

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
 Data File : BE096325.D
 Acq On : 3 May 2018 16:11
 Operator : SJ/JU
 Sample : J2440-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A3Y07

Quant Time: May 04 14:17:05 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 03 13:17:47 2018
 Response via : Initial Calibration

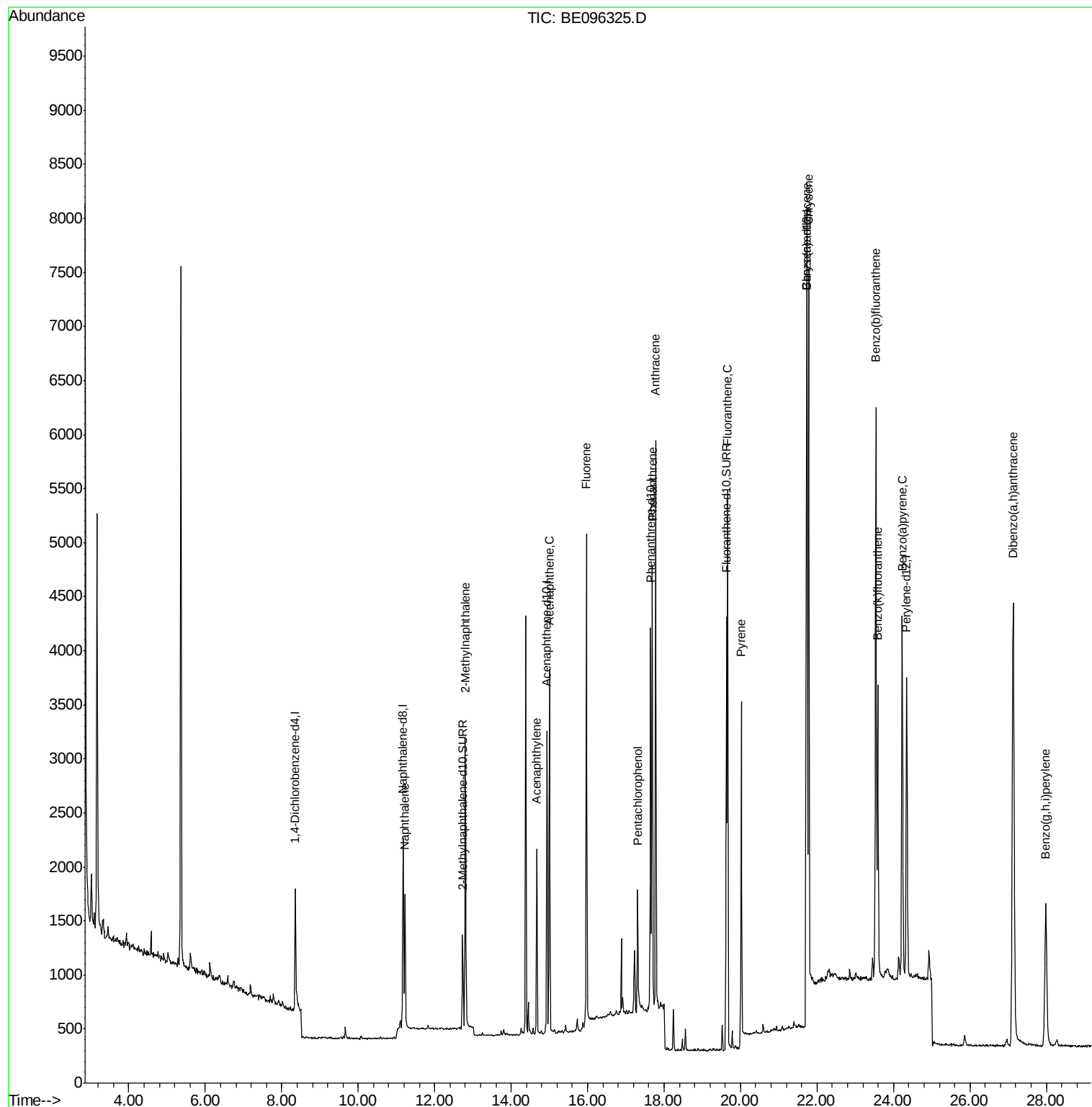
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	629	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	2487	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	1534	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.65	188	4146	0.40	ng/ul	0.00
16) Chrysene-d12	21.74	240	5453	0.40	ng/ul	0.00
20) Perylene-d12	24.34	264	4254	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	1160	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.63	212	4428	0.25	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.22	128	1729	0.253	ng/ul#	90
5) 2-Methylnaphthalene	12.80	142	2354	0.518	ng/ul	99
7) Acenaphthylene	14.67	152	2044	0.257	ng/ul	97
8) Acenaphthene	15.00	153	1929	0.336	ng/ul	94
9) Fluorene	15.97	166	3271	0.420	ng/ul	92
11) Pentachlorophenol	17.31	266	725	1.275	ng/ul	97
12) Phenanthrene	17.69	178	4370	0.350	ng/ul#	88
13) Anthracene	17.78	178	5774	0.479	ng/ul#	92
15) Fluoranthene	19.66	202	5818	0.328	ng/ul	84
17) Pyrene	20.02	202	1697	0.277	ng/ul#	77
18) Benzo(a)anthracene	21.73	228	2403	0.282	ng/ul#	88
19) Chrysene	21.78	228	6263	0.385	ng/ul	96
21) Benzo(b)fluoranthene	23.54	252	7698	0.529	ng/ul	86
22) Benzo(k)fluoranthene	23.59	252	3838	0.273	ng/ul	93
23) Benzo(a)pyrene	24.23	252	5360	0.393	ng/ul#	81
25) Dibenzo(a,h)anthracene	27.13	278	8288	0.671	ng/ul#	89
26) Benzo(a,h,i)perylene	27.99	276	3339	0.263	ng/ul	95

