

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080418\
 Data File : BE097207.D
 Acq On : 4 Aug 2018 18:37
 Operator : SJ/JU
 Sample : J4206-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 06 00:56:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 06 00:53:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1429	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	7656	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.02	164	4859	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.87	188	449012	0.40	ng/ul	0.09
16) Chrysene-d12	21.12	240	346	0.40	ng/ul	0.14
20) Perylene-d12	23.47	264	146	0.40	ng/ul	0.26

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.73	152	2284	0.19	ng/ul	0.00
14) Fluoranthene-d10	18.93	212	111	0.00	ng/ul	0.11

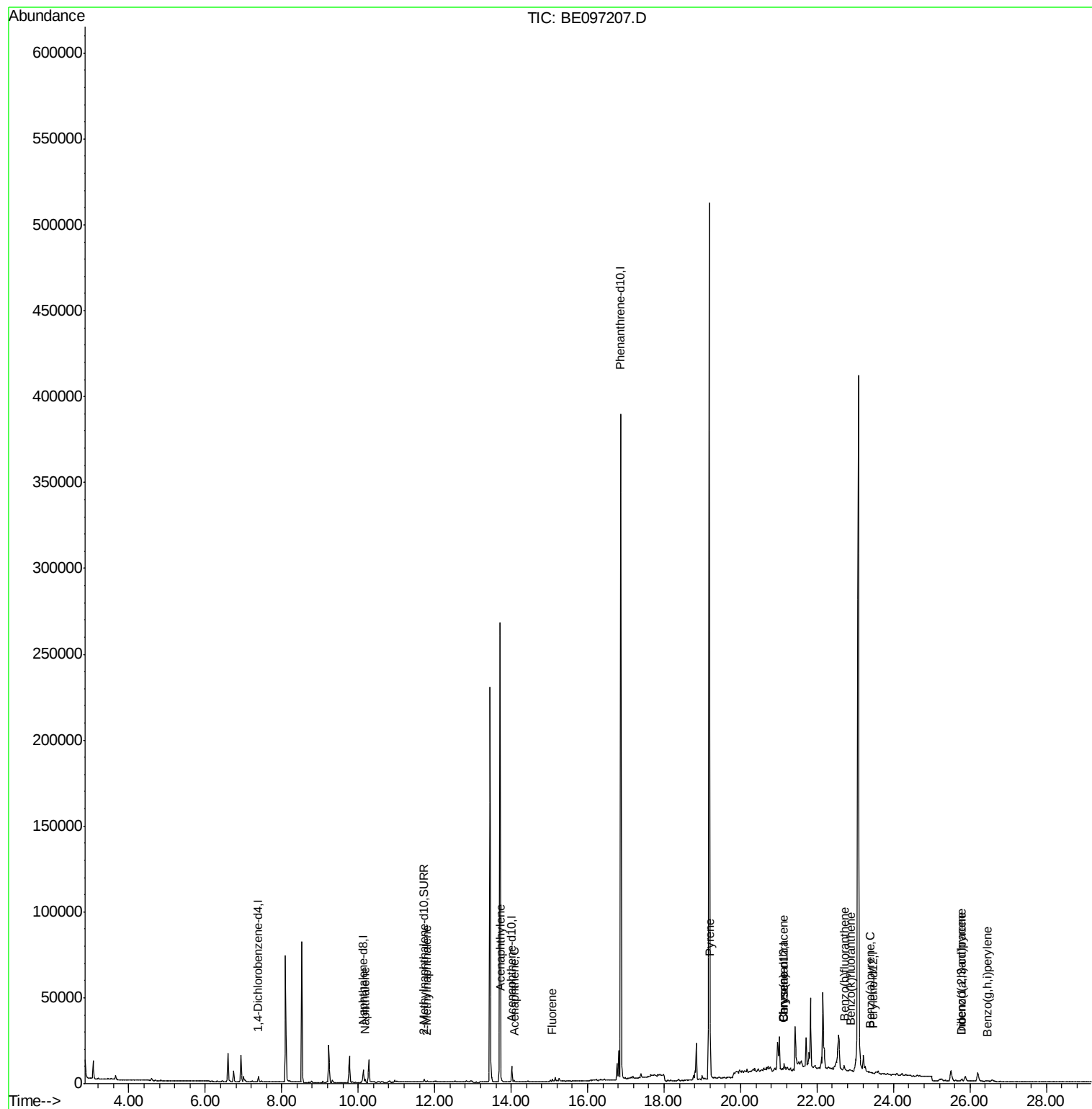
Target Compounds				Ovalue		
3) Naphthalene	10.18	128	3447	0.186	ng/ul#	95
5) 2-Methylnaphthalene	11.80	142	689	0.056	ng/ul	98
7) Acenaphthylene	13.73	152	1733	0.082	ng/ul#	81
8) Acenaphthene	14.08	153	584	0.038	ng/ul#	88
9) Fluorene	15.08	166	790	0.045	ng/ul#	83
17) Pyrene	19.21	202	31006	33.443	ng/ul#	81
18) Benzo(a)anthracene	21.13	228	1373	1.389	ng/ul#	1
19) Chrysene	21.13	228	1303	1.279	ng/ul#	1
21) Benzo(b)fluoranthene	22.71	252	3240	8.142	ng/ul#	13
22) Benzo(k)fluoranthene	22.89	252	946	2.205	ng/ul#	1
23) Benzo(a)pyrene	23.41	252	356	0.894	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.79	276	521	1.045	ng/ul#	77
25) Dibenzo(a,h)anthracene	25.78	278	1730	4.242	ng/ul#	48
26) Benzo(g,h,i)perylene	26.44	276	355	0.824	ng/ul#	2

