

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\
 Data File : BE096156.D
 Acq On : 25 Apr 2018 20:04
 Operator : SJ/JU
 Sample : J2467-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 26 05:07:46 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 05:06:09 2018
 Response via : Initial Calibration

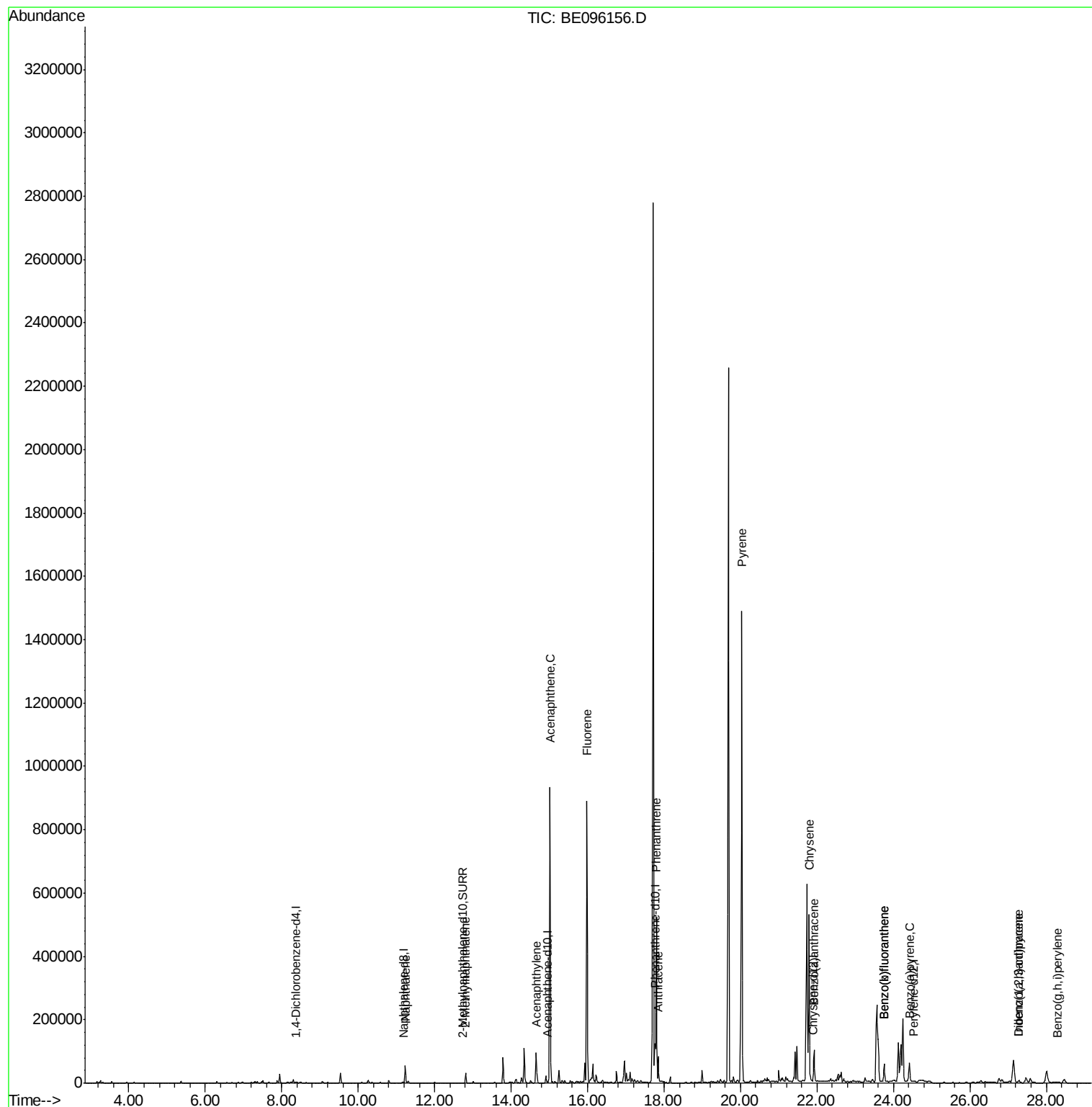
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	800	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	3492	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	2284	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.76	188	163173	0.40	ng/ul	0.11
16) Chrysene-d12	21.89	240	407	0.40	ng/ul	0.15
20) Perylene-d12	24.53	264	717	0.40	ng/ul	0.18
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	891	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.80	212	188	0.00	ng/ul	0.16
Target Compounds						
					Ovalue	
3) Naphthalene	11.23	128	77019	7.921	ng/ul#	88
5) 2-Methylnaphthalene	12.81	142	26285	4.035	ng/ul	100
7) Acenaphthylene	14.68	152	37262	3.165	ng/ul	98
8) Acenaphthene	15.01	153	571184	67.282	ng/ul	94
9) Fluorene	15.98	166	627175	55.835	ng/ul#	89
12) Phenanthrene	17.80	178	532512	1.108	ng/ul#	89
13) Anthracene	17.85	178	24081	0.050	ng/ul#	1
17) Pyrene	20.03	202	1744205	2136.182	ng/ul#	77
18) Benzo(a)anthracene	21.92	228	78059	63.350	ng/ul#	49
19) Chrysene	21.79	228	525711	464.299	ng/ul	97
21) Benzo(b)fluoranthene	23.76	252	81859	30.151	ng/ul	87
22) Benzo(k)fluoranthene	23.76	252	81859	31.540	ng/ul#	89
23) Benzo(a)pyrene	24.42	252	90356	38.309	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	27.28	276	3399	1.070	ng/ul#	82
25) Dibenzo(a,h)anthracene	27.28	278	13068	4.911	ng/ul	96
26) Benzo(a,h,i)perylene	28.28	276	3849	1.391	ng/ul#	60

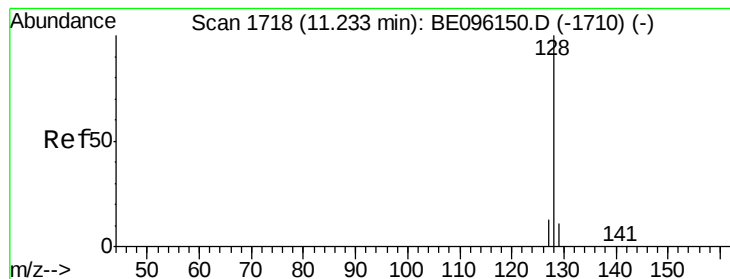
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 7.921 ng/ul

