

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
 Data File : BG018156.D
 Acq On : 28 Jul 2015 20:57
 Operator : TP/UM
 Sample : G3030-09
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01N2

Quant Time: Jul 29 02:03:09 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 01:59:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	54319	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	242071	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	143353	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	185884	20.00	ng/ul	0.10
78) Chrysene-d12	21.15	240	302962	20.00	ng/ul	0.00
86) Perylene-d12	23.35	264	318359	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	2281	2.62	ng/uL	0.00
5) Phenol-d5	6.70	99	62610	14.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	30321	14.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	62206	16.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	49543	13.33	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	33844	17.69	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	36394	18.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	59707	16.98	ng/ul	0.00
29) 4-Chloroaniline-d4	10.44	131	31907	7.80	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	171161	17.01	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	202206	16.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.41	143	22135	10.45	ng/ul	0.00
58) Fluorene-d10	15.18	176	139195	14.96	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.32	200	9187	7.73	ng/ul	0.00
71) Anthracene-d10	17.03	188	185884	23.09	ng/ul	0.00
79) Pyrene-d10	19.35	212	184056	13.26	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.20	264	195082	12.84	ng/ul	0.00

Target Compounds

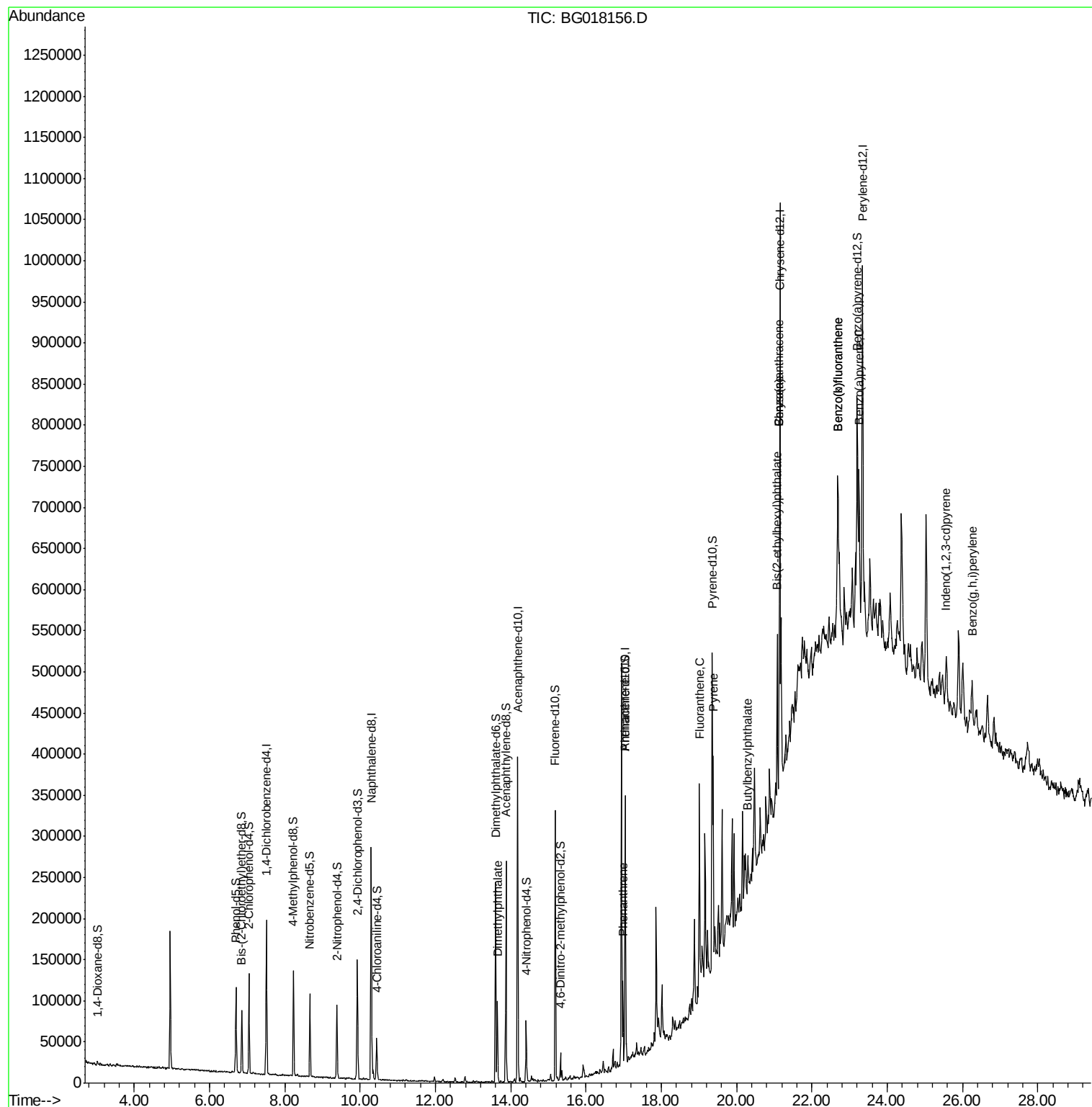
						Qvalue
45) Dimethylphthalate	13.64	163	66068	6.52	ng/ul	97
70) Phenanthrene	16.98	178	58595	6.27	ng/ul	97
77) Fluoranthene	19.01	202	151531	15.23	ng/ul	95
80) Pyrene	19.38	202	149821	8.64	ng/ul	94
81) Butylbenzylphthalate	20.30	149	15117	2.13	ng/ul	92
83) Benzo(a)anthracene	21.13	228	92289	5.76	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.08	149	77344	7.60	ng/ul#	98
85) Chrysene	21.13	228	93396	6.19	ng/ul	95
88) Benzo(b)fluoranthene	22.69	252	148089	8.49	ng/ul#	92
89) Benzo(k)fluoranthene	22.69	252	148089	8.77	ng/ul#	91
91) Benzo(a)pyrene	23.25	252	89605	5.30	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.57	276	61351	3.15	ng/ul	93
94) Benzo(g,h,i)perylene	26.25	276	56443	3.51	ng/ul	95

