

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031418\
 Data File : BE095790.D
 Acq On : 15 Mar 2018 6:43
 Operator : SJ/JU
 Sample : J1835-12
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 15 08:35:17 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 05:35:28 2018
 Response via : Initial Calibration

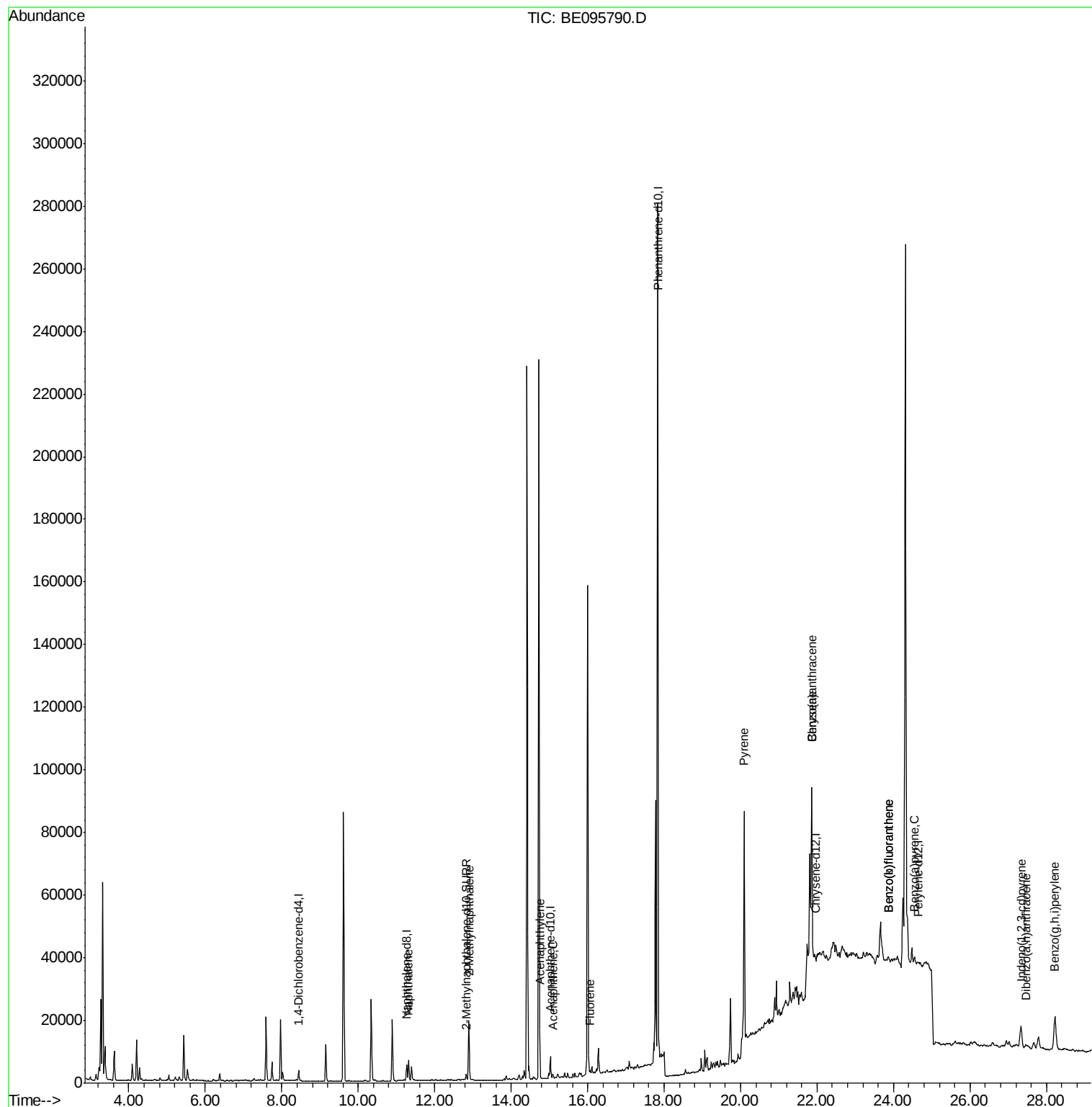
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2300	0.40	ng/ul	0.02
2) Naphthalene-d8	11.27	136	6801	0.40	ng/ul	0.02
6) Acenaphthene-d10	15.03	164	4047	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.83	188	330564	0.40	ng/ul	0.12
16) Chrysene-d12	21.97	240	207	0.40	ng/ul	0.17
20) Perylene-d12	24.65	264	259	0.40	ng/ul	0.22
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.82	152	2432	0.21	ng/ul	0.02
14) Fluoranthene-d10	19.79	212	336	0.00	ng/ul	0.10
Target Compounds					Ovalue	
3) Naphthalene	11.32	128	9117	0.480	ng/ul#	89
5) 2-Methylnaphthalene	12.89	142	14916	1.130	ng/ul	99
7) Acenaphthylene	14.76	152	494	0.024	ng/ul#	6
8) Acenaphthene	15.09	153	690	0.045	ng/ul#	62
9) Fluorene	16.05	166	850	0.051	ng/ul#	45
17) Pyrene	20.09	202	77302	98.348	ng/ul#	76
18) Benzo(a)anthracene	21.86	228	57527	86.131	ng/ul#	82
19) Chrysene	21.86	228	57527	84.592	ng/ul#	83
21) Benzo(b)fluoranthene	23.87	252	1902	2.120	ng/ul#	1
22) Benzo(k)fluoranthene	23.87	252	1902	2.230	ng/ul#	1
23) Benzo(a)pyrene	24.54	252	2181	2.663	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	27.34	276	11225	12.359	ng/ul#	73
25) Dibenzo(a,h)anthracene	27.48	278	2146	2.955	ng/ul#	1
26) Benzo(g,h,i)perylene	28.22	276	28993	37.159	ng/ul#	82

