

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
 Data File : BM002198.D
 Acq On : 03 Aug 2015 15:30
 Operator : TP/UM
 Sample : G3073-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01L2

Quant Time: Aug 04 02:35:27 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 04 02:31:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	70210	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	297920	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	189178	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	441509	20.00	ng/ul	0.00
78) Chrysene-d12	21.18	240	436610	20.00	ng/ul	0.01
86) Perylene-d12	23.37	264	387745	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	2817	2.08	ng/uL	0.00
5) Phenol-d5	6.72	99	74406	14.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	38678	13.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	63657	14.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	50530	12.66	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	31238	14.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.41	143	36222	15.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	67208	14.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	29783	5.98	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	209688	15.13	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	260485	15.03	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	19540	8.45	ng/ul	0.00
58) Fluorene-d10	15.20	176	192285	15.77	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	10286	3.81	ng/ul	0.00
71) Anthracene-d10	17.06	188	296247	15.03	ng/ul	0.00
79) Pyrene-d10	19.37	212	319614	17.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.23	264	267371	14.22	ng/ul	0.02

Target Compounds

						Qvalue
14) Acetophenone	8.36	105	8325	1.32	ng/ul	97
28) Naphthalene	10.37	128	17084	1.21	ng/ul	97
34) 2-Methylnaphthalene	11.99	142	10982	1.07	ng/ul	93
35) 1-Methylnaphthalene	11.99	142	10982	1.11	ng/ul	97
45) Dimethylphthalate	13.66	163	73510	5.31	ng/ul	99
48) Acenaphthylene	13.93	152	23273	1.30	ng/ul	99
70) Phenanthrene	17.00	178	170017	7.43	ng/ul	99
72) Anthracene	17.09	178	64226	2.75	ng/ul	98
76) Di-n-butylphthalate	17.93	149	187187	7.86	ng/ul	98
77) Fluoranthene	19.03	202	447630	16.95	ng/ul	99
80) Pyrene	19.40	202	408739	17.20	ng/ul	100
81) Butylbenzylphthalate	20.30	149	44853	4.94	ng/ul	92
83) Benzo(a)anthracene	21.16	228	235326	9.72	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.11	149	11046490	795.13	ng/ul#	89
85) Chrysene	21.22	228	306763	13.55	ng/ul	96
88) Benzo(b)fluoranthene	22.71	252	419765	19.27	ng/ul#	93
89) Benzo(k)fluoranthene	22.71	252	143898	6.85	ng/ul#	94
91) Benzo(a)pyrene	23.28	252	225073	10.70	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.57	276	194373	8.02	ng/ul	96
93) Dibenzo(a,h)anthracene	25.56	278	56031	2.70	ng/ul#	81
94) Benzo(g,h,i)perylene	26.25	276	178631	8.79	ng/ul	98

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ALS Vial : 17 Sample Multiplier: 1

Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 04 02:31:26 2015
Response via : Initial Calibration

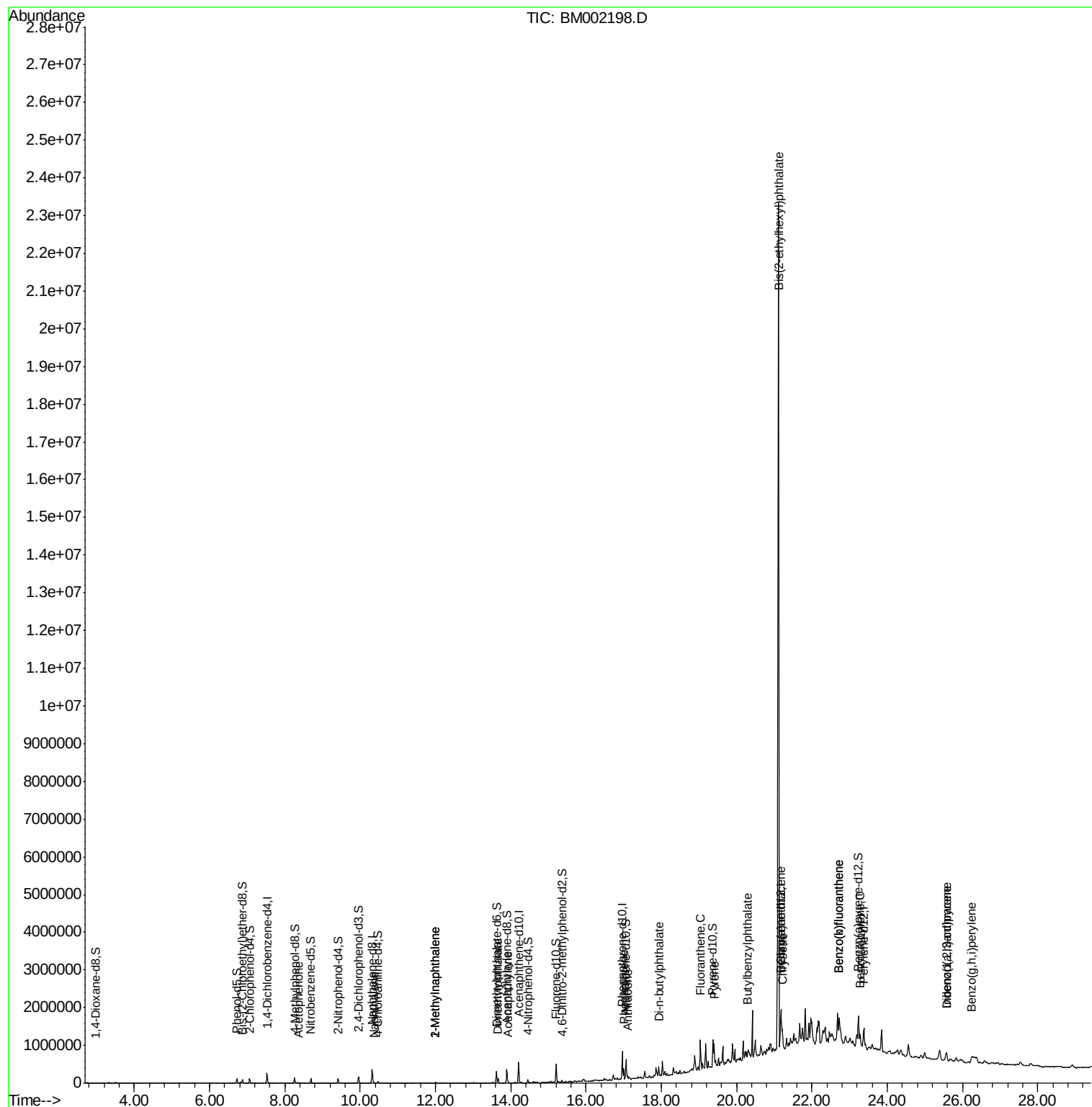
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

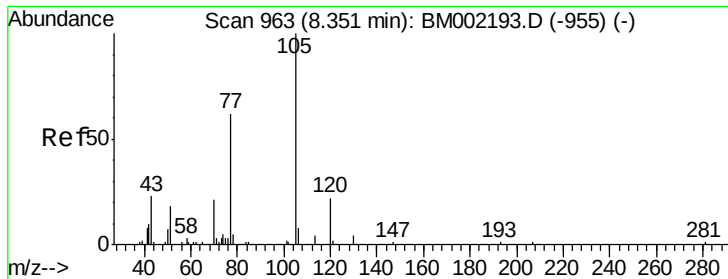
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Acq On : 03 Aug 2015 15:30
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#14

Acetophenone

Concen: 1.32 ng/ul

RT: 8.36 min Scan# 964

Delta R.T. 0.01 min

Lab File: BM002198.D

Acq: 03 Aug 2015 15:30

Instrument :

BNA_M

ClientSampleId :