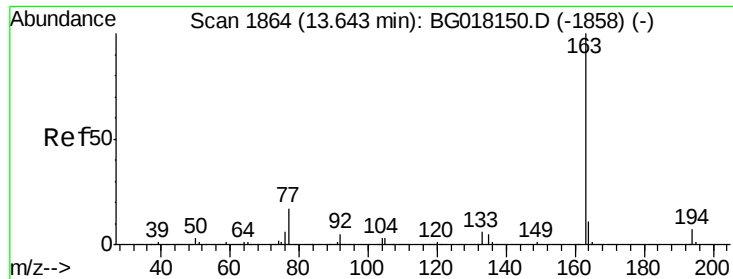
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 29 01:59:28 2015
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 6.52 ng/ul

RT: 13.64 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BG018156.D

Acq: 28 Jul 2015 20:57

Instrument :

BNA_G

ClientSampleId :

C01N2

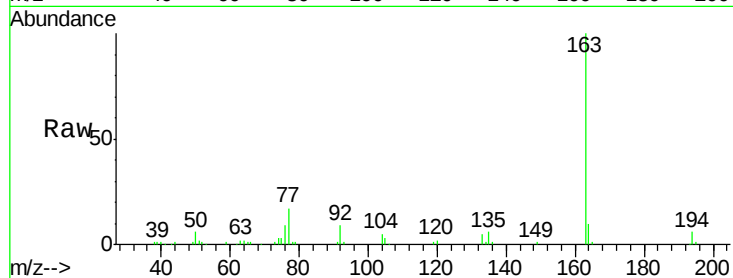
Tgt Ion:163 Resp: 66068

Ion Ratio Lower Upper

163 100

194 6.3 5.4 8.2

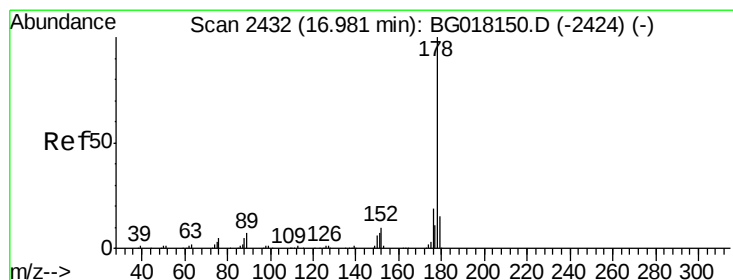
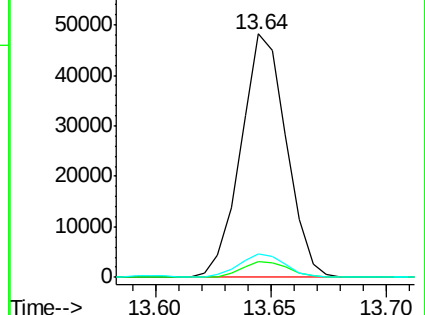
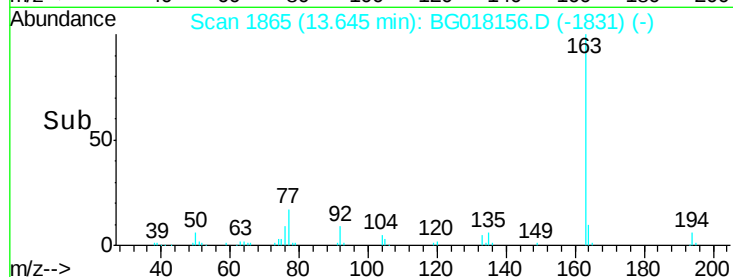
164 9.6 8.7 13.1