RT: 11.23 min Scan# 1718

Delta R.T. -0.00 min

Lab File: BE096156.D

Acq: 25 Apr 2018 20:04

Instrument :

BNA_E

ClientSampleId :

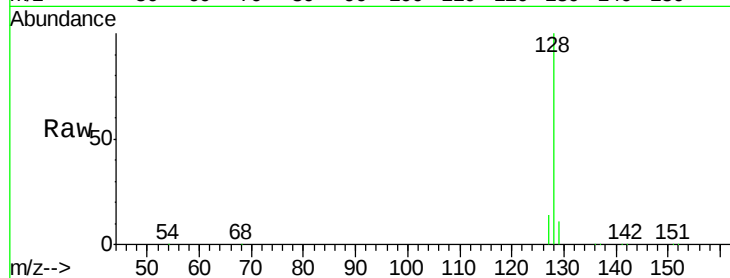
Tot Ion:128 Resp: 77019

Ion Ratio Lower Upper

128 100

129 11.4 11.3 16.9

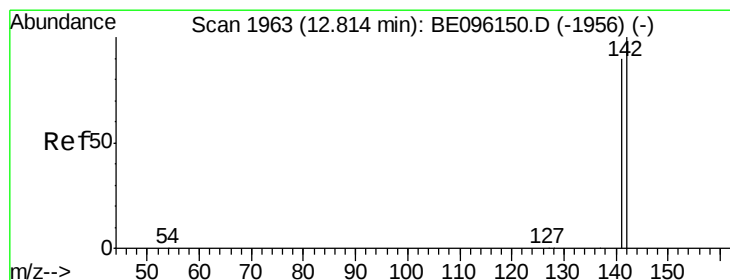
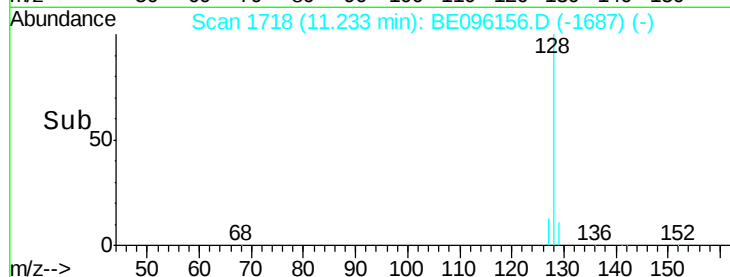
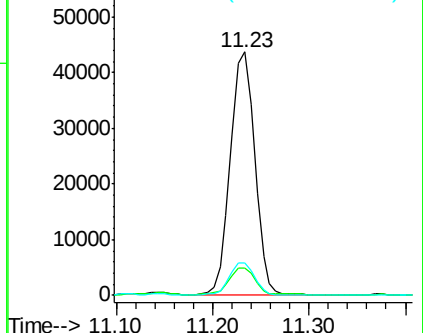
127 13.5 4.0 6.0#



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: 4.035 ng/ul

RT: 12.81 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BE096156.D

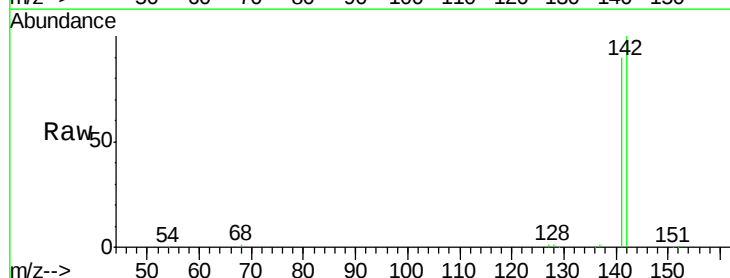
Acq: 25 Apr 2018 20:04

Tgt Ion:142 Resp: 26285

Ion Ratio Lower Upper

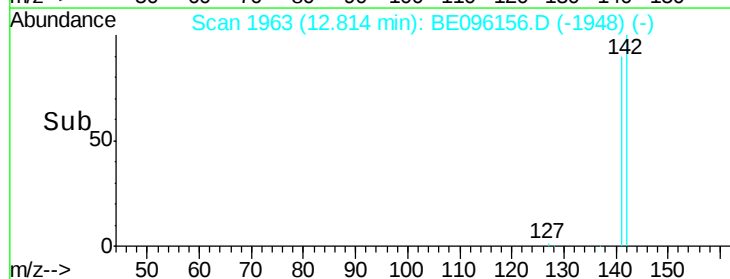
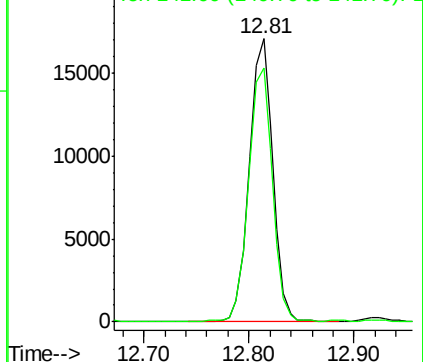
142 100

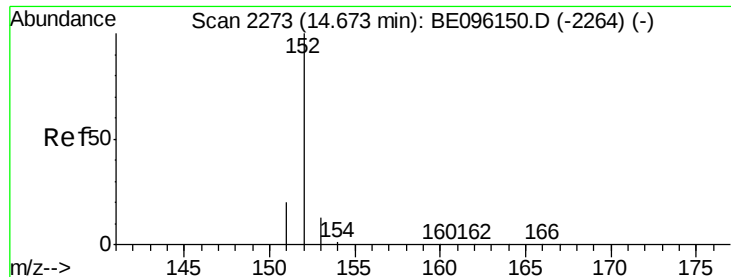
141 91.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.165 ng/ul

RT: 14.68 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BE096156.D

Acq: 25 Apr 2018 20:04

Instrument :

BNA_E

ClientSampleId :