C01L2

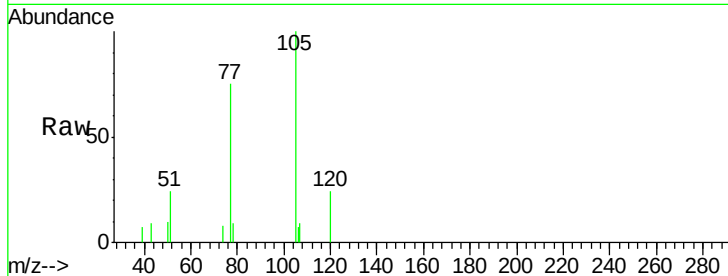
Tgt Ion:105 Resp: 8325

Ion Ratio Lower Upper

105 100

77 74.5 61.8 92.8

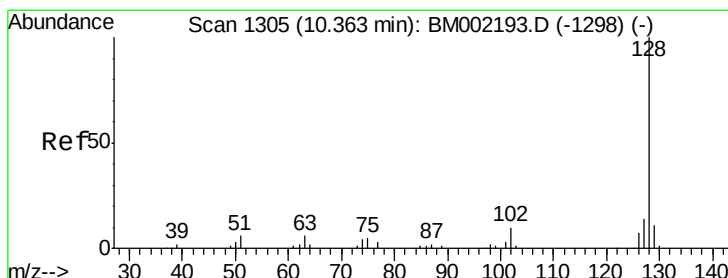
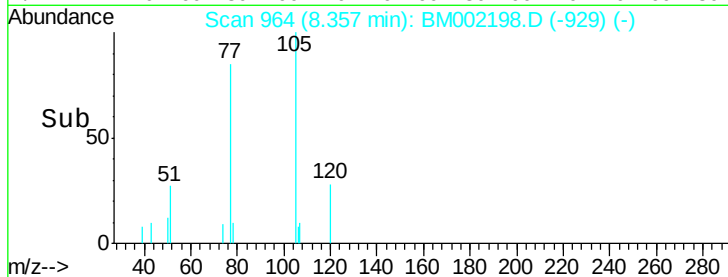
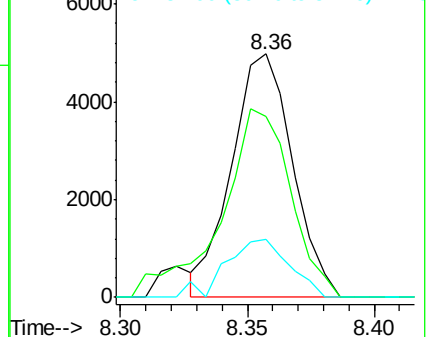
51 24.0 18.5 27.7



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: 1.21 ng/ul

RT: 10.37 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BM002198.D

Acq: 03 Aug 2015 15:30

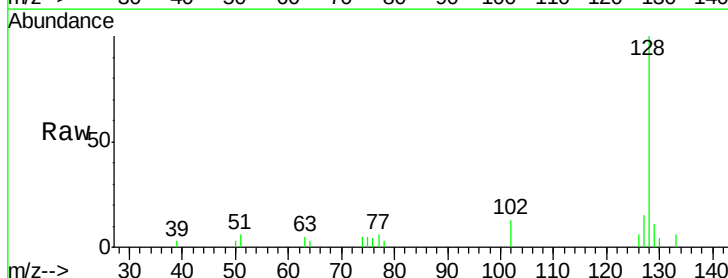
Tgt Ion:128 Resp: 17084

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

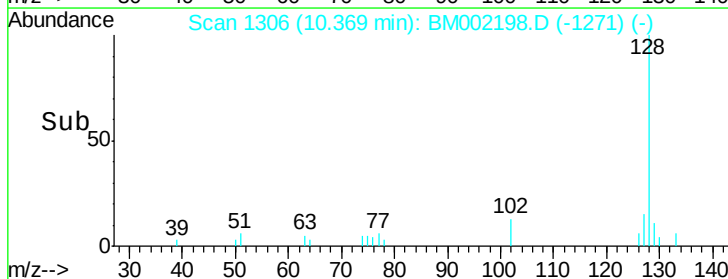
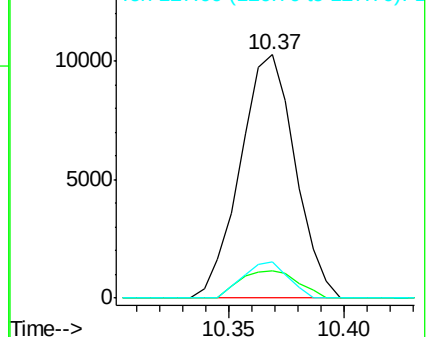
127 14.9 10.2 15.4

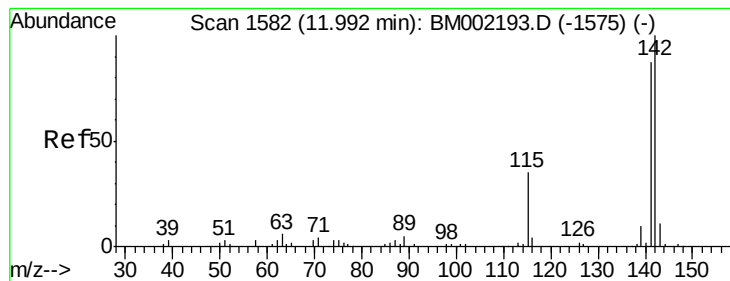


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#34

2-Methylnaphthalene

Concen: 1.07 ng/ul

RT: 11.99 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BM002198.D

Acq: 03 Aug 2015 15:30

Instrument :

BNA_M

ClientSampleId :

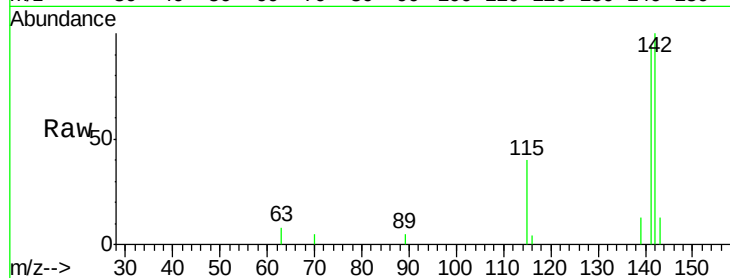
C01L2

Tgt Ion:142 Resp: 10982

Ion Ratio Lower Upper

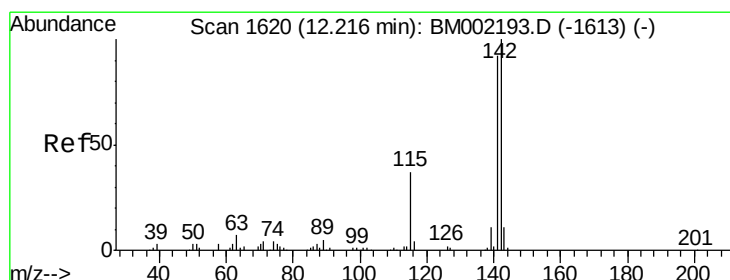
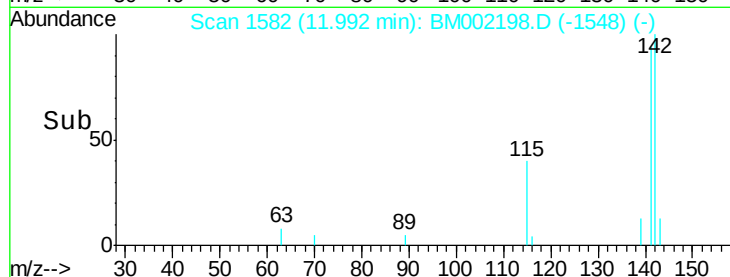
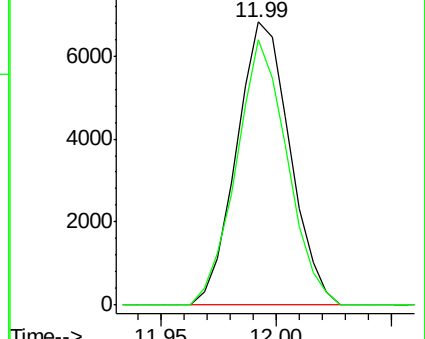
142 100

