

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005611.D
 Acq On : 23 May 2016 05:57
 Operator : UM/SJ
 Sample : H3087-15
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK8

Quant Time: May 23 08:22:40 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 05:32:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	78949	20.00	ng/ul	0.02
18) Naphthalene-d8	10.62	136	345731	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.47	164	208861	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.21	188	488365	20.00	ng/ul	0.02
75) Chrysene-d12	21.39	240	447366	20.00	ng/ul	0.03
83) Perylene-d12	23.69	264	404975	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	6878	3.82	ng/uL	0.00
5) Phenol-d5	7.01	99	165583	25.59	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.16	67	93472	24.92	ng/ul	0.01
9) 2-Chlorophenol-d4	7.37	132	135695	25.13	ng/ul	0.02
13) 4-Methylphenol-d8	8.55	113	130227	24.56	ng/ul	0.03
19) Nitrobenzene-d5	8.99	128	70246	26.57	ng/ul	0.02
22) 2-Nitrophenol-d4	9.70	143	74623	25.65	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.26	165	141673	25.85	ng/ul	0.03
29) 4-Chloroaniline-d4	10.76	131	146083	26.62	ng/ul	0.02
43) Dimethylphthalate-d6	13.87	166	454549	26.66	ng/ul	0.02
46) Acenaphthylene-d8	14.16	160	575707	27.01	ng/ul	0.02
51) 4-Nitrophenol-d4	14.69	143	63409	19.66	ng/ul	0.04
57) Fluorene-d10	15.46	176	413060	27.84	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.59	200	15087	5.37	ng/ul	0.03
70) Anthracene-d10	17.31	188	662061	28.46	ng/ul	0.02
76) Pyrene-d10	19.60	212	711136	35.10	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.54	264	535681	28.33	ng/ul	0.04

Target Compounds

					Qvalue
14) Acetophenone	8.65	105	20585	2.58 ng/ul	96
28) Naphthalene	10.67	128	117234	6.75 ng/ul	100
30) 4-Chloroaniline	10.67	127	15364	2.73 ng/ul#	15
34) 2-Methylnaphthalene	12.29	142	41017	3.23 ng/ul	99
44) Dimethylphthalate	13.92	163	242870	14.42 ng/ul	99
47) Acenaphthylene	14.19	152	26933	1.24 ng/ul	94
49) Acenaphthene	14.53	153	31484	2.20 ng/ul	96
58) Fluorene	15.52	166	64780	3.97 ng/ul	100
69) Phenanthrene	17.26	178	735835	26.96 ng/ul	99
71) Anthracene	17.34	178	155438	5.59 ng/ul	99
72) Carbazole	17.62	167	35258	1.46 ng/ul	95
74) Fluoranthene	19.27	202	693944	22.59 ng/ul	97
77) Pyrene	19.63	202	731375	28.44 ng/ul#	95
80) Benzo(a)anthracene	21.37	228	228036	8.67 ng/ul	92
82) Chrysene	21.43	228	290493	11.61 ng/ul	95
85) Benzo(b)fluoranthene	23.00	252	261630	10.95 ng/ul#	85
86) Benzo(k)fluoranthene	23.00	252	261630	11.57 ng/ul#	85
88) Benzo(a)pyrene	23.59	252	178603	7.71 ng/ul#	86
89) Indeno(1,2,3-cd)pyrene	26.01	276	112443	4.09 ng/ul	96
90) Dibenzo(a,h)anthracene	26.02	278	28103	1.23 ng/ul#	39
91) Benzo(g,h,i)perylene	26.73	276	104878	4.53 ng/ul#	89

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

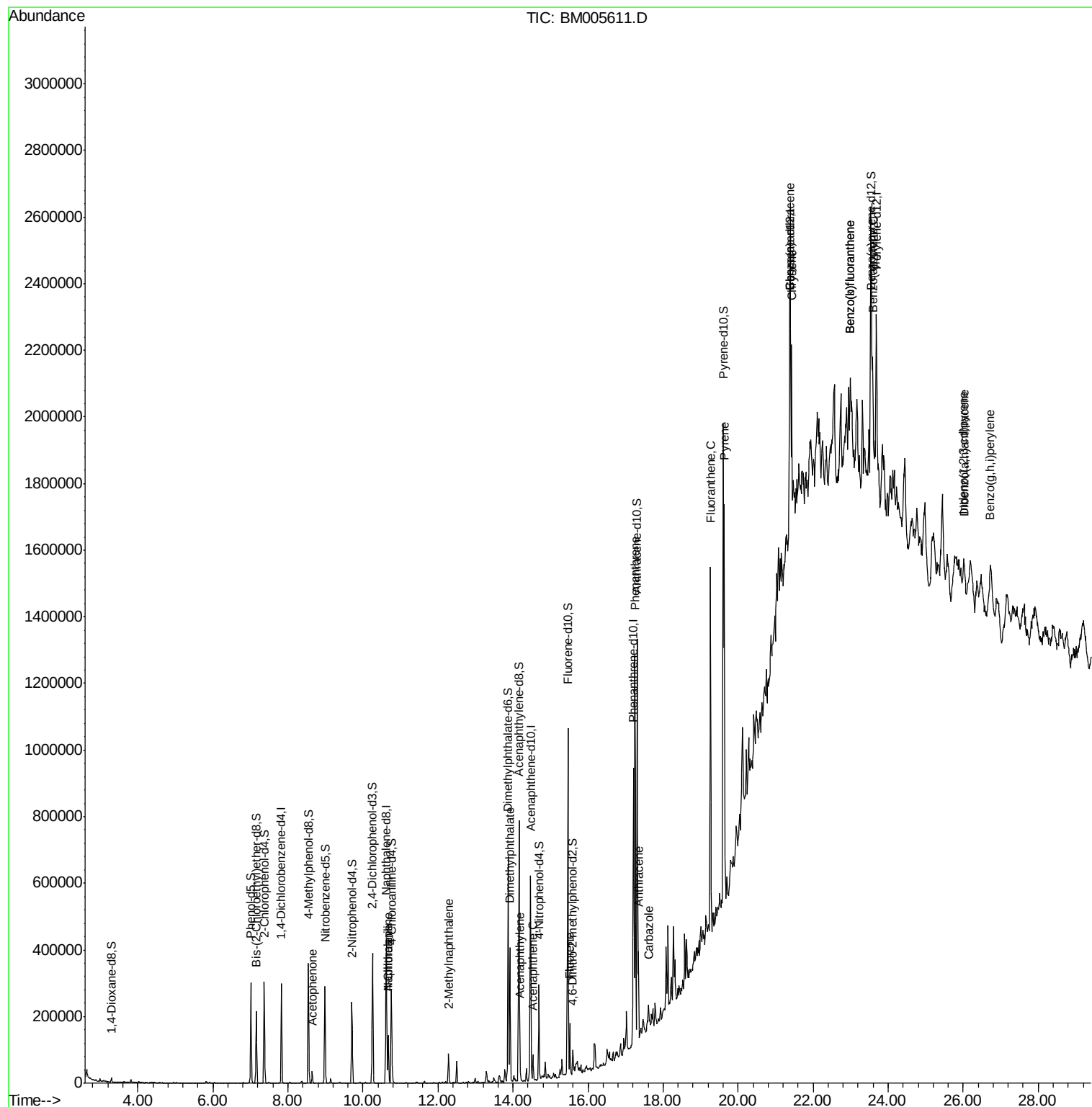
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

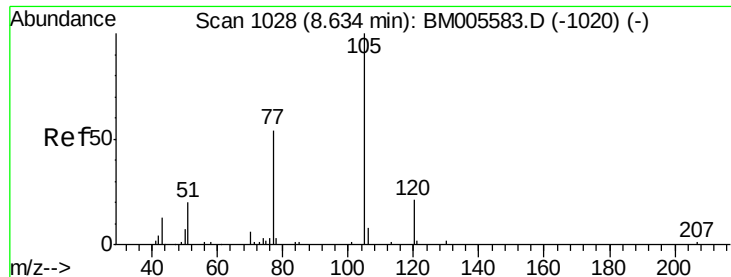
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#14

Acetophenone

Concen: 2.58 ng/ul

RT: 8.65 min Scan# 1030

Delta R.T. 0.01 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

Instrument :

