

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\
 Data File : BE096157.D
 Acq On : 25 Apr 2018 20:40
 Operator : SJ/JU
 Sample : J2434-16DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 26 05:08:01 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

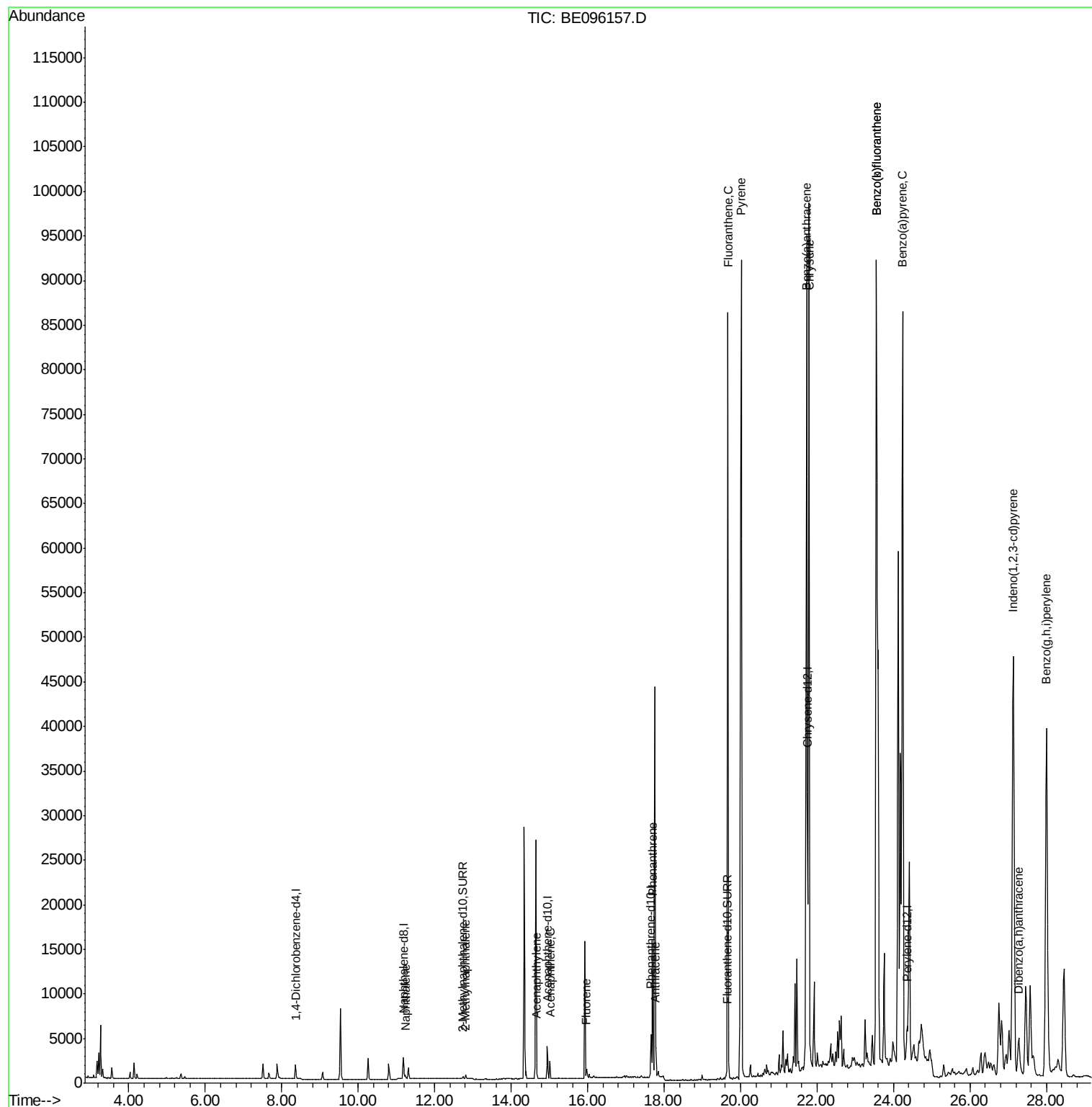
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	784	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	3141	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	1987	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.65	188	5519	0.40	ng/ul	0.00
16) Chrysene-d12	21.75	240	7291	0.40	ng/ul	0.00
20) Perylene-d12	24.35	264	5986	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	206	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	809	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.23	128	484	0.055	ng/ul#	69
5) 2-Methylnaphthalene	12.81	142	324	0.055	ng/ul	97
7) Acenaphthylene	14.68	152	234	0.023	ng/ul#	50
8) Acenaphthene	15.01	153	1180	0.160	ng/ul	94
9) Fluorene	15.98	166	662	0.068	ng/ul#	91
12) Phenanthrene	17.70	178	16018	0.986	ng/ul#	88
13) Anthracene	17.79	178	3228	0.198	ng/ul#	93
15) Fluoranthene	19.67	202	97363	3.920	ng/ul	83
17) Pyrene	20.02	202	56037	3.831	ng/ul#	77
18) Benzo(a)anthracene	21.73	228	60730	2.751	ng/ul#	86
19) Chrysene	21.79	228	97824	4.823	ng/ul	98
21) Benzo(b)fluoranthene	23.55	252	229470	10.124	ng/ul	84
22) Benzo(k)fluoranthene	23.55	252	229470	10.590	ng/ul#	86
23) Benzo(a)pyrene	24.24	252	131294	6.668	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	27.13	276	92745	3.496	ng/ul#	74
25) Dibenzo(a,h)anthracene	27.27	278	6207	0.279	ng/ul	97
26) Benzo(a,h,i)perylene	28.00	276	97279	4.212	ng/ul#	91

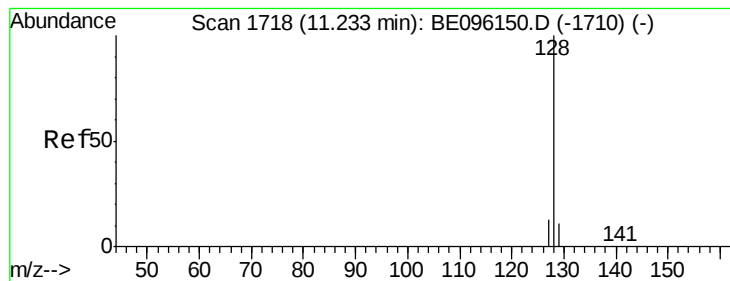
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.055 ng/ul

RT: 11.23 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BE096157.D

Acq: 25 Apr 2018 20:40

Instrument :

BNA_E

ClientSampleId :

