685

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Instrument :

BNA_G

ClientSampleId :

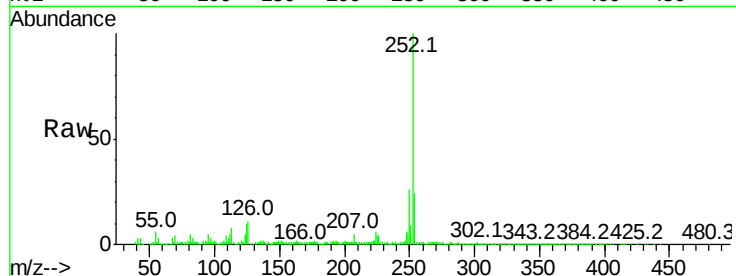
Tot Ion:252 Resp: 510400

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

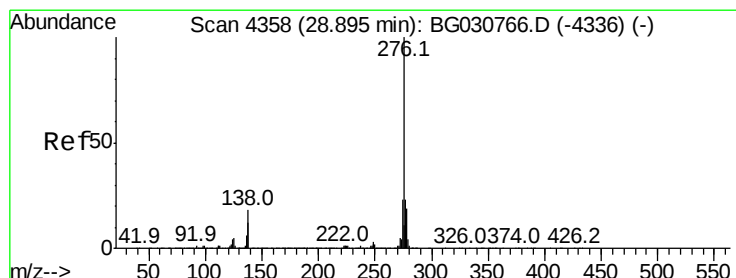
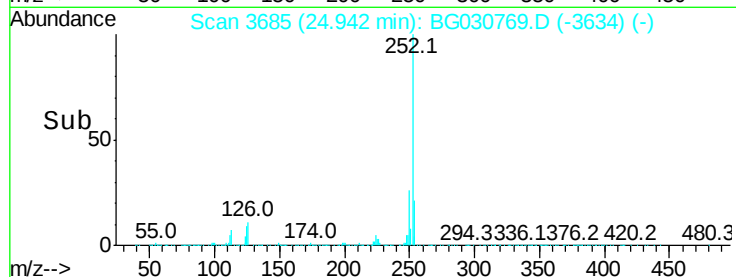
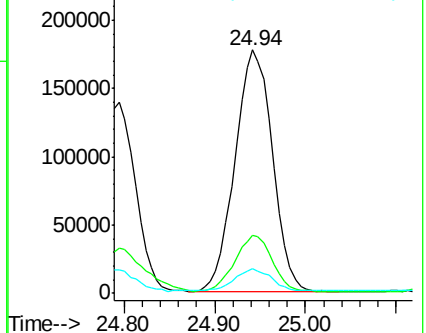
125 10.0 7.8 11.8



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: 12.942 ng/ul

RT: 28.90 min Scan# 4359

Delta R.T. 0.01 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

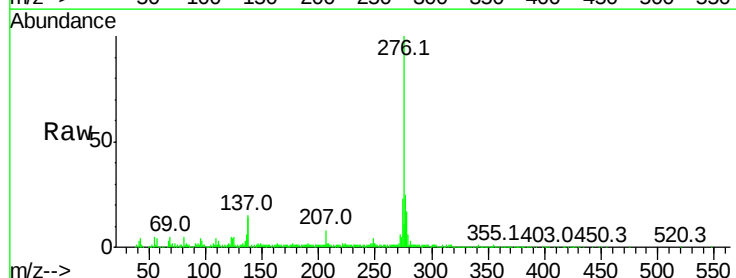
Tgt Ion:276 Resp: 442633

Ion Ratio Lower Upper

276 100

138 14.5 13.4 20.0

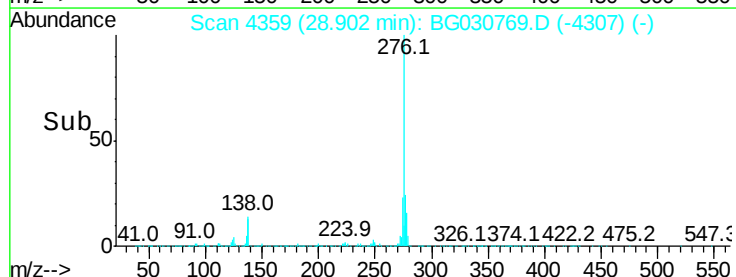
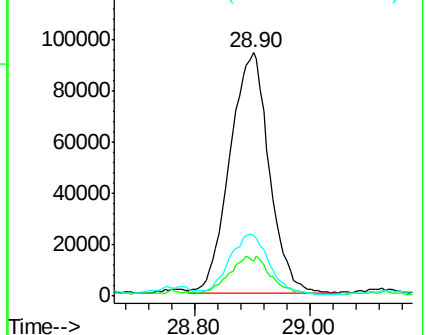
277 24.9 18.6 28.0

