

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102517\
 Data File : BG029460.D
 Acq On : 26 Oct 2017 2:37
 Operator : SJ/JU
 Sample : I5792-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 26 07:02:51 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 24 23:55:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	69871	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.98	136	332764	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	223902	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.52	188	523873	20.00	ng/ul	0.00
75) Chrysene-d12	21.80	240	547166	20.00	ng/ul	0.00
83) Perylene-d12	25.11	264	565893	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	9828	5.72	ng/uL	0.00
5) Phenol-d5	7.31	99	208694	31.12	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.48	67	121187	28.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	162401	34.33	ng/ul	-0.01
13) 4-Methylphenol-d8	8.86	113	153053	28.26	ng/ul	-0.01
19) Nitrobenzene-d5	9.33	128	83653	35.02	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	99760	40.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	184308	33.04	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.11	131	182446	28.15	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	601181	31.41	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	759287	32.62	ng/ul	0.00
51) 4-Nitrophenol-d4	14.96	143	38424	10.87	ng/ul	-0.01
57) Fluorene-d10	15.77	176	556619	35.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	20384	7.97	ng/ul	-0.01
70) Anthracene-d10	17.62	188	804647	32.48	ng/ul	-0.01
76) Pyrene-d10	19.90	212	929287	32.81	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.89	264	903999	33.73	ng/ul	0.00

Target Compounds

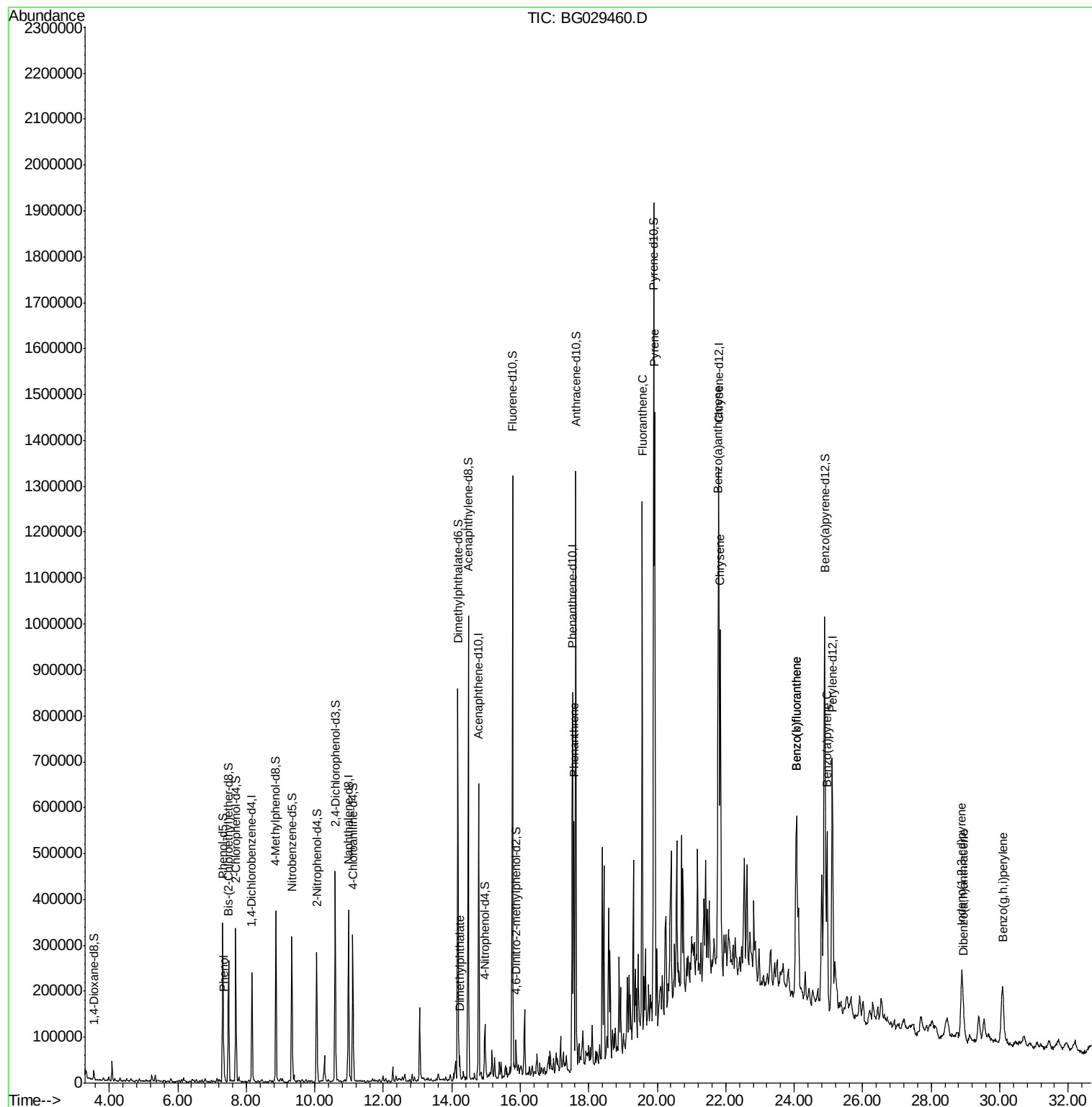
					Ovalue	
6) Phenol	7.34	94	25448	3.667	ng/ul#	88
44) Dimethylphthalate	14.23	163	32290	1.729	ng/ul	98
69) Phenanthrene	17.57	178	343371	12.125	ng/ul	98
74) Fluoranthene	19.56	202	677722	21.413	ng/ul	99
77) Pyrene	19.93	202	848447	23.136	ng/ul	98
80) Benzo(a)anthracene	21.78	228	431803	12.592	ng/ul	95
82) Chrysene	21.84	228	574654	18.444	ng/ul	96
85) Benzo(b)fluoranthene	24.06	252	546945	16.100	ng/ul	98
86) Benzo(k)fluoranthene	24.06	252	546945	16.652	ng/ul	98
88) Benzo(a)pyrene	24.96	252	403172	12.192	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	28.89	276	270451	7.229	ng/ul	100
90) Dibenzo(a,h)anthracene	28.94	278	81385	2.619	ng/ul#	84
91) Benzo(g,h,i)perylene	30.08	276	275938	8.898	ng/ul#	95