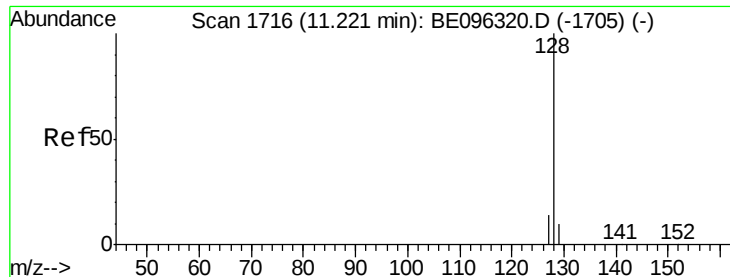
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.253 ng/ul

RT: 11.22 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

Instrument :

BNA_E

ClientSampleId :

A3Y07

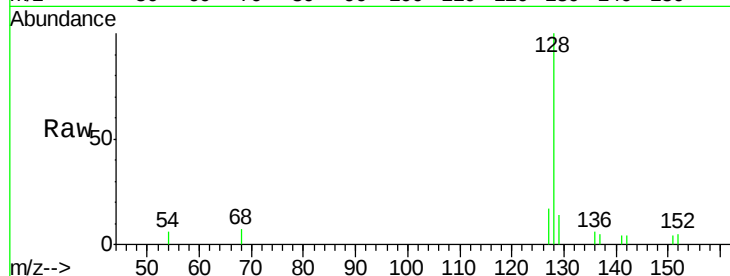
Tot Ion:128 Resp: 1729

Ion Ratio Lower Upper

128 100

129 14.4 11.3 16.9

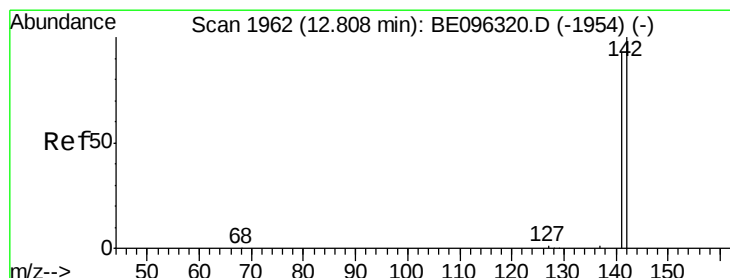
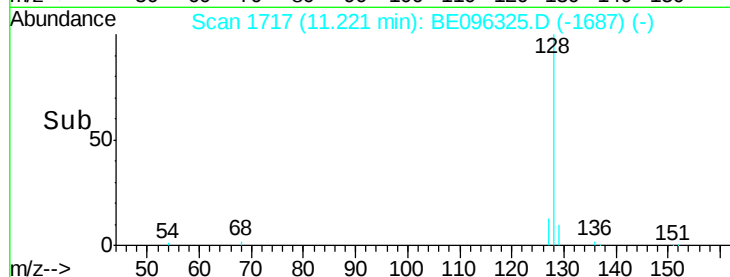
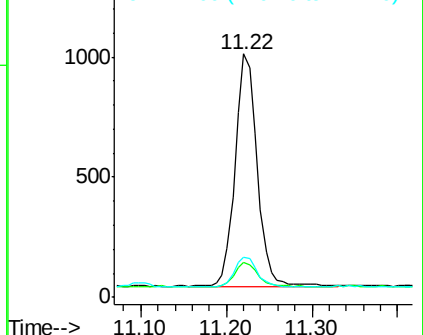
127 16.7 4.0 6.0#



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: 0.518 ng/ul

