

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096188.D
 Acq On : 26 Apr 2018 20:32
 Operator : SJ/JU
 Sample : J2449-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 27 05:00:59 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 04:45:57 2018
 Response via : Initial Calibration

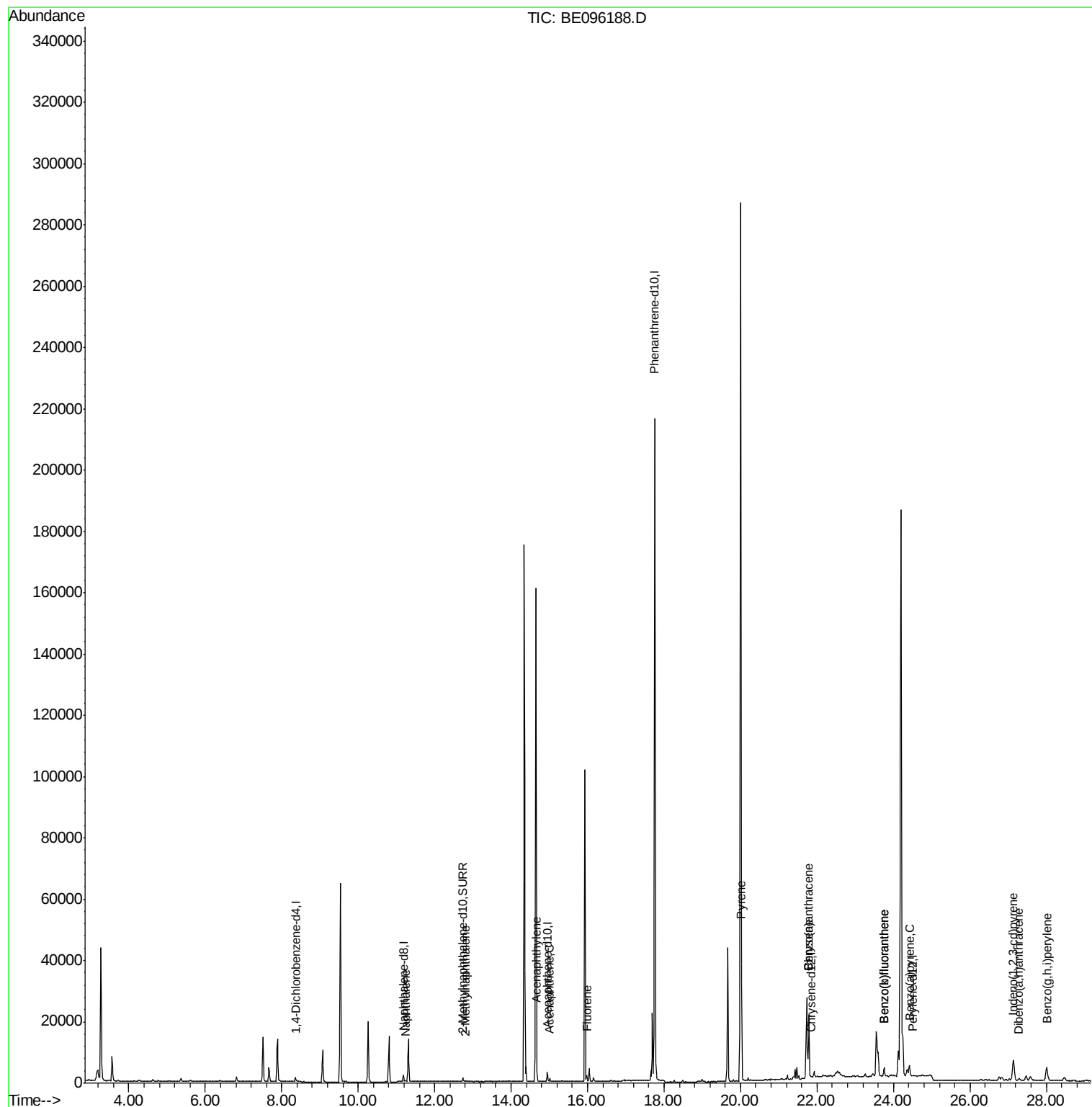
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	701	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	2910	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	1692	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.75	188	251167	0.40	ng/ul	0.10
16) Chrysene-d12	21.87	240	25	0.40	ng/ul	0.12
20) Perylene-d12	24.50	264	30	0.40	ng/ul	0.14
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	1722	0.32	ng/ul	0.00
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	
Target Compounds				Ovalue		
3) Naphthalene	11.23	128	498	0.061	ng/ul#	69
5) 2-Methylnaphthalene	12.81	142	279	0.051	ng/ul	96
7) Acenaphthylene	14.68	152	1494	0.171	ng/ul	96
8) Acenaphthene	15.01	153	638	0.101	ng/ul#	89
9) Fluorene	15.98	166	1204	0.145	ng/ul	92
17) Pyrene	20.02	202	28532	568.889	ng/ul#	78
18) Benzo(a)anthracene	21.79	228	19547	258.259	ng/ul#	84
19) Chrysene	21.79	228	19547	281.051	ng/ul	96
21) Benzo(b)fluoranthene	23.76	252	4097	36.067	ng/ul	95
22) Benzo(k)fluoranthene	23.76	252	4097	37.728	ng/ul#	92
23) Benzo(a)pyrene	24.42	252	5357	54.283	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	27.14	276	12457	93.681	ng/ul#	73
25) Dibenzo(a,h)anthracene	27.28	278	1388	12.467	ng/ul#	59
26) Benzo(g,h,i)perylene	28.01	276	10202	88.142	ng/ul	95

