

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
 Data File : BM007399.D
 Acq On : 03 Sep 2016 10:10
 Operator : UM/SJ
 Sample : H4639-19
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD395

Quant Time: Sep 05 01:45:20 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 05 01:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	167261	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	786047	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	535394	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1410363	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	1887860	20.00	ng/ul	0.00
83) Perylene-d12	23.62	264	1866979	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	12456	3.81	ng/uL	0.00
5) Phenol-d5	6.96	99	328388	20.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	177975	21.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	252671	21.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	270799	19.65	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	138417	23.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	162038	24.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	301133	22.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	166048	9.92	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	1075782	23.29	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1295940	24.21	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	148754	17.06	ng/ul	0.00
57) Fluorene-d10	15.42	176	966448	24.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	176242	19.87	ng/ul	0.00
70) Anthracene-d10	17.27	188	1604360	24.35	ng/ul	0.00
76) Pyrene-d10	19.56	212	2062386	26.13	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	2046234	23.80	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	6.95	77	10161	1.13	ng/ul	90
28) Naphthalene	10.63	128	195003	4.99	ng/ul	99
30) 4-Chloroaniline	10.63	127	25092	1.46	ng/ul#	12
34) 2-Methylnaphthalene	12.24	142	110516	3.45	ng/ul	98
40) 1,1'-Biphenyl	13.26	154	47408	1.14	ng/ul	96
44) Dimethylphthalate	13.88	163	995368	21.63	ng/ul	99
47) Acenaphthylene	14.14	152	69024	1.25	ng/ul	97
53) Dibenzofuran	14.82	168	247411	4.61	ng/ul	95
69) Phenanthrene	17.21	178	897557	11.85	ng/ul	100
71) Anthracene	17.30	178	248237	3.18	ng/ul	99
72) Carbazole	17.57	167	137958	2.03	ng/ul#	95
74) Fluoranthene	19.23	202	1494230	15.73	ng/ul	97
77) Pyrene	19.59	202	964897	9.53	ng/ul	97
80) Benzo(a)anthracene	21.37	228	600521	5.40	ng/ul	92
82) Chrysene	21.39	228	751029	7.45	ng/ul	97
85) Benzo(b)fluoranthene	22.94	252	1850217	16.76	ng/ul	100
86) Benzo(k)fluoranthene	22.94	252	1850217	18.13	ng/ul	99
88) Benzo(a)pyrene	23.52	252	275667	2.61	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	25.90	276	336407	2.60	ng/ul	96
90) Dibenz(a,h)anthracene	25.91	278	116508	1.08	ng/ul#	84
91) Benzo(g,h,i)perylene	26.61	276	220832	2.01	ng/ul	98

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Response via : Initial Calibration

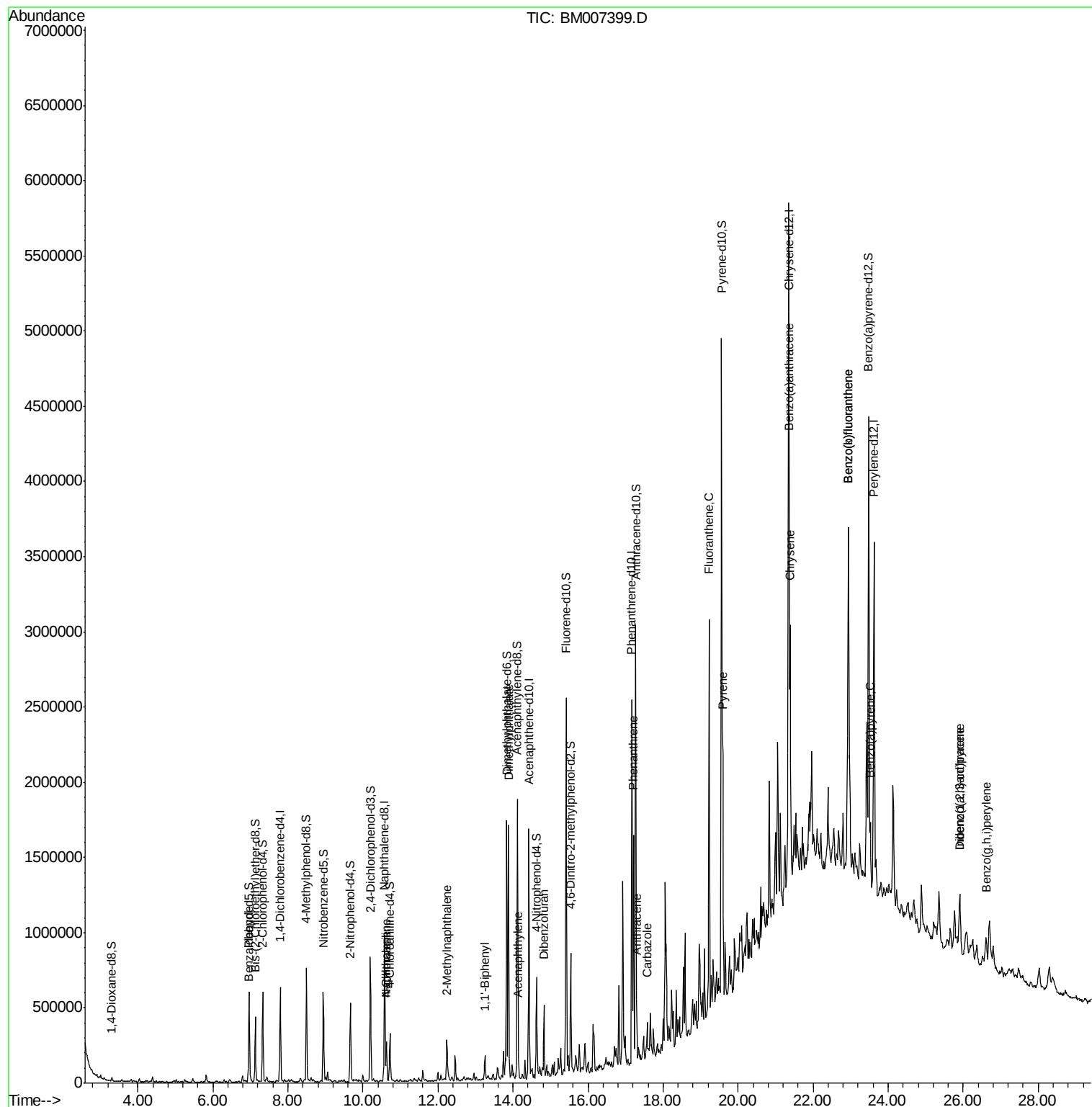
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

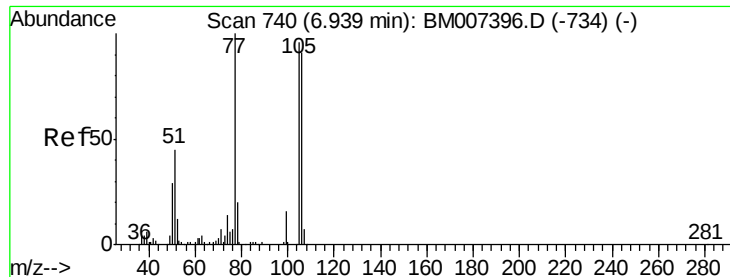
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.13 ng/ul

RT: 6.95 min Scan# 741

Delta R.T. 0.01 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

Instrument :

BNA_M

ClientSampleId :

