

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031418\
 Data File : BE095766.D
 Acq On : 14 Mar 2018 16:22
 Operator : SJ/JU
 Sample : J1813-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 15 01:37:41 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 01:35:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1888	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	5460	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	3381	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.81	188	279728	0.40	ng/ul	0.10
16) Chrysene-d12	0.00	240	0	0.00	ng/ul	-21.79
20) Perylene-d12	24.42	264	8126	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.80	152	1748	0.19	ng/ul	0.00
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

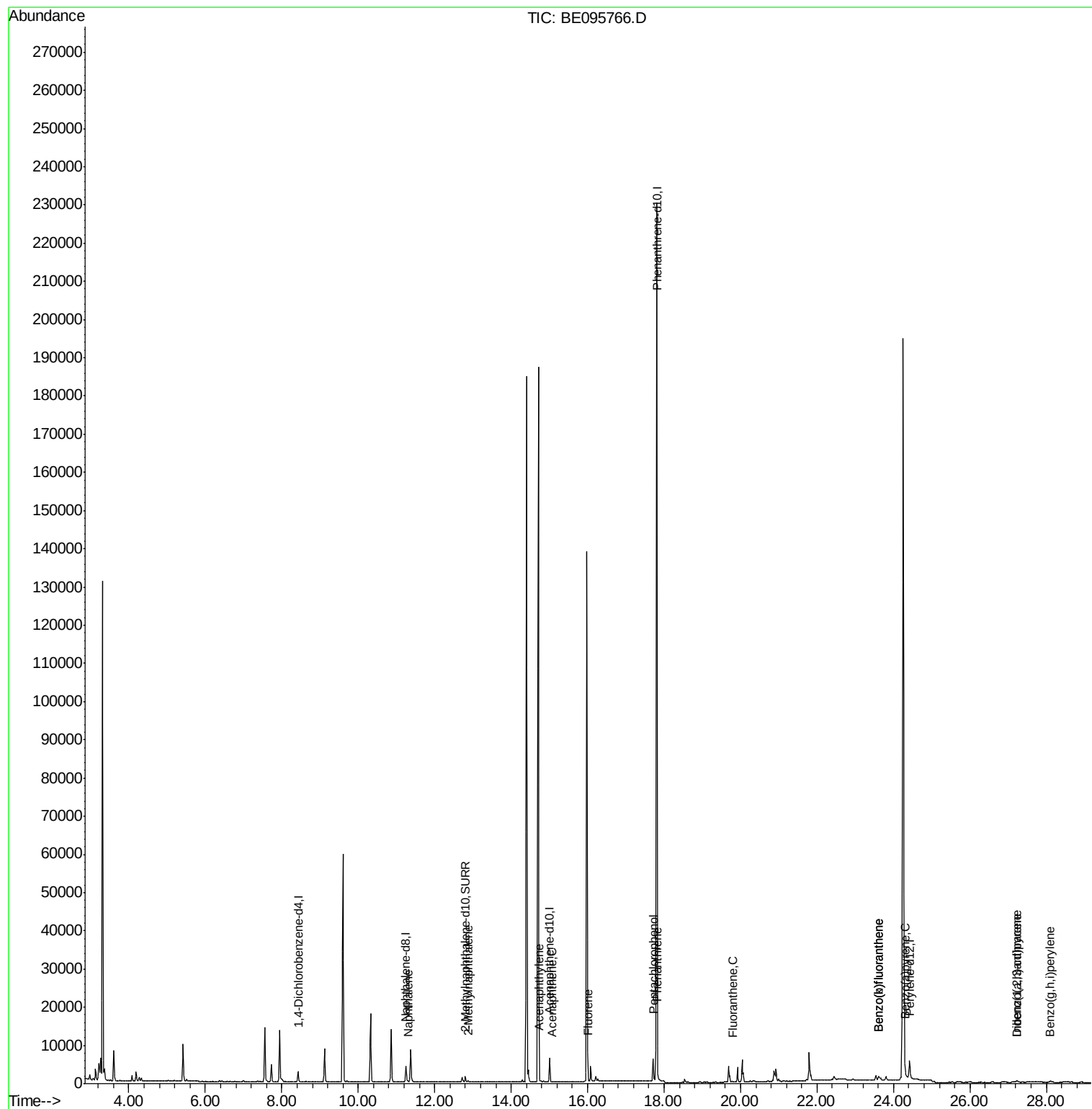
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.30	128	221	0.014	ng/ul#	34
5) 2-Methylnaphthalene	12.87	142	223	0.021	ng/ul	94
7) Acenaphthylene	14.74	152	78	0.005	ng/ul#	1
8) Acenaphthene	15.07	153	38	0.003	ng/ul#	76
9) Fluorene	16.03	166	32	0.002	ng/ul#	59
11) Pentachlorophenol	17.72	266	3	0.000	ng/ul	93
12) Phenanthrene	17.84	178	848	0.001	ng/ul#	39
15) Fluoranthene	19.81	202	25	0.000	ng/ul#	1
21) Benzo(b)fluoranthene	23.61	252	2131	0.076	ng/ul	85
22) Benzo(k)fluoranthene	23.61	252	2113	0.079	ng/ul#	82
23) Benzo(a)pyrene	24.31	252	985	0.038	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	27.23	276	789	0.028	ng/ul#	76
25) Dibenzo(a,h)anthracene	27.24	278	240	0.011	ng/ul#	18
26) Benzo(g,h,i)perylene	28.09	276	809	0.033	ng/ul#	73