BNA_M

ClientSampleId :

JHGK8

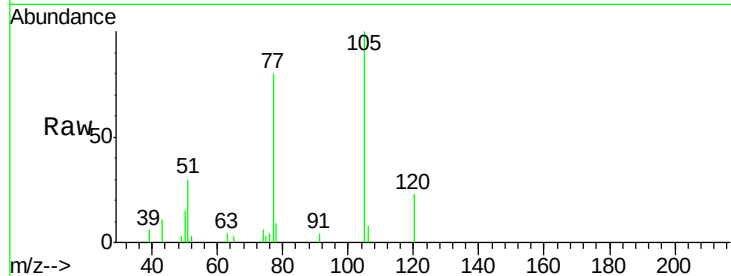
Tgt Ion:105 Resp: 20585

Ion Ratio Lower Upper

105 100

77 79.6 60.8 91.2

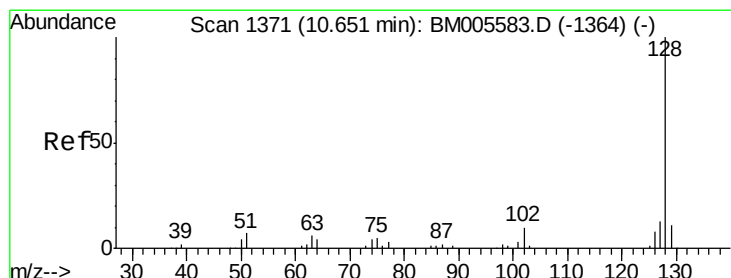
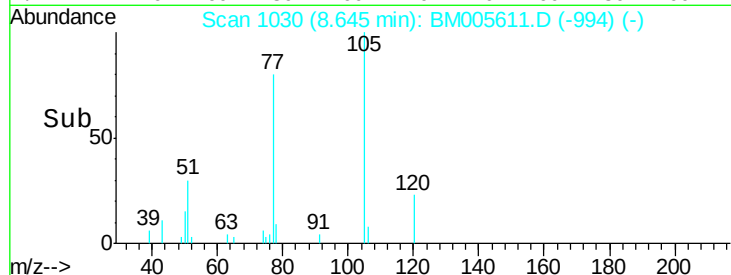
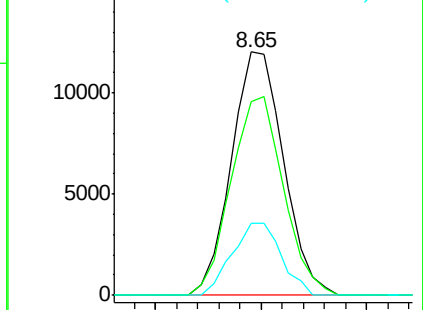
51 29.6 22.2 33.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#28

Naphthalene

Concen: 6.75 ng/ul

RT: 10.67 min Scan# 1374

Delta R.T. 0.02 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

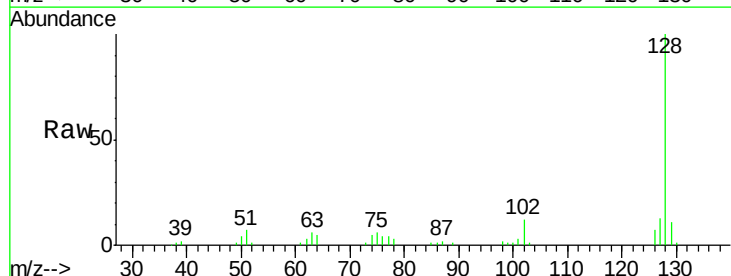
Tgt Ion:128 Resp: 117234

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

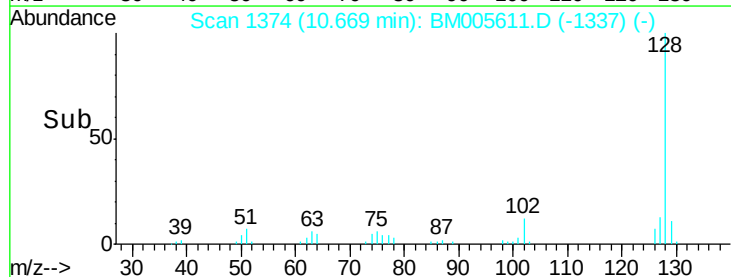
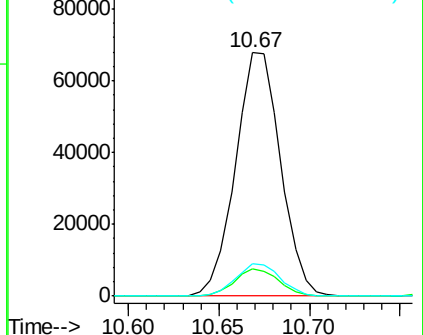
127 13.3 10.6 15.8

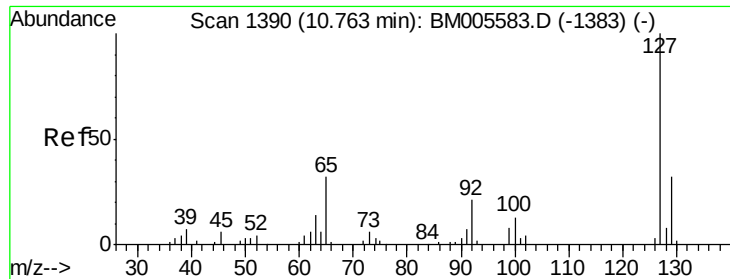


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

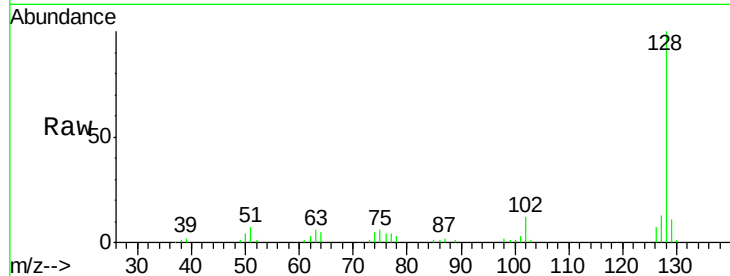




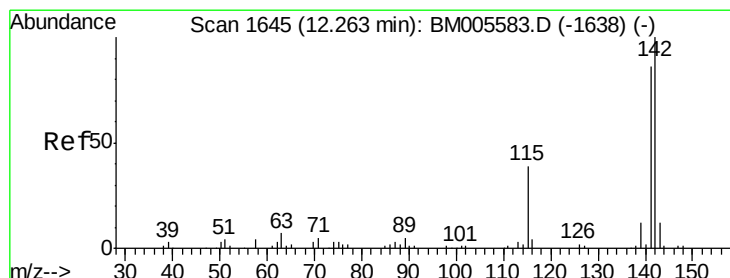
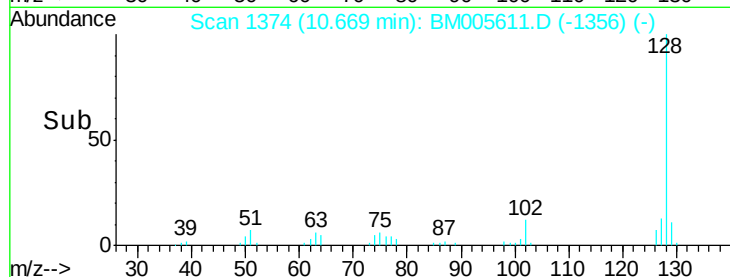
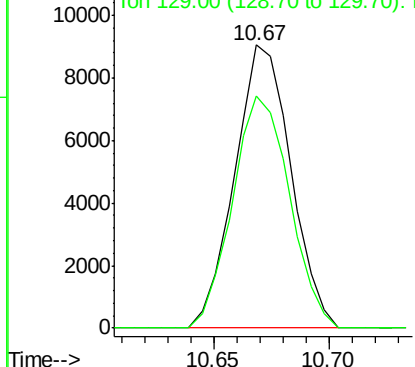
#30
4-Chloroaniline
Concen: 2.73 ng/ul
RT: 10.67 min Scan# 1374
Delta R.T. -0.09 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57