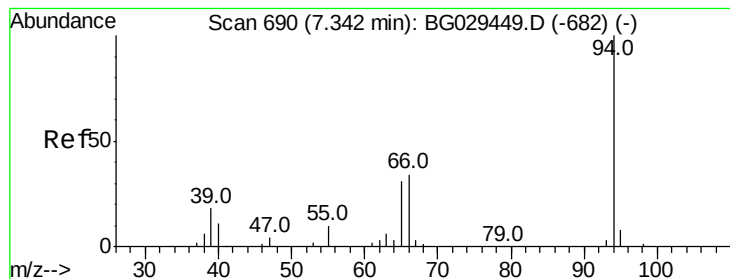
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.667 ng/ul

RT: 7.34 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG029460.D

Acq: 26 Oct 2017 2:37

Instrument :

BNA_G

ClientSampleId :

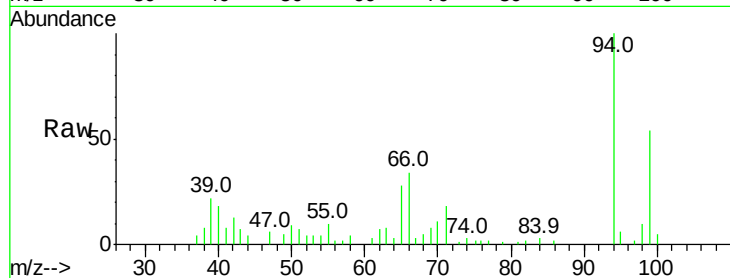
Tot Ion: 94 Resp: 25448

Ion Ratio Lower Upper

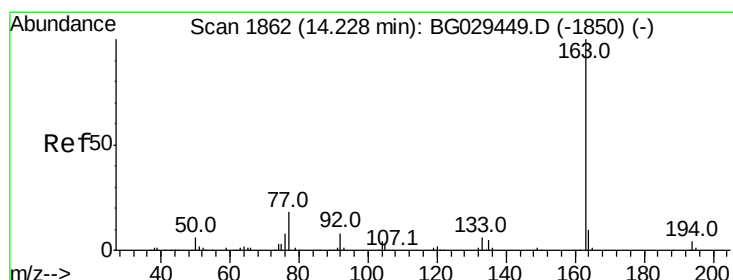
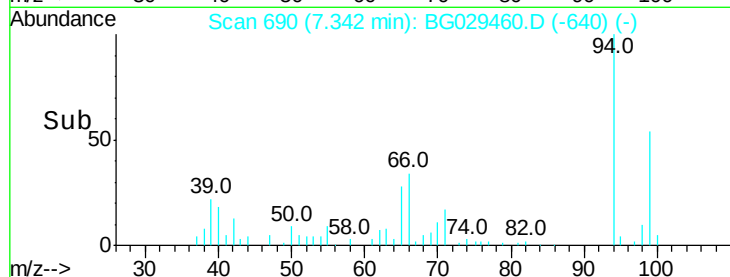
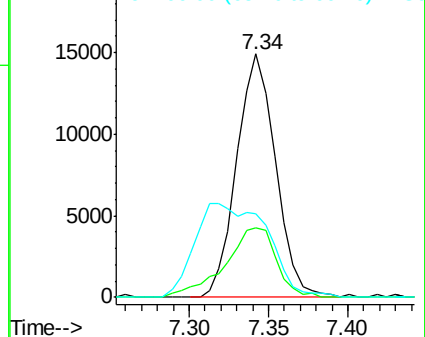
94 100

