

Data File : BG030753.D
Acq On : 6 Nov 2017 00:22
Operator : SJ/JU
Sample : I6107-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0EA2

Quant Time: Nov 06 01:28:09 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	8.16	152	82356	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	375118	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	237648	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	508994	20.00	ng/ul	0.00
75) Chrysene-d12	21.80	240	533883	20.00	ng/ul	0.02
83) Perylene-d12	24.91	264	827004	20.00	ng/ul	-0.17

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	8031	3.96	ng/uL	0.00
5) Phenol-d5	7.31	99	179952	22.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	105073	21.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	151749	27.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	150663	23.60	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	74867	27.80	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	90897	32.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	167725	26.68	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	56997	7.80	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	523604	25.77	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	660325	26.72	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	78989	21.06	ng/ul	0.00
57) Fluorene-d10	15.76	176	492328	29.59	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	45047	18.13	ng/ul	0.01
70) Anthracene-d10	17.61	188	740161	30.75	ng/ul	0.01
76) Pyrene-d10	19.89	212	804198	29.10	ng/ul	0.02
87) Benzo(a)pyrene-d12	24.91	264	822792	21.01	ng/ul	0.05

Target Compounds

						Qvalue
6) Phenol	7.34	94	37290	4.56	ng/ul	90
16) 4-Methylphenol	8.92	108	7248	1.09	ng/ul	89
28) Naphthalene	11.02	128	216655	10.92	ng/ul	100
34) 2-Methylnaphthalene	12.61	142	84605	5.15	ng/ul	96
40) 1,1'-Biphenyl	13.61	154	30271	1.54	ng/ul	97
44) Dimethylphthalate	14.21	163	419213	21.15	ng/ul	98
47) Acenaphthylene	14.49	152	271899	10.79	ng/ul	95
49) Acenaphthene	14.84	153	193988	11.25	ng/ul	96
53) Dibenzofuran	15.16	168	218830	9.28	ng/ul	94
58) Fluorene	15.82	166	307938	16.37	ng/ul	95
60) 4-Nitroaniline	15.81	138	4727	1.02	ng/ul#	82
69) Phenanthrene	17.65	178	861802	31.32	ng/ul	98
71) Anthracene	17.65	178	861802	30.36	ng/ul	99
72) Carbazole	17.91	167	479093	18.77	ng/ul	99
74) Fluoranthene	19.71	202	131681	4.28	ng/ul	97
77) Pyrene	19.92	202	3380449	94.48	ng/ul#	89
80) Benzo(a)anthracene	21.78	228	2409134	72.00	ng/ul	91
82) Chrysene	21.84	228	2337319	76.88	ng/ul#	88
86) Benzo(k)fluoranthene	24.08	252	3185031	66.35	ng/ul	94
88) Benzo(a)pyrene	24.83	252	1863444	38.56	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	28.54	276	418549	7.66	ng/ul	95

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110517\
Quantitation Report (Not Reviewed)

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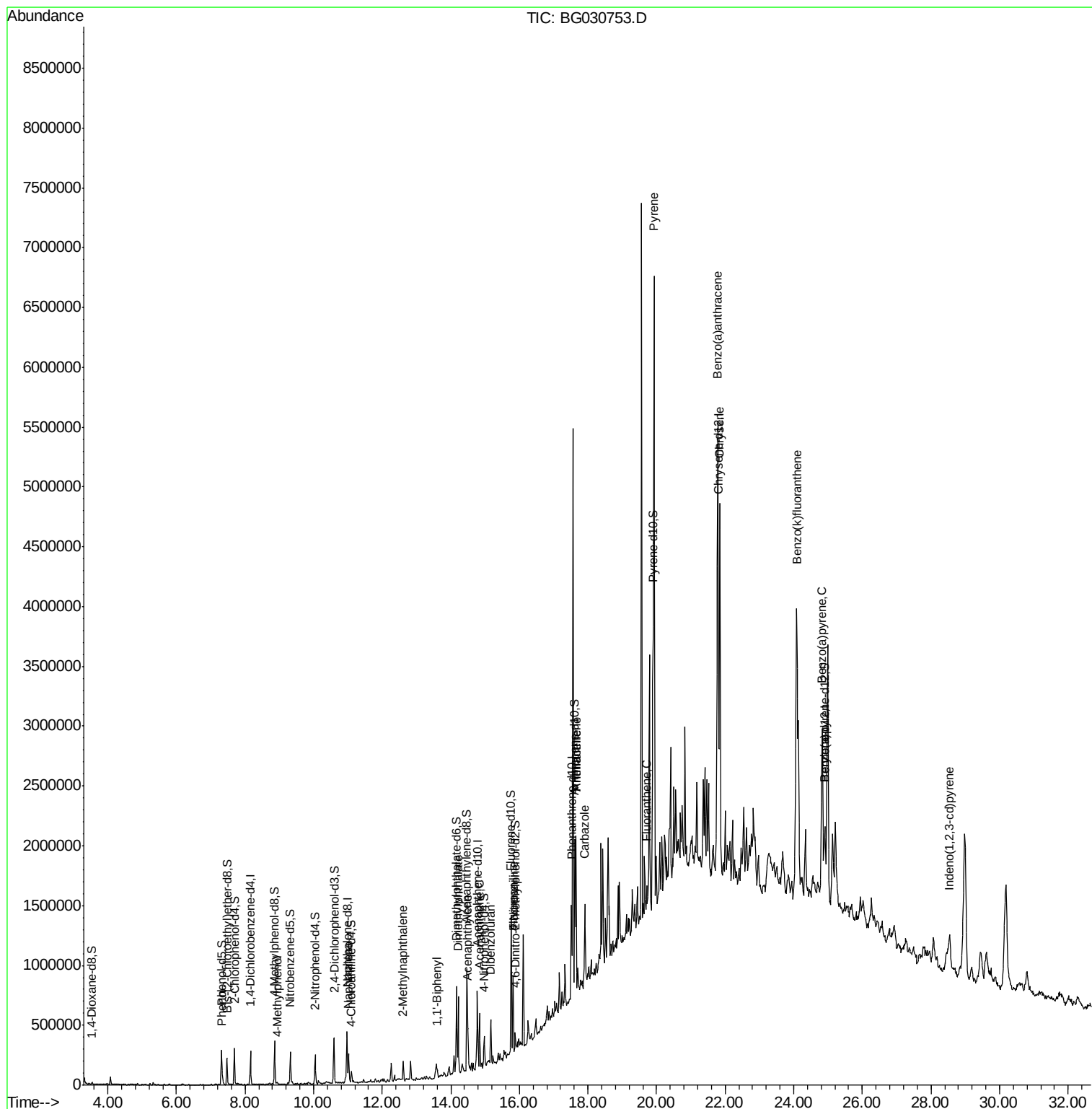
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

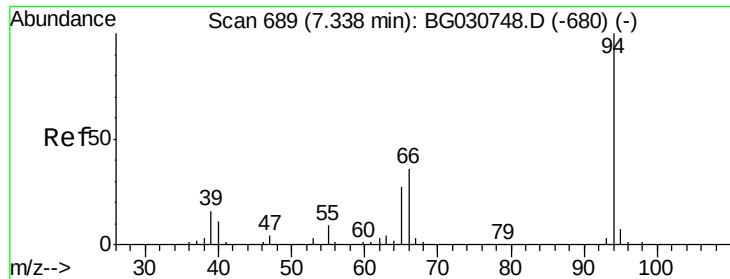
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#6

Phenol

Concen: 4.56 ng/ul

RT: 7.34 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

Instrument :

BNA_G

ClientSampleId :