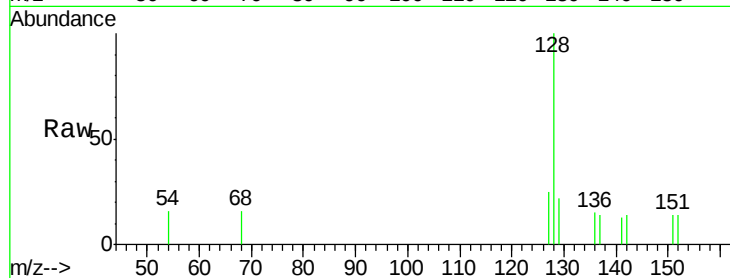
Tot Ion:128 Resp: 484

Ion Ratio Lower Upper

128 100

129 22.3 11.3 16.9#

127 24.9 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

11.23

400

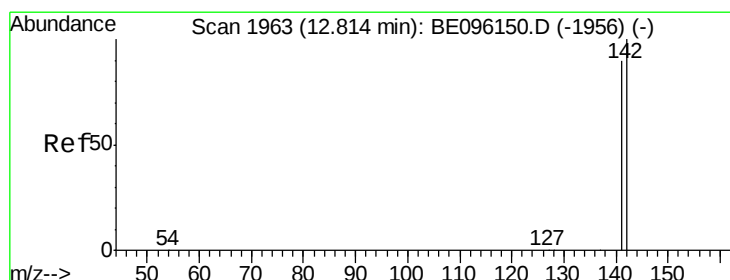
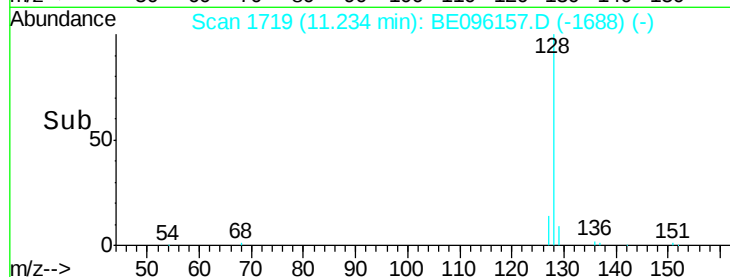
300

200

100

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.055 ng/ul

RT: 12.81 min Scan# 1964

Delta R.T. 0.00 min

Lab File: BE096157.D

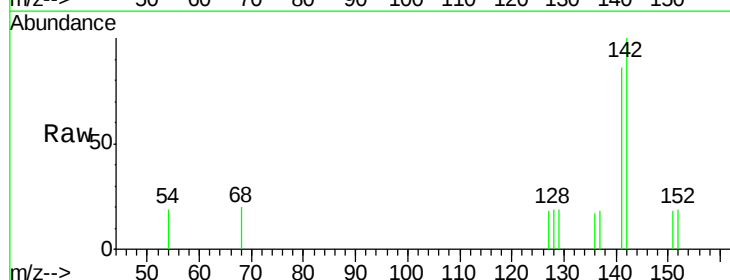
Acq: 25 Apr 2018 20:40

Tgt Ion:142 Resp: 324

Ion Ratio Lower Upper

142 100

141 93.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.81

300

250

200

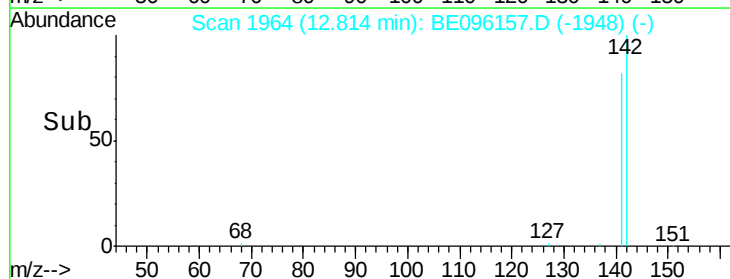
150

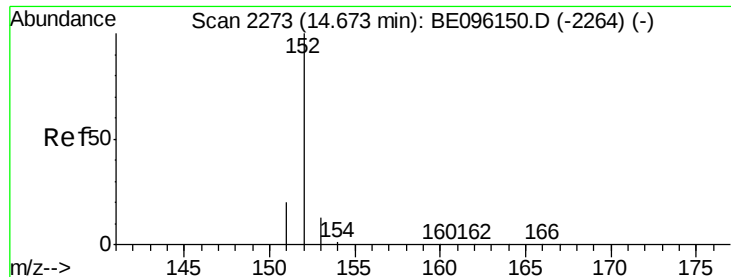
100

50

0

Time-->





#7

Acenaphthylene

Concen: 0.023 ng/ul

RT: 14.68 min Scan# 2274

Delta R.T. 0.00 min

Lab File: BE096157.D

Acq: 25 Apr 2018 20:40

Instrument :

BNA_E

ClientSampleId :

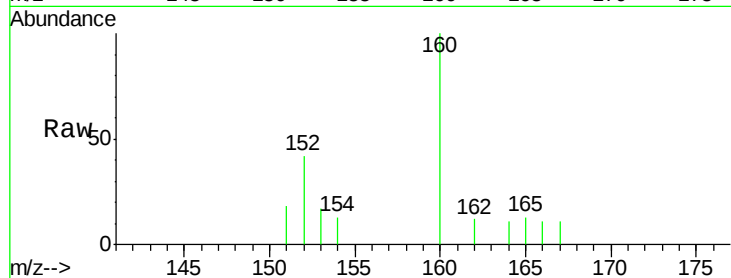
Tot Ion:152 Resp: 234

Ion Ratio Lower Upper

152 100

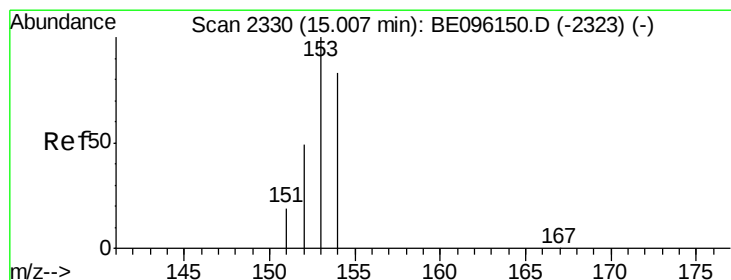
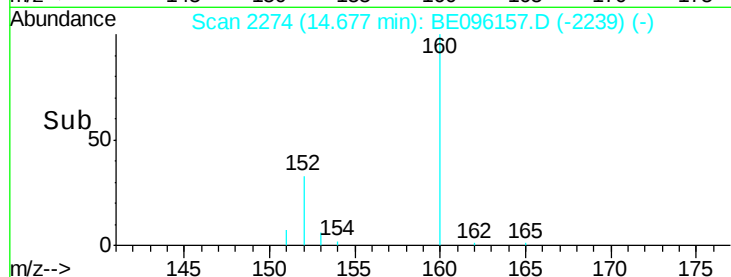
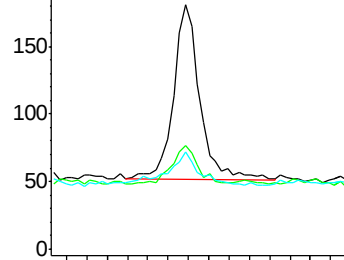
151 42.5 17.1 25.7#