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



#70

Phenanthrene

Concen: 6.27 ng/ul

RT: 16.98 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BG018156.D

Acq: 28 Jul 2015 20:57

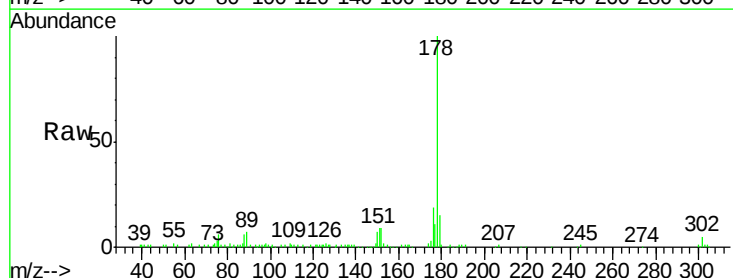
Tgt Ion:178 Resp: 58595

Ion Ratio Lower Upper

178 100

179 14.7 13.0 19.6

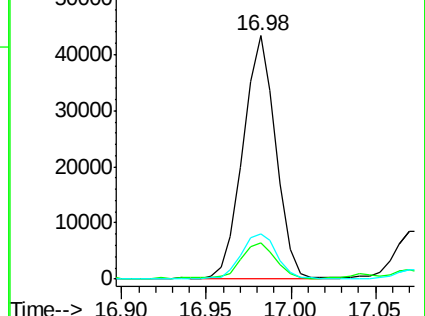
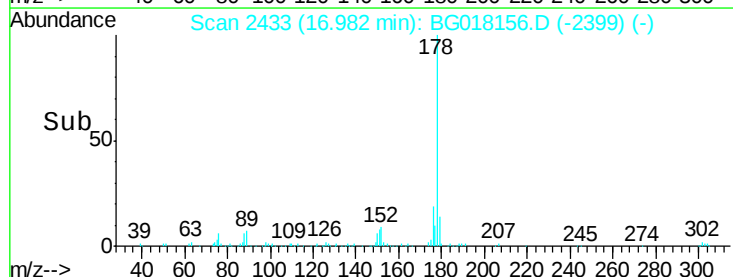
176 18.6 15.8 23.8

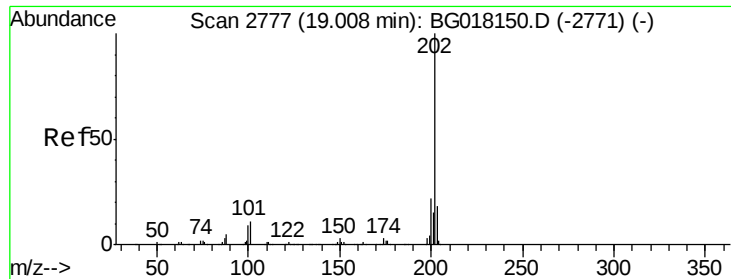


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

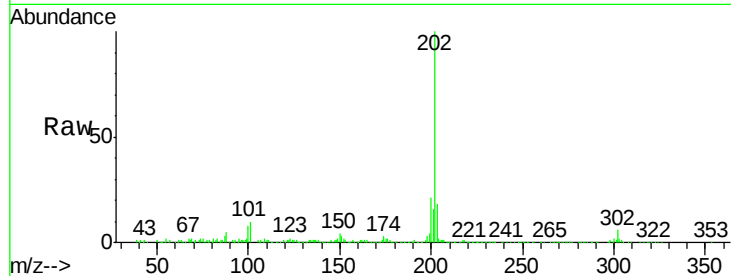




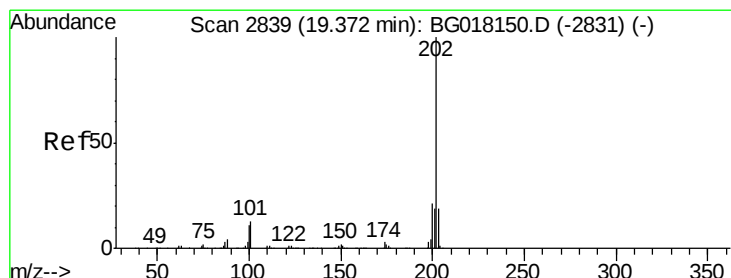
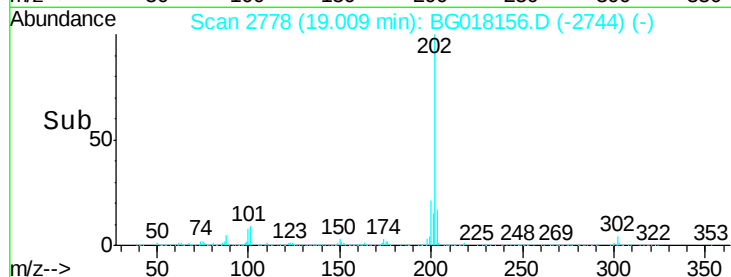
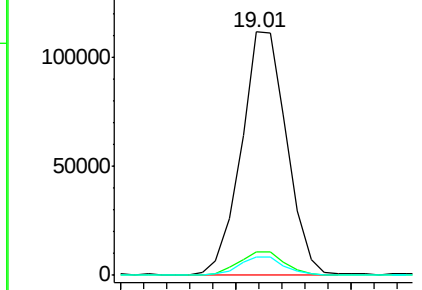
#77
 Fluoranthene
 Concen: 15.23 ng/ul
 RT: 19.01 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: BG018156.D
 Acq: 28 Jul 2015 20:57

Instrument :
 BNA_G
 ClientSampleId :
 C01N2

Tgt Ion:	202	Resp:	151531
Ion Ratio	Lower	Upper	
202	100		
101	9.5	9.1	13.7
100	7.7	7.5	11.3