B0EA2

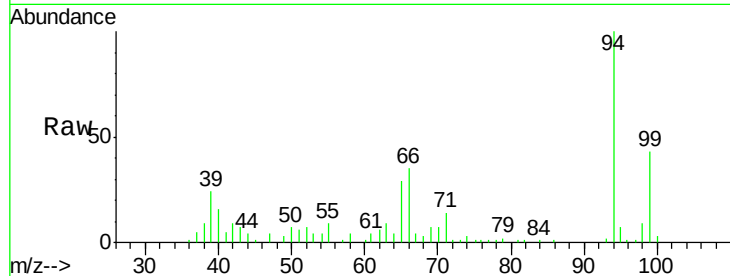
Tgt Ion: 94 Resp: 37290

Ion Ratio Lower Upper

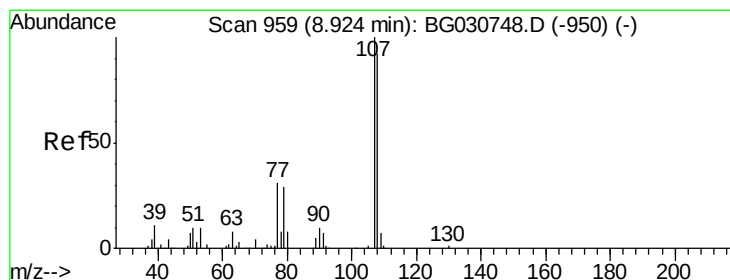
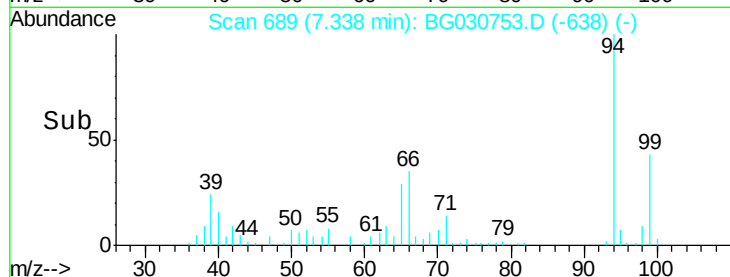
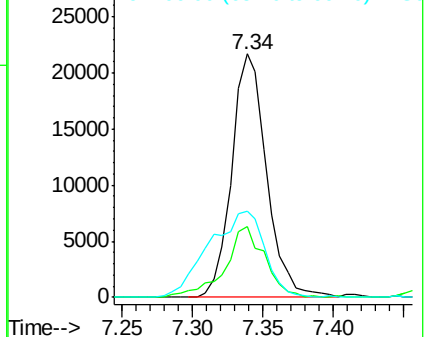
94 100

65 29.3 27.1 40.7

66 35.4 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



#16

4-Methylphenol

Concen: 1.09 ng/ul

RT: 8.92 min Scan# 959

Delta R.T. 0.00 min

Lab File: BG030753.D

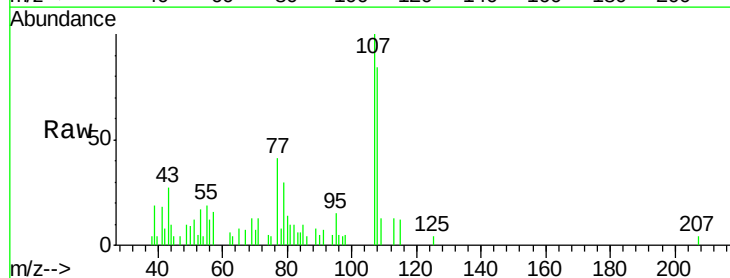
Acq: 6 Nov 2017 00:22

Tgt Ion: 108 Resp: 7248

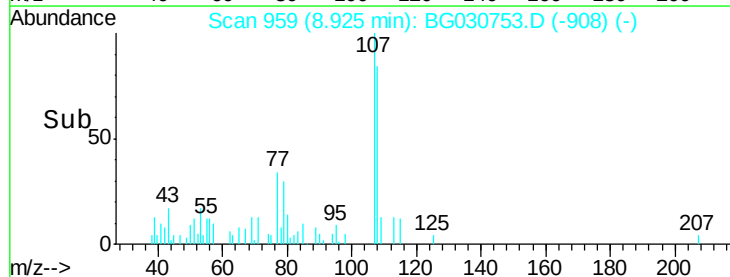
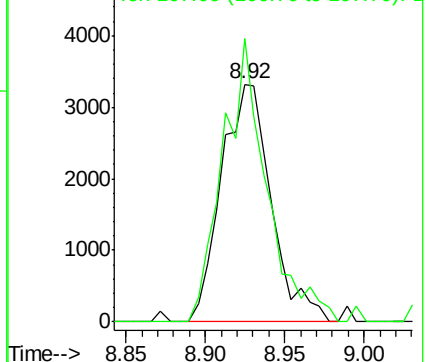
Ion Ratio Lower Upper

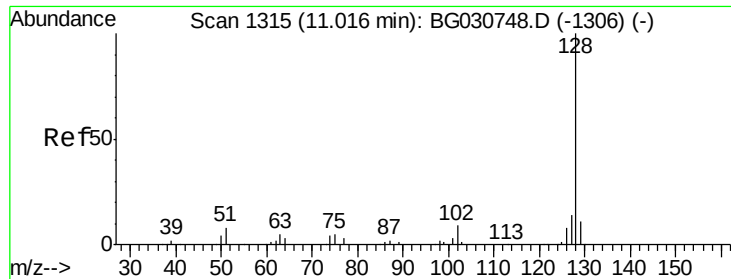
108 100

107 119.2 86.5 129.7



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

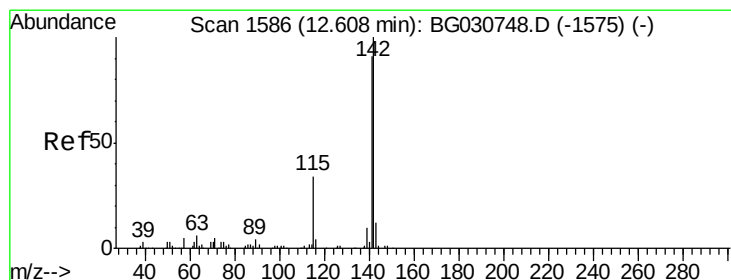
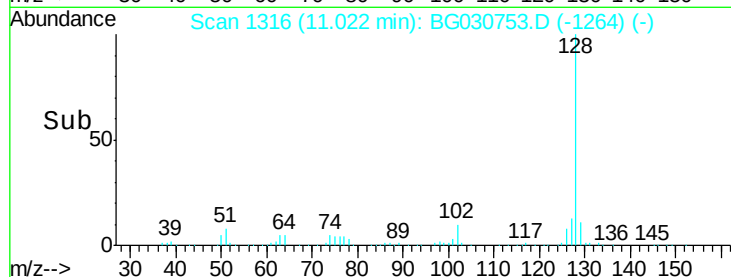
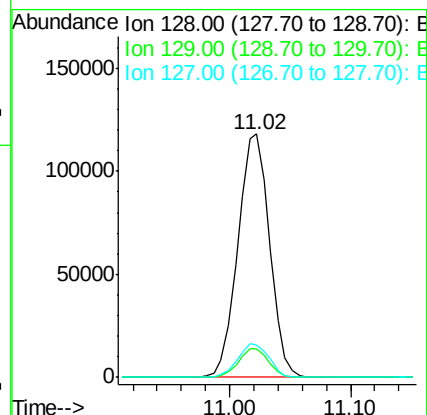
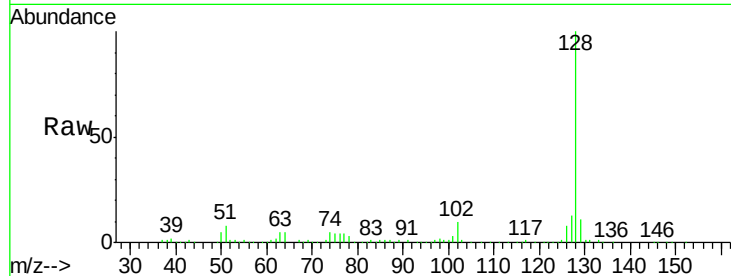




#28
Naphthalene
Concen: 10.92 ng/ul
RT: 11.02 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