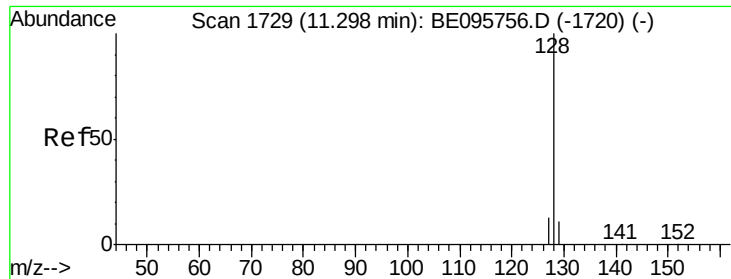
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.014 ng/ul

RT: 11.30 min Scan# 1728

Delta R.T. -0.00 min

Lab File: BE095766.D

Acq: 14 Mar 2018 16:22

Instrument :

BNA_E

ClientSampleId :

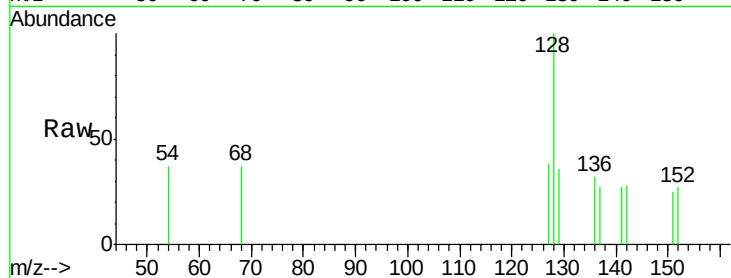
Tot Ion:128 Resp: 221

Ion Ratio Lower Upper

128 100

129 36.4 11.3 16.9#

127 38.1 4.0 6.0#



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

11.30

200

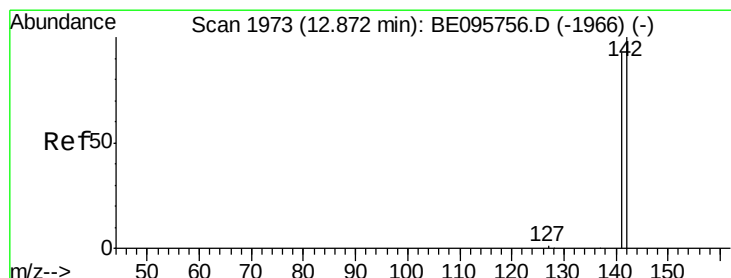
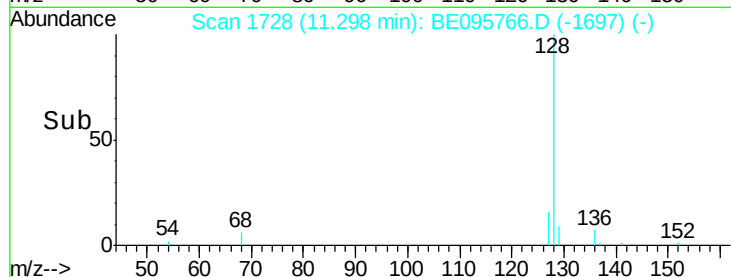
150

100

50

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.021 ng/ul

RT: 12.87 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BE095766.D

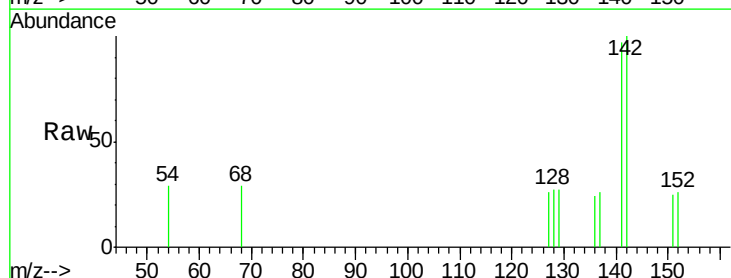
Acq: 14 Mar 2018 16:22

Tgt Ion:142 Resp: 223

Ion Ratio Lower Upper

142 100

141 96.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.87

200

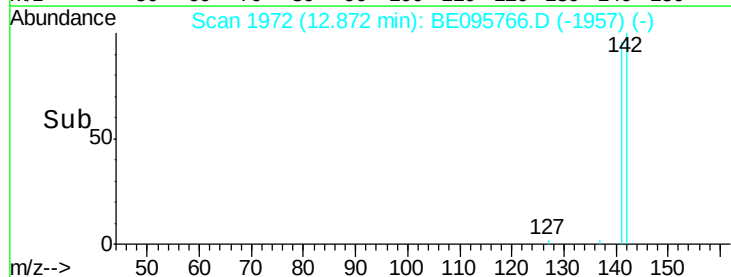
150

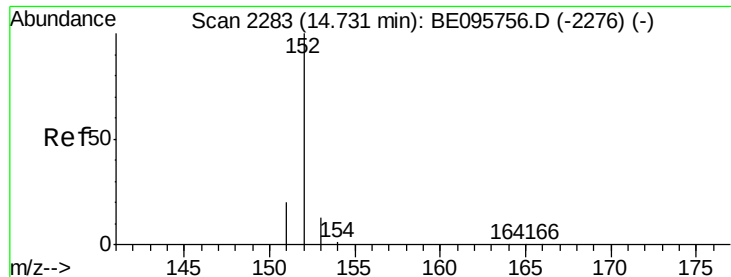
100

50

0

Time-->





#7

Acenaphthylene

Concen: 0.005 ng/ul

RT: 14.74 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BE095766.D

Acq: 14 Mar 2018 16:22

Instrument :