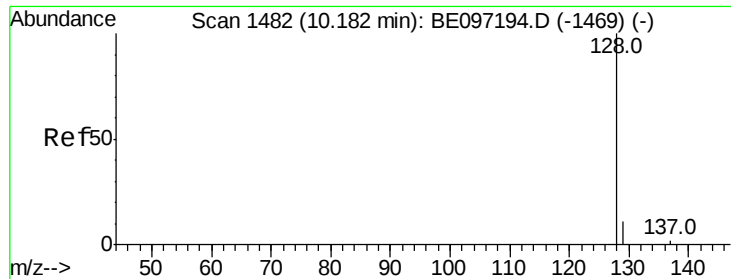
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.186 ng/ul

RT: 10.18 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BE097207.D

Acq: 4 Aug 2018 18:37

Instrument :

BNA_E

ClientSampleId :

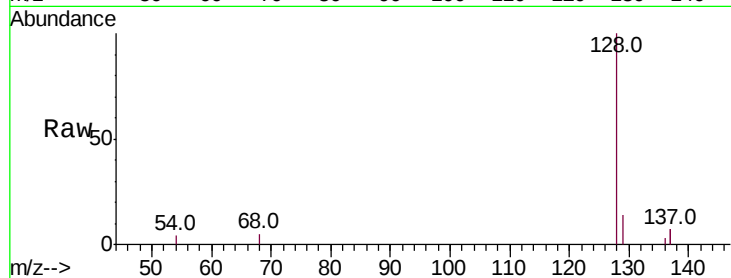
Tot Ion:128 Resp: 3447

Ion Ratio Lower Upper

128 100

129 13.6 11.3 16.9

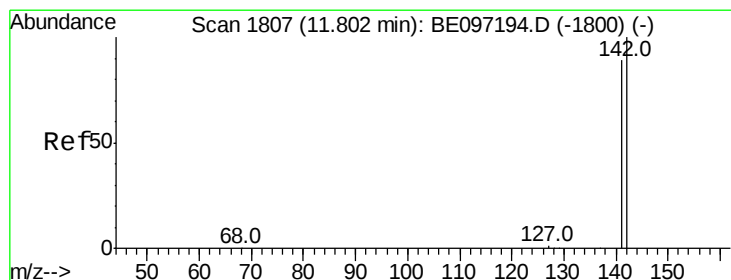
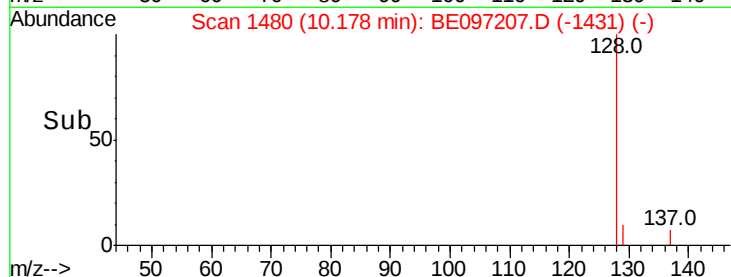
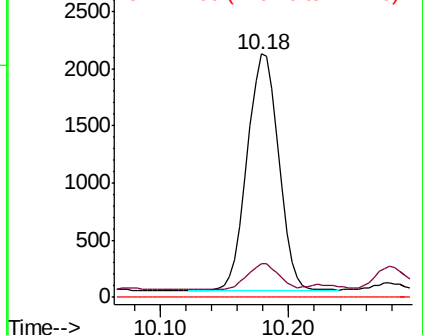
127 0.0 4.0 6.0#



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: 0.056 ng/ul

RT: 11.80 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BE097207.D

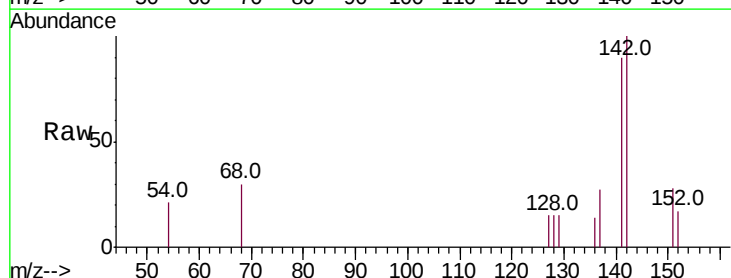
Acq: 4 Aug 2018 18:37

Tgt Ion:142 Resp: 689

Ion Ratio Lower Upper

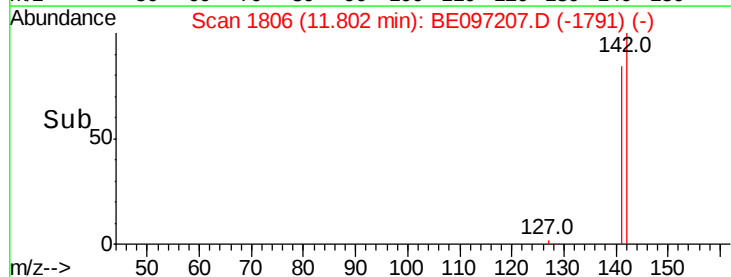
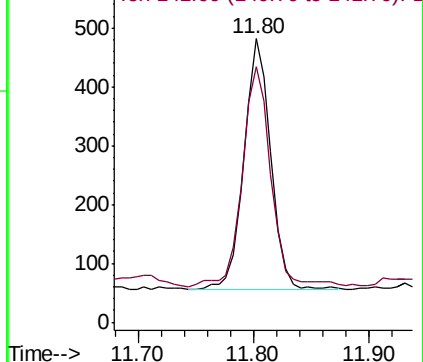
142 100