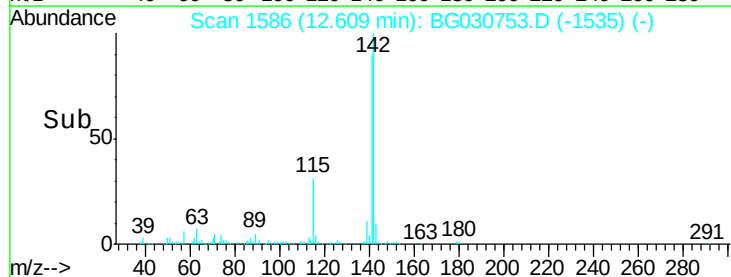
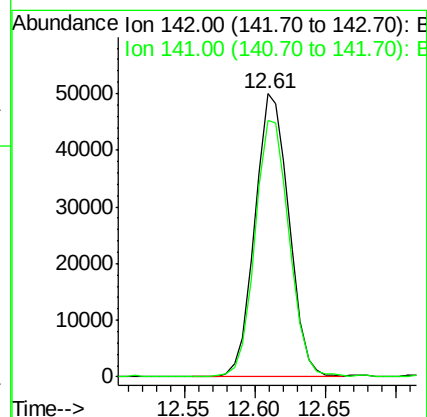
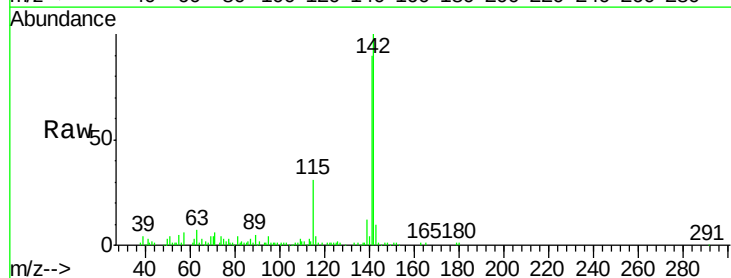
Instrument :
BNA_G
ClientSampleId :
B0EA2

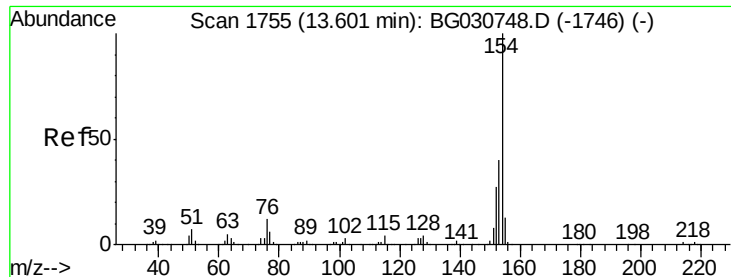
Tgt Ion:128 Resp: 216655
Ion Ratio Lower Upper
128 100
129 11.5 9.3 13.9
127 13.4 10.7 16.1



#34
2-Methylnaphthalene
Concen: 5.15 ng/ul
RT: 12.61 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

Tgt Ion:142 Resp: 84605
Ion Ratio Lower Upper
142 100
141 90.5 75.4 113.0

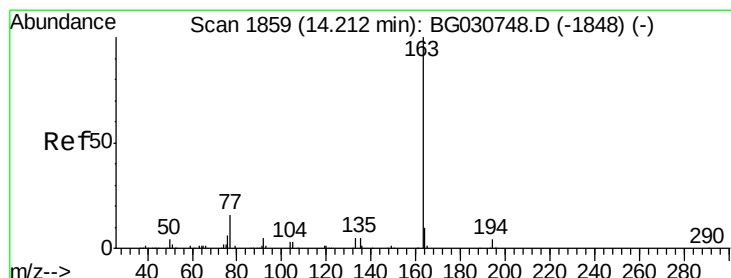
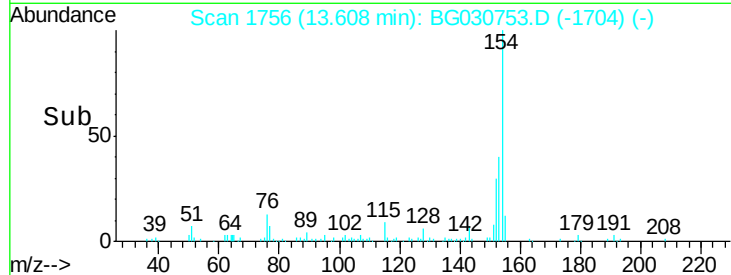
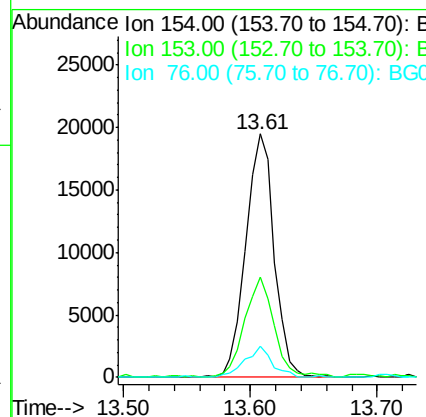
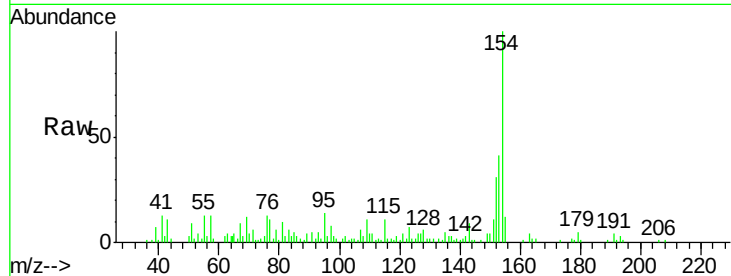




#40
 1,1'-Biphenyl
 Concen: 1.54 ng/ul
 RT: 13.61 min Scan# 1756
 Delta R.T. 0.01 min
 Lab File: BG030753.D
 Acq: 6 Nov 2017 00:22

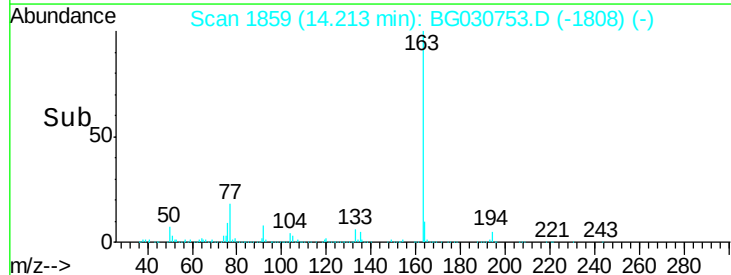
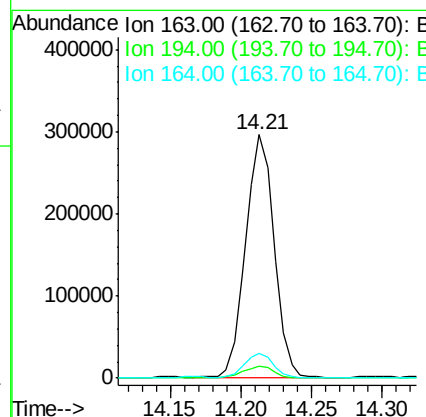
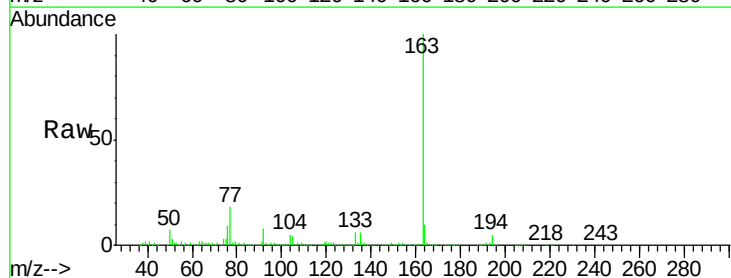
Instrument :
 BNA_G
 ClientSampleId :
 B0EA2

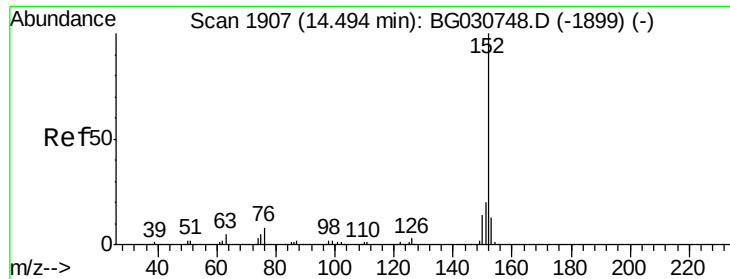
Tgt Ion:154 Resp: 30271
 Ion Ratio Lower Upper
 154 100
 153 40.9 34.6 52.0
 76 13.0 10.6 15.8



#44
 Dimethylphthalate
 Concen: 21.15 ng/ul
 RT: 14.21 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: BG030753.D
 Acq: 6 Nov 2017 00:22

Tgt Ion:163 Resp: 419213
 Ion Ratio Lower Upper
 163 100
 194 4.8 3.5 5.3
 164 10.4 7.6 11.4