BNA_E

ClientSampleId :

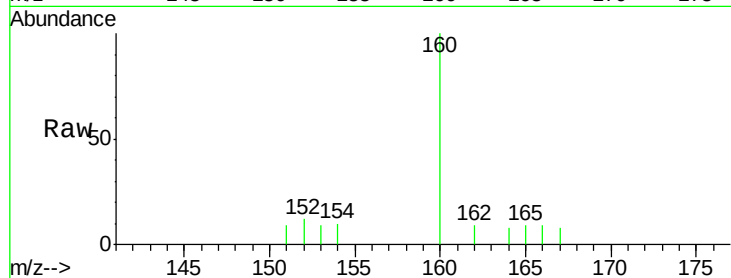
Tot Ion:152 Resp: 78

Ion Ratio Lower Upper

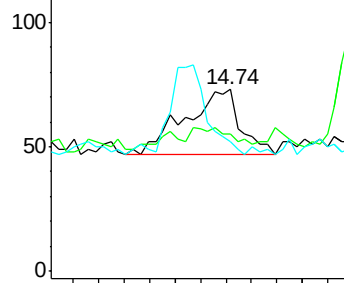
152 100

151 75.3 17.1 25.7#

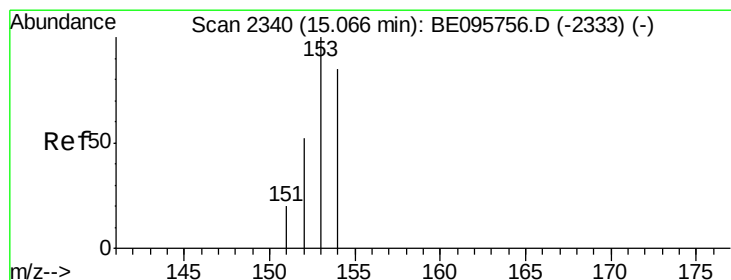
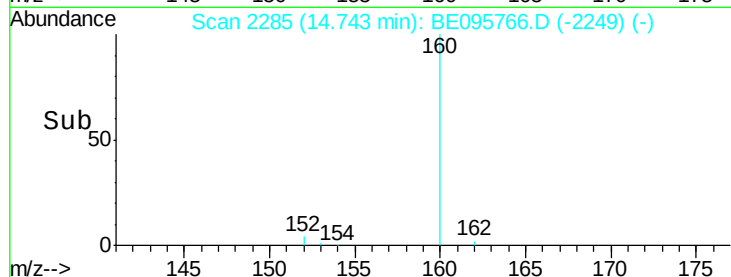
153 71.2 12.8 19.2#



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



Time-->



#8

Acenaphthene

Concen: 0.003 ng/ul

RT: 15.07 min Scan# 2340

Delta R.T. 0.00 min

Lab File: BE095766.D

Acq: 14 Mar 2018 16:22

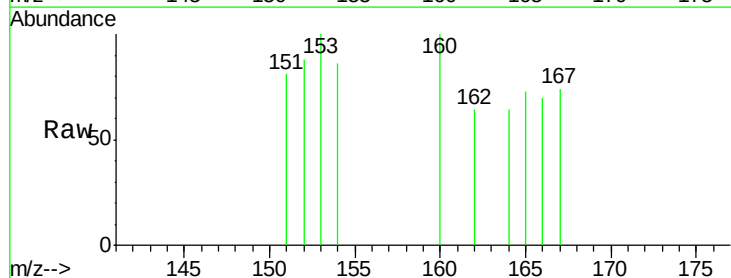
Tgt Ion:153 Resp: 38

Ion Ratio Lower Upper

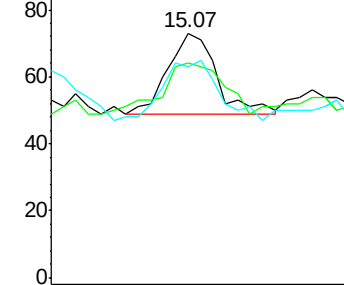
153 100

152 87.7 36.0 54.0#

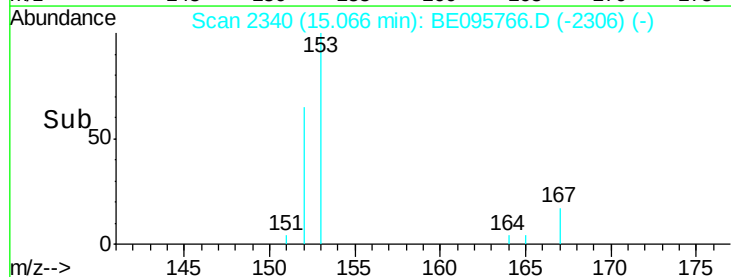
154 86.3 72.0 108.0

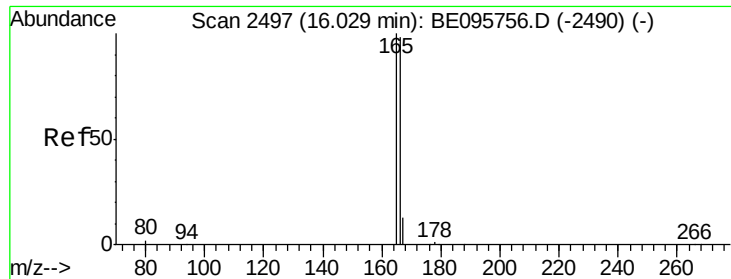


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.002 ng/ul

RT: 16.03 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BE095766.D

Acq: 14 Mar 2018 16:22

Instrument :