153 39.8 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

14.68



#8

Acenaphthene

Concen: 0.160 ng/ul

RT: 15.01 min Scan# 2331

Delta R.T. 0.00 min

Lab File: BE096157.D

Acq: 25 Apr 2018 20:40

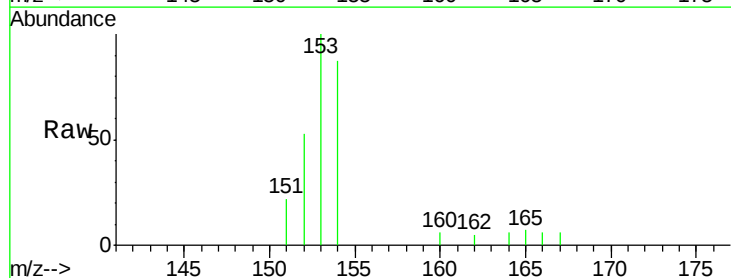
Tgt Ion:153 Resp: 1180

Ion Ratio Lower Upper

153 100

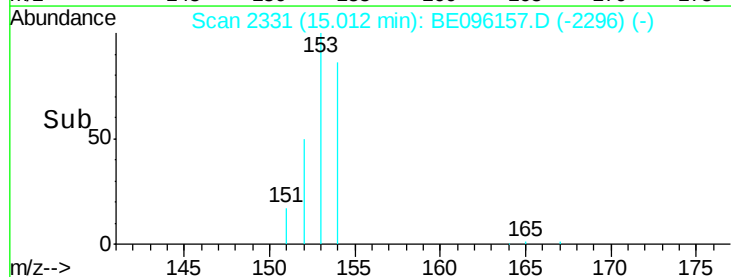
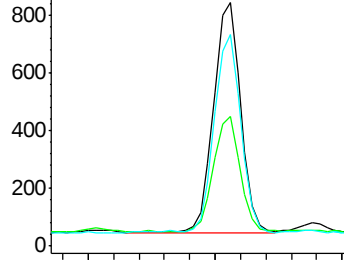
152 53.3 36.0 54.0

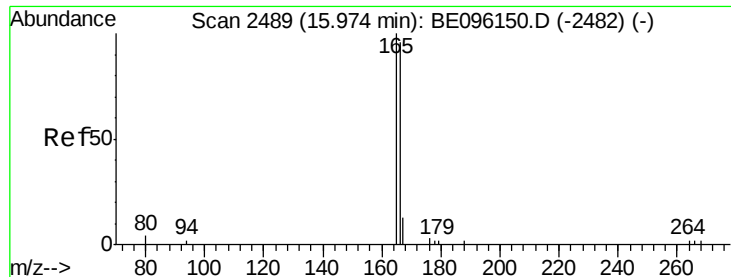
154 87.1 72.0 108.0



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

15.01

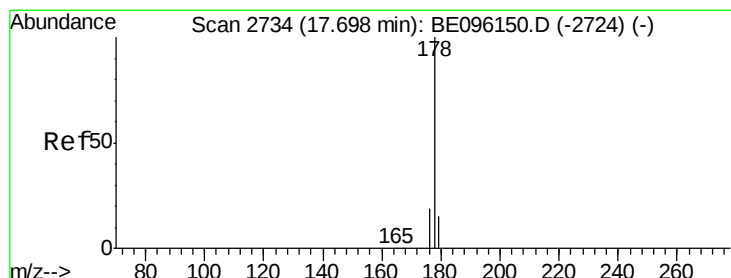
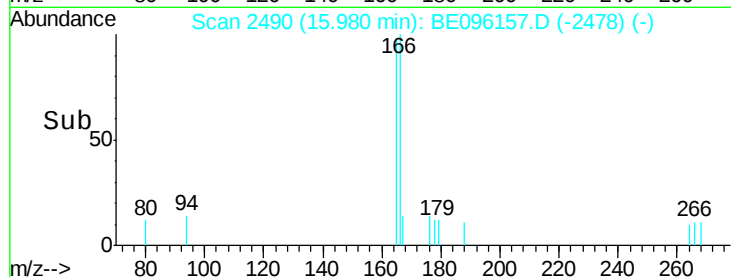
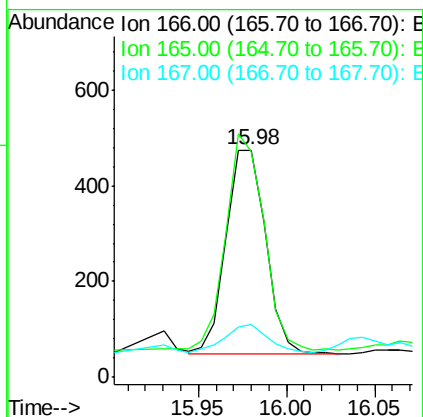
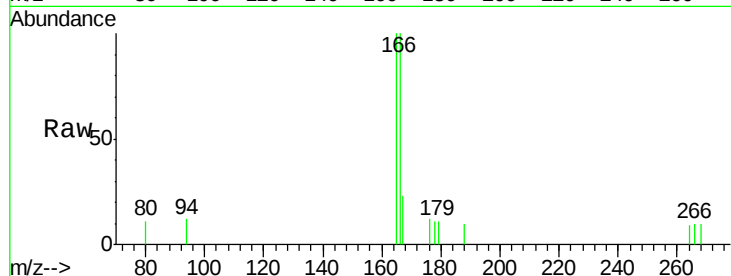




#9
Fluorene
 Concen: 0.068 ng/ul
 RT: 15.98 min Scan# 2490
 Delta R.T. 0.01 min
 Lab File: BE096157.D
 Acq: 25 Apr 2018 20:40

