

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042318\
 Data File : BE096080.D
 Acq On : 23 Apr 2018 12:12
 Operator : SJ/JU
 Sample : J2434-17RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 24 05:21:59 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 24 05:21:12 2018
 Response via : Initial Calibration

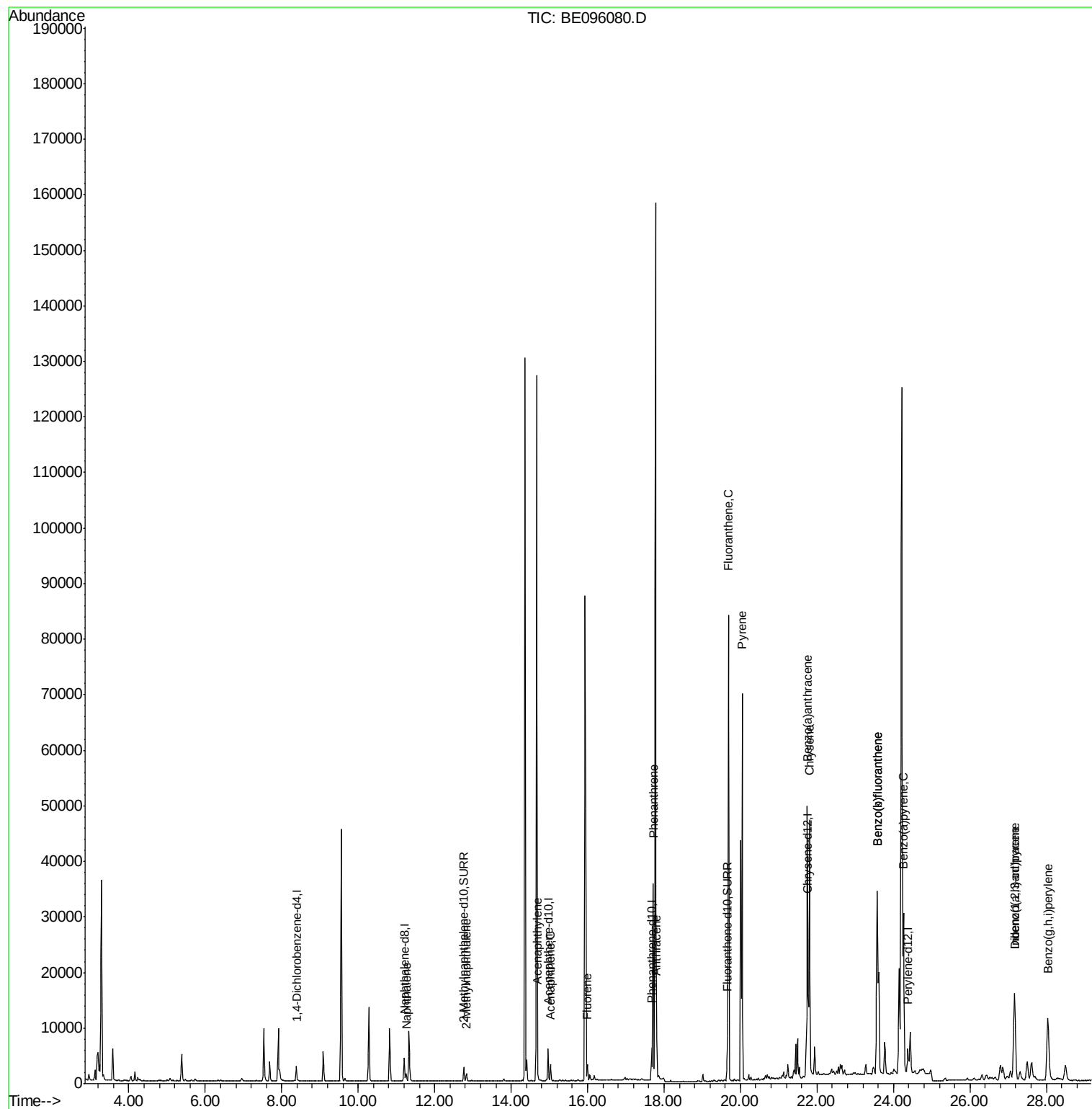
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	1925	0.40	ng/ul	0.00
2) Naphthalene-d8	11.20	136	5321	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.97	164	3036	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.68	188	6665	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	7727	0.40	ng/ul	0.00
20) Perylene-d12	24.38	264	6961	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.76	152	3254	0.33	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	8518	0.31	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.25	128	1639	0.110	ng/ul#	90
5) 2-Methylnaphthalene	12.83	142	1046	0.104	ng/ul	99
7) Acenaphthylene	14.70	152	947	0.060	ng/ul#	87
8) Acenaphthene	15.03	153	1781	0.158	ng/ul	94
9) Fluorene	15.99	166	1835	0.144	ng/ul	90
12) Phenanthrene	17.72	178	39519	2.012	ng/ul#	89
13) Anthracene	17.80	178	8012	0.410	ng/ul#	90
15) Fluoranthene	19.69	202	90355	3.380	ng/ul	82
17) Pyrene	20.04	202	83930	3.197	ng/ul#	78
18) Benzo(a)anthracene	21.75	228	52126	1.670	ng/ul#	85
19) Chrysene	21.80	228	45045	2.005	ng/ul	97
21) Benzo(b)fluoranthene	23.57	252	85676	3.804	ng/ul	84
22) Benzo(k)fluoranthene	23.57	252	85676	3.818	ng/ul#	86
23) Benzo(a)pyrene	24.26	252	43445	1.999	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	27.17	276	29640	1.227	ng/ul#	74
25) Dibenzo(a,h)anthracene	27.17	278	7894	0.406	ng/ul	95
26) Benzo(a,h,i)perylene	28.04	276	28690	1.422	ng/ul#	92

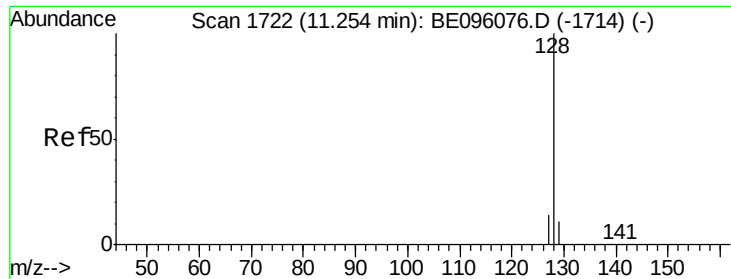
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.110 ng/ul

RT: 11.25 min Scan# 1721

Delta R.T. -0.00 min

Lab File: BE096080.D

Acq: 23 Apr 2018 12:12

Instrument :

BNA_E

ClientSampleId :