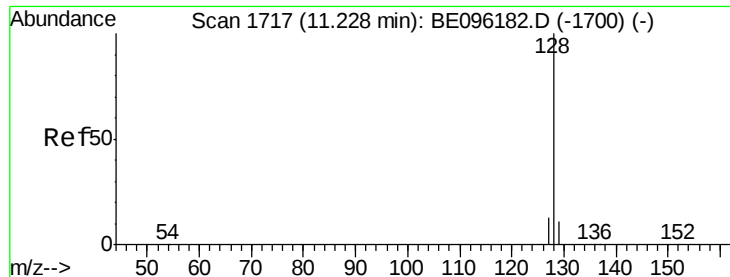
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.061 ng/ul

RT: 11.23 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BE096188.D

Acq: 26 Apr 2018 20:32

Instrument :

BNA_E

ClientSampleId :

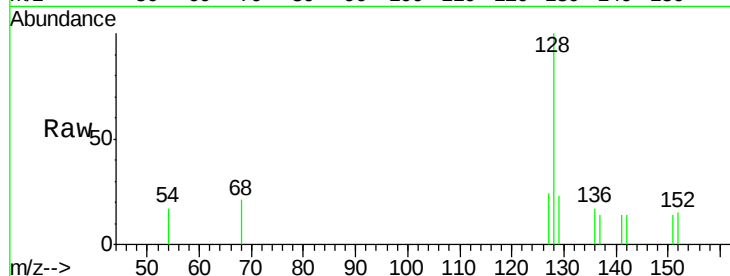
Tot Ion:128 Resp: 498

Ion Ratio Lower Upper

128 100

129 22.9 11.3 16.9#

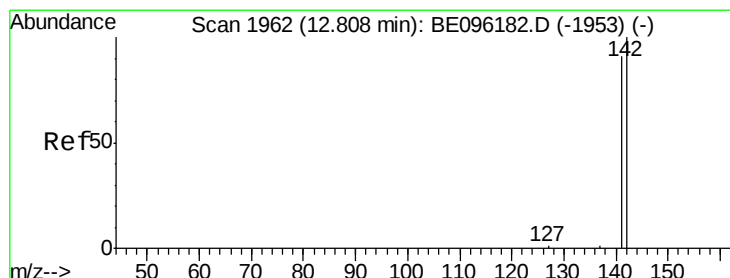
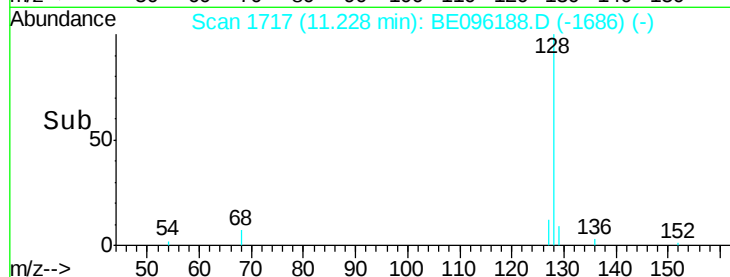
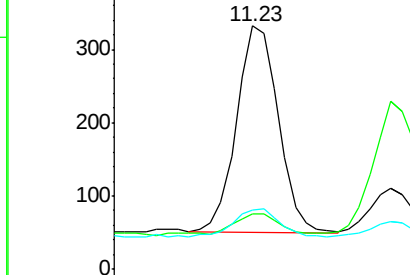
127 24.1 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.051 ng/ul

RT: 12.81 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BE096188.D

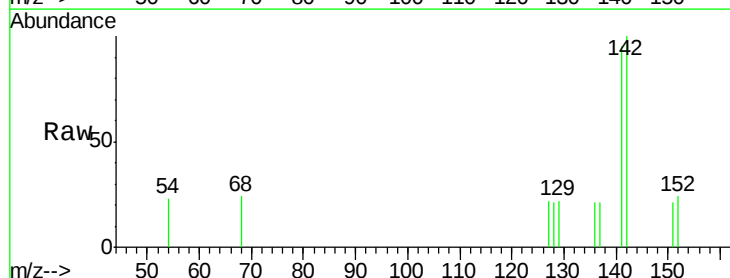
Acq: 26 Apr 2018 20:32

Tgt Ion:142 Resp: 279

Ion Ratio Lower Upper

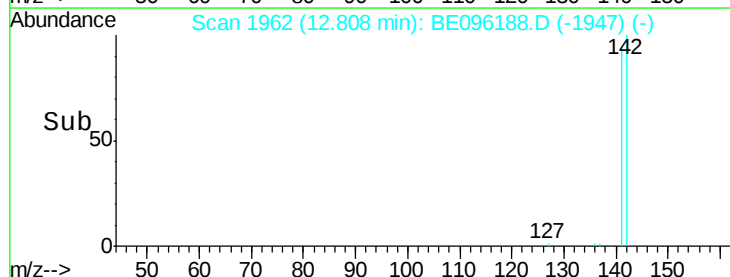
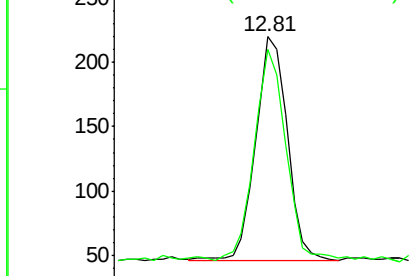
142 100