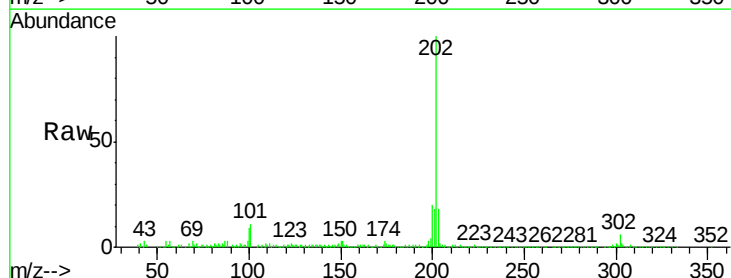


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

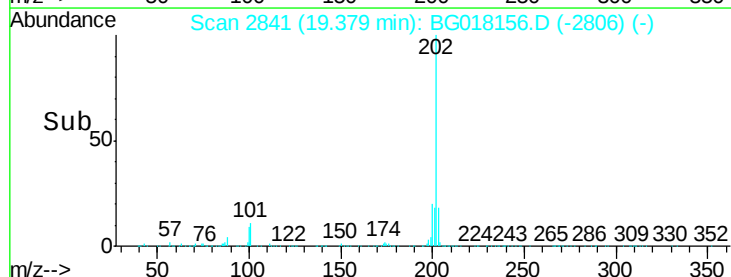
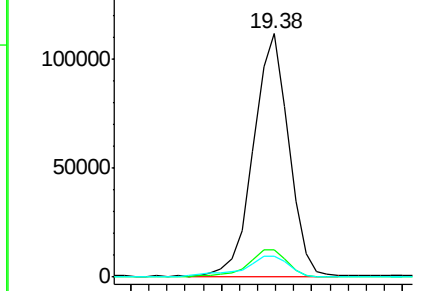


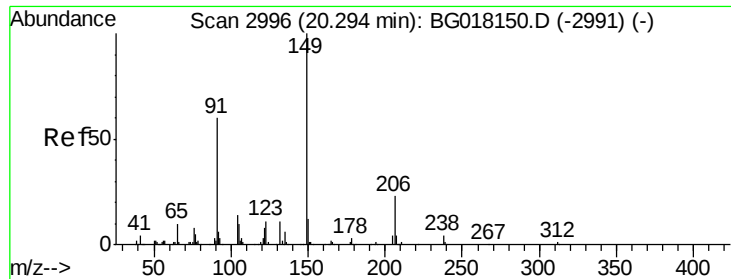
#80
 Pyrene
 Concen: 8.64 ng/ul
 RT: 19.38 min Scan# 2841
 Delta R.T. 0.01 min
 Lab File: BG018156.D
 Acq: 28 Jul 2015 20:57

Tgt Ion:	202	Resp:	149821
Ion Ratio	Lower	Upper	
202	100		
101	11.2	10.9	16.3
100	8.6	8.5	12.7



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

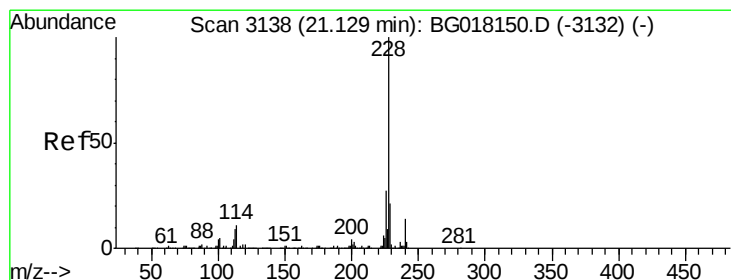
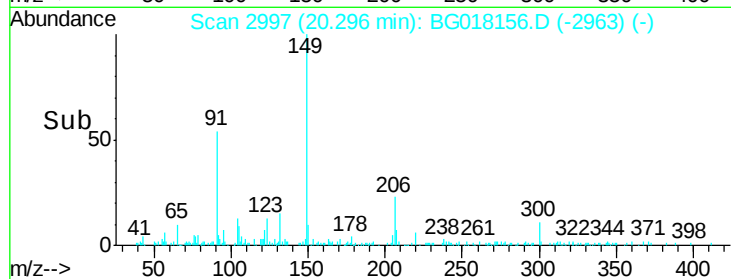
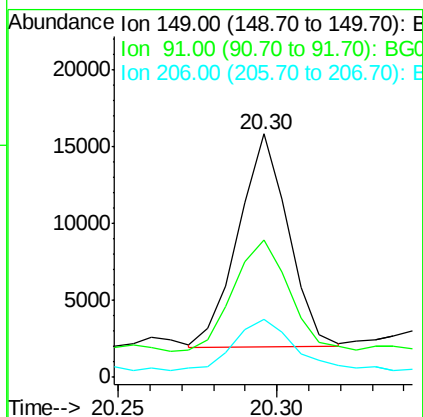
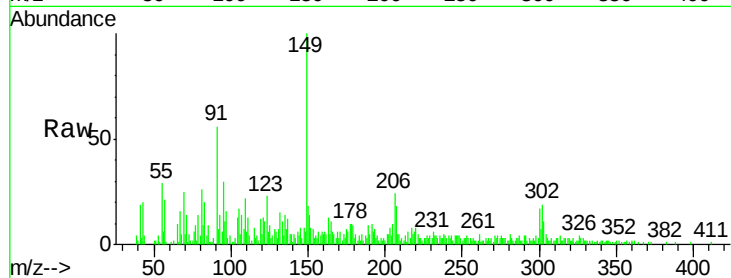




#81
Butylbenzylphthalate
Concen: 2.13 ng/ul
RT: 20.30 min Scan# 2997
Delta R.T. 0.00 min
Lab File: BG018156.D
Acq: 28 Jul 2015 20:57

