

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\
 Data File : BE096168.D
 Acq On : 26 Apr 2018 3:20
 Operator : SJ/JU
 Sample : J2431-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 26 06:41:46 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 26 06:40:54 2018
 Response via : Initial Calibration

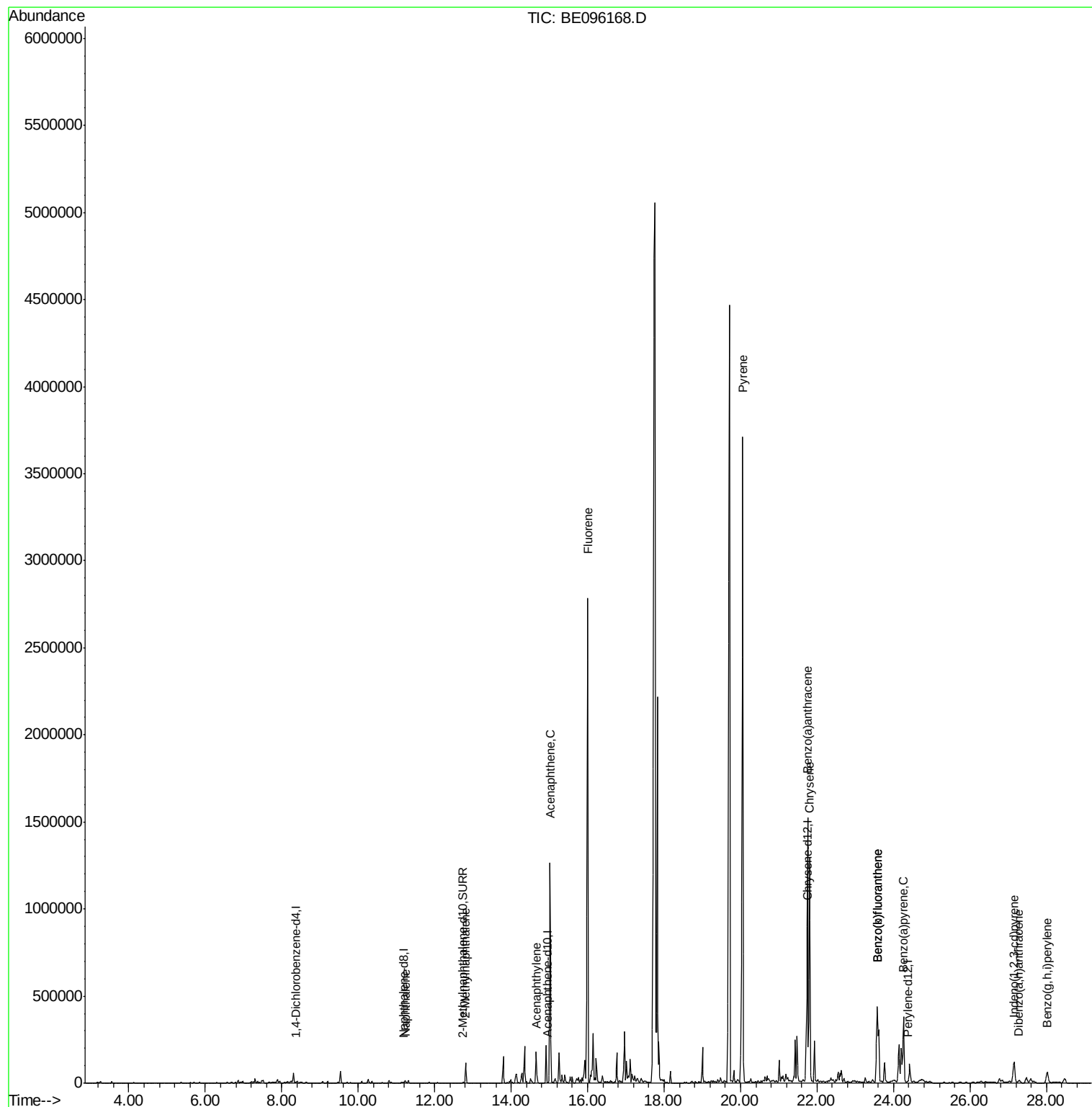
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	833	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	3603	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	2061	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.66
16) Chrysene-d12	21.77	240	6749	0.40	ng/ul	0.02
20) Perylene-d12	24.37	264	5088	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	1986	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	4301	0.00	ng/ul	0.01
Target Compounds				Ovalue		
3) Naphthalene	11.23	128	23004	2.293	ng/ul#	90
5) 2-Methylnaphthalene	12.81	142	93397	13.895	ng/ul	100
7) Acenaphthylene	14.68	152	43707	4.114	ng/ul#	89
8) Acenaphthene	15.02	153	739095	96.481	ng/ul	92
9) Fluorene	16.00	166	2079821	205.193	ng/ul#	91
17) Pyrene	20.06	202	5898984	435.685	ng/ul#	79
18) Benzo(a)anthracene	21.75	228	1700873	83.243	ng/ul#	85
19) Chrysene	21.81	228	1274461	67.878	ng/ul	96
21) Benzo(b)fluoranthene	23.57	252	1259903	65.396	ng/ul	82
22) Benzo(k)fluoranthene	23.57	252	1259903	68.408	ng/ul#	84
23) Benzo(a)pyrene	24.27	252	624780	37.329	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	27.15	276	220323	9.770	ng/ul#	73
25) Dibenzo(a,h)anthracene	27.28	278	21754	1.152	ng/ul	95
26) Benzo(g,h,i)perylene	28.02	276	160372	8.170	ng/ul#	91