BNA_E

ClientSampleId :

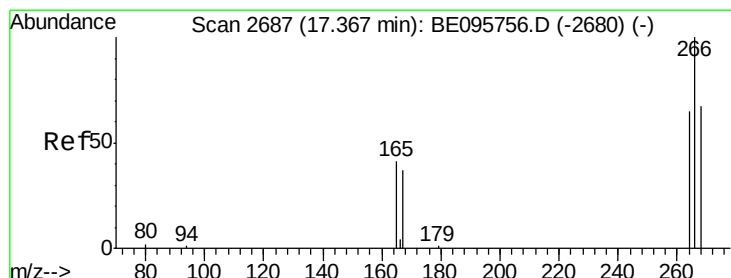
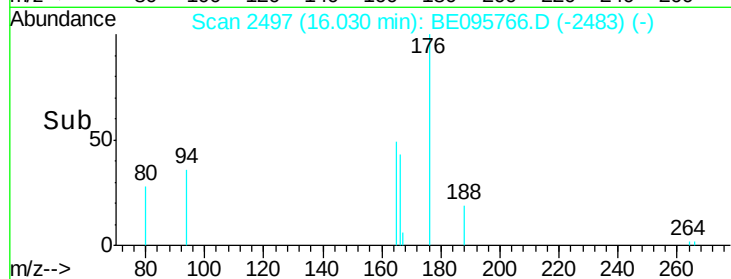
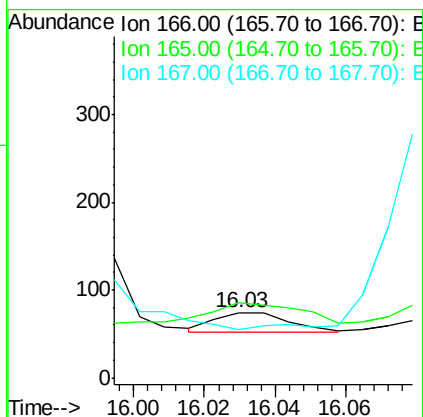
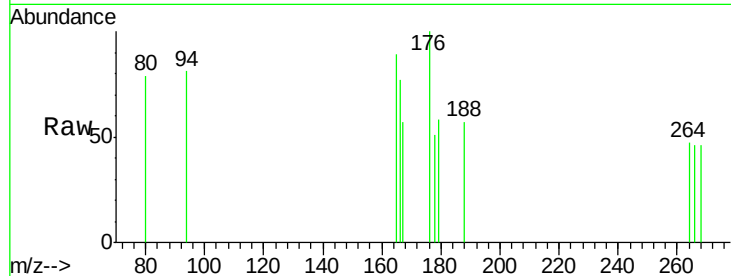
Tot Ion:166 Resp: 32

Ion Ratio Lower Upper

166 100

165 114.9 73.4 110.2#

167 74.3 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.000 ng/ul

RT: 17.72 min Scan# 2737

Delta R.T. 0.35 min

Lab File: BE095766.D

Acq: 14 Mar 2018 16:22

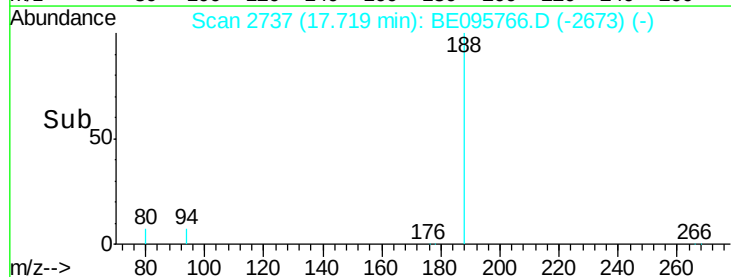
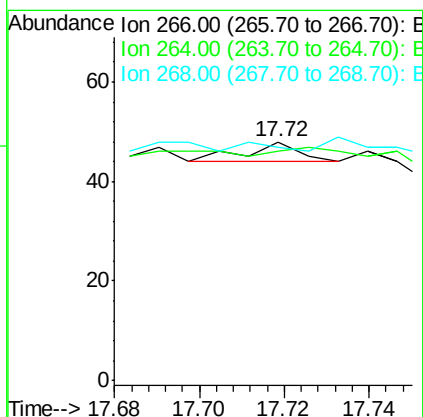
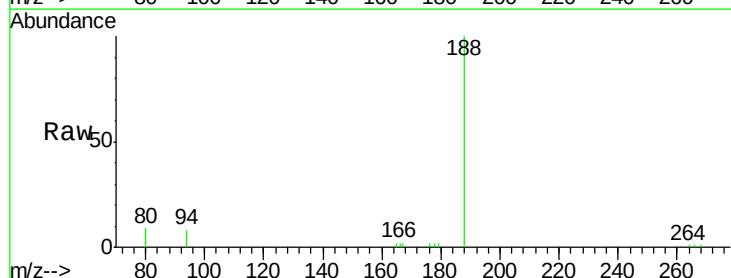
Tgt Ion:266 Resp: 3

