

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
 Data File : BG025280.D
 Acq On : 17 Dec 2016 18:49
 Operator : UM/SJ
 Sample : H6040-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 00:24:15 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 18 00:18:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	79550	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	320476	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	236881	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	513288	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	651077	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	660667	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	4077	2.65	ng/uL	0.00
5) Phenol-d5	7.39	99	101714	14.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	67098	15.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	75723	15.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	82372	14.36	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	36798	16.21	ng/ul	0.00
22) 2-Nitrophenol-d4	10.13	143	44522	15.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	86216	15.85	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	23712	4.43	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	262442	16.11	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	317075	17.77	ng/ul	0.00
51) 4-Nitrophenol-d4	15.10	143	45492	16.25	ng/ul	0.02
57) Fluorene-d10	15.84	176	232377	15.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	46889	14.77	ng/ul	0.00
70) Anthracene-d10	17.70	188	365253	16.86	ng/ul	0.00
76) Pyrene-d10	19.97	212	470897	17.56	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	445252	16.63	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.42	94	24270	3.45 ng/ul	95
11) 2-Methylphenol	8.68	108	6120	1.18 ng/ul#	72
16) 4-Methylphenol	9.01	108	10117	1.75 ng/ul	83
17) Hexachloroethane	9.33	117	3088	1.44 ng/ul#	1
28) Naphthalene	11.11	128	30381	2.04 ng/ul#	94
34) 2-Methylnaphthalene	12.69	142	56239	4.78 ng/ul	99
40) 1,1'-Biphenyl	13.69	154	15442	1.08 ng/ul	96
44) Dimethylphthalate	14.30	163	82284	5.14 ng/ul	96
53) Dibenzofuran	15.25	168	34566	1.84 ng/ul	94
58) Fluorene	15.90	166	26346	1.72 ng/ul#	82
64) N-Nitrosodiphenylamine	16.10	169	17692	1.34 ng/ul#	53
69) Phenanthrene	17.65	178	120565	4.92 ng/ul	96
74) Fluoranthene	19.64	202	77450	2.66 ng/ul	99
77) Pyrene	20.00	202	116001	3.71 ng/ul#	82
80) Benzo(a)anthracene	21.88	228	55846	1.65 ng/ul#	60
81) Bis(2-ethylhexyl)phthalate	21.72	149	120719	7.16 ng/ul#	96
82) Chrysene	21.95	228	59290	1.87 ng/ul#	81
85) Benzo(b)fluoranthene	24.22	252	111737	3.41 ng/ul#	78
88) Benzo(a)pyrene	25.17	252	59441	1.89 ng/ul#	80
89) Indeno(1,2,3-cd)pyrene	29.29	276	46044	1.18 ng/ul#	80
91) Benzo(a,h,i)perylene	30.53	276	44257	1.35 ng/ul	93

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Dec 18 00:24:15 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 00:18:21 2016
Response via : Initial Calibration

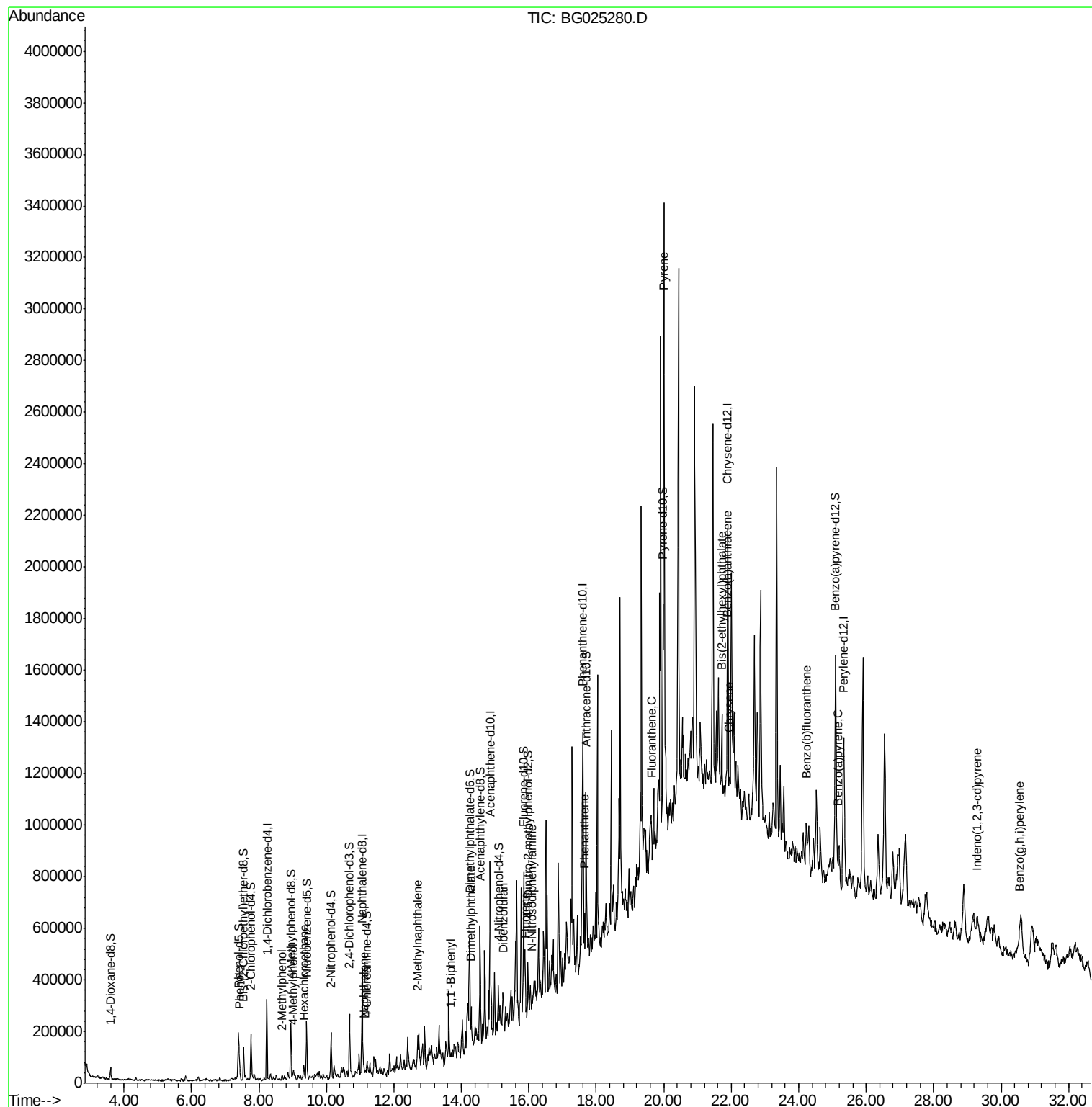
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

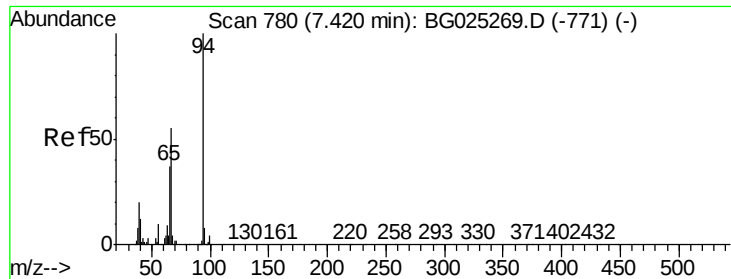
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025280.D
Acq On : 17 Dec 2016 18:49
Operator : UM/SJ
Sample : H6040-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Dec 18 00:24:15 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 00:18:21 2016
Response via : Initial Calibration





#6

Phenol

Concen: 3.45 ng/ul

RT: 7.42 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

Instrument :

BNA_G

ClientSampleId :