BD395

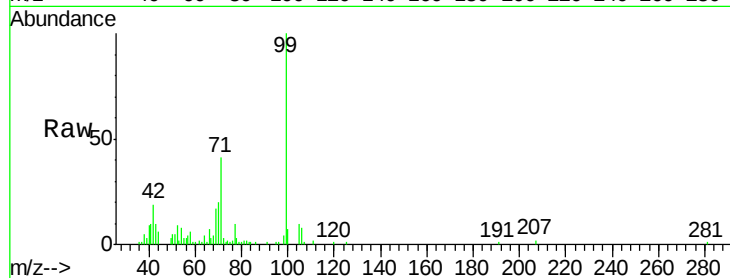
Tgt Ion: 77 Resp: 10161

Ion Ratio Lower Upper

77 100

105 106.0 76.9 115.3

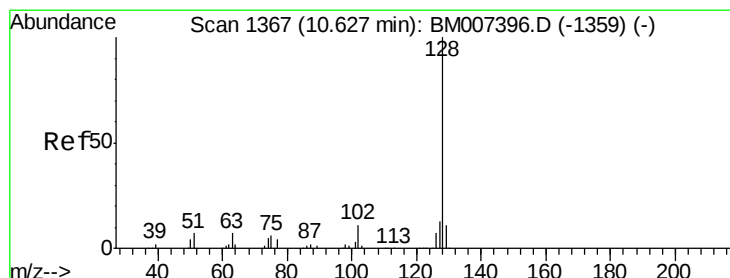
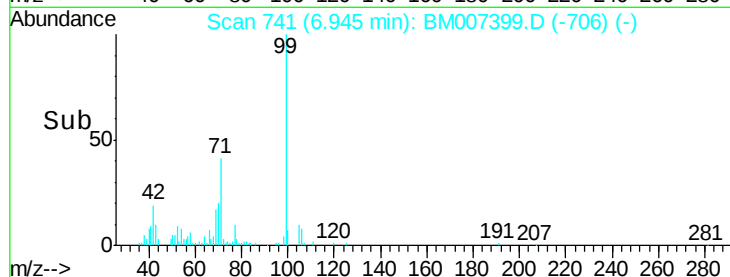
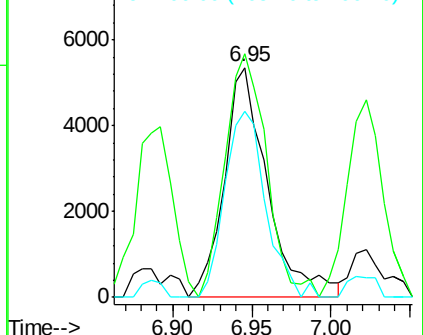
106 81.0 71.8 107.8



Abundance Ion 77.00 (76.70 to 77.70): BM007399.D (-706) (-)

Ion 105.00 (104.70 to 105.70): BM007399.D (-706) (-)

Ion 106.00 (105.70 to 106.70): BM007399.D (-706) (-)



#28

Naphthalene

Concen: 4.99 ng/ul

RT: 10.63 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

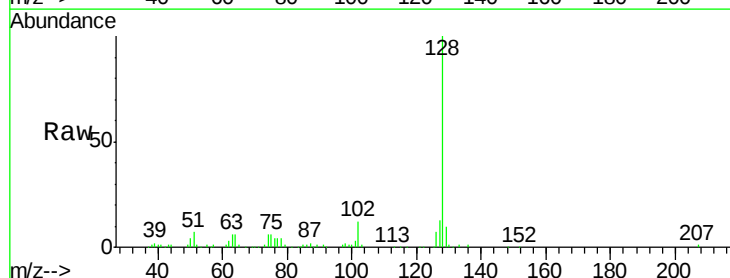
Tgt Ion: 128 Resp: 195003

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

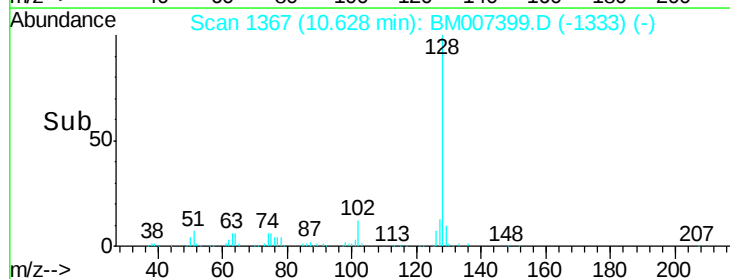
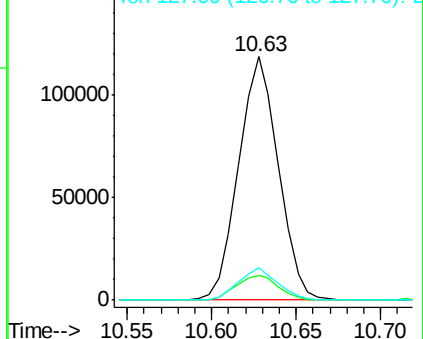
127 13.1 10.6 15.8

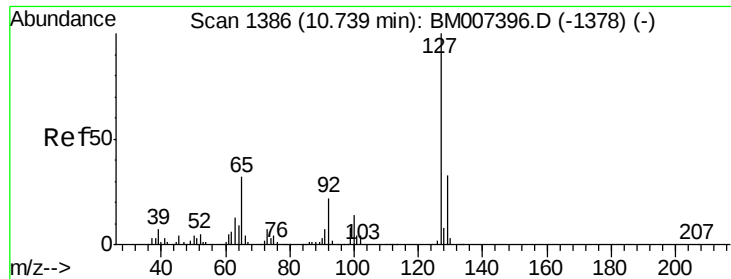


Abundance Ion 128.00 (127.70 to 128.70): BM007399.D (-1333) (-)

Ion 129.00 (128.70 to 129.70): BM007399.D (-1333) (-)

Ion 127.00 (126.70 to 127.70): BM007399.D (-1333) (-)

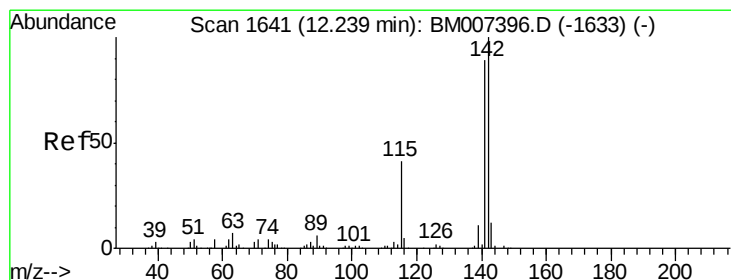
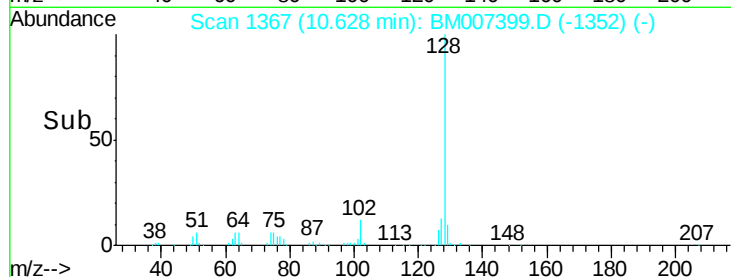
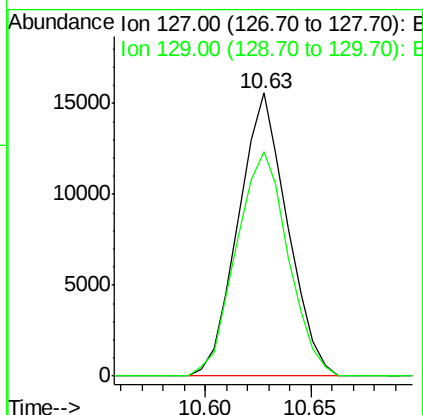
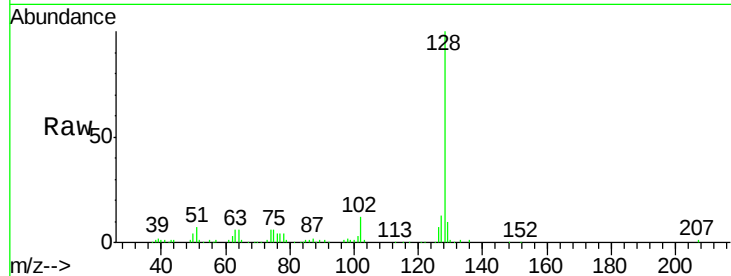




#30
4-Chloroaniline
Concen: 1.46 ng/ul
RT: 10.63 min Scan# 1367
Delta R.T. -0.11 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