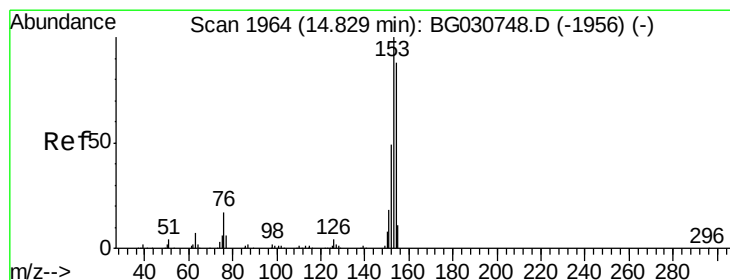
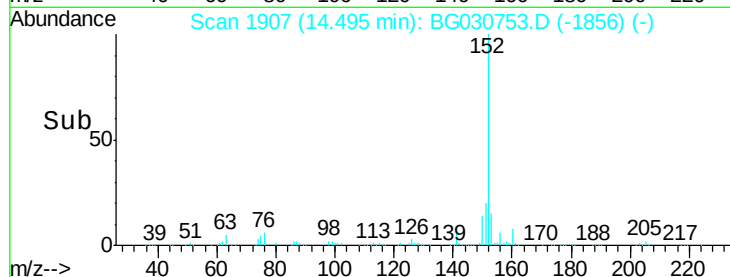
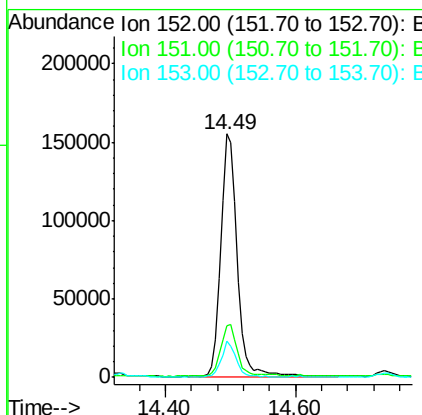
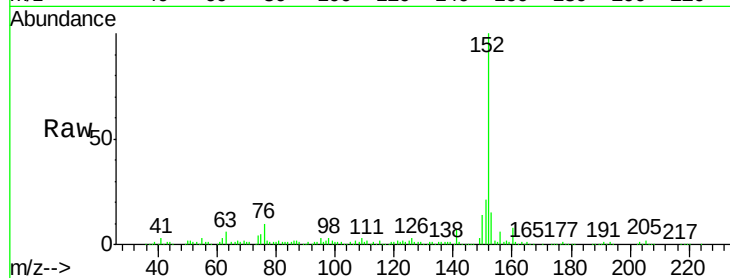




#47
Acenaphthylene
Concen: 10.79 ng/ul
RT: 14.49 min Scan# 1907
Delta R.T. 0.00 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

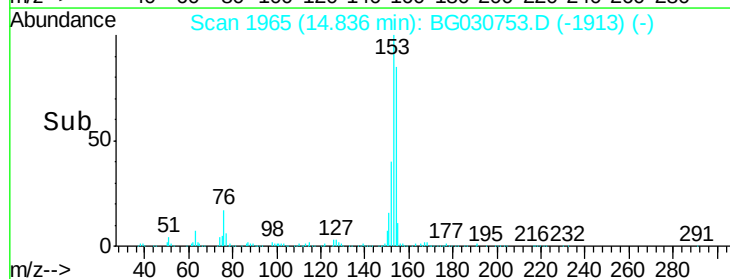
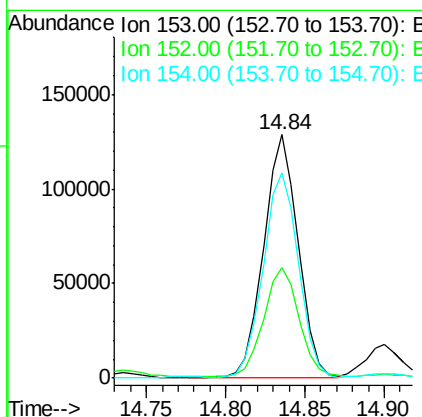
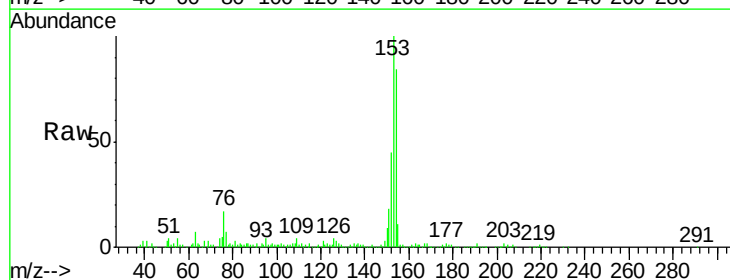
Instrument :
BNA_G
ClientSampleId :
B0EA2

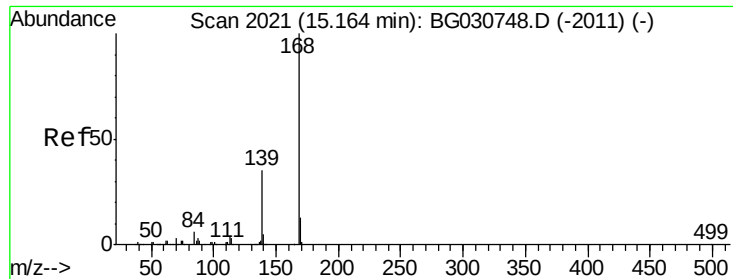
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.2	22.8
153	14.9	10.2	15.4



#49
Acenaphthene
Concen: 11.25 ng/ul
RT: 14.84 min Scan# 1965
Delta R.T. 0.01 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.5	38.2	57.2
154	84.4	70.6	105.8





#53

Dibenzenofuran

Concen: 9.28 ng/ul

RT: 15.16 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

Instrument :

BNA_G

ClientSampleId :

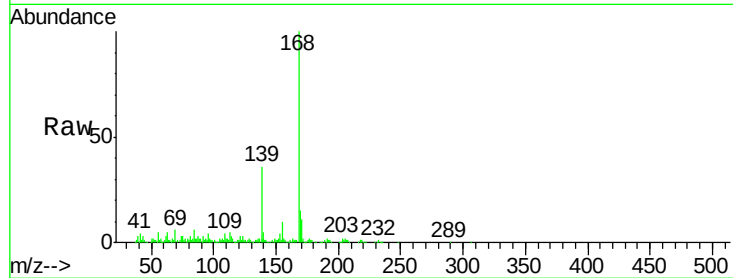
B0EA2

Tgt Ion:168 Resp: 218830

Ion Ratio Lower Upper

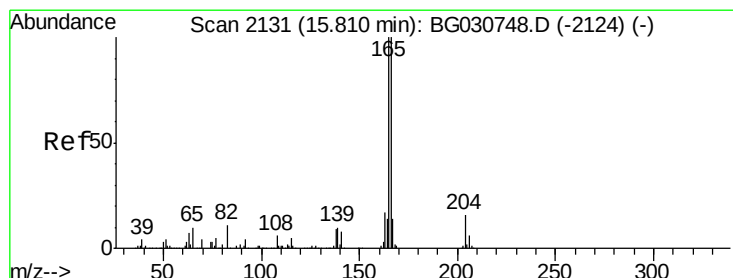
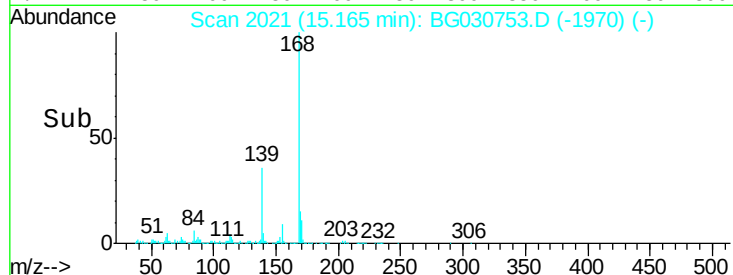
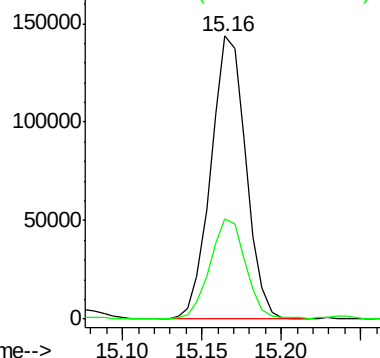
168 100