Instrument :
BNA_M
ClientSampleId :
JHGK8

Tgt Ion:127 Resp: 15364
Ion Ratio Lower Upper
127 100
129 82.3 26.9 40.3#

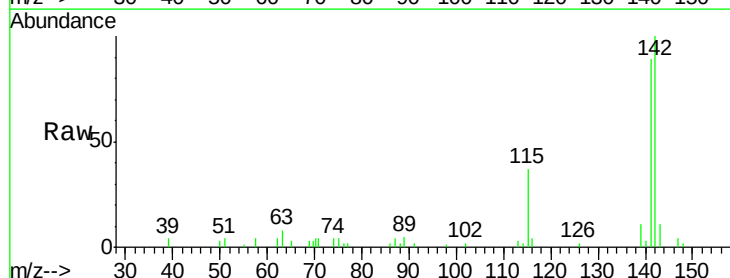


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

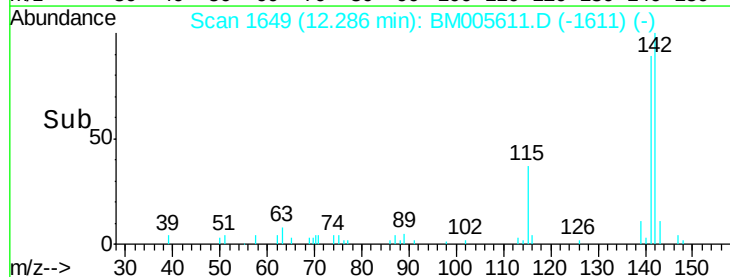
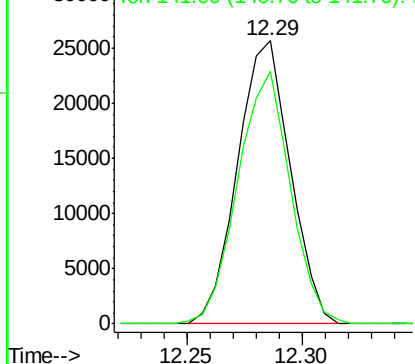


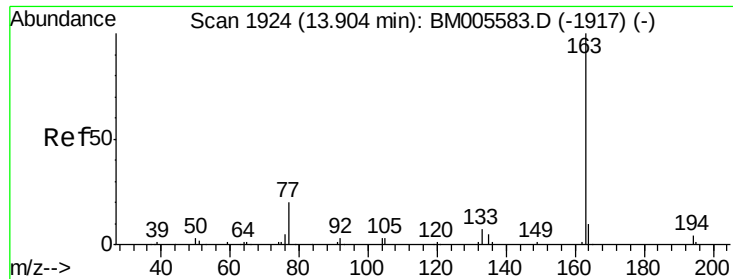
#34
2-Methylnaphthalene
Concen: 3.23 ng/ul
RT: 12.29 min Scan# 1649
Delta R.T. 0.02 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57

Tgt Ion:142 Resp: 41017
Ion Ratio Lower Upper
142 100
141 89.1 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

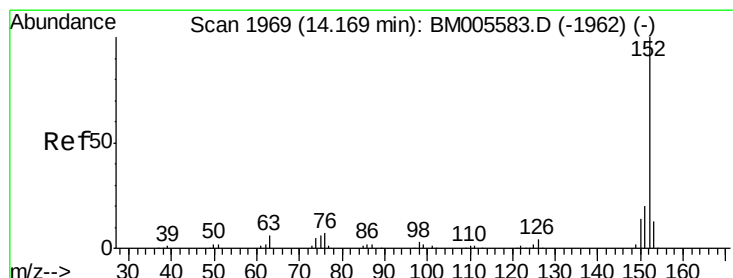
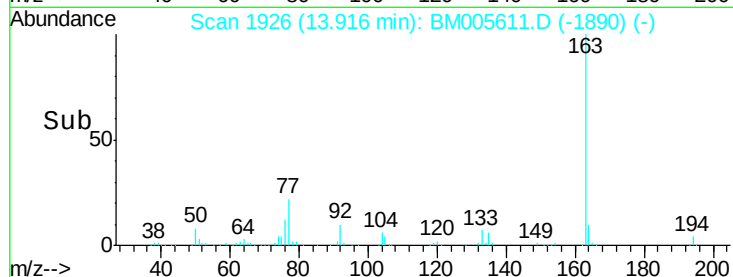
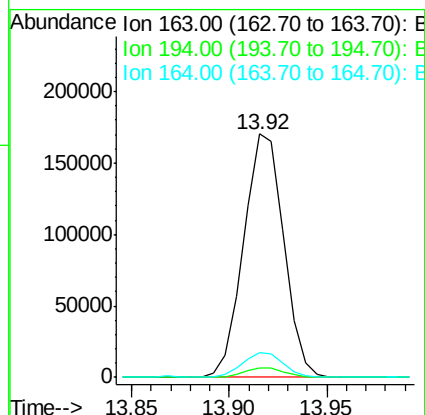
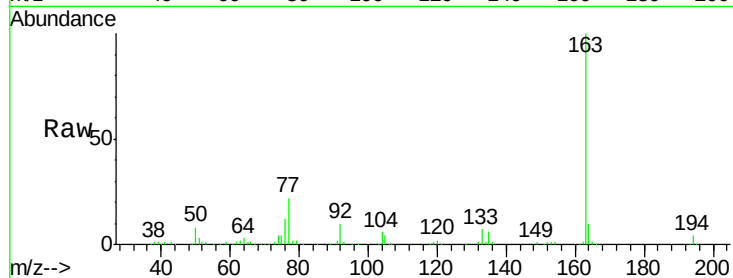




#44
Dimethylphthalate
Concen: 14.42 ng/ul
RT: 13.92 min Scan# 1926
Delta R.T. 0.01 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57

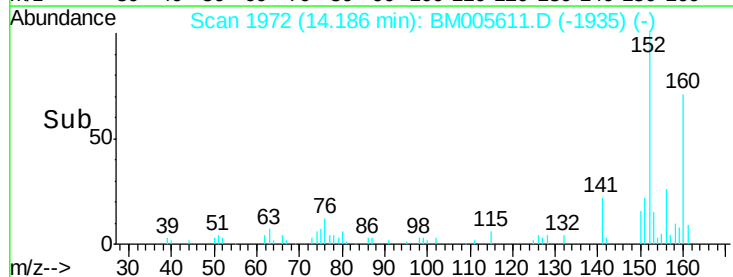
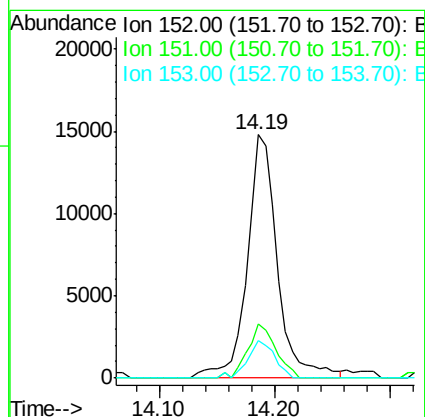
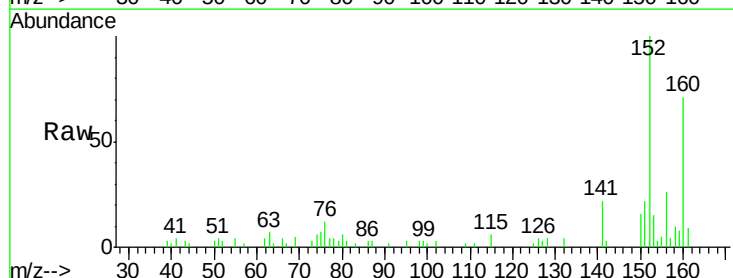
Instrument :
BNA_M
ClientSampleId :
JHGK8

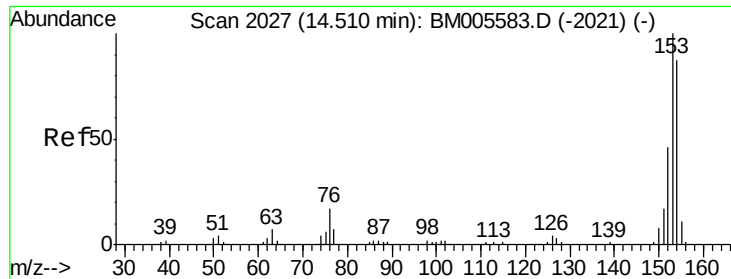
Tgt Ion:163 Resp: 242870
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 10.2 8.0 12.0