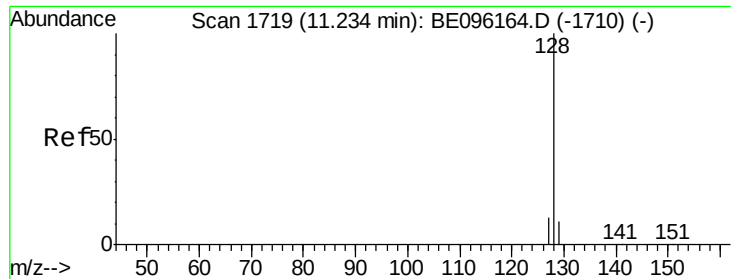
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.293 ng/ul

RT: 11.23 min Scan# 1718

Delta R.T. 0.00 min

Lab File: BE096168.D

Acq: 26 Apr 2018 3:20

Instrument :

BNA_E

ClientSampleId :

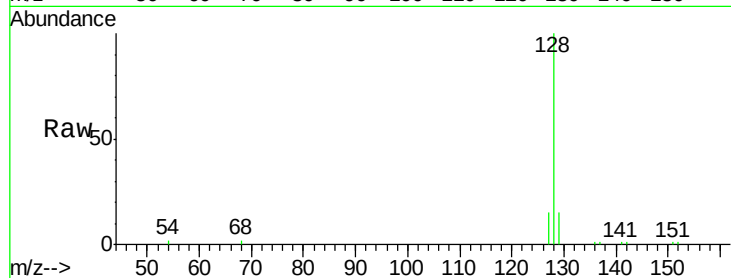
Tot Ion:128 Resp: 23004

Ion Ratio Lower Upper

128 100

129 15.4 11.3 16.9

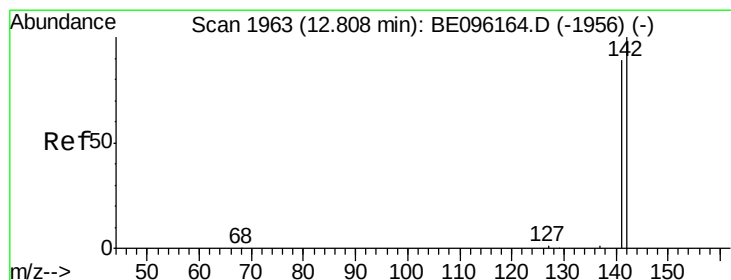
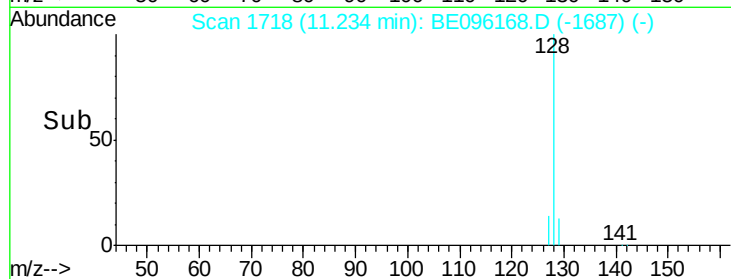
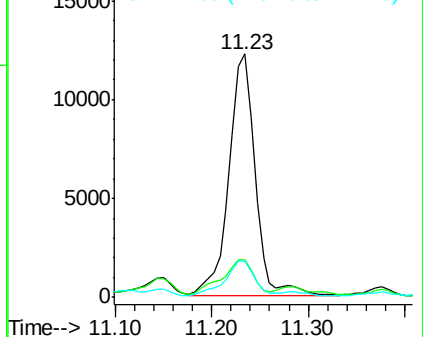
127 15.0 4.0 6.0#



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: 13.895 ng/ul

RT: 12.81 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BE096168.D

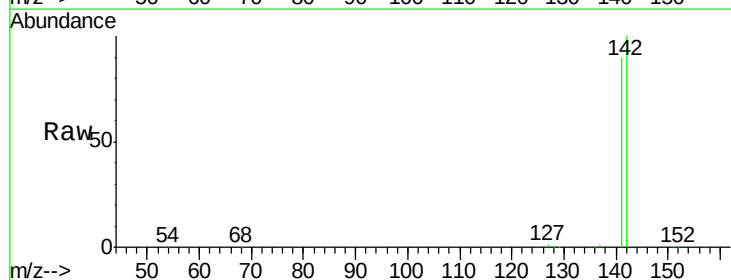
Acq: 26 Apr 2018 3:20

Tgt Ion:142 Resp: 93397

Ion Ratio Lower Upper

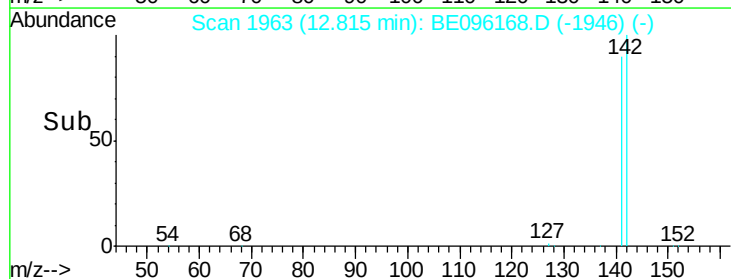
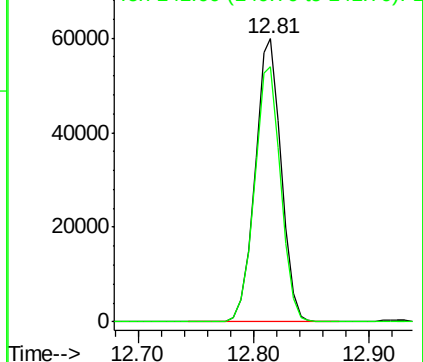
142 100