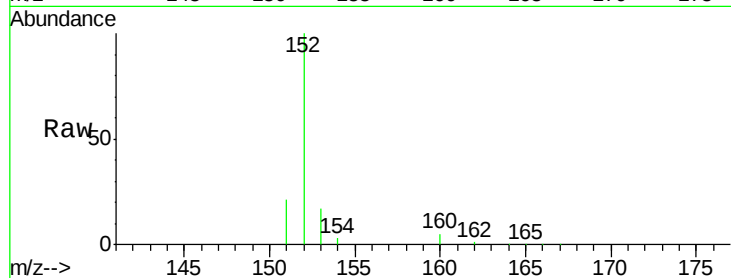
Tot Ion:152 Resp: 37262

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

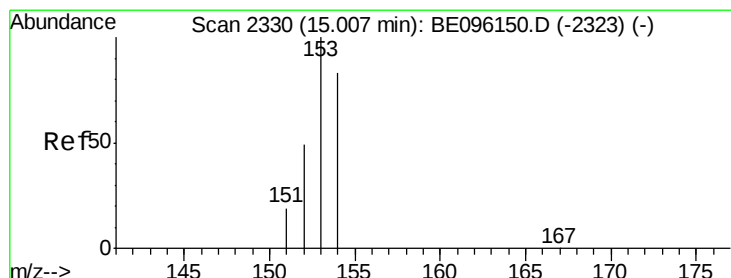
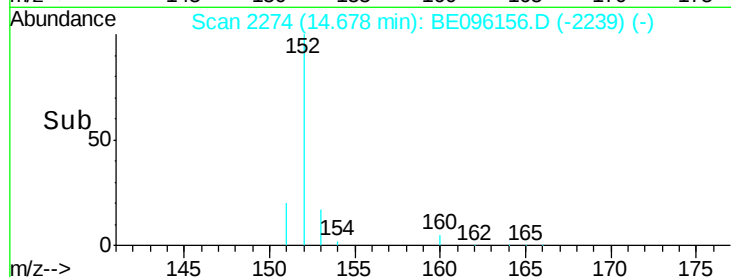
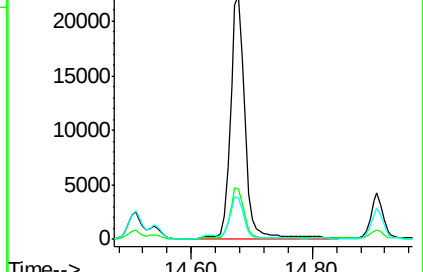
153 17.0 12.8 19.2



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



#8

Acenaphthene

Concen: 67.282 ng/ul

RT: 15.01 min Scan# 2331

Delta R.T. 0.01 min

Lab File: BE096156.D

Acq: 25 Apr 2018 20:04

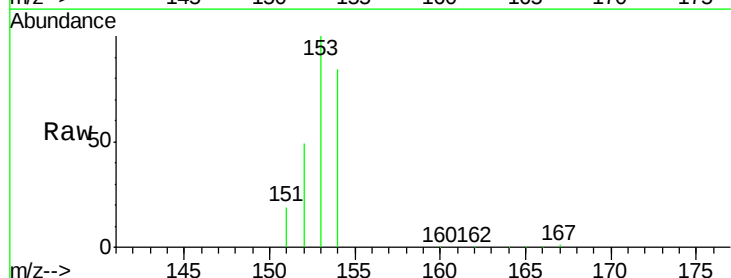
Tgt Ion:153 Resp: 571184

Ion Ratio Lower Upper

153 100

152 49.4 36.0 54.0

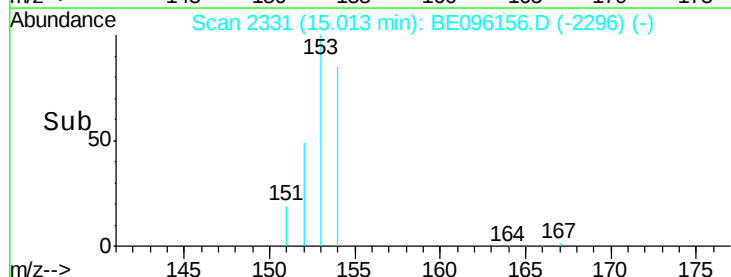
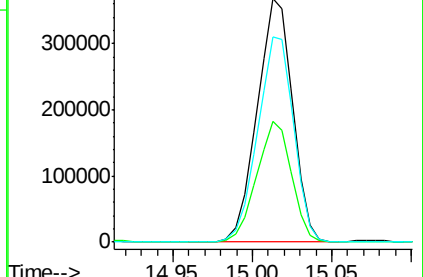
154 84.5 72.0 108.0

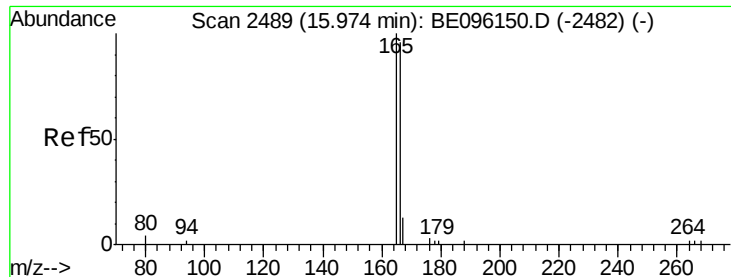


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 55.835 ng/ul

RT: 15.98 min Scan# 2490

Delta R.T. 0.01 min

Lab File: BE096156.D

Acq: 25 Apr 2018 20:04

Instrument :

BNA_E

ClientSampleId :