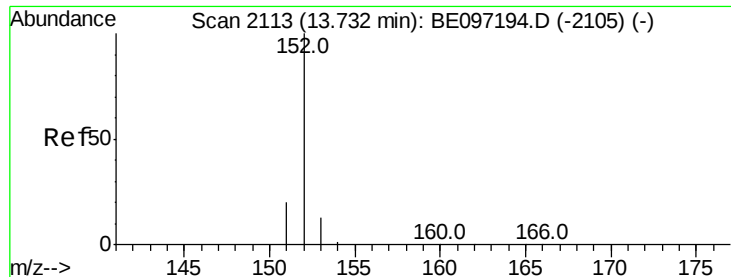
141 92.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.082 ng/ul

RT: 13.73 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE097207.D

Acq: 4 Aug 2018 18:37

Instrument :

BNA_E

ClientSampleId :

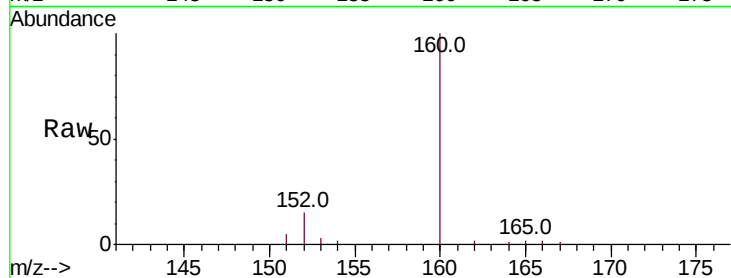
Tot Ion:152 Resp: 1733

Ion Ratio Lower Upper

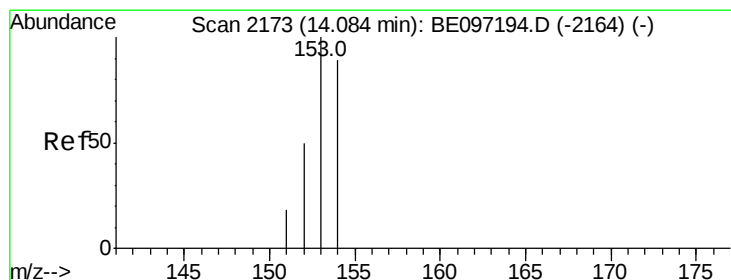
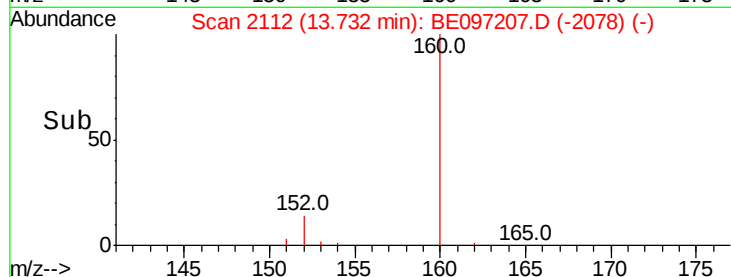
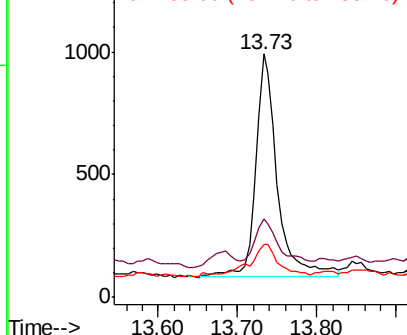
152 100

151 32.1 17.1 25.7#

153 21.9 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



#8

Acenaphthene

Concen: 0.038 ng/ul

RT: 14.08 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BE097207.D

Acq: 4 Aug 2018 18:37

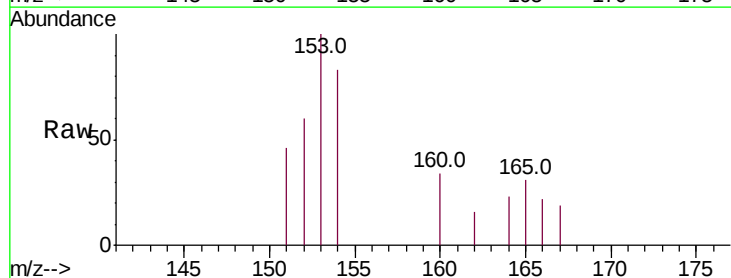
Tgt Ion:153 Resp: 584

Ion Ratio Lower Upper

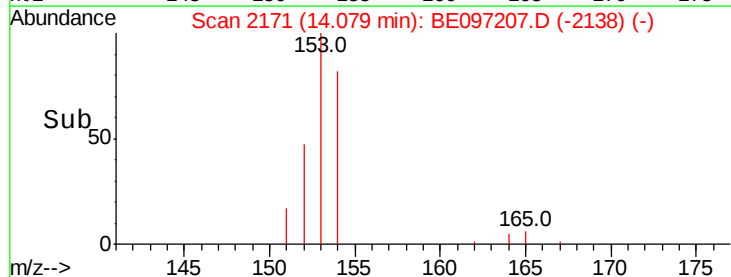
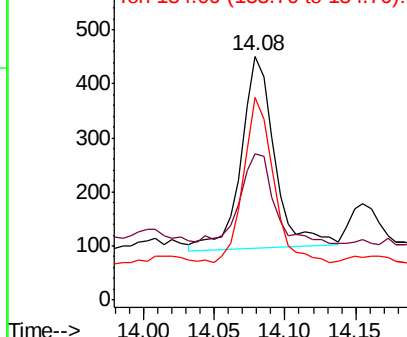
153 100