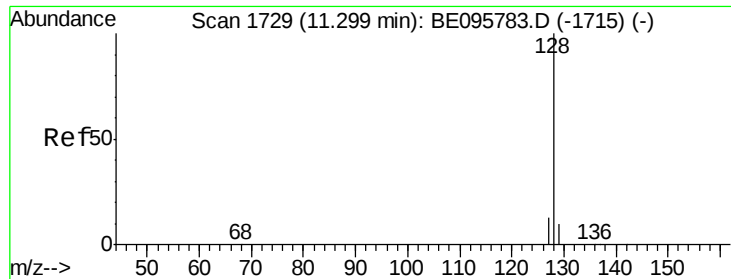
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.480 ng/ul

RT: 11.32 min Scan# 1732

Delta R.T. 0.02 min

Lab File: BE095790.D

Acq: 15 Mar 2018 6:43

Instrument :

BNA_E

ClientSampleId :

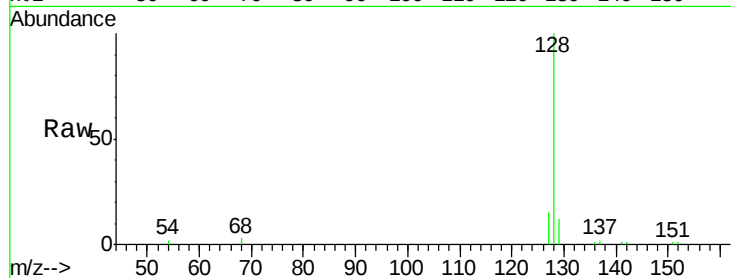
Tot Ion:128 Resp: 9117

Ion Ratio Lower Upper

128 100

129 12.1 11.3 16.9

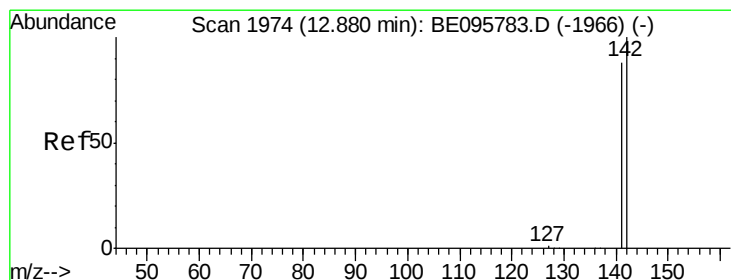
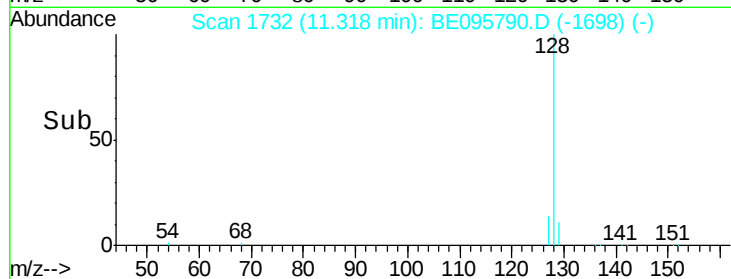
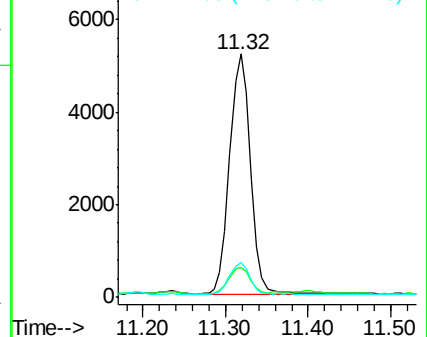
127 14.5 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 1.130 ng/ul

RT: 12.89 min Scan# 1976

Delta R.T. 0.01 min

Lab File: BE095790.D

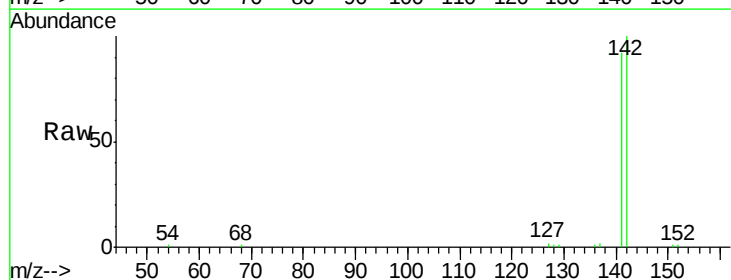
Acq: 15 Mar 2018 6:43

Tgt Ion:142 Resp: 14916

Ion Ratio Lower Upper

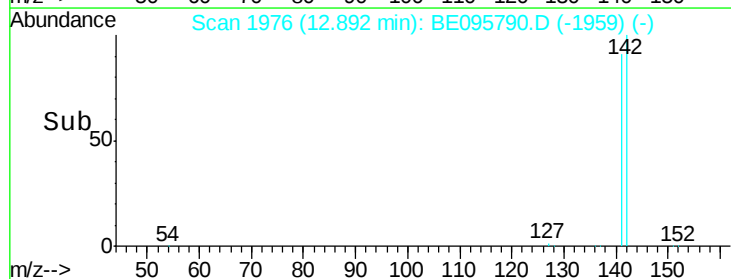
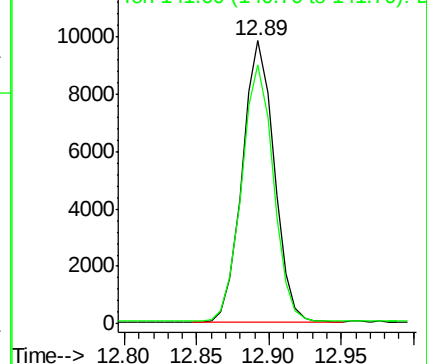
142 100

