

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006640.D
 Acq On : 23 Jul 2016 00:54
 Operator : UM/SJ
 Sample : H4077-18DL 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT2DL

Quant Time: Jul 23 03:13:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	199236	20.00	ng/ul	0.01
7) Naphthalene-d8	10.40	136	846701	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	460691	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.03	188	993945	20.00	ng/ul	0.01
29) Chrysene-d12	21.23	240	998486	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1111171	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	497	0.10	ng/uL	0.00
3) Phenol-d5	6.81	99	26468	1.56	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.96	67	17949	1.71	ng/ul	0.01
5) 2-Chlorophenol-d4	7.16	132	20064	1.48	ng/ul	0.00
6) 4-Methylphenol-d8	8.34	113	19008	1.45	ng/ul	0.01
8) Nitrobenzene-d5	8.78	128	10564	1.65	ng/ul	0.01
9) 2-Nitrophenol-d4	9.49	143	9080	1.33	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.04	165	19372	1.50	ng/ul	0.02
12) 4-Chloroaniline-d4	10.55	131	13740	0.97	ng/ul	0.02
16) Dimethylphthalate-d6	13.69	166	60003	1.66	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	79194	1.72	ng/ul	0.00
20) 4-Nitrophenol-d4	14.53	143	6317	1.01	ng/ul	0.04
21) Fluorene-d10	15.27	176	57415	1.78	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
26) Anthracene-d10	17.12	188	86494	1.83	ng/ul	0.00
30) Pyrene-d10	19.43	212	93864	2.06	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	88799	1.74	ng/ul	0.02

Target Compounds

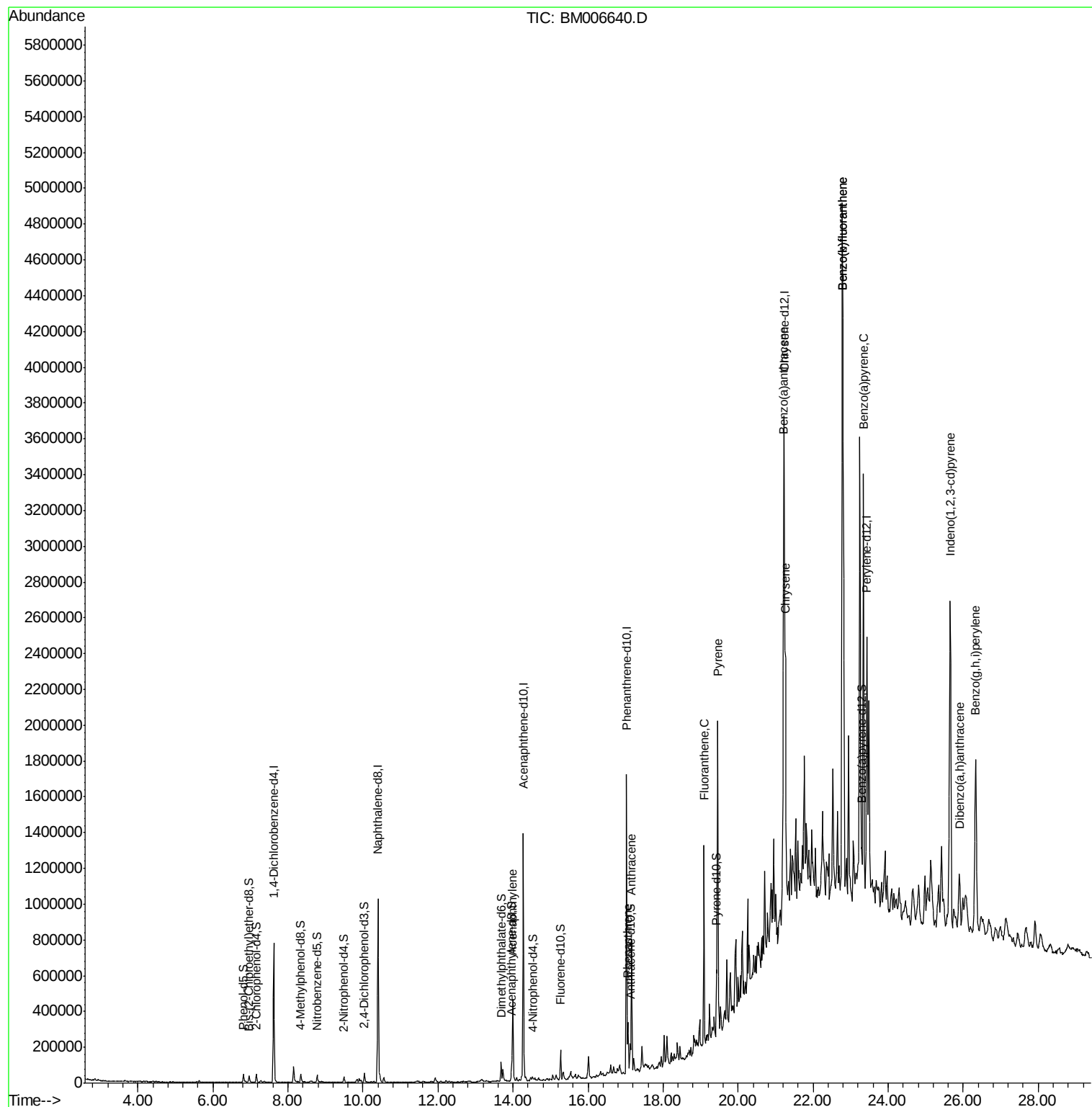
						Qvalue
18) Acenaphthylene	13.99	152	337567	6.84	ng/ul	96
25) Phenanthrene	17.07	178	160491	2.87	ng/ul	97
27) Anthracene	17.16	178	443772	7.71	ng/ul	98
28) Fluoranthene	19.09	202	654324	9.96	ng/ul	99
31) Pyrene	19.46	202	1074574	17.77	ng/ul	97
32) Benzo(a)anthracene	21.21	228	881284	14.56	ng/ul	95
33) Chrysene	21.26	228	588722	10.55	ng/ul	96
35) Benzo(b)fluoranthene	22.78	252	3358942	50.43	ng/ul	100
36) Benzo(k)fluoranthene	22.78	252	3358942	52.15	ng/ul	99
38) Benzo(a)pyrene	23.34	252	1786586	27.56	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.66	276	1551208	20.66	ng/ul	99
40) Dibenzo(a,h)anthracene	25.90	278	290548	4.67	ng/ul	96
41) Benzo(g,h,i)perylene	26.33	276	1265793	19.67	ng/ul	97