65 28.4 27.1 40.7

66 34.4 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



#44

Dimethylphthalate

Concen: 1.729 ng/ul

RT: 14.23 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BG029460.D

Acq: 26 Oct 2017 2:37

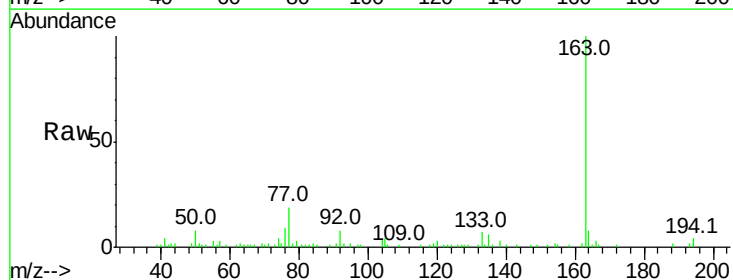
Tgt Ion:163 Resp: 32290

Ion Ratio Lower Upper

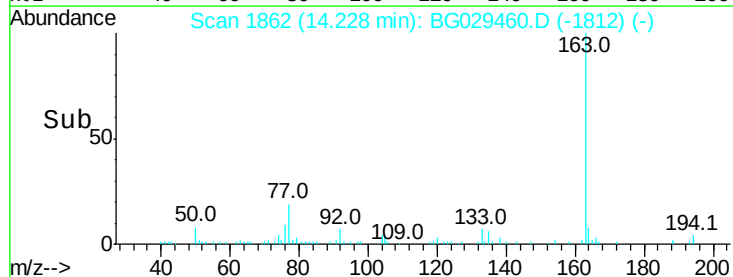
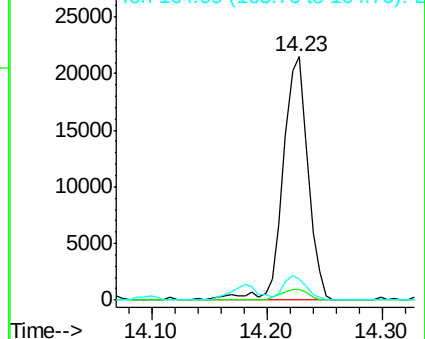
163 100

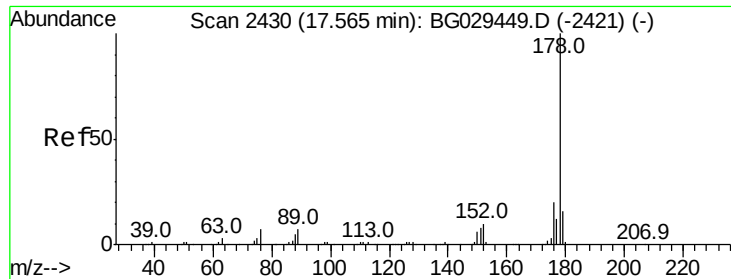
194 4.2 3.5 5.3

164 8.4 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





#69

Phenanthrene

Concen: 12.125 ng/ul

RT: 17.57 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG029460.D

Acq: 26 Oct 2017 2:37

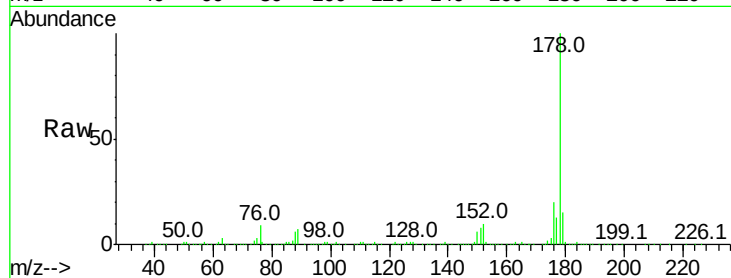
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 343371

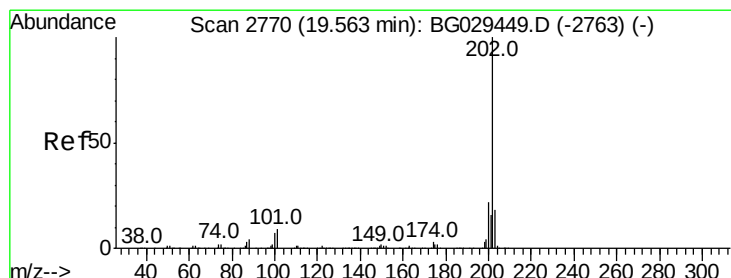
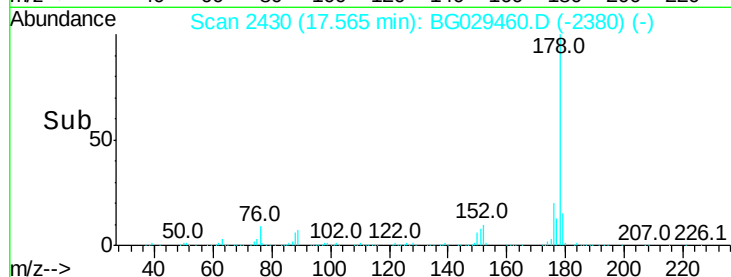
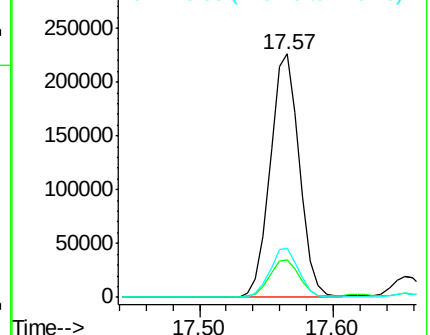
Ion	Ratio	Lower	Upper
178	100		
179	15.3	13.0	19.6
176	20.3	15.3	22.9