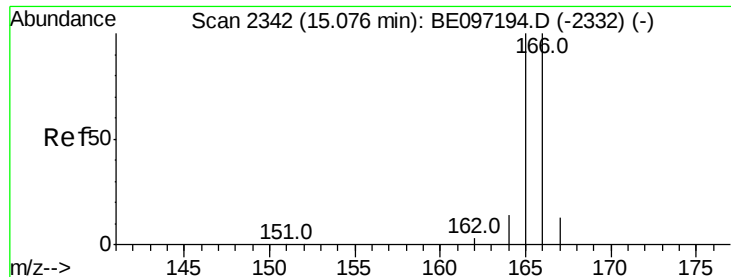
152 59.9 36.0 54.0#

154 83.1 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





#9

Fluorene

Concen: 0.045 ng/ul

RT: 15.08 min Scan# 2341

Delta R.T. 0.00 min

Lab File: BE097207.D

Acq: 4 Aug 2018 18:37

Instrument :

BNA_E

ClientSampleId :

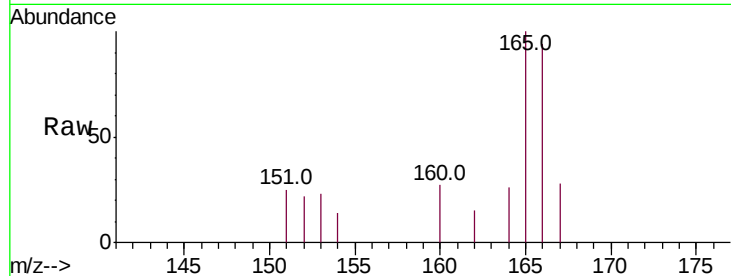
Tot Ion:166 Resp: 790

Ion Ratio Lower Upper

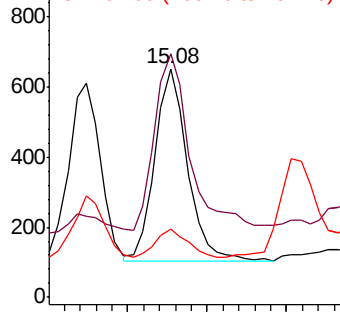
166 100

165 106.6 73.4 110.2

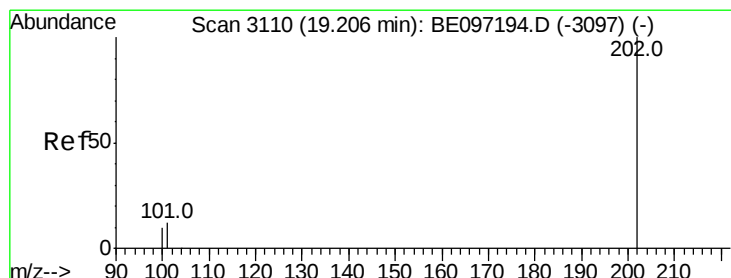
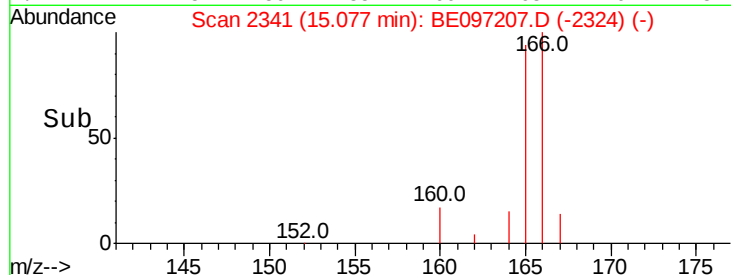
167 30.1 14.6 22.0#



