

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081017\
 Data File : BG028283.D
 Acq On : 11 Aug 2017 7:13
 Operator : SJ/JU
 Sample : I4550-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AF4

Quant Time: Aug 11 08:41:41 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 11 04:08:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	48248	20.00	ng/ul	0.00
18) Naphthalene-d8	11.17	136	204623	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.96	164	143078	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	353453	20.00	ng/ul	0.00
75) Chrysene-d12	22.03	240	390169	20.00	ng/ul	0.00
83) Perylene-d12	25.54	264	374147	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.84	96	3318	3.20	ng/uL	0.00
5) Phenol-d5	7.50	99	93102	17.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.67	67	57293	17.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.89	132	65603	19.62	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	75536	17.06	ng/ul	0.00
19) Nitrobenzene-d5	9.52	128	31493	19.68	ng/ul	0.00
22) 2-Nitrophenol-d4	10.25	143	37102	21.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.79	165	74539	20.54	ng/ul	0.00
29) 4-Chloroaniline-d4	11.31	131	55616	13.77	ng/ul	0.00
43) Dimethylphthalate-d6	14.35	166	270270	21.24	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	295554	20.60	ng/ul	0.00
51) 4-Nitrophenol-d4	15.15	143	32317	15.97	ng/ul	0.00
57) Fluorene-d10	15.95	176	226512	19.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	39279	17.11	ng/ul	0.00
70) Anthracene-d10	17.71	188	353453	20.85	ng/ul	-0.10
76) Pyrene-d10	20.08	212	431878	21.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.29	264	387108	22.10	ng/ul	0.00

Target Compounds

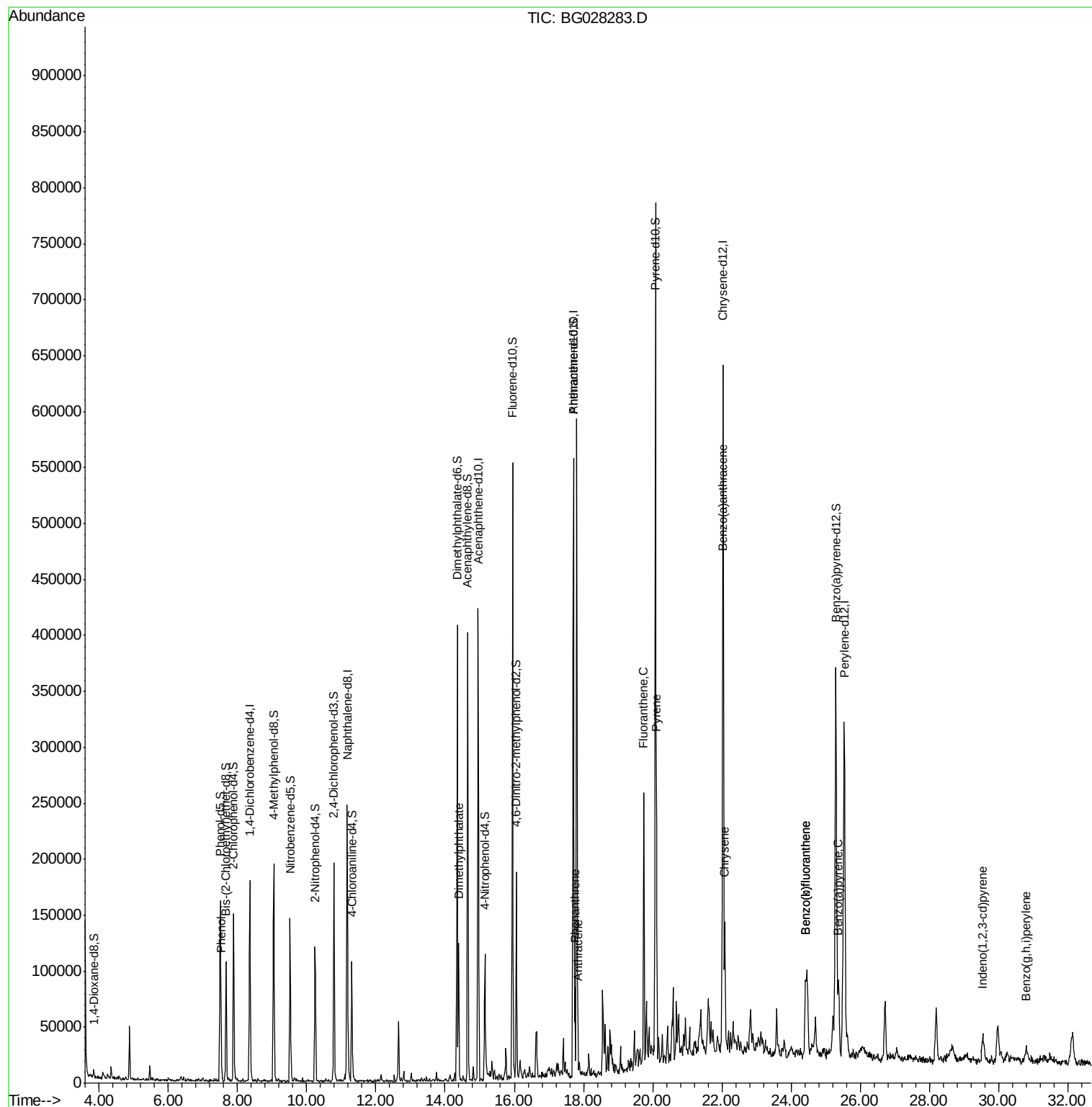
					Ovalue
6) Phenol	7.53	94	15432	2.930 ng/ul	96
44) Dimethylphthalate	14.40	163	74355	6.346 ng/ul	98
69) Phenanthrene	17.75	178	49175	2.765 ng/ul	98
71) Anthracene	17.84	178	18685	1.028 ng/ul	97
74) Fluoranthene	19.75	202	164195	7.595 ng/ul	97
77) Pyrene	20.11	202	146941	6.312 ng/ul	99
80) Benzo(a)anthracene	22.02	228	103087	4.573 ng/ul	94
82) Chrysene	22.09	228	86427	4.257 ng/ul	98
85) Benzo(b)fluoranthene	24.42	252	99600	4.449 ng/ul#	95
86) Benzo(k)fluoranthene	24.42	252	99600	4.554 ng/ul#	93
88) Benzo(a)pyrene	25.37	252	76685	3.537 ng/ul	93
89) Indeno(1,2,3-cd)pyrene	29.54	276	38653	1.523 ng/ul#	88
91) Benzo(g,h,i)perylene	30.81	276	25412	1.217 ng/ul#	88