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



#74

Fluoranthene

Concen: 21.413 ng/ul

RT: 19.56 min Scan# 2770

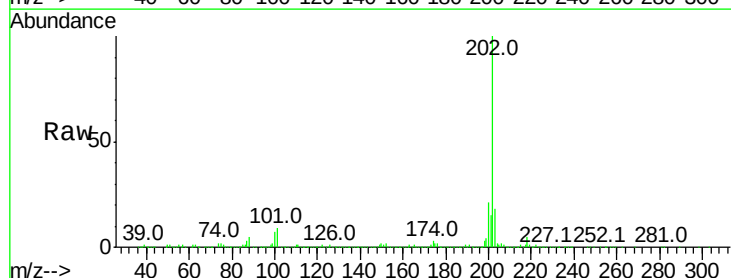
Delta R.T. -0.01 min

Lab File: BG029460.D

Acq: 26 Oct 2017 2:37

Tgt Ion:202 Resp: 677722

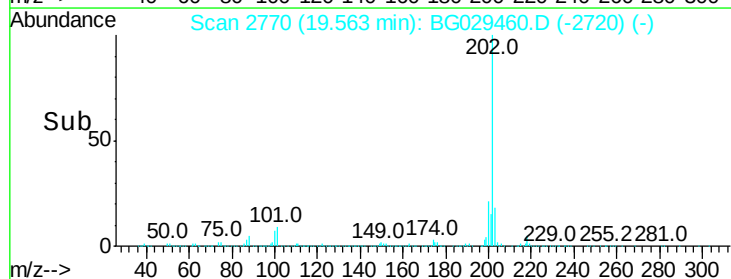
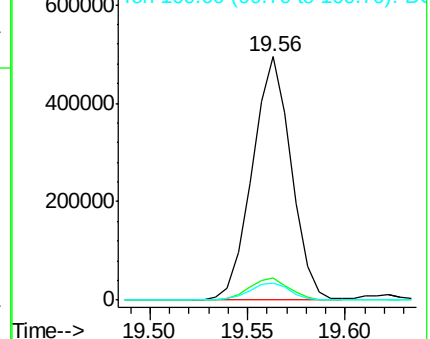
Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.4	11.2
100	7.0	5.6	8.4

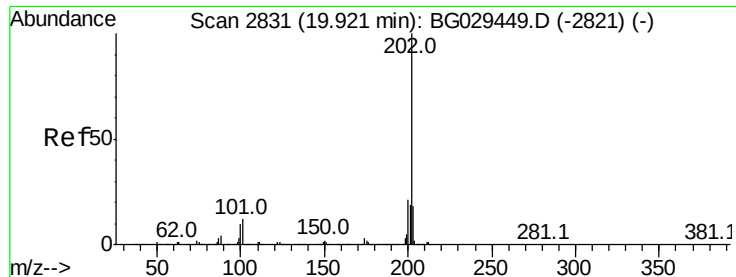


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 23.136 ng/ul

RT: 19.93 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BG029460.D

Acq: 26 Oct 2017 2:37

Instrument :

BNA_G

ClientSampleId :

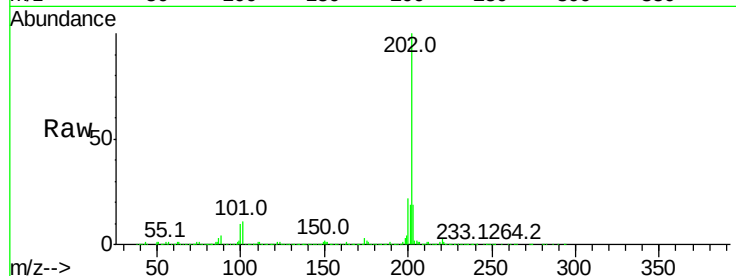
Tot Ion:202 Resp: 848447

Ion Ratio Lower Upper

202 100

101 11.0 8.4 12.6

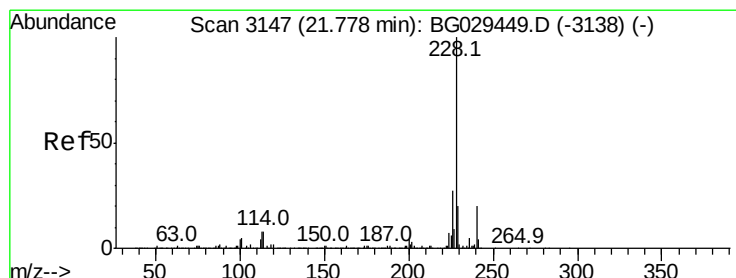
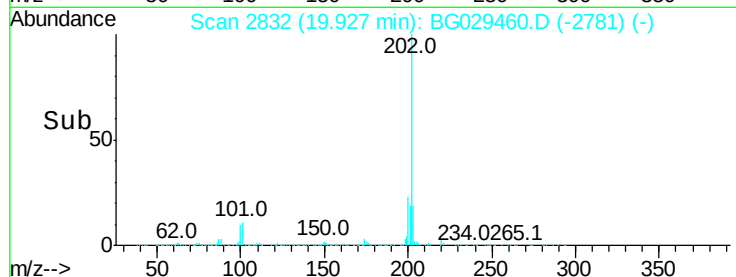
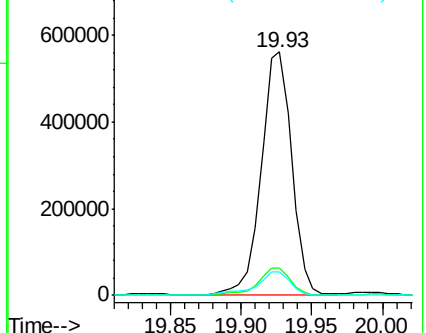
100 9.5 7.0 10.6