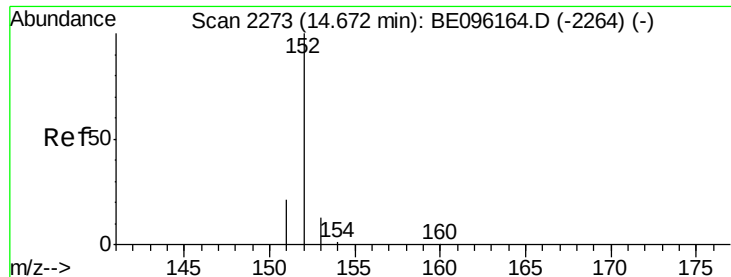
141 91.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 4.114 ng/ul

RT: 14.68 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BE096168.D

Acq: 26 Apr 2018 3:20

Instrument :

BNA_E

ClientSampleId :

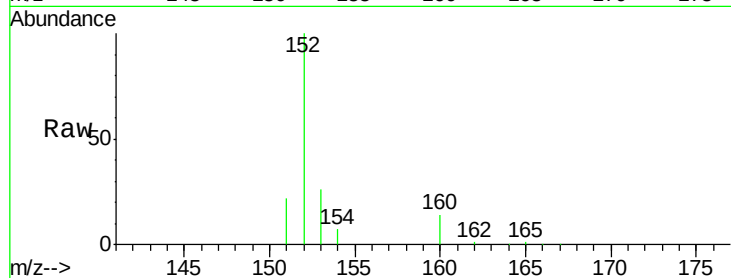
Tot Ion:152 Resp: 43707

Ion Ratio Lower Upper

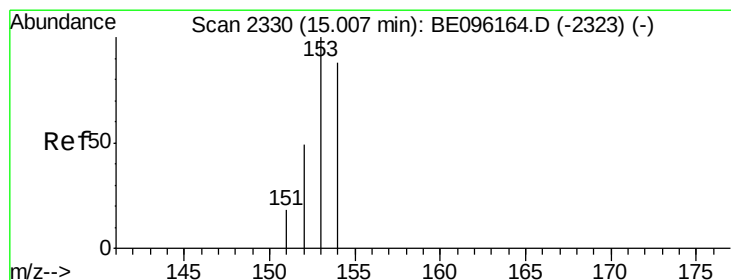
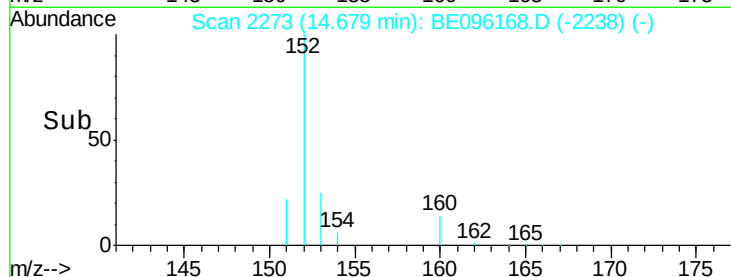
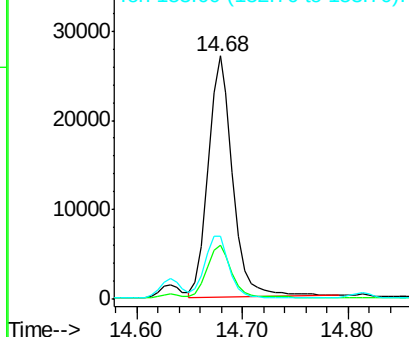
152 100

151 22.2 17.1 25.7

153 25.8 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: 96.481 ng/ul

RT: 15.02 min Scan# 2331

Delta R.T. 0.01 min

Lab File: BE096168.D

Acq: 26 Apr 2018 3:20

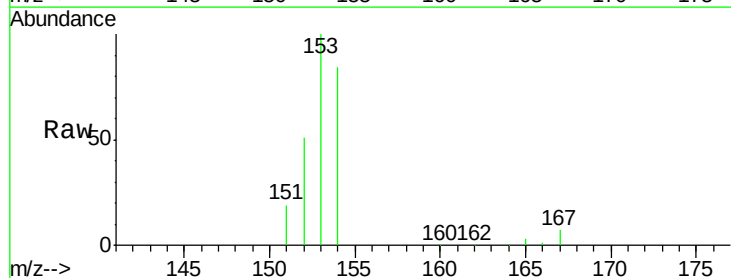
Tgt Ion:153 Resp: 739095

Ion Ratio Lower Upper

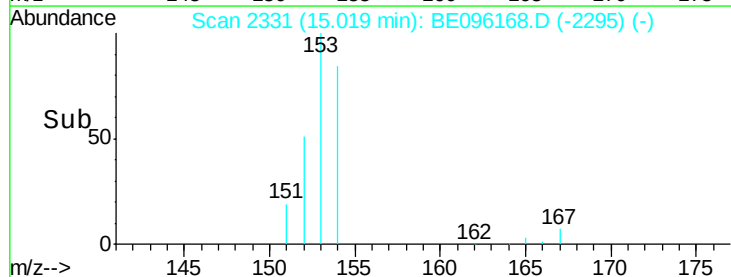
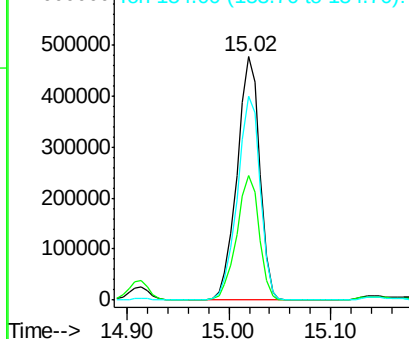
153 100