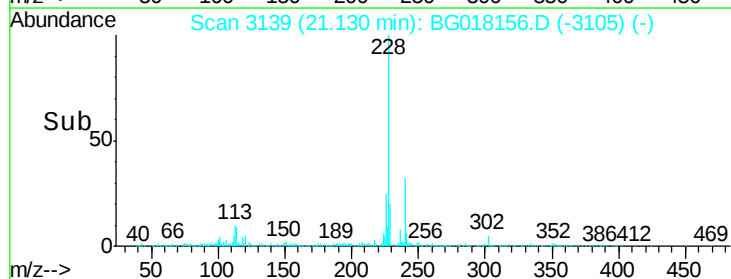
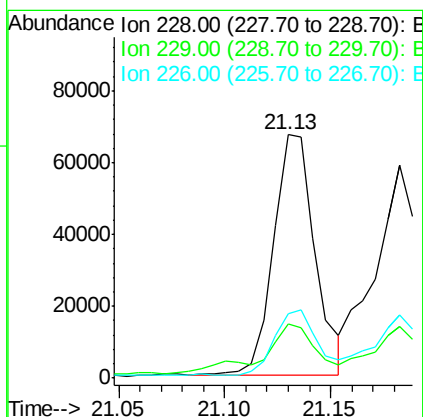
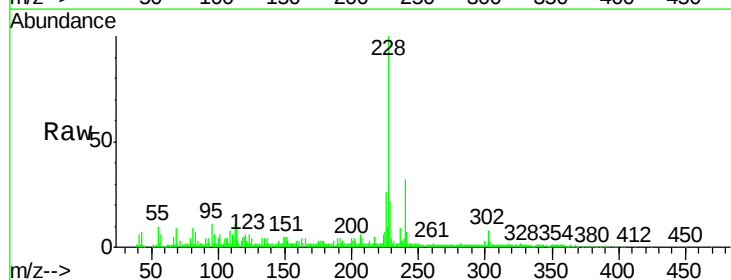
Instrument :
BNA_G
ClientSampleId :
C01N2

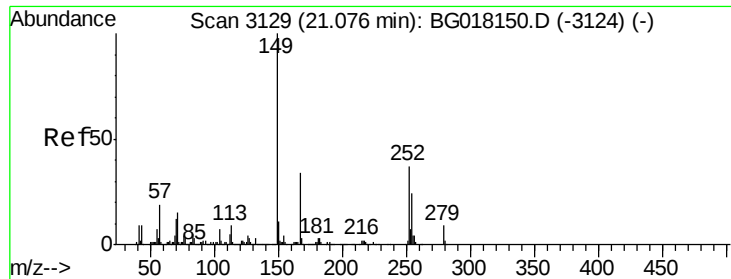
Tgt Ion:149 Resp: 15117
Ion Ratio Lower Upper
149 100
91 56.2 51.1 76.7
206 23.7 19.9 29.9



#83
Benzo(a)anthracene
Concen: 5.76 ng/ul
RT: 21.13 min Scan# 3139
Delta R.T. 0.00 min
Lab File: BG018156.D
Acq: 28 Jul 2015 20:57

Tgt Ion:228 Resp: 92289
Ion Ratio Lower Upper
228 100
229 22.1 16.6 24.8
226 26.4 21.1 31.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.60 ng/ul

RT: 21.08 min Scan# 3130

Delta R.T. 0.00 min

Lab File: BG018156.D

Acq: 28 Jul 2015 20:57

Instrument :

BNA_G

ClientSampleId :

C01N2

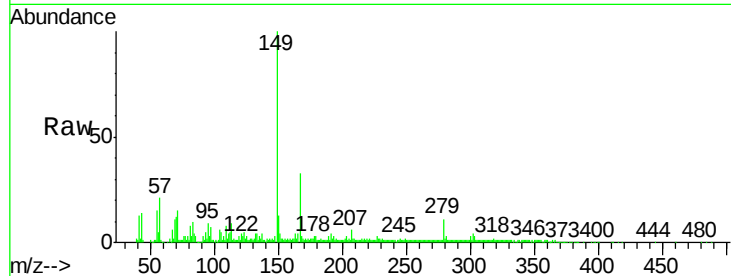
Tgt Ion:149 Resp: 77344

Ion Ratio Lower Upper

149 100

167 33.3 26.2 39.4

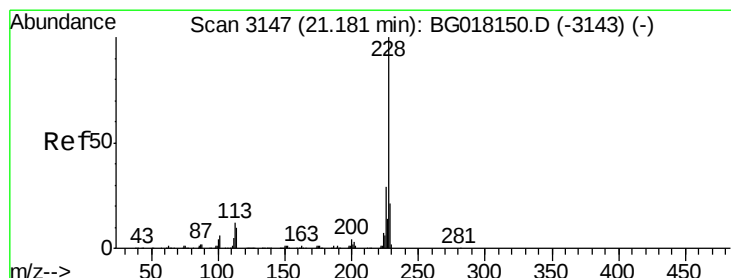
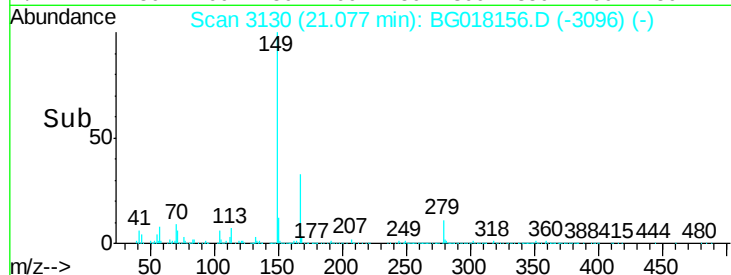
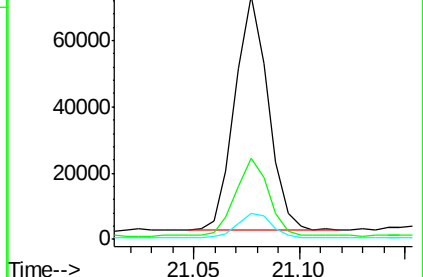
279 10.8 7.2 10.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 6.19 ng/ul