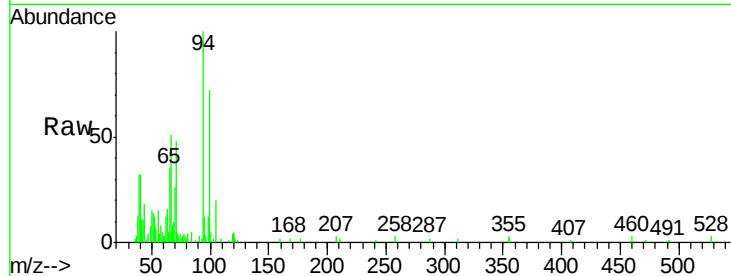
Tot Ion: 94 Resp: 24270

Ion Ratio Lower Upper

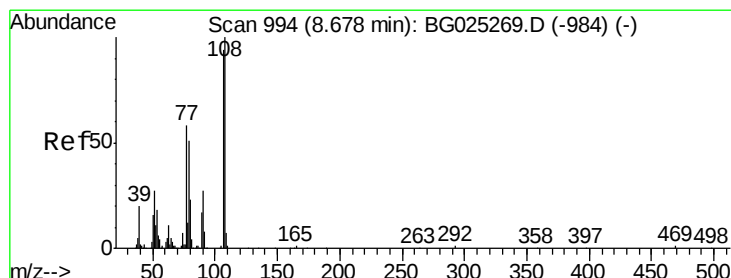
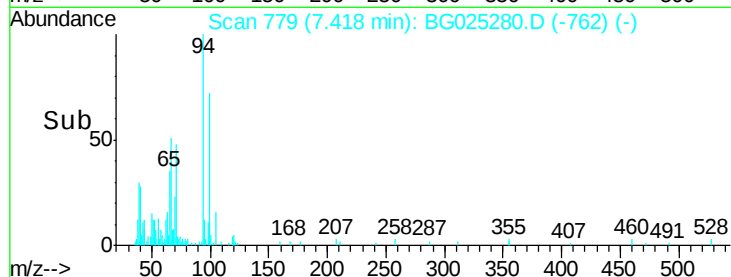
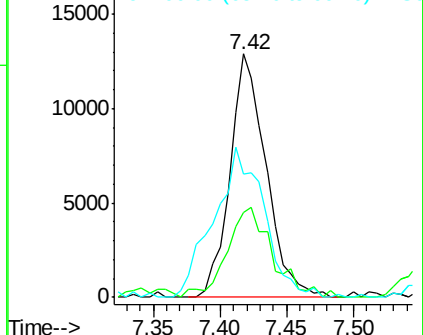
94 100

65 34.9 26.8 40.2

66 50.5 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



#11

2-Methylphenol

Concen: 1.18 ng/ul

RT: 8.68 min Scan# 994

Delta R.T. 0.00 min

Lab File: BG025280.D

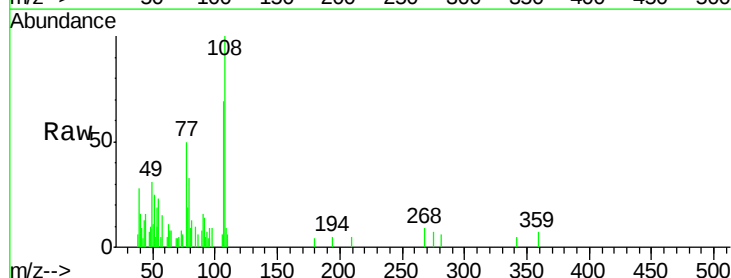
Acq: 17 Dec 2016 18:49

Tgt Ion: 108 Resp: 6120

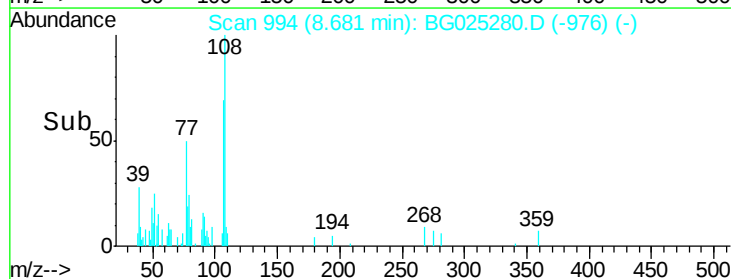
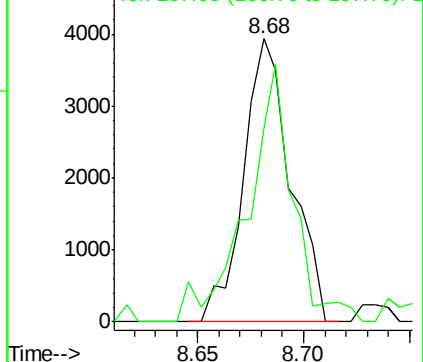
Ion Ratio Lower Upper

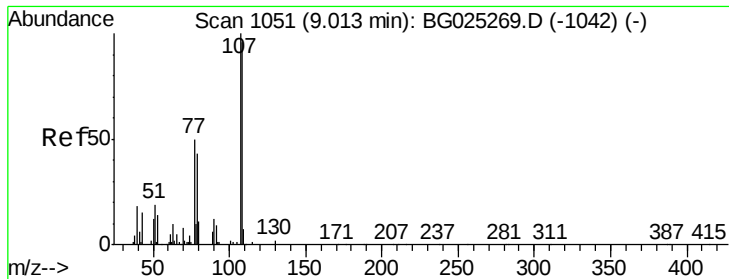
108 100

107 68.7 76.7 115.1#



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

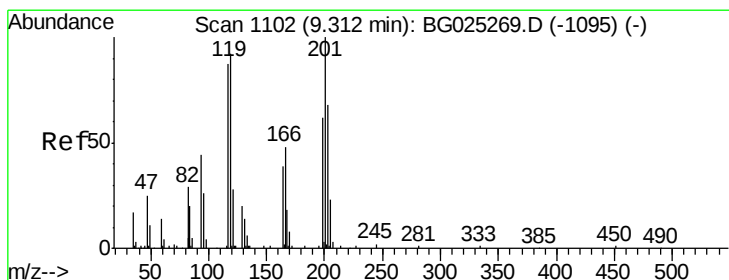
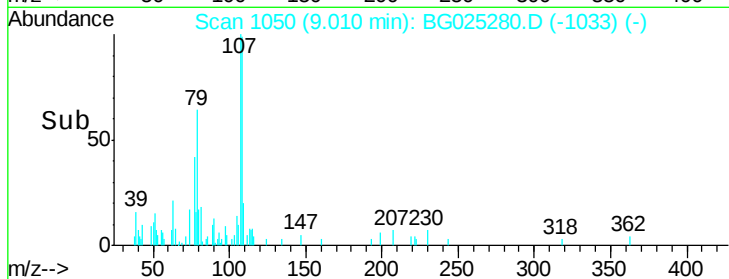
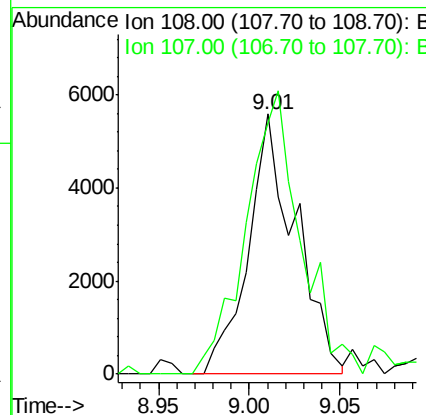
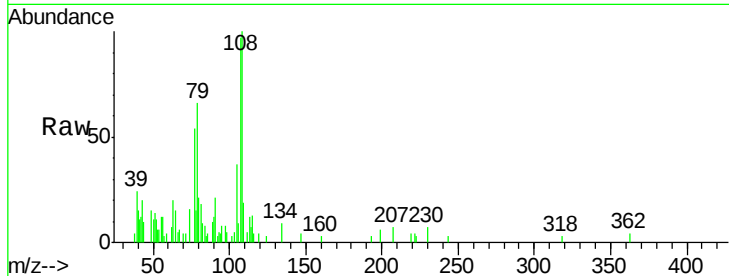




#16
4-Methylphenol
Concen: 1.75 ng/ul
RT: 9.01 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BG025280.D
Acq: 17 Dec 2016 18:49