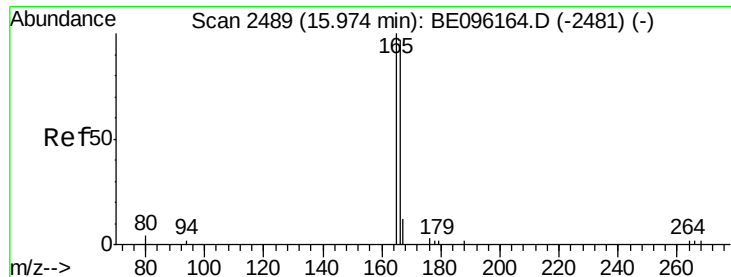
152 51.0 36.0 54.0

154 83.7 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: 205.193 ng/ul

RT: 16.00 min Scan# 2492

Delta R.T. 0.03 min

Lab File: BE096168.D

Acq: 26 Apr 2018 3:20

Instrument :

BNA_E

ClientSampleId :

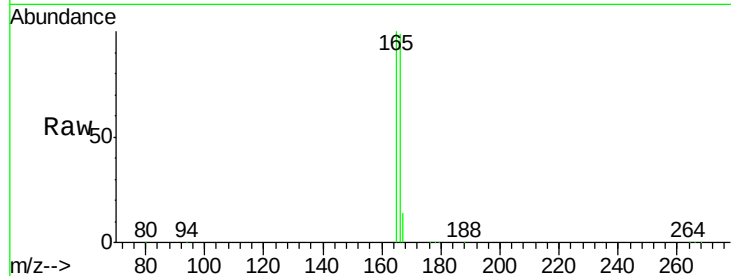
Tot Ion:166 Resp: 2079821

Ion Ratio Lower Upper

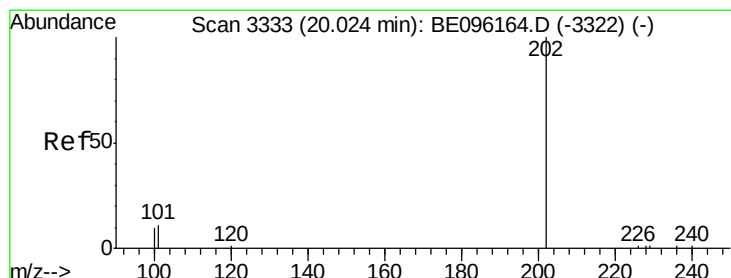
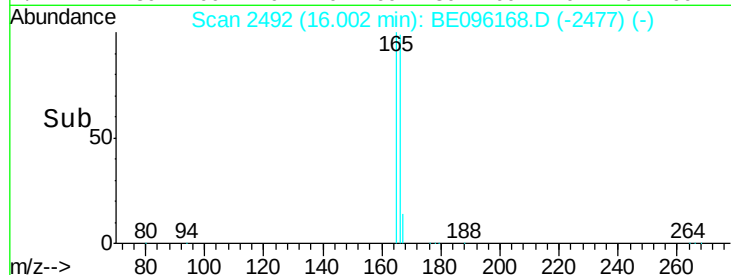
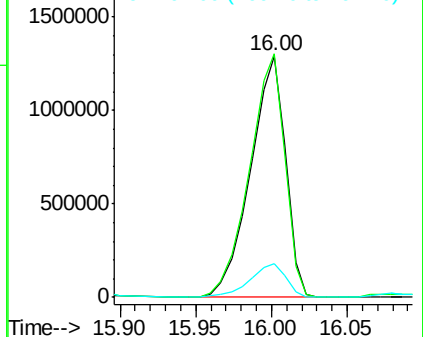
166 100

165 100.8 73.4 110.2

167 14.2 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: 435.685 ng/ul

RT: 20.06 min Scan# 3340

Delta R.T. 0.04 min

Lab File: BE096168.D

Acq: 26 Apr 2018 3:20

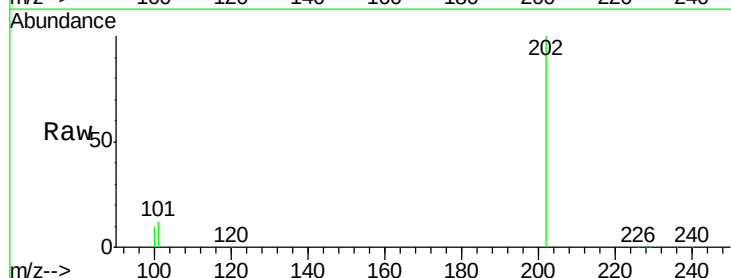
Tgt Ion:202 Resp: 5898984

Ion Ratio Lower Upper

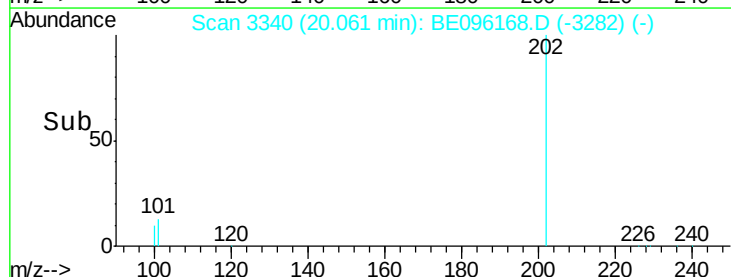
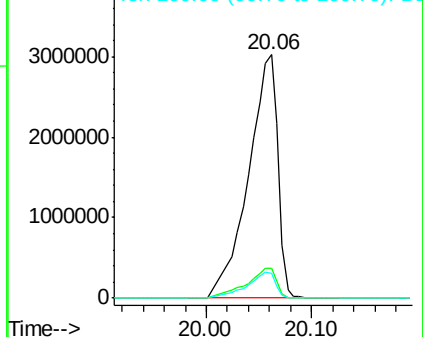
202 100