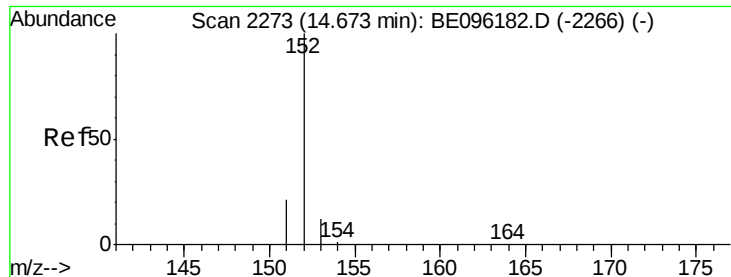
141 94.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.171 ng/ul

RT: 14.68 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BE096188.D

Acq: 26 Apr 2018 20:32

Instrument :

BNA_E

ClientSampleId :

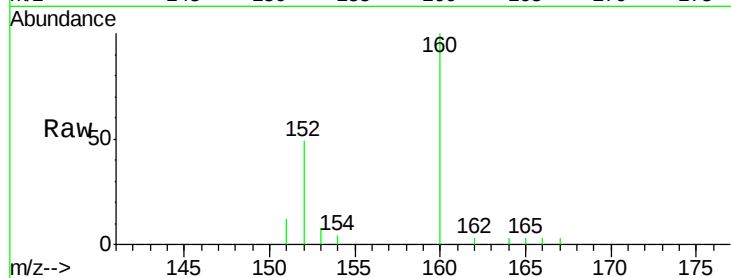
Tot Ion:152 Resp: 1494

Ion Ratio Lower Upper

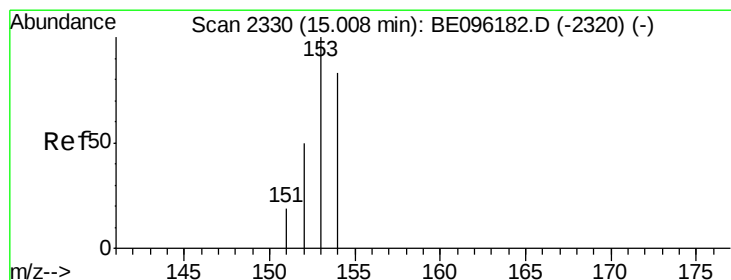
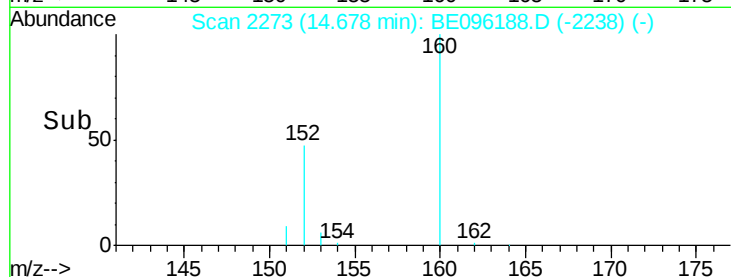
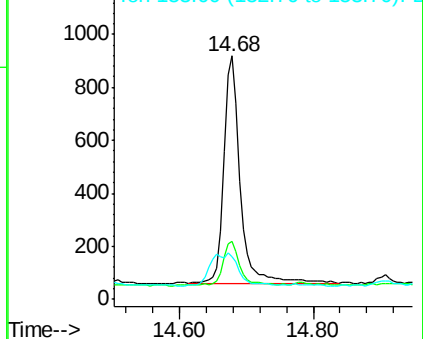
152 100

151 23.8 17.1 25.7

153 17.4 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: 0.101 ng/ul

RT: 15.01 min Scan# 2329

Delta R.T. -0.00 min

Lab File: BE096188.D

Acq: 26 Apr 2018 20:32

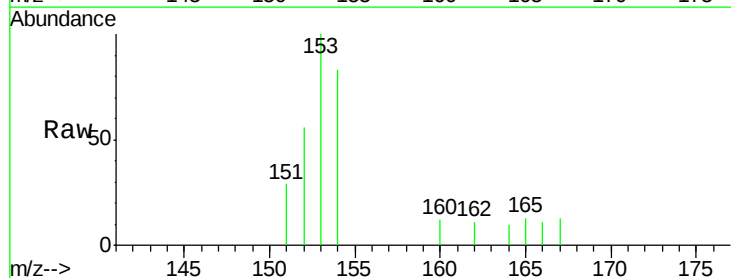
Tgt Ion:153 Resp: 638

Ion Ratio Lower Upper

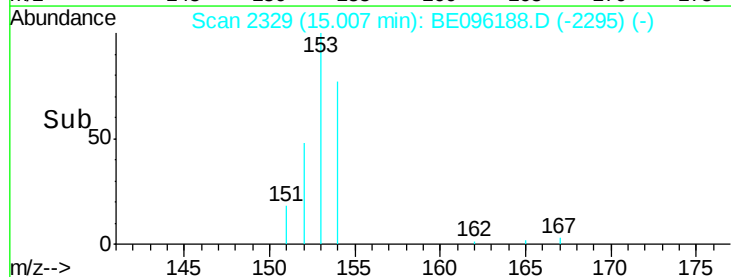
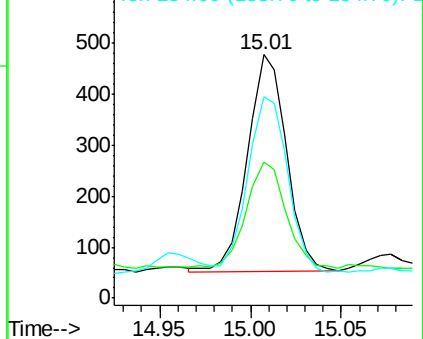
153 100