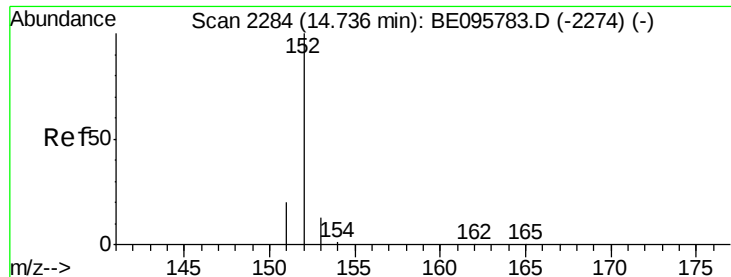
141 91.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.024 ng/ul

RT: 14.76 min Scan# 2287

Delta R.T. 0.02 min

Lab File: BE095790.D

Acq: 15 Mar 2018 6:43

Instrument :

BNA_E

ClientSampled :

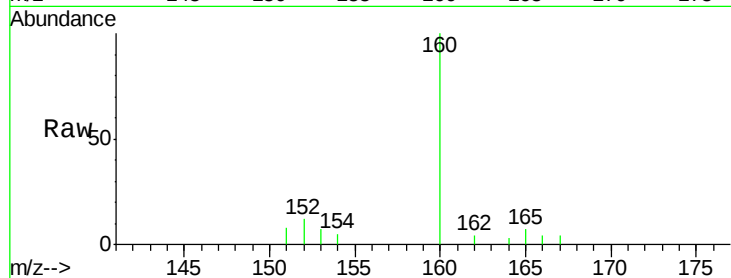
Tot Ion:152 Resp: 494

Ion Ratio Lower Upper

152 100

151 62.6 17.1 25.7#

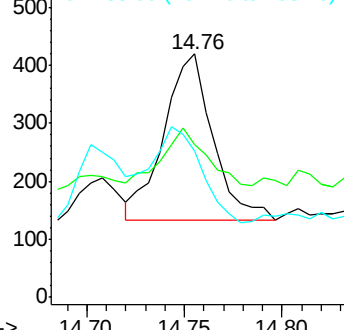
153 60.0 12.8 19.2#



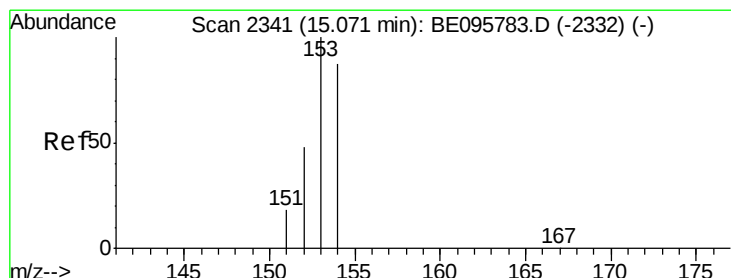
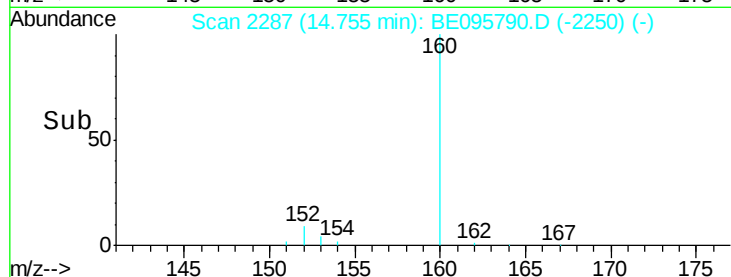
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#8

Acenaphthene

Concen: 0.045 ng/ul

RT: 15.09 min Scan# 2344

Delta R.T. 0.02 min

Lab File: BE095790.D

Acq: 15 Mar 2018 6:43

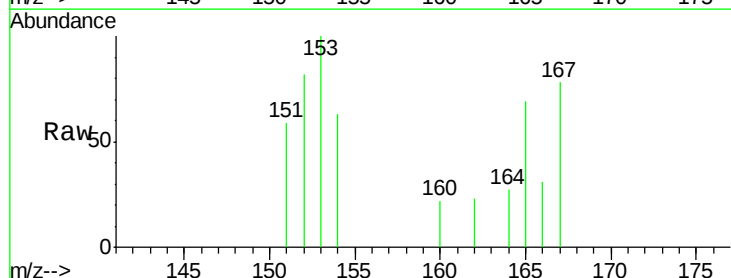
Tgt Ion:153 Resp: 690

Ion Ratio Lower Upper

153 100

152 82.2 36.0 54.0#

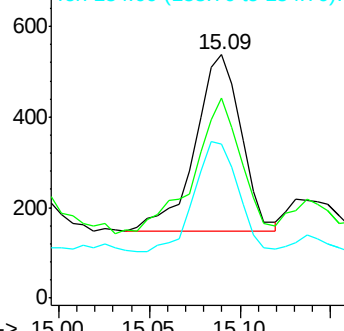
154 63.0 72.0 108.0#



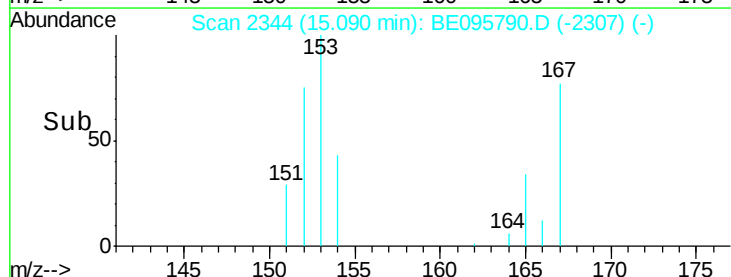
Abundance Ion 153.00 (152.70 to 153.70): E