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



Time-->



#17

Pyrene

Concen: 33.443 ng/ul

RT: 19.21 min Scan# 3109

Delta R.T. 0.00 min

Lab File: BE097207.D

Acq: 4 Aug 2018 18:37

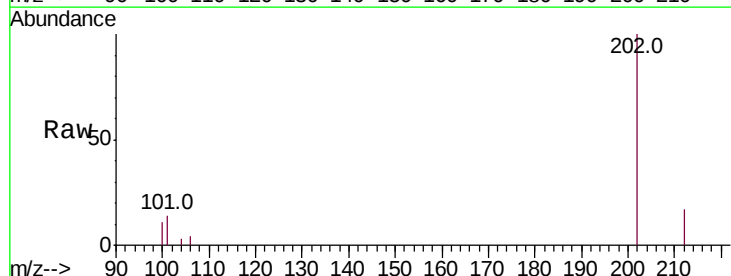
Tgt Ion:202 Resp: 31006

Ion Ratio Lower Upper

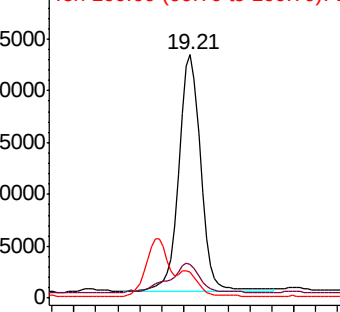
202 100

101 13.9 18.2 27.4#

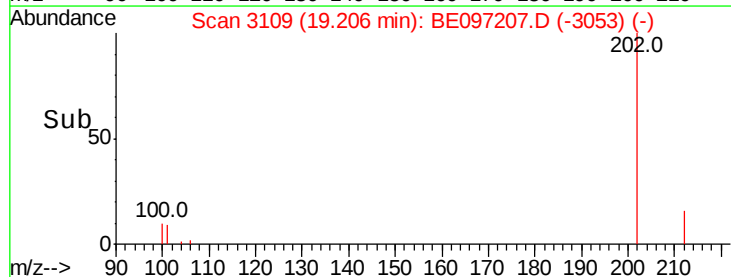
100 10.6 15.6 23.4#

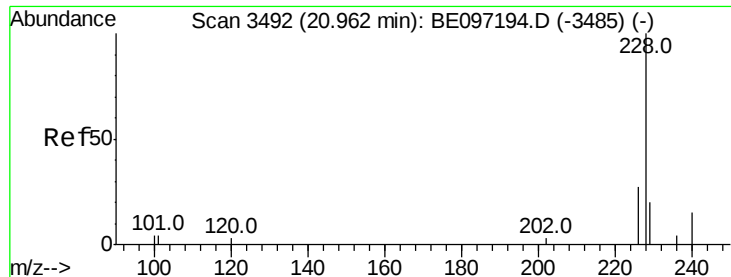


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): BE



Time-->





#18

Benzo(a)anthracene

Concen: 1.389 ng/ul

RT: 21.13 min Scan# 3522

Delta R.T. 0.16 min

Lab File: BE097207.D

Acq: 4 Aug 2018 18:37

Instrument :

BNA_E

ClientSampleId :

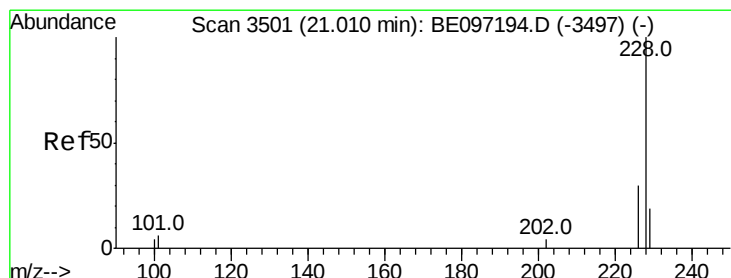
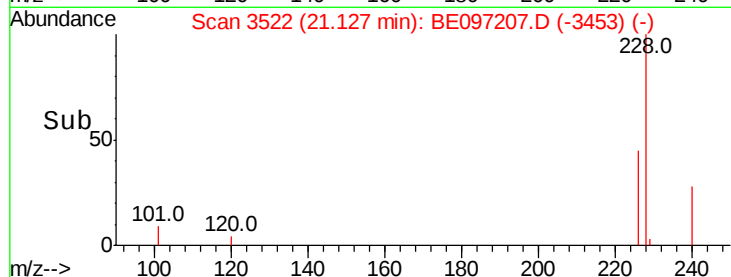
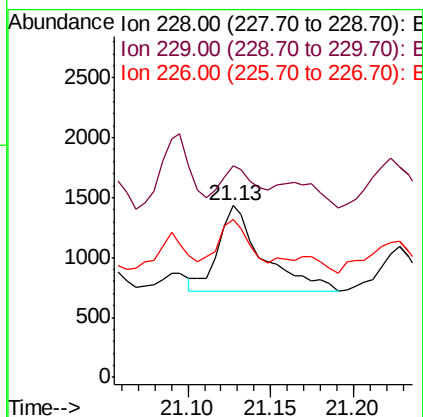
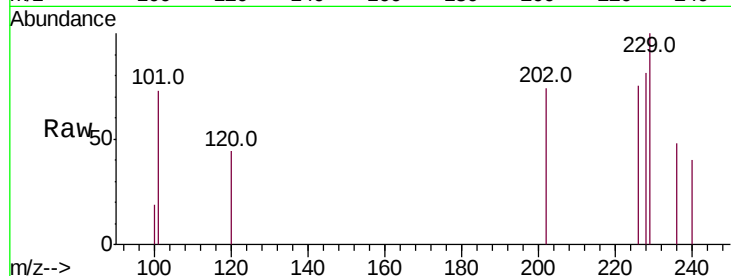
Tot Ion:228 Resp: 1373

Ion Ratio Lower Upper

228 100

229 123.1 22.8 34.2#

226 91.8 17.0 25.6#



#19

Chrysene

Concen: 1.279 ng/ul

RT: 21.13 min Scan# 3522

Delta R.T. 0.12 min

Lab File: BE097207.D

Acq: 4 Aug 2018 18:37

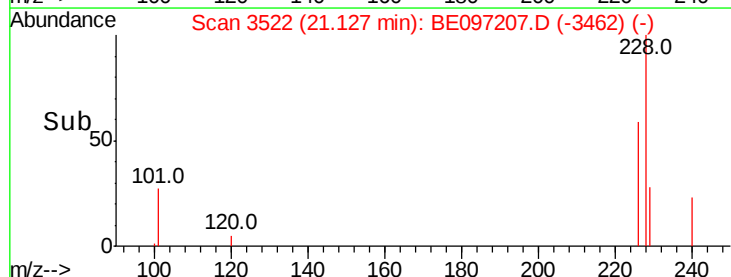
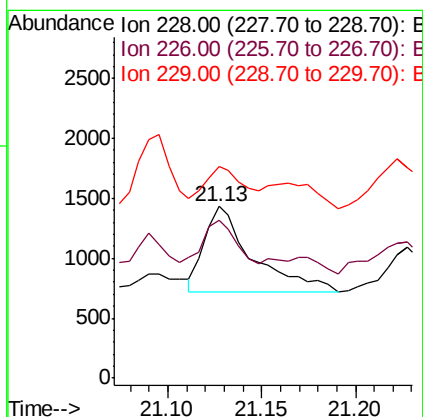
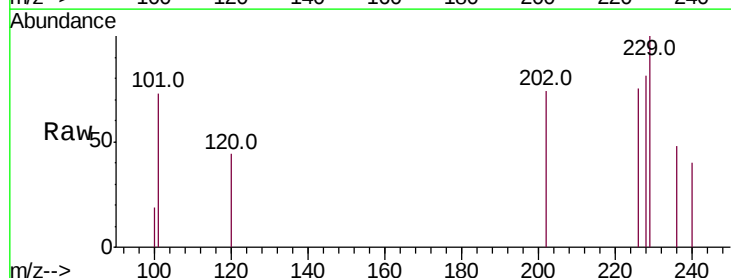
Tgt Ion:228 Resp: 1303