#47
Acenaphthylene
Concen: 1.24 ng/ul
RT: 14.19 min Scan# 1972
Delta R.T. 0.02 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57

Tgt Ion:152 Resp: 26933
Ion Ratio Lower Upper
152 100
151 22.2 15.7 23.5
153 15.3 10.5 15.7





#49

Acenaphthene

Concen: 2.20 ng/ul

RT: 14.53 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

Instrument :

BNA_M

ClientSampleId :

JHGK8

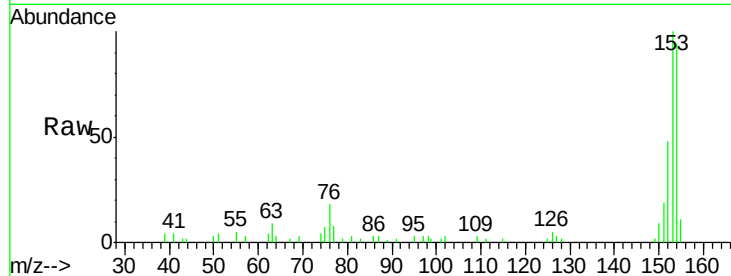
Tgt Ion:153 Resp: 31484

Ion Ratio Lower Upper

153 100

152 47.6 37.8 56.6

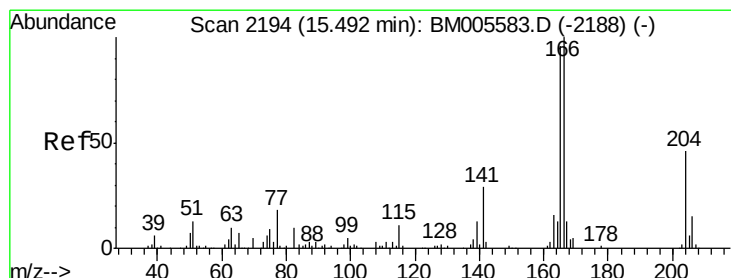
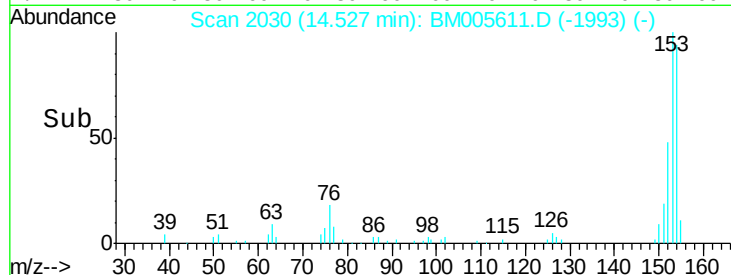
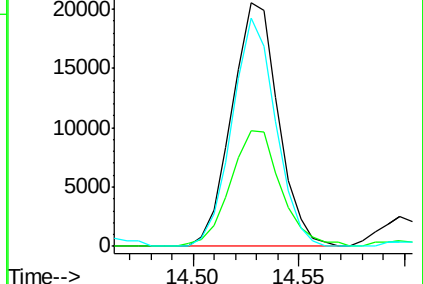
154 94.0 71.1 106.7



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#58

Fluorene

Concen: 3.97 ng/ul

RT: 15.52 min Scan# 2198

Delta R.T. 0.02 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

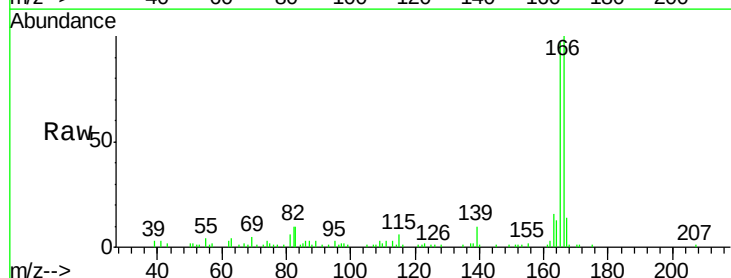
Tgt Ion:166 Resp: 64780

Ion Ratio Lower Upper

166 100

165 97.4 78.0 117.0

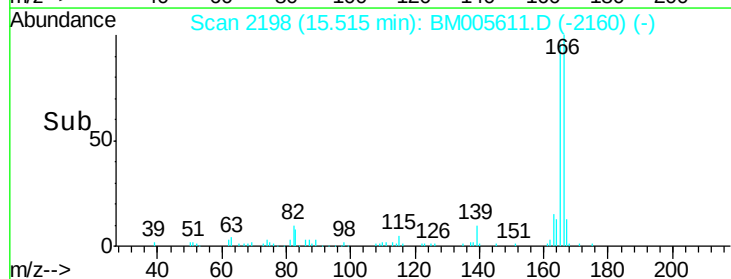
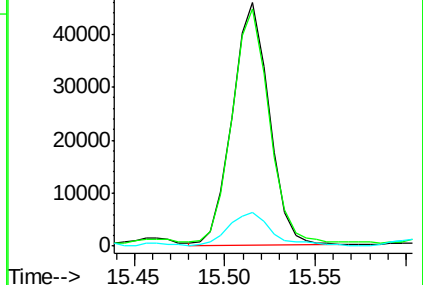
167 13.9 10.5 15.7

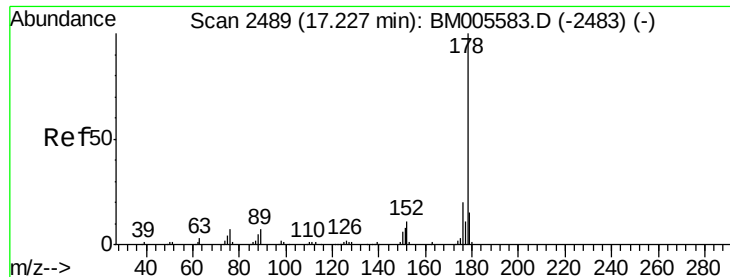


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 26.96 ng/ul

RT: 17.26 min Scan# 2494

Delta R.T. 0.03 min

Lab File: BM005611.D

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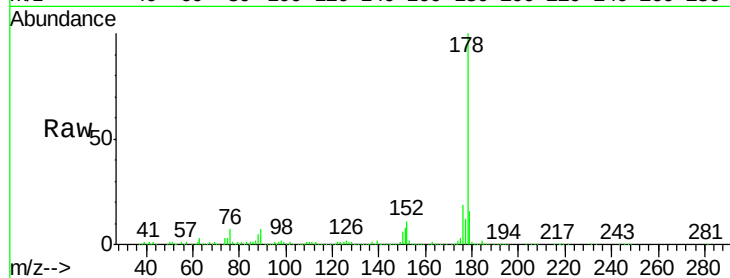
Tgt Ion:178 Resp: 735835

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

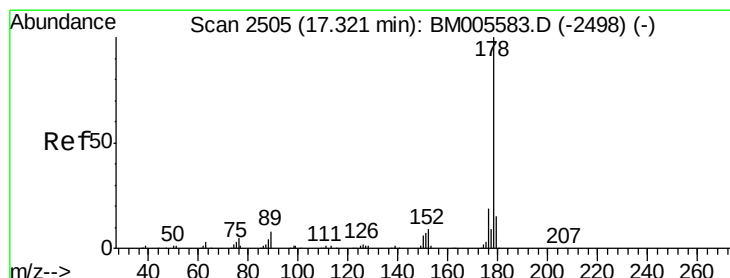
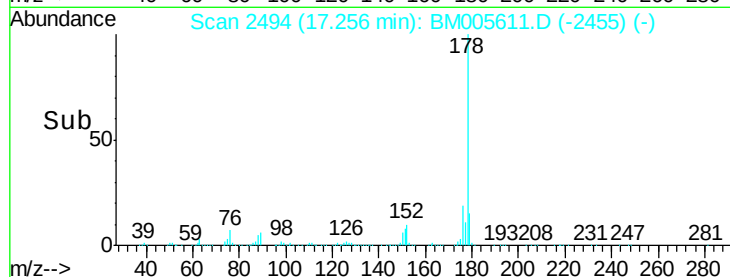
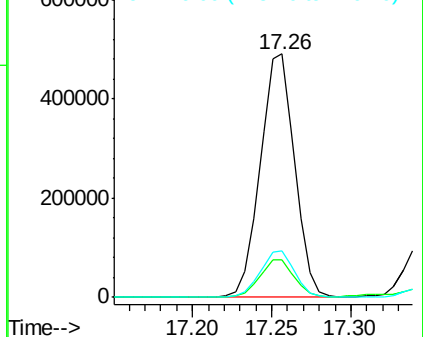
176 18.9 15.8 23.6