141 93.8 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 1.11 ng/ul

RT: 11.99 min Scan# 1582

Delta R.T. -0.22 min

Lab File: BM002198.D

Acq: 03 Aug 2015 15:30

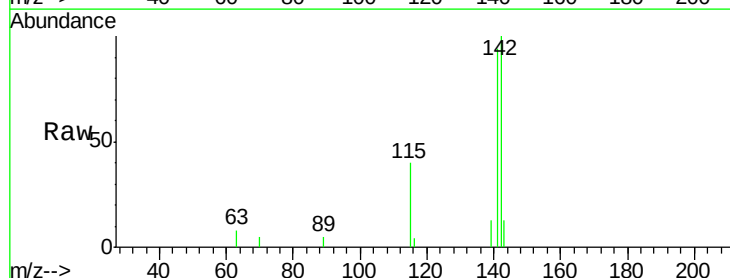
Tgt Ion:142 Resp: 10982

Ion Ratio Lower Upper

142 100

141 93.8 72.4 108.6

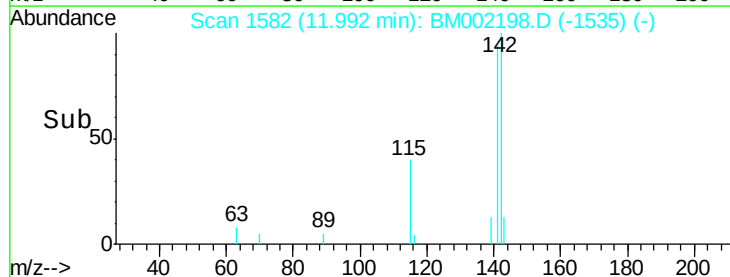
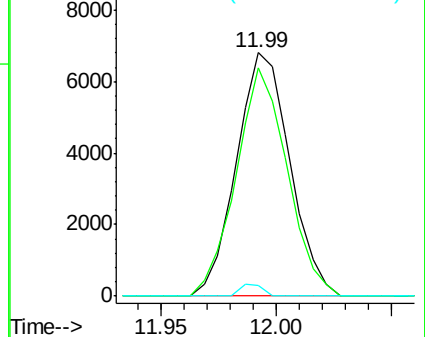
116 4.5 3.2 4.8

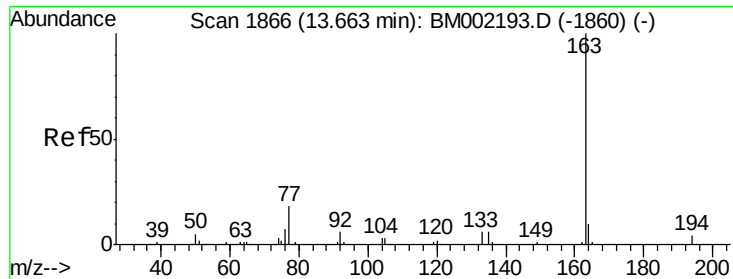


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

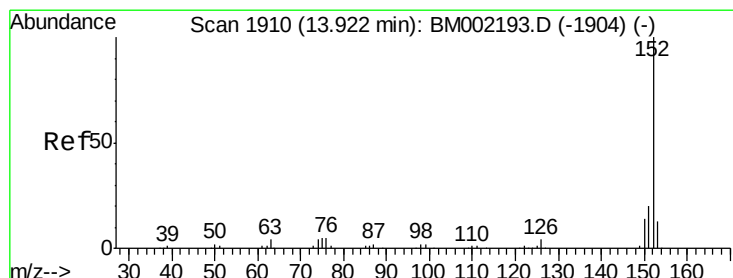
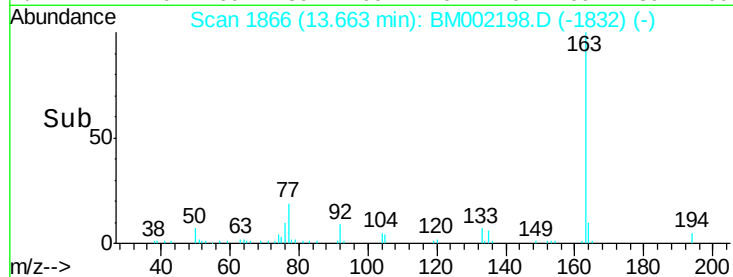
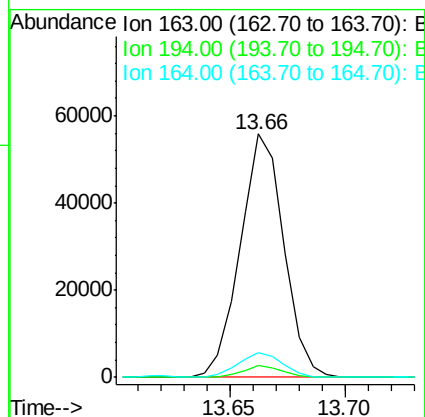
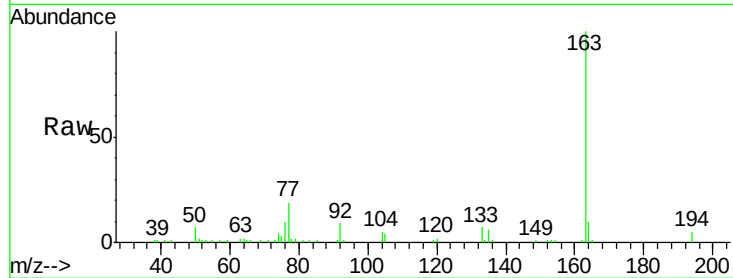




#45
Dimethylphthalate
Concen: 5.31 ng/ul
RT: 13.66 min Scan# 1866
Delta R.T. -0.00 min
Lab File: BM002198.D
Acq: 03 Aug 2015 15:30

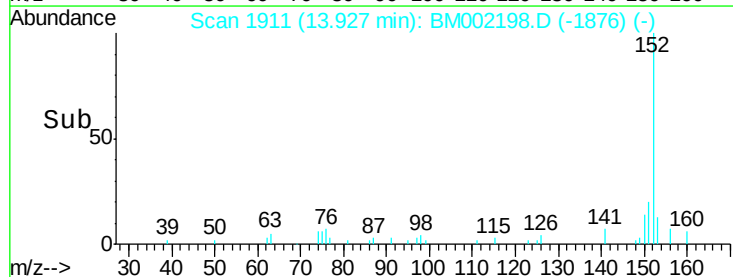
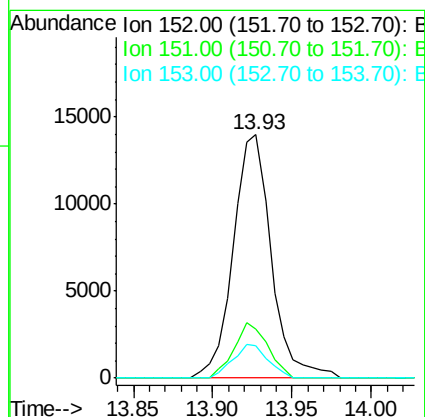
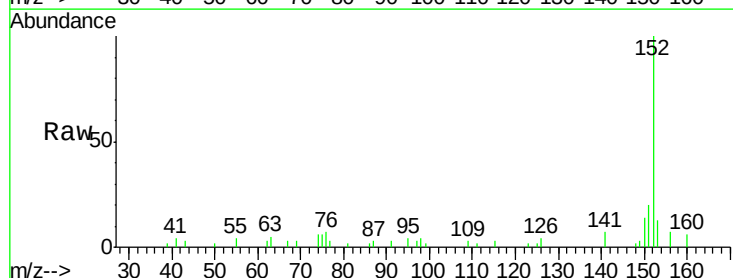
Instrument :
BNA_M
ClientSampleId :
C01L2

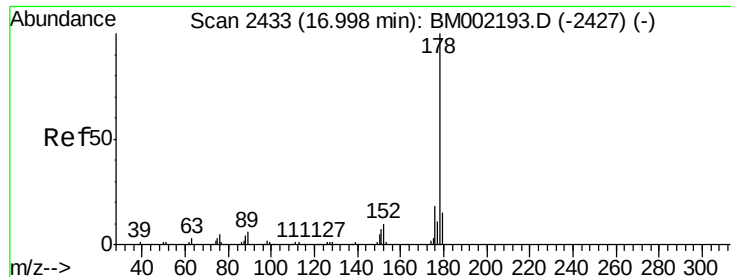
Tgt Ion:163 Resp: 73510
Ion Ratio Lower Upper
163 100
194 4.7 3.5 5.3
164 10.4 8.0 12.0



#48
Acenaphthylene
Concen: 1.30 ng/ul
RT: 13.93 min Scan# 1911
Delta R.T. 0.01 min
Lab File: BM002198.D
Acq: 03 Aug 2015 15:30