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): E



#80

Benzo(a)anthracene

Concen: 12.592 ng/ul

RT: 21.78 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG029460.D

Acq: 26 Oct 2017 2:37

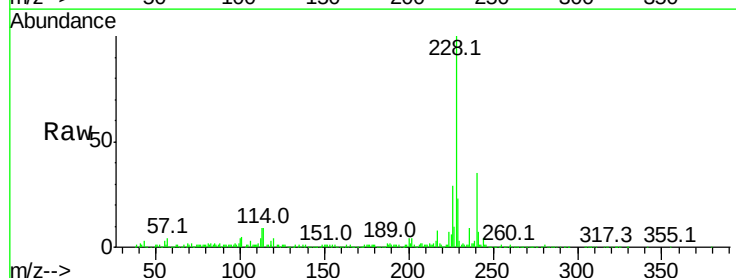
Tgt Ion:228 Resp: 431803

Ion Ratio Lower Upper

228 100

229 23.5 16.2 24.4

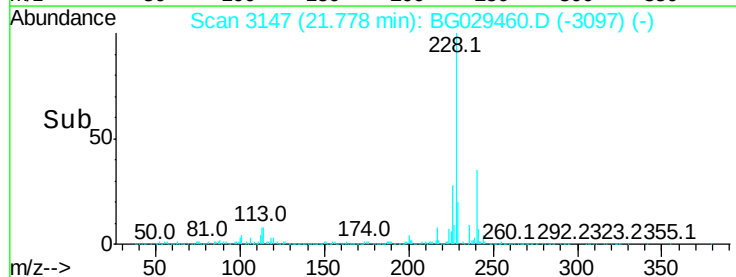
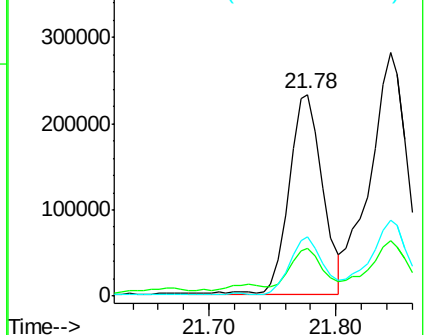
226 29.1 22.2 33.2

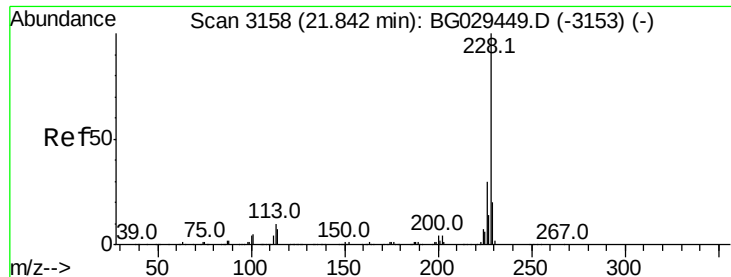


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 18.444 ng/ul

RT: 21.84 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG029460.D

Acq: 26 Oct 2017 2:37

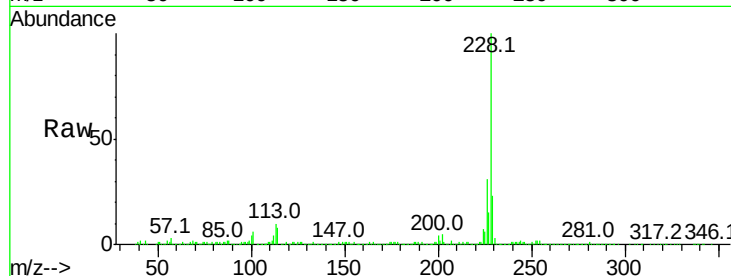
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 574654

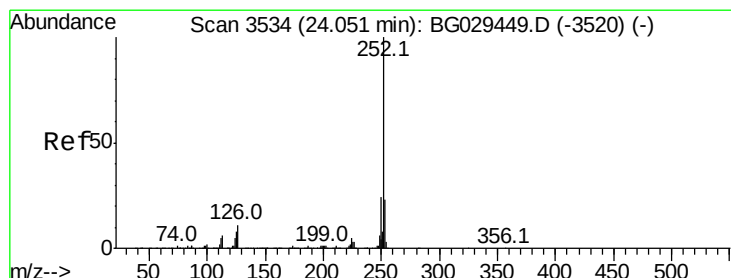
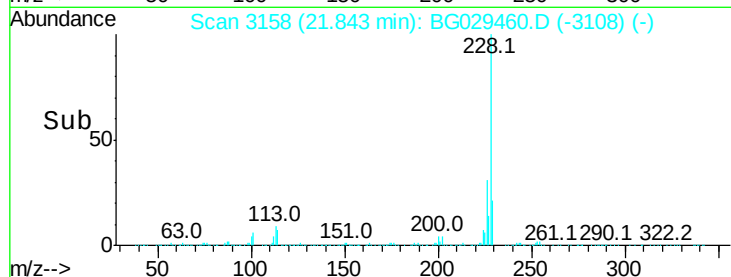
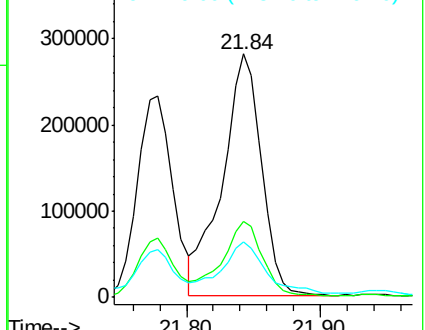
Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.2	36.2
229	22.6	15.2	22.8