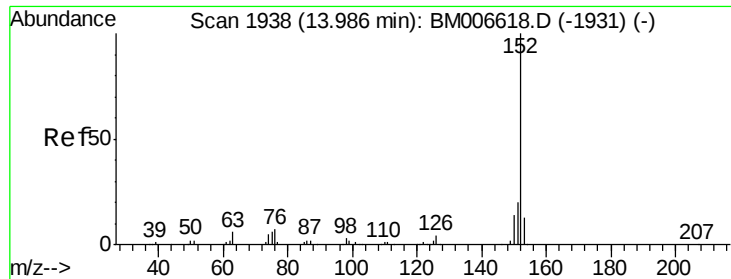
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#18

Acenaphthylene

Concen: 6.84 ng/ul

RT: 13.99 min Scan# 1939

Delta R.T. 0.01 min

Lab File: BM006640.D

Acq: 23 Jul 2016 00:54

Instrument :

BNA_M

ClientSampleId :

D9YT2DL

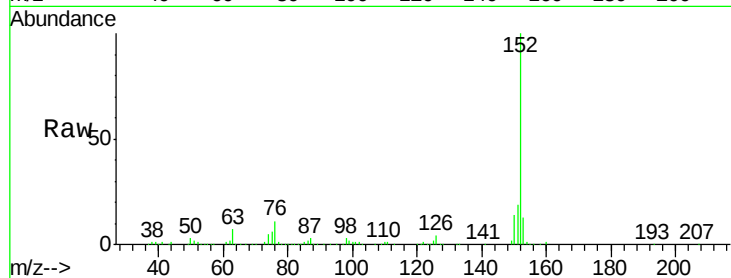
Tgt Ion:152 Resp: 337567

Ion Ratio Lower Upper

152 100

151 19.0 17.3 25.9

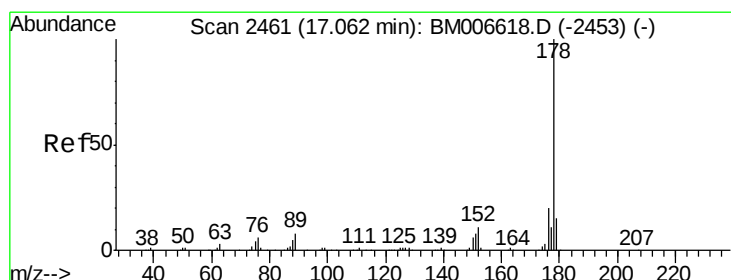
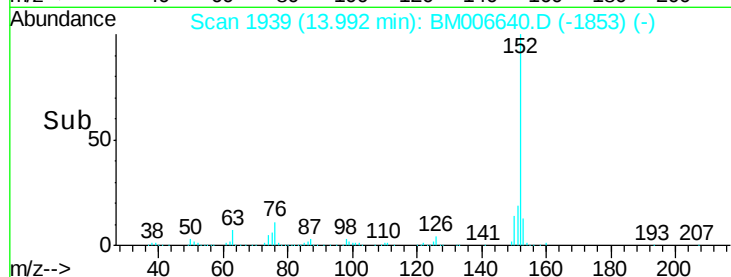
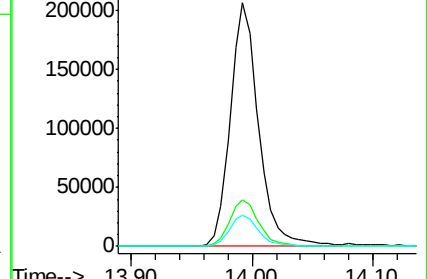
153 12.9 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#25