Tgt Ion:152 Resp: 23273
Ion Ratio Lower Upper
152 100
151 20.1 15.6 23.4
153 13.5 10.3 15.5

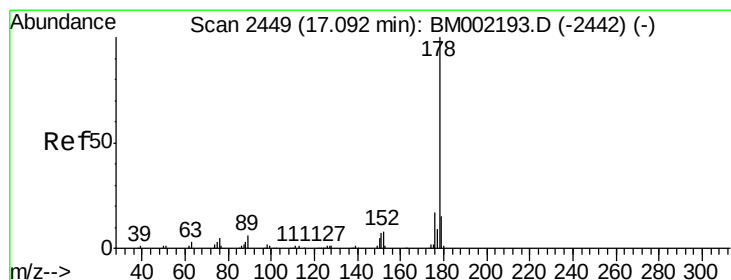
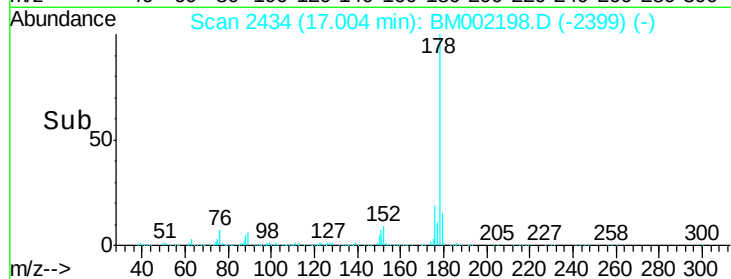
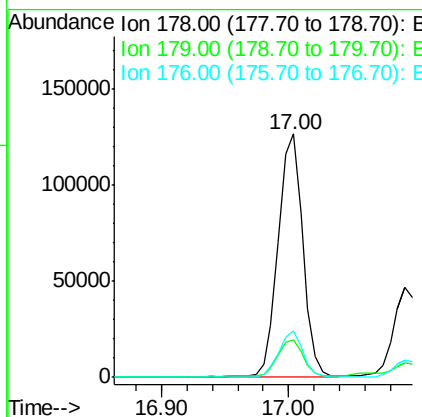
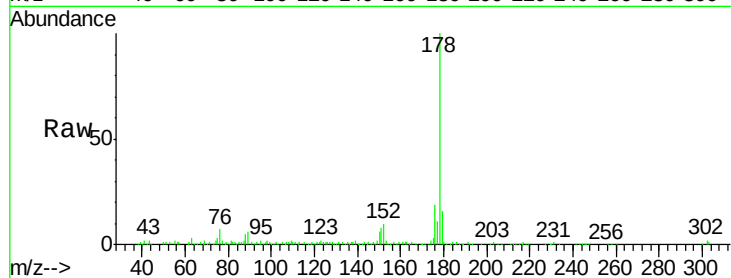




#70
Phenanthrene
Concen: 7.43 ng/ul
RT: 17.00 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BM002198.D
Acq: 03 Aug 2015 15:30

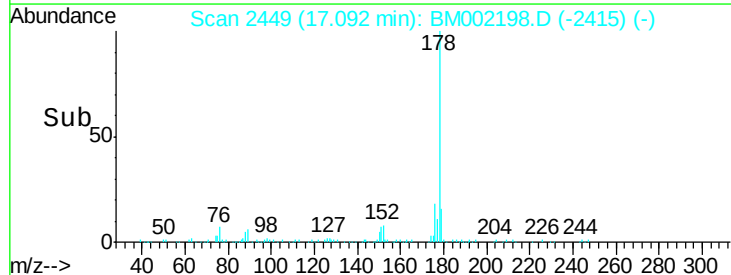
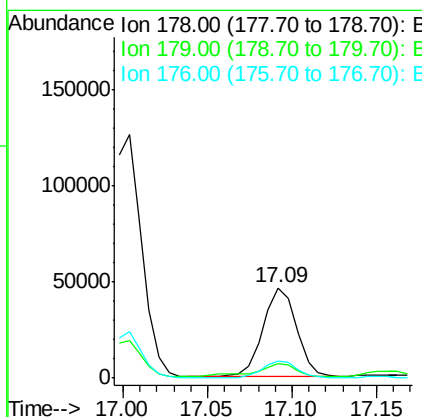
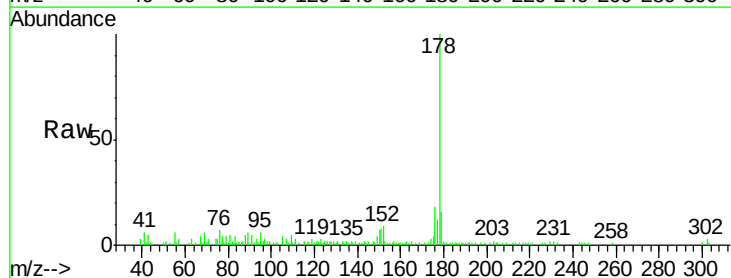
Instrument :
BNA_M
ClientSampleId :
C01L2

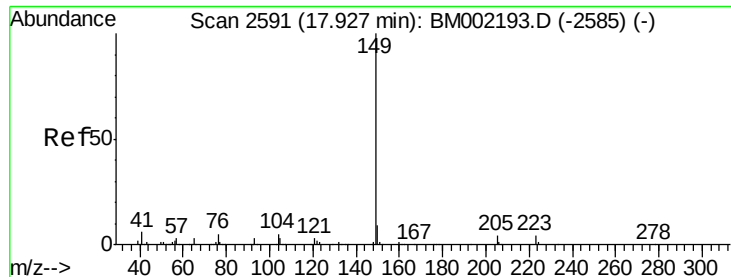
Tgt Ion:178 Resp: 170017
Ion Ratio Lower Upper
178 100
179 15.6 12.5 18.7
176 18.8 14.2 21.4



#72
Anthracene
Concen: 2.75 ng/ul
RT: 17.09 min Scan# 2449
Delta R.T. -0.00 min
Lab File: BM002198.D
Acq: 03 Aug 2015 15:30

Tgt Ion:178 Resp: 64226
Ion Ratio Lower Upper
178 100
179 16.5 12.1 18.1
176 18.4 14.1 21.1





#76

Di-n-butylphthalate

Concen: 7.86 ng/ul

RT: 17.93 min Scan# 2591

Delta R.T. -0.00 min

Lab File: BM002198.D

Acq: 03 Aug 2015 15:30

Instrument :

BNA_M

ClientSampleId :

C01L2

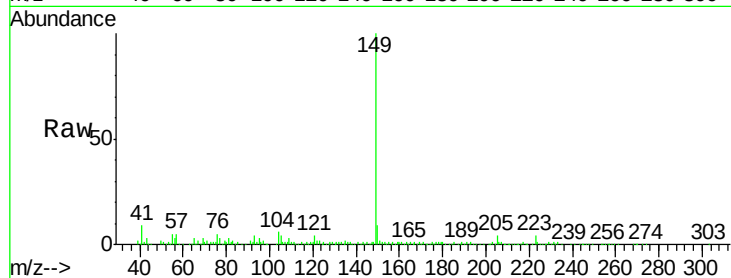
Tgt Ion:149 Resp: 187187

Ion Ratio Lower Upper

149 100

150 9.3 7.0 10.4

104 5.7 4.2 6.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

17.93

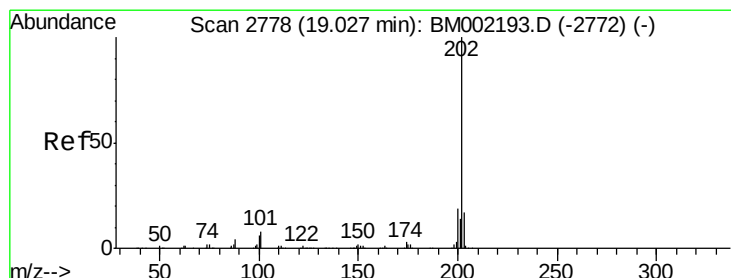
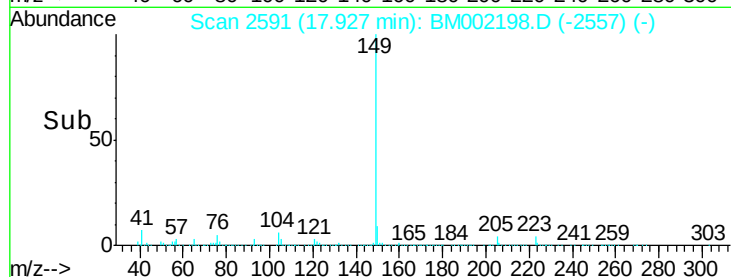
150000