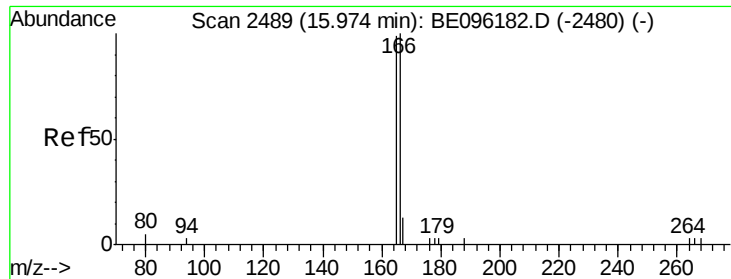
152 56.2 36.0 54.0#

154 83.0 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





#9

Fluorene

Concen: 0.145 ng/ul

RT: 15.98 min Scan# 2489

Delta R.T. 0.01 min

Lab File: BE096188.D

Acq: 26 Apr 2018 20:32

Instrument :

BNA_E

ClientSampleId :

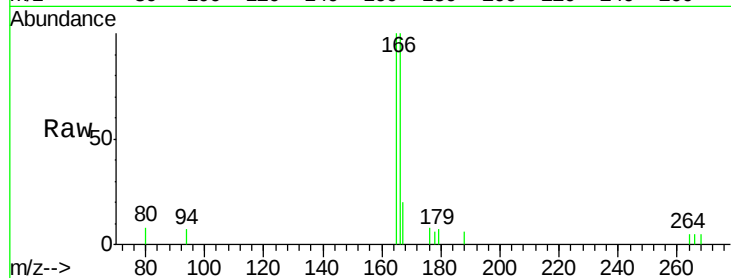
Tot Ion:166 Resp: 1204

Ion Ratio Lower Upper

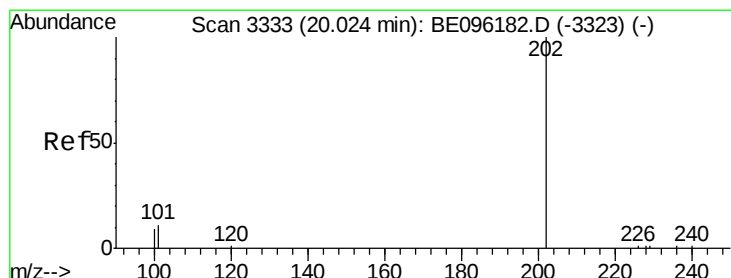
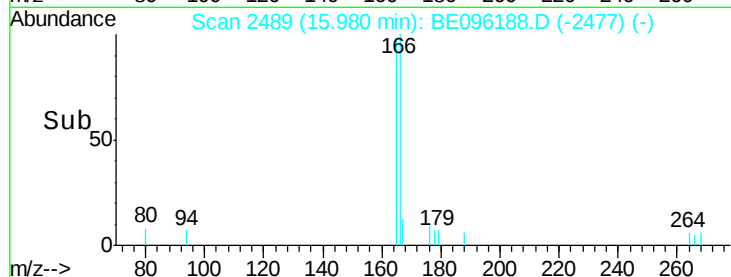
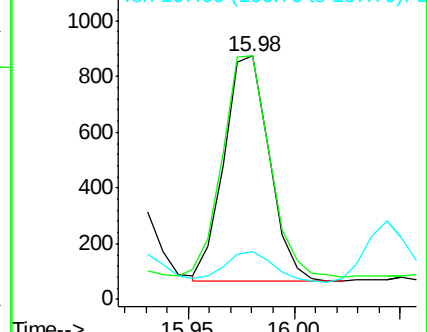
166 100

165 100.1 73.4 110.2

167 19.6 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: 568.889 ng/ul

RT: 20.02 min Scan# 3332

Delta R.T. -0.00 min

Lab File: BE096188.D

Acq: 26 Apr 2018 20:32

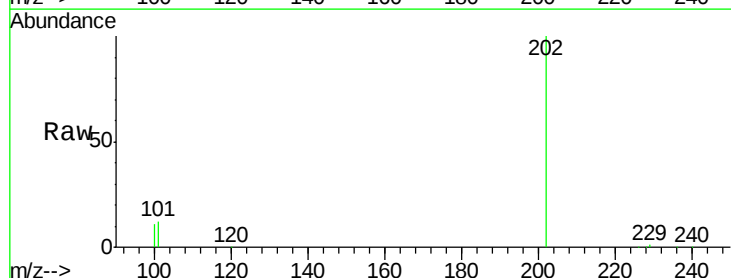
Tgt Ion:202 Resp: 28532

Ion Ratio Lower Upper

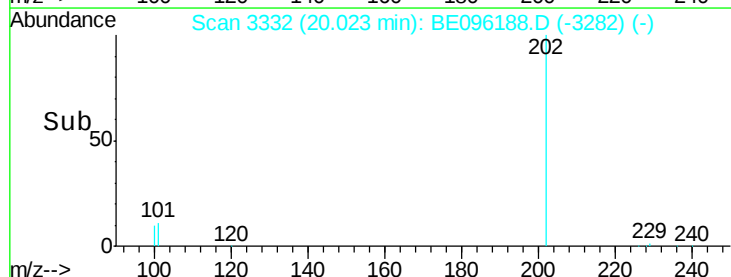
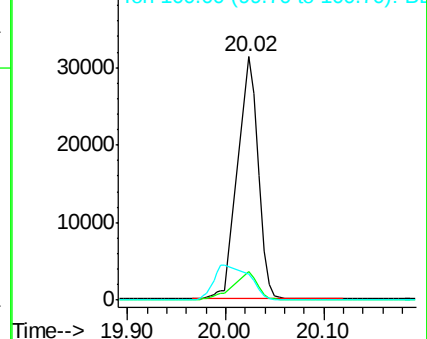
202 100