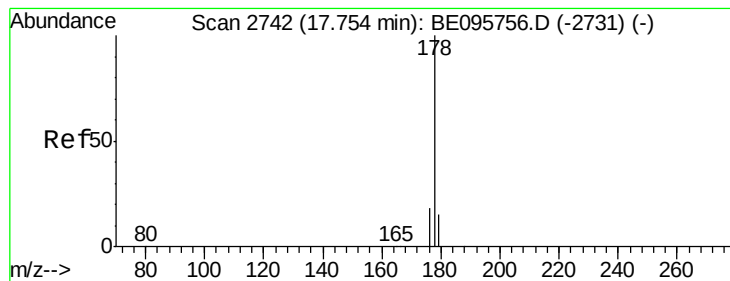
Ion Ratio Lower Upper

266 100

264 66.7 47.9 71.9

268 66.7 49.8 74.8





#12

Phenanthrene

Concen: 0.001 ng/ul

RT: 17.84 min Scan# 2754

Delta R.T. 0.08 min

Lab File: BE095766.D

Acq: 14 Mar 2018 16:22

Instrument :

BNA_E

ClientSampleId :

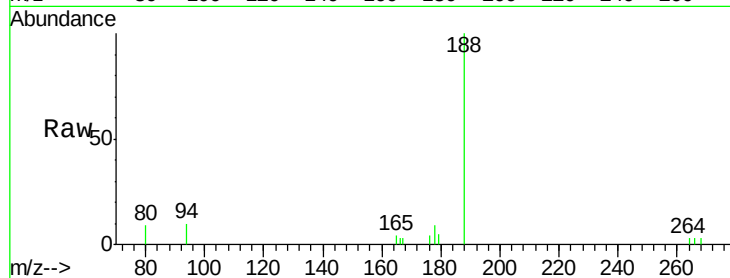
Tot Ion:178 Resp: 848

Ion Ratio Lower Upper

178 100

179 51.2 18.4 27.6#

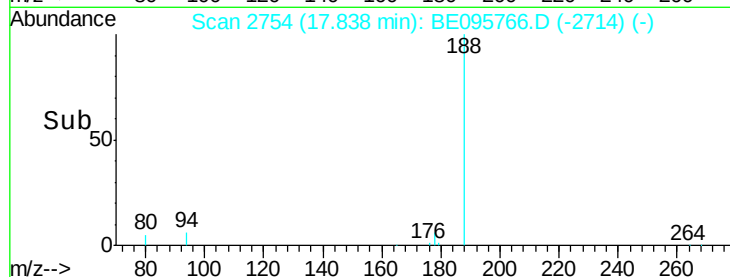
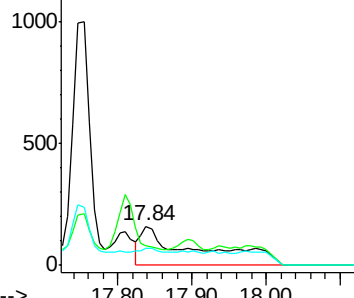
176 45.0 13.6 20.4#



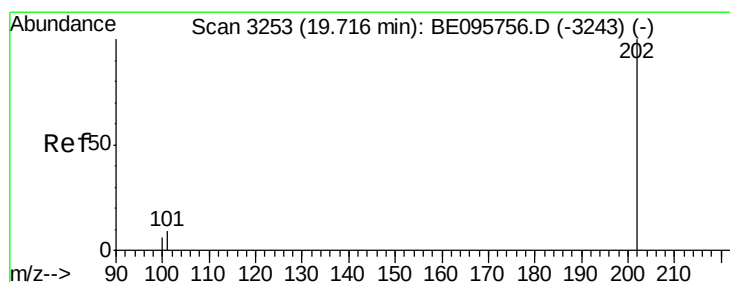
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#15

Fluoranthene

Concen: 0.000 ng/ul

RT: 19.81 min Scan# 3278

Delta R.T. 0.09 min

Lab File: BE095766.D

Acq: 14 Mar 2018 16:22

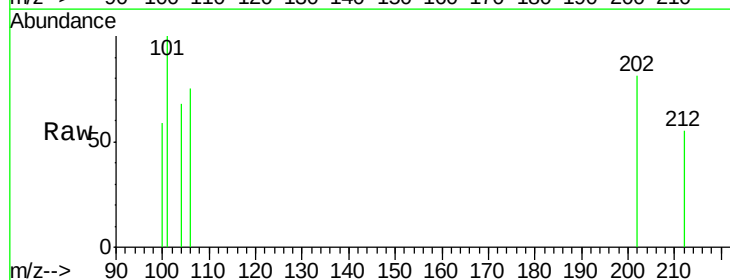
Tgt Ion:202 Resp: 25

Ion Ratio Lower Upper

202 100

101 123.9 0.0 30.3#

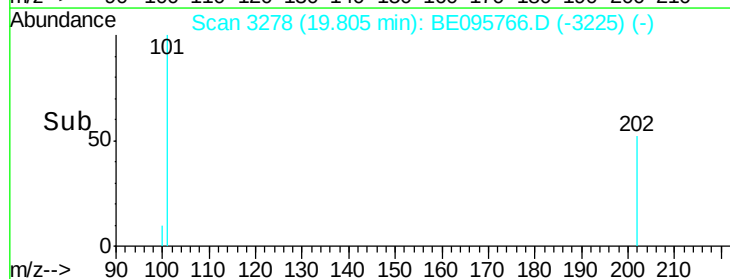
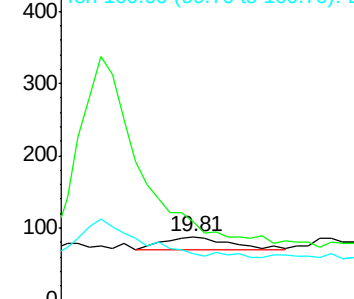
100 72.7 0.0 39.5#