100000

50000

0

Time-->



#77

Fluoranthene

Concen: 16.95 ng/ul

RT: 19.03 min Scan# 2779

Delta R.T. 0.01 min

Lab File: BM002198.D

Acq: 03 Aug 2015 15:30

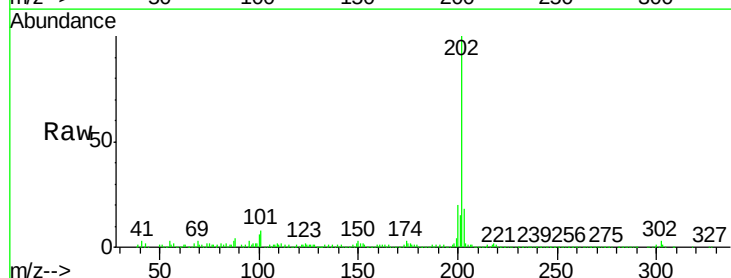
Tgt Ion:202 Resp: 447630

Ion Ratio Lower Upper

202 100

101 7.9 6.2 9.4

100 6.0 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

19.03

400000

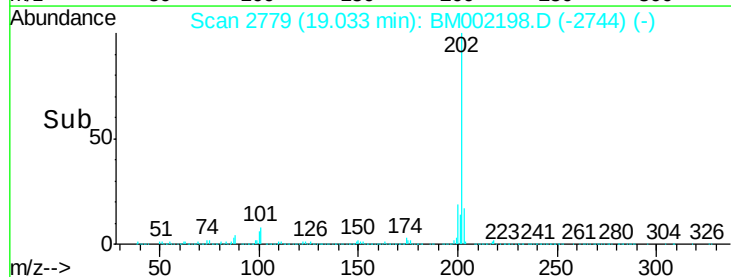
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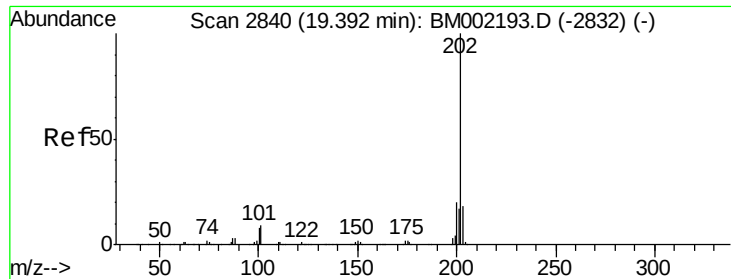
200000

100000

0

Time-->

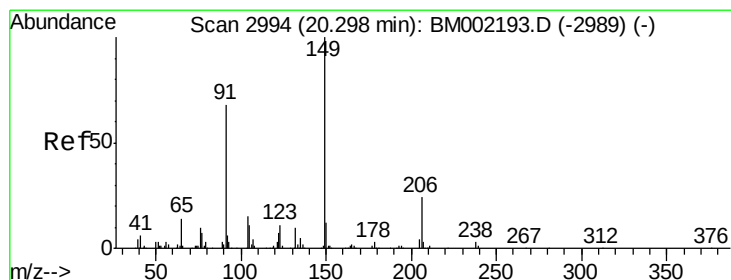
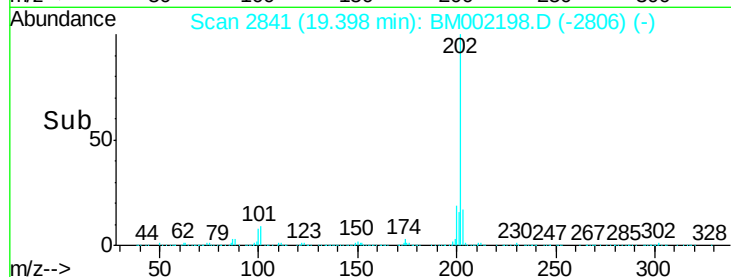
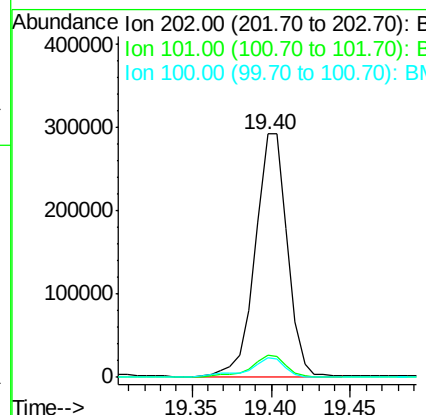
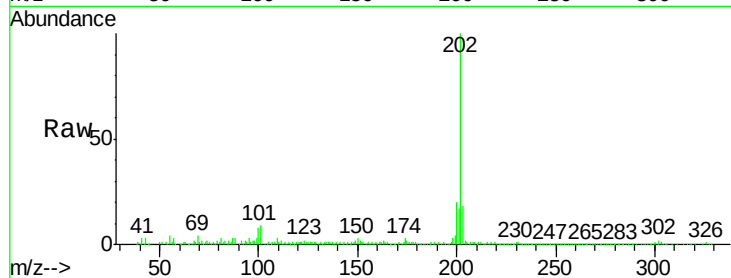




#80
 Pyrene
 Concen: 17.20 ng/ul
 RT: 19.40 min Scan# 2841
 Delta R.T. 0.01 min
 Lab File: BM002198.D
 Acq: 03 Aug 2015 15:30

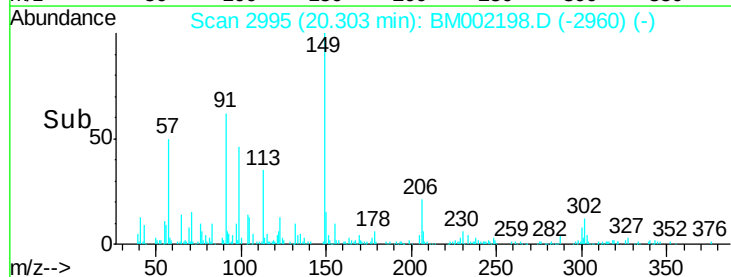
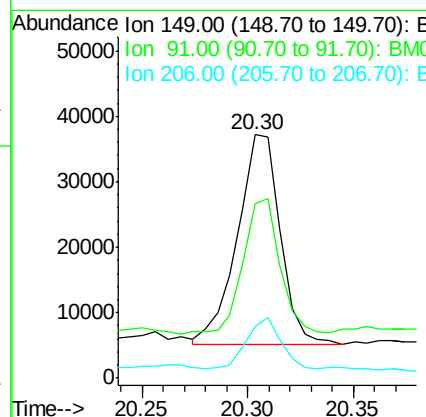
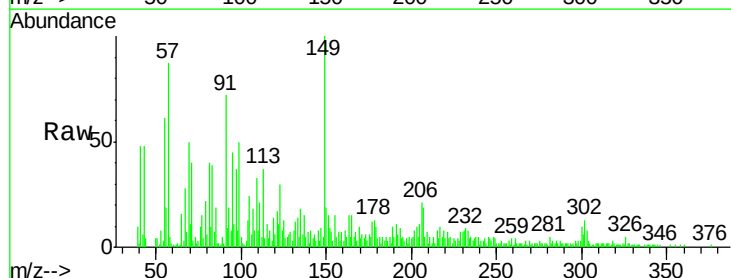
Instrument :
 BNA_M
 ClientSampleId :
 C01L2

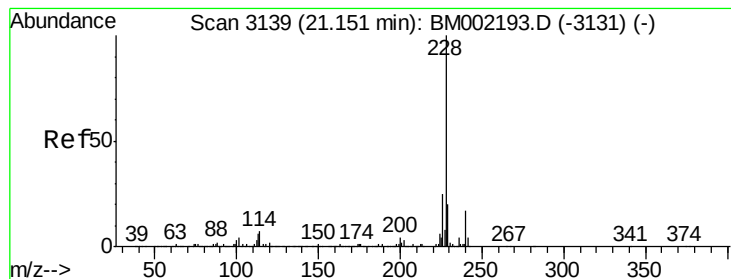
Tgt Ion:	202	Resp:	408739
Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.4	11.2
100	7.8	6.3	9.5