RT: 21.13 min Scan# 3139

Delta R.T. -0.05 min

Lab File: BG018156.D

Acq: 28 Jul 2015 20:57

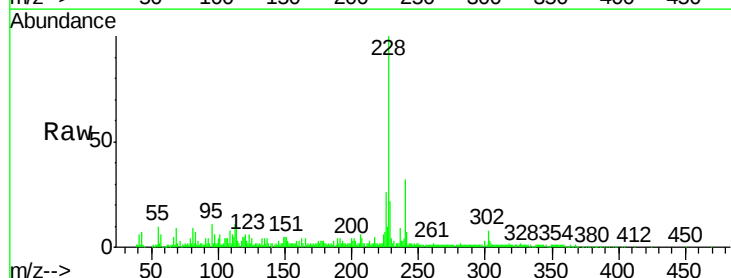
Tgt Ion:228 Resp: 93396

Ion Ratio Lower Upper

228 100

226 26.4 22.9 34.3

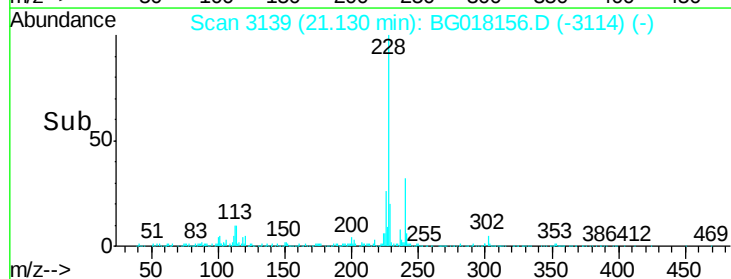
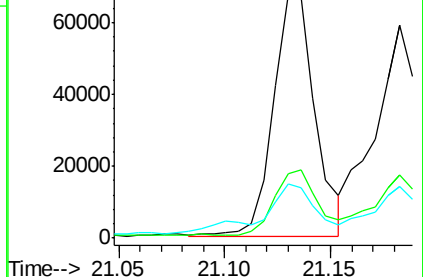
229 22.1 15.6 23.4

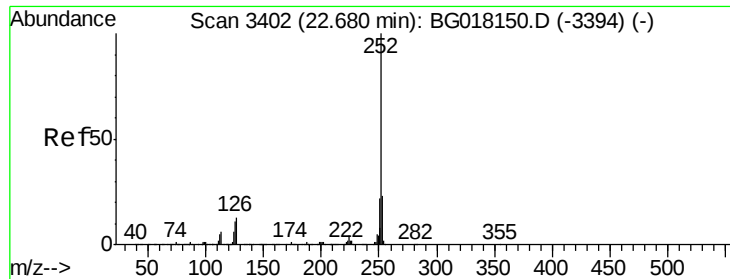


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 8.49 ng/ul

RT: 22.69 min Scan# 3404

Delta R.T. 0.01 min

Lab File: BG018156.D

Acq: 28 Jul 2015 20:57

Instrument :

BNA_G

ClientSampleId :