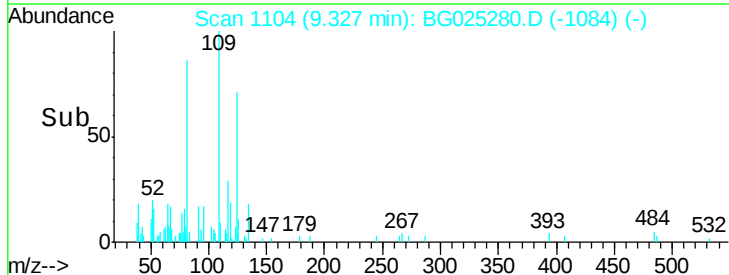
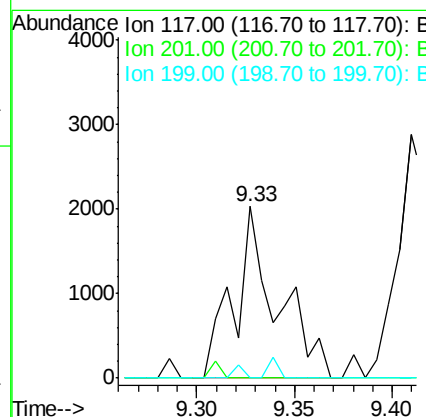
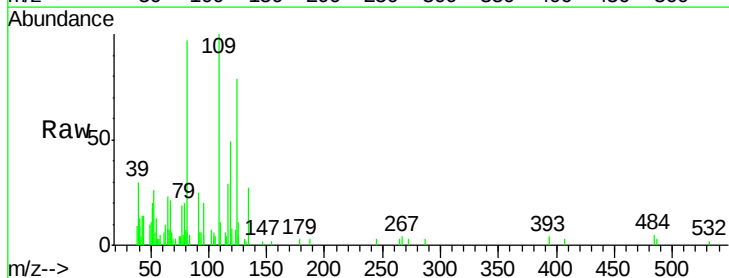
Instrument :
BNA_G
ClientSampleId :

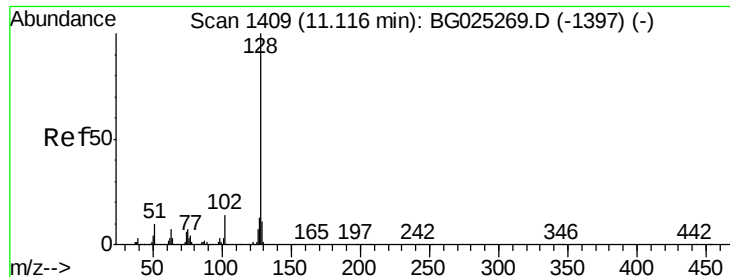
Tot Ion:108 Resp: 10117
Ion Ratio Lower Upper
108 100
107 96.6 91.7 137.5



#17
Hexachloroethane
Concen: 1.44 ng/ul
RT: 9.33 min Scan# 1104
Delta R.T. 0.02 min
Lab File: BG025280.D
Acq: 17 Dec 2016 18:49

Tgt Ion:117 Resp: 3088
Ion Ratio Lower Upper
117 100
201 0.0 91.9 137.9#
199 0.0 64.3 96.5#





#28

Naphthalene

Concen: 2.04 ng/ul

RT: 11.11 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

Instrument :

BNA_G

ClientSampleId :

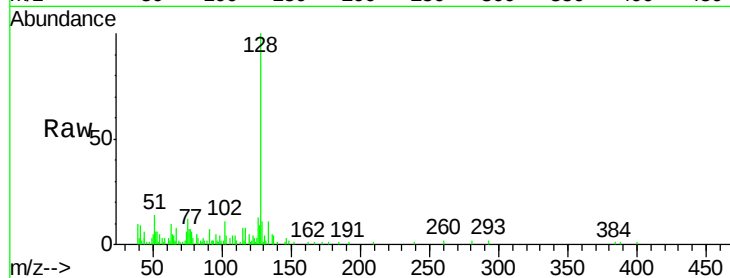
Tot Ion:128 Resp: 30381

Ion Ratio Lower Upper

128 100

129 11.4 9.4 14.2

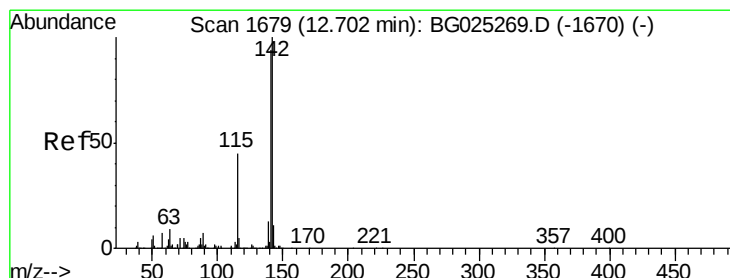
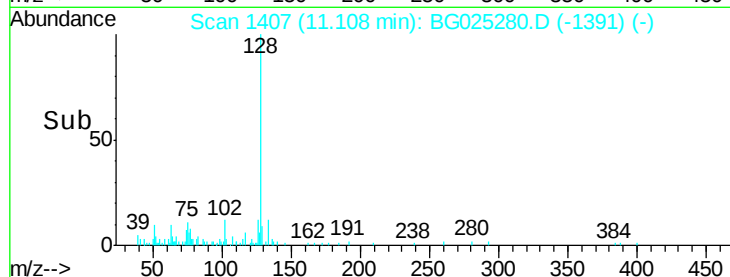
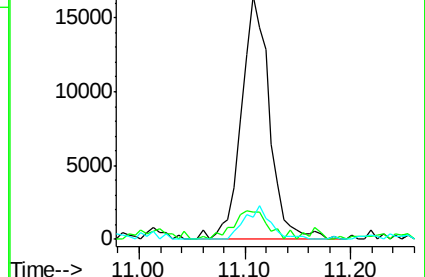
127 9.1 10.3 15.5#



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: 4.78 ng/ul

RT: 12.69 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BG025280.D

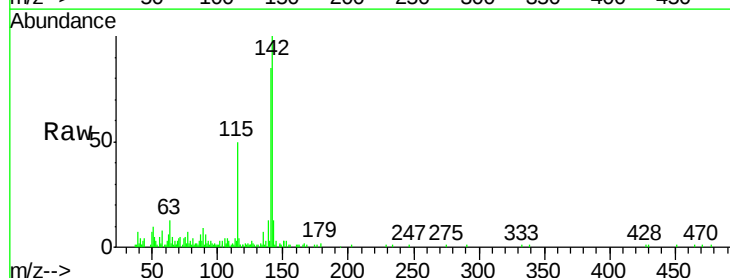
Acq: 17 Dec 2016 18:49

Tgt Ion:142 Resp: 56239

Ion Ratio Lower Upper

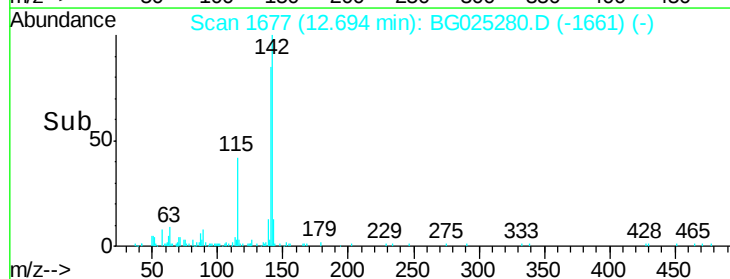
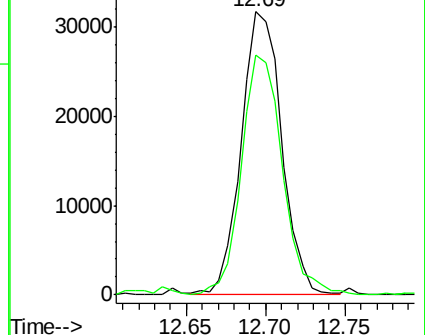
142 100

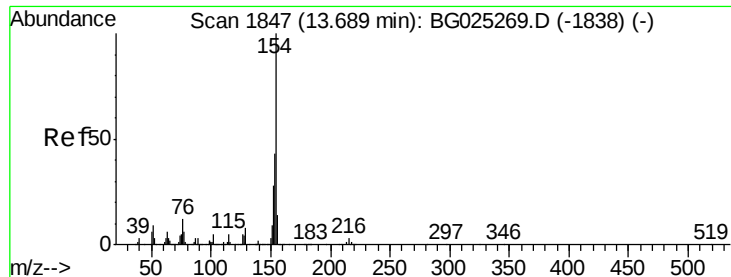
141 84.7 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 1.08 ng/ul