#81
 Butylbenzylphthalate
 Concen: 4.94 ng/ul
 RT: 20.30 min Scan# 2995
 Delta R.T. 0.01 min
 Lab File: BM002198.D
 Acq: 03 Aug 2015 15:30

Tgt Ion:	149	Resp:	44853
Ion	Ratio	Lower	Upper
149	100		
91	71.8	52.4	78.6
206	21.4	19.9	29.9





#83

Benzo(a)anthracene

Concen: 9.72 ng/ul

RT: 21.16 min Scan# 3141

Delta R.T. 0.01 min

Lab File: BM002198.D

Acq: 03 Aug 2015 15:30

Instrument :

BNA_M

ClientSampleId :

C01L2

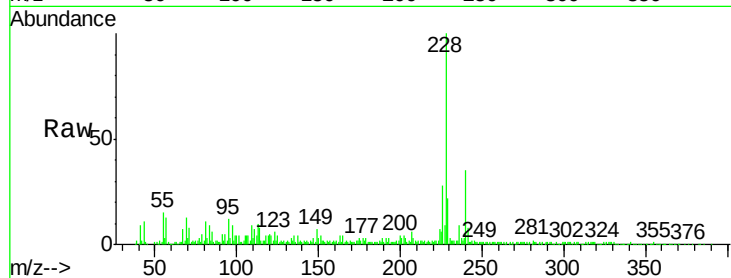
Tgt Ion:228 Resp: 235326

Ion Ratio Lower Upper

228 100

229 21.7 15.4 23.2

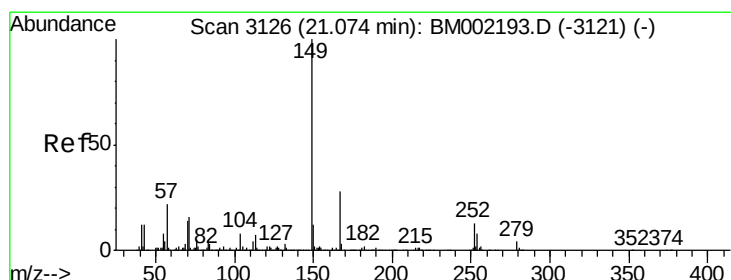
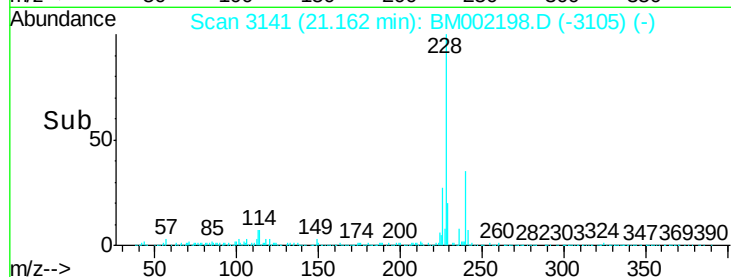
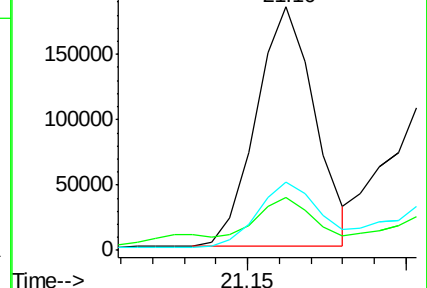
226 27.8 20.5 30.7



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 795.13 ng/ul

RT: 21.11 min Scan# 3132

Delta R.T. 0.04 min

Lab File: BM002198.D

Acq: 03 Aug 2015 15:30

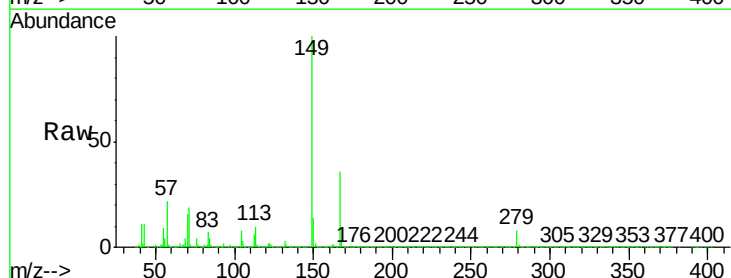
Tgt Ion:149 Resp:11046490

Ion Ratio Lower Upper

149 100

167 35.8 23.6 35.4#

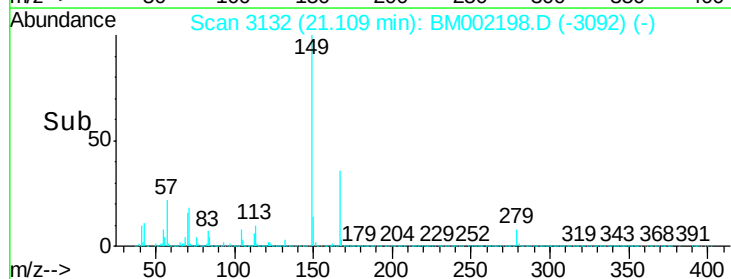
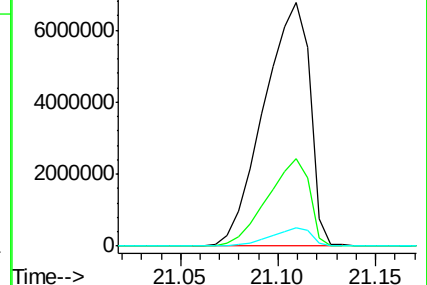
279 7.5 4.2 6.4#

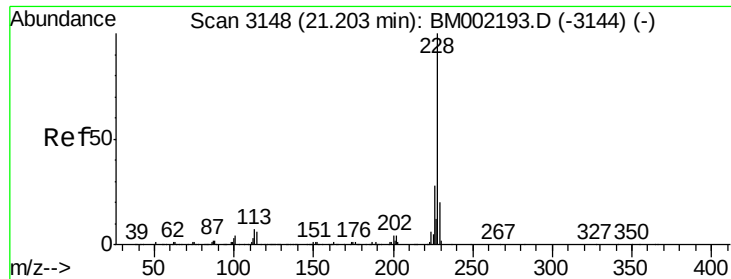


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

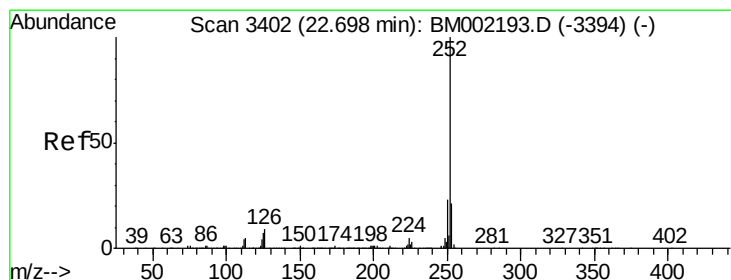
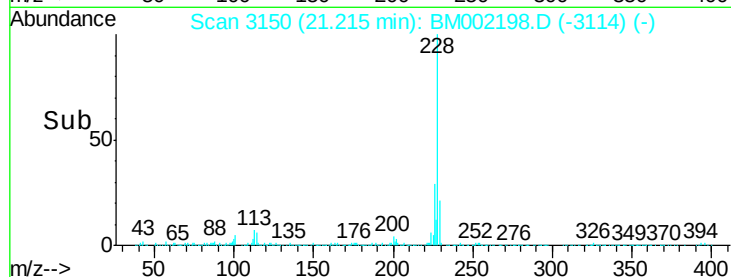
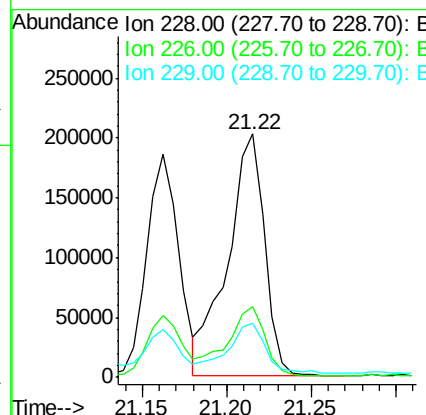
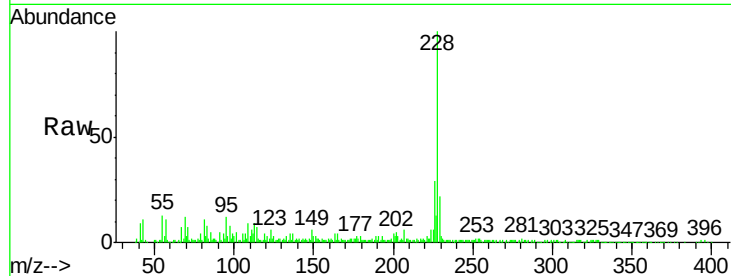