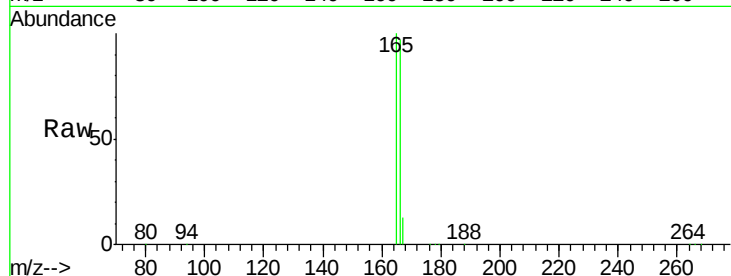
Tot Ion:166 Resp: 627175

Ion Ratio Lower Upper

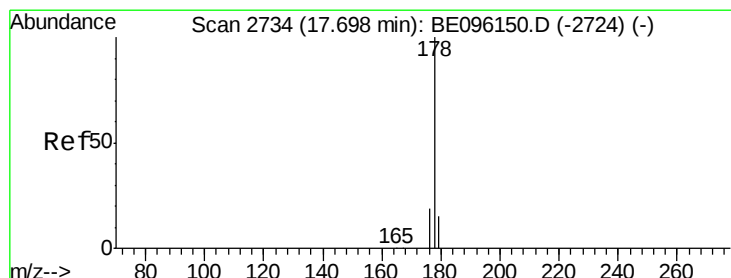
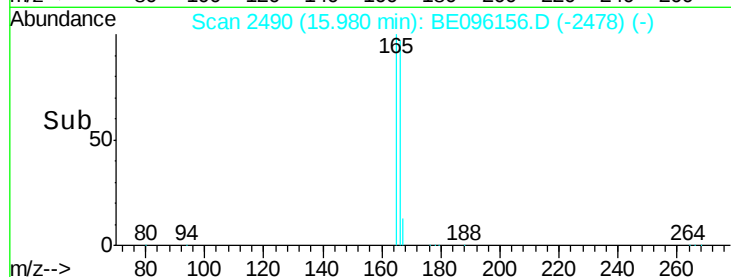
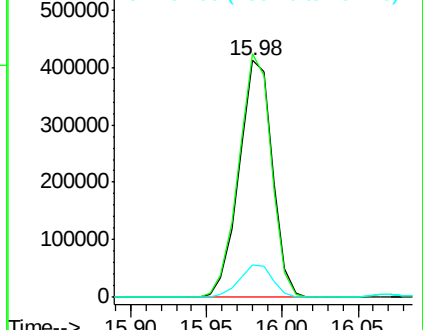
166 100

165 102.8 73.4 110.2

167 13.5 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



#12

Phenanthrene

Concen: 1.108 ng/ul

RT: 17.80 min Scan# 2748

Delta R.T. 0.10 min

Lab File: BE096156.D

Acq: 25 Apr 2018 20:04

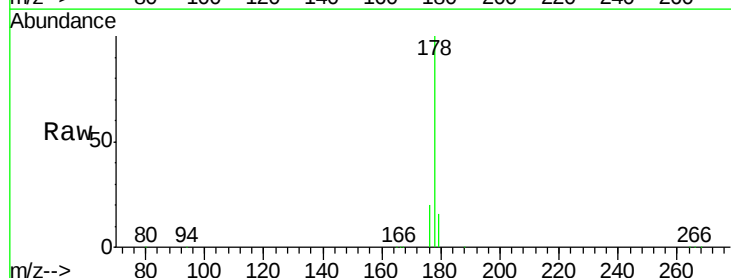
Tgt Ion:178 Resp: 532512

Ion Ratio Lower Upper

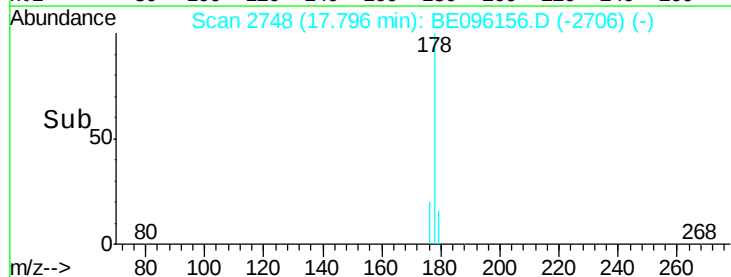
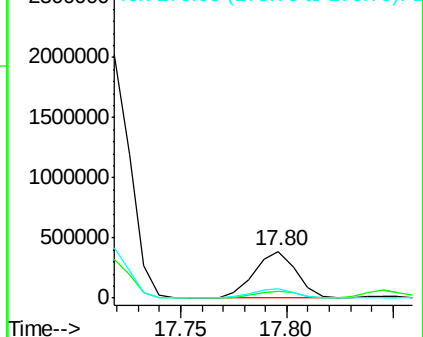
178 100

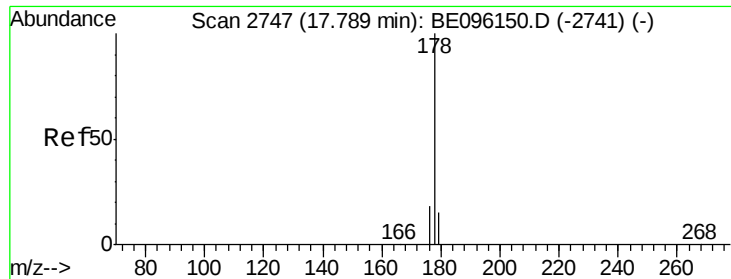
179 15.6 18.4 27.6#

176 19.6 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





#13

Anthracene

Concen: 0.050 ng/ul

RT: 17.85 min Scan# 2755

Delta R.T. 0.06 min

Lab File: BE096156.D

Acq: 25 Apr 2018 20:04

Instrument :

BNA_E

ClientSampleId :