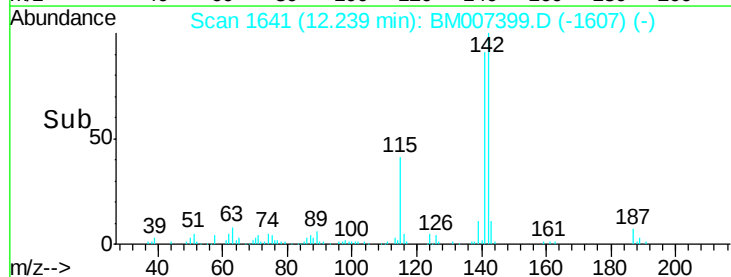
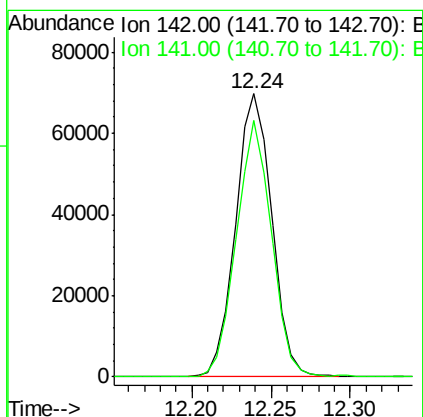
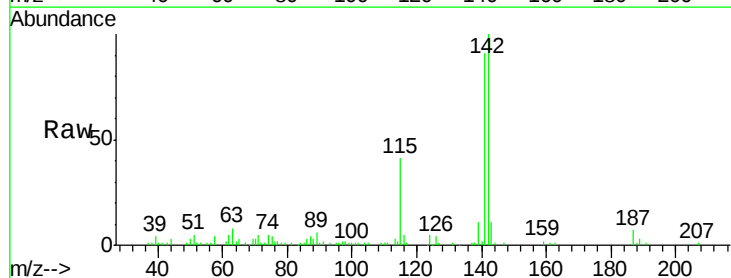
Instrument :
BNA_M
ClientSampleId :
BD395

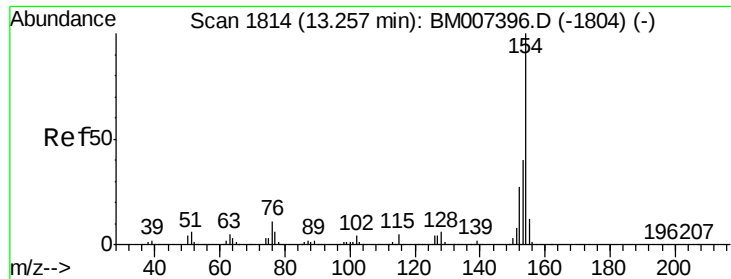
Tgt Ion:127 Resp: 25092
Ion Ratio Lower Upper
127 100
129 79.1 24.6 37.0#



#34
2-Methylnaphthalene
Concen: 3.45 ng/ul
RT: 12.24 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion:142 Resp: 110516
Ion Ratio Lower Upper
142 100
141 90.7 71.3 106.9

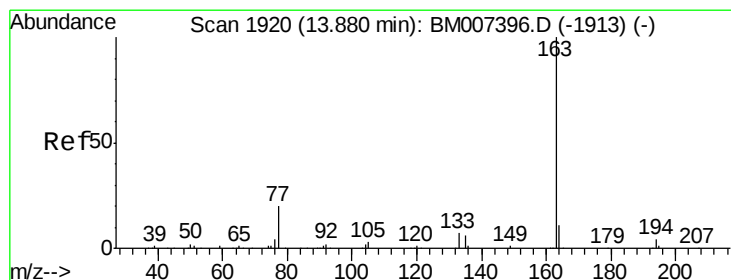
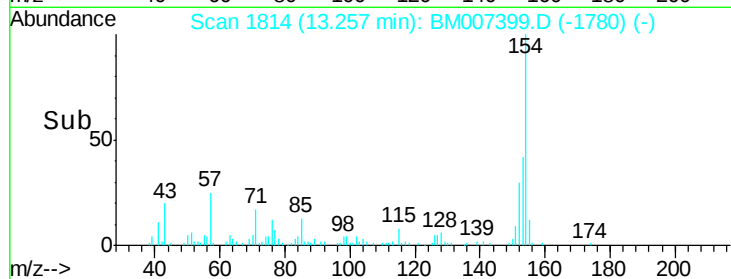
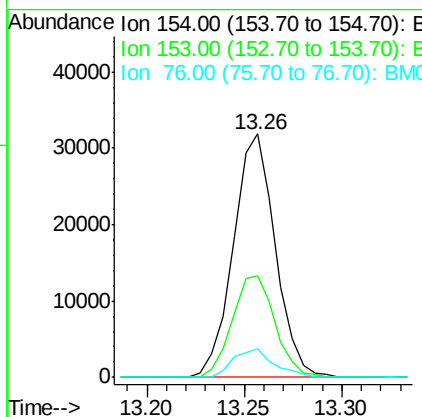
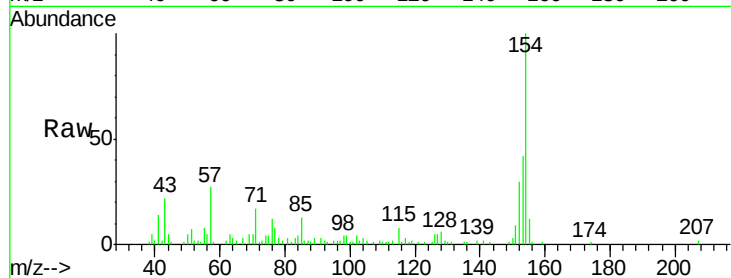




#40
1,1'-Biphenyl
Concen: 1.14 ng/ul
RT: 13.26 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

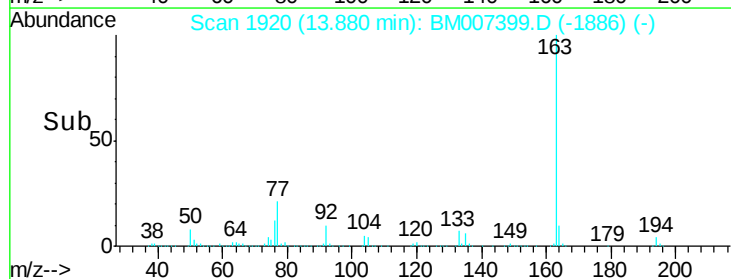
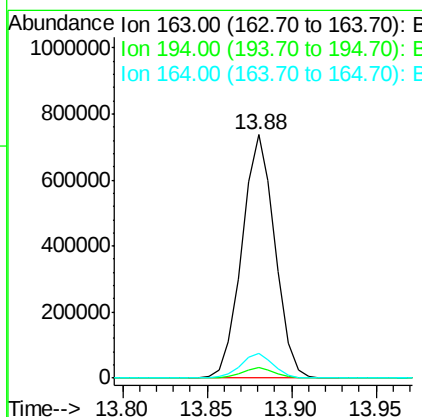
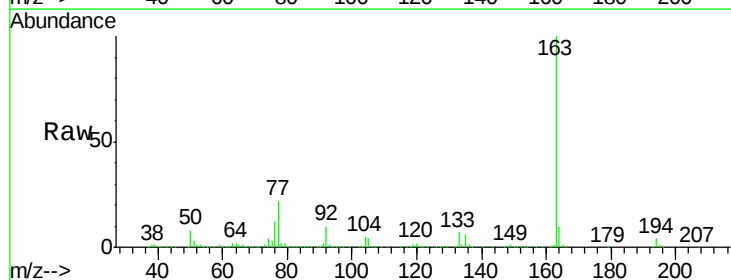
Instrument :
BNA_M
ClientSampleId :
BD395