139 35.6 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: 16.37 ng/ul

RT: 15.82 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

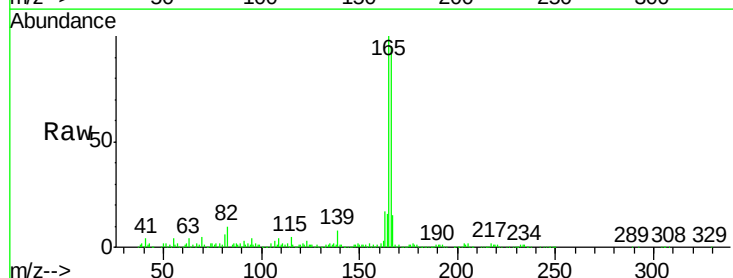
Tgt Ion:166 Resp: 307938

Ion Ratio Lower Upper

166 100

165 105.0 79.9 119.9

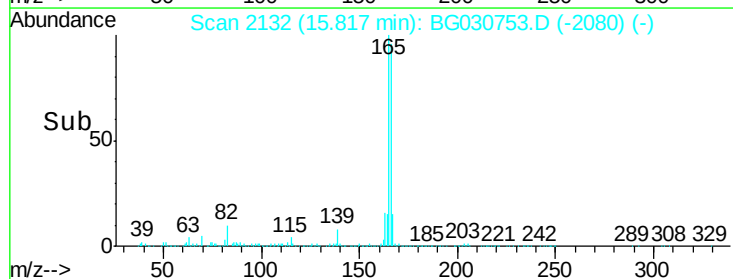
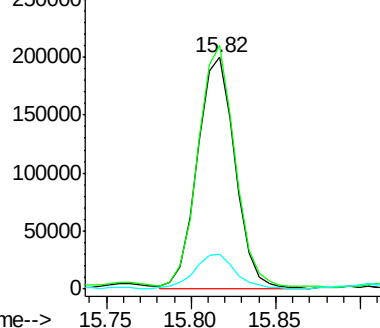
167 15.4 10.6 16.0

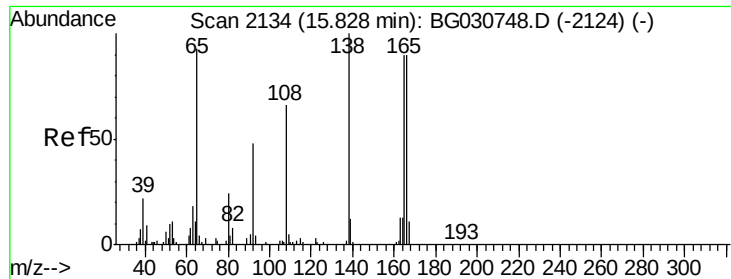


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

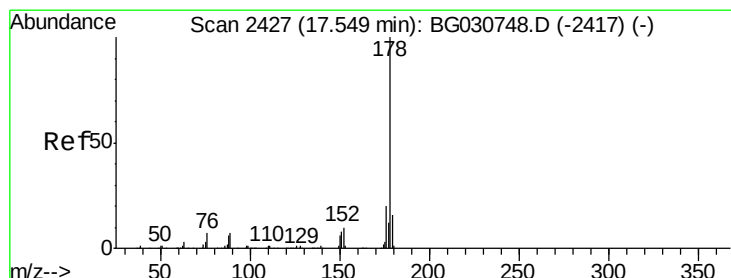
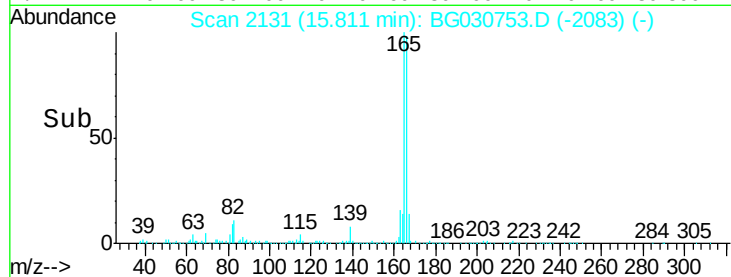
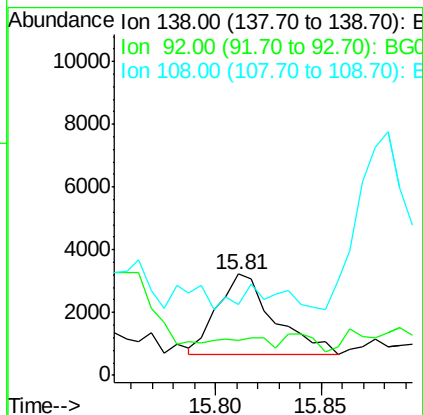
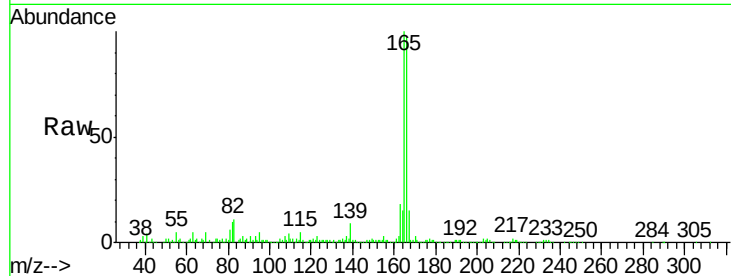




#60
4-Nitroaniline
Concen: 1.02 ng/ul
RT: 15.81 min Scan# 2131
Delta R.T. -0.02 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

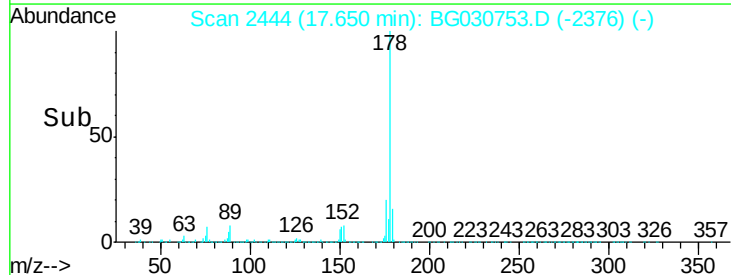
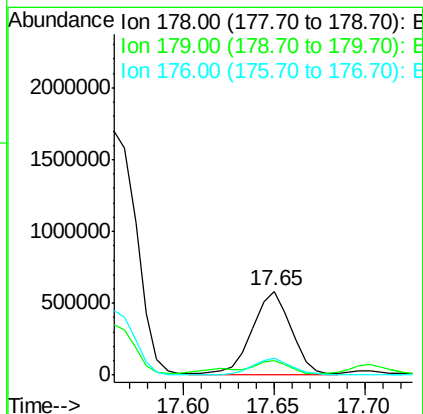
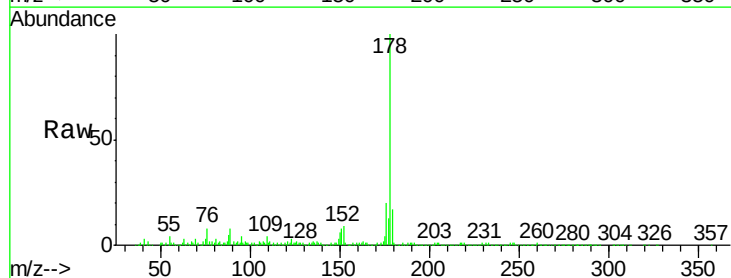
Instrument :
BNA_G
ClientSampleId :
B0EA2

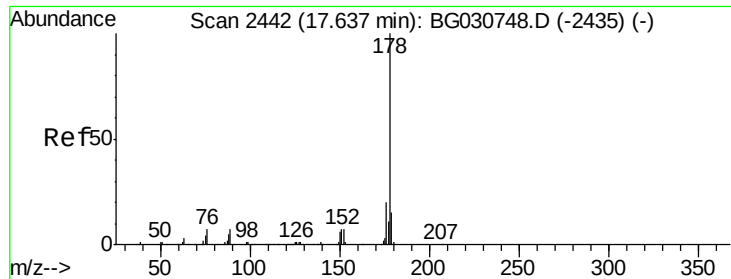
Tgt Ion:138 Resp: 4727
Ion Ratio Lower Upper
138 100
92 34.1 44.2 66.2#
108 70.1 63.7 95.5