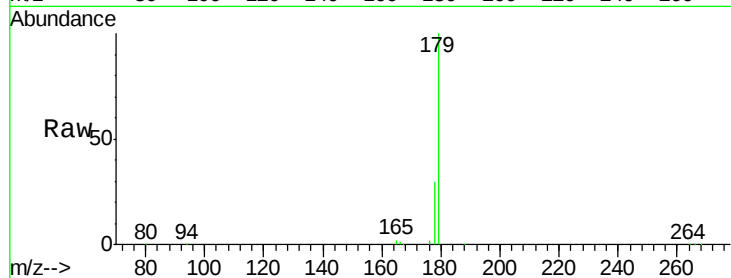
Tot Ion:178 Resp: 24081

Ion Ratio Lower Upper

178 100

179 333.1 18.1 27.1#

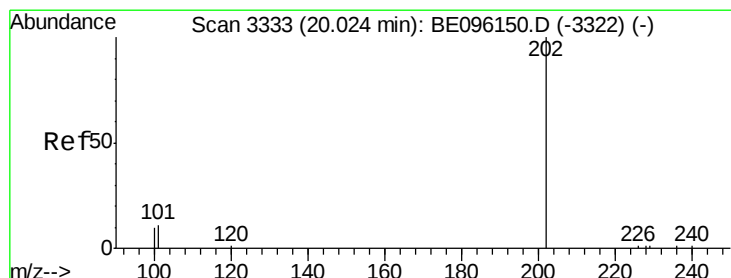
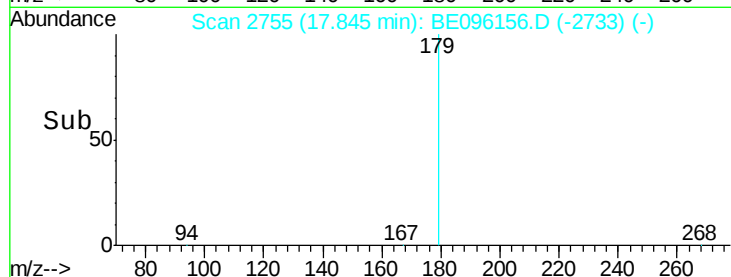
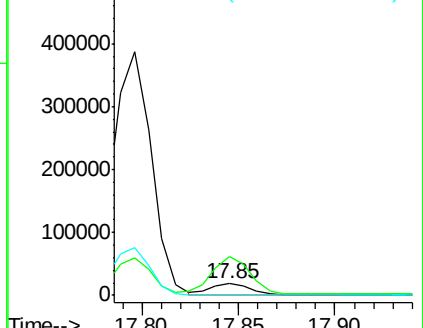
176 8.3 14.7 22.1#



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



#17

Pyrene

Concen: 2136.182 ng/ul

RT: 20.03 min Scan# 3335

Delta R.T. 0.01 min

Lab File: BE096156.D

Acq: 25 Apr 2018 20:04

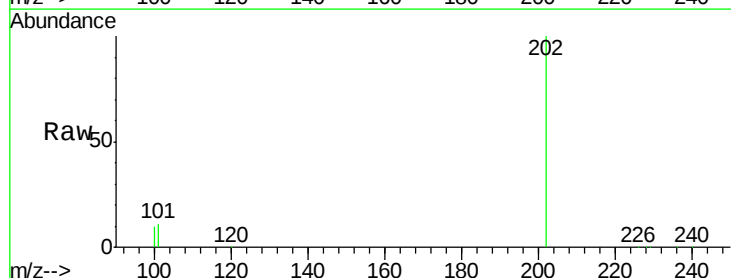
Tgt Ion:202 Resp: 1744205

Ion Ratio Lower Upper

202 100

101 10.6 18.2 27.4#

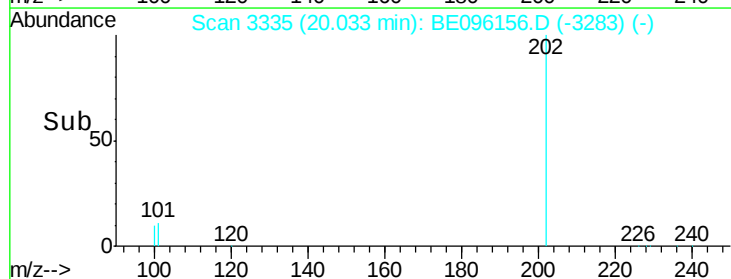
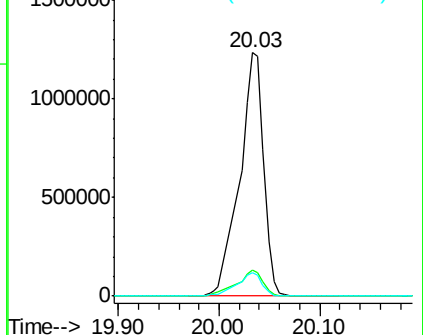
100 9.9 15.6 23.4#

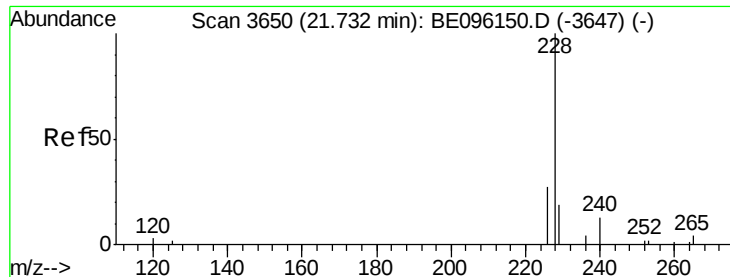


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#18

Benzo(a)anthracene

Concen: 63.350 ng/ul

RT: 21.92 min Scan# 3677

Delta R.T. 0.19 min

Lab File: BE096156.D

Acq: 25 Apr 2018 20:04

Instrument :

BNA_E

ClientSampleId :

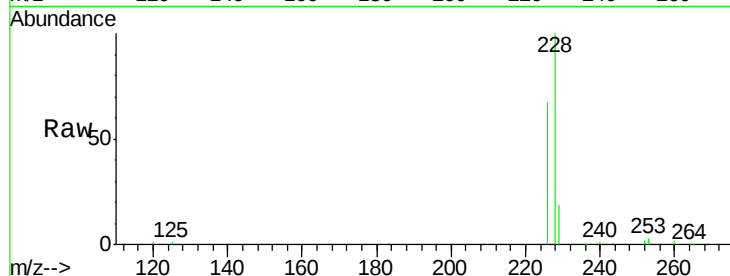
Tot Ion:228 Resp: 78059

Ion Ratio Lower Upper

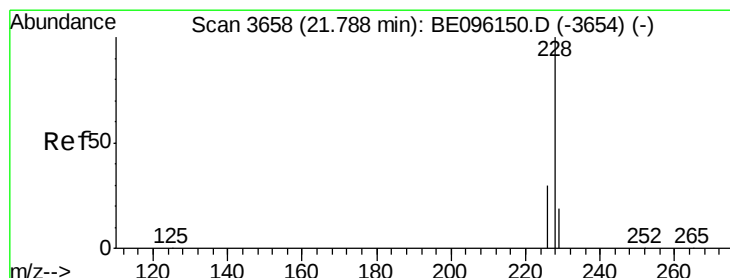
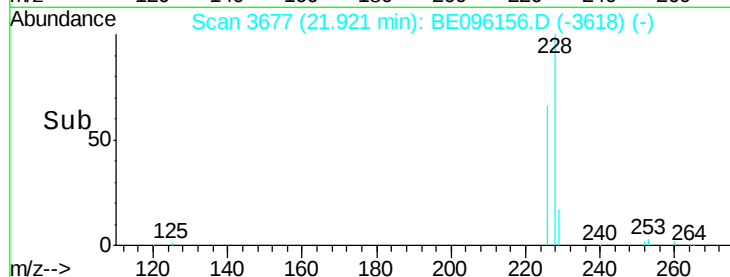
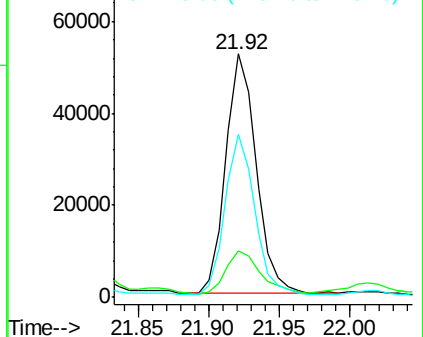
228 100