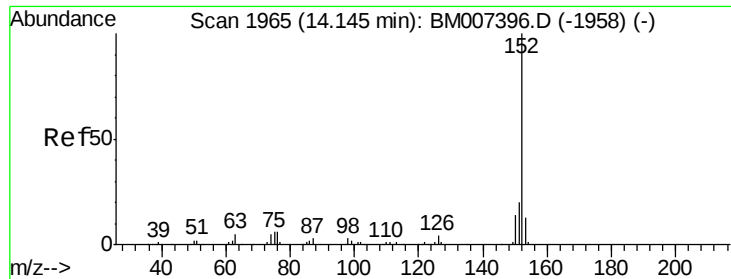
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.9	31.3	46.9
76	11.9	10.0	15.0



#44
Dimethylphthalate
Concen: 21.63 ng/ul
RT: 13.88 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM007399.D
Acq: 03 Sep 2016 10:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.1	7.8	11.8





#47

Acenaphthylene

Concen: 1.25 ng/ul

RT: 14.14 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

Instrument :

BNA_M

ClientSampleId :

BD395

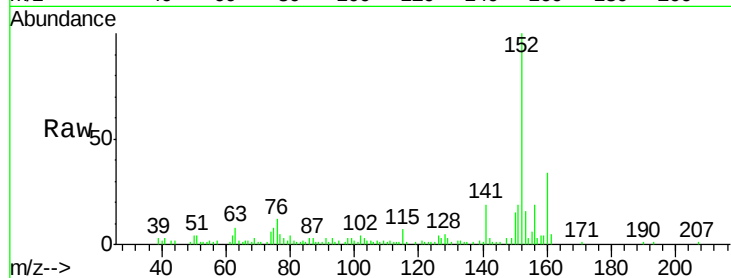
Tgt Ion:152 Resp: 69024

Ion Ratio Lower Upper

152 100

151 19.2 16.0 24.0

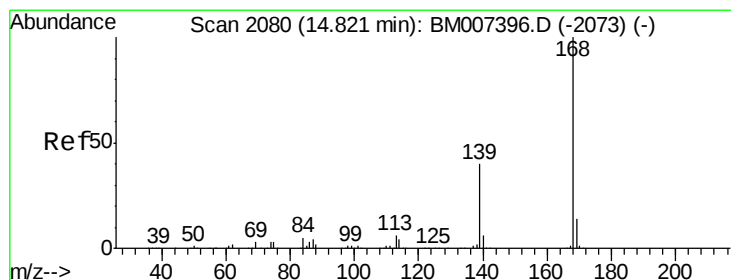
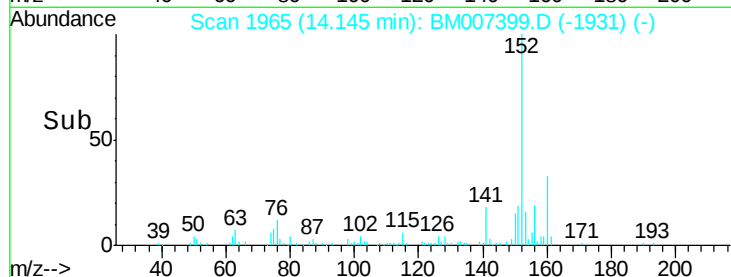
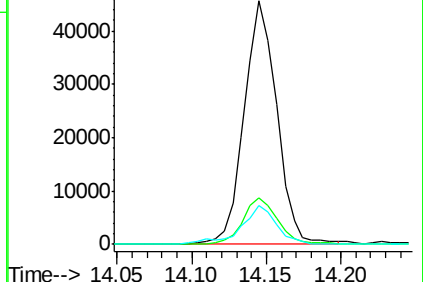
153 15.9 11.0 16.6



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



#53

Dibenzofuran

Concen: 4.61 ng/ul

RT: 14.82 min Scan# 2080

Delta R.T. 0.00 min

Lab File: BM007399.D

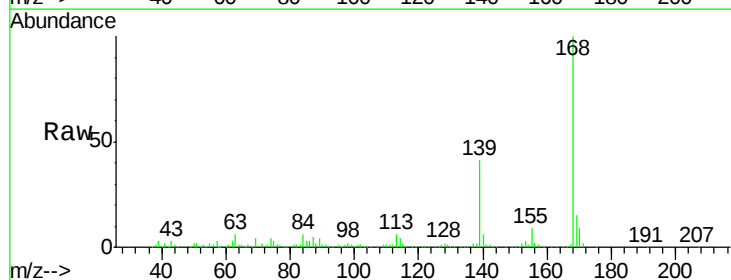
Acq: 03 Sep 2016 10:10

Tgt Ion:168 Resp: 247411

Ion Ratio Lower Upper

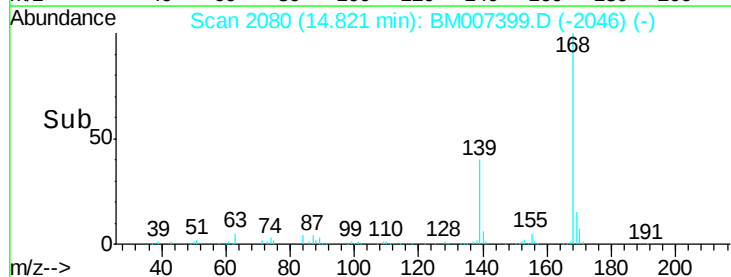
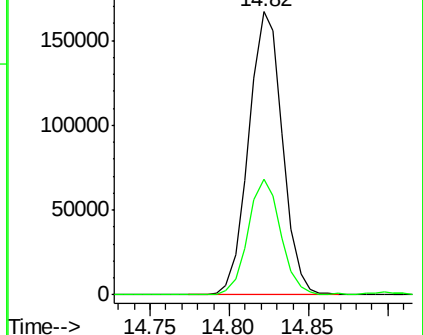
168 100

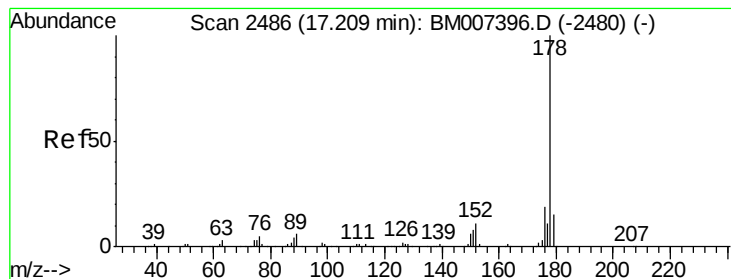
139 40.8 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#69

Phenanthrene

Concen: 11.85 ng/ul

RT: 17.21 min Scan# 2486

Delta R.T. 0.00 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

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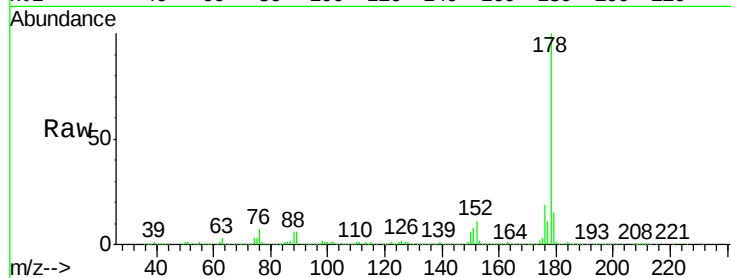
Tgt Ion:178 Resp: 897557

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

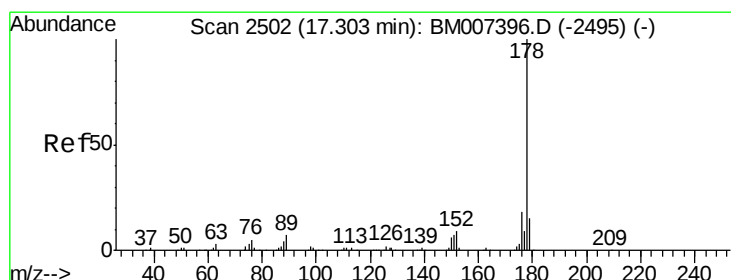
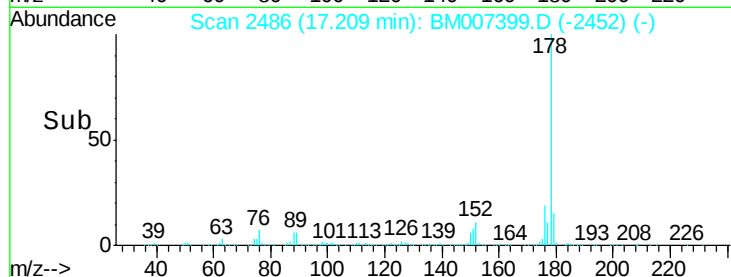
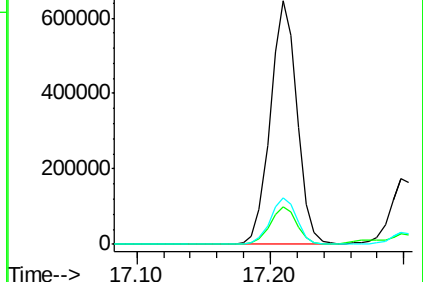
176 18.9 15.1 22.7