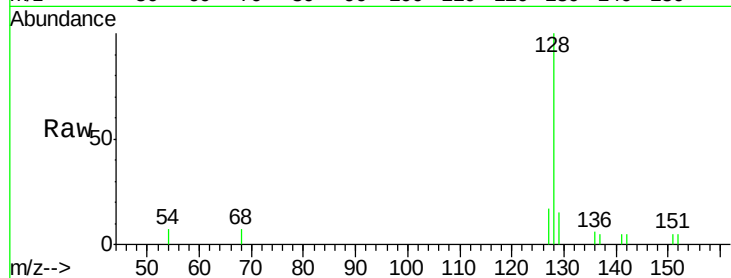
Tot Ion:128 Resp: 1639

Ion Ratio Lower Upper

128 100

129 14.5 11.3 16.9

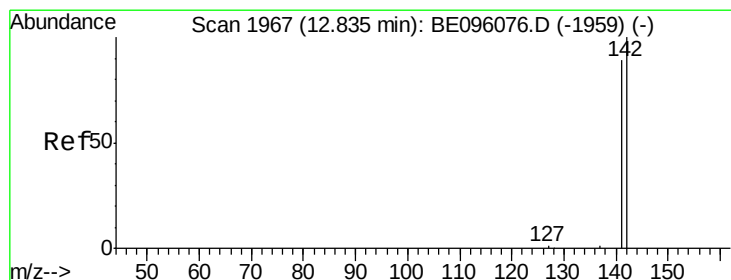
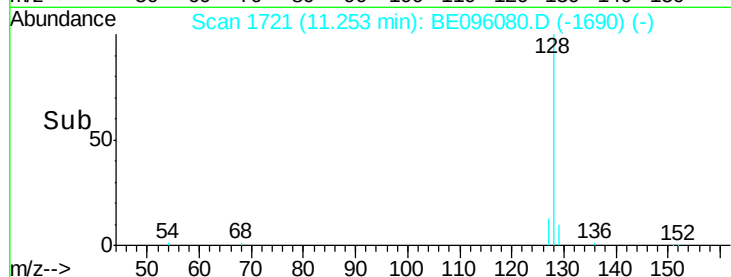
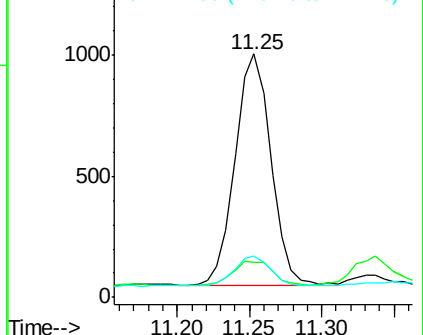
127 17.1 4.0 6.0#



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: 0.104 ng/ul

RT: 12.83 min Scan# 1966

Delta R.T. -0.00 min

Lab File: BE096080.D

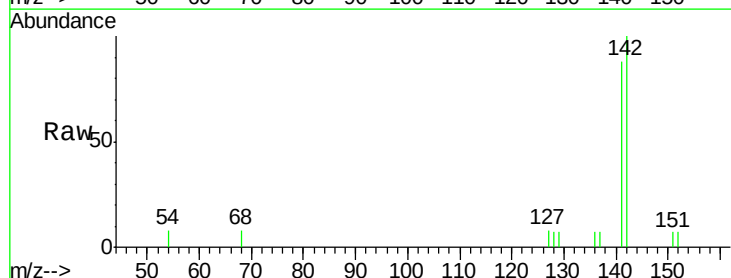
Acq: 23 Apr 2018 12:12

Tgt Ion:142 Resp: 1046

Ion Ratio Lower Upper

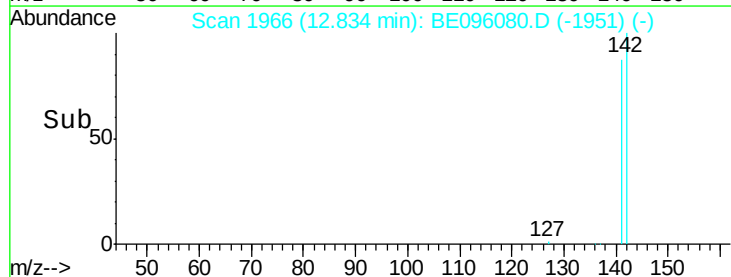
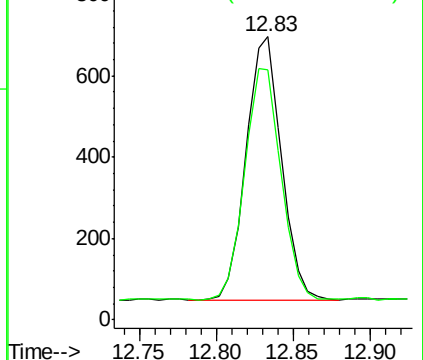
142 100

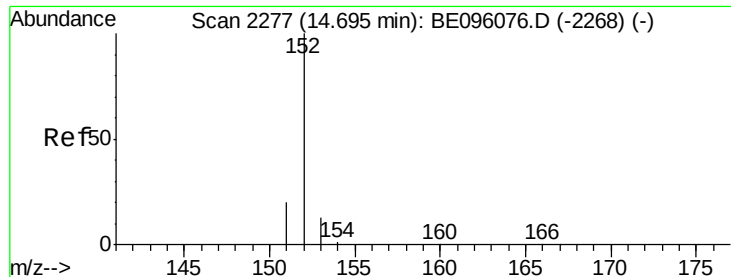
141 90.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.060 ng/ul

RT: 14.70 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BE096080.D

Acq: 23 Apr 2018 12:12

Instrument :

BNA_E

ClientSampleId :