RT: 13.69 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

Instrument :

BNA_G

ClientSampleId :

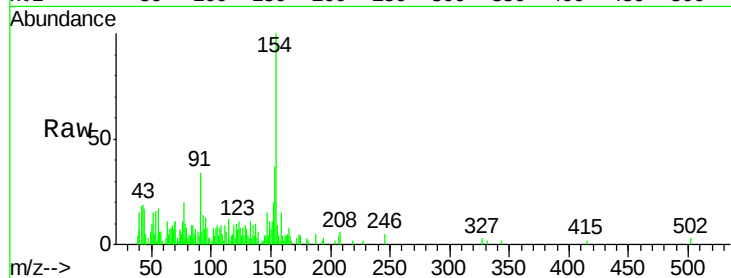
Tot Ion:154 Resp: 15442

Ion Ratio Lower Upper

154 100

153 37.4 32.2 48.2

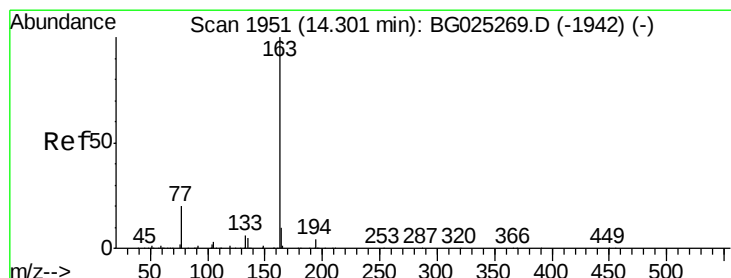
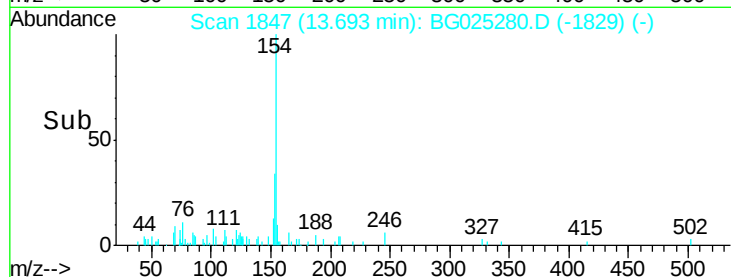
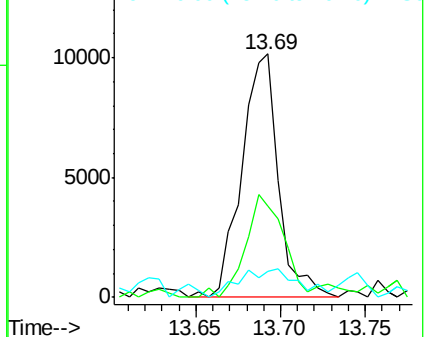
76 10.6 9.6 14.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#44

Dimethylphthalate

Concen: 5.14 ng/ul

RT: 14.30 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

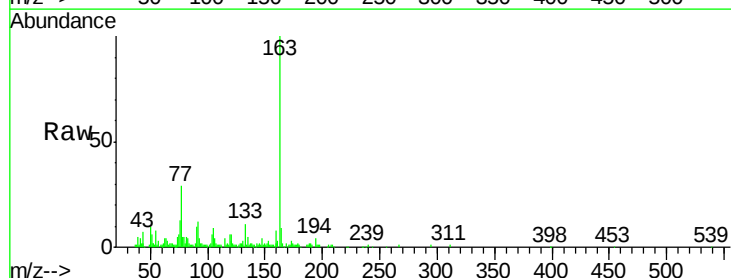
Tgt Ion:163 Resp: 82284

Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.0

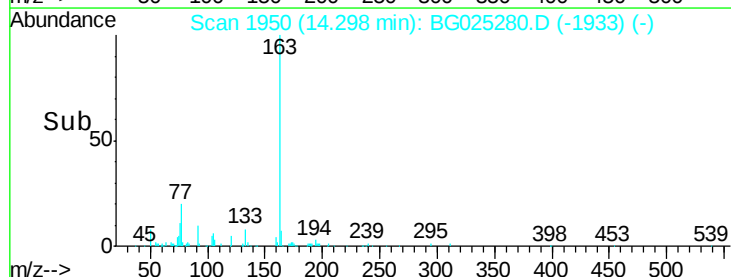
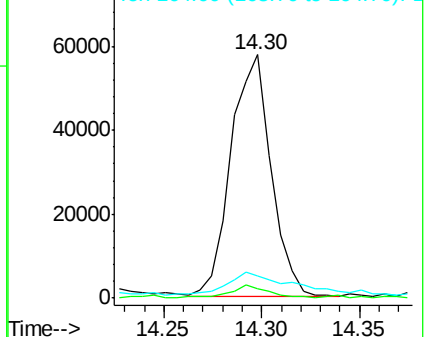
164 9.2 9.0 13.4

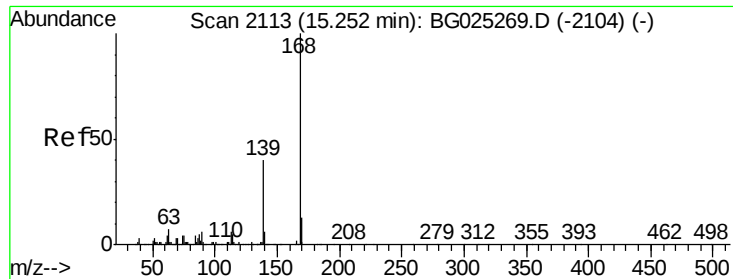


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#53

Dibenzenofuran

Concen: 1.84 ng/ul

RT: 15.25 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

Instrument :

BNA_G

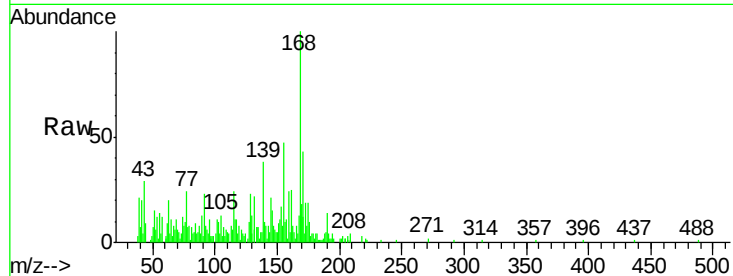
ClientSampled :

Tot Ion:168 Resp: 34566

Ion Ratio Lower Upper

168 100

139 38.4 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.25

20000

15000

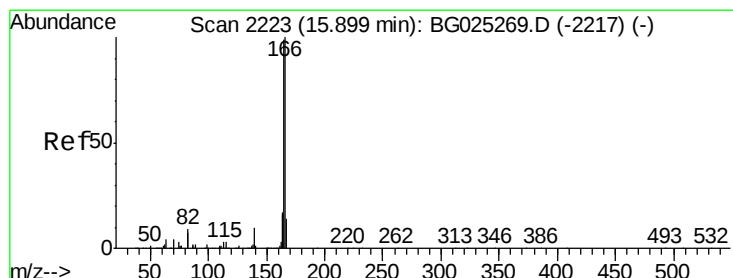
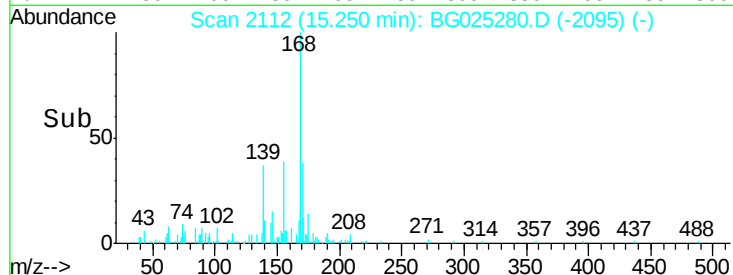
10000