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: 3.18 ng/ul

RT: 17.30 min Scan# 2501

Delta R.T. -0.01 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

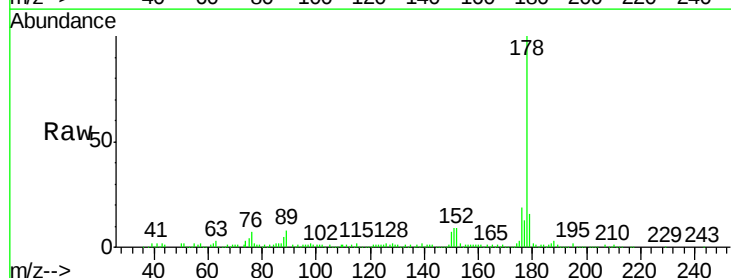
Tgt Ion:178 Resp: 248237

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

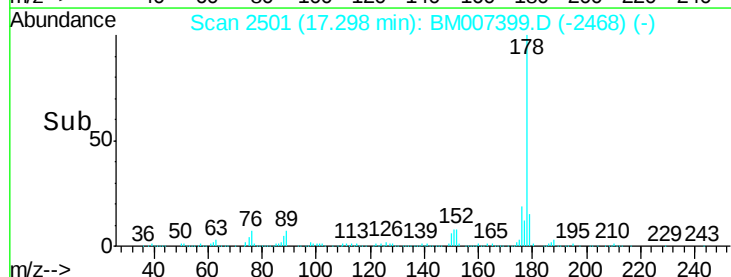
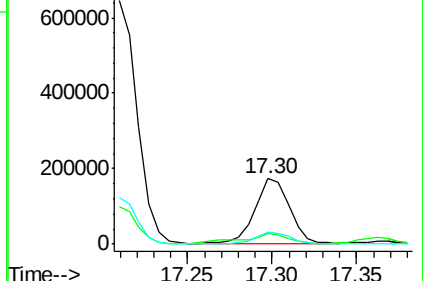
176 18.7 14.5 21.7

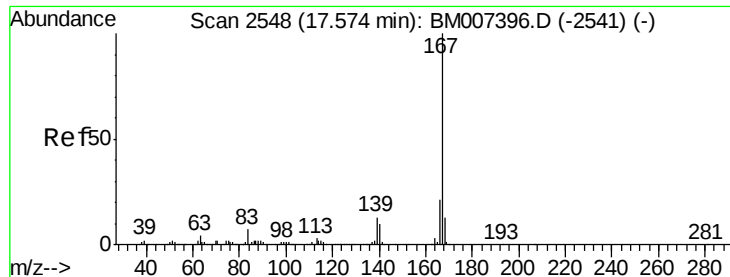


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.03 ng/ul

RT: 17.57 min Scan# 2547

Delta R.T. -0.01 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

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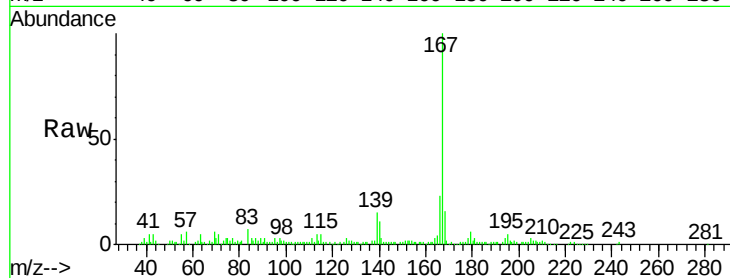
Tgt Ion:167 Resp: 137958

Ion Ratio Lower Upper

167 100

166 22.9 16.6 25.0

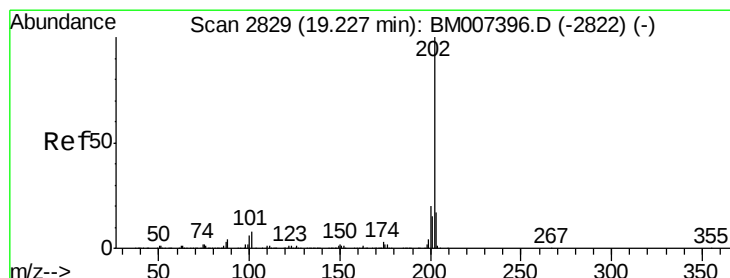
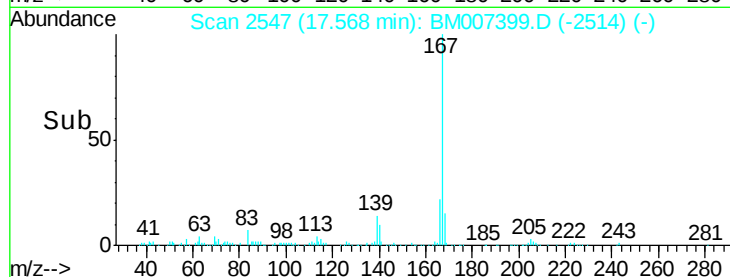
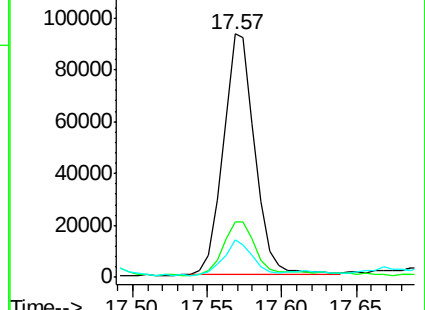
139 15.5 10.2 15.4#



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: 15.73 ng/ul

RT: 19.23 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

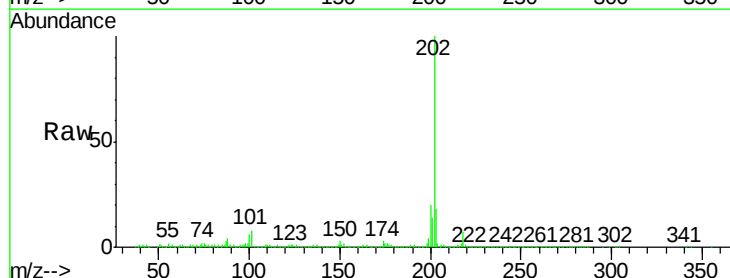
Tgt Ion:202 Resp: 1494230

Ion Ratio Lower Upper

202 100

101 7.8 6.9 10.3

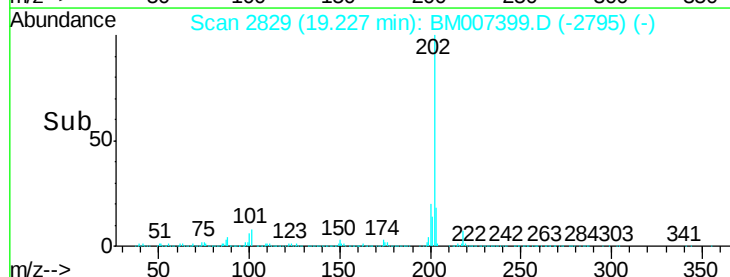
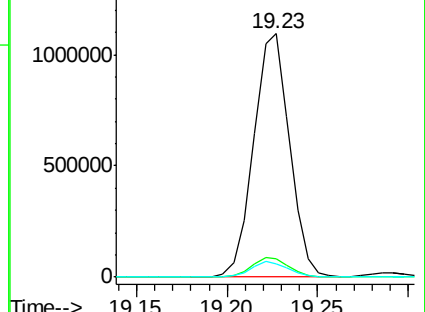
100 5.7 5.4 8.0