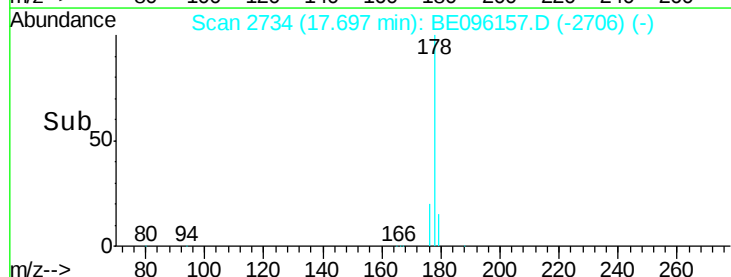
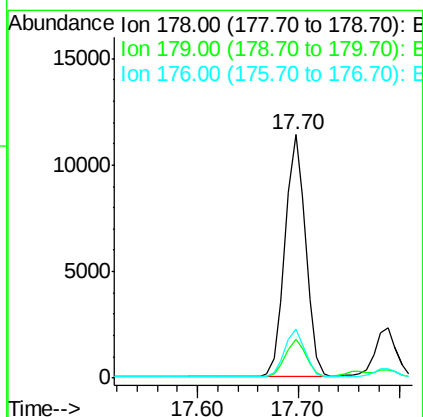
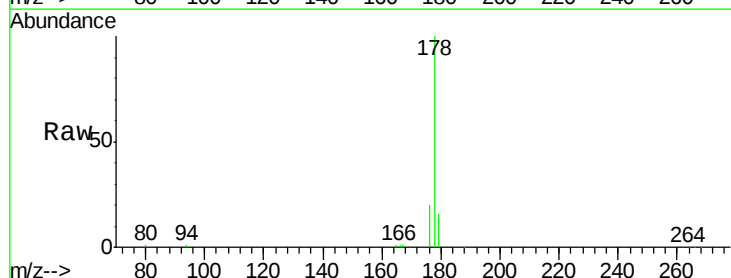
Instrument :
 BNA_E
 ClientSampleId :

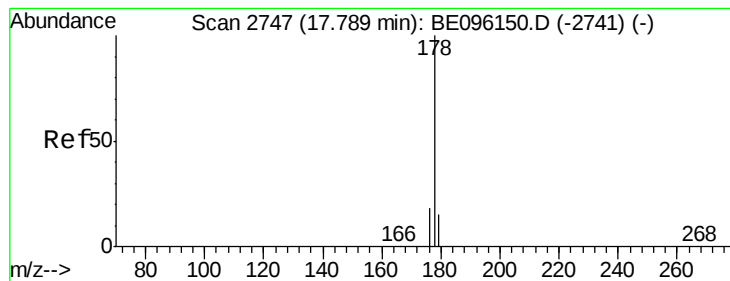
Tot Ion:166 Resp: 662
 Ion Ratio Lower Upper
 166 100
 165 99.6 73.4 110.2
 167 23.4 14.6 22.0#



#12
Phenanthrene
 Concen: 0.986 ng/ul
 RT: 17.70 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: BE096157.D
 Acq: 25 Apr 2018 20:40

Tgt Ion:178 Resp: 16018
 Ion Ratio Lower Upper
 178 100
 179 15.7 18.4 27.6#
 176 19.9 13.6 20.4





#13

Anthracene

Concen: 0.198 ng/ul

RT: 17.79 min Scan# 2747

Delta R.T. -0.00 min

Lab File: BE096157.D

Acq: 25 Apr 2018 20:40

Instrument :

BNA_E

ClientSampleId :

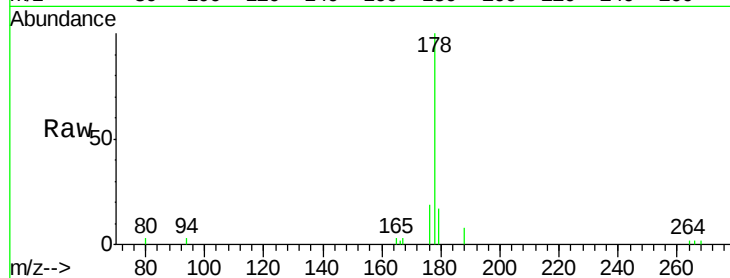
Tot Ion:178 Resp: 3228

Ion Ratio Lower Upper

178 100

179 17.3 18.1 27.1#

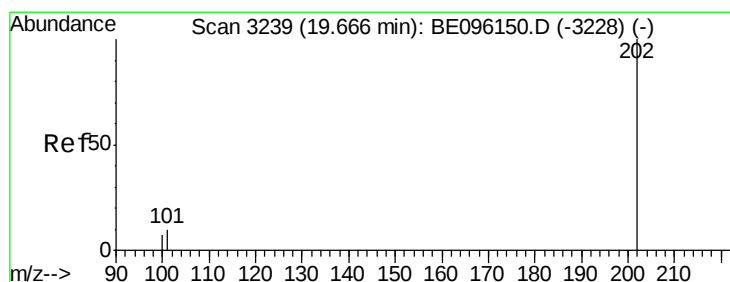
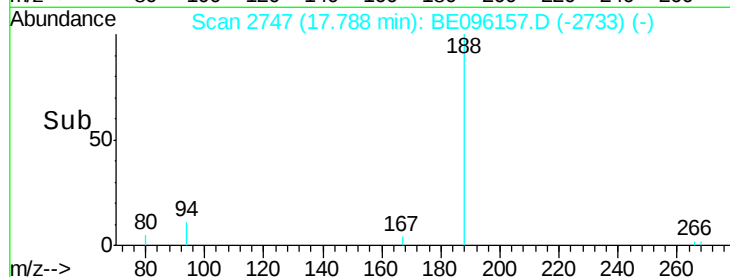
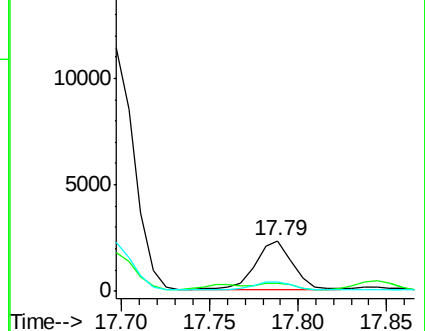
176 19.3 14.7 22.1



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



#15

Fluoranthene

Concen: 3.920 ng/ul

RT: 19.67 min Scan# 3240

Delta R.T. 0.00 min

Lab File: BE096157.D

Acq: 25 Apr 2018 20:40

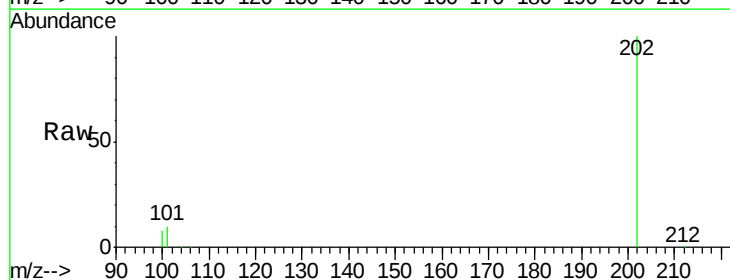
Tgt Ion:202 Resp: 97363

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.3

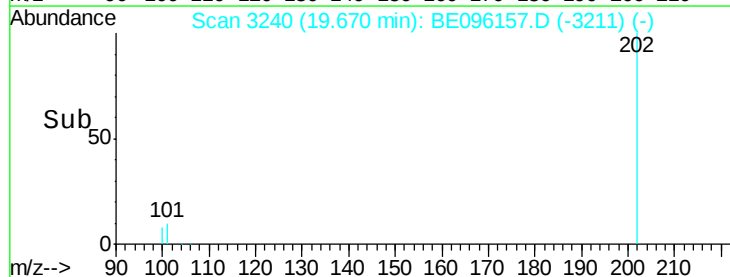
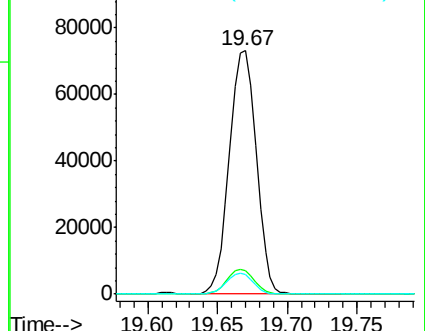
100 7.8 0.0 39.5