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: 16.100 ng/ul

RT: 24.06 min Scan# 3536

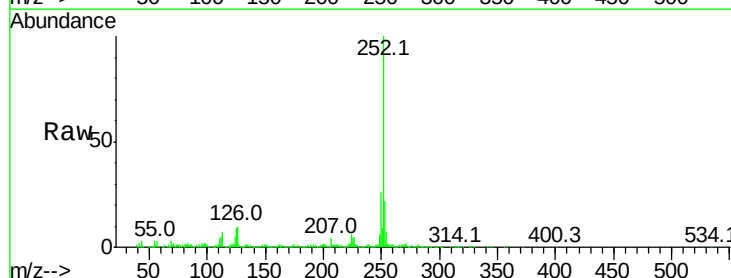
Delta R.T. -0.00 min

Lab File: BG029460.D

Acq: 26 Oct 2017 2:37

Tgt Ion:252 Resp: 546945

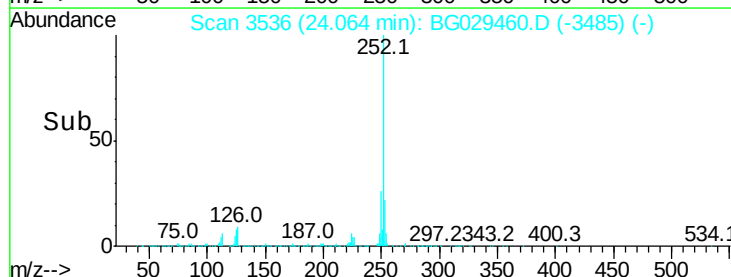
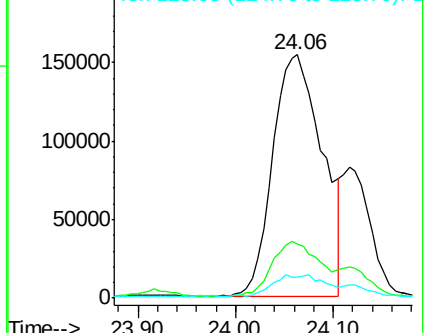
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.4
125	8.7	7.5	11.3

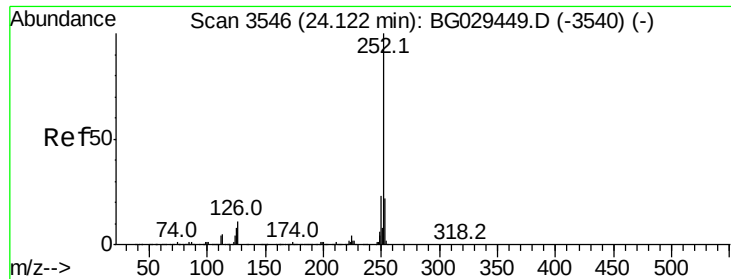


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 16.652 ng/ul

RT: 24.06 min Scan# 3536

Delta R.T. -0.07 min

Lab File: BG029460.D

Acq: 26 Oct 2017 2:37

Instrument :

BNA_G

ClientSampleId :

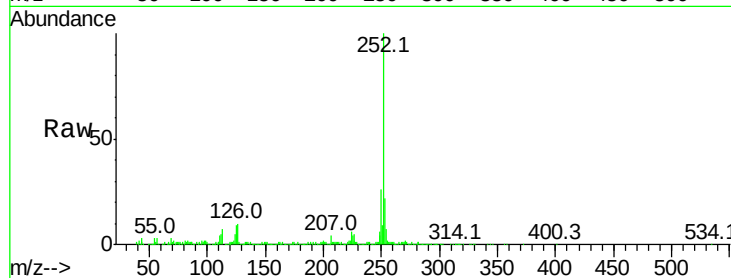
Tot Ion:252 Resp: 546945

Ion Ratio Lower Upper

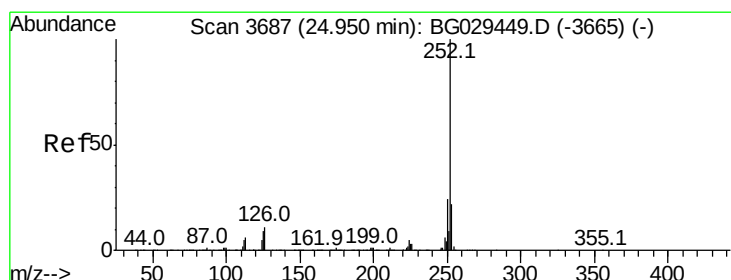
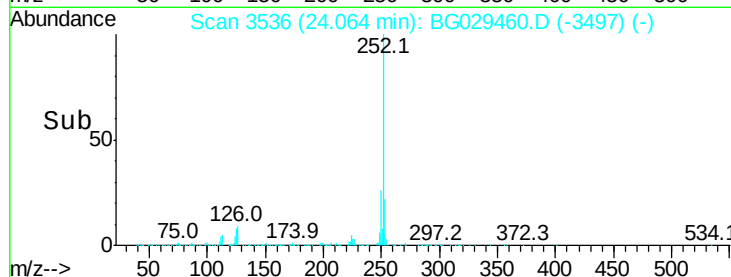
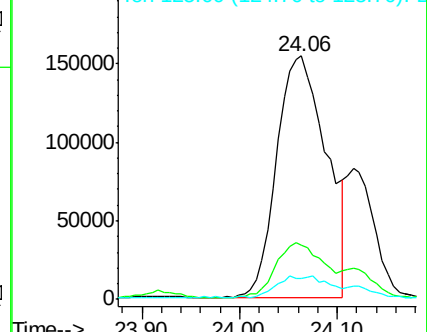
252 100