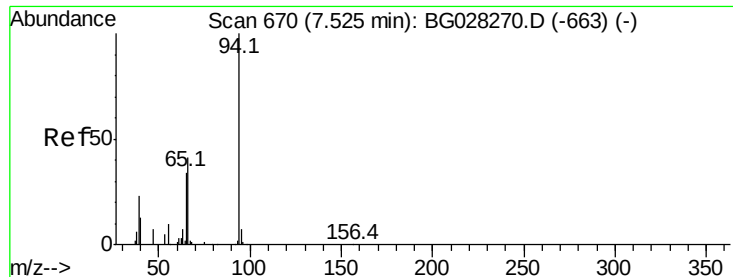
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.930 ng/ul

RT: 7.53 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG028283.D

Acq: 11 Aug 2017 7:13

Instrument :

BNA_G

ClientSampleId :

C0AF4

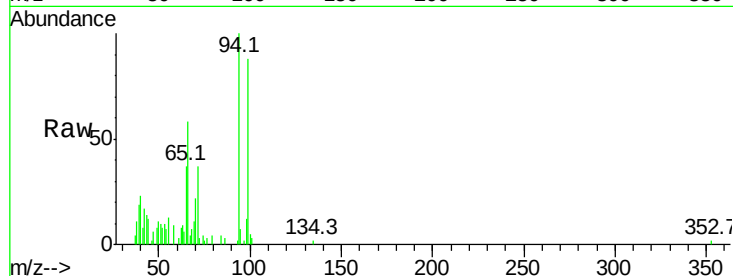
Tot Ion: 94 Resp: 15432

Ion Ratio Lower Upper

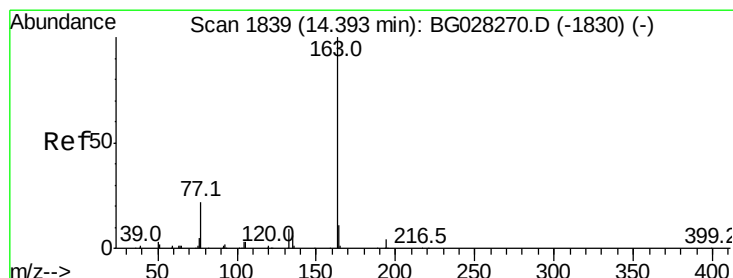
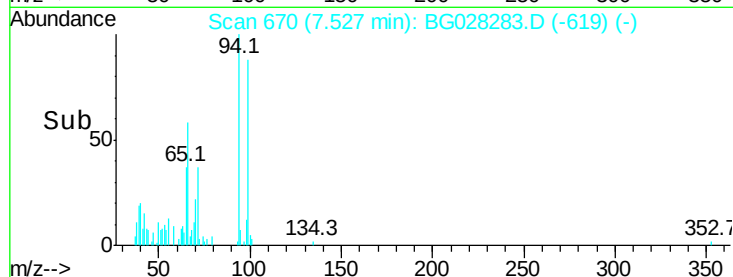
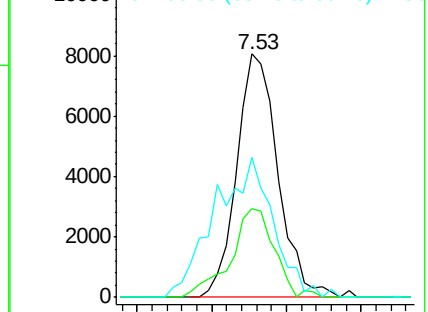
94 100