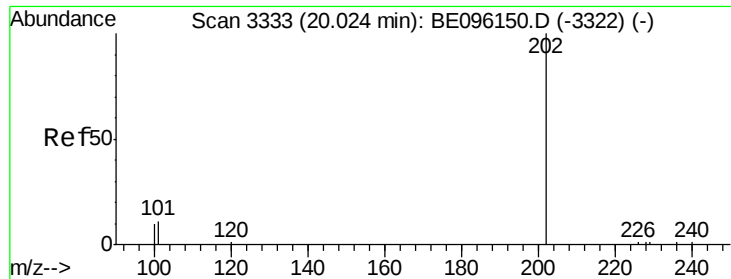


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 3.831 ng/ul

RT: 20.02 min Scan# 3334

Delta R.T. 0.00 min

Lab File: BE096157.D

Acq: 25 Apr 2018 20:40

Instrument :

BNA_E

ClientSampleId :

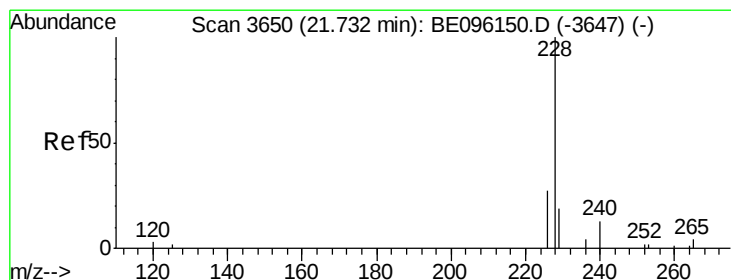
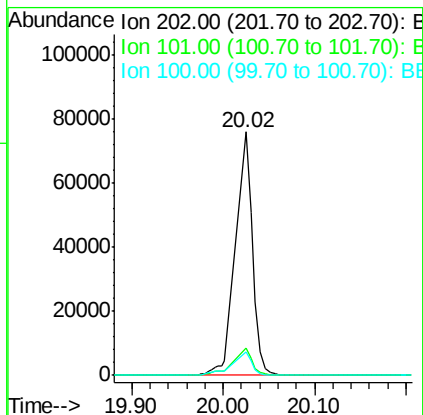
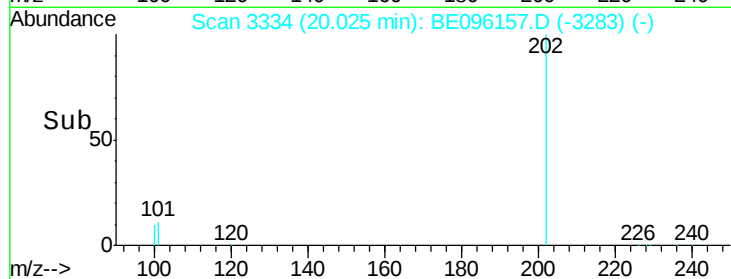
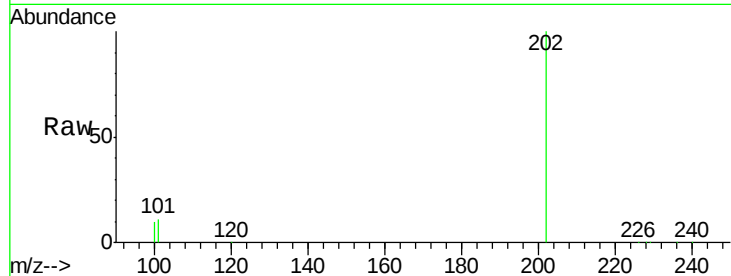
Tot Ion:202 Resp: 56037

Ion Ratio Lower Upper

202 100

101 11.1 18.2 27.4#

100 9.6 15.6 23.4#



#18

Benzo(a)anthracene

Concen: 2.751 ng/ul

RT: 21.73 min Scan# 3651

Delta R.T. -0.00 min

Lab File: BE096157.D

Acq: 25 Apr 2018 20:40

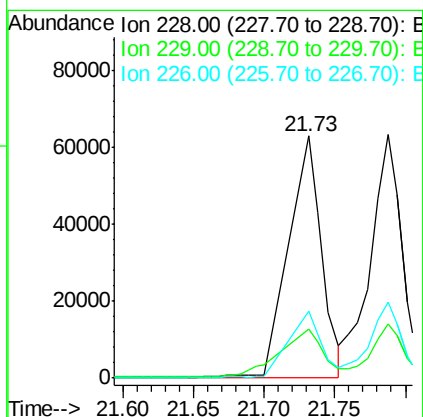
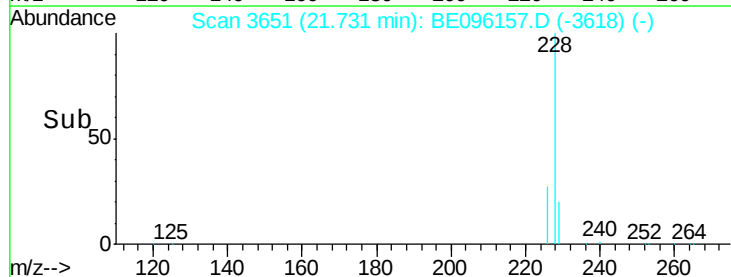
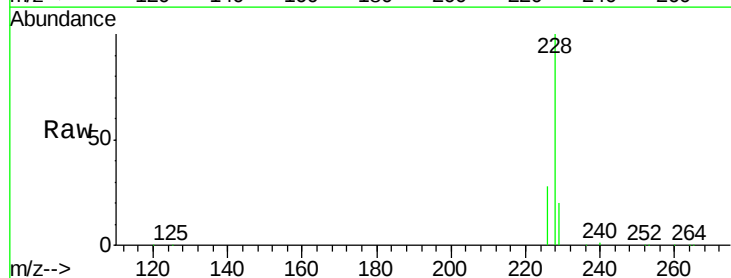
Tgt Ion:228 Resp: 60730