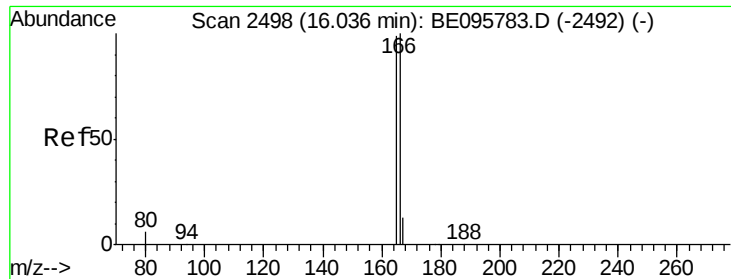
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.051 ng/ul

RT: 16.05 min Scan# 2500

Delta R.T. 0.01 min

Lab File: BE095790.D

Acq: 15 Mar 2018 6:43

Instrument :

BNA_E

ClientSampled :

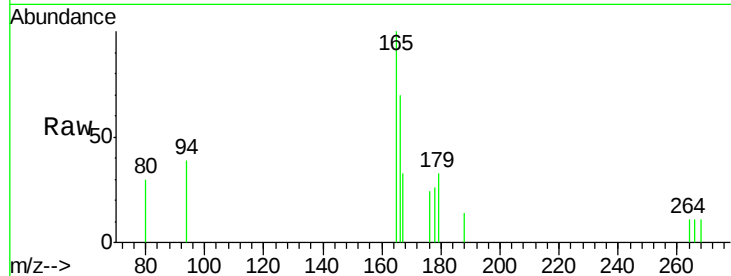
Tot Ion:166 Resp: 850

Ion Ratio Lower Upper

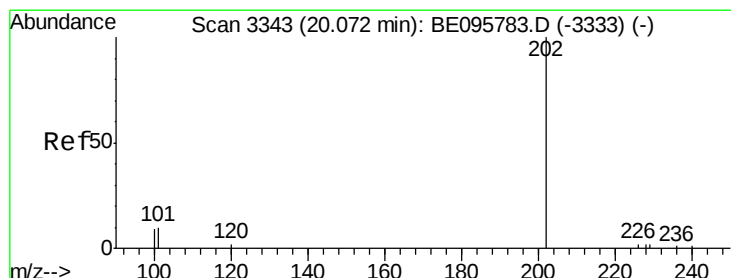
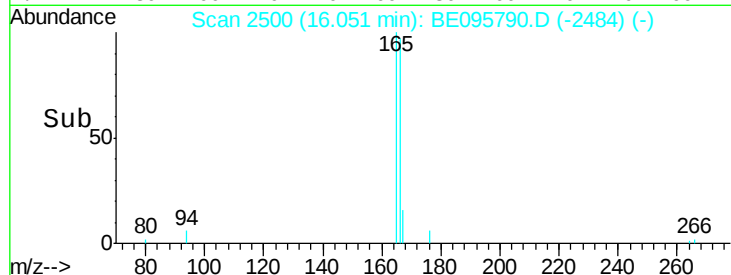
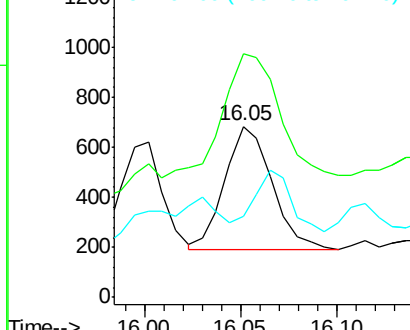
166 100

165 142.4 73.4 110.2#

167 47.5 14.6 22.0#



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



#17

Pyrene

Concen: 98.348 ng/ul

RT: 20.09 min Scan# 3347

Delta R.T. 0.02 min

Lab File: BE095790.D

Acq: 15 Mar 2018 6:43

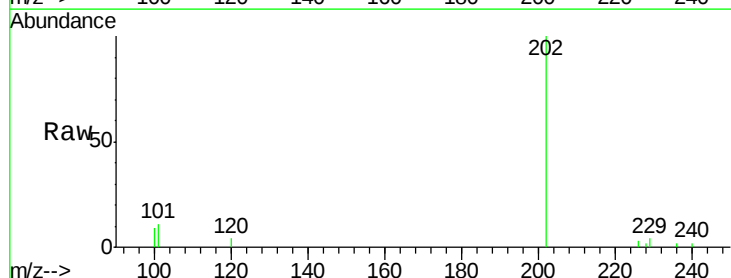
Tgt Ion:202 Resp: 77302

Ion Ratio Lower Upper

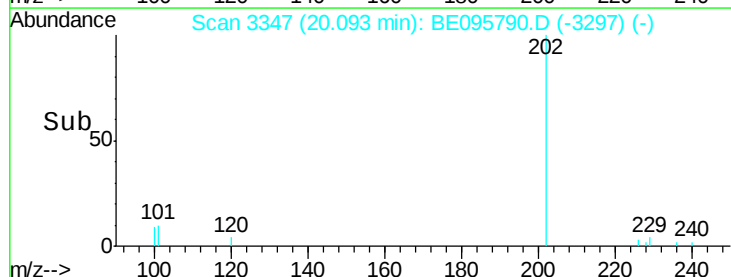
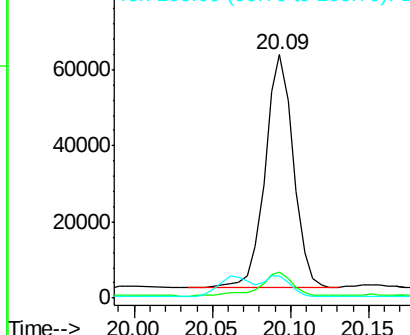
202 100