65 36.7 26.8 40.2

66 57.7 44.4 66.6



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



#44

Dimethylphthalate

Concen: 6.346 ng/ul

RT: 14.40 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BG028283.D

Acq: 11 Aug 2017 7:13

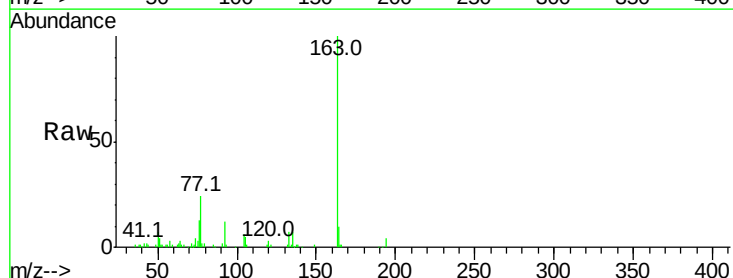
Tgt Ion:163 Resp: 74355

Ion Ratio Lower Upper

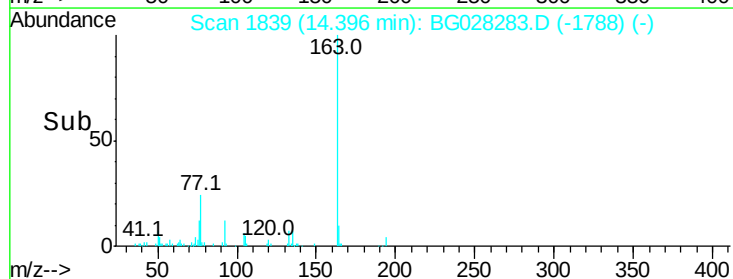
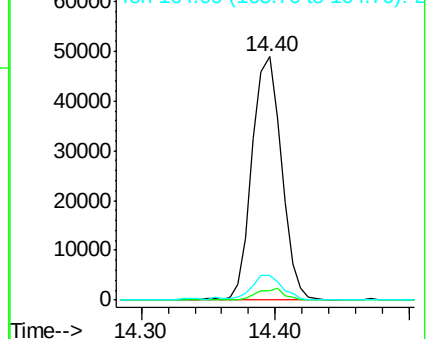
163 100

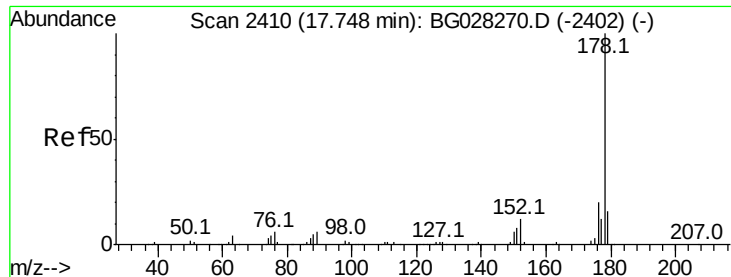
194 4.1 3.4 5.0

164 10.0 9.0 13.4



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





#69

Phenanthrene

Concen: 2.765 ng/ul

RT: 17.75 min Scan# 2410

Delta R.T. 0.00 min

Lab File: BG028283.D

Acq: 11 Aug 2017 7:13

Instrument :

BNA_G

ClientSampleId :

C0AF4

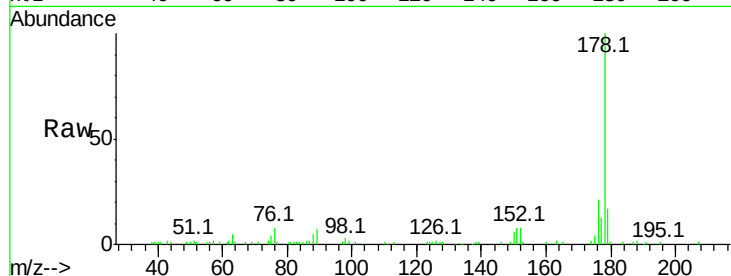
Tot Ion:178 Resp: 49175

Ion Ratio Lower Upper

178 100

179 17.4 12.4 18.6

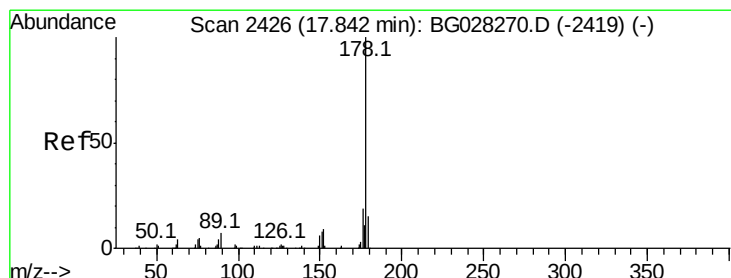
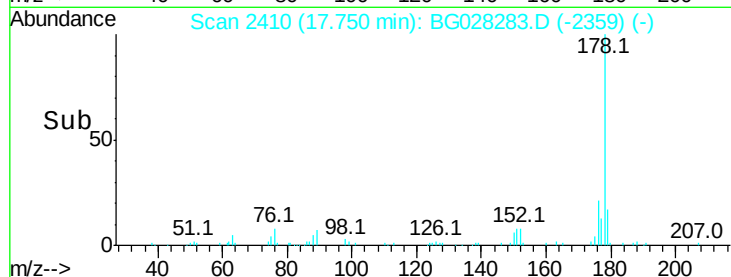
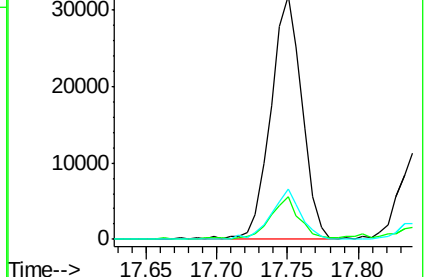
176 20.6 16.5 24.7