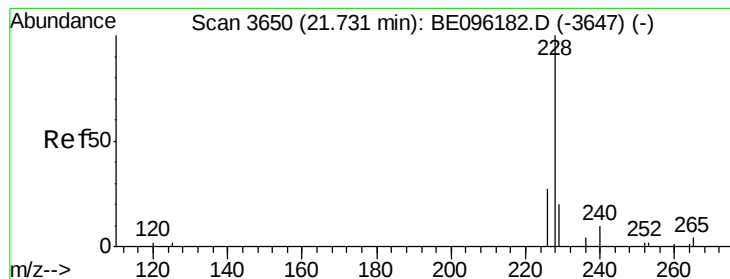
101 11.6 18.2 27.4#

100 10.5 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: 258.259 ng/ul

RT: 21.79 min Scan# 3657

Delta R.T. 0.06 min

Lab File: BE096188.D

Acq: 26 Apr 2018 20:32

Instrument :

BNA_E

ClientSampleId :

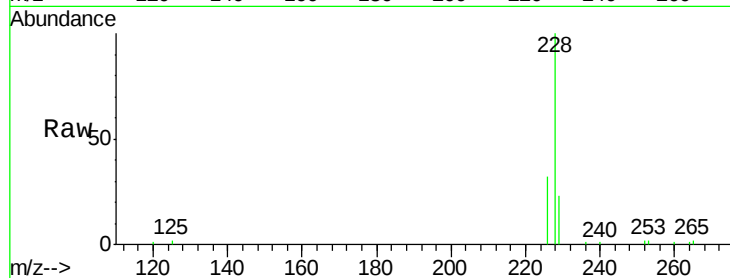
Tot Ion:228 Resp: 19547

Ion Ratio Lower Upper

228 100

229 22.6 22.8 34.2#

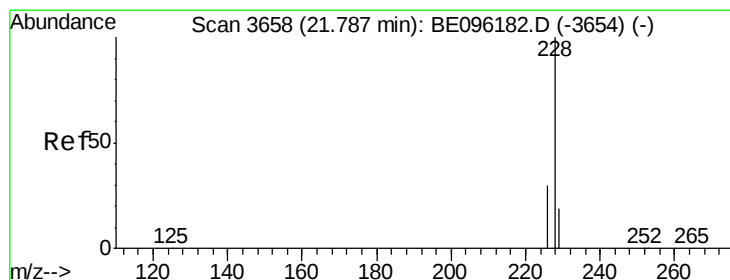
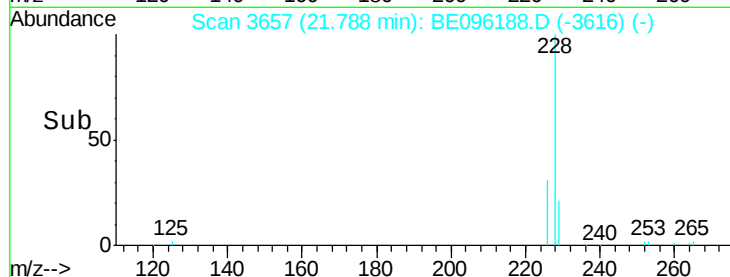
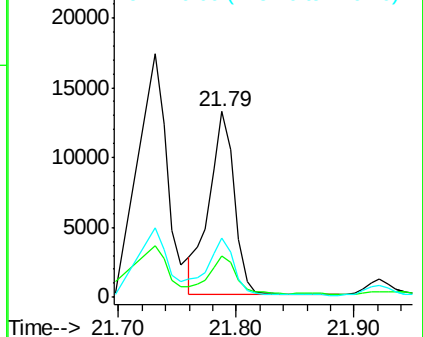
226 32.2 17.0 25.6#



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



#19

Chrysene

Concen: 281.051 ng/ul

RT: 21.79 min Scan# 3657

Delta R.T. 0.00 min

Lab File: BE096188.D

Acq: 26 Apr 2018 20:32

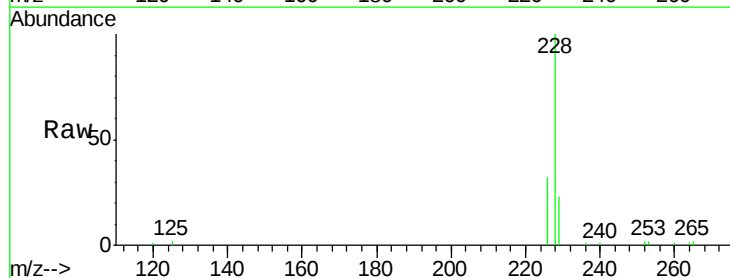
Tgt Ion:228 Resp: 19547

Ion Ratio Lower Upper

228 100

226 32.2 23.4 35.0

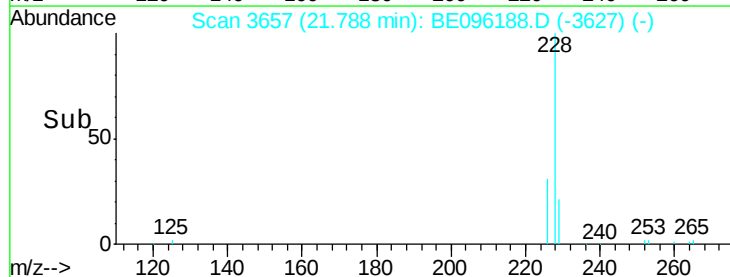
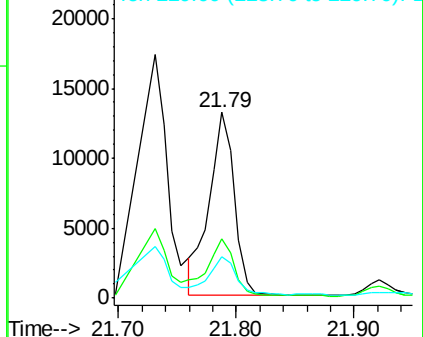
229 22.6 17.7 26.5