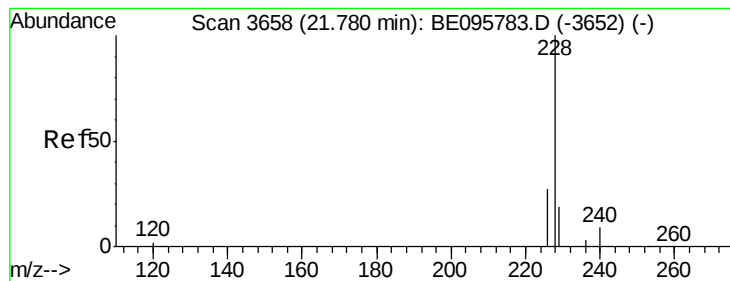
101 10.6 18.2 27.4#

100 9.0 15.6 23.4#



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): E

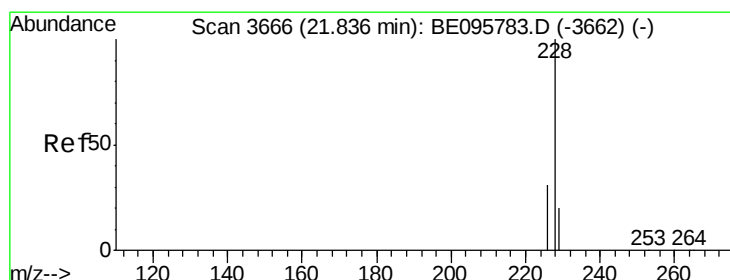
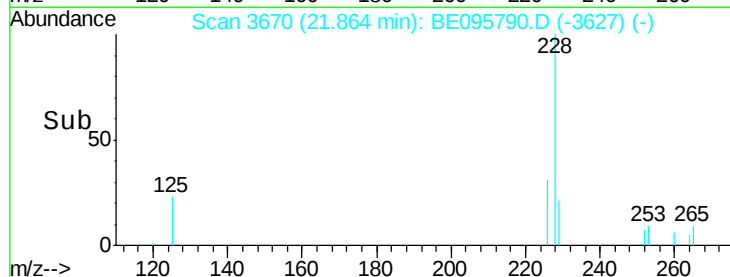
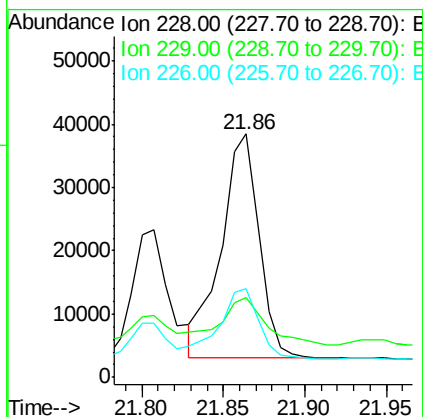
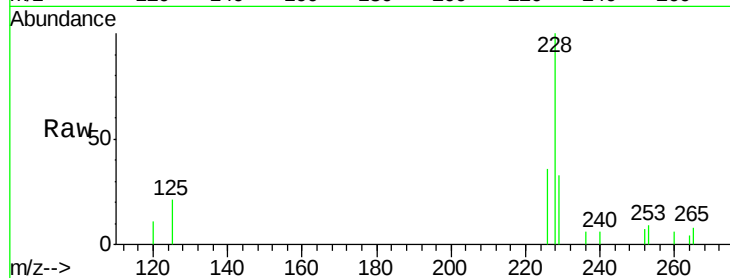




#18
Benzo(a)anthracene
Concen: 86.131 ng/ul
RT: 21.86 min Scan# 3670
Delta R.T. 0.08 min
Lab File: BE095790.D
Acq: 15 Mar 2018 6:43

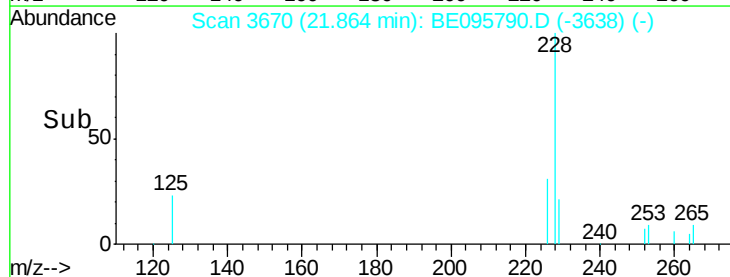
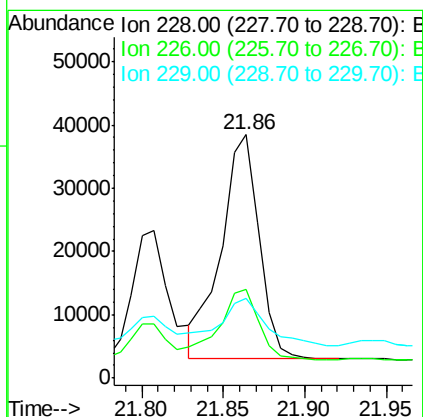
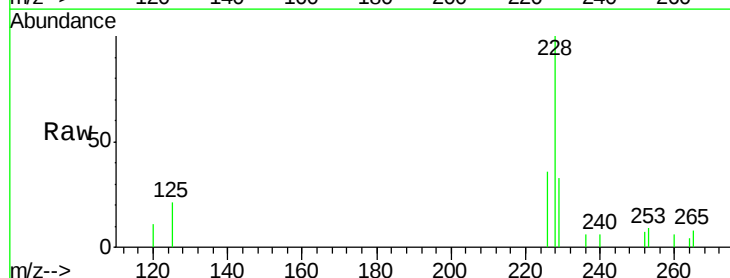
Instrument :
BNA_E
ClientSampleId :