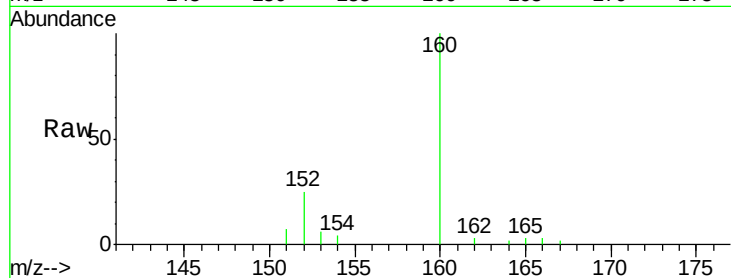
Tot Ion:152 Resp: 947

Ion Ratio Lower Upper

152 100

151 26.7 17.1 25.7#

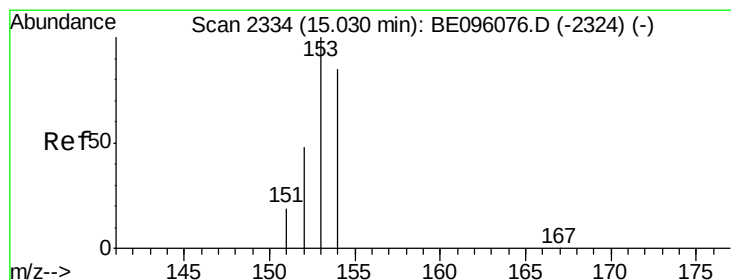
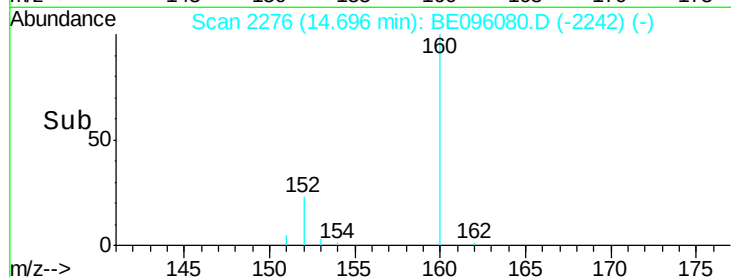
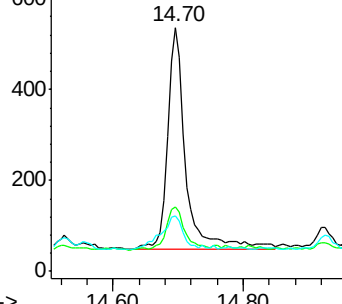
153 22.6 12.8 19.2#



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: 0.158 ng/ul

RT: 15.03 min Scan# 2333

Delta R.T. 0.00 min

Lab File: BE096080.D

Acq: 23 Apr 2018 12:12

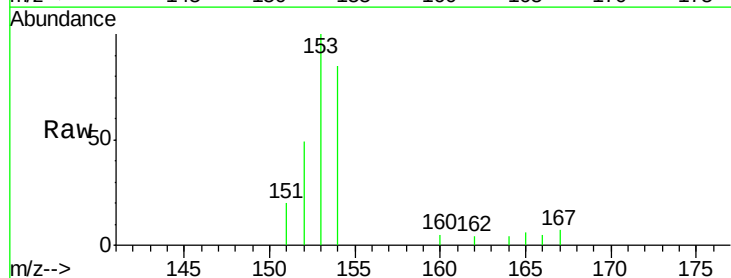
Tgt Ion:153 Resp: 1781

Ion Ratio Lower Upper

153 100

152 49.1 36.0 54.0

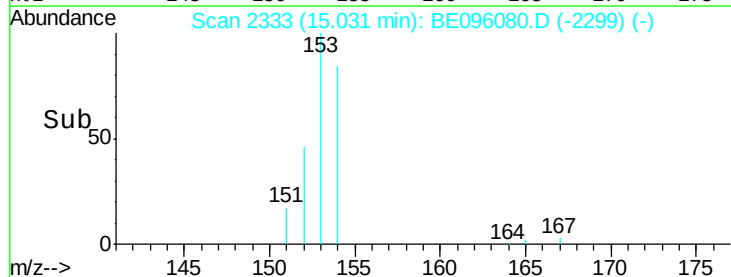
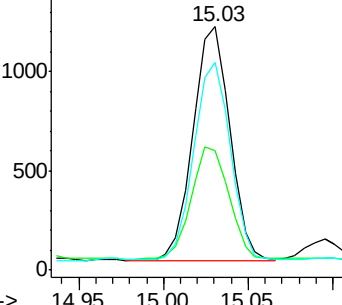
154 85.1 72.0 108.0

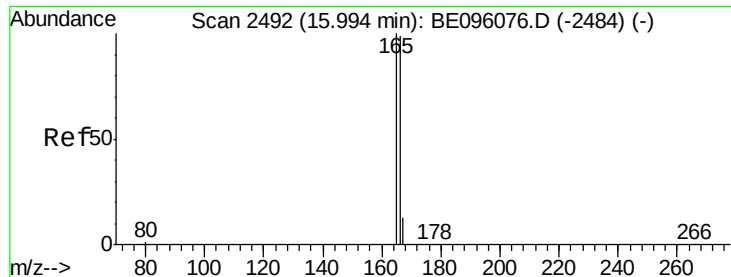


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.144 ng/ul

RT: 15.99 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BE096080.D

Acq: 23 Apr 2018 12:12

Instrument :

BNA_E

ClientSampleId :

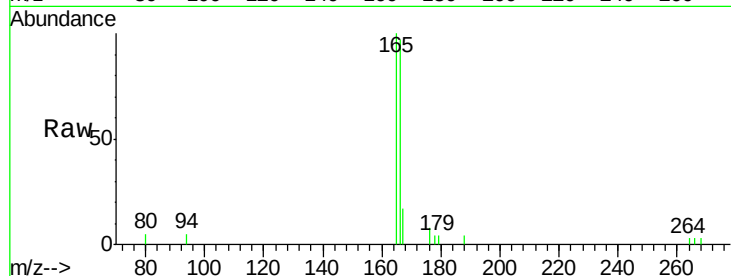
Tot Ion:166 Resp: 1835

Ion Ratio Lower Upper

166 100

165 102.6 73.4 110.2

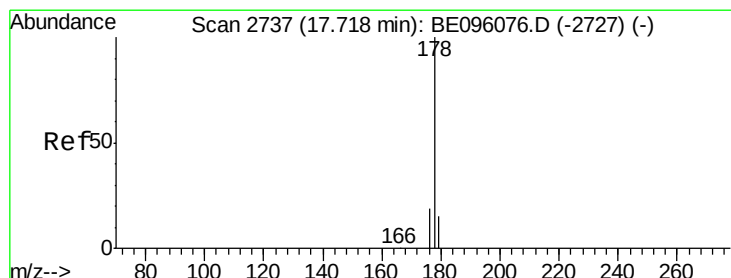
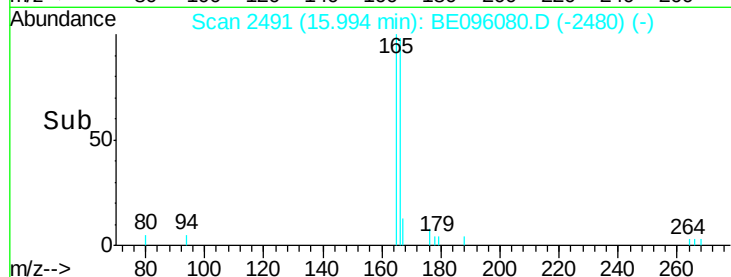
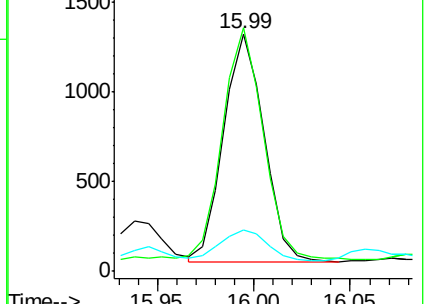
167 17.6 14.6 22.0