5000

0

15.20 15.25 15.30

Time-->



#58

Fluorene

Concen: 1.72 ng/ul

RT: 15.90 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

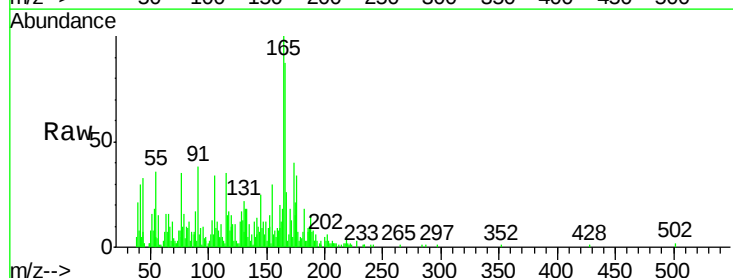
Tgt Ion:166 Resp: 26346

Ion Ratio Lower Upper

166 100

165 114.4 79.7 119.5

167 29.6 11.4 17.2#



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

15.90

20000

15000

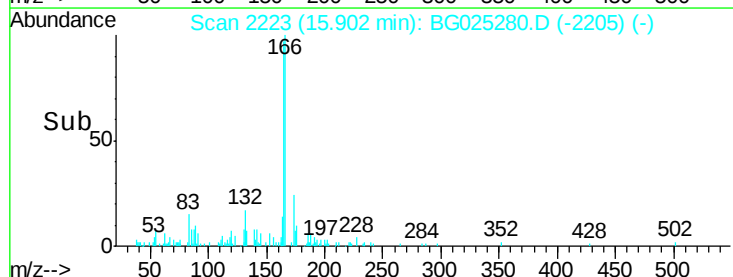
10000

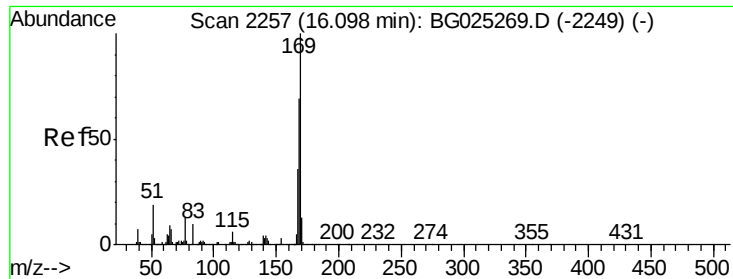
5000

0

15.85 15.90 15.95

Time-->





#64

N-Nitrosodiphenylamine

Concen: 1.34 ng/ul

RT: 16.10 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

Instrument :

BNA_G

ClientSampled :

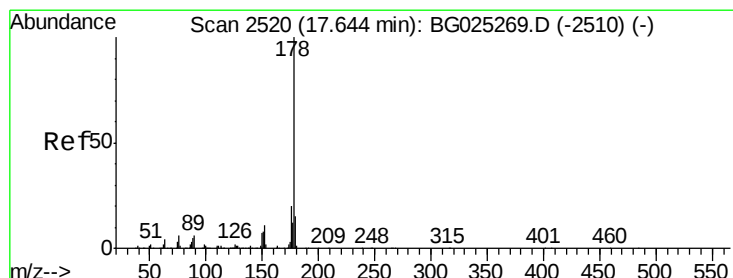
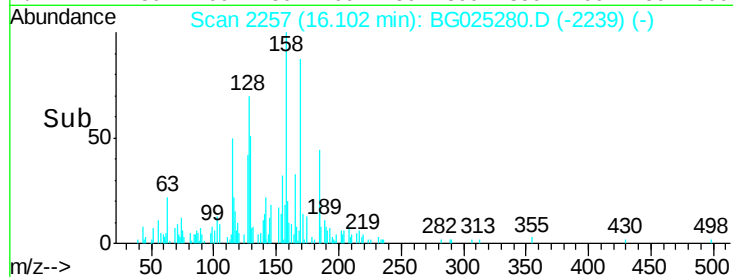
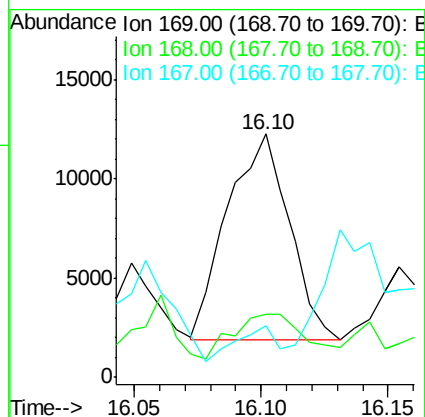
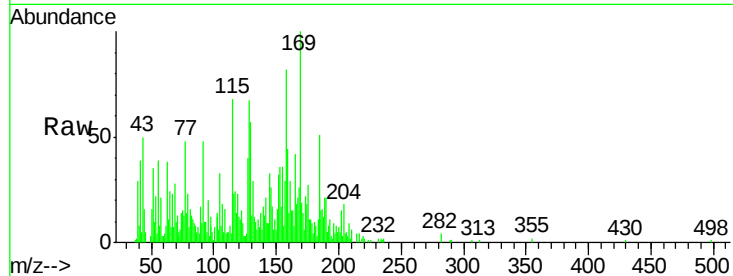
Tot Ion:169 Resp: 17692

Ion Ratio Lower Upper

169 100

168 26.2 59.1 88.7#

167 21.0 29.7 44.5#



#69

Phenanthrene

Concen: 4.92 ng/ul

RT: 17.65 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

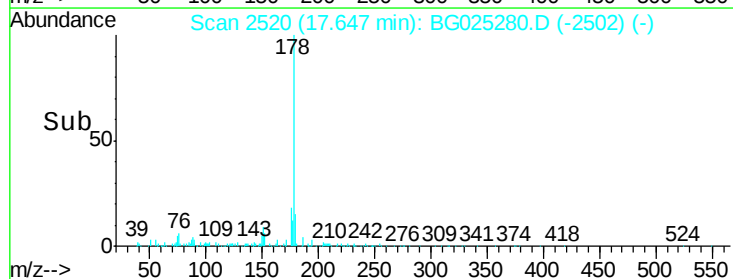
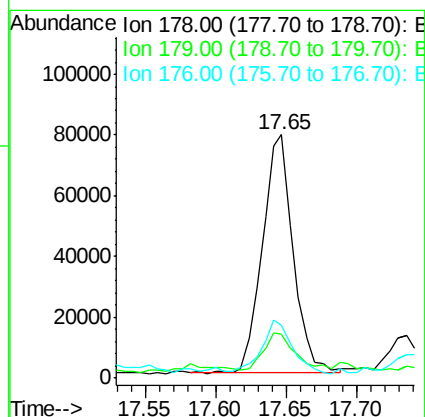
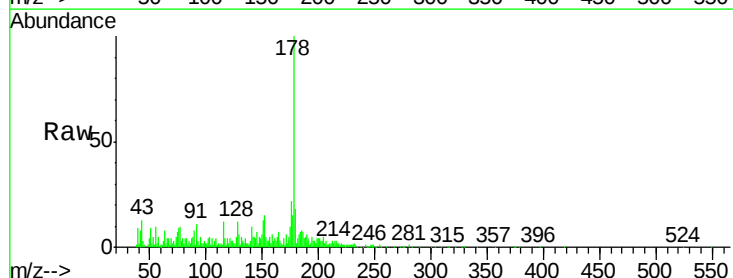
Tgt Ion:178 Resp: 120565

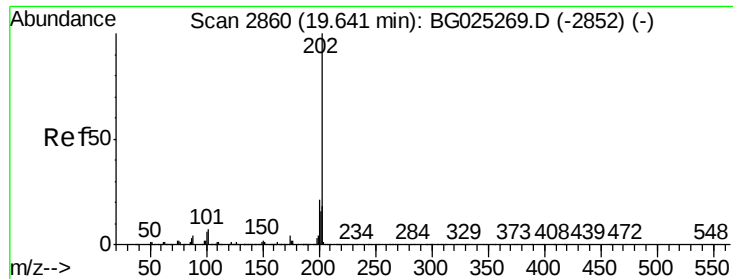
Ion Ratio Lower Upper

178 100

179 17.9 12.4 18.6

176 21.6 16.5 24.7





#74

Fluoranthene

Concen: 2.66 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

Instrument :