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: 5.59 ng/ul

RT: 17.34 min Scan# 2509

Delta R.T. 0.02 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

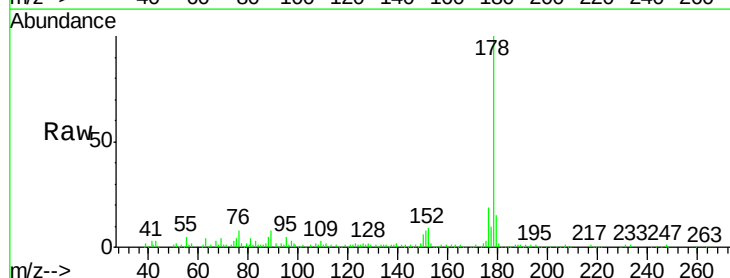
Tgt Ion:178 Resp: 155438

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

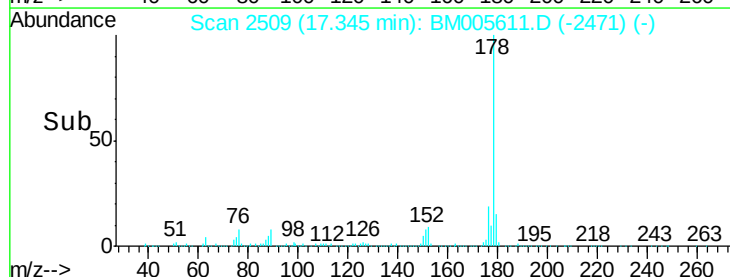
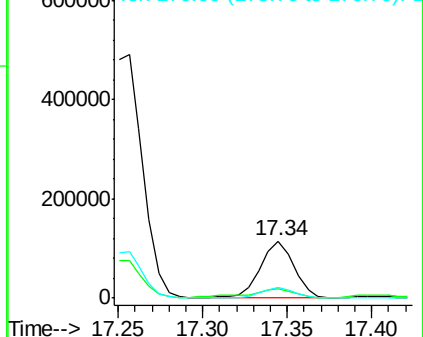
176 19.2 15.0 22.4

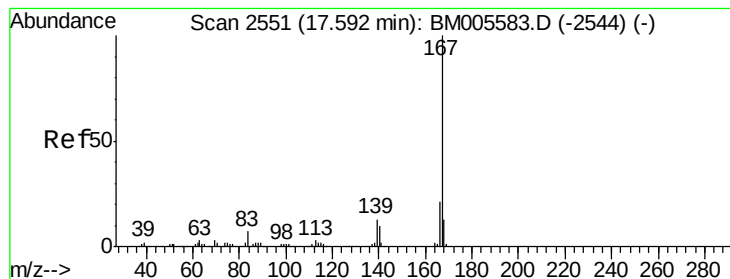


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.46 ng/ul

RT: 17.62 min Scan# 2555

Delta R.T. 0.02 min

Lab File: BM005611.D

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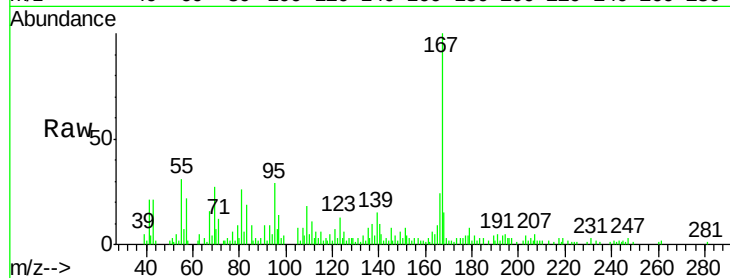
Tgt Ion:167 Resp: 35258

Ion Ratio Lower Upper

167 100

166 23.5 16.9 25.3

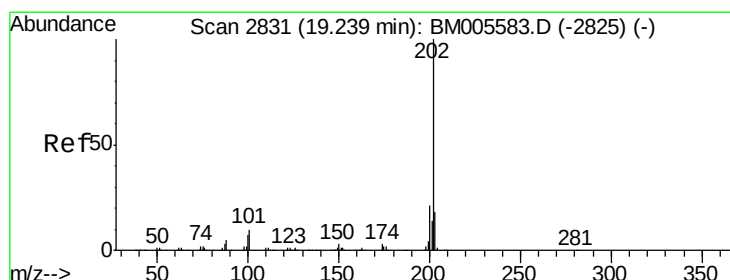
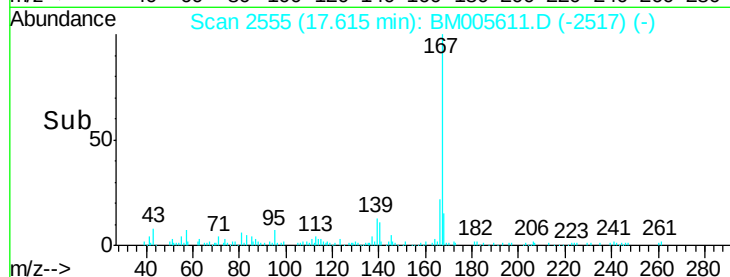
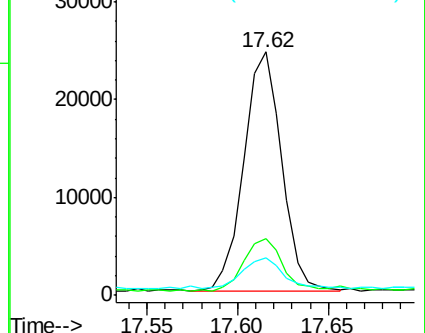
139 15.4 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 22.59 ng/ul

RT: 19.27 min Scan# 2836

Delta R.T. 0.03 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

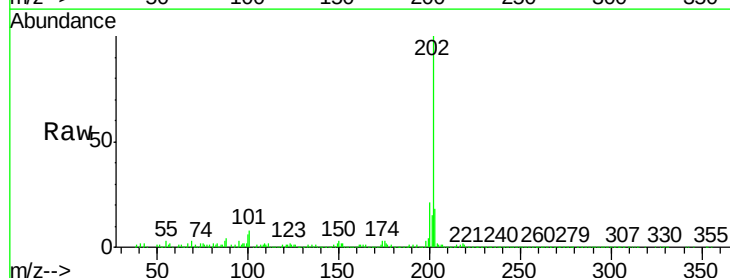
Tgt Ion:202 Resp: 693944

Ion Ratio Lower Upper

202 100

101 8.3 7.9 11.9

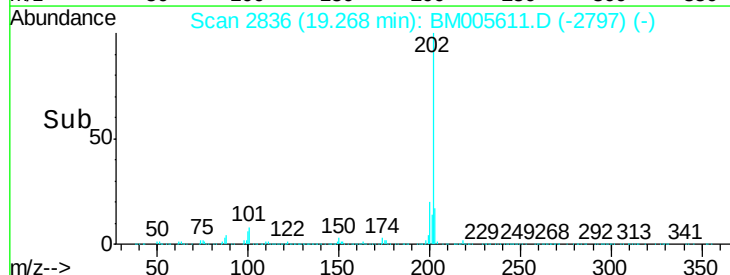
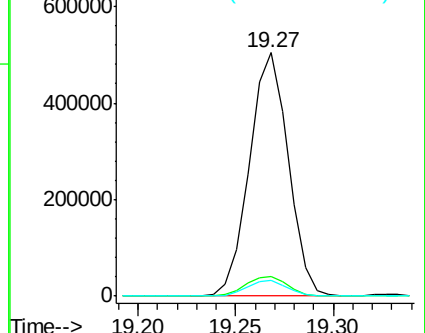
100 6.3 5.6 8.4