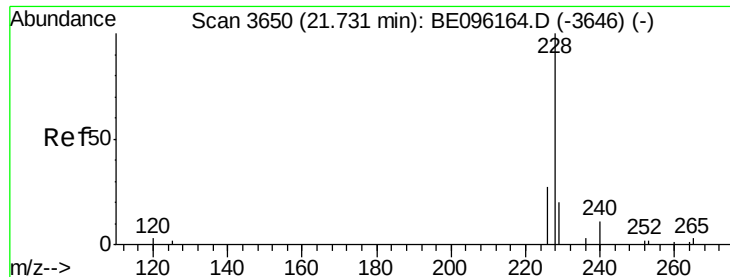
101 12.5 18.2 27.4#

100 10.1 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: 83.243 ng/ul

RT: 21.75 min Scan# 3653

Delta R.T. 0.02 min

Lab File: BE096168.D

Acq: 26 Apr 2018 3:20

Instrument :

BNA_E

ClientSampleId :

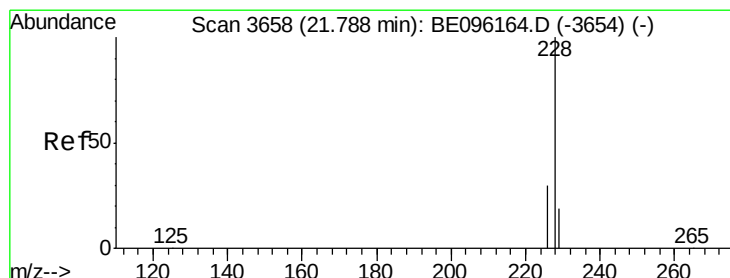
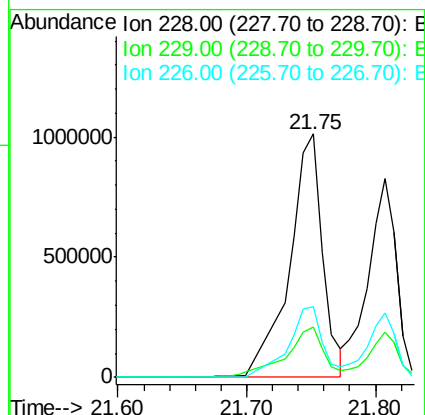
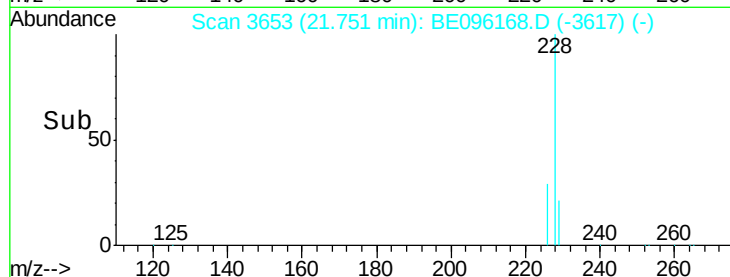
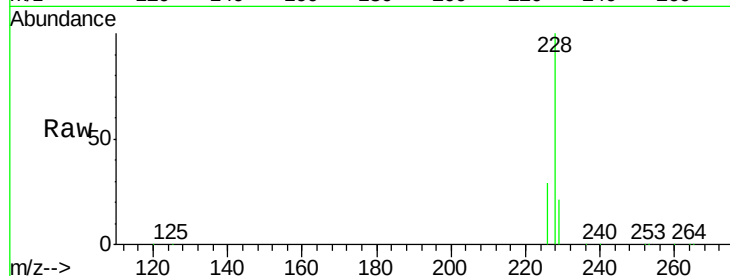
Tot Ion:228 Resp: 1700873

Ion Ratio Lower Upper

228 100

229 20.8 22.8 34.2#

226 29.0 17.0 25.6#



#19

Chrysene

Concen: 67.878 ng/ul

RT: 21.81 min Scan# 3661

Delta R.T. 0.02 min

Lab File: BE096168.D

Acq: 26 Apr 2018 3:20

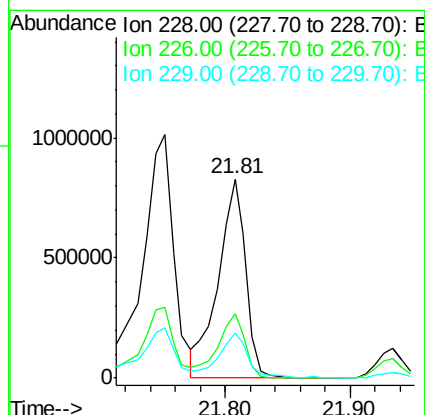
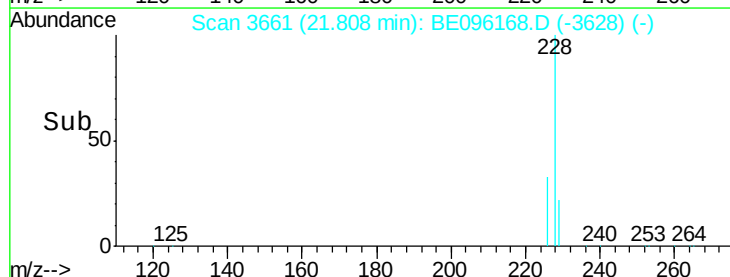
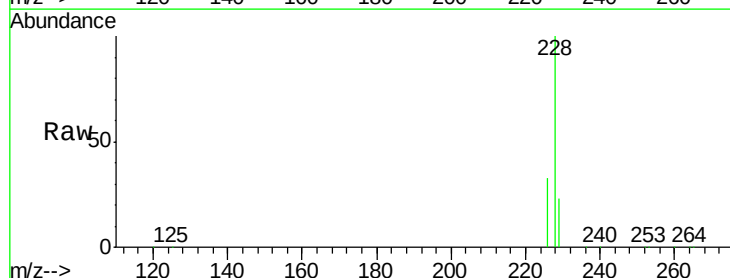
Tgt Ion:228 Resp: 1274461