253 22.2 17.2 25.8

125 8.7 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: 12.192 ng/ul

RT: 24.96 min Scan# 3688

Delta R.T. -0.01 min

Lab File: BG029460.D

Acq: 26 Oct 2017 2:37

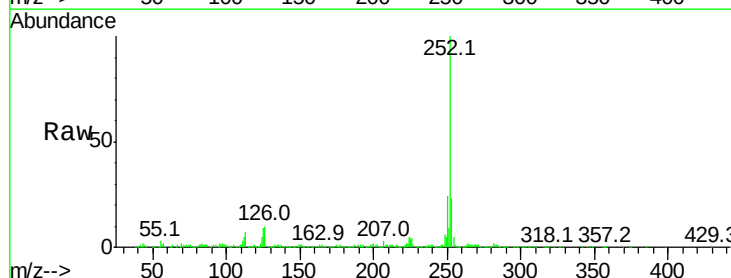
Tgt Ion:252 Resp: 403172

Ion Ratio Lower Upper

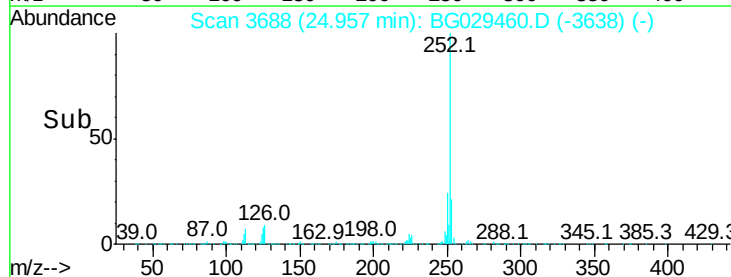
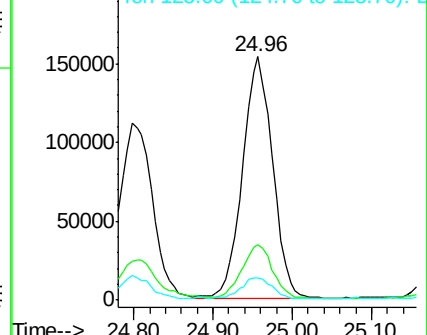
252 100

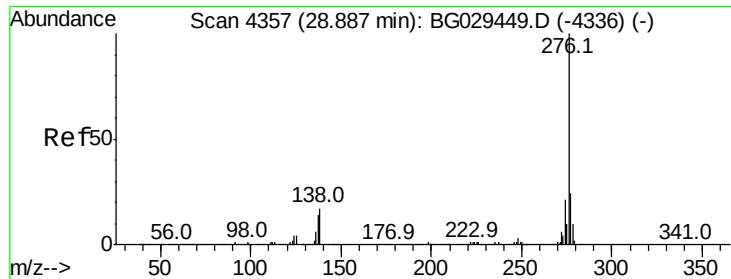
253 22.9 17.1 25.7

125 9.2 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



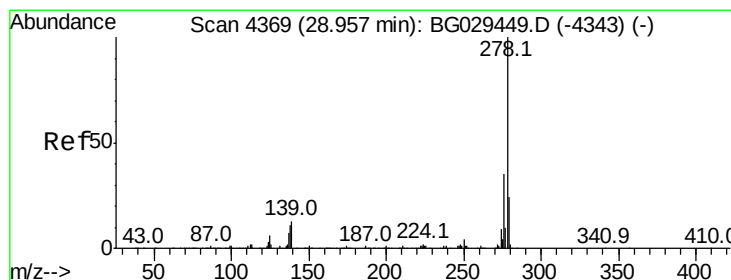
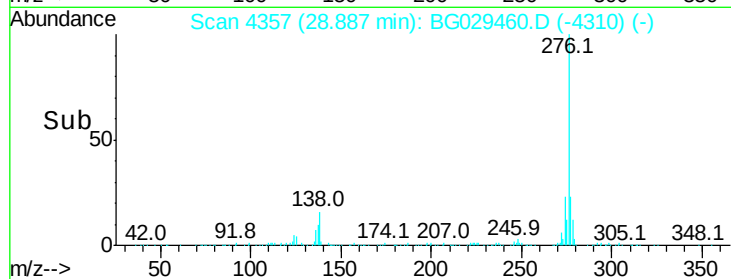
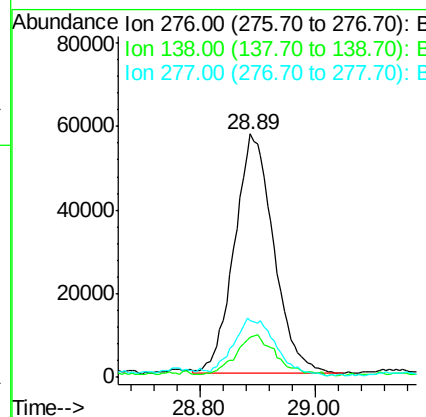
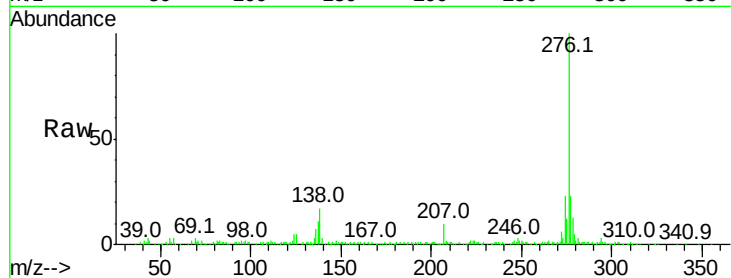