BNA_G

ClientSampleId :

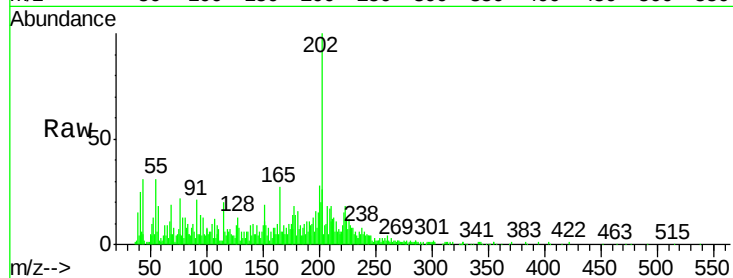
Tot Ion:202 Resp: 77450

Ion Ratio Lower Upper

202 100

101 7.8 6.2 9.2

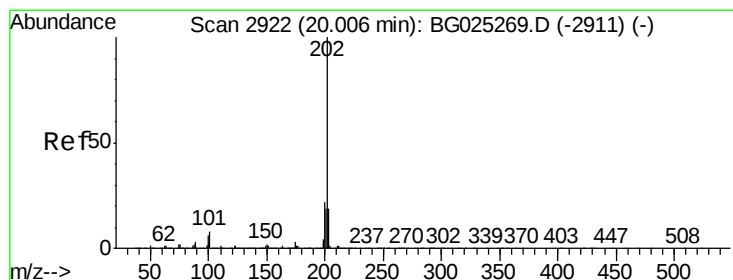
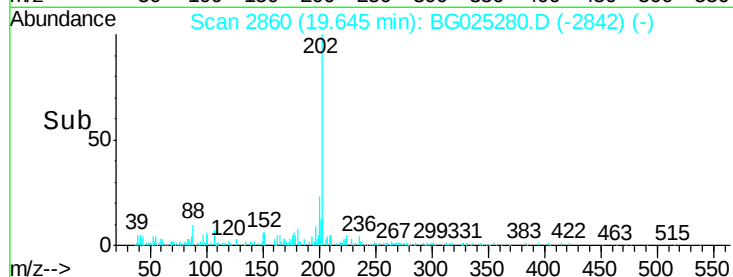
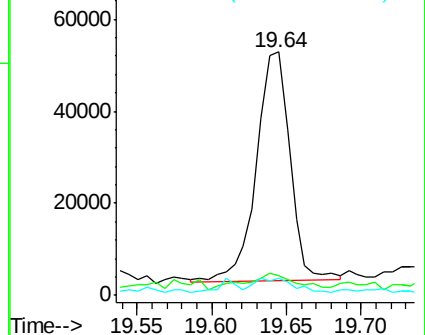
100 6.8 5.2 7.8



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: 3.71 ng/ul

RT: 20.00 min Scan# 2921

Delta R.T. -0.00 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

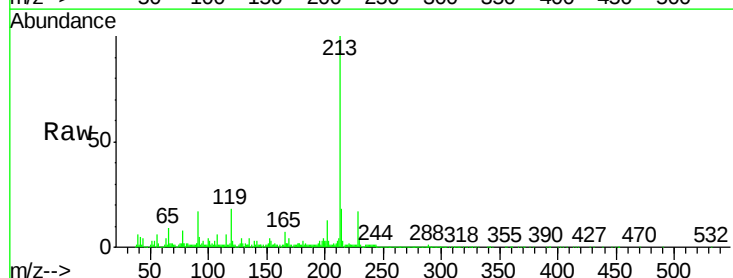
Tgt Ion:202 Resp: 116001

Ion Ratio Lower Upper

202 100

101 19.5 6.9 10.3#

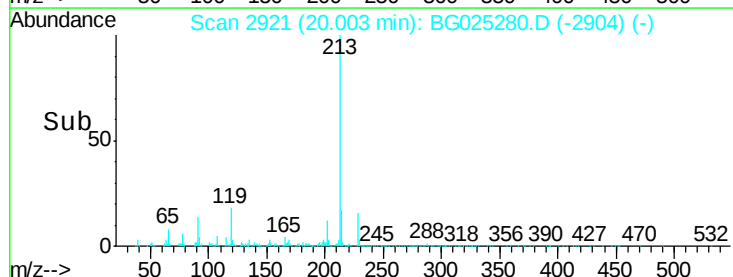
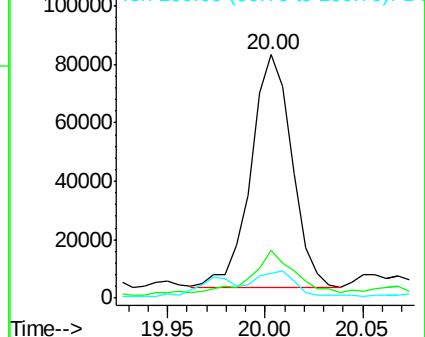
100 10.1 6.6 10.0#

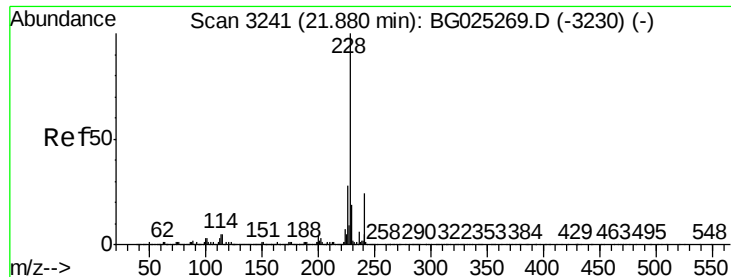


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.65 ng/ul

RT: 21.88 min Scan# 3240

Delta R.T. -0.00 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

Instrument :

BNA_G

ClientSampled :

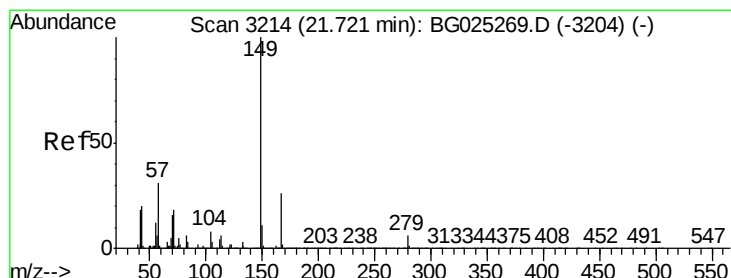
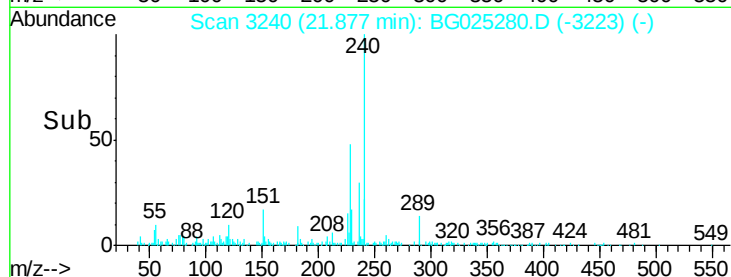
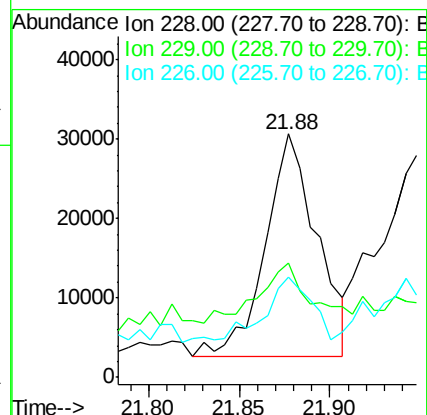
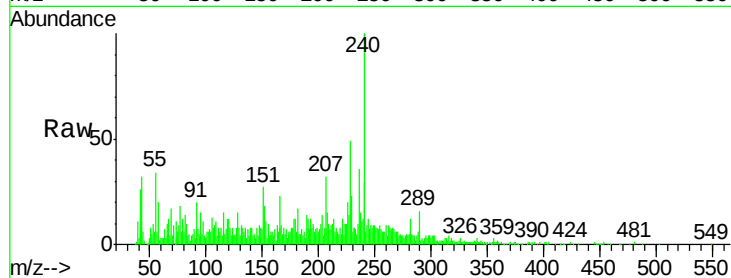
Tot Ion:228 Resp: 55846