Phenanthrene

Concen: 2.87 ng/ul

RT: 17.07 min Scan# 2462

Delta R.T. 0.01 min

Lab File: BM006640.D

Acq: 23 Jul 2016 00:54

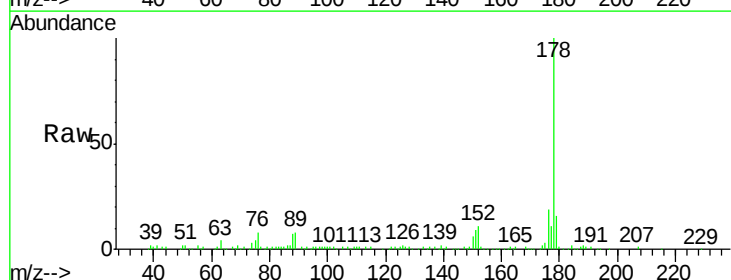
Tgt Ion:178 Resp: 160491

Ion Ratio Lower Upper

178 100

179 16.1 11.8 17.8

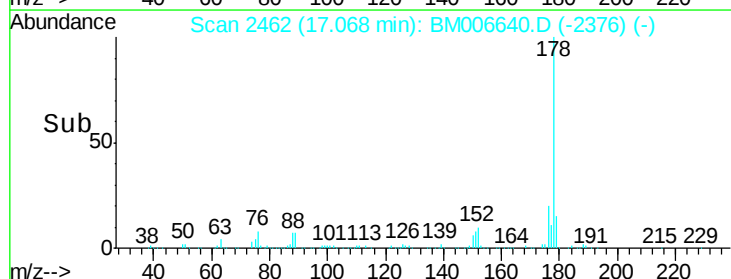
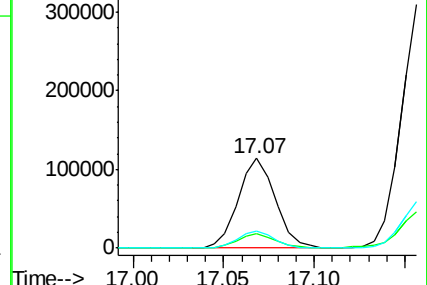
176 19.5 14.8 22.2

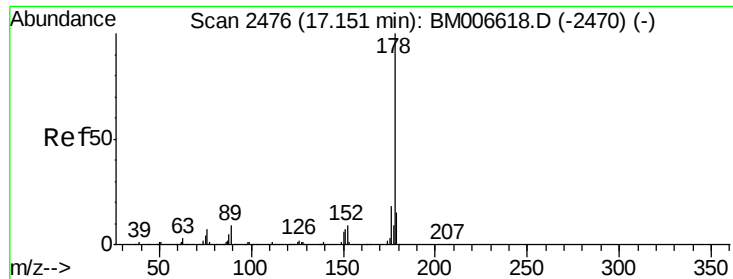


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 7.71 ng/ul

RT: 17.16 min Scan# 2477

Delta R.T. 0.01 min

Lab File: BM006640.D

Acq: 23 Jul 2016 00:54

Instrument :

BNA_M

ClientSampleId :

D9YT2DL

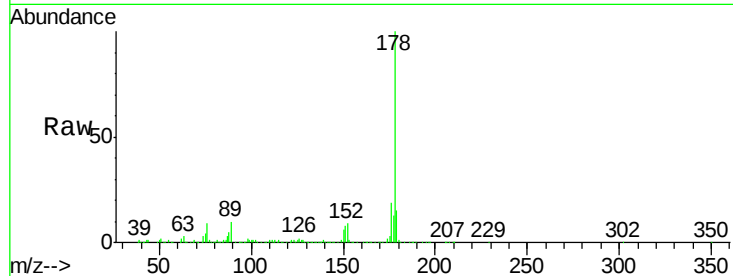
Tgt Ion:178 Resp: 443772

Ion Ratio Lower Upper

178 100

179 15.1 12.9 19.3

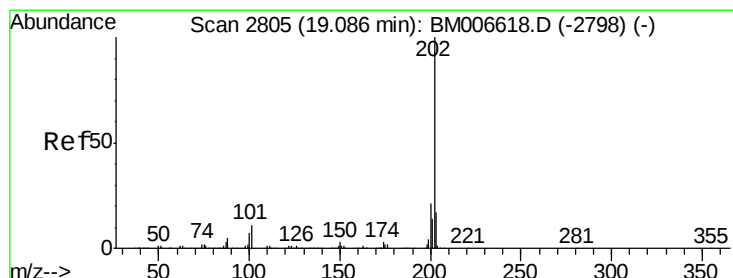
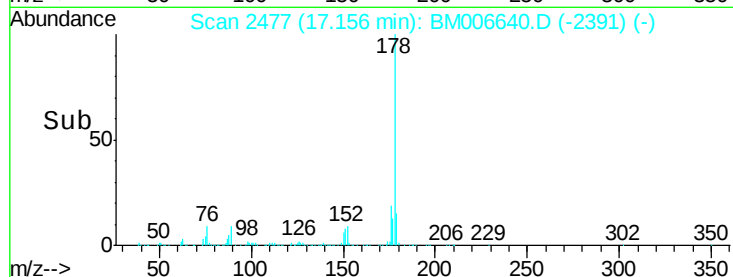
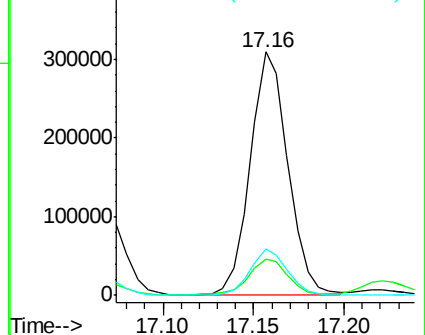
176 19.1 15.6 23.4