C01N2

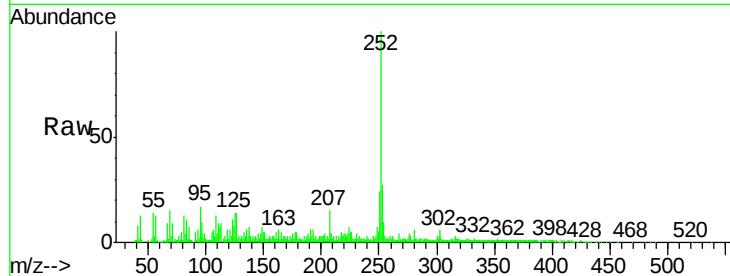
Tgt Ion:252 Resp: 148089

Ion Ratio Lower Upper

252 100

253 27.1 18.5 27.7

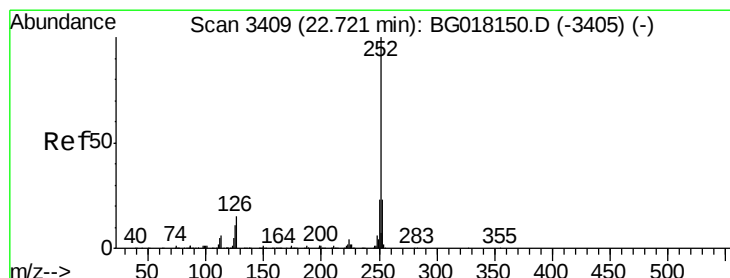
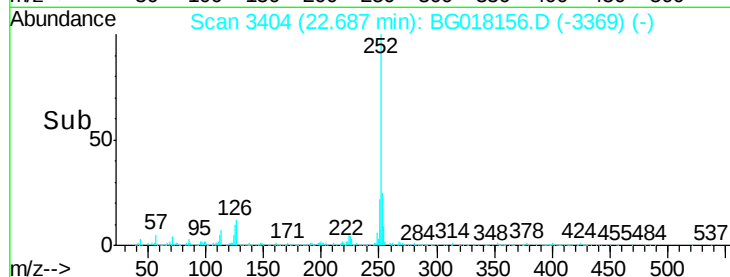
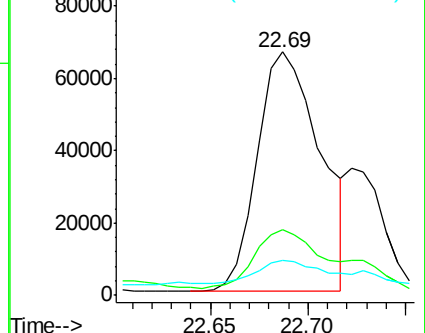
125 14.4 9.1 13.7#



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

Benzo(k)fluoranthene

Concen: 8.77 ng/ul

RT: 22.69 min Scan# 3404

Delta R.T. -0.03 min

Lab File: BG018156.D

Acq: 28 Jul 2015 20:57

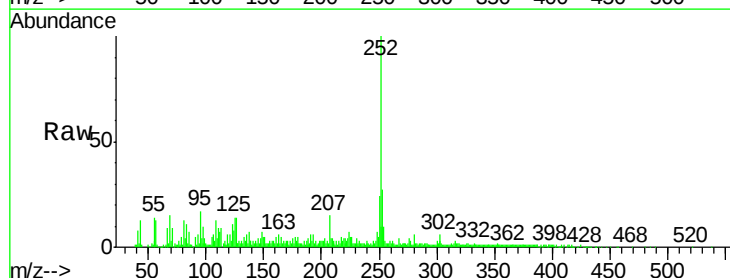
Tgt Ion:252 Resp: 148089

Ion Ratio Lower Upper

252 100

253 27.1 17.8 26.8#

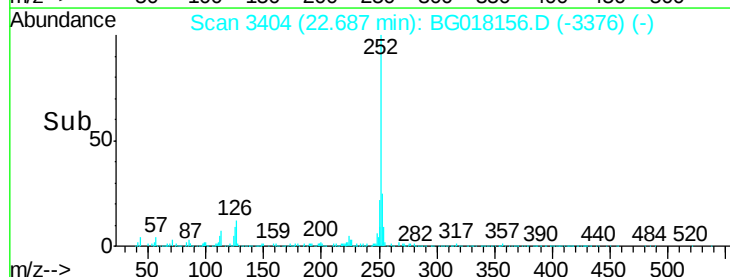
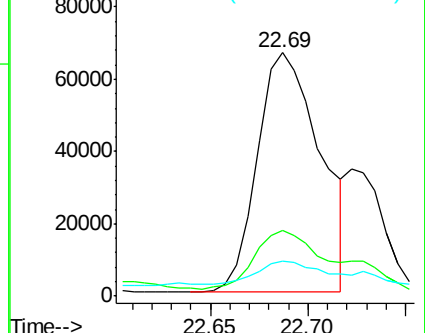
125 14.4 9.3 13.9#

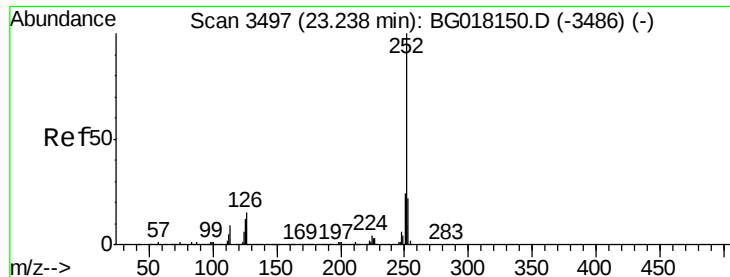


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 5.30 ng/ul

RT: 23.25 min Scan# 3500

Delta R.T. 0.01 min

Lab File: BG018156.D

Acq: 28 Jul 2015 20:57

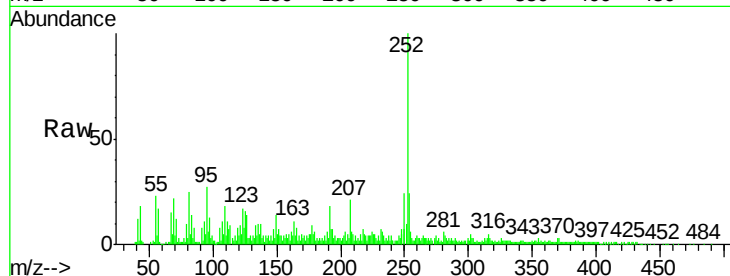
Instrument :

BNA_G

ClientSampleId :