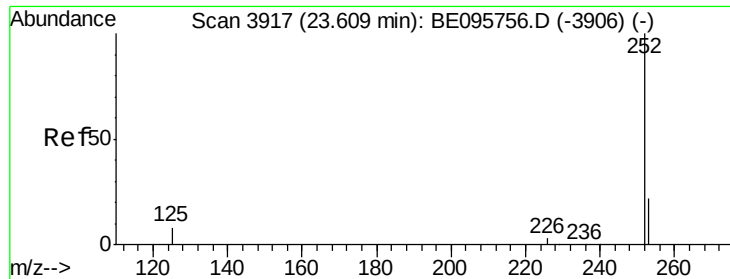
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



Time-->



#21

Benzo(b)fluoranthene

Concen: 0.076 ng/ul

RT: 23.61 min Scan# 3917

Delta R.T. -0.00 min

Lab File: BE095766.D

Acq: 14 Mar 2018 16:22

Instrument :

BNA_E

ClientSampleId :

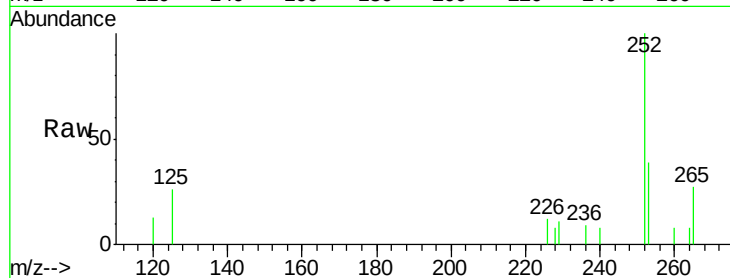
Tot Ion:252 Resp: 2131

Ion Ratio Lower Upper

252 100

253 39.5 0.0 64.2

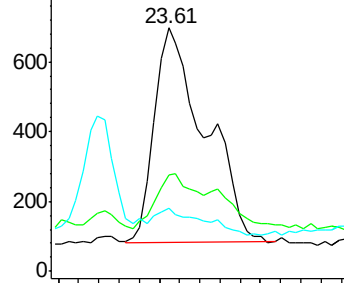
125 25.8 0.0 35.0



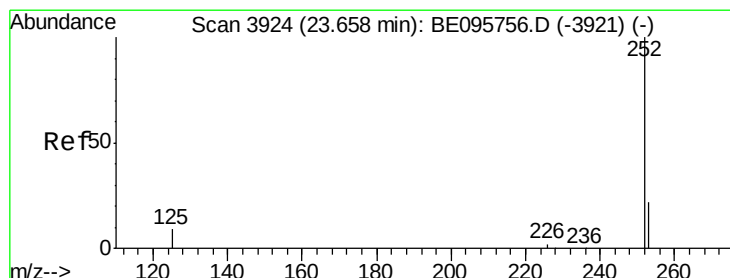
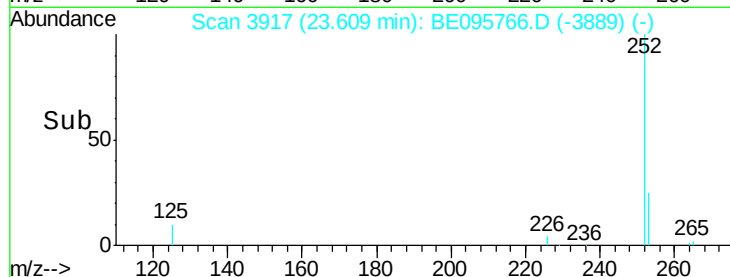
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.50 23.60 23.70



#22

Benzo(k)fluoranthene

Concen: 0.079 ng/ul

RT: 23.61 min Scan# 3917

Delta R.T. -0.05 min

Lab File: BE095766.D

Acq: 14 Mar 2018 16:22

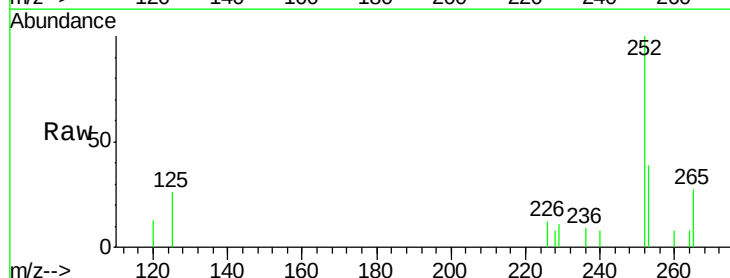
Tgt Ion:252 Resp: 2113

Ion Ratio Lower Upper

252 100

253 39.5 24.5 36.7#

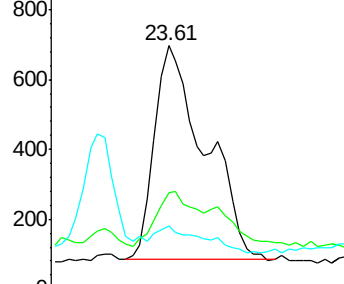
125 25.8 13.7 20.5#



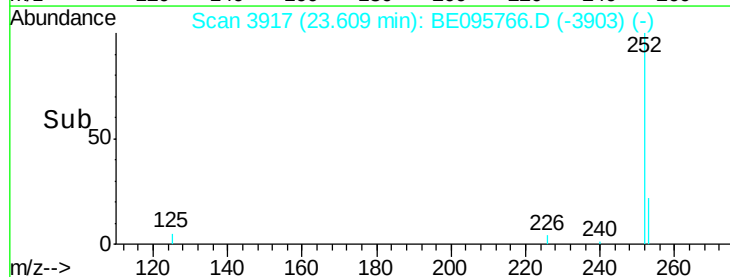
Abundance Ion 252.00 (251.70 to 252.70): E