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



#28

Fluoranthene

Concen: 9.96 ng/ul

RT: 19.09 min Scan# 2806

Delta R.T. 0.01 min

Lab File: BM006640.D

Acq: 23 Jul 2016 00:54

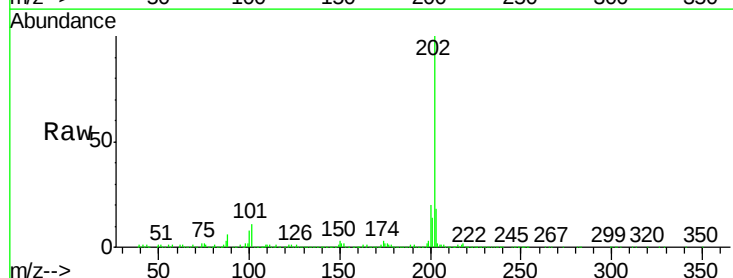
Tgt Ion:202 Resp: 654324

Ion Ratio Lower Upper

202 100

101 11.1 8.9 13.3

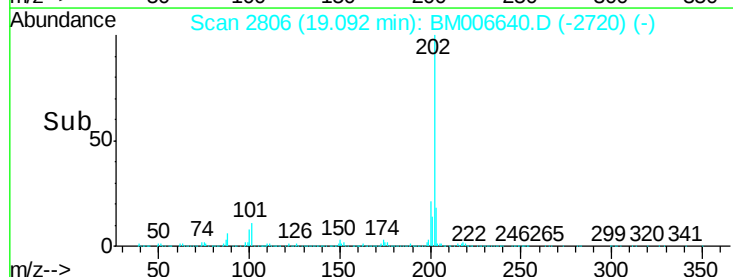
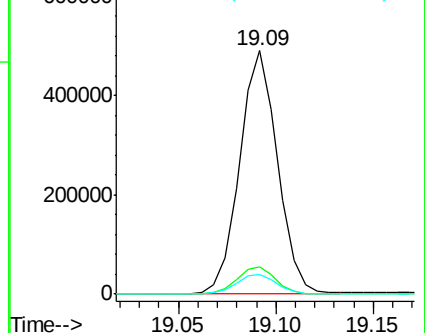
100 7.9 7.0 10.4

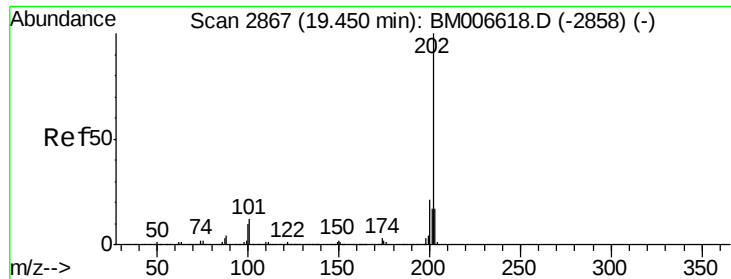


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 17.77 ng/ul

RT: 19.46 min Scan# 2868

Delta R.T. 0.01 min

Lab File: BM006640.D

Acq: 23 Jul 2016 00:54

Instrument :

BNA_M

ClientSampleId :

D9YT2DL

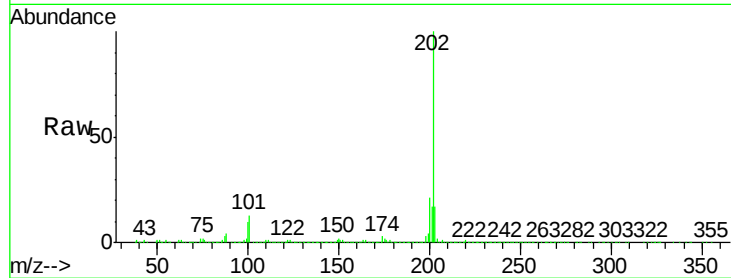
Tgt Ion:202 Resp: 1074574

Ion Ratio Lower Upper

202 100

101 13.0 9.8 14.8

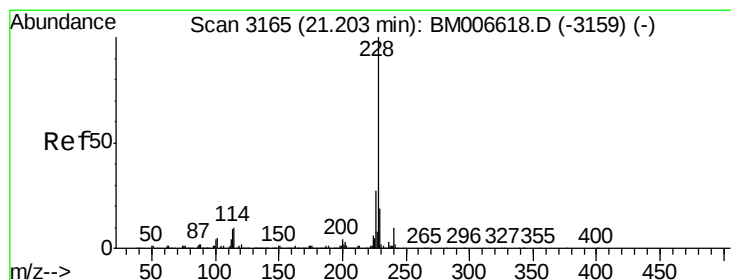
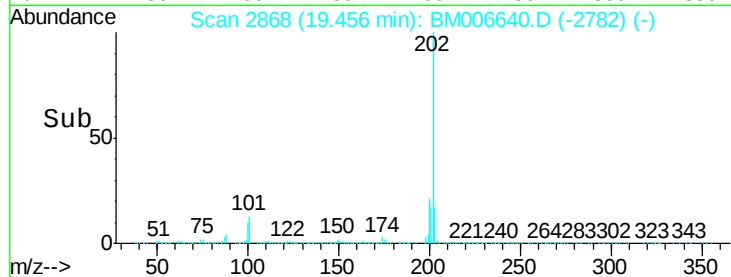
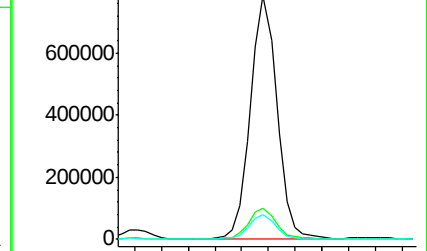
100 10.1 9.3 13.9