Ion Ratio Lower Upper

228 100

229 46.8 16.3 24.5#

226 41.3 21.9 32.9#



#81

Bis(2-ethylhexyl)phthalate

Concen: 7.16 ng/ul

RT: 21.72 min Scan# 3213

Delta R.T. -0.00 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

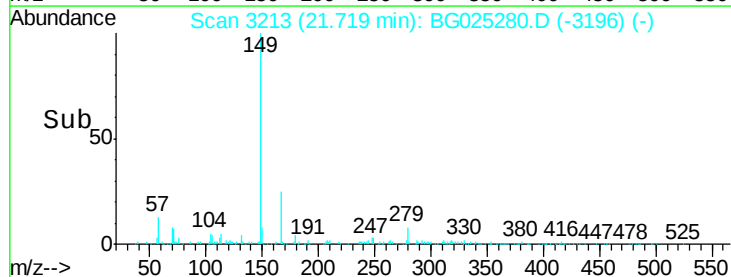
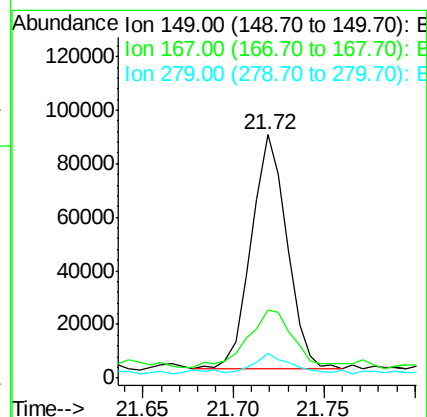
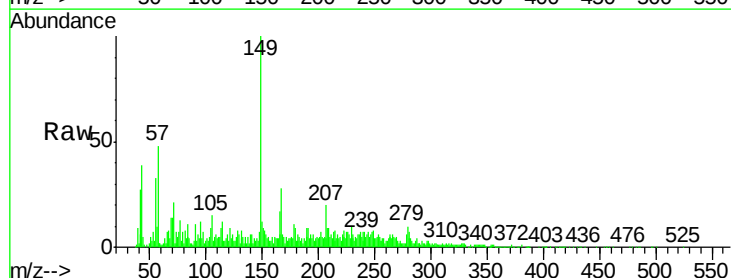
Tgt Ion:149 Resp: 120719

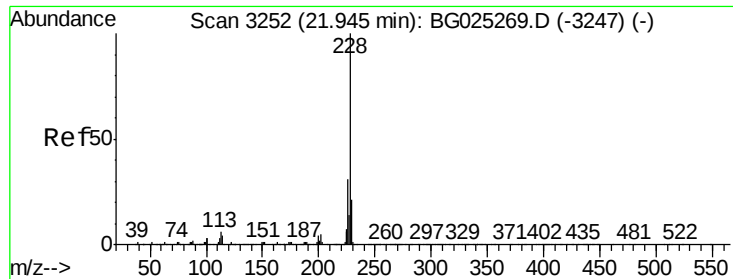
Ion Ratio Lower Upper

149 100

167 28.0 21.8 32.8

279 10.3 4.5 6.7#





#82

Chrysene

Concen: 1.87 ng/ul

RT: 21.95 min Scan# 3252

Delta R.T. 0.00 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

Instrument :

BNA_G

ClientSampleId :

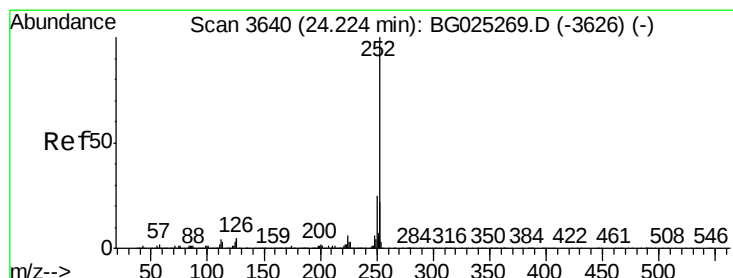
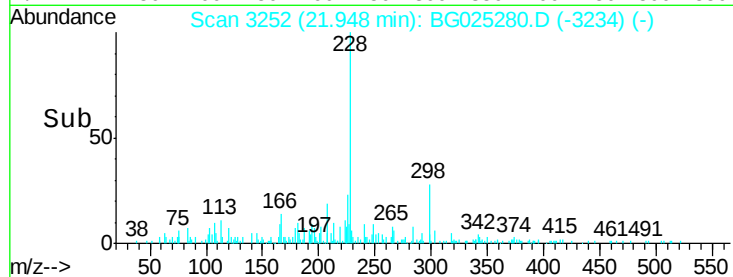
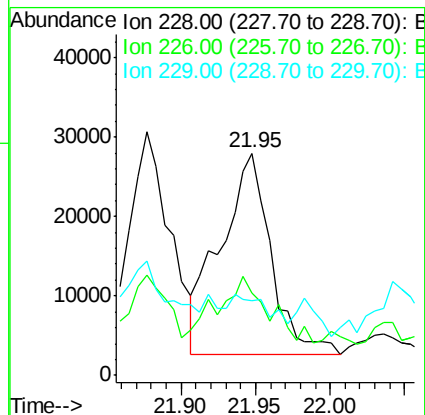
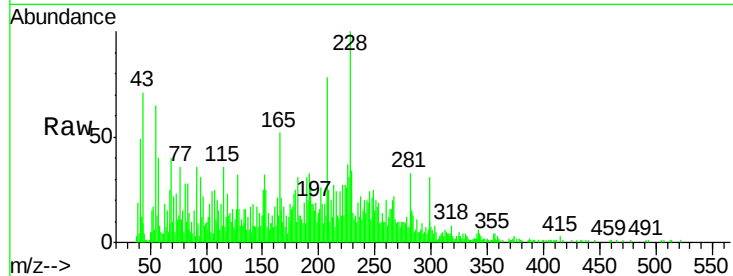
Tot Ion:228 Resp: 59290

Ion Ratio Lower Upper

228 100

226 37.3 24.0 36.0#

229 33.8 16.9 25.3#



#85

Benzo(b)fluoranthene

Concen: 3.41 ng/ul

RT: 24.22 min Scan# 3639

Delta R.T. -0.00 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

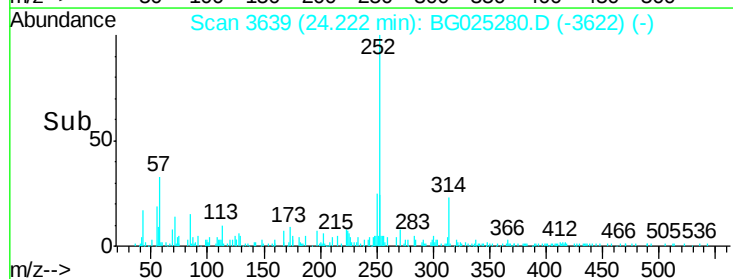
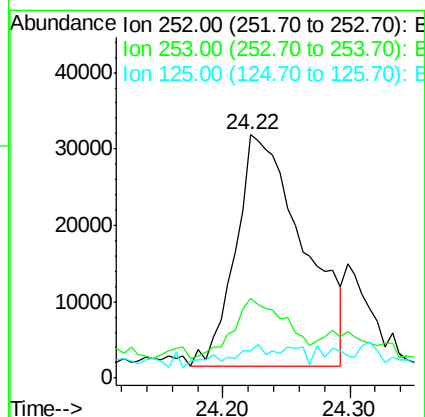
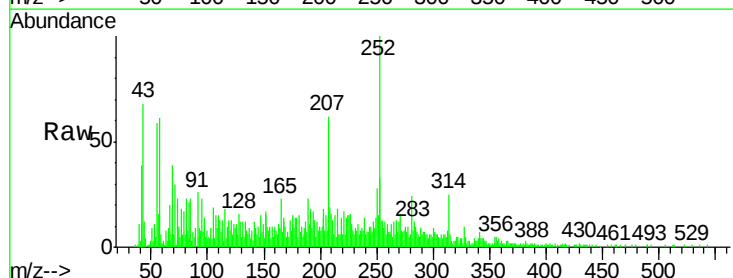
Tgt Ion:252 Resp: 111737