#69
Phenanthrene
Concen: 31.32 ng/ul
RT: 17.65 min Scan# 2444
Delta R.T. 0.10 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

Tgt Ion:178 Resp: 861802
Ion Ratio Lower Upper
178 100
179 16.8 13.0 19.6
176 20.4 15.3 22.9

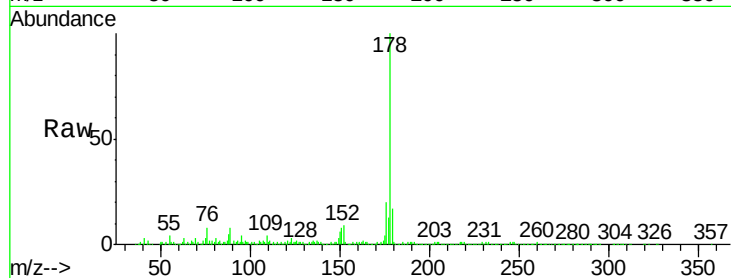




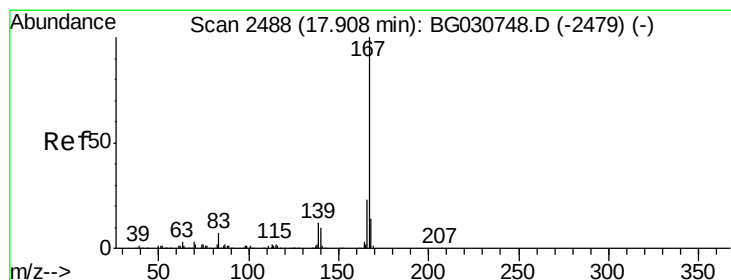
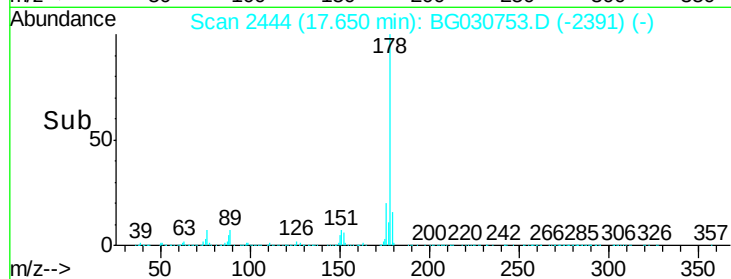
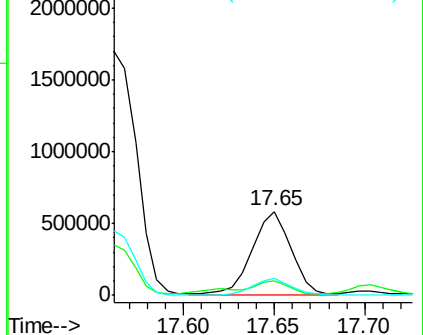
#71
 Anthracene
 Concen: 30.36 ng/ul
 RT: 17.65 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BG030753.D
 Acq: 6 Nov 2017 00:22

Instrument :
 BNA_G
 ClientSampleId :
 B0EA2

Tgt Ion:178 Resp: 861802
 Ion Ratio Lower Upper
 178 100
 179 16.8 13.2 19.8
 176 20.4 16.0 24.0

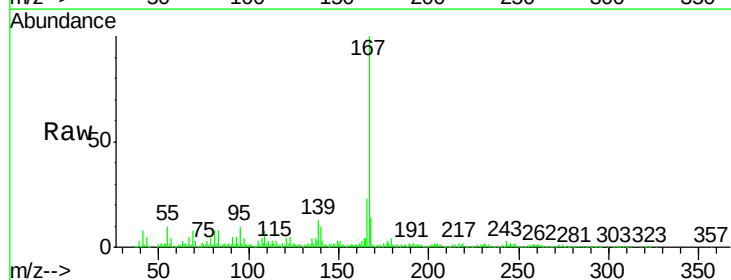


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

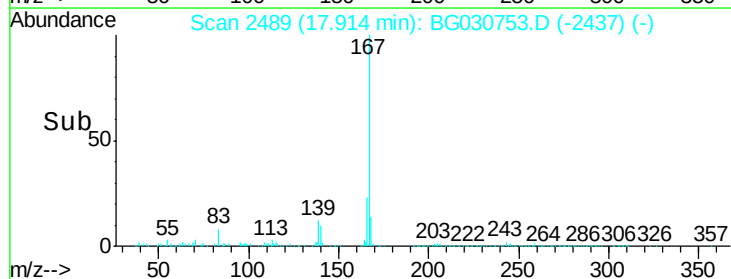
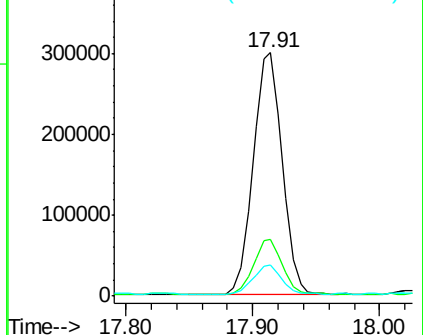


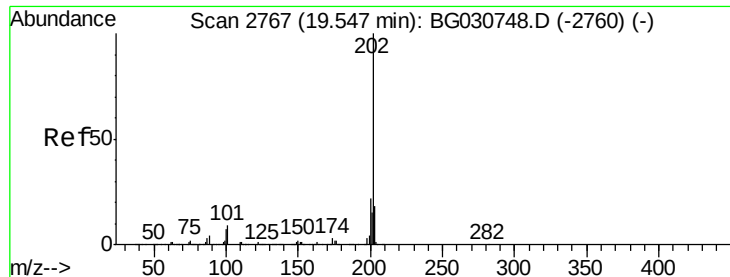
#72
 Carbazole
 Concen: 18.77 ng/ul
 RT: 17.91 min Scan# 2489
 Delta R.T. 0.01 min
 Lab File: BG030753.D
 Acq: 6 Nov 2017 00:22

Tgt Ion:167 Resp: 479093
 Ion Ratio Lower Upper
 167 100
 166 23.1 18.6 28.0
 139 12.6 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

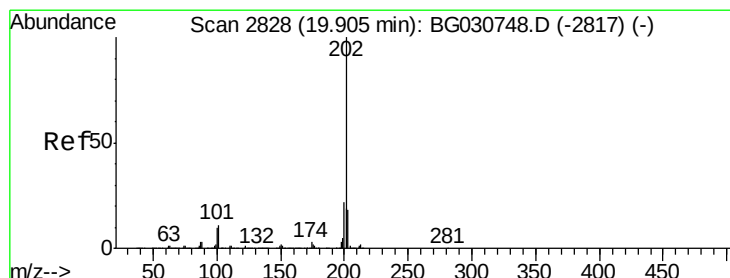
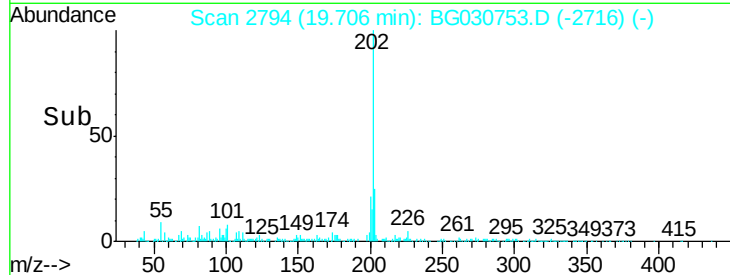
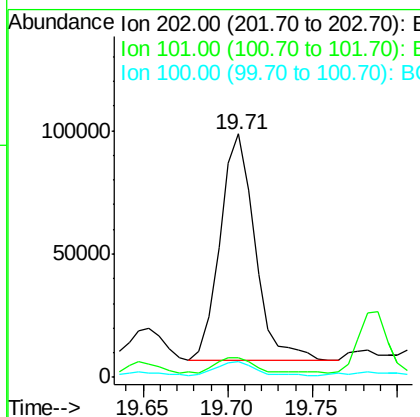
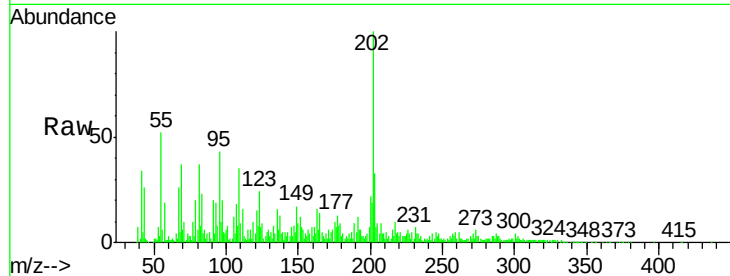