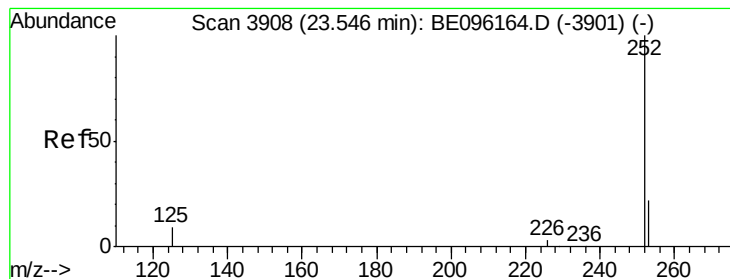
Ion Ratio Lower Upper

228 100

226 32.5 23.4 35.0

229 22.7 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 65.396 ng/ul

RT: 23.57 min Scan# 3912

Delta R.T. 0.03 min

Lab File: BE096168.D

Acq: 26 Apr 2018 3:20

Instrument :

BNA_E

ClientSampleId :

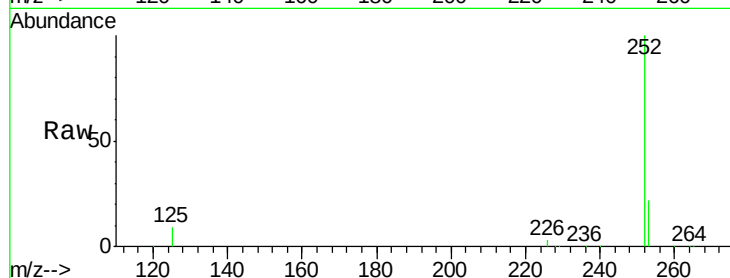
Tot Ion:252 Resp: 1259903

Ion Ratio Lower Upper

252 100

253 22.5 0.0 64.2

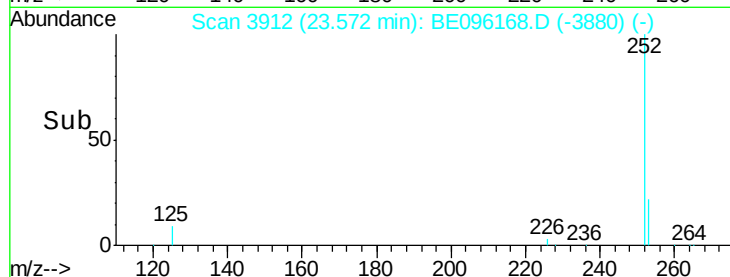
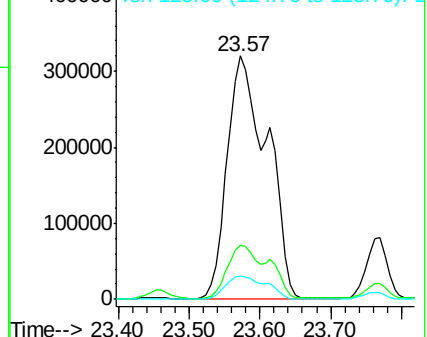
125 9.5 0.0 35.0



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: 68.408 ng/ul

RT: 23.57 min Scan# 3912

Delta R.T. -0.02 min

Lab File: BE096168.D

Acq: 26 Apr 2018 3:20

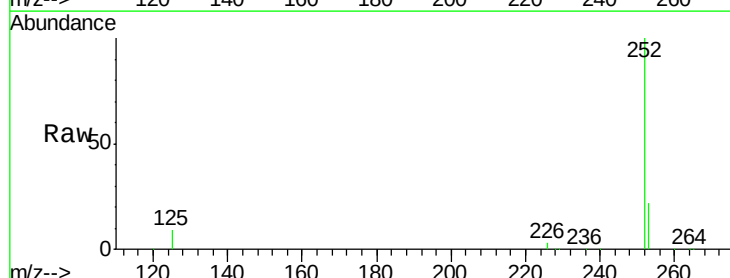
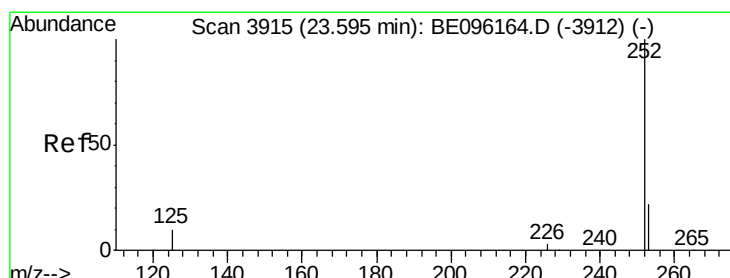
Tgt Ion:252 Resp: 1259903