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



#12

Phenanthrene

Concen: 2.012 ng/ul

RT: 17.72 min Scan# 2736

Delta R.T. 0.00 min

Lab File: BE096080.D

Acq: 23 Apr 2018 12:12

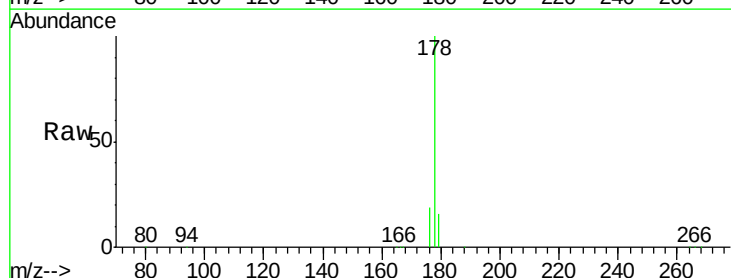
Tgt Ion:178 Resp: 39519

Ion Ratio Lower Upper

178 100

179 15.6 18.4 27.6#

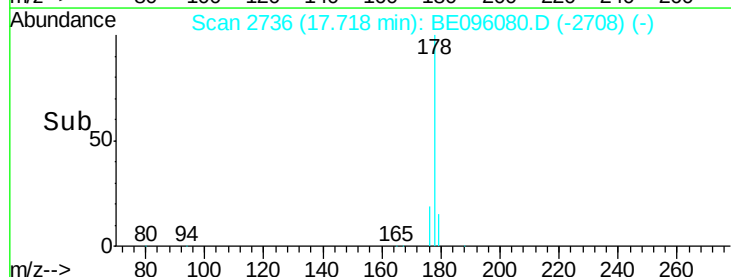
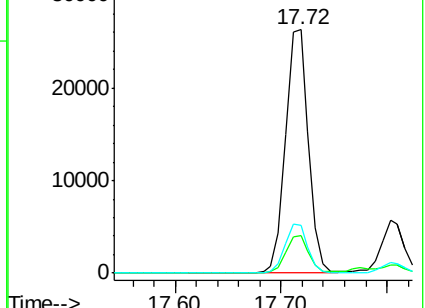
176 19.4 13.6 20.4

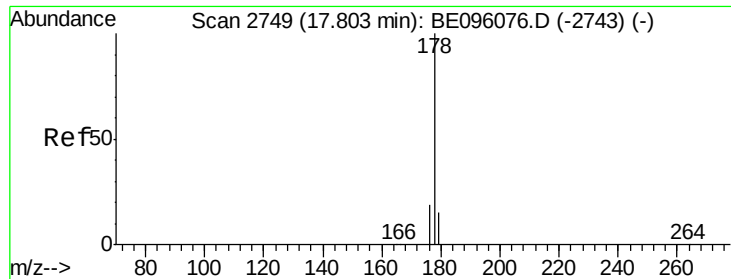


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.410 ng/ul

RT: 17.80 min Scan# 2748

Delta R.T. 0.00 min

Lab File: BE096080.D

Acq: 23 Apr 2018 12:12

Instrument :

BNA_E

ClientSampleId :

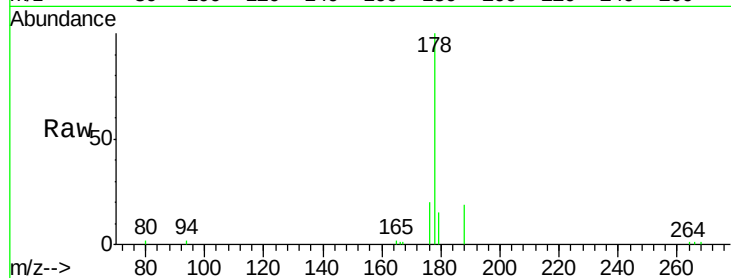
Tot Ion:178 Resp: 8012

Ion Ratio Lower Upper

178 100

179 15.4 18.1 27.1#

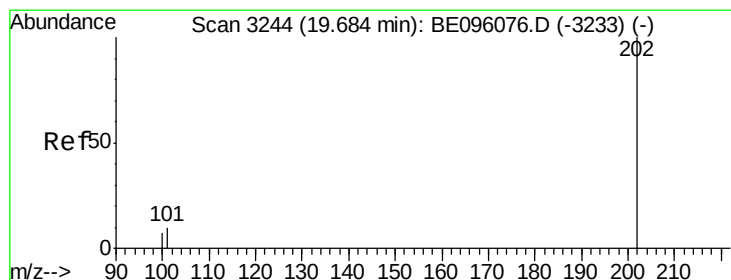
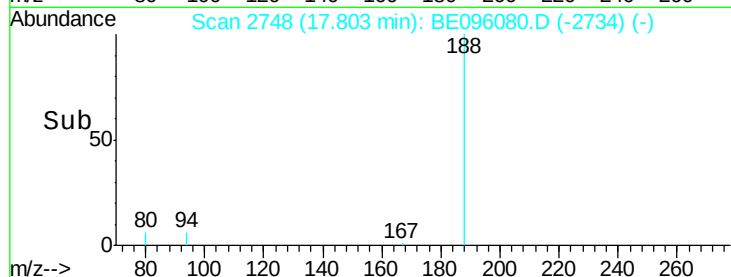
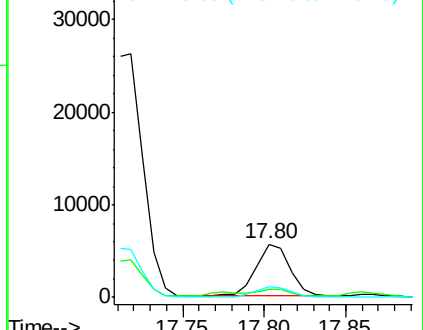
176 19.8 14.7 22.1