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



#32

Benzo(a)anthracene

Concen: 14.56 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BM006640.D

Acq: 23 Jul 2016 00:54

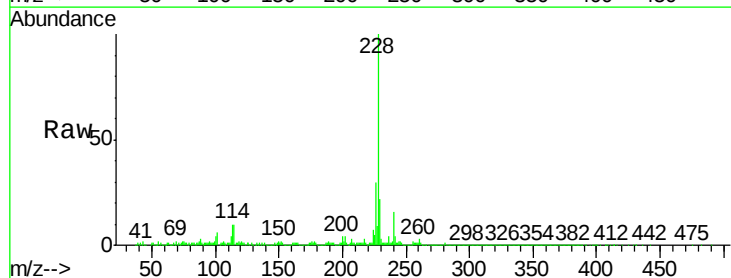
Tgt Ion:228 Resp: 881284

Ion Ratio Lower Upper

228 100

229 21.7 16.6 25.0

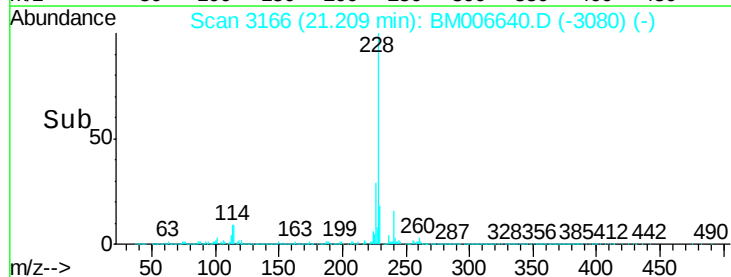
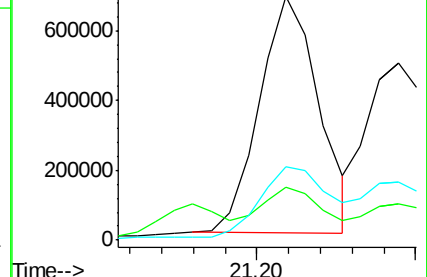
226 30.0 21.0 31.4

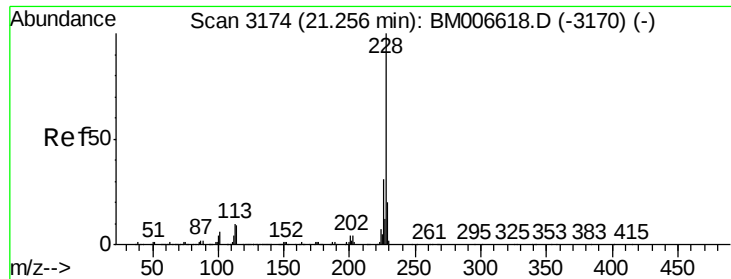


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 10.55 ng/ul

RT: 21.26 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BM006640.D

Acq: 23 Jul 2016 00:54

Instrument :

BNA_M

ClientSampleId :

D9YT2DL

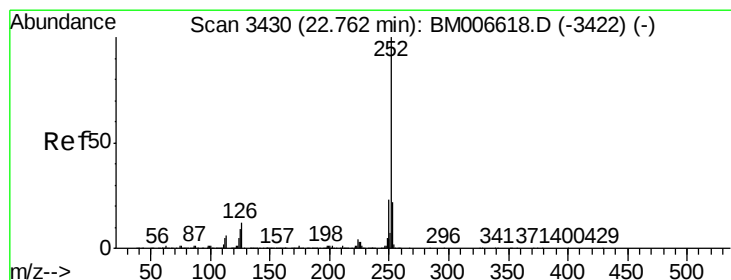
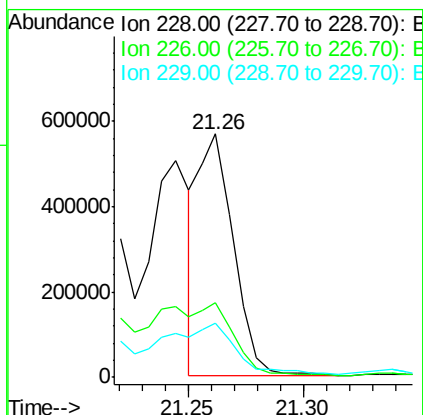
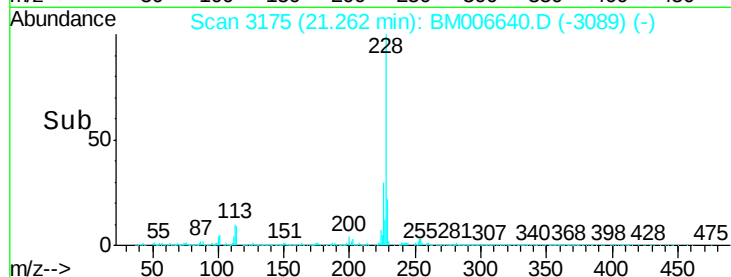
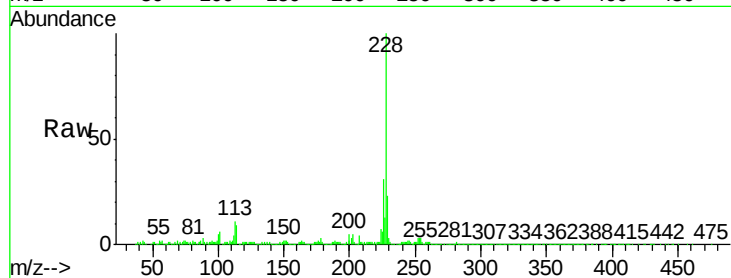
Tgt Ion:228 Resp: 588722