Ion Ratio Lower Upper

252 100

253 22.5 24.5 36.7#

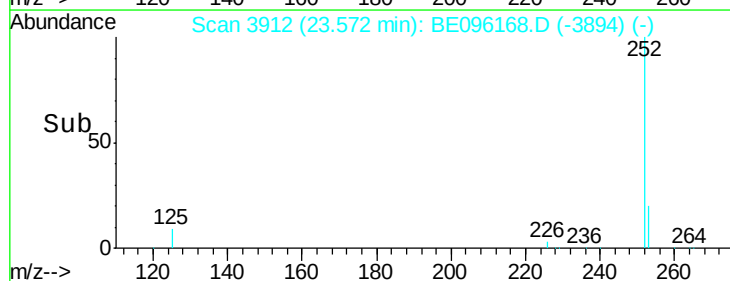
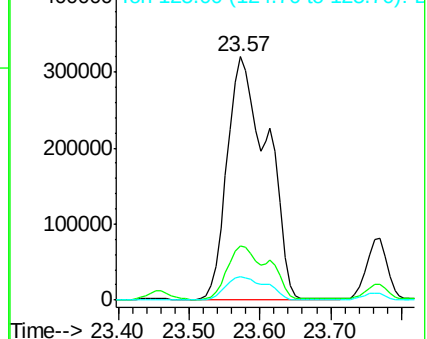
125 9.5 13.7 20.5#

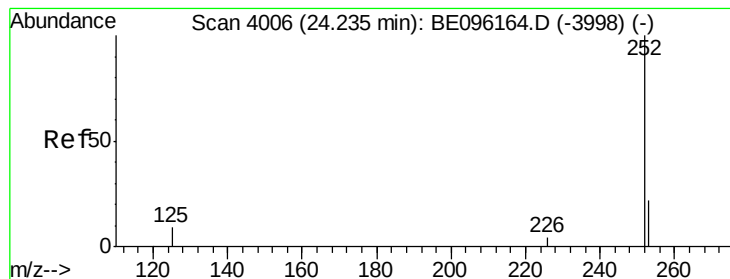


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 37.329 ng/ul

RT: 24.27 min Scan# 4011

Delta R.T. 0.03 min

Lab File: BE096168.D

Acq: 26 Apr 2018 3:20

Instrument :

BNA_E

ClientSampleId :

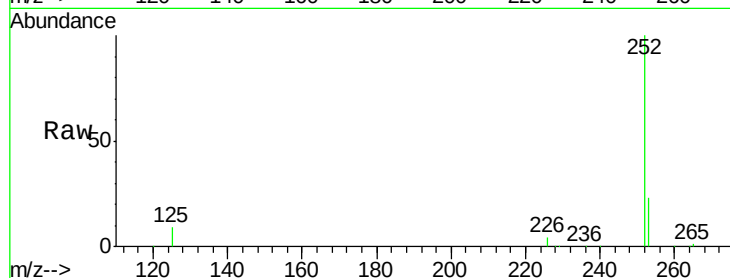
Tot Ion:252 Resp: 624780

Ion Ratio Lower Upper

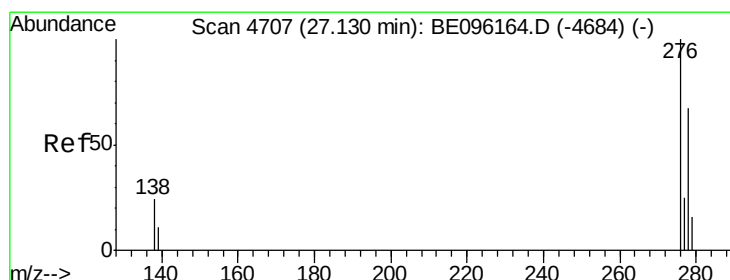
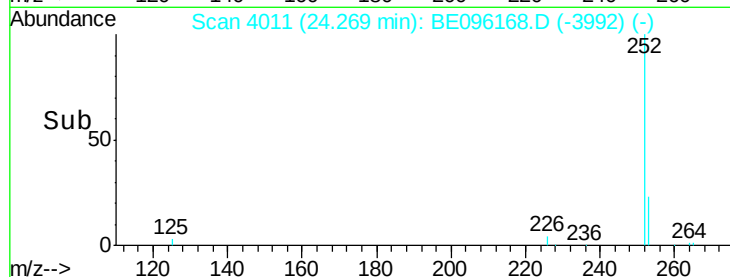
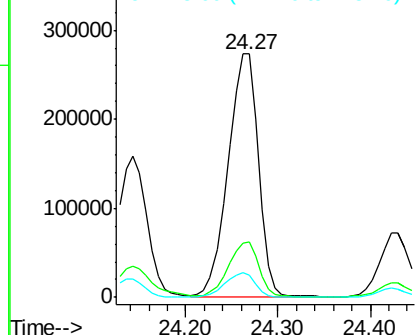
252 100