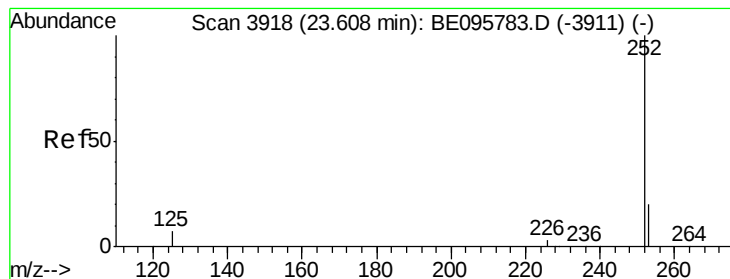
Tot Ion:228 Resp: 57527
Ion Ratio Lower Upper
228 100
229 32.8 22.8 34.2
226 36.2 17.0 25.6#



#19
Chrysene
Concen: 84.592 ng/ul
RT: 21.86 min Scan# 3670
Delta R.T. 0.03 min
Lab File: BE095790.D
Acq: 15 Mar 2018 6:43

Tgt Ion:228 Resp: 57527
Ion Ratio Lower Upper
228 100
226 36.2 23.4 35.0#
229 32.8 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 2.120 ng/ul

RT: 23.87 min Scan# 3955

Delta R.T. 0.26 min

Lab File: BE095790.D

Acq: 15 Mar 2018 6:43

Instrument :

BNA_E

ClientSampleId :

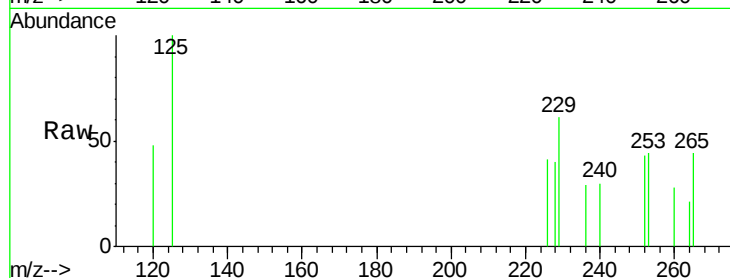
Tot Ion:252 Resp: 1902

Ion Ratio Lower Upper

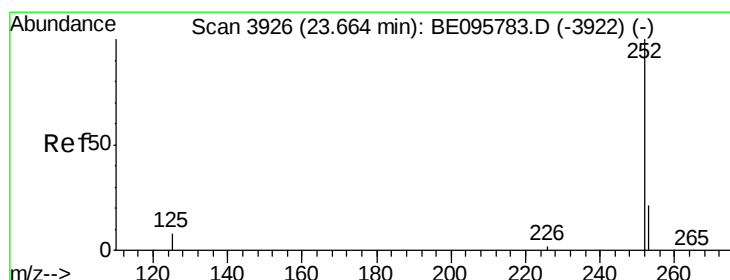
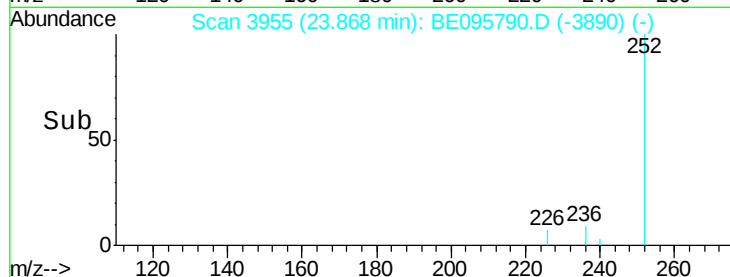
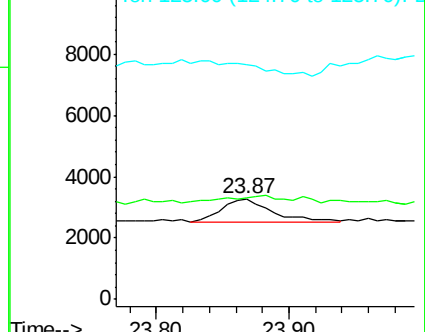
252 100