229 19.3 22.8 34.2#

226 67.0 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: 464.299 ng/ul

RT: 21.79 min Scan# 3659

Delta R.T. 0.01 min

Lab File: BE096156.D

Acq: 25 Apr 2018 20:04

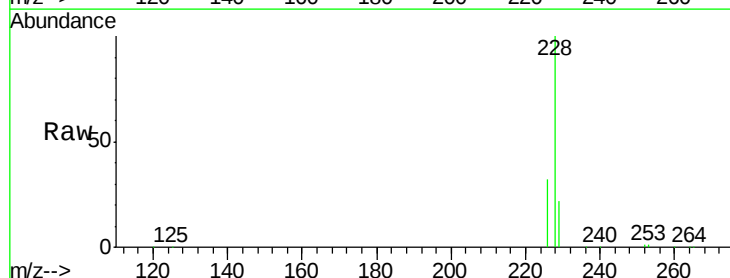
Tgt Ion:228 Resp: 525711

Ion Ratio Lower Upper

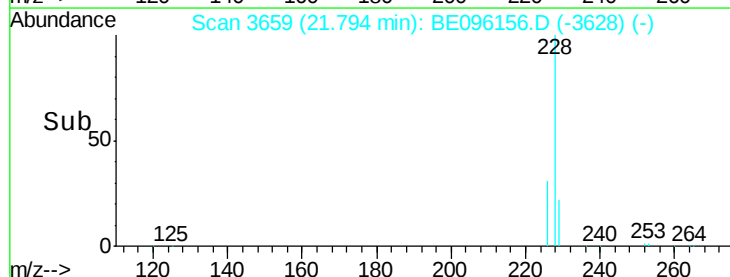
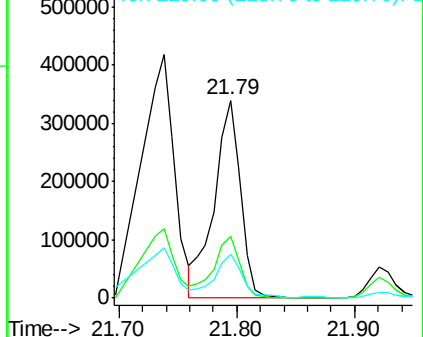
228 100

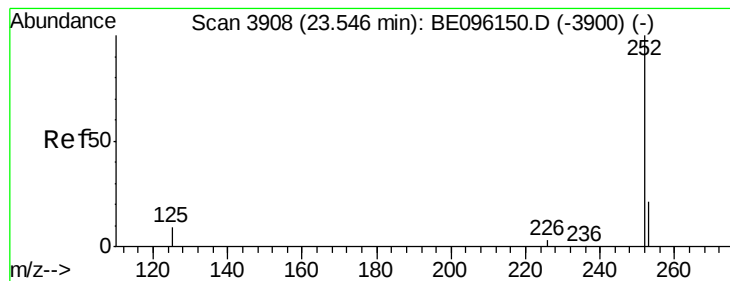
226 31.5 23.4 35.0

229 22.4 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: 30.151 ng/ul

RT: 23.76 min Scan# 3938

Delta R.T. 0.21 min

Lab File: BE096156.D

Acq: 25 Apr 2018 20:04

Instrument :

BNA_E

ClientSampleId :

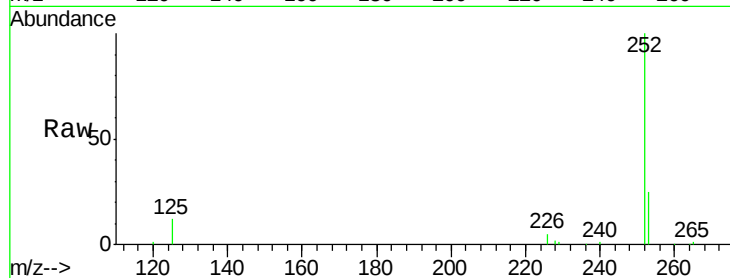
Tot Ion:252 Resp: 81859

Ion Ratio Lower Upper

252 100

253 25.0 0.0 64.2

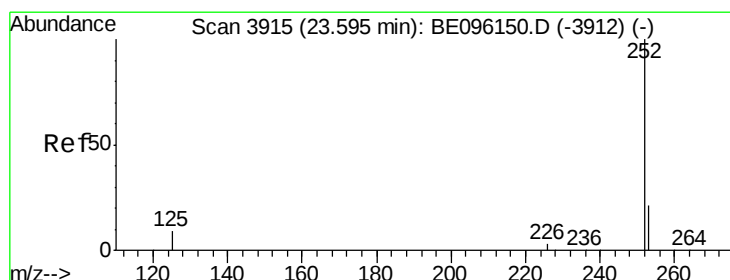
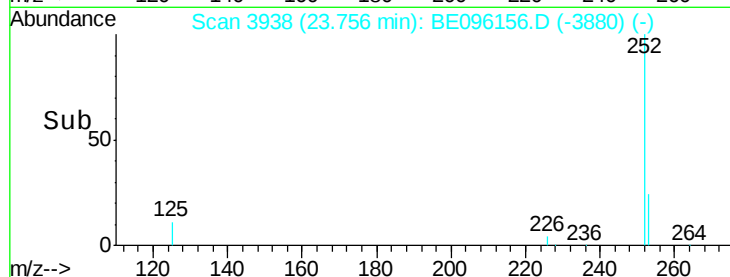
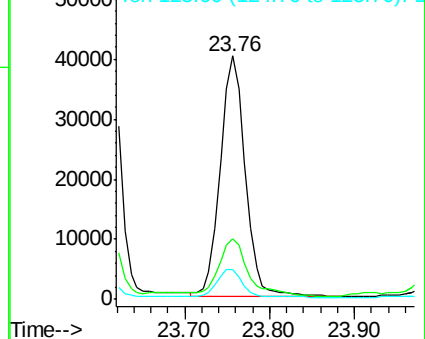
125 12.1 0.0 35.0