#85
Chrysene
Concen: 13.55 ng/ul
RT: 21.22 min Scan# 3150
Delta R.T. 0.01 min
Lab File: BM002198.D
Acq: 03 Aug 2015 15:30

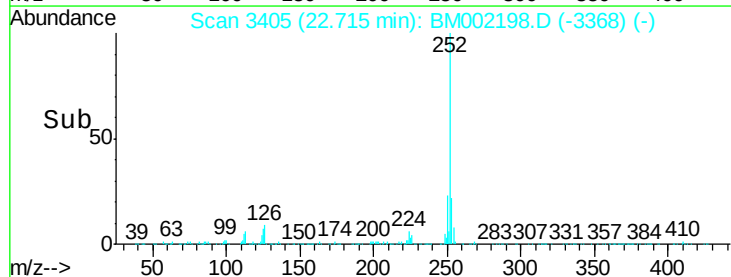
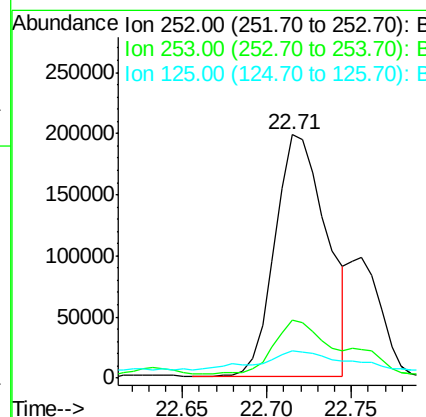
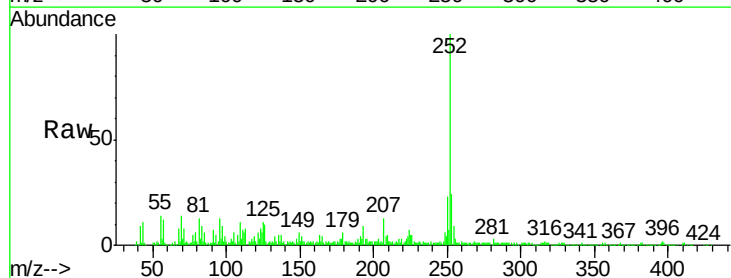
Instrument :
BNA_M
ClientSampleId :
C01L2

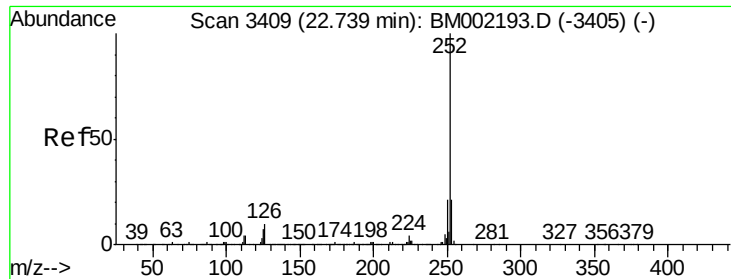
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.3	33.5
229	22.1	15.5	23.3



#88
Benzo(b)fluoranthene
Concen: 19.27 ng/ul
RT: 22.71 min Scan# 3405
Delta R.T. 0.02 min
Lab File: BM002198.D
Acq: 03 Aug 2015 15:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.9	25.3
125	11.1	6.2	9.2





#89

Benzo(k)fluoranthene

Concen: 6.85 ng/ul

RT: 22.71 min Scan# 3405

Delta R.T. -0.02 min

Lab File: BM002198.D

Acq: 03 Aug 2015 15:30

Instrument :

BNA_M

ClientSampled :

C01L2

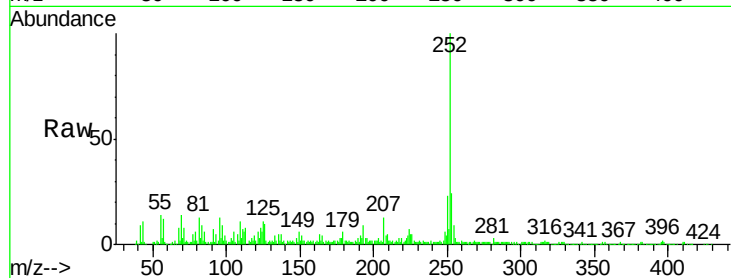
Tgt Ion:252 Resp: 143898

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

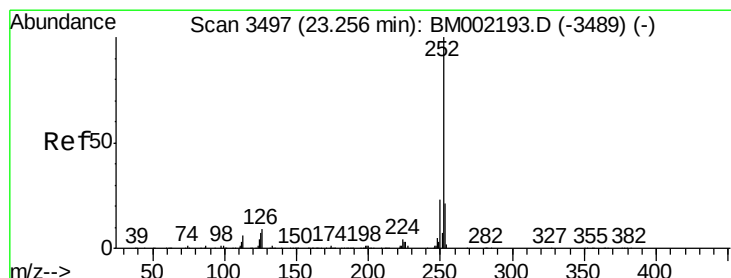
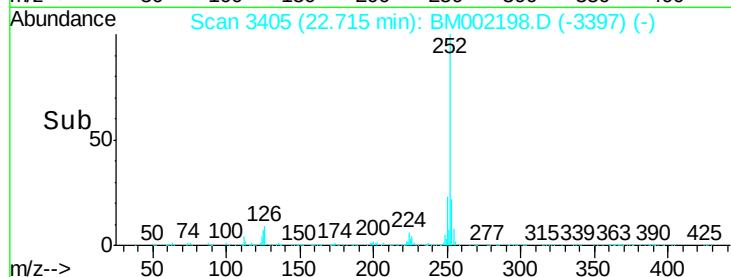
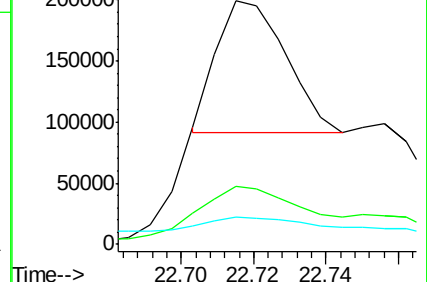
125 11.1 6.2 9.4#



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



#91

Benzo(a)pyrene

Concen: 10.70 ng/ul

RT: 23.28 min Scan# 3501

Delta R.T. 0.02 min

Lab File: BM002198.D

Acq: 03 Aug 2015 15:30

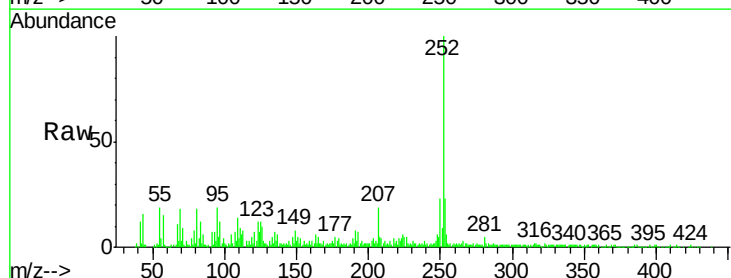
Tgt Ion:252 Resp: 225073

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

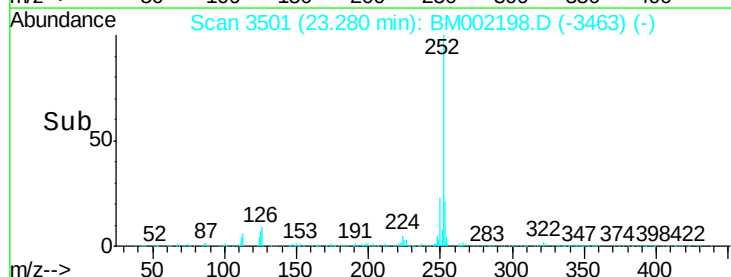
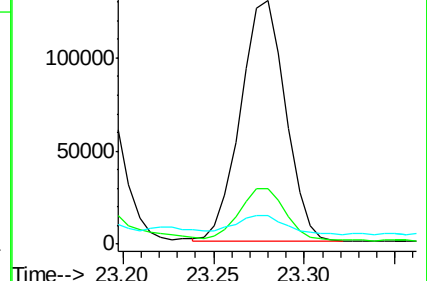
125 11.8 6.6 10.0#