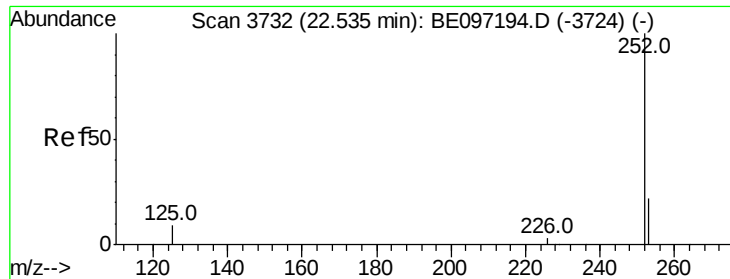
Ion Ratio Lower Upper

228 100

226 91.8 23.4 35.0#

229 123.1 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 8.142 ng/ul

RT: 22.71 min Scan# 3756

Delta R.T. 0.18 min

Lab File: BE097207.D

Acq: 4 Aug 2018 18:37

Instrument :

BNA_E

ClientSampleId :

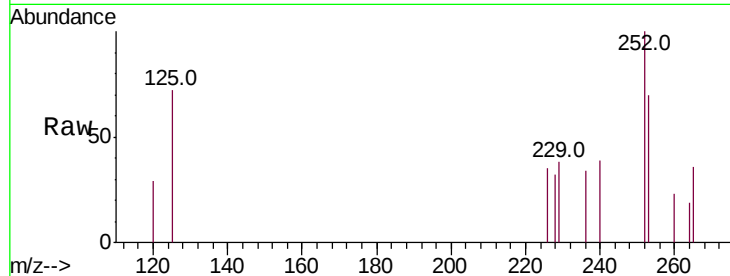
Tot Ion:252 Resp: 3240

Ion Ratio Lower Upper

252 100

253 69.6 0.0 64.2#

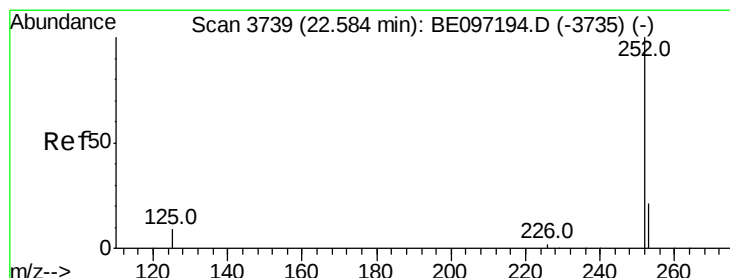
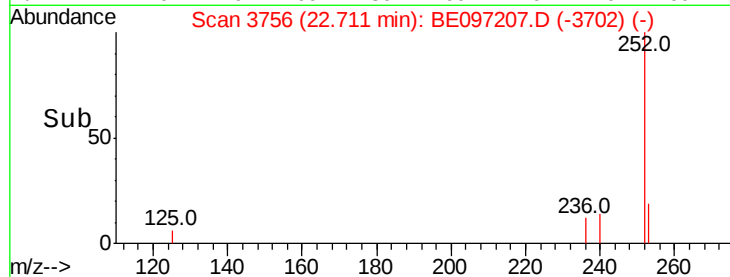
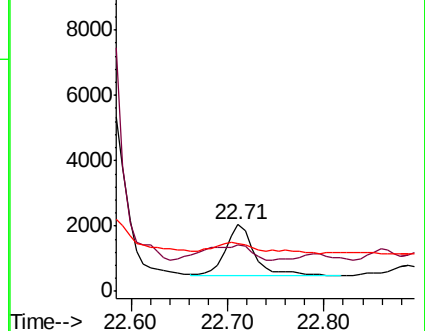
125 72.1 0.0 35.0#



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: 2.205 ng/ul

RT: 22.89 min Scan# 3781

Delta R.T. 0.30 min

Lab File: BE097207.D

Acq: 4 Aug 2018 18:37

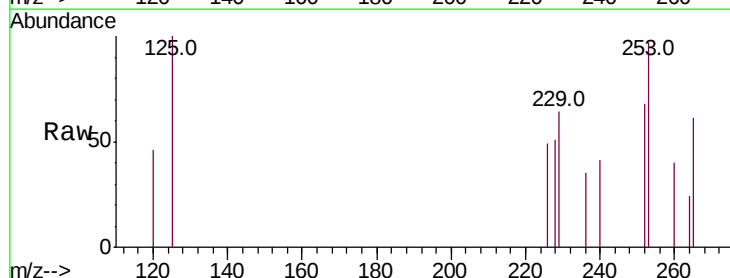
Tgt Ion:252 Resp: 946

Ion Ratio Lower Upper

252 100

253 141.7 24.5 36.7#

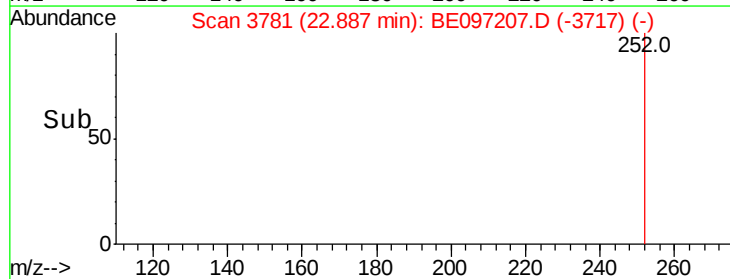
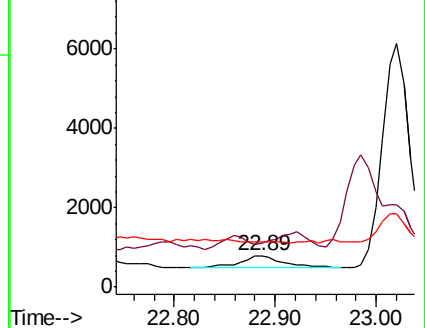
125 146.0 13.7 20.5#