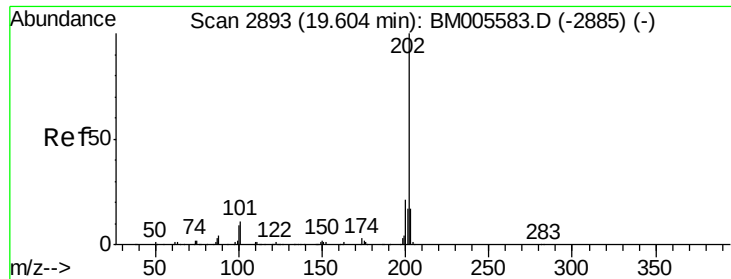


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 28.44 ng/ul

RT: 19.63 min Scan# 2898

Delta R.T. 0.03 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

Instrument :

BNA_M

ClientSampleId :

JHGK8

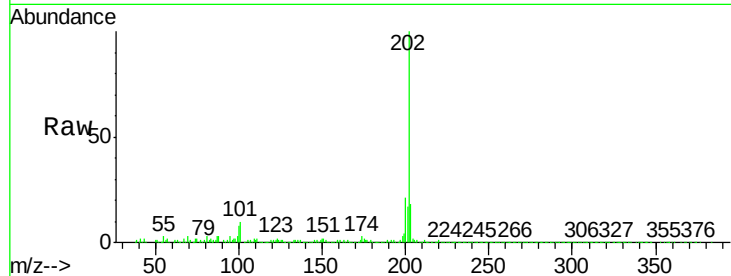
Tgt Ion:202 Resp: 731375

Ion Ratio Lower Upper

202 100

101 10.0 9.6 14.4

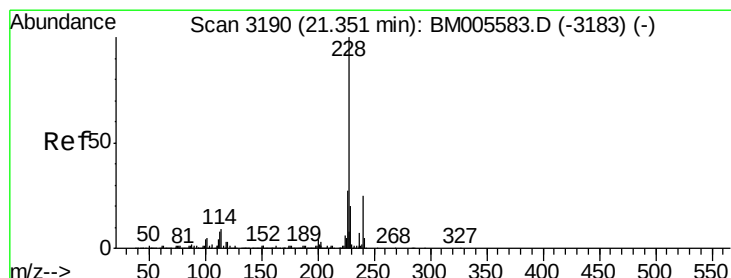
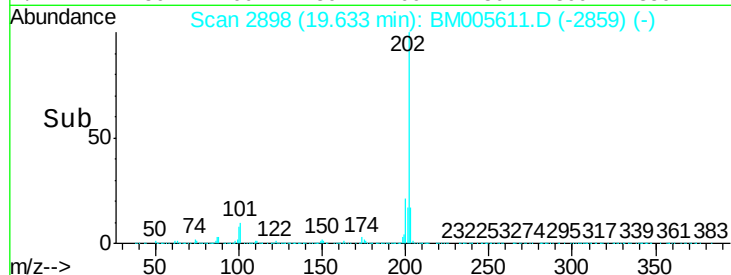
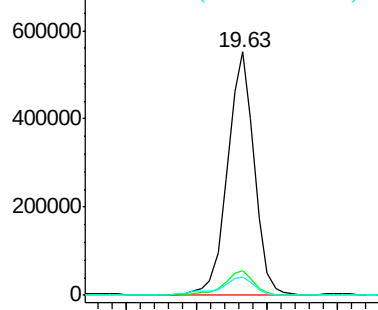
100 7.7 7.8 11.6#



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): B



#80

Benzo(a)anthracene

Concen: 8.67 ng/ul

RT: 21.37 min Scan# 3194

Delta R.T. 0.02 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

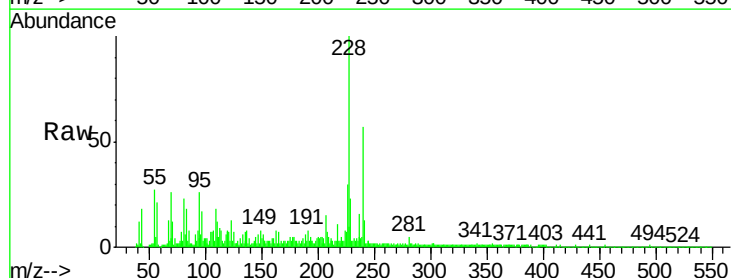
Tgt Ion:228 Resp: 228036

Ion Ratio Lower Upper

228 100

229 22.6 15.4 23.2

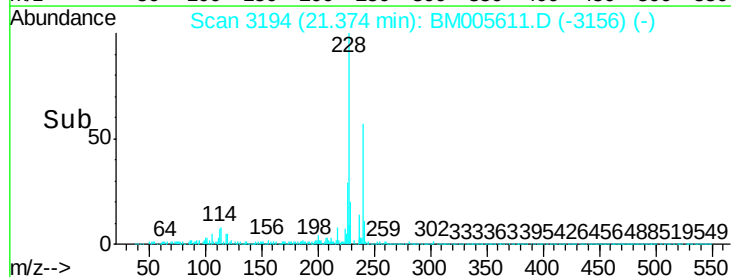
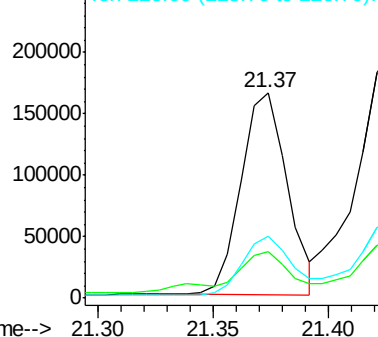
226 30.3 21.0 31.4

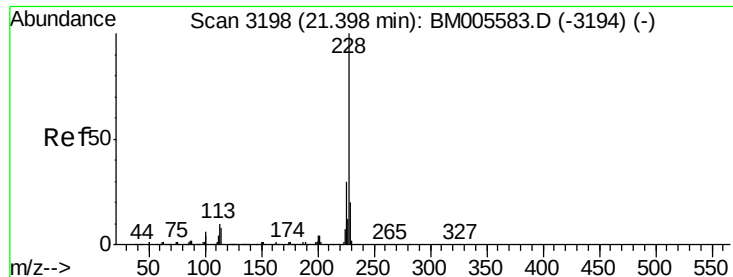


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 11.61 ng/ul

RT: 21.43 min Scan# 3203

Delta R.T. 0.03 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

Instrument :

BNA_M

ClientSampleId :

JHGK8

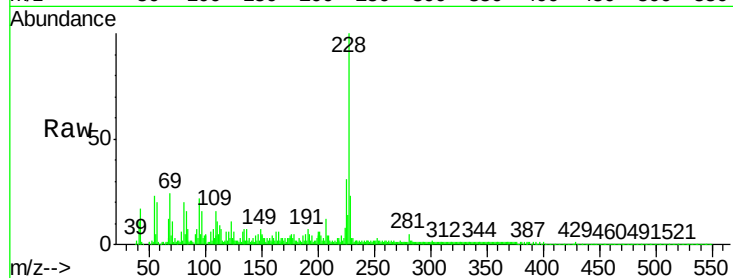
Tgt Ion:228 Resp: 290493

Ion Ratio Lower Upper

228 100

226 31.4 23.7 35.5

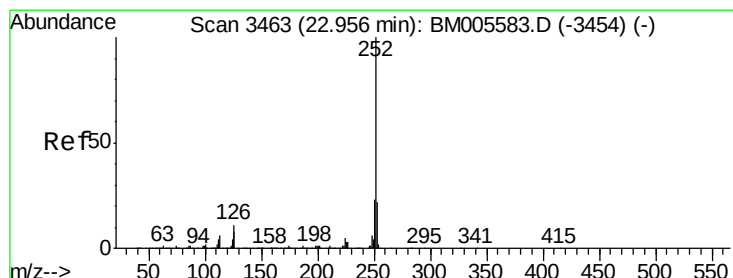
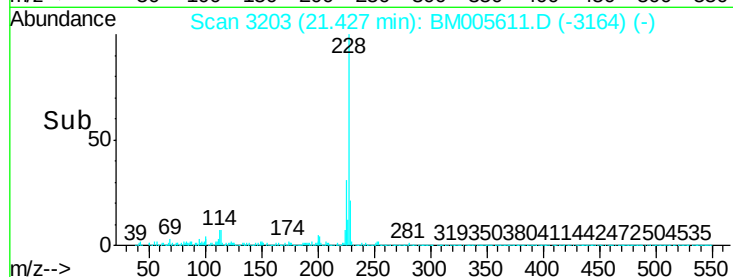
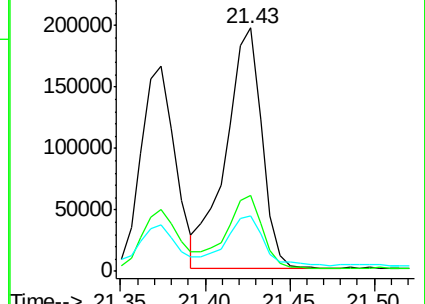
229 22.8 15.5 23.3