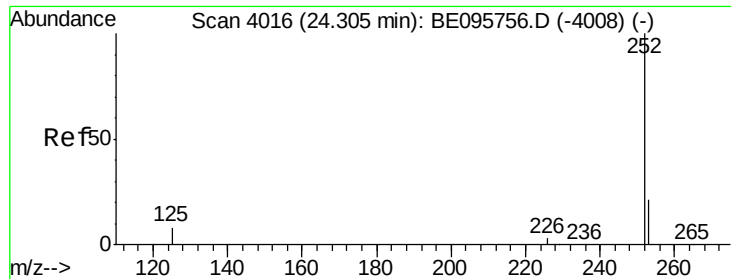
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.50 23.60 23.70





#23

Benzo(a)pyrene

Concen: 0.038 ng/ul

RT: 24.31 min Scan# 4016

Delta R.T. -0.00 min

Lab File: BE095766.D

Acq: 14 Mar 2018 16:22

Instrument :

BNA_E

ClientSampleId :

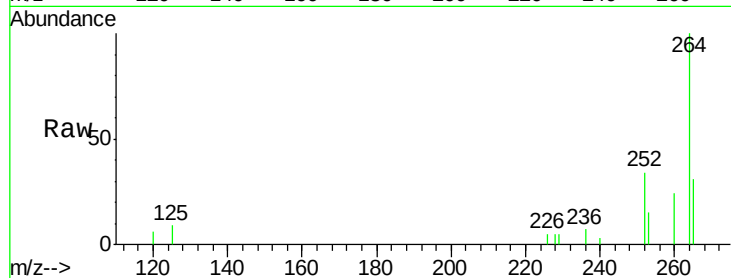
Tot Ion:252 Resp: 985

Ion Ratio Lower Upper

252 100

253 43.9 28.5 42.7#

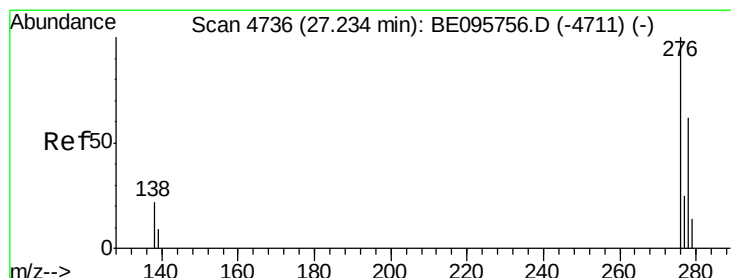
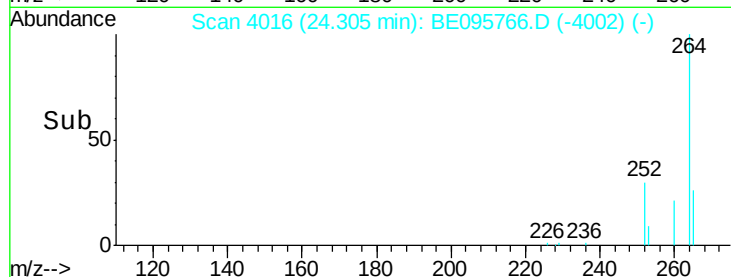
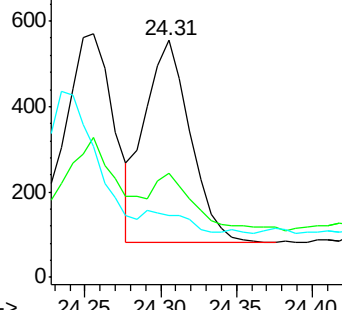
125 26.4 18.1 27.1



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.028 ng/ul

RT: 27.23 min Scan# 4736

Delta R.T. 0.00 min

Lab File: BE095766.D

Acq: 14 Mar 2018 16:22

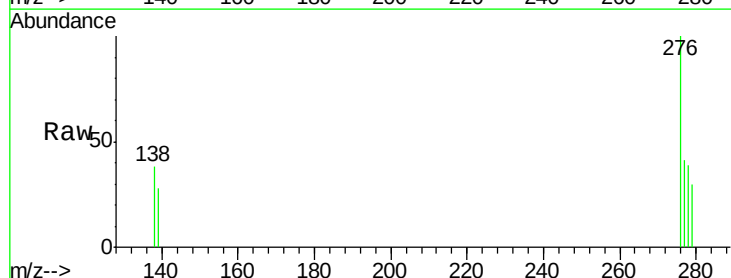
Tgt Ion:276 Resp: 789

Ion Ratio Lower Upper

276 100

138 21.8 28.0 42.0#

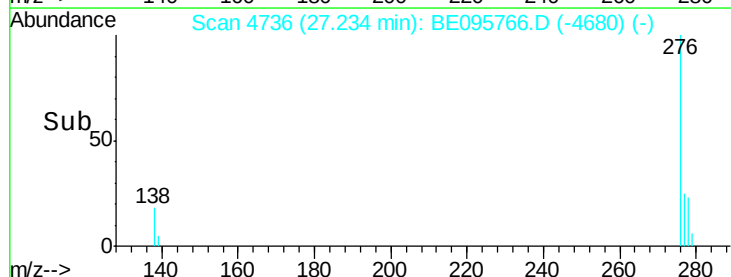
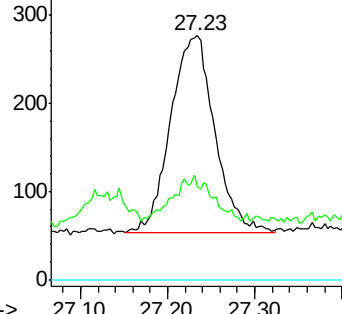
227 0.0 8.0 12.0#