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: 31.540 ng/ul

RT: 23.76 min Scan# 3938

Delta R.T. 0.16 min

Lab File: BE096156.D

Acq: 25 Apr 2018 20:04

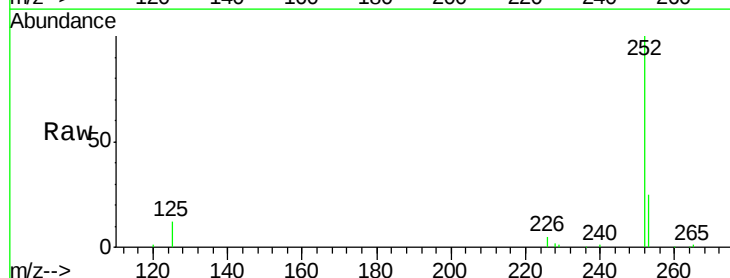
Tgt Ion:252 Resp: 81859

Ion Ratio Lower Upper

252 100

253 25.0 24.5 36.7

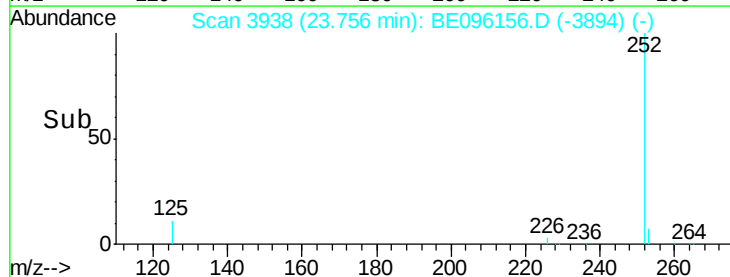
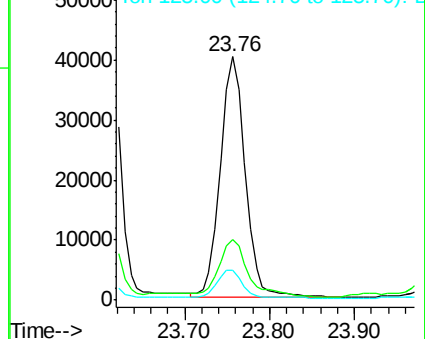
125 12.1 13.7 20.5#

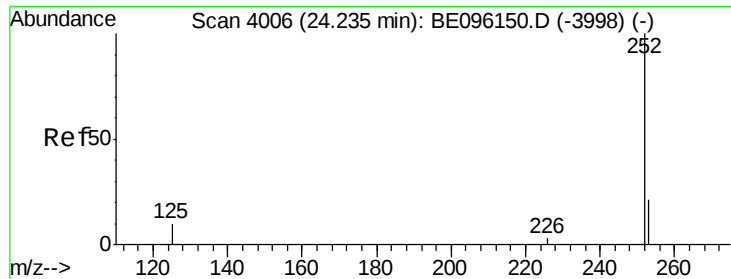


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 38.309 ng/ul

RT: 24.42 min Scan# 4032

Delta R.T. 0.18 min

Lab File: BE096156.D

Acq: 25 Apr 2018 20:04

Instrument :

BNA_E

ClientSampleId :

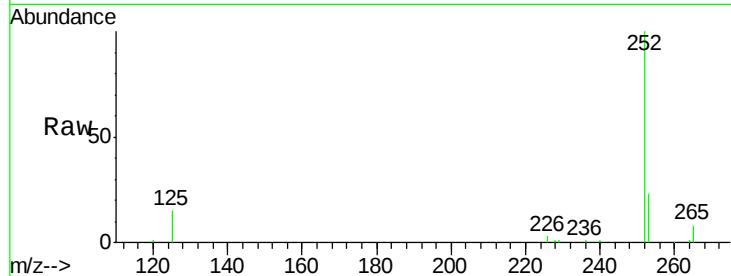
Tot Ion:252 Resp: 90356

Ion Ratio Lower Upper

252 100

253 22.6 28.5 42.7#

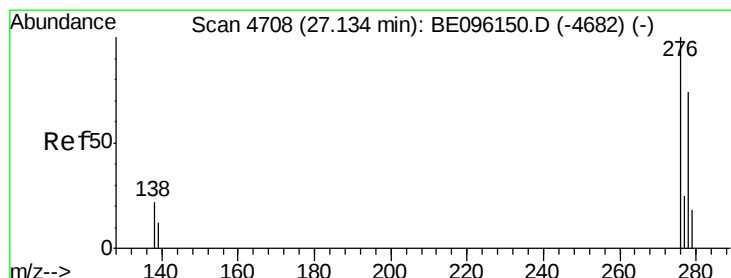
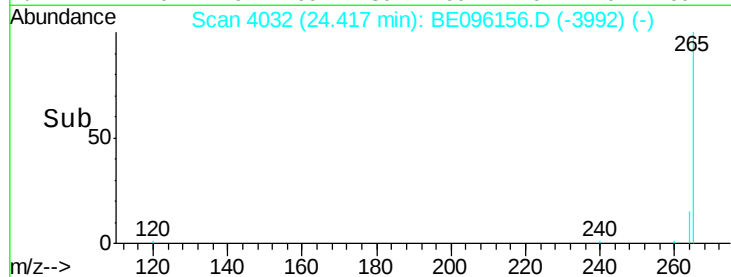
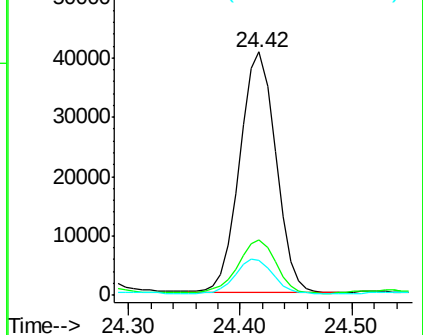
125 14.6 18.1 27.1#