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



#71

Anthracene

Concen: 1.028 ng/ul

RT: 17.84 min Scan# 2425

Delta R.T. -0.00 min

Lab File: BG028283.D

Acq: 11 Aug 2017 7:13

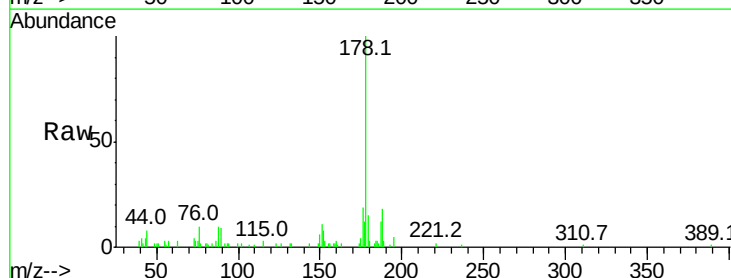
Tgt Ion:178 Resp: 18685

Ion Ratio Lower Upper

178 100

179 14.5 12.6 19.0

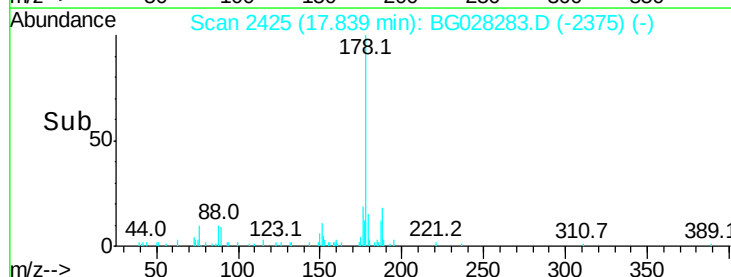
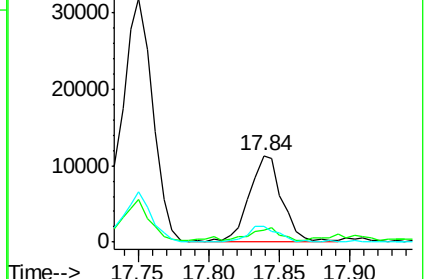
176 18.5 15.9 23.9

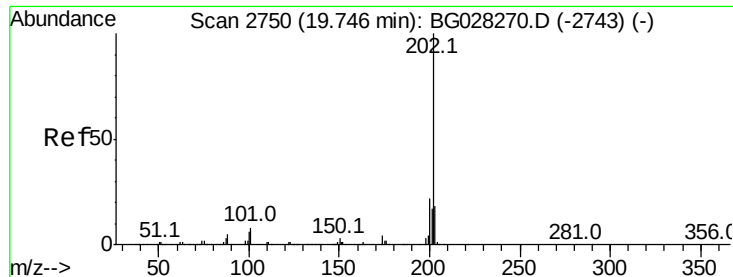


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 7.595 ng/ul

RT: 19.75 min Scan# 2750

Delta R.T. 0.00 min

Lab File: BG028283.D

Acq: 11 Aug 2017 7:13

Instrument :

BNA_G

ClientSampleId :

C0AF4

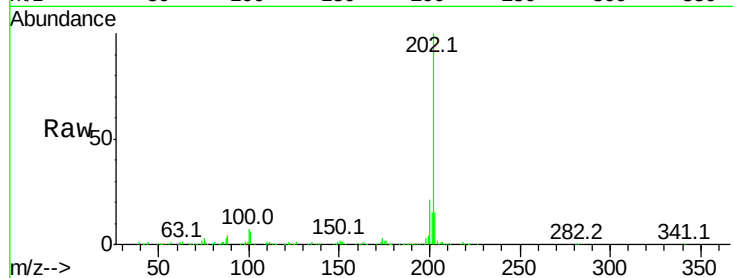
Tot Ion:202 Resp: 164195

Ion Ratio Lower Upper

202 100

101 6.2 6.2 9.2

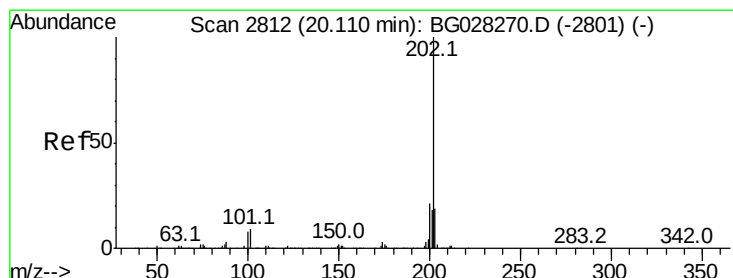
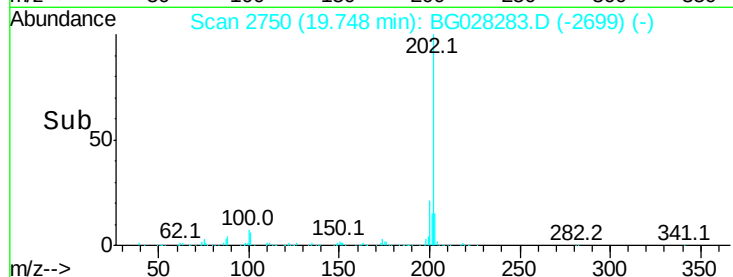
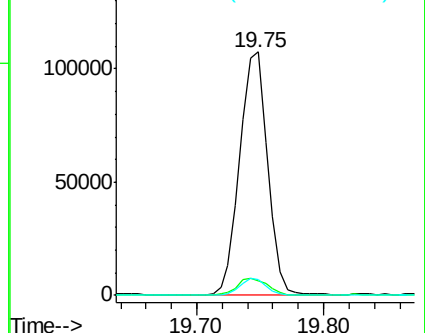
100 6.7 5.2 7.8