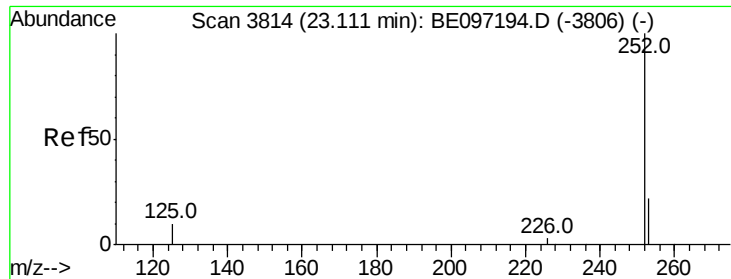


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.894 ng/ul

RT: 23.41 min Scan# 3855

Delta R.T. 0.30 min

Lab File: BE097207.D

Acq: 4 Aug 2018 18:37

Instrument :

BNA_E

ClientSampled :

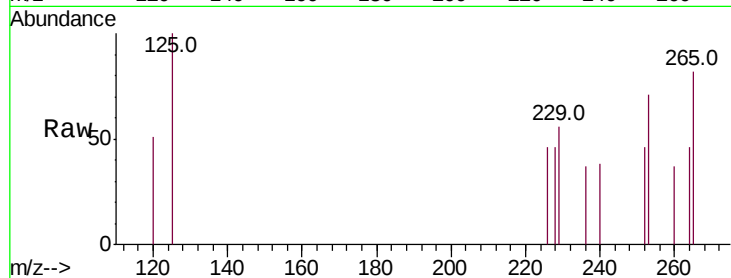
Tot Ion:252 Resp: 356

Ion Ratio Lower Upper

252 100

253 153.0 28.5 42.7#

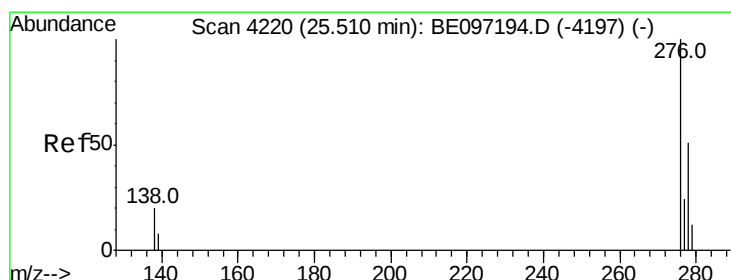
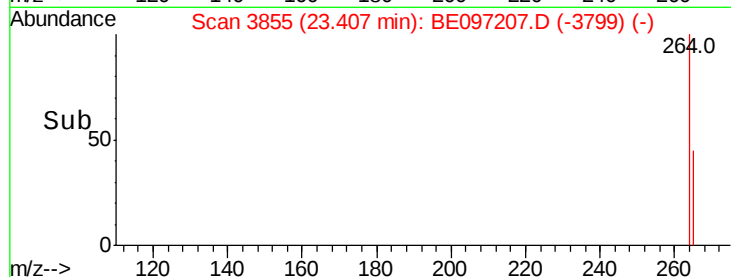
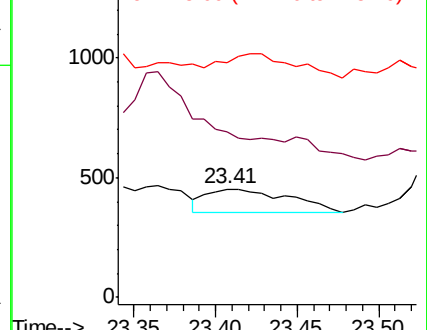
125 216.1 18.1 27.1#