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: 10.95 ng/ul

RT: 23.00 min Scan# 3470

Delta R.T. 0.04 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

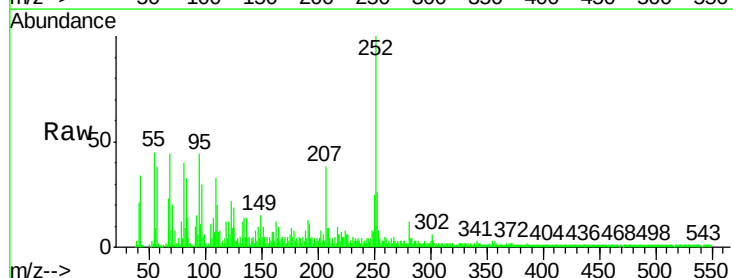
Tgt Ion:252 Resp: 261630

Ion Ratio Lower Upper

252 100

253 26.2 17.3 25.9#

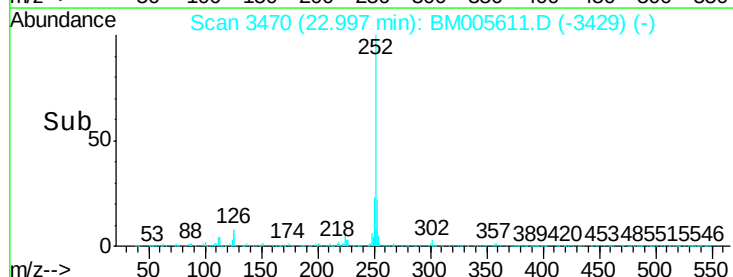
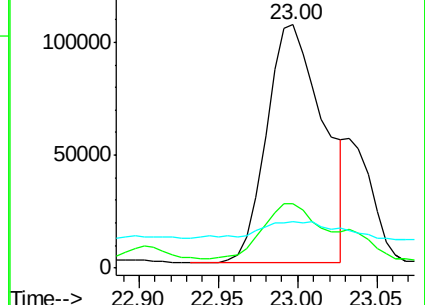
125 18.9 7.0 10.4#

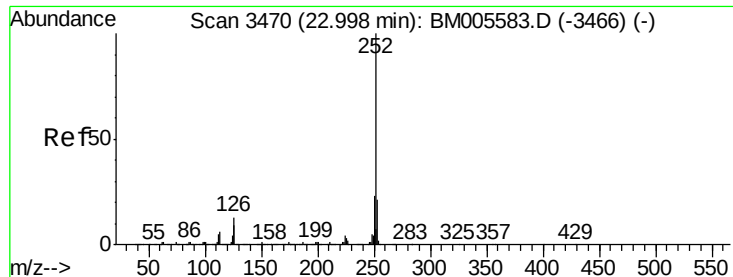


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 11.57 ng/ul

RT: 23.00 min Scan# 3470

Delta R.T. -0.00 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

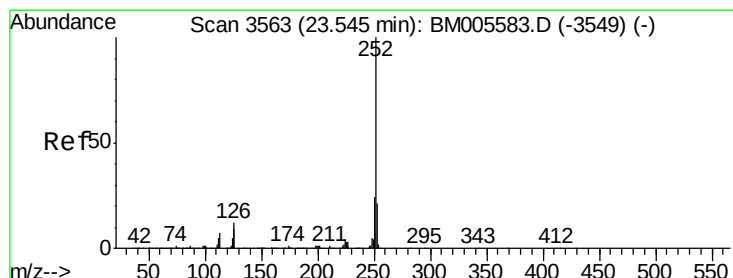
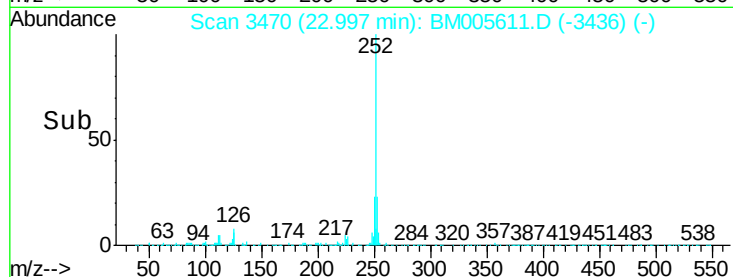
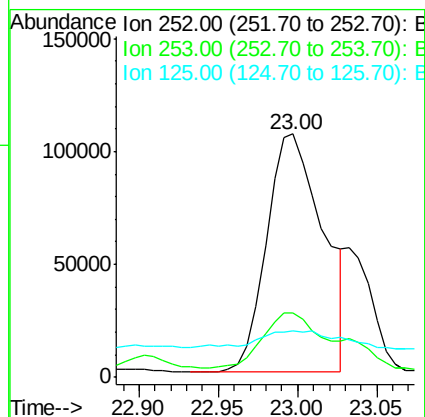
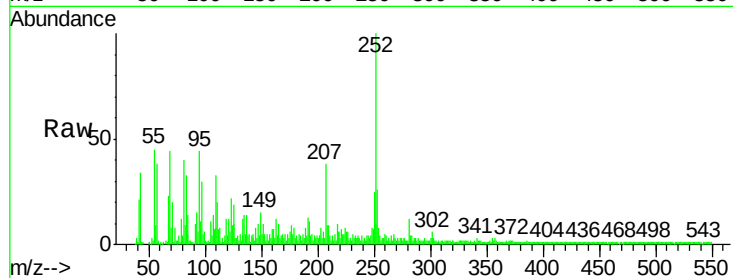
Instrument :

BNA_M

ClientSampleId :

JHGK8

Tgt Ion:	252	Resp:	261630
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.5	26.3
125	18.9	7.0	10.6#



#88

Benzo(a)pyrene

Concen: 7.71 ng/ul

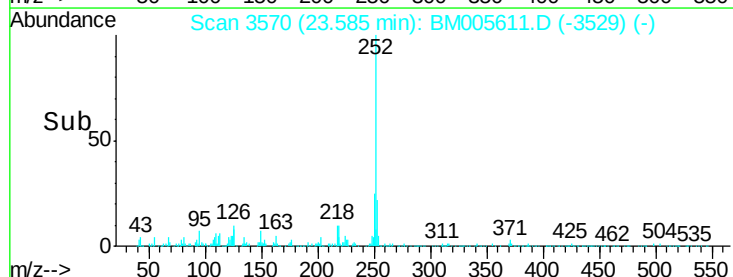
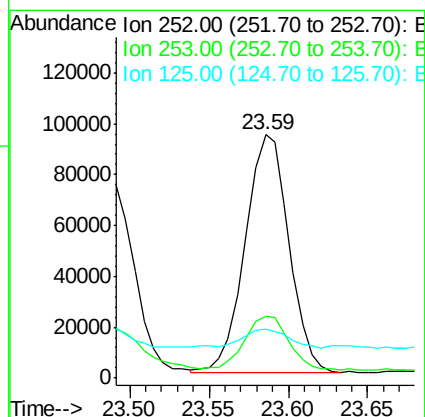
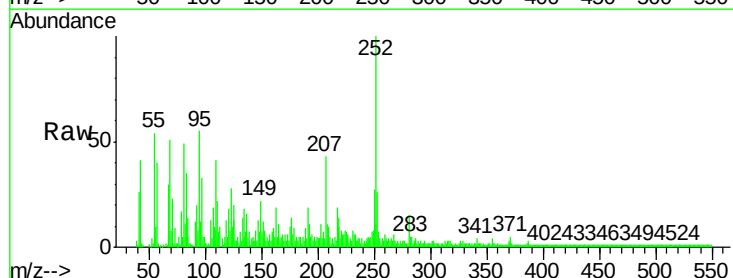
RT: 23.59 min Scan# 3570