RT: 12.80 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BE096325.D

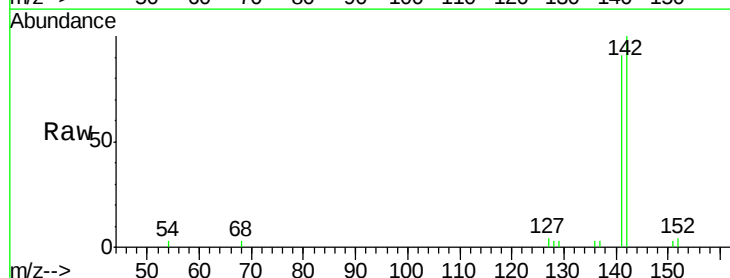
Acq: 3 May 2018 16:11

Tgt Ion:142 Resp: 2354

Ion Ratio Lower Upper

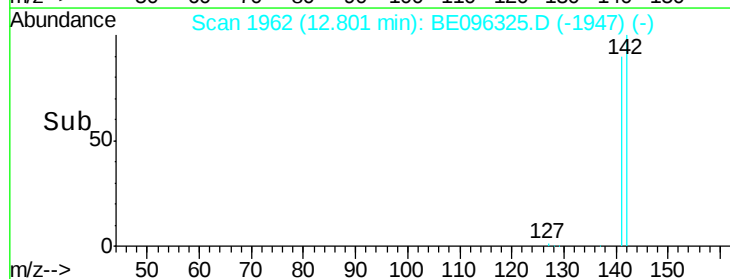
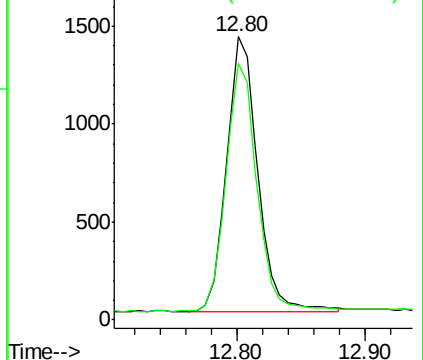
142 100

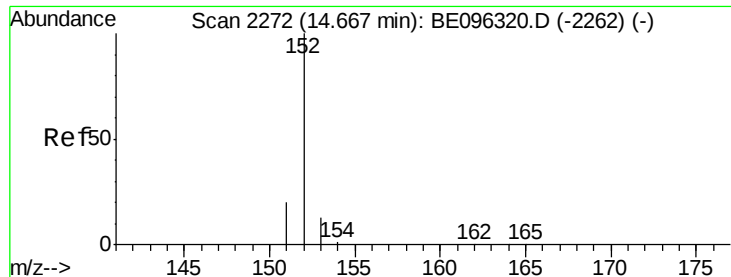
141 90.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.257 ng/ul

RT: 14.67 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

Instrument :

BNA_E

ClientSampleId :