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: 6.312 ng/ul

RT: 20.11 min Scan# 2811

Delta R.T. -0.00 min

Lab File: BG028283.D

Acq: 11 Aug 2017 7:13

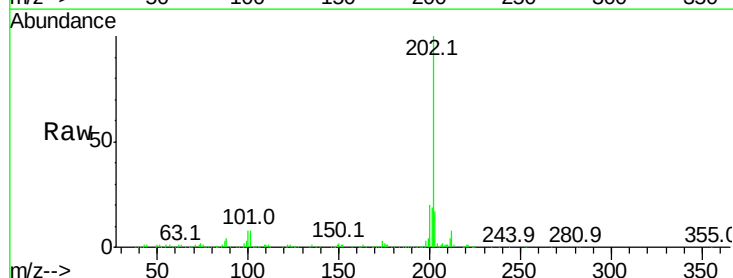
Tgt Ion:202 Resp: 146941

Ion Ratio Lower Upper

202 100

101 8.5 6.9 10.3

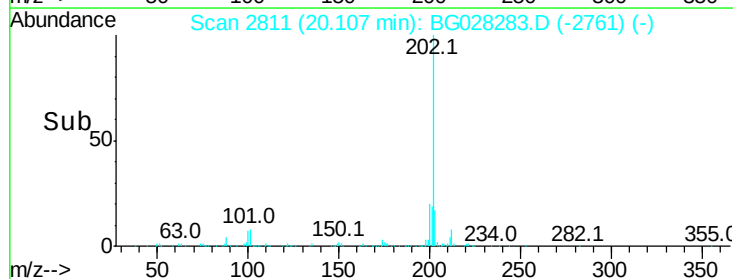
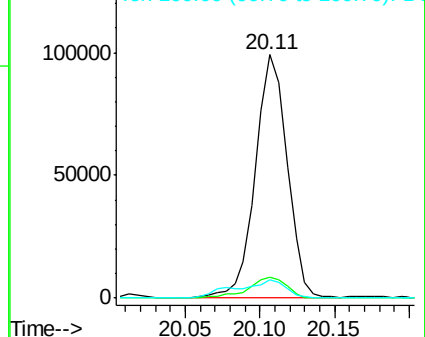
100 7.6 6.6 10.0

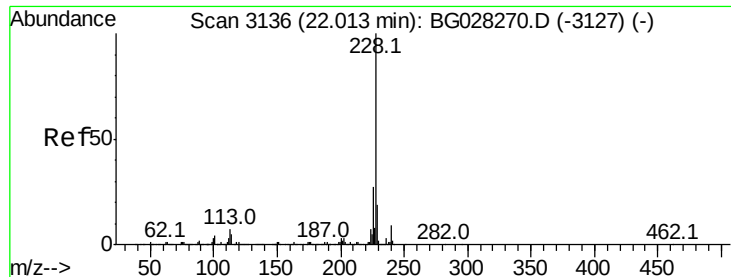


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 4.573 ng/ul

RT: 22.02 min Scan# 3136

Delta R.T. 0.00 min

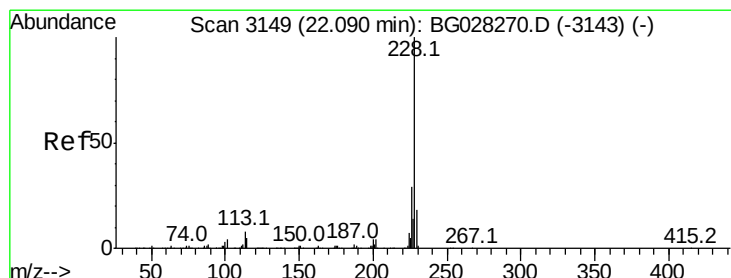
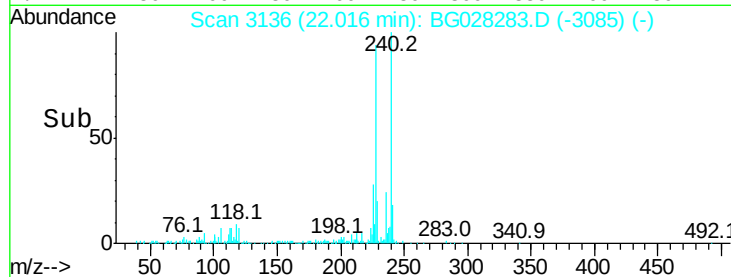
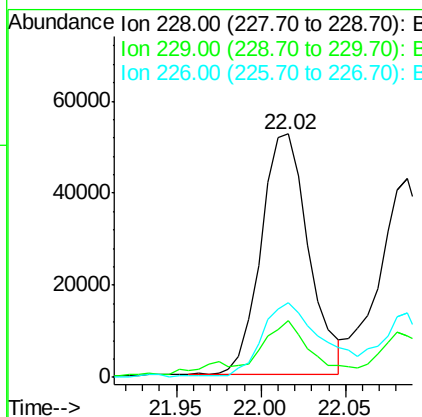
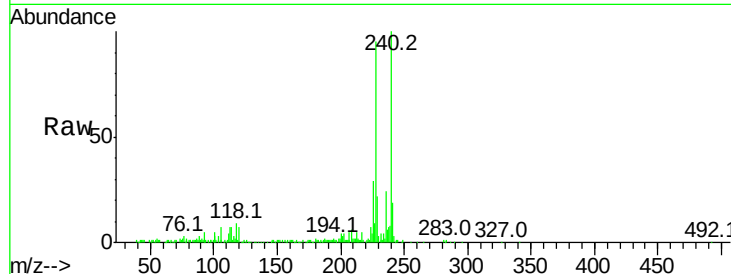
Lab File: BG028283.D