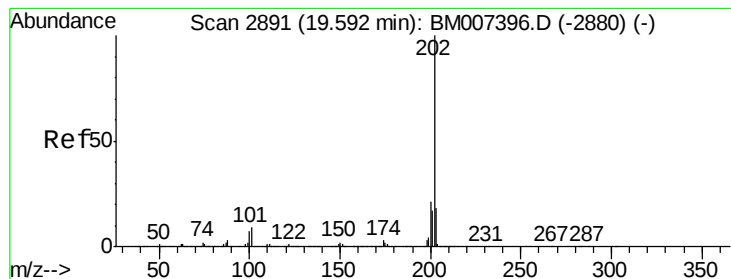


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 9.53 ng/ul

RT: 19.59 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

Instrument :

BNA_M

ClientSampleId :

BD395

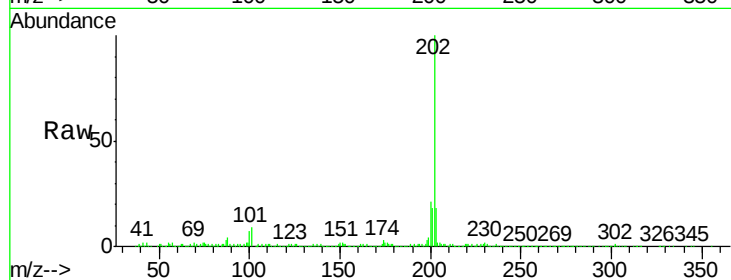
Tgt Ion:202 Resp: 964897

Ion Ratio Lower Upper

202 100

101 9.2 8.4 12.6

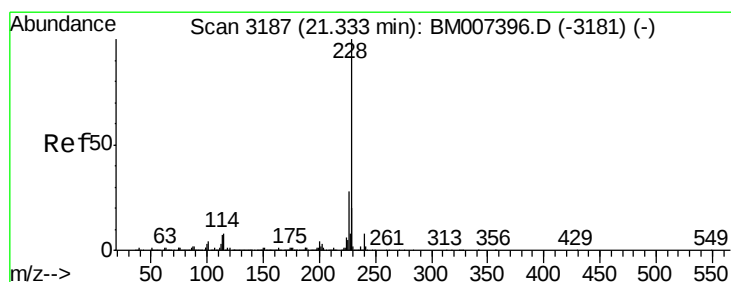
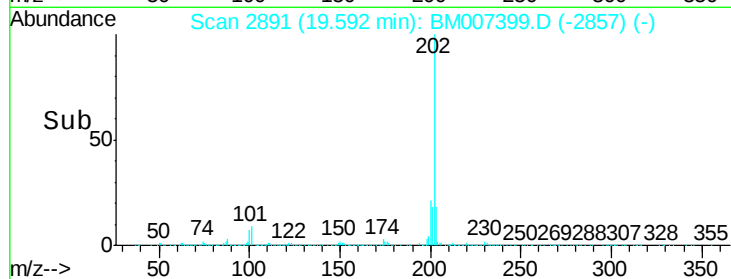
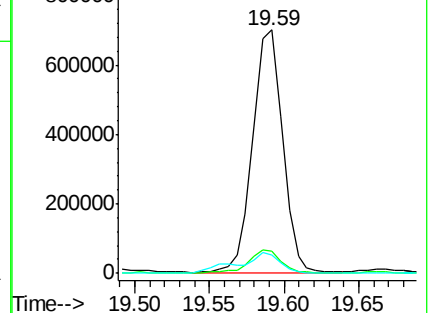
100 7.3 6.9 10.3



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: 5.40 ng/ul

RT: 21.37 min Scan# 3193

Delta R.T. 0.04 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

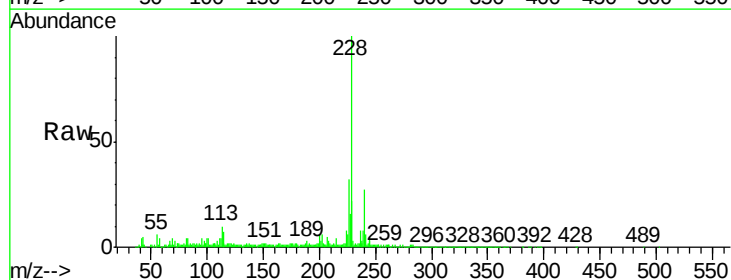
Tgt Ion:228 Resp: 600521

Ion Ratio Lower Upper

228 100

229 21.9 15.6 23.4

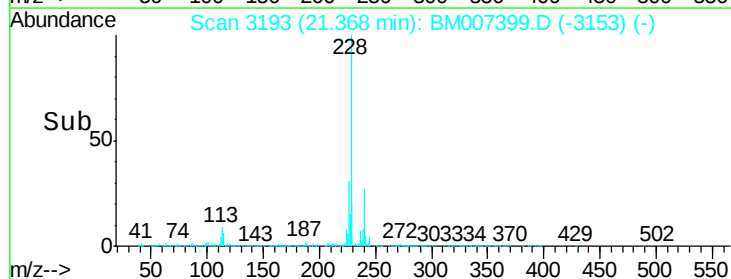
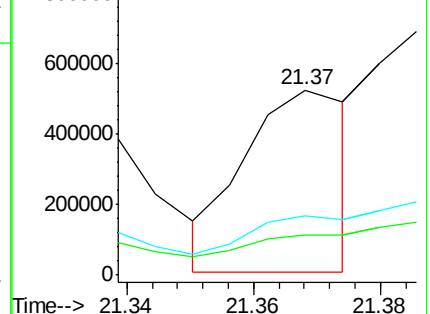
226 32.4 21.8 32.8

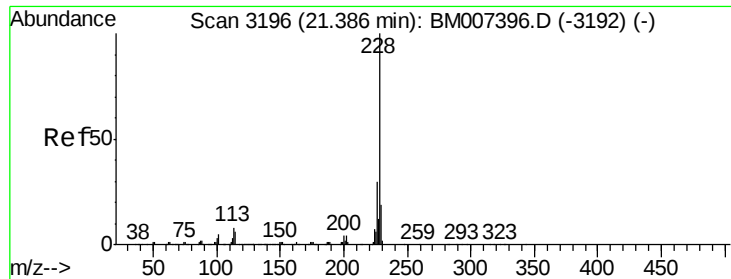


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 7.45 ng/ul

RT: 21.39 min Scan# 3196

Delta R.T. 0.00 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

Instrument :

BNA_M

ClientSampleId :