#74
Fluoranthene
Concen: 4.28 ng/ul
RT: 19.71 min Scan# 2794
Delta R.T. 0.16 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

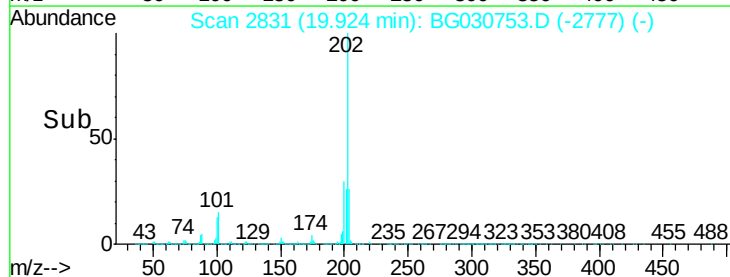
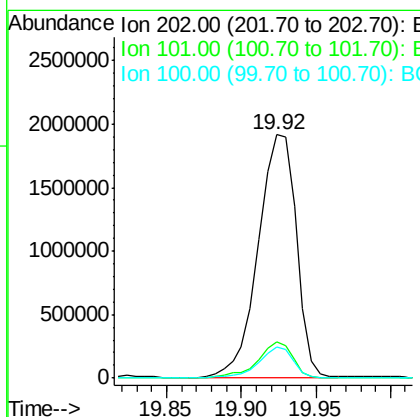
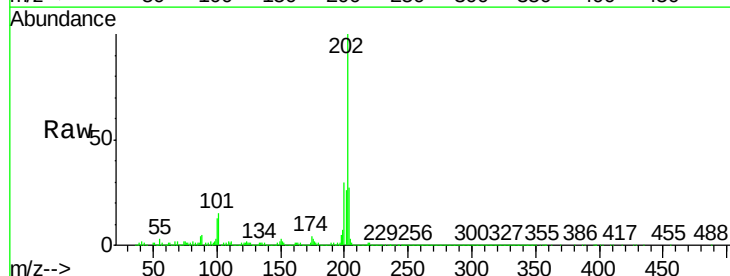
Instrument :
BNA_G
ClientSampleId :
B0EA2

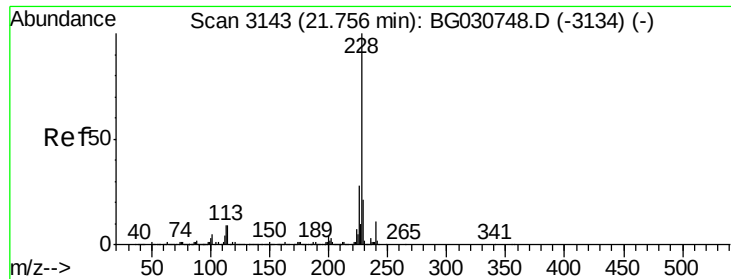
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	7.4	11.2
100	6.3	5.6	8.4



#77
Pyrene
Concen: 94.48 ng/ul
RT: 19.92 min Scan# 2831
Delta R.T. 0.02 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	8.4	12.6#
100	12.6	7.0	10.6#





#80

Benzo(a)anthracene

Concen: 72.00 ng/ul

RT: 21.78 min Scan# 3147

Delta R.T. 0.02 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

Instrument :

BNA_G

ClientSampleId :

B0EA2

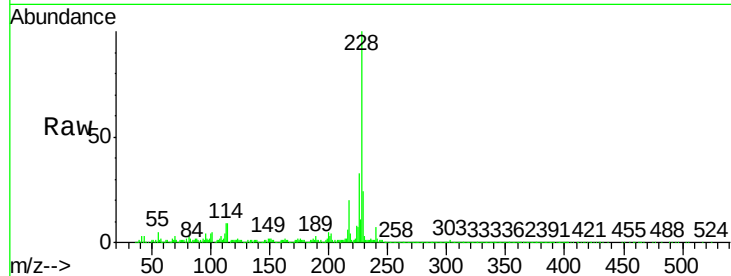
Tgt Ion:228 Resp: 2409134

Ion Ratio Lower Upper

228 100

229 24.3 16.2 24.4

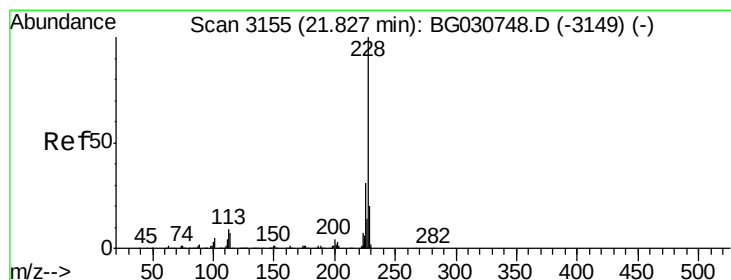
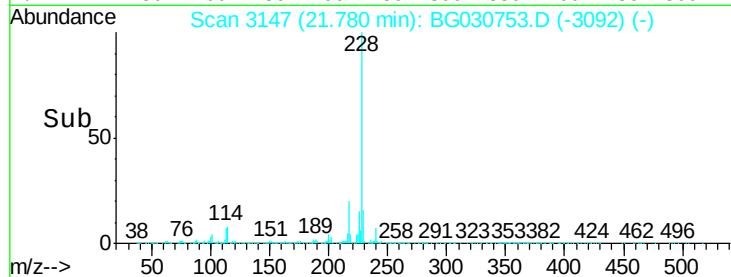
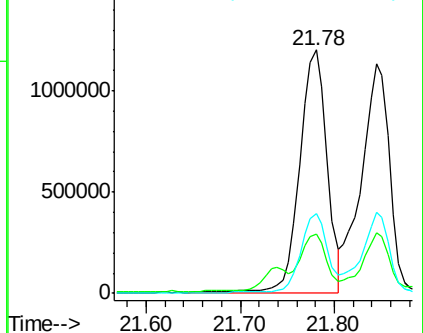
226 32.6 22.2 33.2



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: 76.88 ng/ul

RT: 21.84 min Scan# 3158

Delta R.T. 0.02 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

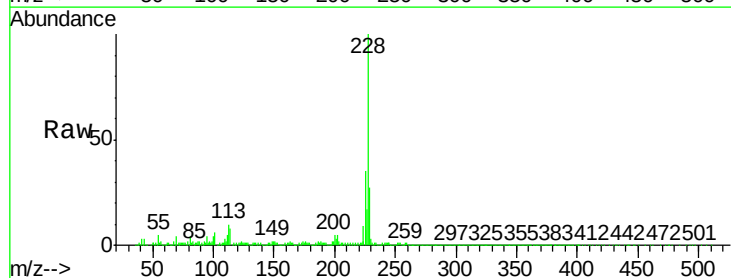
Tgt Ion:228 Resp: 2337319

Ion Ratio Lower Upper

228 100

226 35.0 24.2 36.2

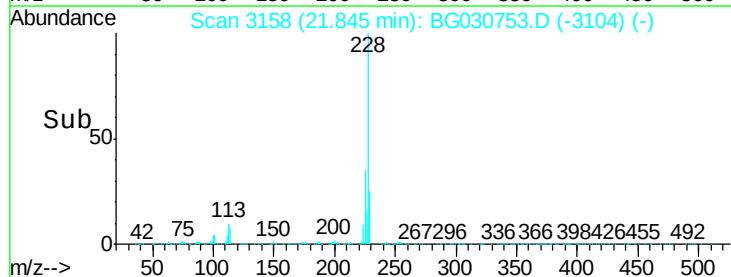
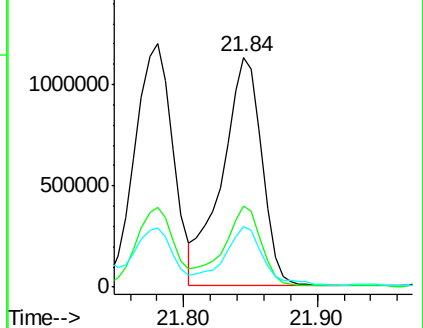
229 26.5 15.2 22.8#