Acq: 11 Aug 2017 7:13

Instrument :
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Tot Ion:228 Resp: 103087

Ion	Ratio	Lower	Upper
228	100		
229	23.6	16.3	24.5
226	30.7	21.9	32.9



#82

Chrysene

Concen: 4.257 ng/ul

RT: 22.09 min Scan# 3148

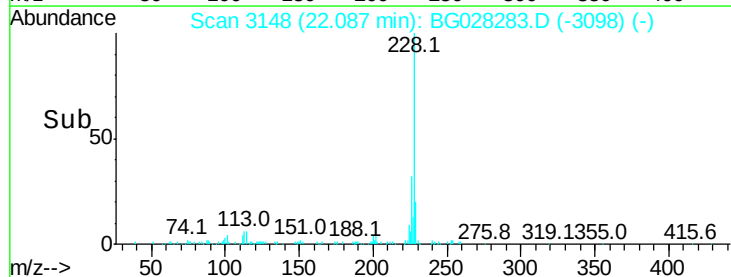
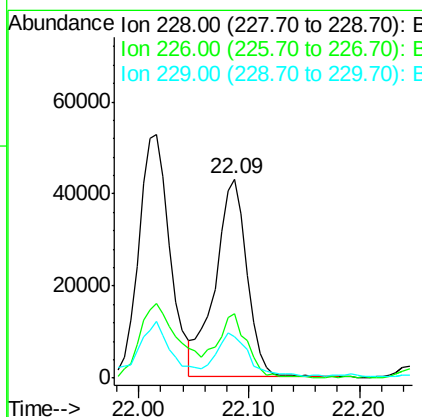
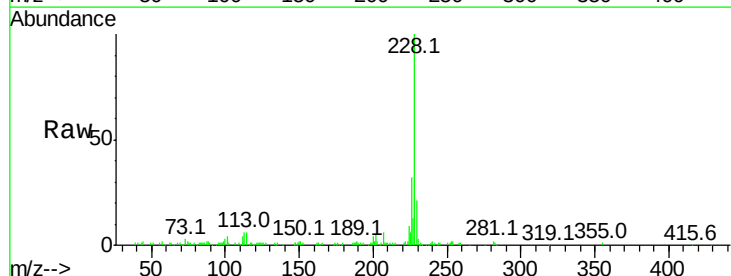
Delta R.T. -0.00 min

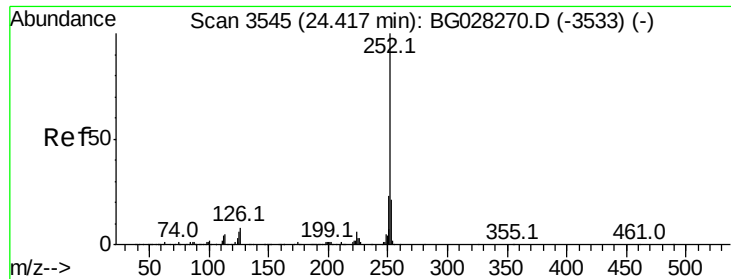
Lab File: BG028283.D

Acq: 11 Aug 2017 7:13

Tgt Ion:228 Resp: 86427

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.0	36.0
229	21.1	16.9	25.3





#85

Benzo(b)fluoranthene

Concen: 4.449 ng/ul

RT: 24.42 min Scan# 3546

Delta R.T. 0.01 min

Lab File: BG028283.D

Acq: 11 Aug 2017 7:13

Instrument :

BNA_G

ClientSampleId :