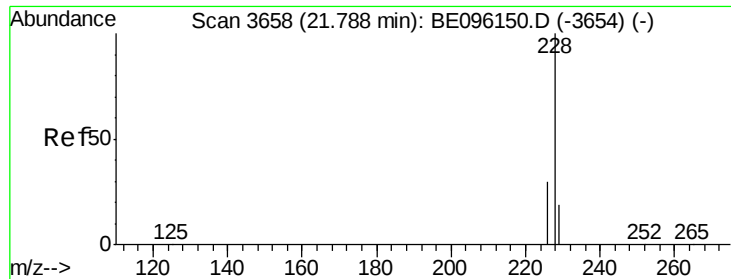
Ion Ratio Lower Upper

228 100

229 20.4 22.8 34.2#

226 27.6 17.0 25.6#





#19

Chrysene

Concen: 4.823 ng/ul

RT: 21.79 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BE096157.D

Acq: 25 Apr 2018 20:40

Instrument :

BNA_E

ClientSampleId :

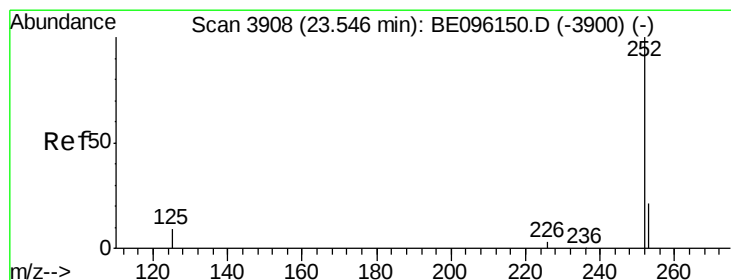
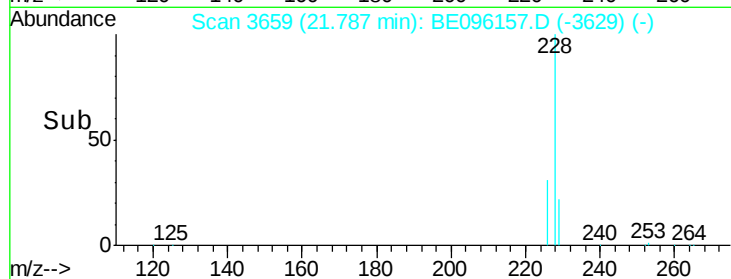
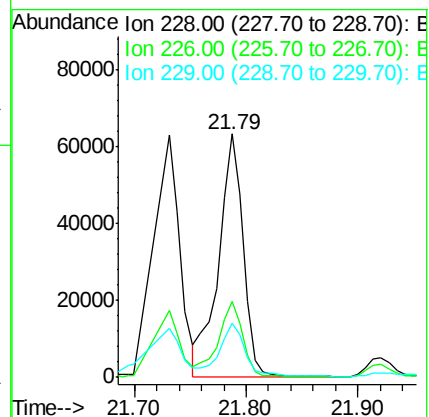
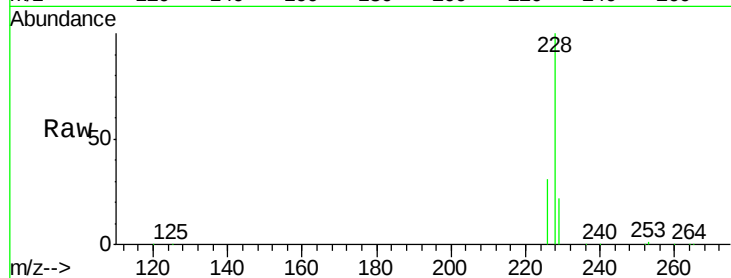
Tot Ion:228 Resp: 97824

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

229 22.1 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 10.124 ng/ul

RT: 23.55 min Scan# 3910

Delta R.T. 0.01 min

Lab File: BE096157.D

Acq: 25 Apr 2018 20:40

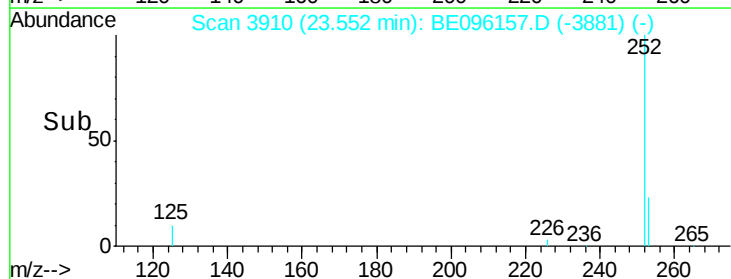
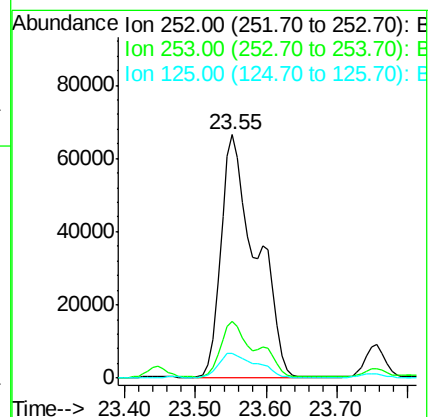
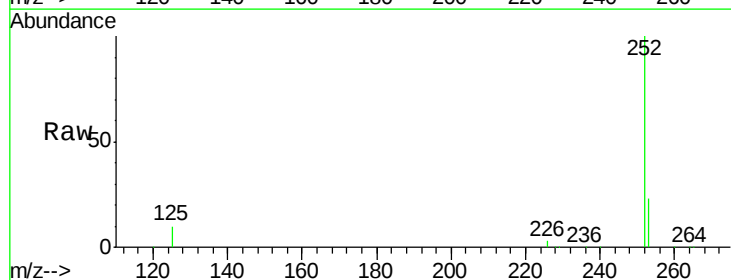
Tgt Ion:252 Resp: 229470

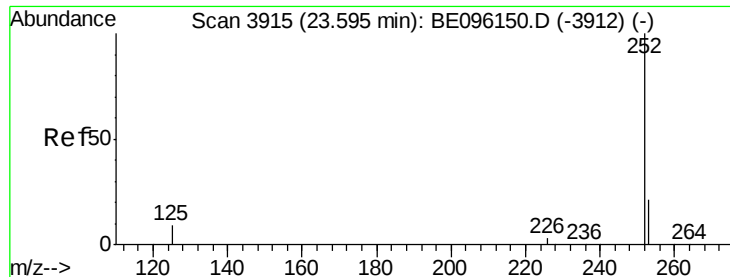
Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.2