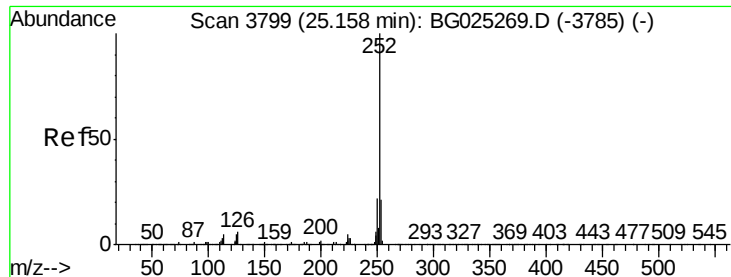
Ion Ratio Lower Upper

252 100

253 32.9 17.7 26.5#

125 11.3 4.0 6.0#





#88

Benzo(a)pyrene

Concen: 1.89 ng/ul

RT: 25.17 min Scan# 3800

Delta R.T. 0.01 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

Instrument :

BNA_G

ClientSampleId :

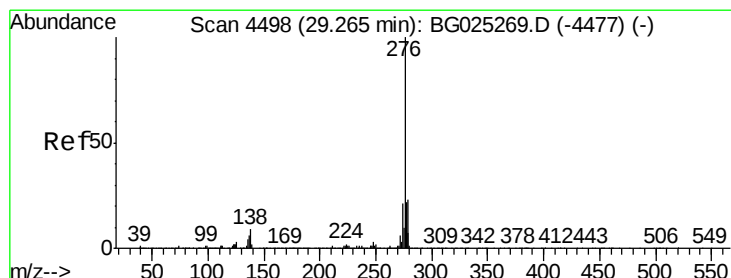
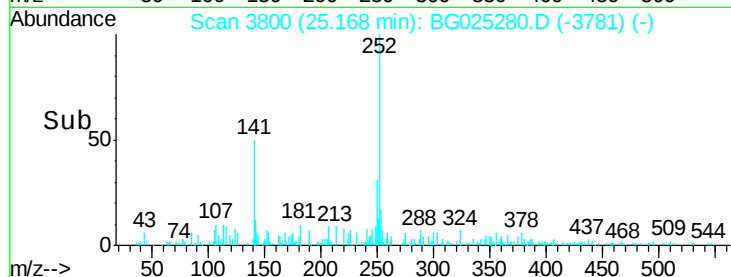
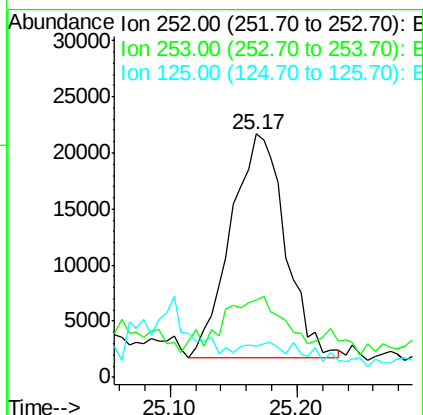
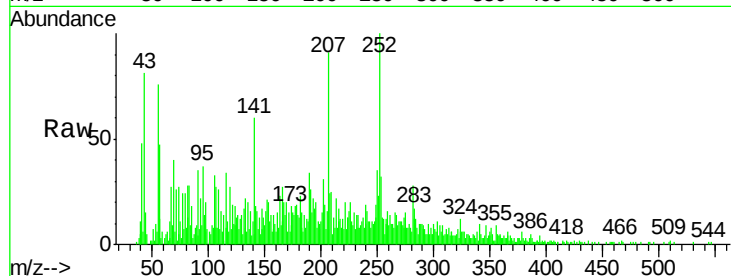
Tot Ion:252 Resp: 59441

Ion Ratio Lower Upper

252 100

253 31.9 17.8 26.6#

125 12.6 5.4 8.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.18 ng/ul

RT: 29.29 min Scan# 4501

Delta R.T. 0.02 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

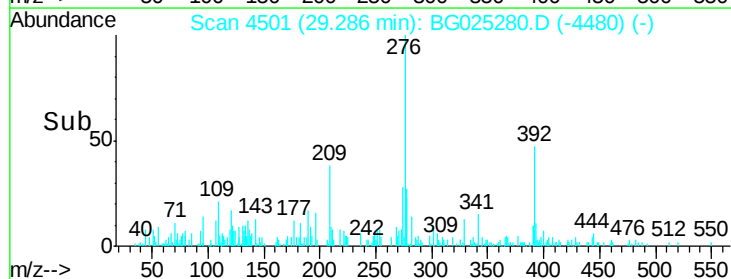
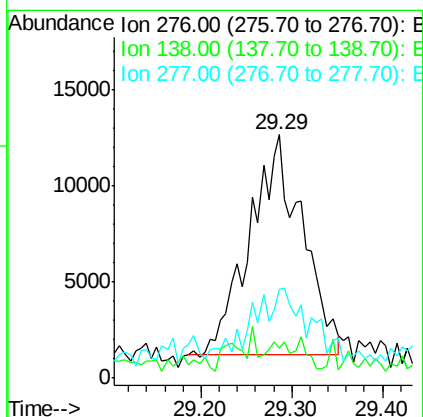
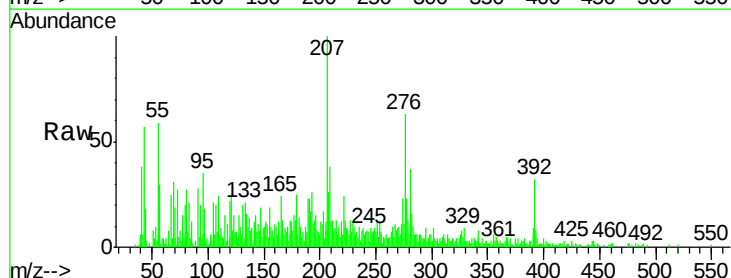
Tgt Ion:276 Resp: 46044

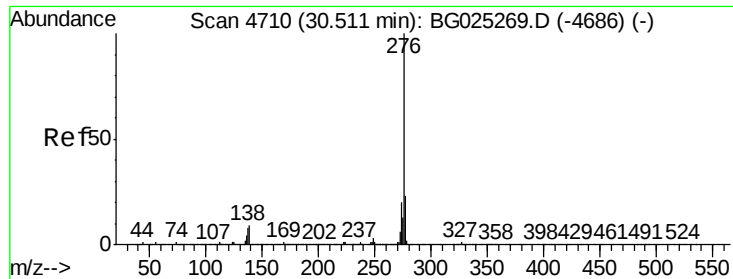
Ion Ratio Lower Upper

276 100

138 12.0 8.2 12.4

277 36.6 18.6 28.0#





#91

Benzo(a,h,i)perylene

Concen: 1.35 ng/ul

RT: 30.53 min Scan# 4713

Delta R.T. 0.02 min

Lab File: BG025280.D

Acq: 17 Dec 2016 18:49

Instrument :

BNA_G

ClientSampleId :

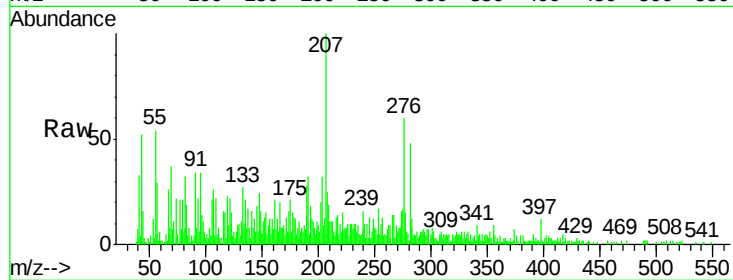
Tot Ion:276 Resp: 44257

Ion Ratio Lower Upper

276 100

138 12.6 8.6 12.8

277 25.9 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