C0AF4

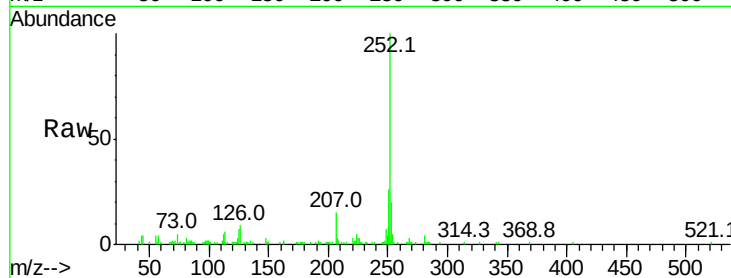
Tot Ion:252 Resp: 99600

Ion Ratio Lower Upper

252 100

253 19.9 17.7 26.5

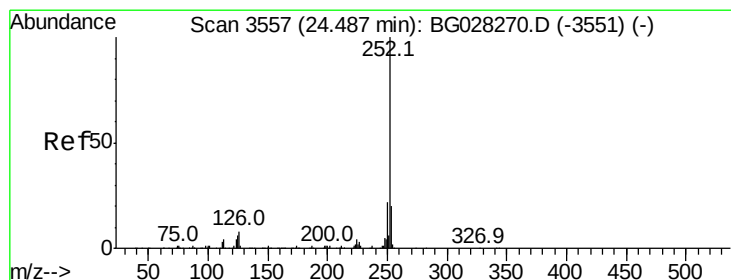
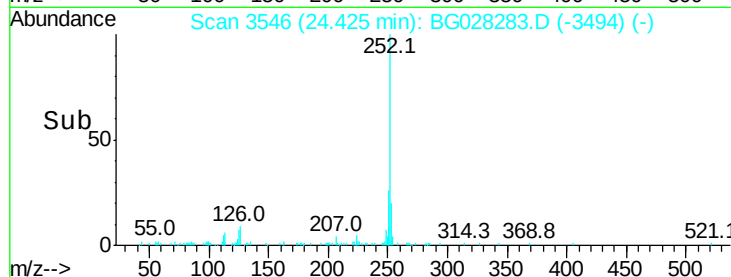
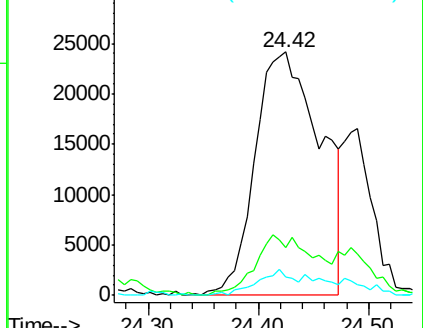
125 7.4 4.0 6.0#



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



#86

Benzo(k)fluoranthene

Concen: 4.554 ng/ul

RT: 24.42 min Scan# 3546

Delta R.T. -0.06 min

Lab File: BG028283.D

Acq: 11 Aug 2017 7:13

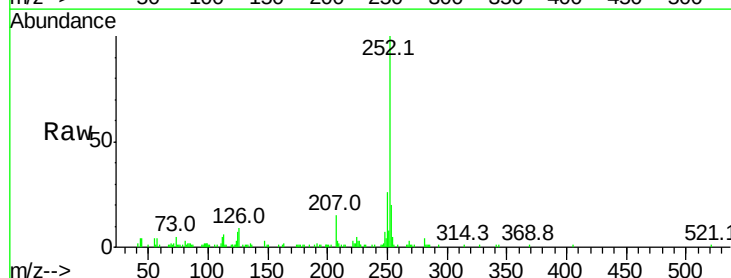
Tgt Ion:252 Resp: 99600

Ion Ratio Lower Upper

252 100

253 19.9 18.5 27.7

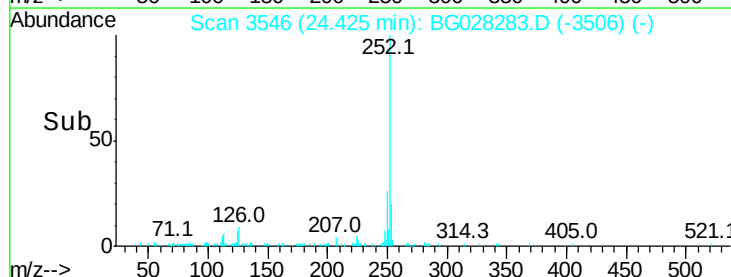
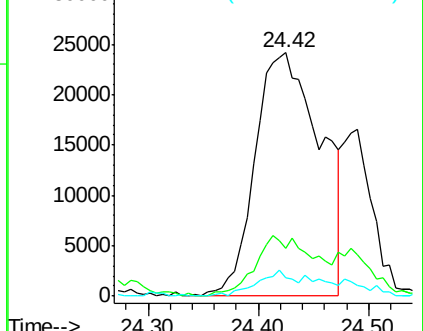
125 7.4 4.1 6.1#

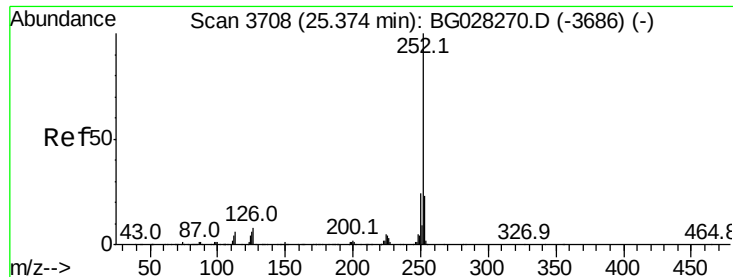


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 3.537 ng/ul

RT: 25.37 min Scan# 3707

Delta R.T. -0.00 min

Lab File: BG028283.D

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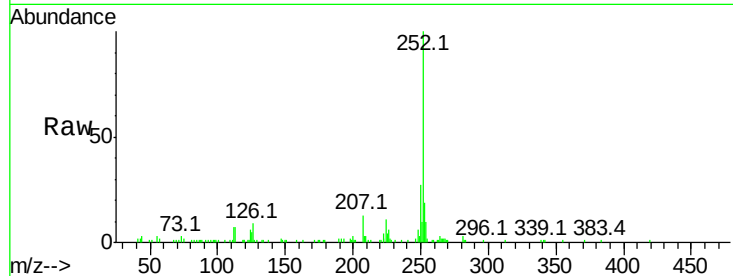
Tot Ion:252 Resp: 76685