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

229 22.5 16.2 24.2



#35

Benzo(b)fluoranthene

Concen: 50.43 ng/ul

RT: 22.78 min Scan# 3433

Delta R.T. 0.02 min

Lab File: BM006640.D

Acq: 23 Jul 2016 00:54

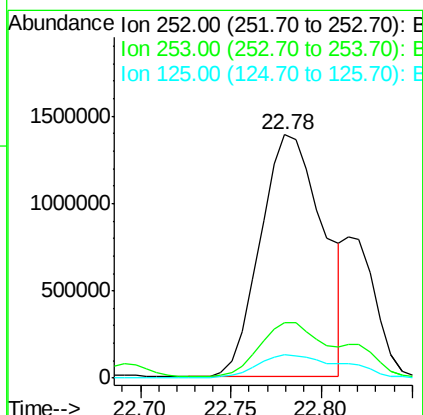
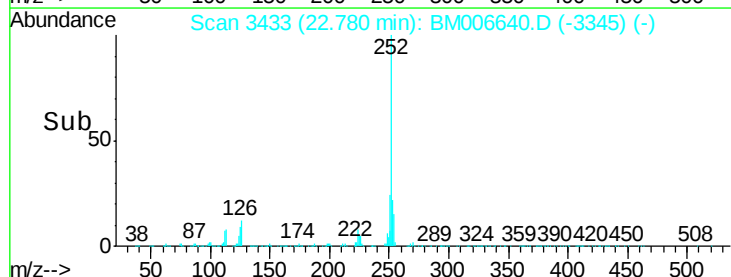
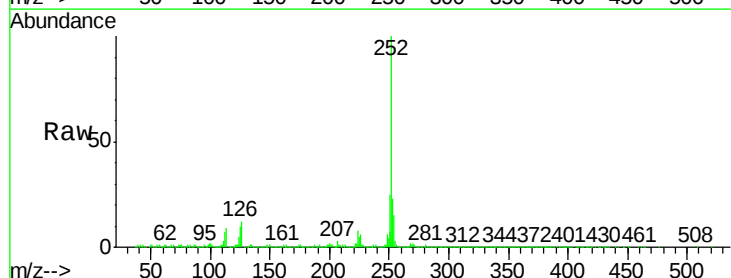
Tgt Ion:252 Resp: 3358942

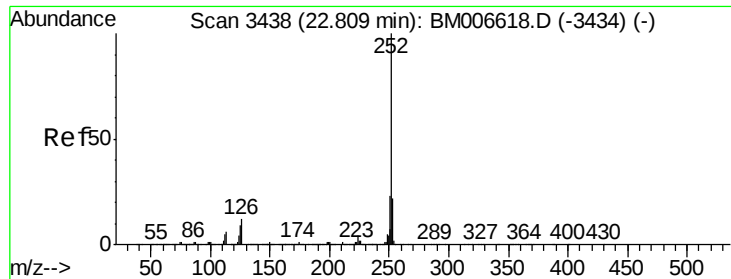
Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

125 9.7 7.6 11.4

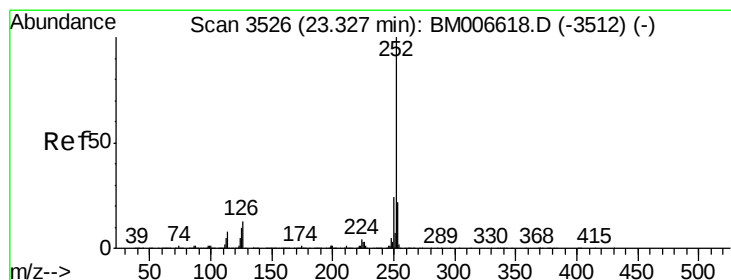
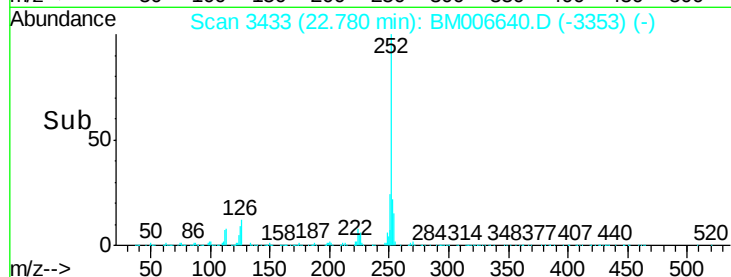
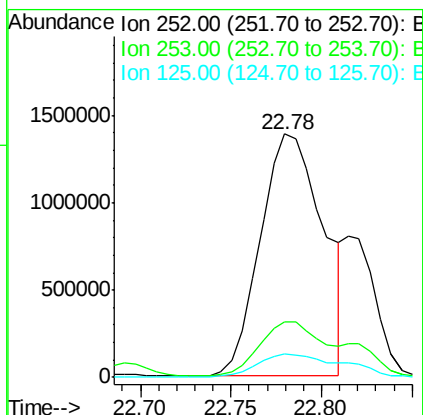
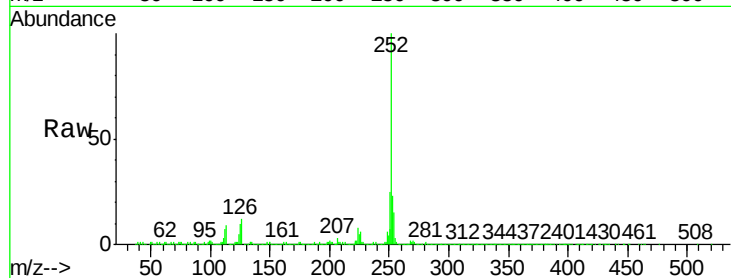