C01N2

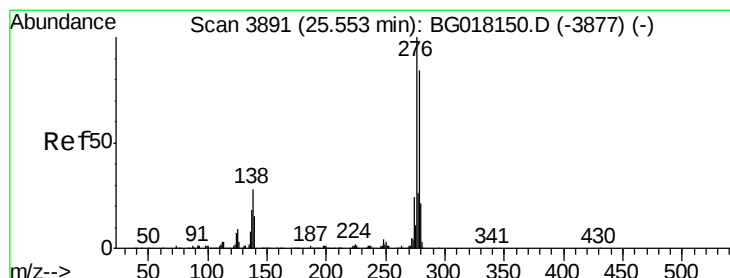
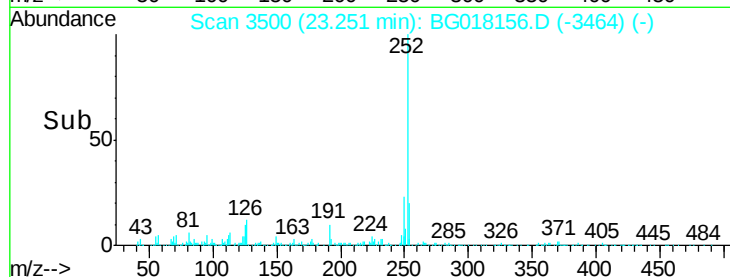
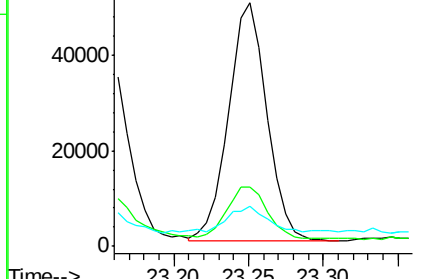
Tgt Ion:	252	Resp:	89605
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.0	27.0
125	16.2	10.2	15.2#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 3.15 ng/ul

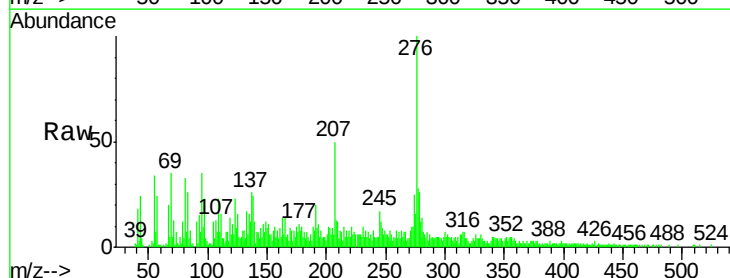
RT: 25.57 min Scan# 3895

Delta R.T. 0.02 min

Lab File: BG018156.D

Acq: 28 Jul 2015 20:57

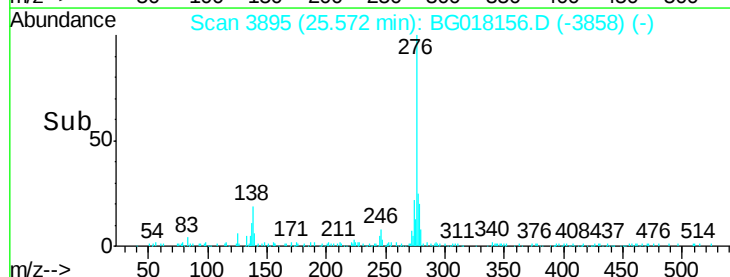
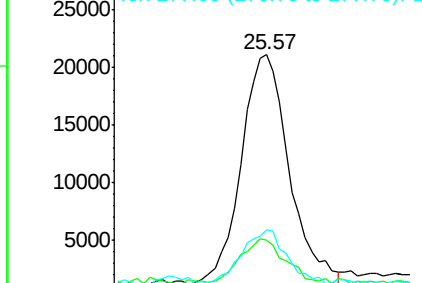
Tgt Ion:	276	Resp:	61351
Ion Ratio	Lower	Upper	
276	100		
138	23.9	22.6	33.8
277	28.1	19.8	29.8

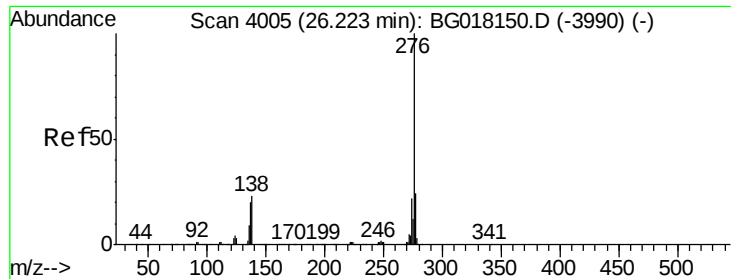


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(g,h,i)perylene

Concen: 3.51 ng/ul

RT: 26.25 min Scan# 4011

Delta R.T. 0.03 min

Lab File: BG018156.D

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C01N2

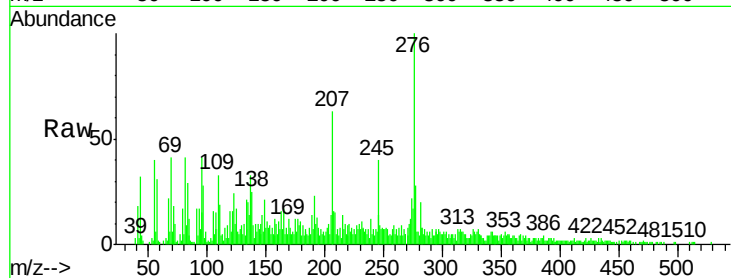
Tgt Ion: 276 Resp: 56443

Ion Ratio Lower Upper

276 100

138 24.8 18.8 28.2

277 27.9 19.3 28.9



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