A3Y07

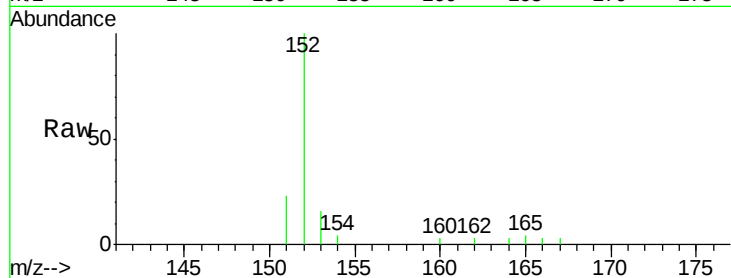
Tot Ion:152 Resp: 2044

Ion Ratio Lower Upper

152 100

151 23.2 17.1 25.7

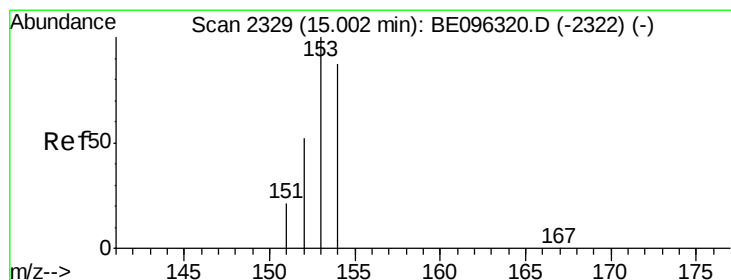
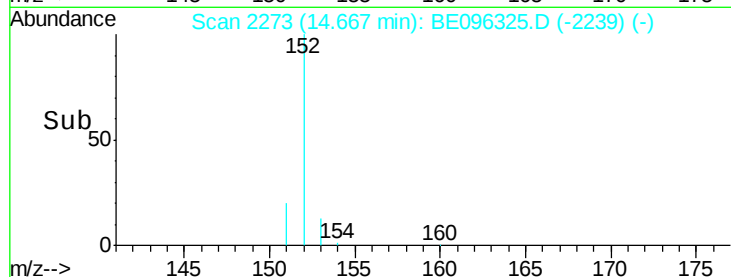
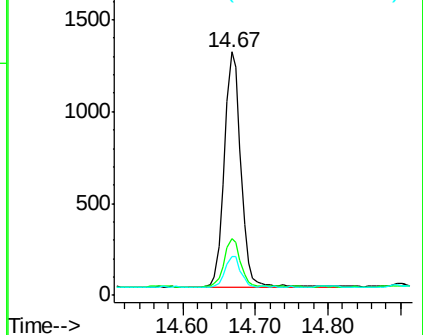
153 15.7 12.8 19.2



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: 0.336 ng/ul

RT: 15.00 min Scan# 2330

Delta R.T. 0.00 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

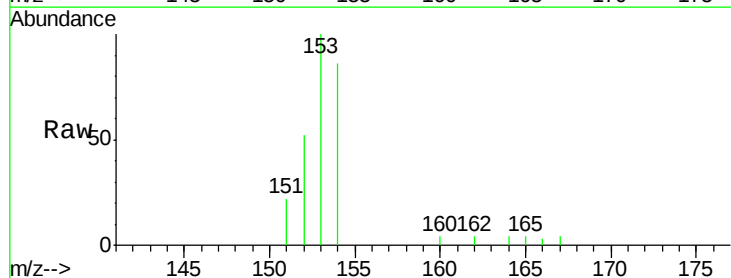
Tgt Ion:153 Resp: 1929

Ion Ratio Lower Upper

153 100

152 52.1 36.0 54.0

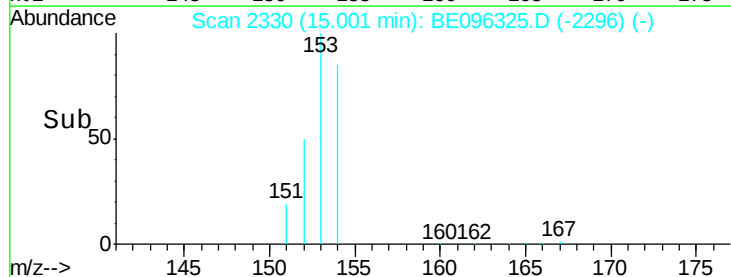
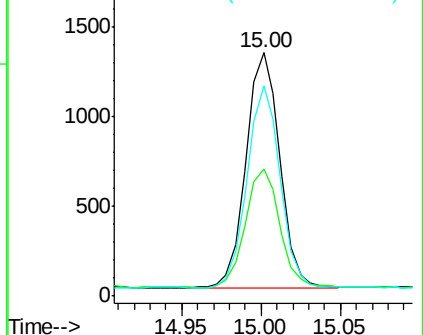
154 86.2 72.0 108.0