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: 1.045 ng/ul

RT: 25.79 min Scan# 4297

Delta R.T. 0.28 min

Lab File: BE097207.D

Acq: 4 Aug 2018 18:37

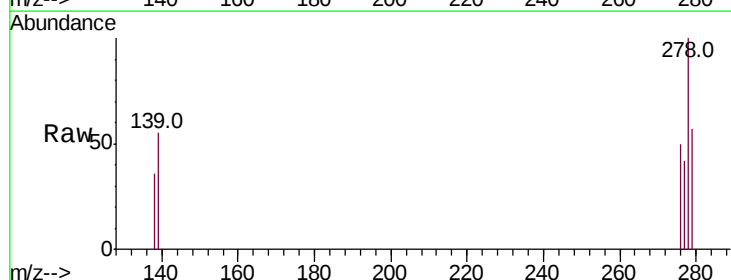
Tgt Ion:276 Resp: 521

Ion Ratio Lower Upper

276 100

138 48.0 28.0 42.0#

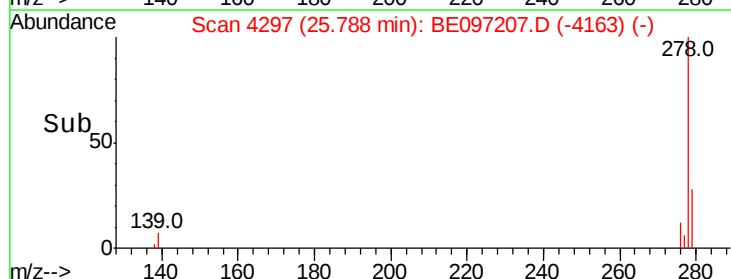
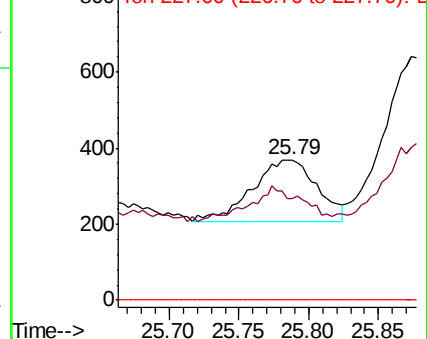
227 0.0 8.0 12.0#

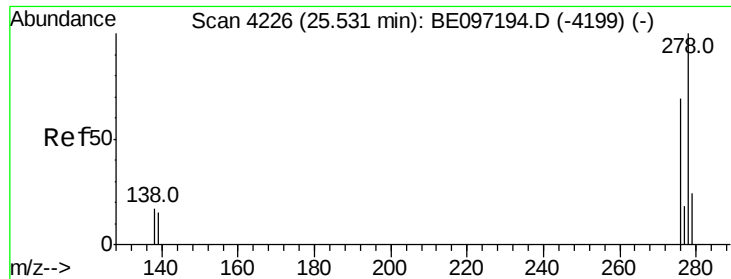


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 4.242 ng/ul

RT: 25.78 min Scan# 4296

Delta R.T. 0.25 min

Lab File: BE097207.D

Acq: 4 Aug 2018 18:37

Instrument :

BNA_E

ClientSampleId :

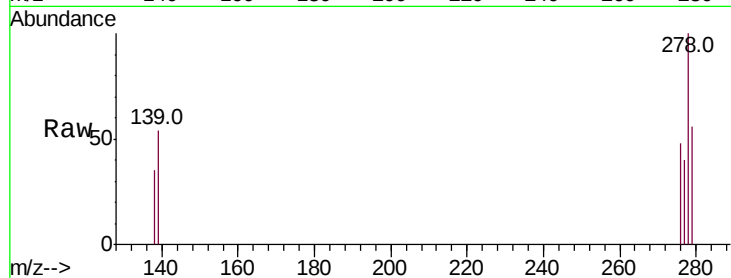
Tot Ion:278 Resp: 1730

Ion Ratio Lower Upper

278 100

139 54.0 17.4 26.0#

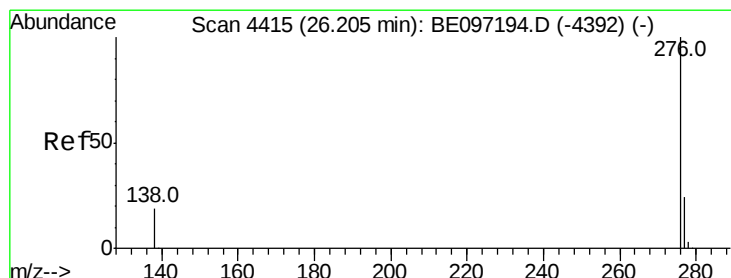
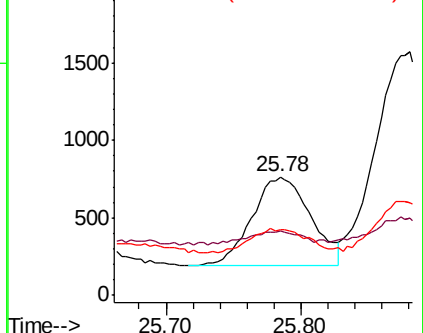
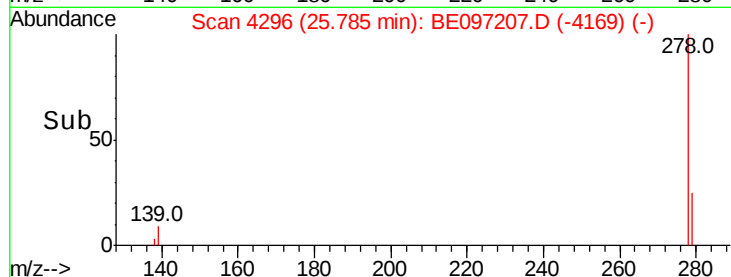
279 55.6 25.9 38.9#



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



#26

Benzo(g,h,i)perylene

Concen: 0.824 ng/ul

RT: 26.44 min Scan# 4480

Delta R.T. 0.24 min

Lab File: BE097207.D

Acq: 4 Aug 2018 18:37

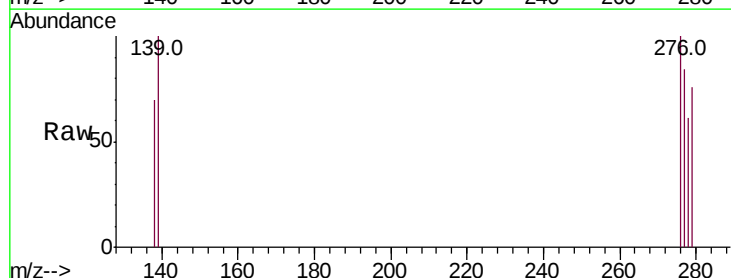
Tgt Ion:276 Resp: 355

Ion Ratio Lower Upper

276 100

138 70.5 21.8 32.8#

277 83.8 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