253 22.6 28.5 42.7#

125 8.9 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: 9.770 ng/ul

RT: 27.15 min Scan# 4714

Delta R.T. 0.02 min

Lab File: BE096168.D

Acq: 26 Apr 2018 3:20

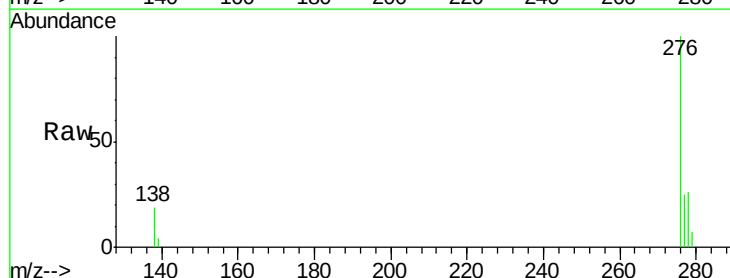
Tgt Ion:276 Resp: 220323

Ion Ratio Lower Upper

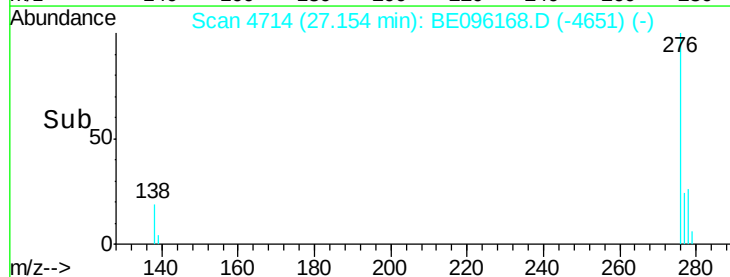
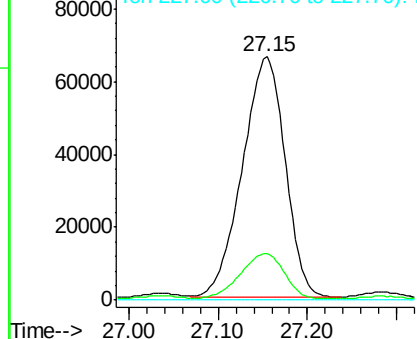
276 100

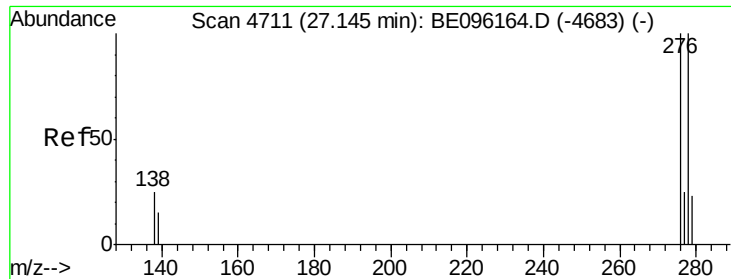
138 19.6 28.0 42.0#

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



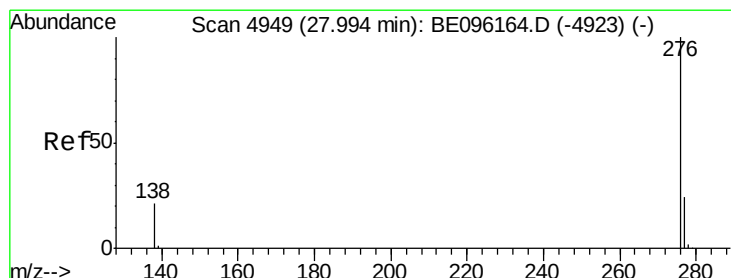
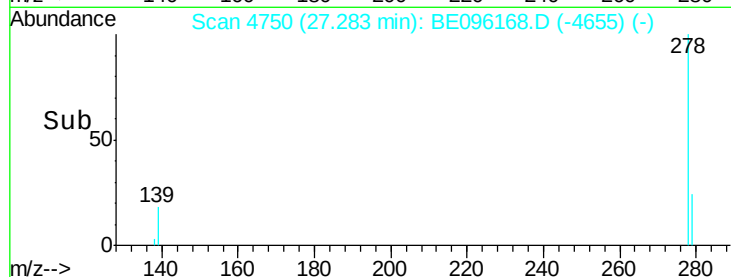
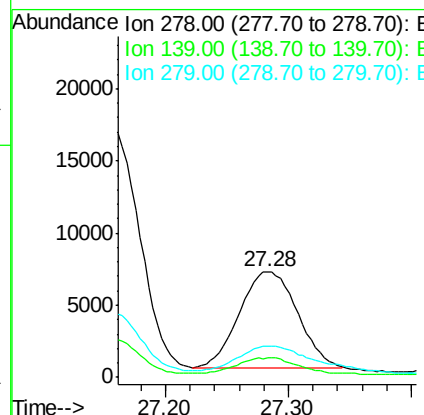
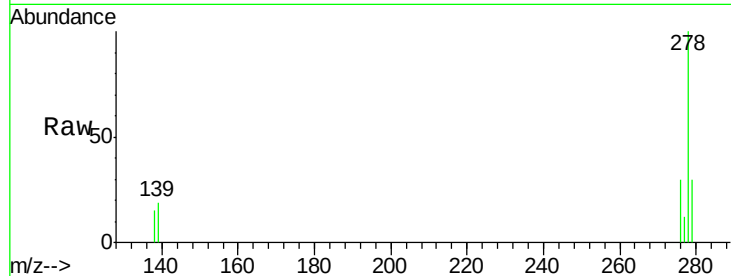


#25
Dibenzo(a,h)anthracene
Concen: 1.152 ng/ul
RT: 27.28 min Scan# 4750
Delta R.T. 0.14 min
Lab File: BE096168.D
Acq: 26 Apr 2018 3:20

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 21754

Ion	Ratio	Lower	Upper
278	100		
139	19.1	17.4	26.0
279	29.5	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 8.170 ng/ul
RT: 28.02 min Scan# 4957
Delta R.T. 0.03 min
Lab File: BE096168.D
Acq: 26 Apr 2018 3:20

Tgt Ion:276 Resp: 160372

Ion	Ratio	Lower	Upper
276	100		
138	20.0	21.8	32.8#
277	24.1	20.5	30.7