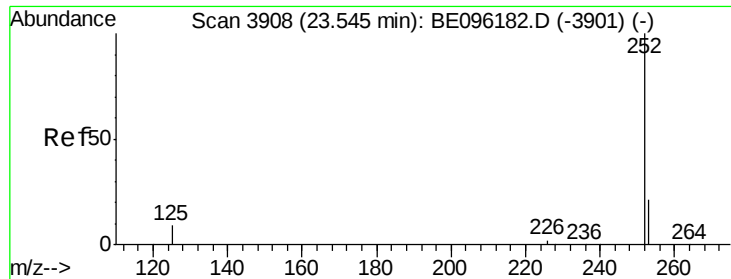


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 36.067 ng/ul

RT: 23.76 min Scan# 3937

Delta R.T. 0.21 min

Lab File: BE096188.D

Acq: 26 Apr 2018 20:32

Instrument :

BNA_E

ClientSampleId :

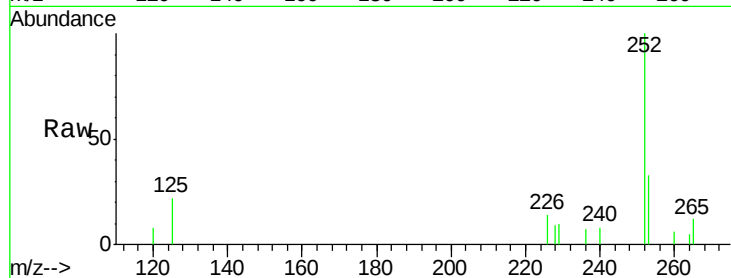
Tot Ion:252 Resp: 4097

Ion Ratio Lower Upper

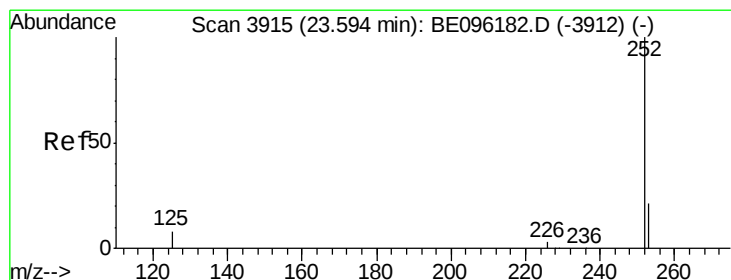
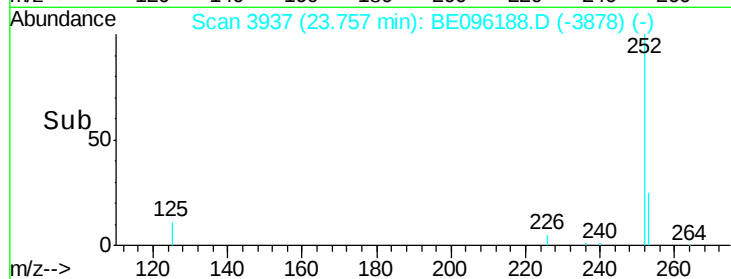
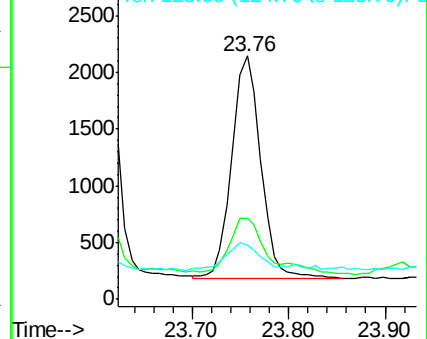
252 100