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



#15

Fluoranthene

Concen: 3.380 ng/ul

RT: 19.69 min Scan# 3244

Delta R.T. 0.00 min

Lab File: BE096080.D

Acq: 23 Apr 2018 12:12

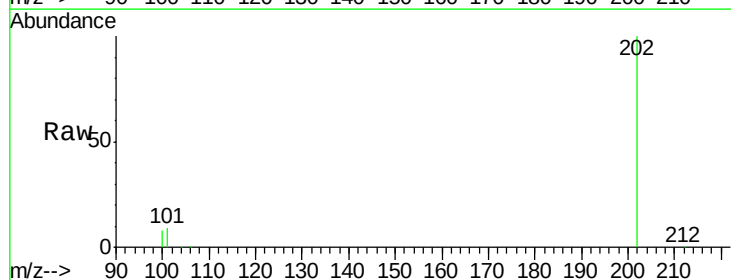
Tgt Ion:202 Resp: 90355

Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.3

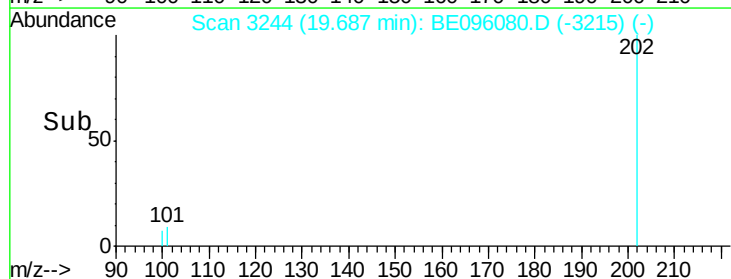
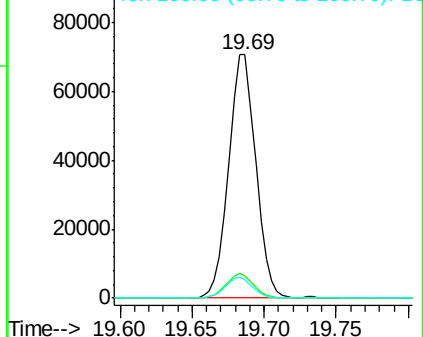
100 7.6 0.0 39.5

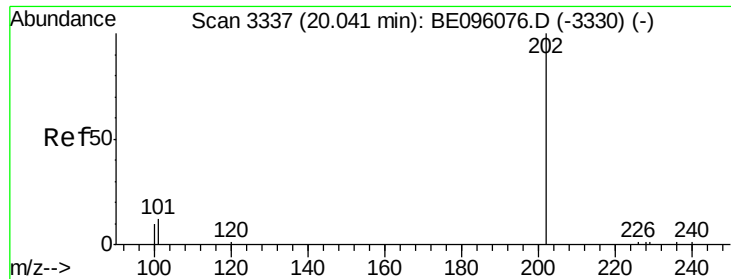


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 3.197 ng/ul

RT: 20.04 min Scan# 3335

Delta R.T. -0.00 min

Lab File: BE096080.D

Acq: 23 Apr 2018 12:12

Instrument :

BNA_E

ClientSampleId :

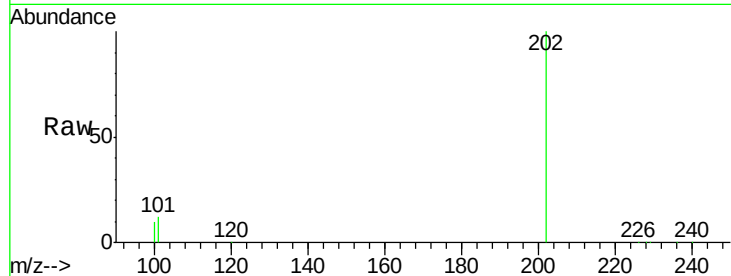
Tot Ion:202 Resp: 83930

Ion Ratio Lower Upper

202 100

101 11.7 18.2 27.4#

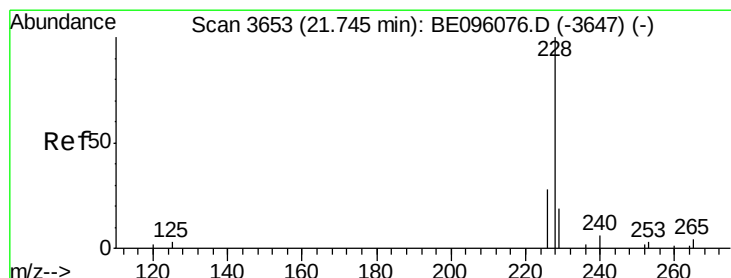
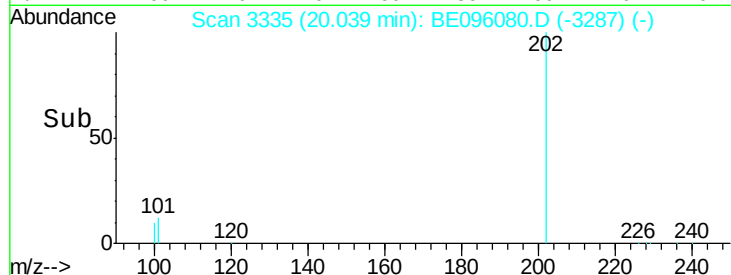
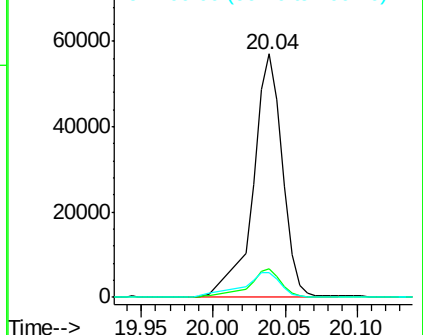
100 10.4 15.6 23.4#



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



#18

Benzo(a)anthracene

Concen: 1.670 ng/ul

RT: 21.75 min Scan# 3651

Delta R.T. 0.00 min

Lab File: BE096080.D

Acq: 23 Apr 2018 12:12

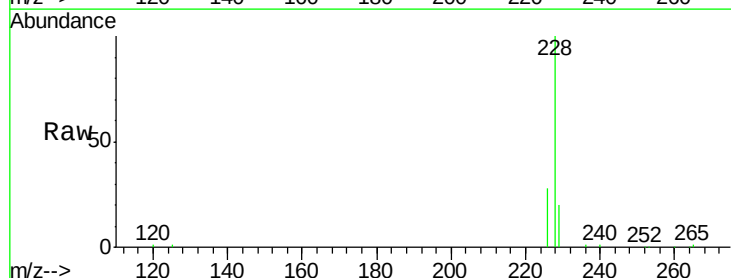
Tgt Ion:228 Resp: 52126

Ion Ratio Lower Upper

228 100

229 20.1 22.8 34.2#

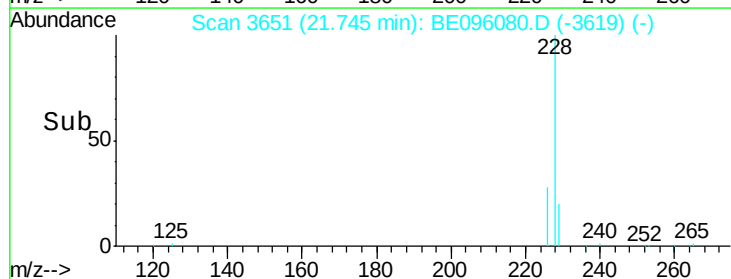
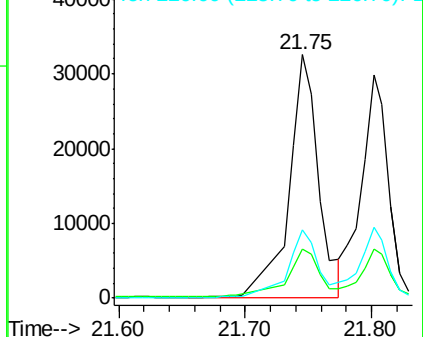
226 28.2 17.0 25.6#