Ion Ratio Lower Upper

252 100

253 18.6 17.8 26.6

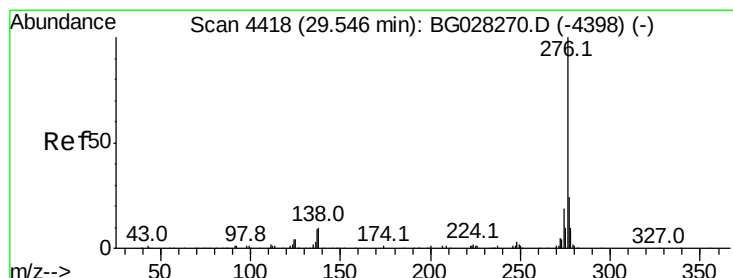
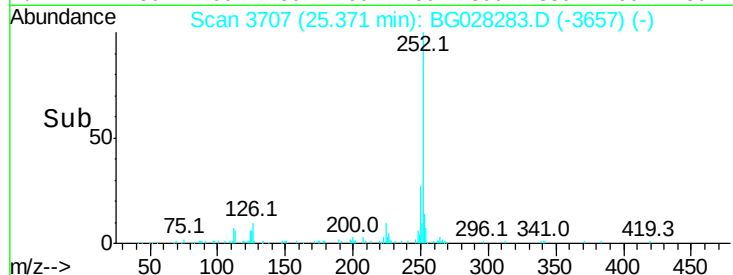
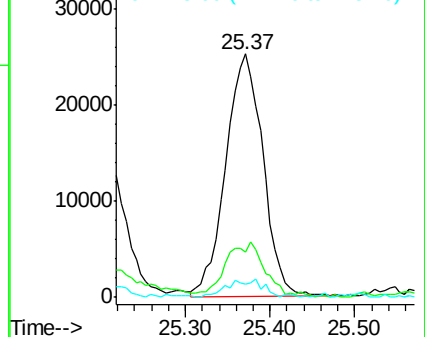
125 5.4 5.4 8.0



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: 1.523 ng/ul

RT: 29.54 min Scan# 4416

Delta R.T. -0.01 min

Lab File: BG028283.D

Acq: 11 Aug 2017 7:13

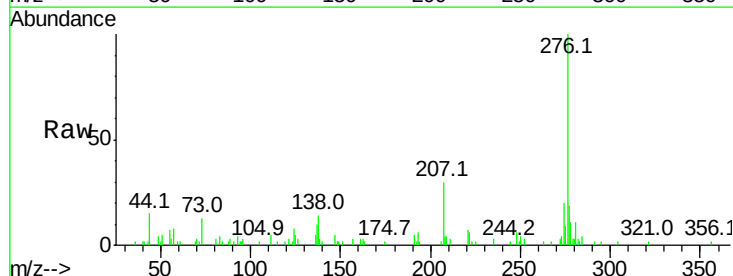
Tgt Ion:276 Resp: 38653

Ion Ratio Lower Upper

276 100

138 17.3 8.2 12.4#

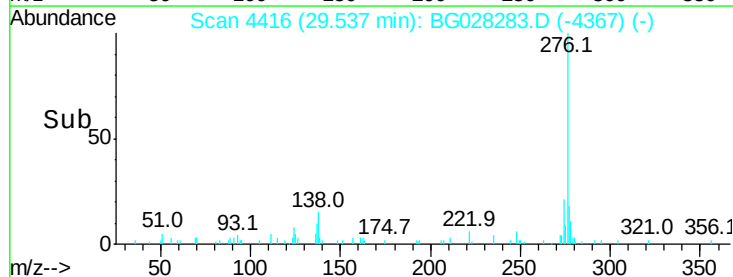
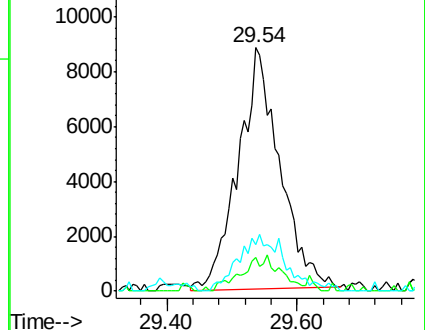
277 19.2 18.6 28.0

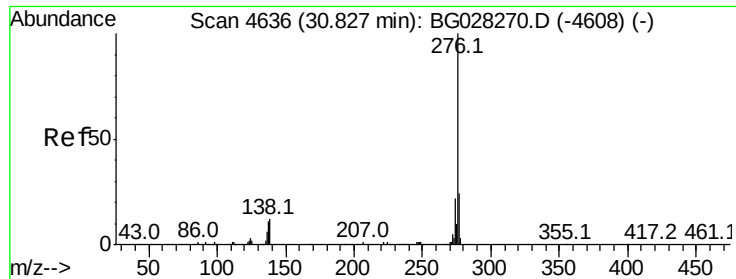


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 1.217 ng/ul

RT: 30.81 min Scan# 4632

Delta R.T. -0.02 min

Lab File: BG028283.D

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C0AF4

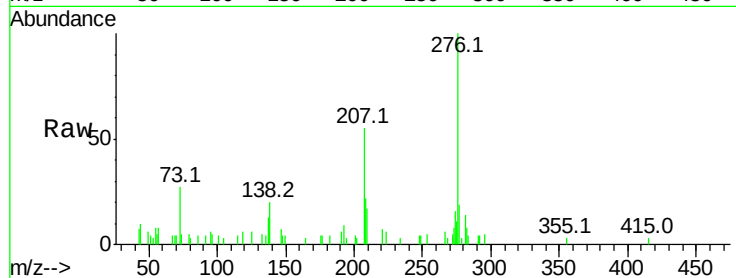
Tot Ion:276 Resp: 25412

Ion Ratio Lower Upper

276 100

138 20.3 8.6 12.8#

277 19.3 17.6 26.4



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