125 10.4 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 10.590 ng/ul

RT: 23.55 min Scan# 3910

Delta R.T. -0.04 min

Lab File: BE096157.D

Acq: 25 Apr 2018 20:40

Instrument :

BNA_E

ClientSampleId :

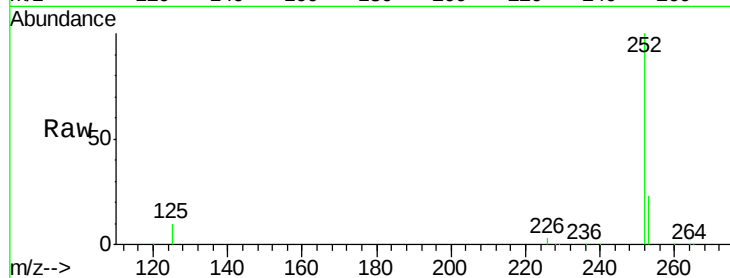
Tot Ion:252 Resp: 229470

Ion Ratio Lower Upper

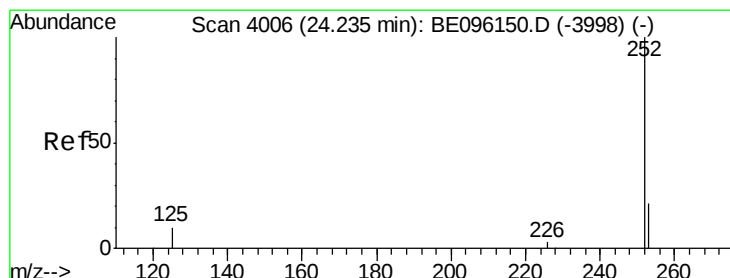
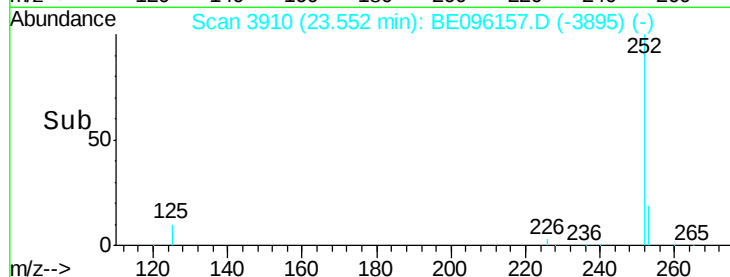
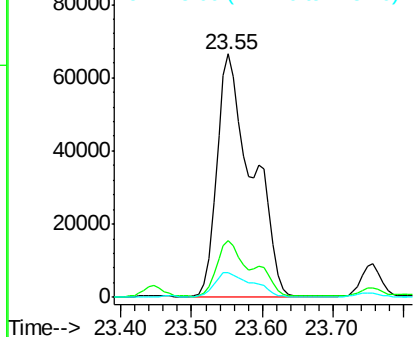
252 100

253 23.1 24.5 36.7#

125 10.4 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: 6.668 ng/ul

RT: 24.24 min Scan# 4008

Delta R.T. 0.01 min

Lab File: BE096157.D

Acq: 25 Apr 2018 20:40

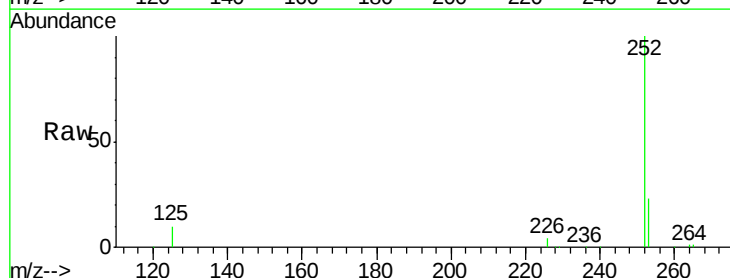
Tgt Ion:252 Resp: 131294

Ion Ratio Lower Upper

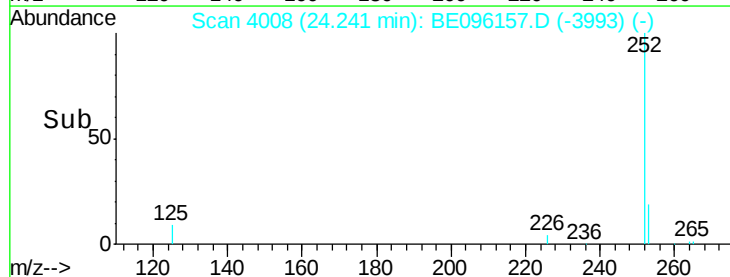
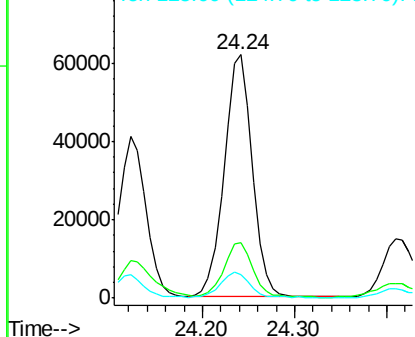
252 100