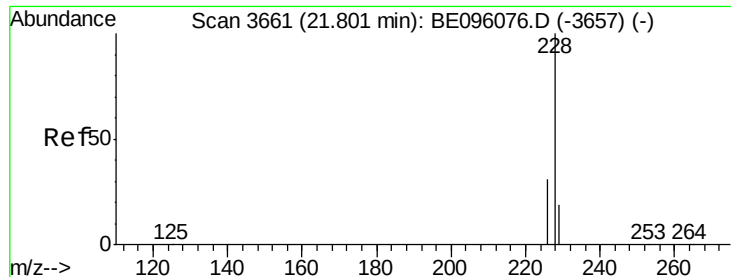


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.005 ng/ul

RT: 21.80 min Scan# 3659

Delta R.T. 0.00 min

Lab File: BE096080.D

Acq: 23 Apr 2018 12:12

Instrument :

BNA_E

ClientSampleId :

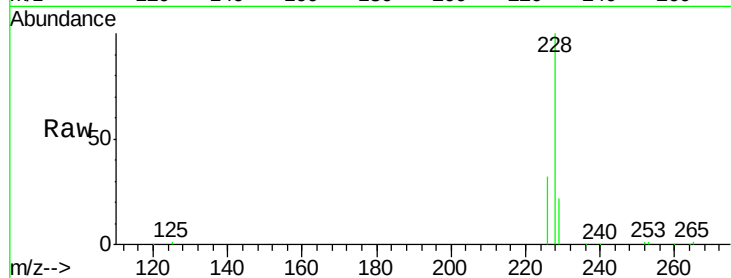
Tot Ion:228 Resp: 45045

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.0

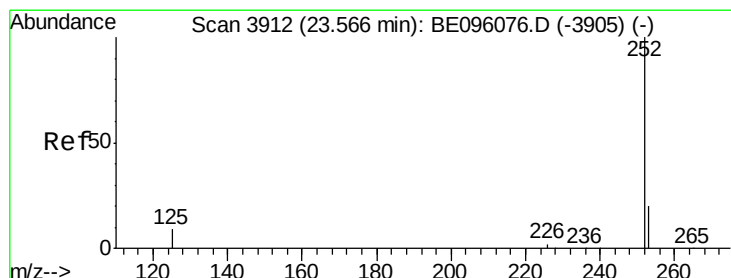
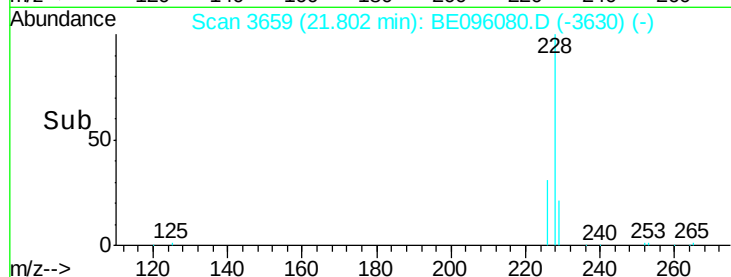
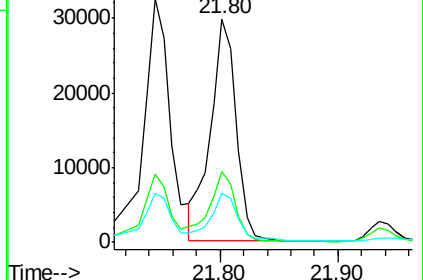
229 21.9 17.7 26.5



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: 3.804 ng/ul

RT: 23.57 min Scan# 3911

Delta R.T. 0.01 min

Lab File: BE096080.D

Acq: 23 Apr 2018 12:12

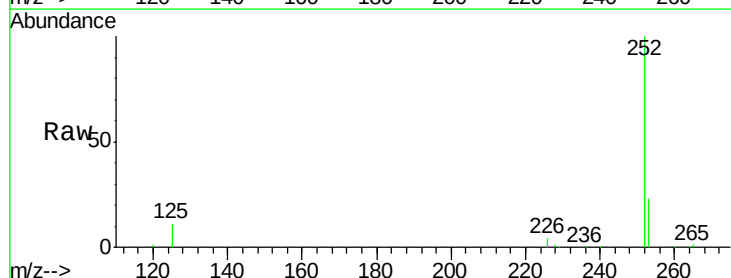
Tgt Ion:252 Resp: 85676

Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

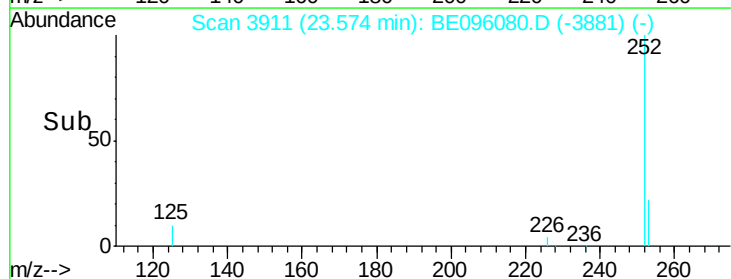
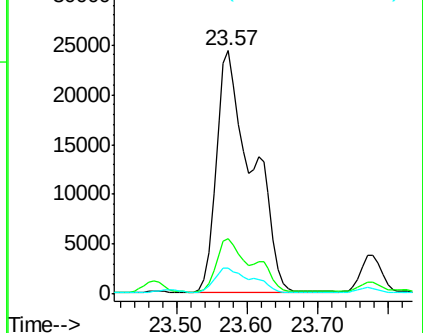
125 10.6 0.0 35.0

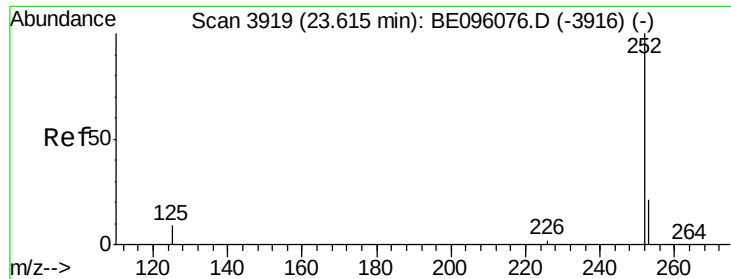


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.818 ng/ul

RT: 23.57 min Scan# 3911

Delta R.T. -0.04 min

Lab File: BE096080.D

Acq: 23 Apr 2018 12:12

Instrument :