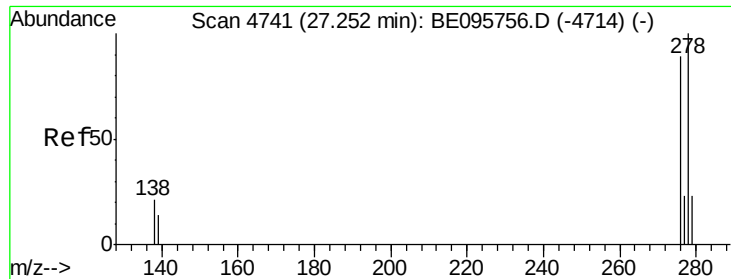


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.011 ng/ul

RT: 27.24 min Scan# 4739

Delta R.T. -0.01 min

Lab File: BE095766.D

Acq: 14 Mar 2018 16:22

Instrument :

BNA_E

ClientSampleId :

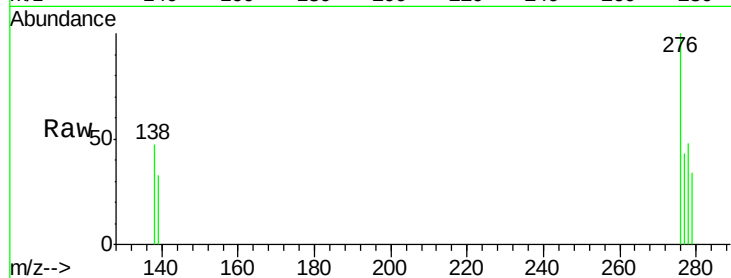
Tot Ion:278 Resp: 240

Ion Ratio Lower Upper

278 100

139 70.0 17.4 26.0#

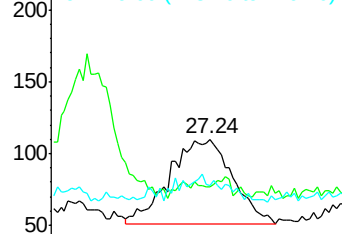
279 70.9 25.9 38.9#



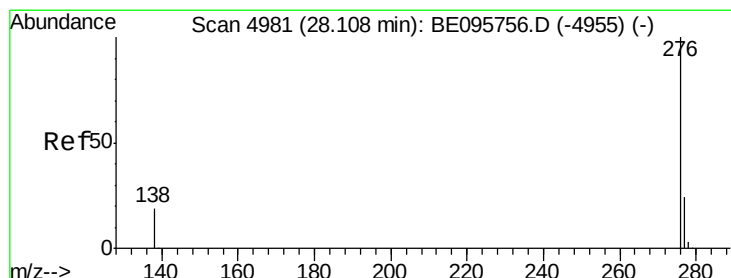
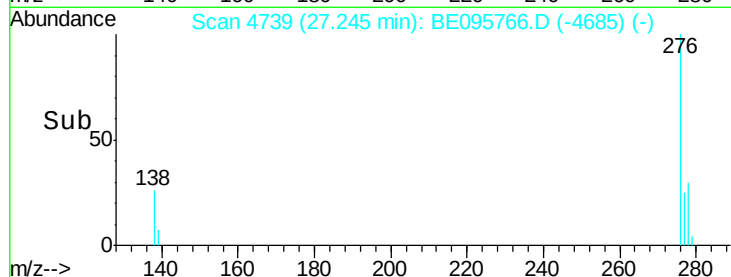
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 27.10 27.20 27.30



#26

Benzo(g,h,i)perylene

Concen: 0.033 ng/ul

RT: 28.09 min Scan# 4977

Delta R.T. -0.01 min

Lab File: BE095766.D

Acq: 14 Mar 2018 16:22

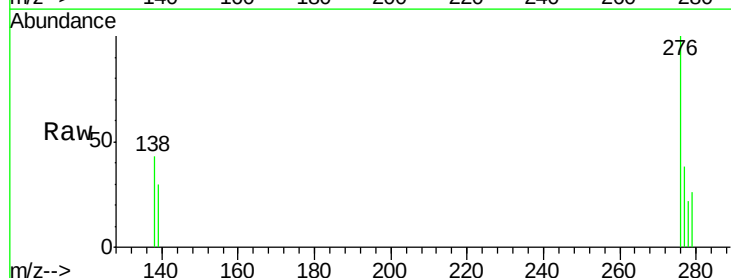
Tgt Ion:276 Resp: 809

Ion Ratio Lower Upper

276 100

138 43.3 21.8 32.8#

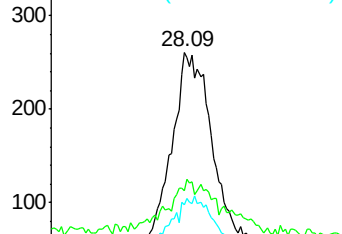
277 37.5 20.5 30.7#



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



Time--> 28.00 28.10 28.20