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: 1.070 ng/ul

RT: 27.28 min Scan# 4749

Delta R.T. 0.15 min

Lab File: BE096156.D

Acq: 25 Apr 2018 20:04

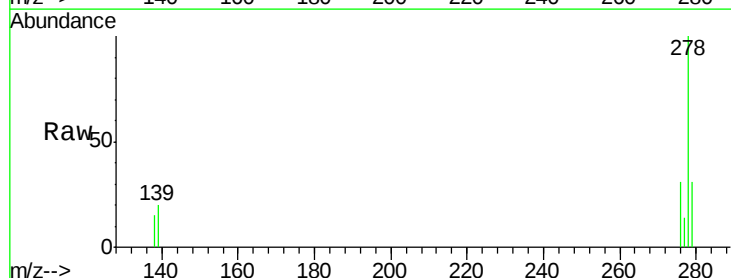
Tgt Ion:276 Resp: 3399

Ion Ratio Lower Upper

276 100

138 43.8 28.0 42.0#

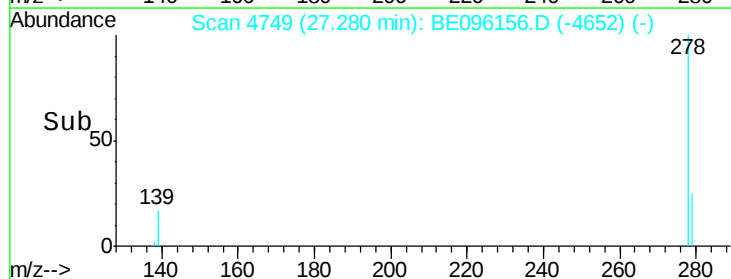
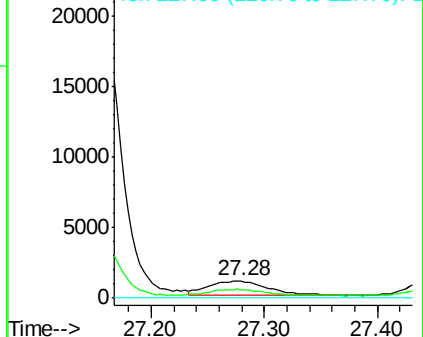
227 0.0 8.0 12.0#

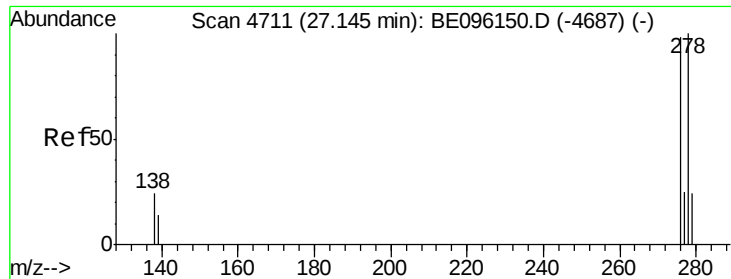


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

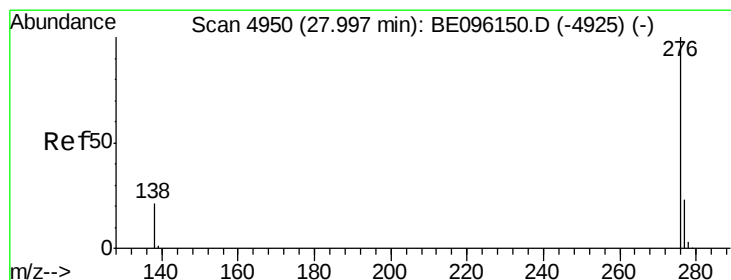
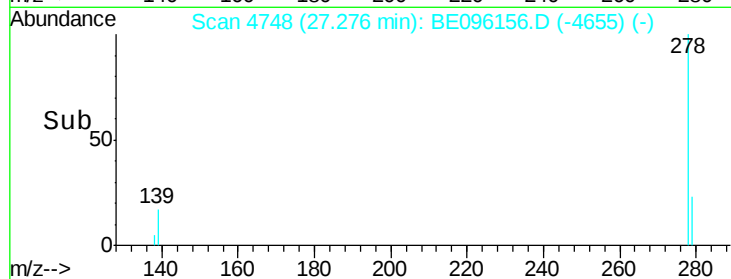
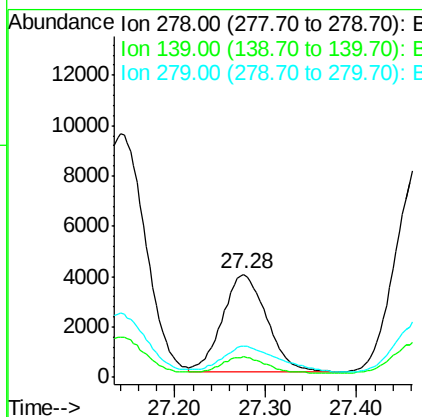
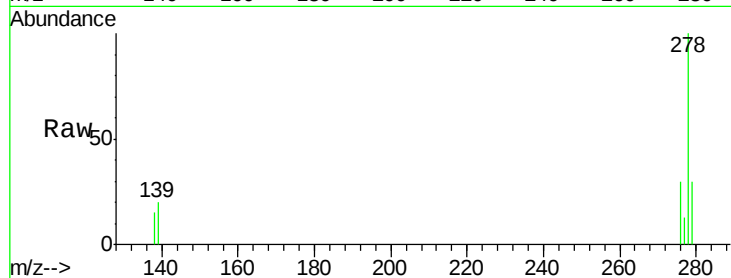




#25
Dibenzo(a,h)anthracene
Concen: 4.911 ng/ul
RT: 27.28 min Scan# 4748
Delta R.T. 0.13 min
Lab File: BE096156.D
Acq: 25 Apr 2018 20:04

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 13068
Ion Ratio Lower Upper
278 100
139 20.2 17.4 26.0
279 29.9 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 1.391 ng/ul
RT: 28.28 min Scan# 5030
Delta R.T. 0.28 min
Lab File: BE096156.D
Acq: 25 Apr 2018 20:04

Tgt Ion:276 Resp: 3849
Ion Ratio Lower Upper
276 100
138 42.2 21.8 32.8#
277 52.4 20.5 30.7#