#89

Indeno(1,2,3-cd)pyrene
Concen: 7.229 ng/ul
RT: 28.89 min Scan# 4357
Delta R.T. -0.02 min
Lab File: BG029460.D
Acq: 26 Oct 2017 2:37

Instrument :
BNA_G
ClientSampleId :

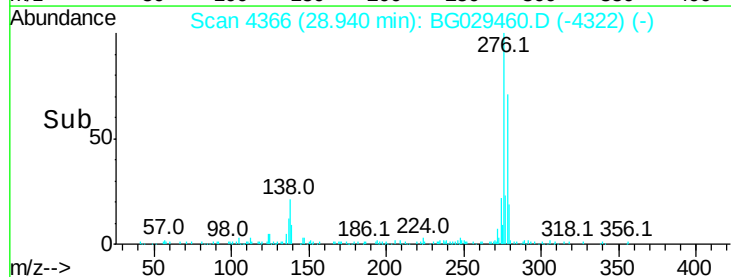
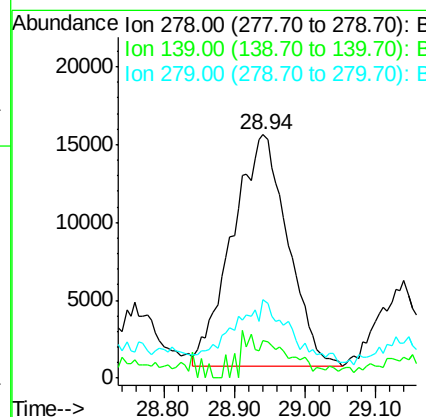
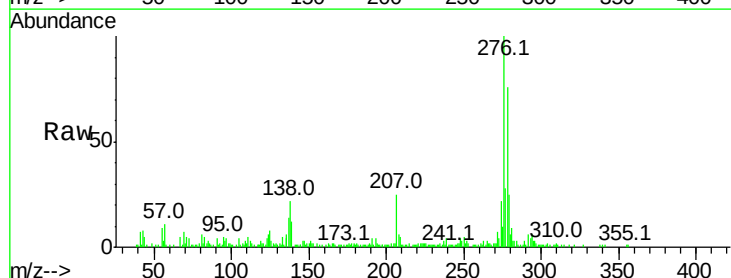
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.7	13.4	20.0
277	23.5	18.6	28.0

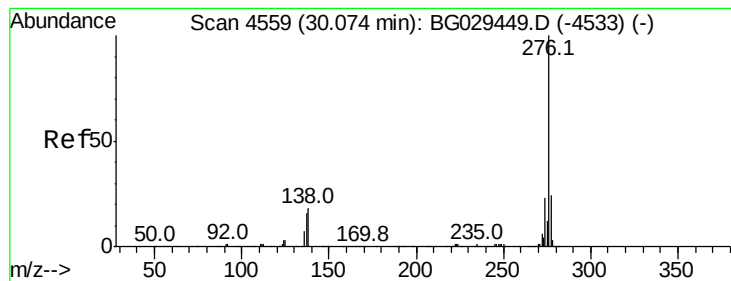


#90

Dibenzo(a,h)anthracene
Concen: 2.619 ng/ul
RT: 28.94 min Scan# 4366
Delta R.T. -0.04 min
Lab File: BG029460.D
Acq: 26 Oct 2017 2:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.2	9.4	14.2#
279	32.2	18.4	27.6#





#91

Benzo(a,h,i)perylene

Concen: 8.898 ng/ul

RT: 30.08 min Scan# 4560

Delta R.T. -0.02 min

Lab File: BG029460.D

Acq: 26 Oct 2017 2:37

Instrument :

BNA_G

ClientSampleId :

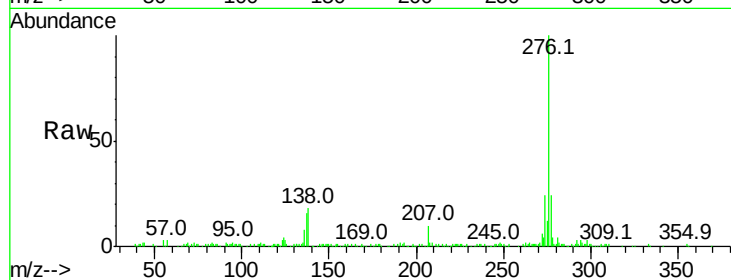
Tot Ion:276 Resp: 275938

Ion Ratio Lower Upper

276 100

138 18.1 12.1 18.1#

277 23.8 17.7 26.5



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