253 33.4 0.0 64.2

125 22.3 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: 37.728 ng/ul

RT: 23.76 min Scan# 3937

Delta R.T. 0.16 min

Lab File: BE096188.D

Acq: 26 Apr 2018 20:32

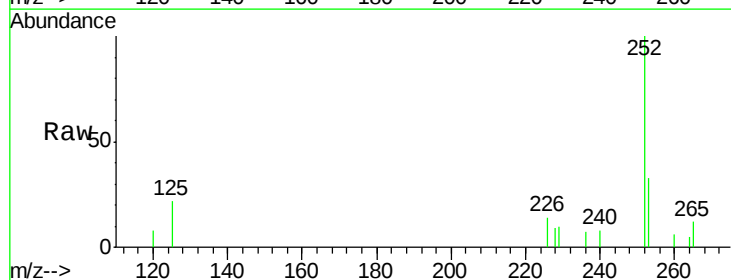
Tgt Ion:252 Resp: 4097

Ion Ratio Lower Upper

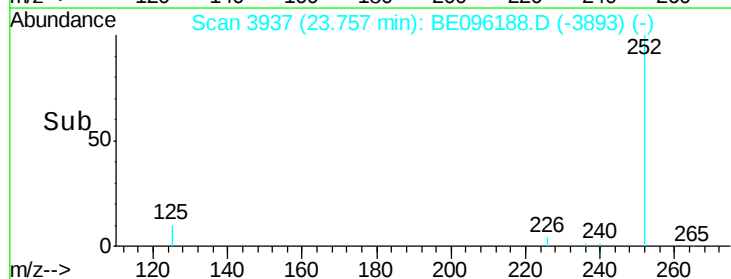
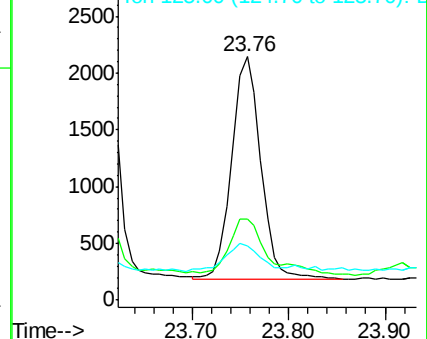
252 100

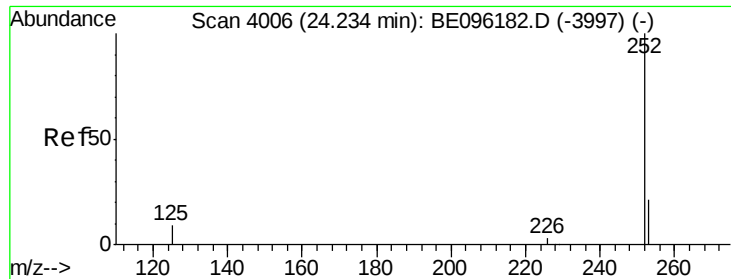
253 33.4 24.5 36.7

125 22.3 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: 54.283 ng/ul

RT: 24.42 min Scan# 4031

Delta R.T. 0.18 min

Lab File: BE096188.D

Acq: 26 Apr 2018 20:32

Instrument :

BNA_E

ClientSampleId :

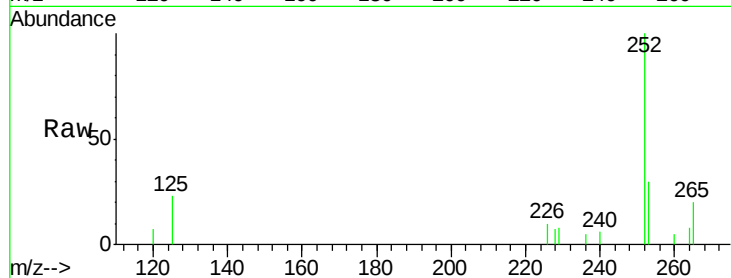
Tot Ion:252 Resp: 5357

Ion Ratio Lower Upper

252 100

253 30.0 28.5 42.7

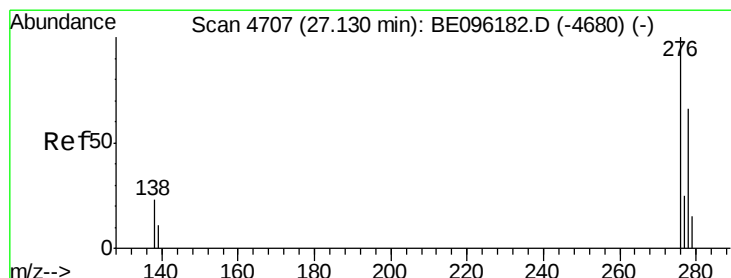
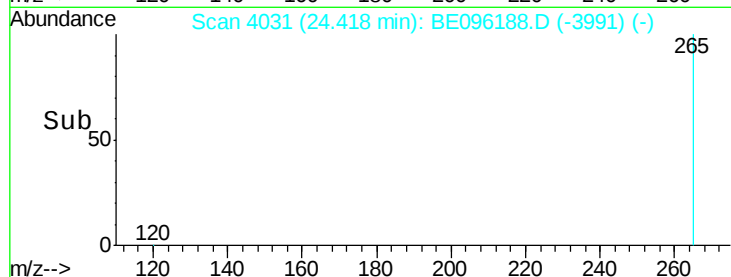
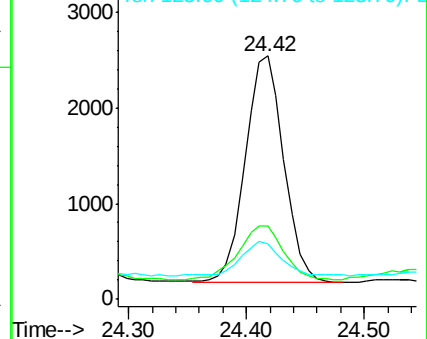
125 23.0 18.1 27.1