253 101.4 0.0 64.2#

125 232.5 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



#22

Benzo(k)fluoranthene

Concen: 2.230 ng/ul

RT: 23.87 min Scan# 3955

Delta R.T. 0.20 min

Lab File: BE095790.D

Acq: 15 Mar 2018 6:43

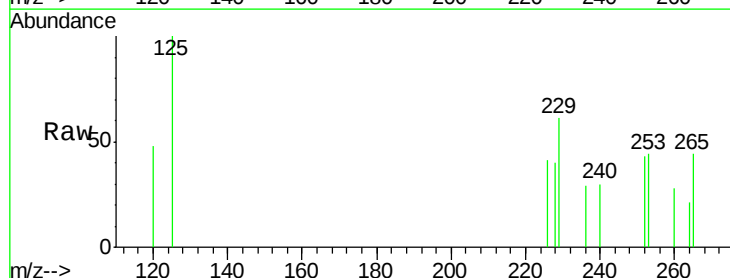
Tgt Ion:252 Resp: 1902

Ion Ratio Lower Upper

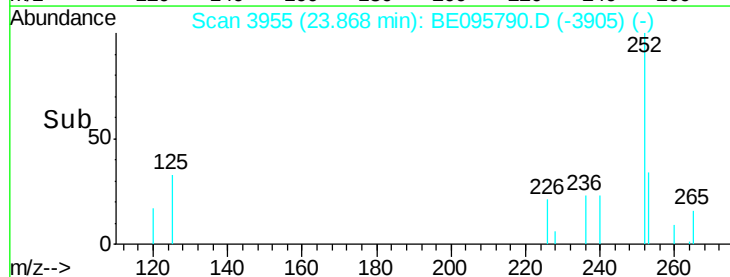
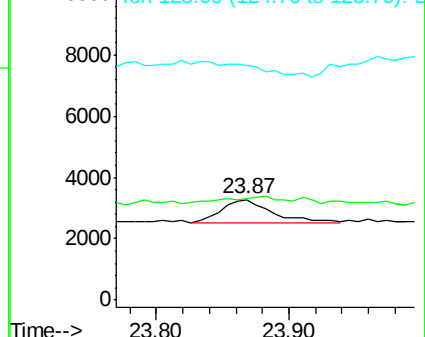
252 100

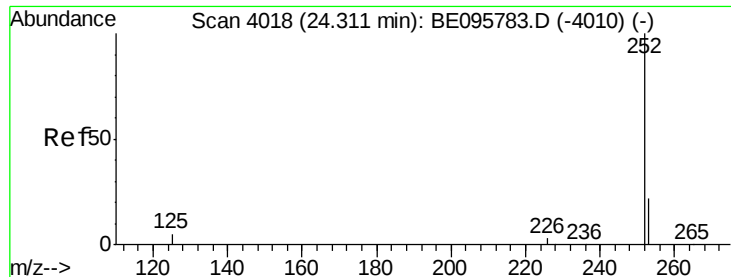
253 101.4 24.5 36.7#

125 232.5 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





#23

Benzo(a)pyrene

Concen: 2.663 ng/ul

RT: 24.54 min Scan# 4051

Delta R.T. 0.23 min

Lab File: BE095790.D

Acq: 15 Mar 2018 6:43

Instrument :

BNA_E

ClientSampleId :

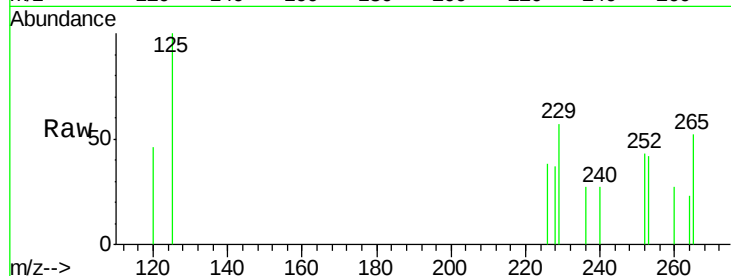
Tot Ion:252 Resp: 2181

Ion Ratio Lower Upper

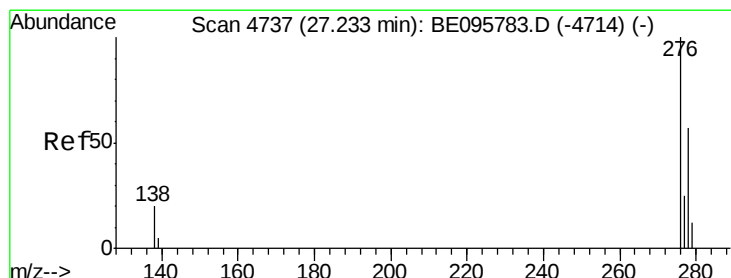
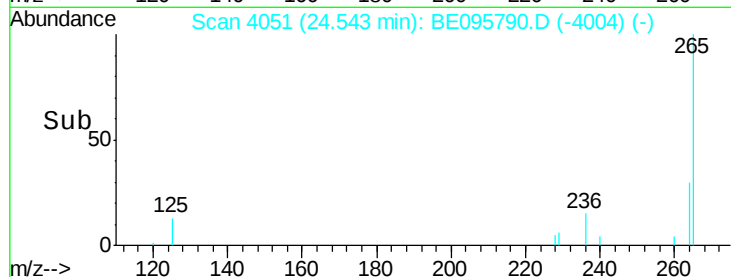
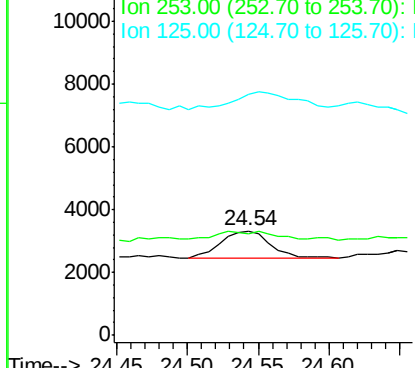
252 100