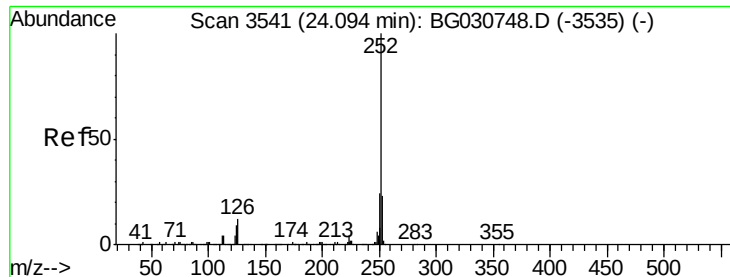


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Benzo(k)fluoranthene

Concen: 66.35 ng/ul

RT: 24.08 min Scan# 3539

Delta R.T. -0.01 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

Instrument :

BNA_G

ClientSampleId :

B0EA2

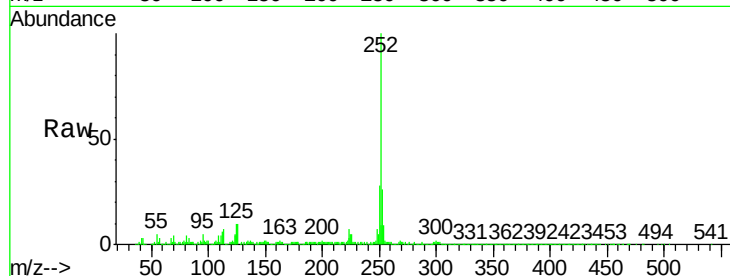
Tgt Ion:252 Resp: 3185031

Ion Ratio Lower Upper

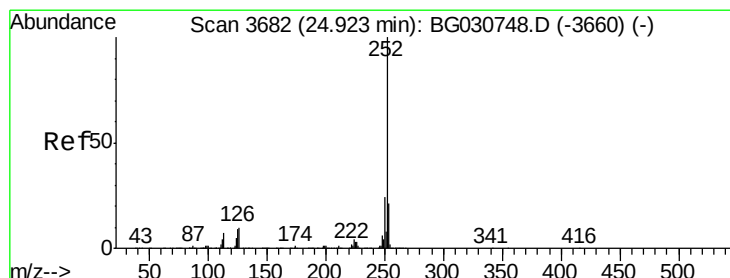
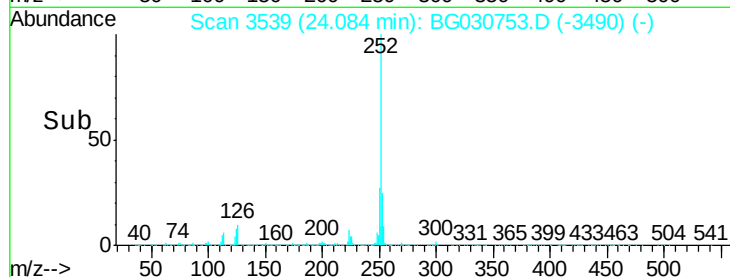
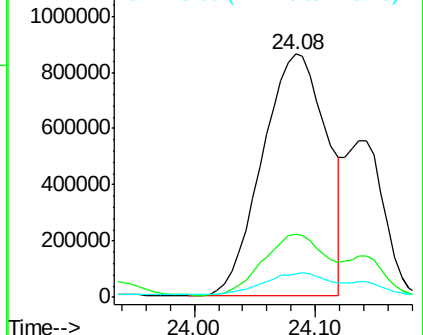
252 100

253 25.8 17.2 25.8

125 9.6 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



#88

Benzo(a)pyrene

Concen: 38.56 ng/ul

RT: 24.83 min Scan# 3666

Delta R.T. -0.09 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

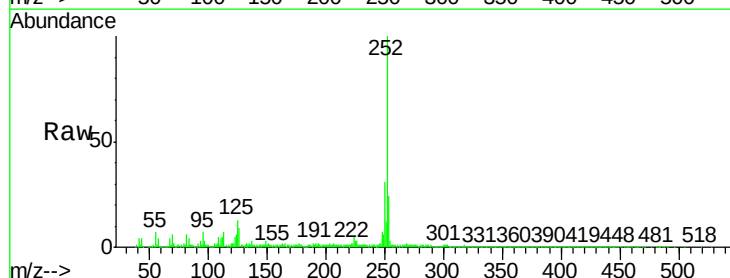
Tgt Ion:252 Resp: 1863444

Ion Ratio Lower Upper

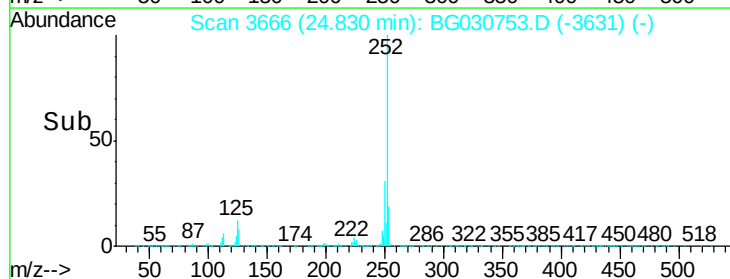
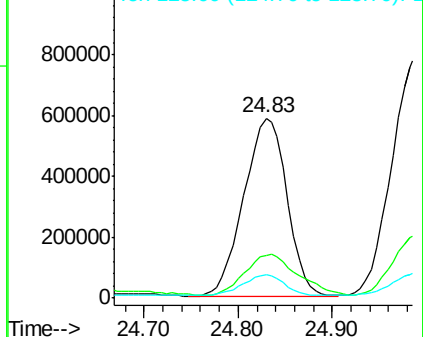
252 100

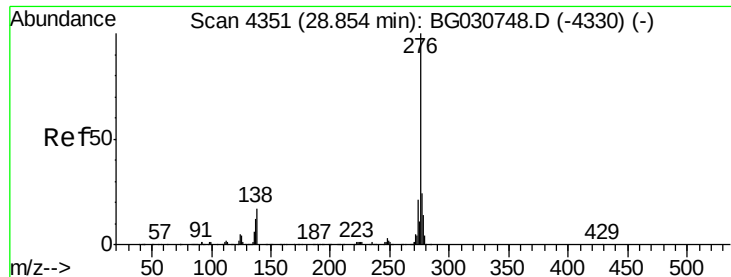
253 23.5 17.1 25.7

125 13.1 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: 7.66 ng/ul

RT: 28.54 min Scan# 4298

Delta R.T. -0.31 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

Instrument :

BNA_G

ClientSampleId :

B0EA2

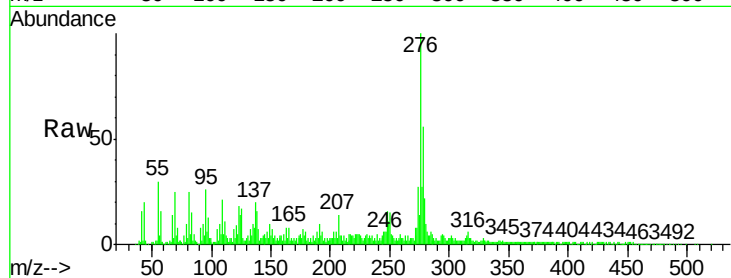
Tgt Ion:276 Resp: 418549

Ion Ratio Lower Upper

276 100

138 16.1 13.4 20.0

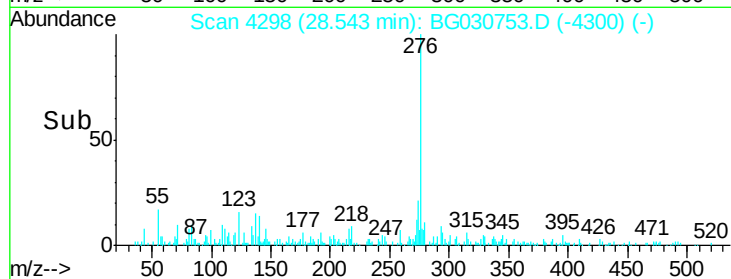
277 27.1 18.6 28.0



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



Time-->