BD395

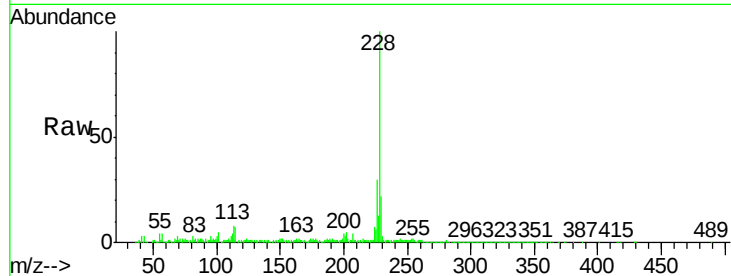
Tgt Ion:228 Resp: 751029

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

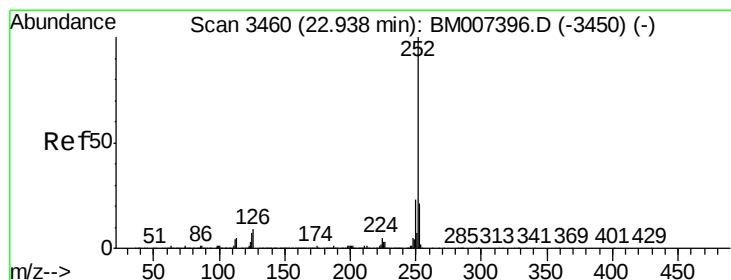
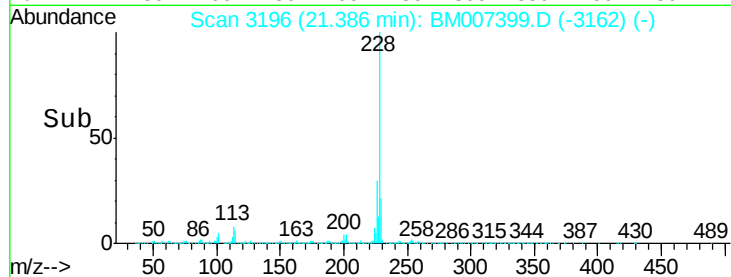
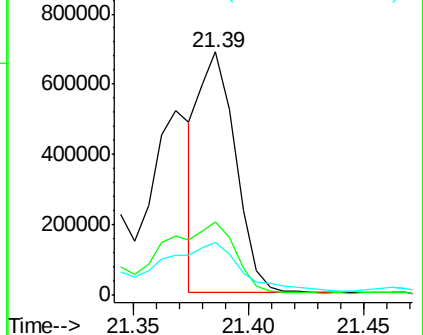
229 21.7 15.5 23.3



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: 16.76 ng/ul

RT: 22.94 min Scan# 3460

Delta R.T. 0.00 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

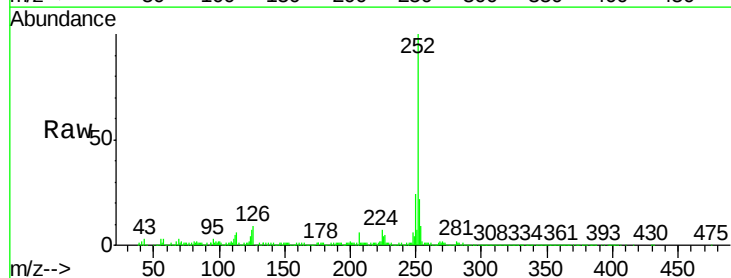
Tgt Ion:252 Resp: 1850217

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

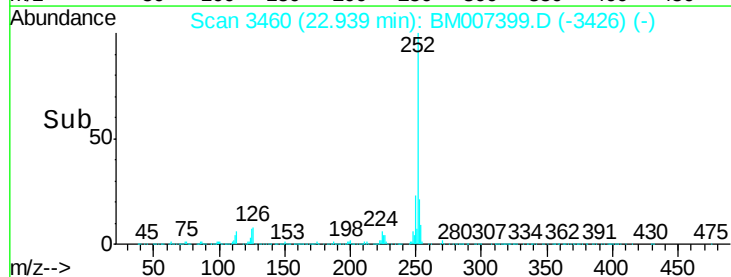
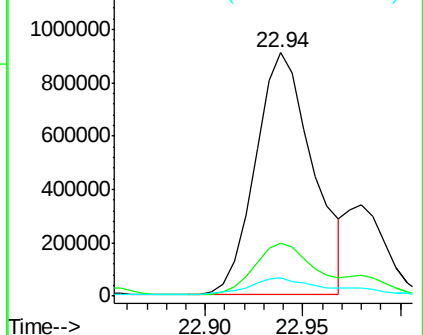
125 7.4 5.8 8.8

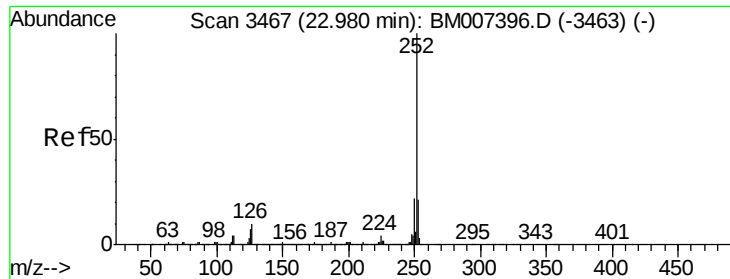


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 18.13 ng/ul

RT: 22.94 min Scan# 3460

Delta R.T. -0.04 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

Instrument :

BNA_M

ClientSampleId :

BD395

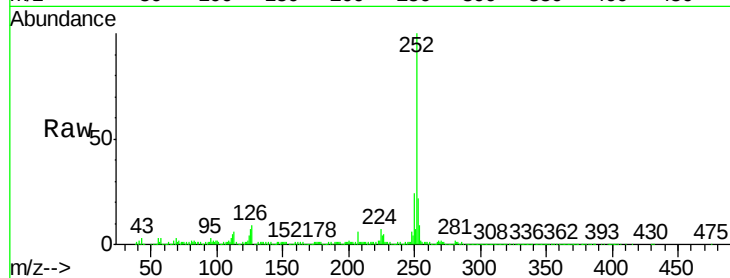
Tgt Ion:252 Resp: 1850217

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

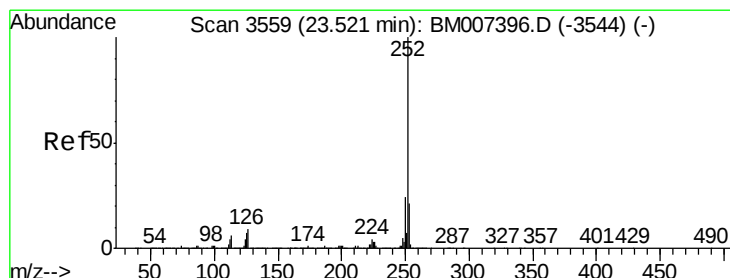
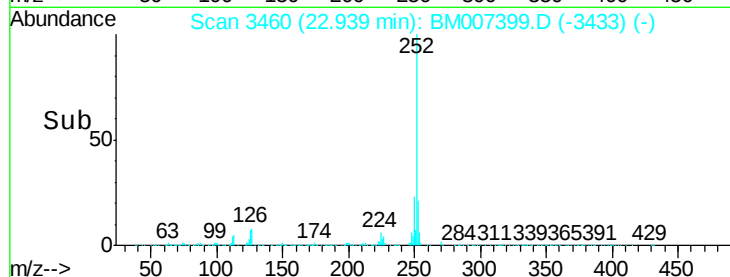
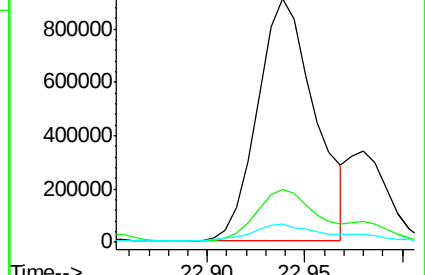
125 7.4 5.7 8.5



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: 2.61 ng/ul

RT: 23.52 min Scan# 3559

Delta R.T. 0.00 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

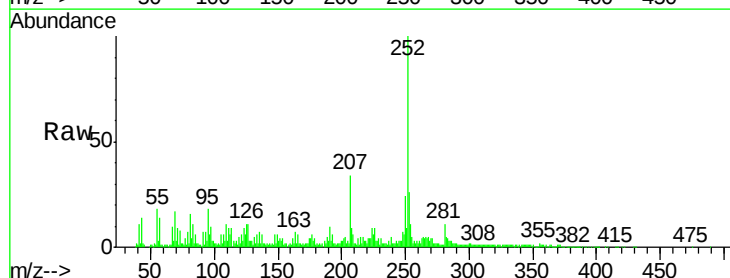
Tgt Ion:252 Resp: 275667

Ion Ratio Lower Upper

252 100

253 25.8 17.7 26.5

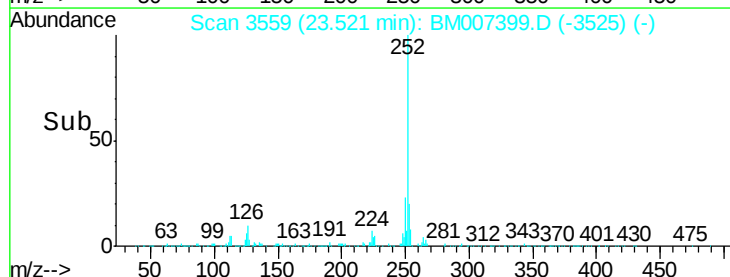
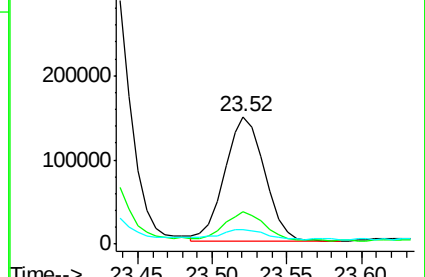
125 11.0 6.6 9.8#