#36
Benzo(k)fluoranthene
Concen: 52.15 ng/ul
RT: 22.78 min Scan# 3433
Delta R.T. -0.03 min
Lab File: BM006640.D
Acq: 23 Jul 2016 00:54

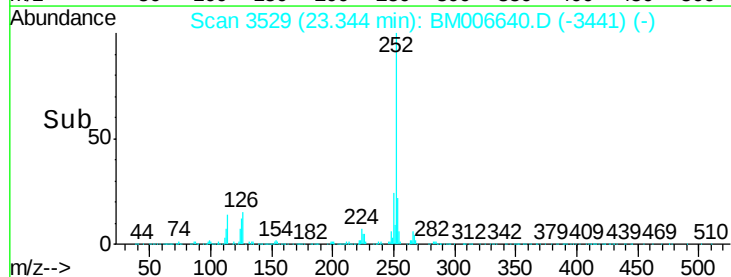
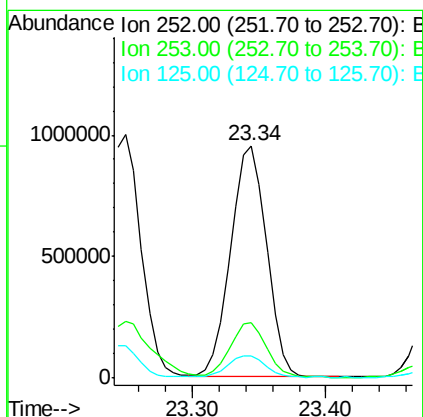
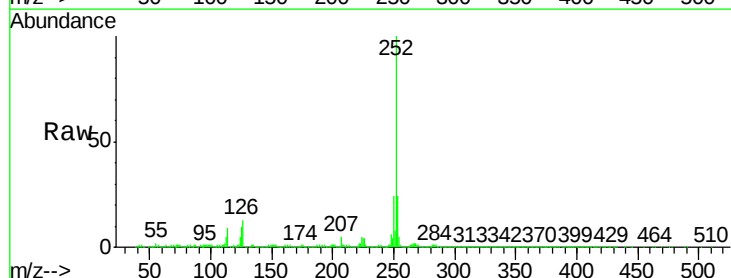
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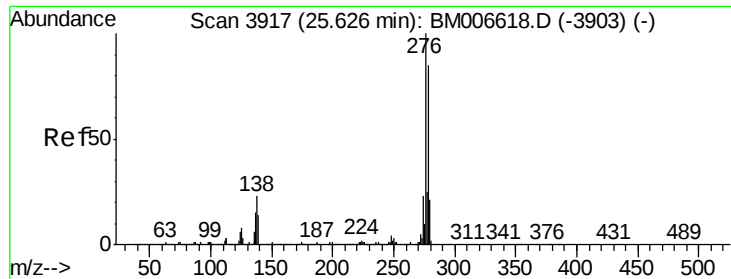
Tgt Ion:252 Resp: 3358942
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 9.7 7.7 11.5



#38
Benzo(a)pyrene
Concen: 27.56 ng/ul
RT: 23.34 min Scan# 3529
Delta R.T. 0.02 min
Lab File: BM006640.D
Acq: 23 Jul 2016 00:54

Tgt Ion:252 Resp: 1786586
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 9.8 8.2 12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 20.66 ng/ul

RT: 25.66 min Scan# 3922

Delta R.T. 0.03 min

Lab File: BM006640.D

Acq: 23 Jul 2016 00:54

Instrument :

BNA_M

ClientSampleId :