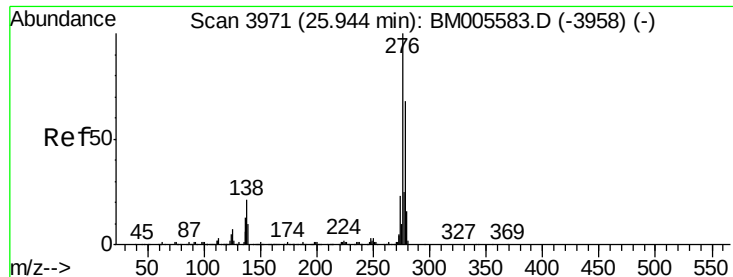
Delta R.T. 0.04 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

Tgt Ion:	252	Resp:	178603
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.6	26.4
125	20.2	7.6	11.4#





#89

Indeno(1,2,3-cd)pyrene

Concen: 4.09 ng/ul

RT: 26.01 min Scan# 3983

Delta R.T. 0.07 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

Instrument :

BNA_M

ClientSampleId :

JHGK8

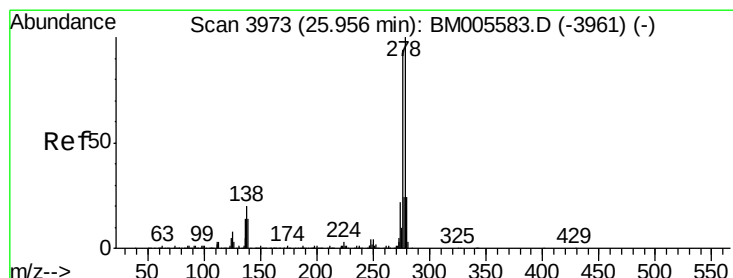
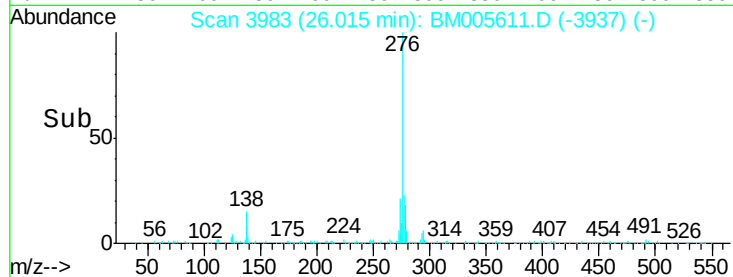
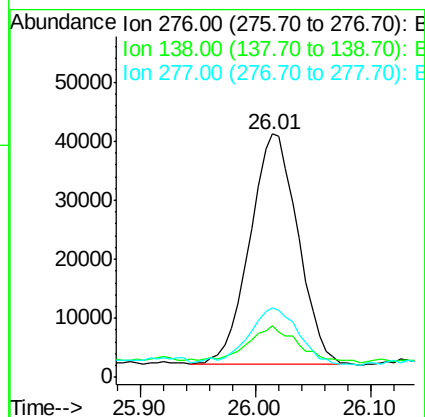
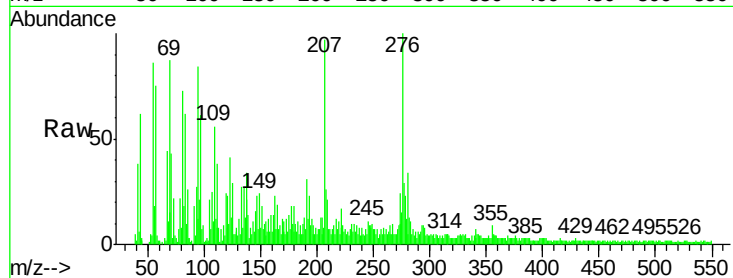
Tgt Ion:276 Resp: 112443

Ion Ratio Lower Upper

276 100

138 21.2 16.9 25.3

277 28.6 20.2 30.4



#90

Dibenzo(a,h)anthracene

Concen: 1.23 ng/ul

RT: 26.02 min Scan# 3984

Delta R.T. 0.06 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

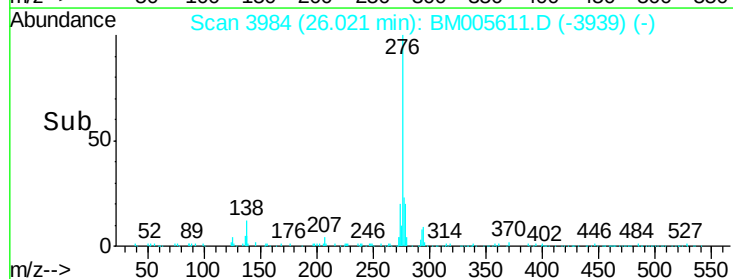
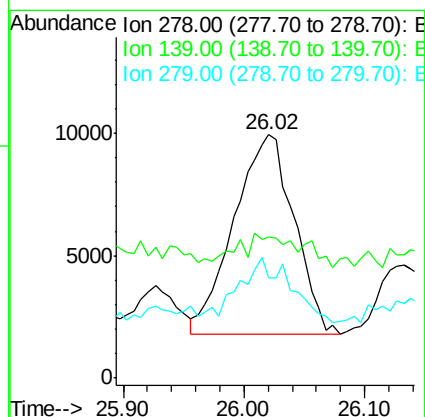
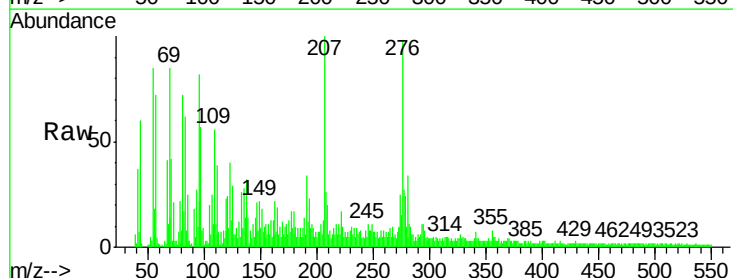
Tgt Ion:278 Resp: 28103

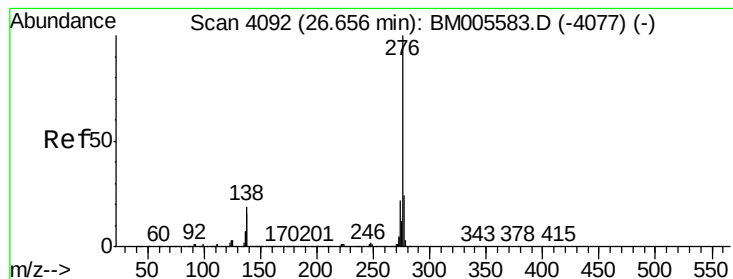
Ion Ratio Lower Upper

278 100

139 58.1 11.8 17.6#

279 41.2 19.4 29.2#





#91

Benzo(g,h,i)perylene

Concen: 4.53 ng/ul

RT: 26.73 min Scan# 4105

Delta R.T. 0.08 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

Instrument :

BNA_M

ClientSampleId :

JHGK8

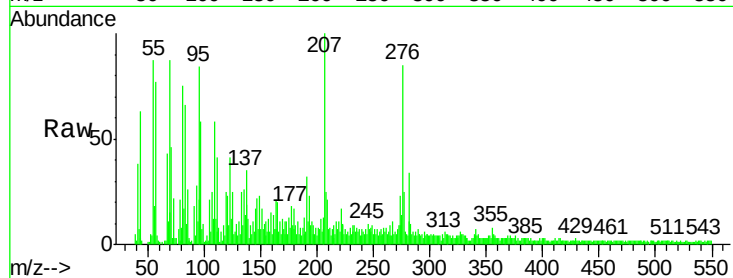
Tgt Ion: 276 Resp: 104878

Ion Ratio Lower Upper

276 100

138 22.6 15.0 22.6#

277 29.5 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