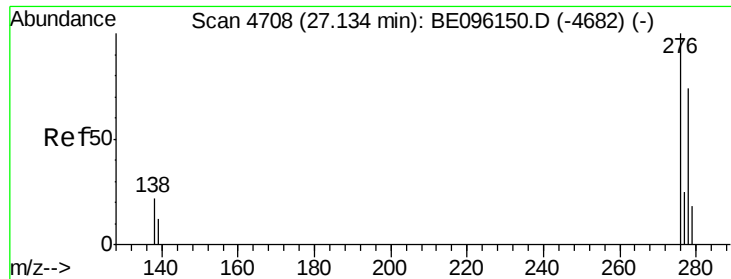
253 22.9 28.5 42.7#

125 9.9 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

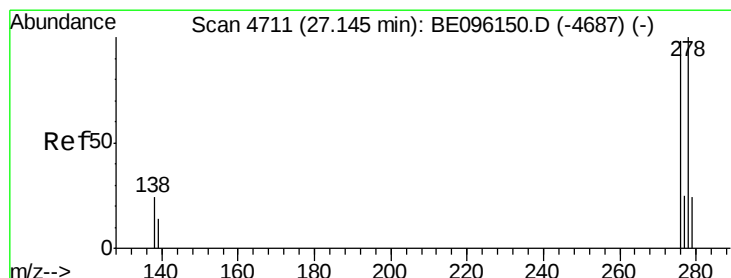
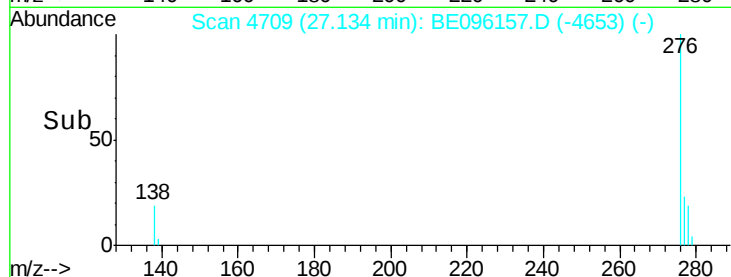
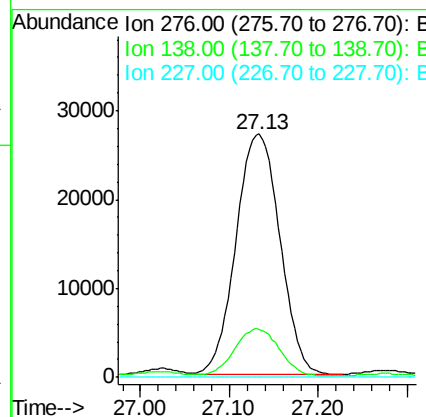
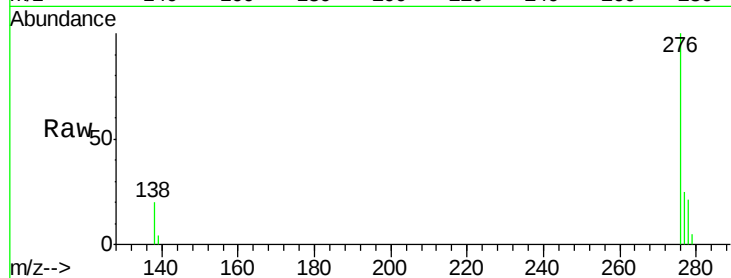




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 3.496 ng/ul
 RT: 27.13 min Scan# 4709
 Delta R.T. -0.00 min
 Lab File: BE096157.D
 Acq: 25 Apr 2018 20:40

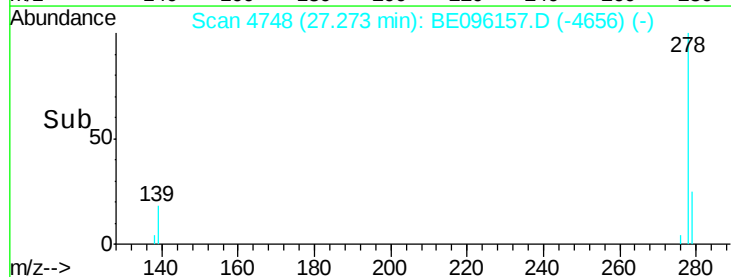
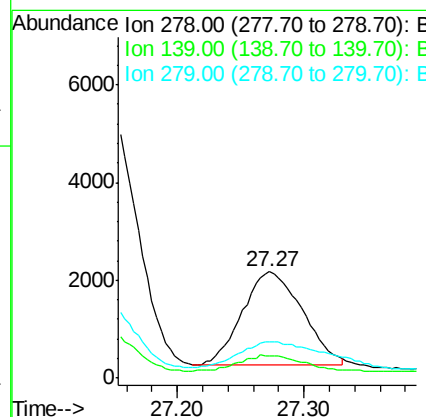
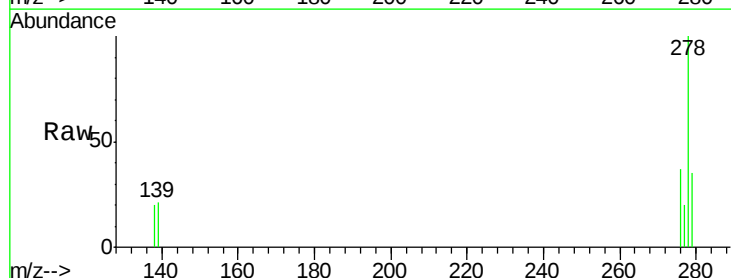
Instrument :
 BNA_E
 ClientSampleId :

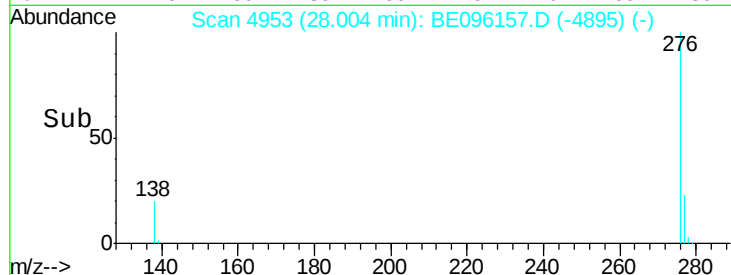
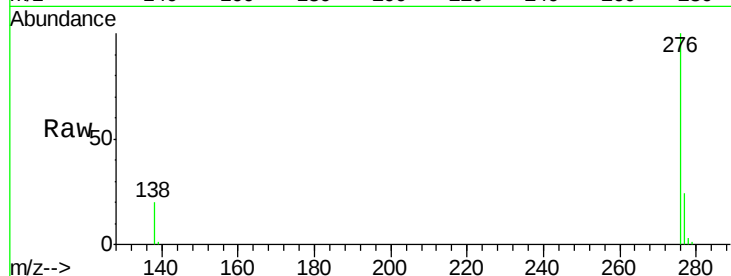
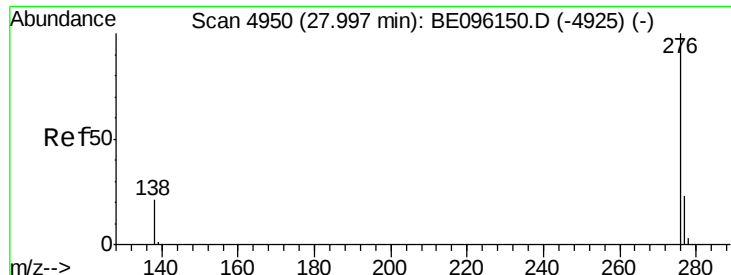
Tot Ion:276 Resp: 92745
 Ion Ratio Lower Upper
 276 100
 138 20.0 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.279 ng/ul
 RT: 27.27 min Scan# 4748
 Delta R.T. 0.13 min
 Lab File: BE096157.D
 Acq: 25 Apr 2018 20:40

Tgt Ion:278 Resp: 6207
 Ion Ratio Lower Upper
 278 100
 139 20.6 17.4 26.0
 279 34.6 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 4.212 ng/ul

RT: 28.00 min Scan# 4953

Delta R.T. 0.01 min

Lab File: BE096157.D

Acq: 25 Apr 2018 20:40

Instrument :

BNA_E

ClientSampleId :

Tot Ion:276 Resp: 97279

Ion Ratio Lower Upper

276 100

138 20.2 21.8 32.8#

277 24.1 20.5 30.7