D9YT2DL

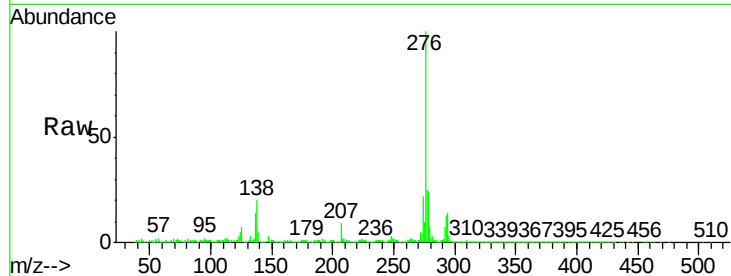
Tgt Ion:276 Resp: 1551208

Ion Ratio Lower Upper

276 100

138 20.1 15.8 23.6

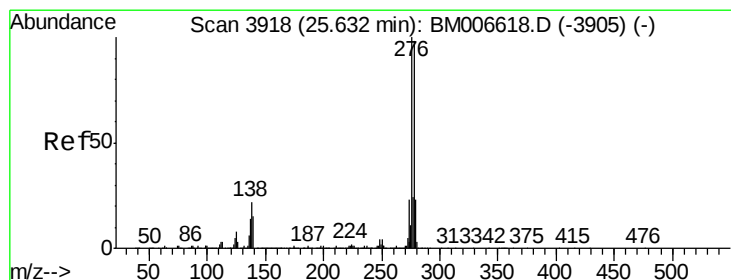
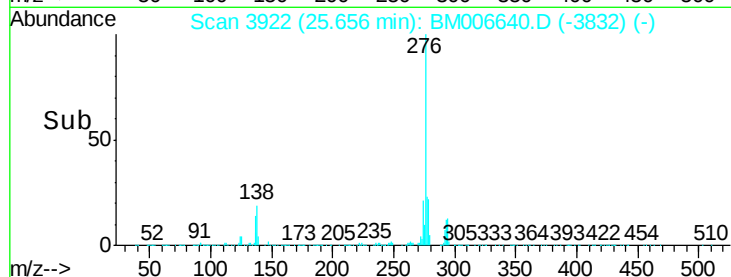
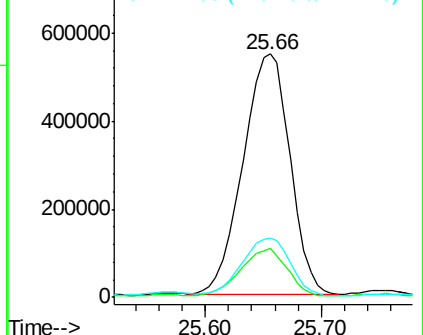
277 24.6 19.0 28.6



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



#40

Dibenzo(a,h)anthracene

Concen: 4.67 ng/ul

RT: 25.90 min Scan# 3964

Delta R.T. 0.27 min

Lab File: BM006640.D

Acq: 23 Jul 2016 00:54

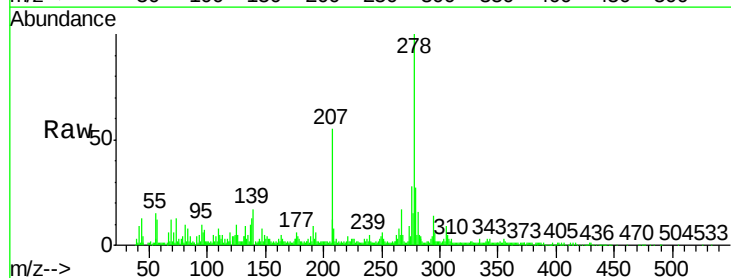
Tgt Ion:278 Resp: 290548

Ion Ratio Lower Upper

278 100

139 16.5 12.1 18.1

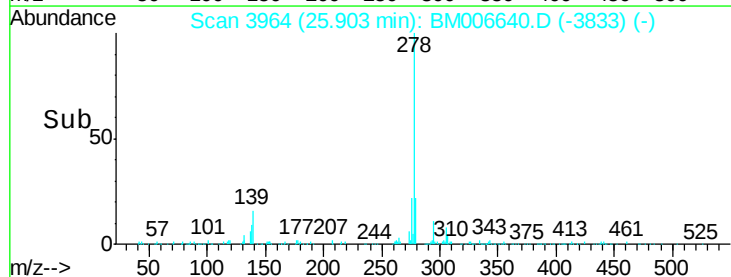
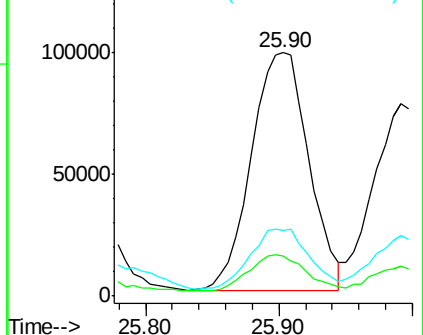
279 27.1 19.8 29.8

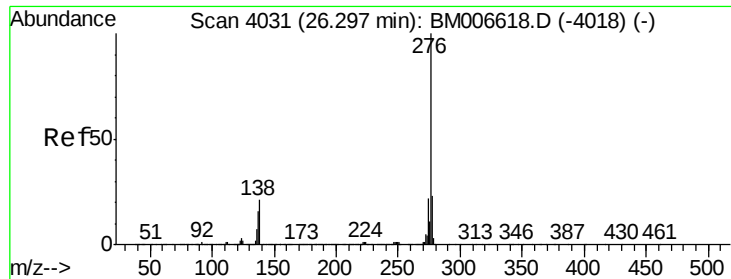


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(g,h,i)perylene

Concen: 19.67 ng/ul

RT: 26.33 min Scan# 4037

Delta R.T. 0.04 min

Lab File: BM006640.D

Acq: 23 Jul 2016 00:54

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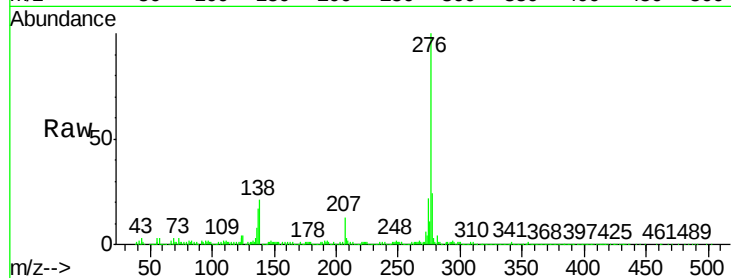
Tgt Ion:276 Resp: 1265793

Ion Ratio Lower Upper

276 100

138 20.6 13.9 20.9

277 24.3 19.8 29.6



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