BNA_E

ClientSampleId :

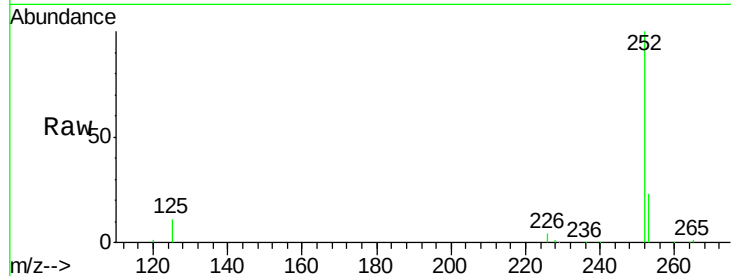
Tot Ion:252 Resp: 85676

Ion Ratio Lower Upper

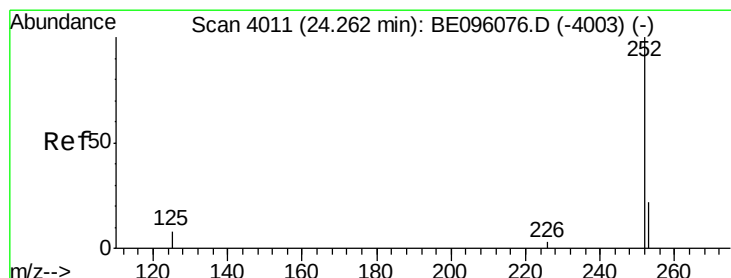
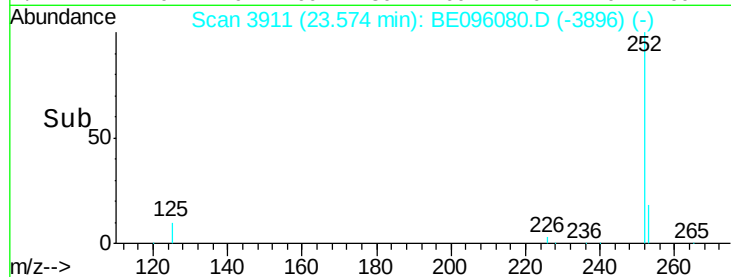
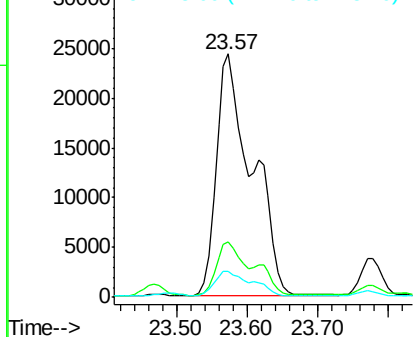
252 100

253 23.0 24.5 36.7#

125 10.6 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: 1.999 ng/ul

RT: 24.26 min Scan# 4009

Delta R.T. 0.00 min

Lab File: BE096080.D

Acq: 23 Apr 2018 12:12

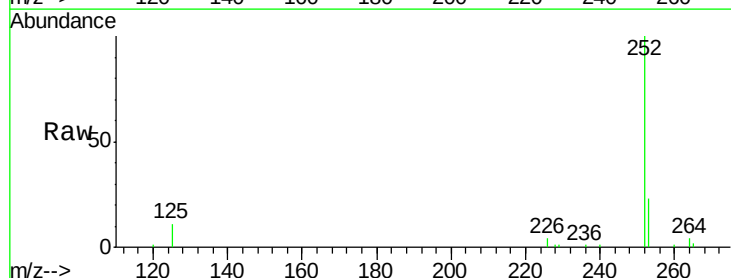
Tgt Ion:252 Resp: 43445

Ion Ratio Lower Upper

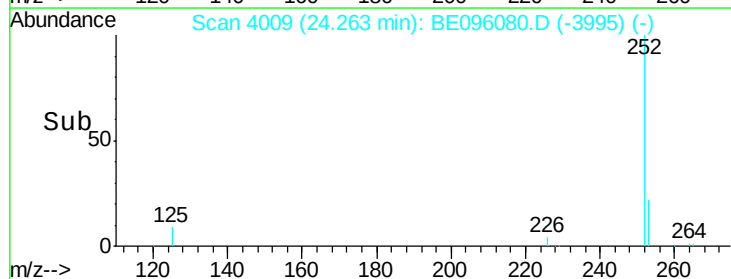
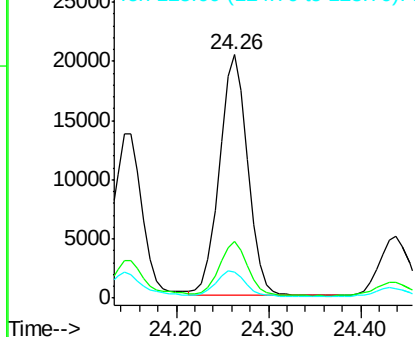
252 100