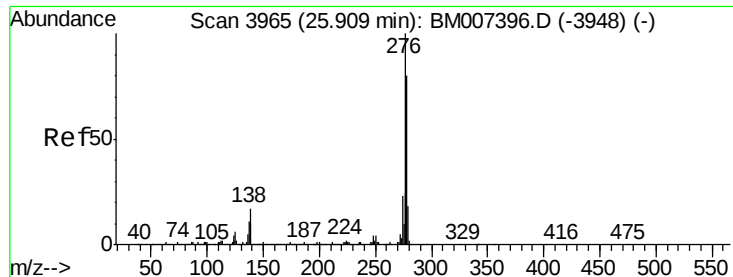


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.60 ng/ul

RT: 25.90 min Scan# 3964

Delta R.T. -0.01 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

Instrument :

BNA_M

ClientSampleId :

BD395

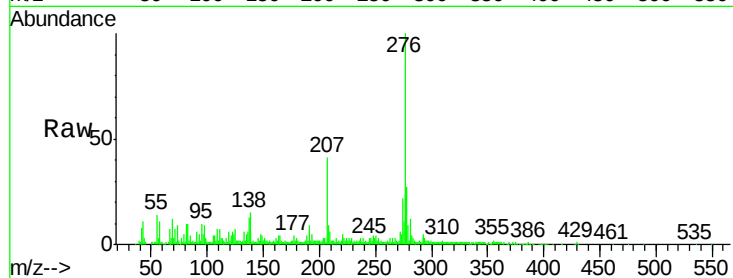
Tgt Ion:276 Resp: 336407

Ion Ratio Lower Upper

276 100

138 14.9 13.9 20.9

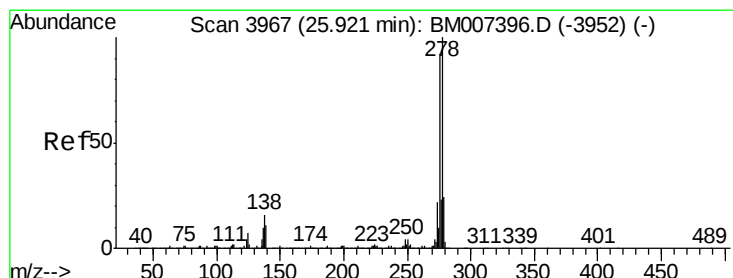
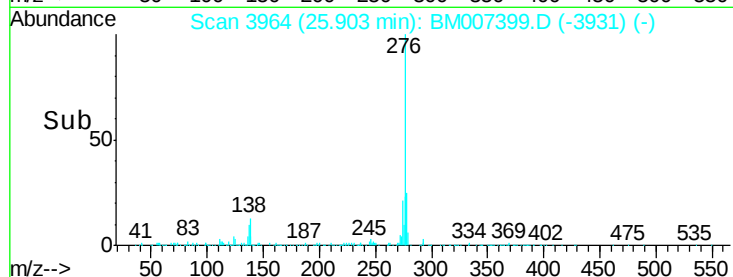
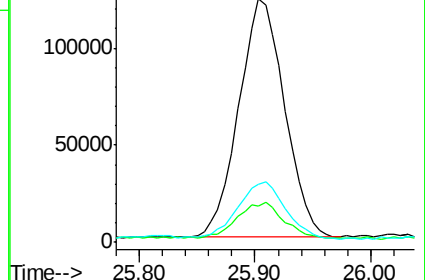
277 23.8 20.1 30.1



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



#90

Dibenzo(a,h)anthracene

Concen: 1.08 ng/ul

RT: 25.91 min Scan# 3965

Delta R.T. -0.01 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

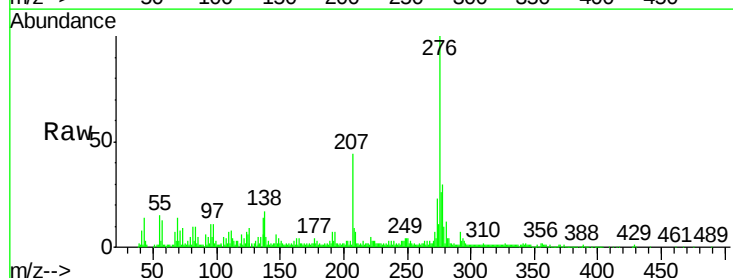
Tgt Ion:278 Resp: 116508

Ion Ratio Lower Upper

278 100

139 18.0 9.5 14.3#

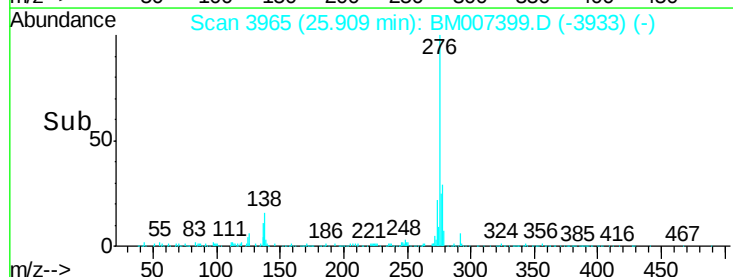
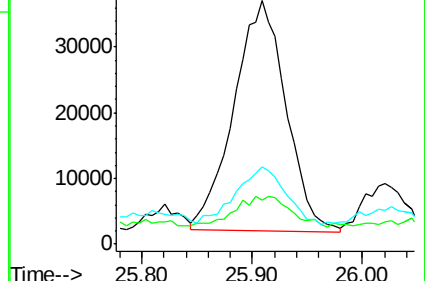
279 31.6 19.1 28.7#

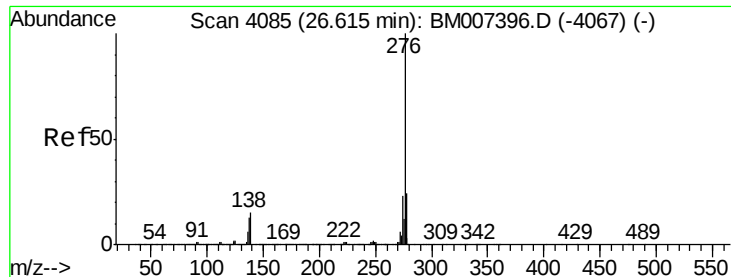


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.01 ng/ul

RT: 26.61 min Scan# 4084

Delta R.T. -0.01 min

Lab File: BM007399.D

Acq: 03 Sep 2016 10:10

Instrument :

BNA_M

ClientSampleId :

BD395

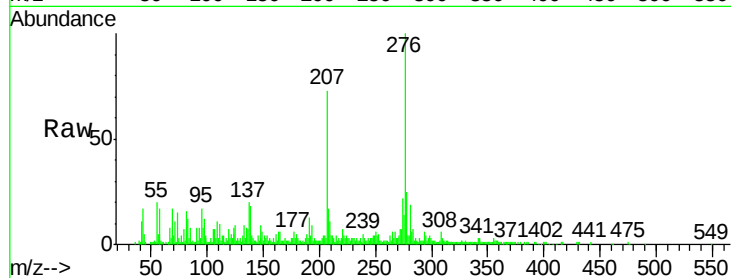
Tgt Ion: 276 Resp: 220832

Ion Ratio Lower Upper

276 100

138 18.4 13.5 20.3

277 24.7 19.3 28.9



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