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: 93.681 ng/ul

RT: 27.14 min Scan# 4709

Delta R.T. 0.01 min

Lab File: BE096188.D

Acq: 26 Apr 2018 20:32

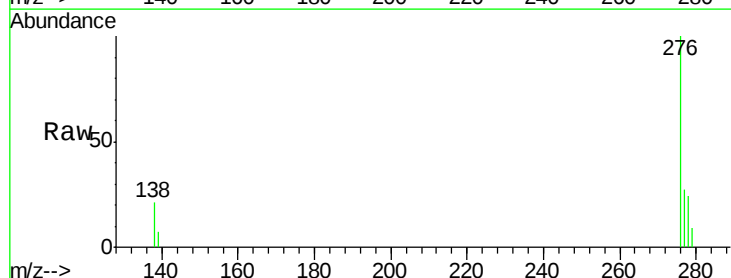
Tgt Ion:276 Resp: 12457

Ion Ratio Lower Upper

276 100

138 19.4 28.0 42.0#

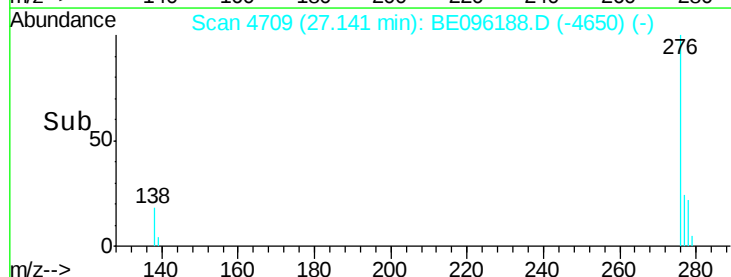
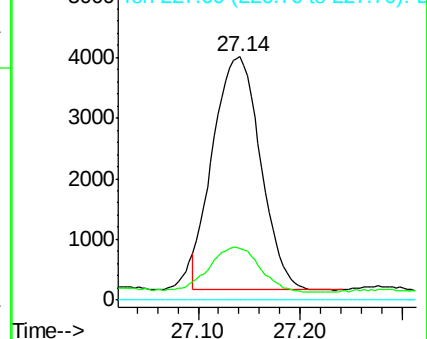
227 0.0 8.0 12.0#

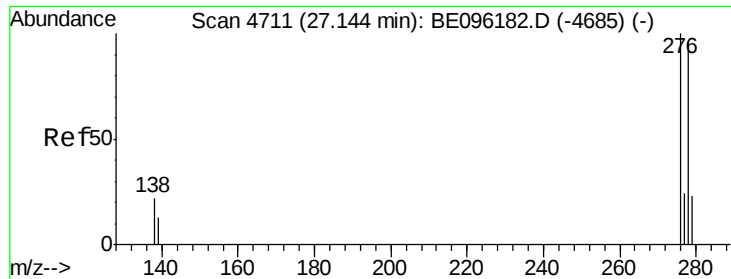


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



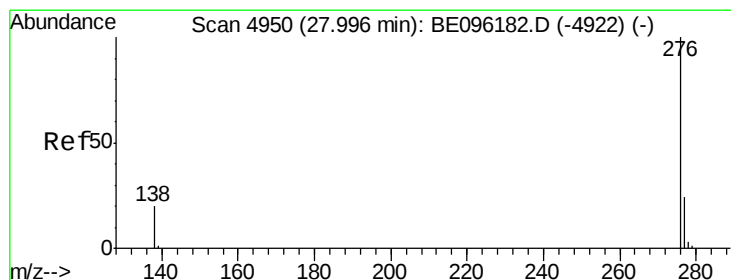
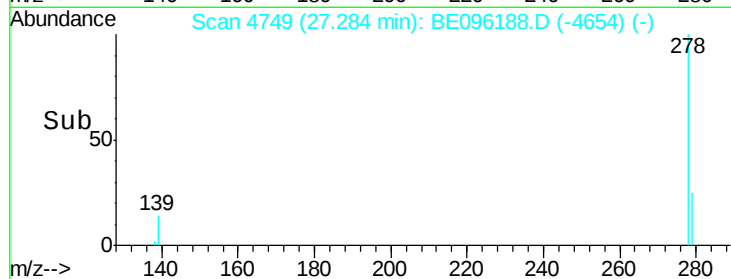
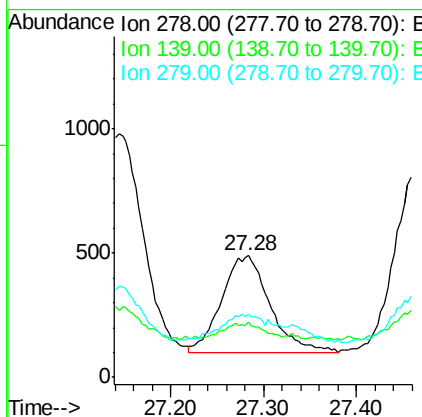
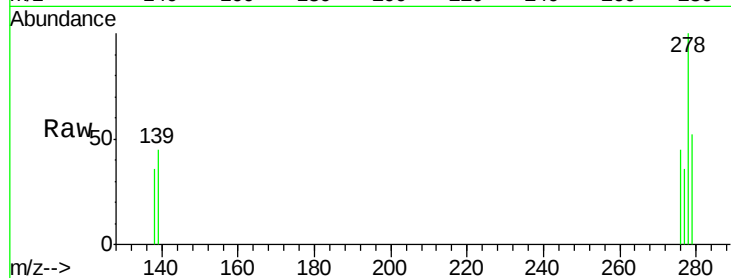


#25

Dibenzo(a,h)anthracene
 Concen: 12.467 ng/ul
 RT: 27.28 min Scan# 4749
 Delta R.T. 0.14 min
 Lab File: BE096188.D
 Acq: 26 Apr 2018 20:32

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:278 Resp: 1388
 Ion Ratio Lower Upper
 278 100
 139 45.2 17.4 26.0#
 279 51.9 25.9 38.9#



#26

Benzo(g,h,i)perylene
 Concen: 88.142 ng/ul
 RT: 28.01 min Scan# 4953
 Delta R.T. 0.01 min
 Lab File: BE096188.D
 Acq: 26 Apr 2018 20:32

Tgt Ion:276 Resp: 10202
 Ion Ratio Lower Upper
 276 100
 138 22.9 21.8 32.8
 277 26.7 20.5 30.7