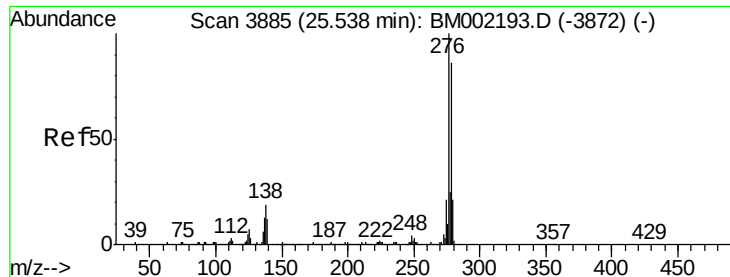


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 8.02 ng/ul

RT: 25.57 min Scan# 3890

Delta R.T. 0.03 min

Lab File: BM002198.D

Acq: 03 Aug 2015 15:30

Instrument :

BNA_M

ClientSampleId :

C01L2

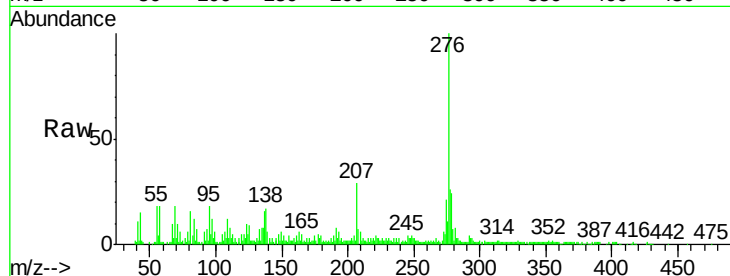
Tgt Ion: 276 Resp: 194373

Ion Ratio Lower Upper

276 100

138 17.3 16.2 24.2

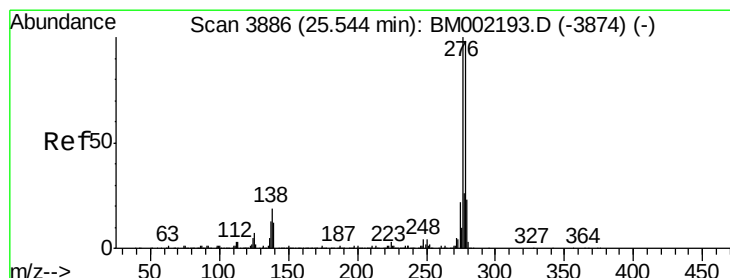
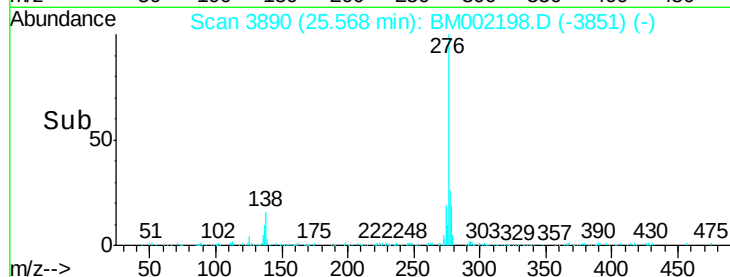
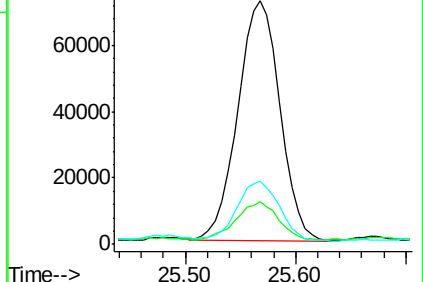
277 25.9 19.8 29.8



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



#93

Dibenzo(a,h)anthracene

Concen: 2.70 ng/ul

RT: 25.56 min Scan# 3889

Delta R.T. 0.02 min

Lab File: BM002198.D

Acq: 03 Aug 2015 15:30

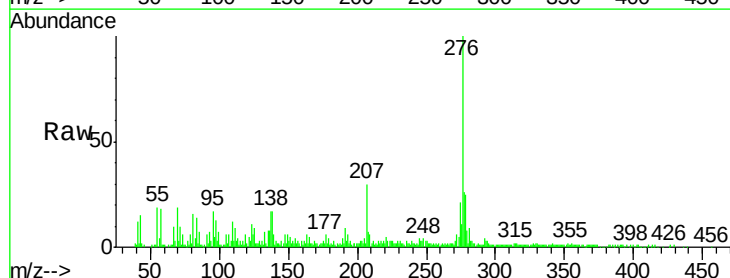
Tgt Ion: 278 Resp: 56031

Ion Ratio Lower Upper

278 100

139 23.6 10.6 16.0#

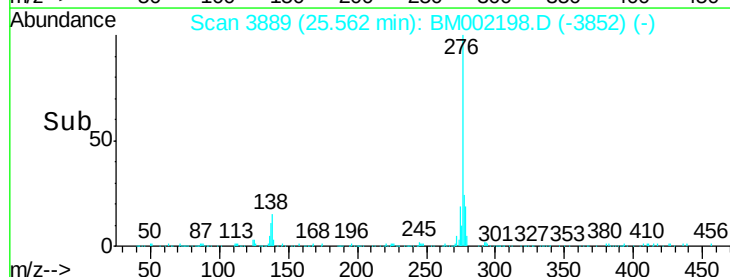
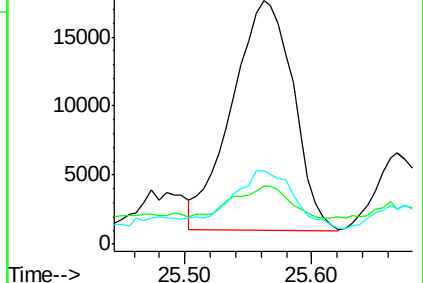
279 30.4 18.5 27.7#

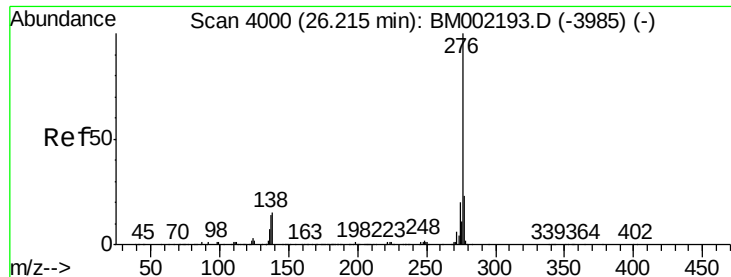


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 8.79 ng/ul

RT: 26.25 min Scan# 4006

Delta R.T. 0.04 min

Lab File: BM002198.D

Acq: 03 Aug 2015 15:30

Instrument :

BNA_M

ClientSampleId :

C01L2

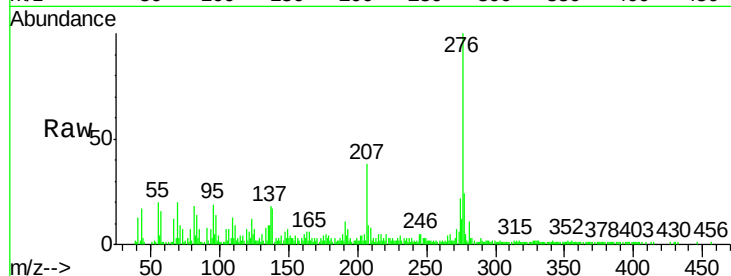
Tgt Ion: 276 Resp: 178631

Ion Ratio Lower Upper

276 100

138 17.1 13.8 20.6

277 24.2 18.2 27.2



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