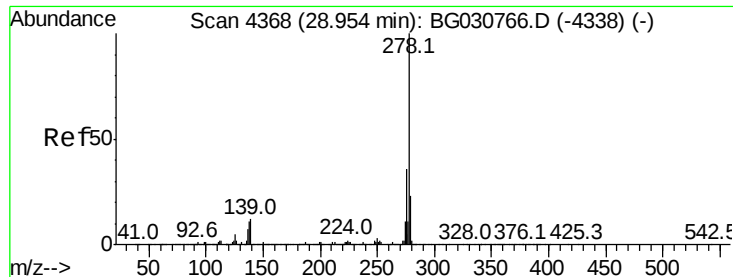


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.847 ng/ul

RT: 28.92 min Scan# 4362

Delta R.T. -0.03 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Instrument :

BNA_G

ClientSampleId :

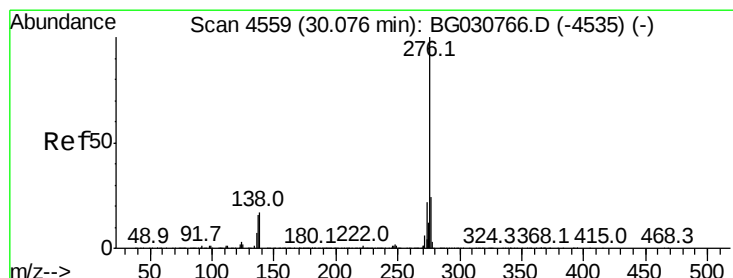
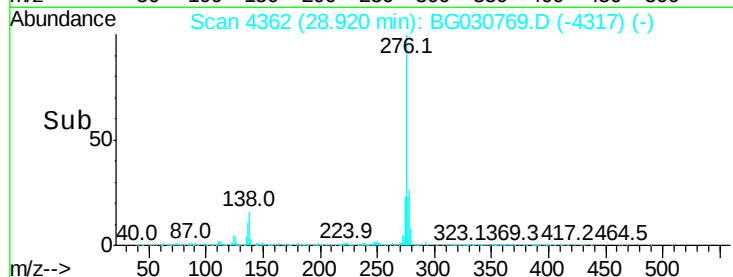
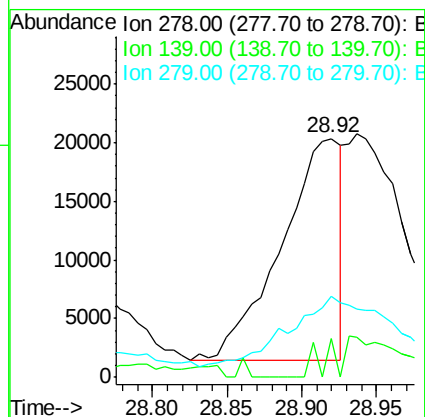
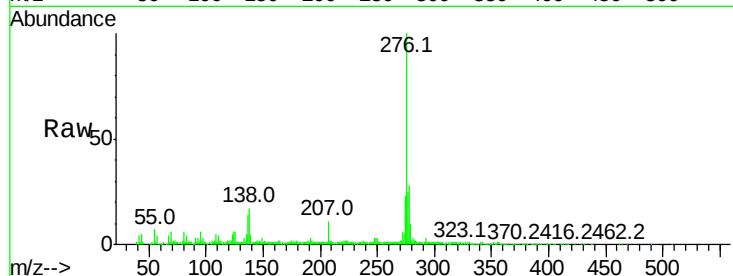
Tot Ion:278 Resp: 52481

Ion Ratio Lower Upper

278 100

139 16.2 9.4 14.2#

279 34.0 18.4 27.6#



#91

Benzo(g,h,i)perylene

Concen: 14.823 ng/ul

RT: 30.09 min Scan# 4561

Delta R.T. 0.01 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Tgt Ion:276 Resp: 420241

Ion Ratio Lower Upper

276 100

138 15.7 12.1 18.1

277 23.6 17.7 26.5