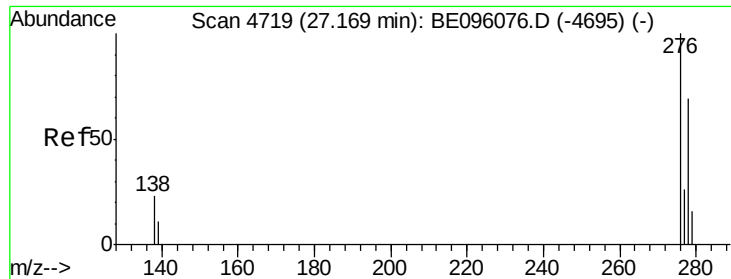
253 23.1 28.5 42.7#

125 10.9 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

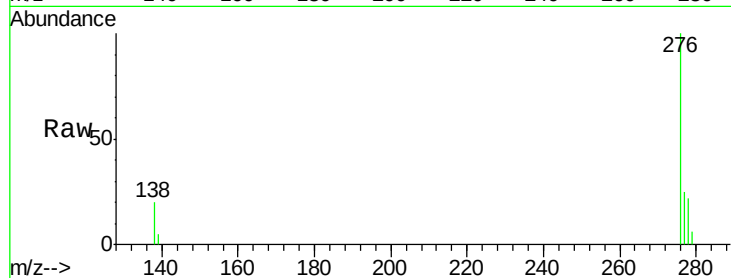




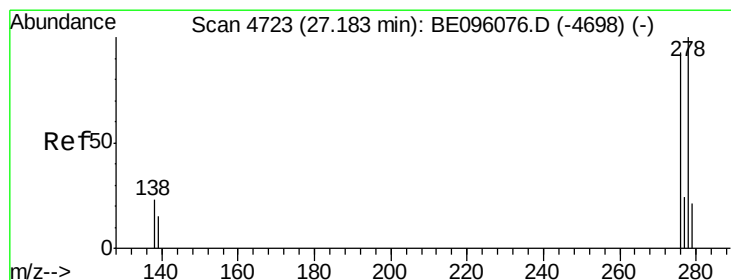
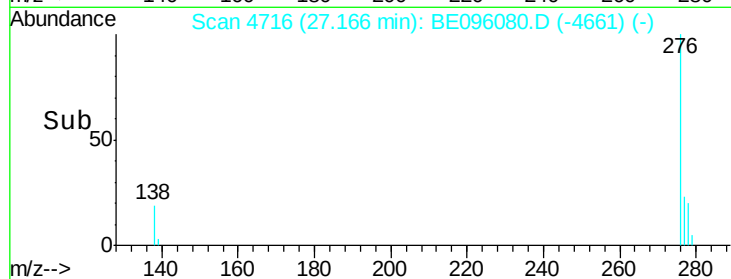
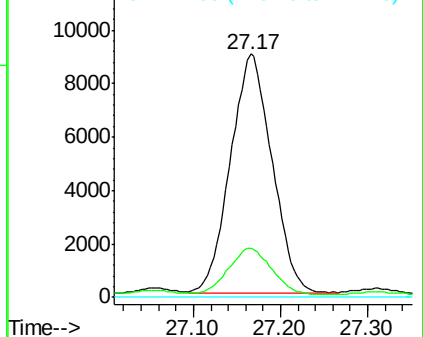
#24
Indeno(1,2,3-cd)pyrene
Concen: 1.227 ng/ul
RT: 27.17 min Scan# 4716
Delta R.T. -0.00 min
Lab File: BE096080.D
Acq: 23 Apr 2018 12:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 29640
Ion Ratio Lower Upper
276 100
138 20.2 28.0 42.0#
227 0.0 8.0 12.0#

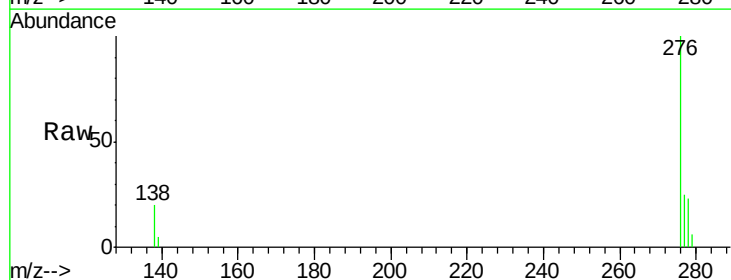


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E

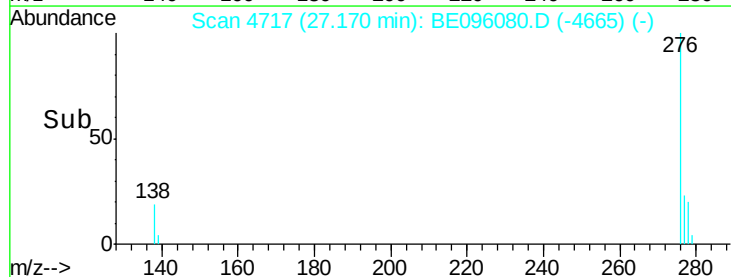
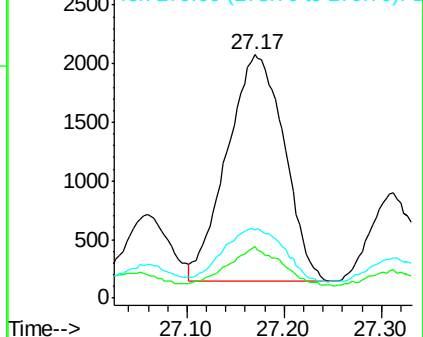


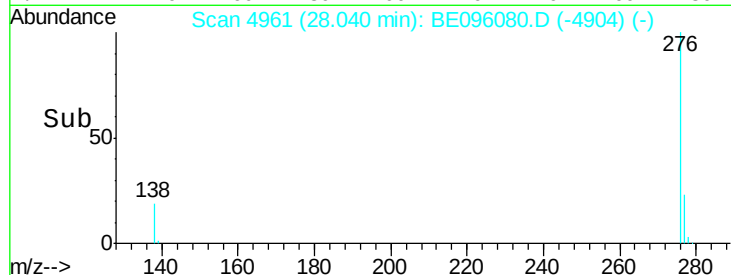
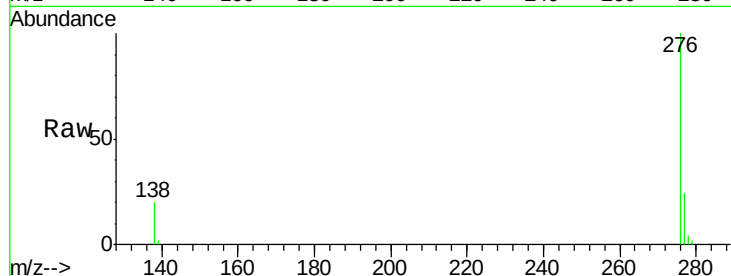
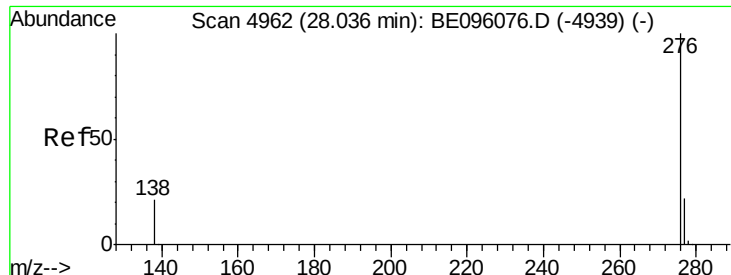
#25
Dibenzo(a,h)anthracene
Concen: 0.406 ng/ul
RT: 27.17 min Scan# 4717
Delta R.T. -0.01 min
Lab File: BE096080.D
Acq: 23 Apr 2018 12:12

Tgt Ion:278 Resp: 7894
Ion Ratio Lower Upper
278 100
139 21.1 17.4 26.0
279 28.0 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(a,h,i)perylene
 Concen: 1.422 ng/ul
 RT: 28.04 min Scan# 4961
 Delta R.T. 0.00 min
 Lab File: BE096080.D
 Acq: 23 Apr 2018 12:12

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	21.8	32.8#
277	24.3	20.5	30.7