253 97.1 28.5 42.7#

125 230.9 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: 12.359 ng/ul

RT: 27.34 min Scan# 4766

Delta R.T. 0.10 min

Lab File: BE095790.D

Acq: 15 Mar 2018 6:43

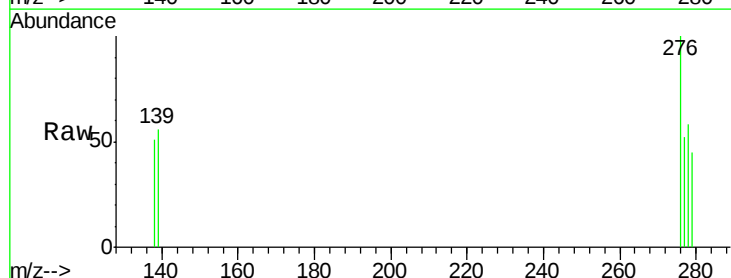
Tgt Ion:276 Resp: 11225

Ion Ratio Lower Upper

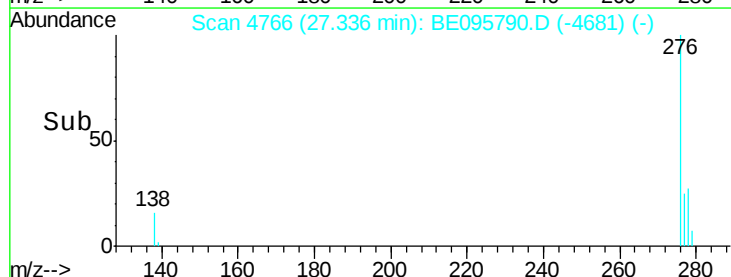
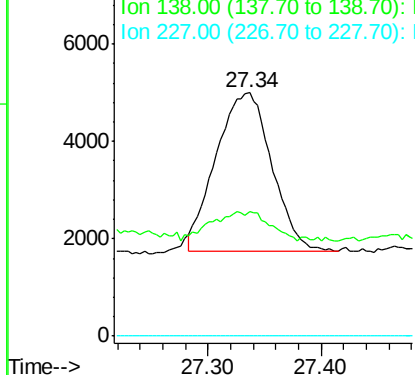
276 100

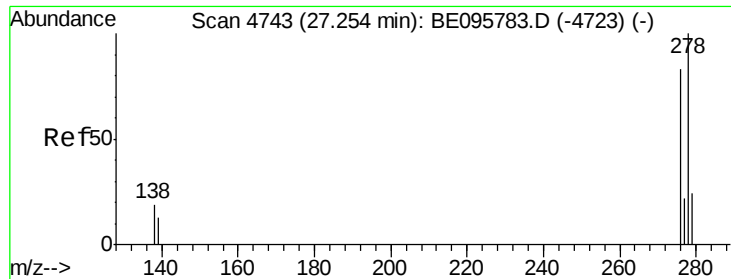
138 19.4 28.0 42.0#

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: 2.955 ng/ul

RT: 27.48 min Scan# 4805

Delta R.T. 0.22 min

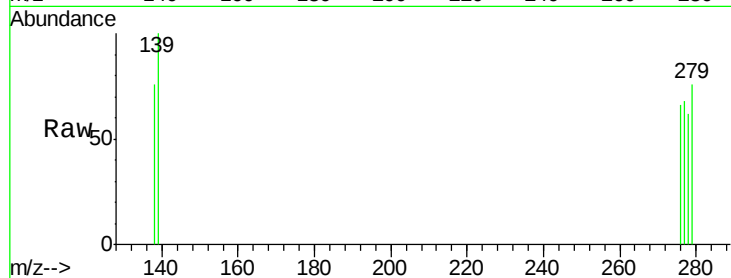
Lab File: BE095790.D

Acq: 15 Mar 2018 6:43

Instrument :

BNA_E

ClientSampleId :



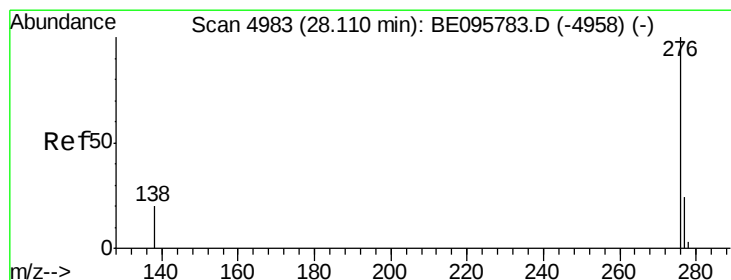
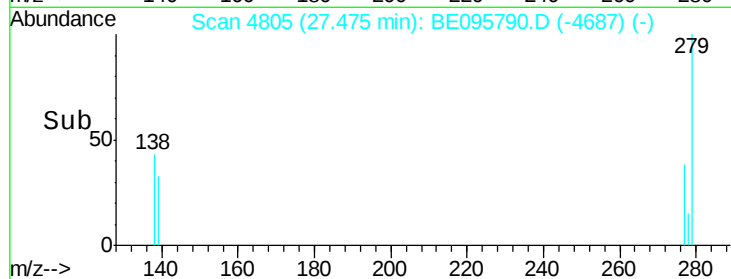
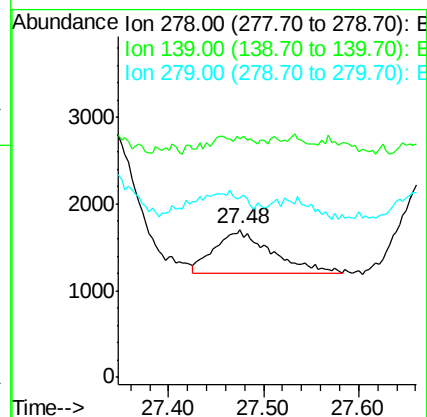
Tot Ion:278 Resp: 2146

Ion Ratio Lower Upper

278 100

139 161.5 17.4 26.0#

279 122.0 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 37.159 ng/ul

RT: 28.22 min Scan# 5015

Delta R.T. 0.11 min

Lab File: BE095790.D

Acq: 15 Mar 2018 6:43

Tgt Ion:276 Resp: 28993

Ion Ratio Lower Upper

276 100

138 34.0 21.8 32.8#

277 37.9 20.5 30.7#