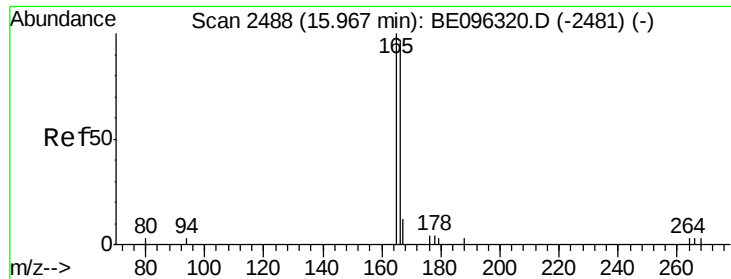


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.420 ng/ul

RT: 15.97 min Scan# 2489

Delta R.T. -0.01 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

Instrument :

BNA_E

ClientSampleId :

A3Y07

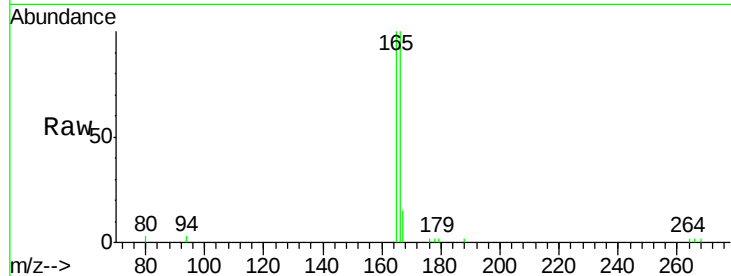
Tot Ion:166 Resp: 3271

Ion Ratio Lower Upper

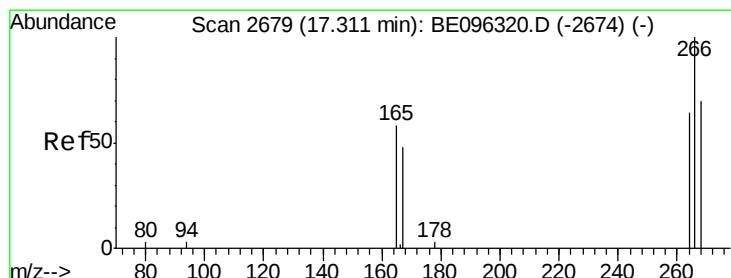
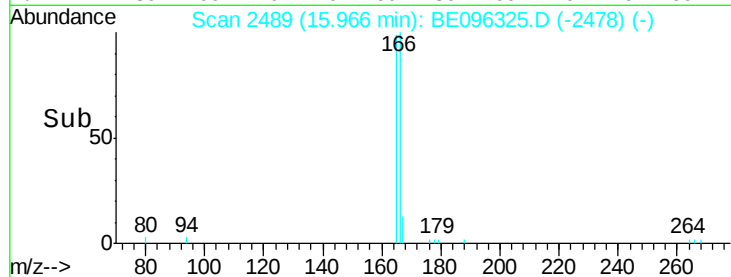
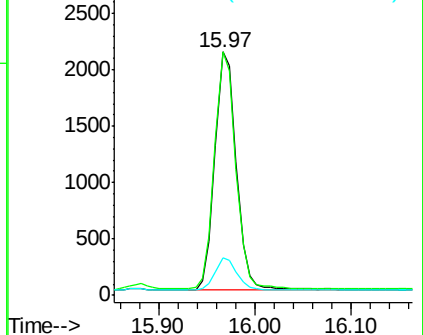
166 100

165 100.2 73.4 110.2

167 15.3 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



#11

Pentachlorophenol

Concen: 1.275 ng/ul

RT: 17.31 min Scan# 2680

Delta R.T. 0.00 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

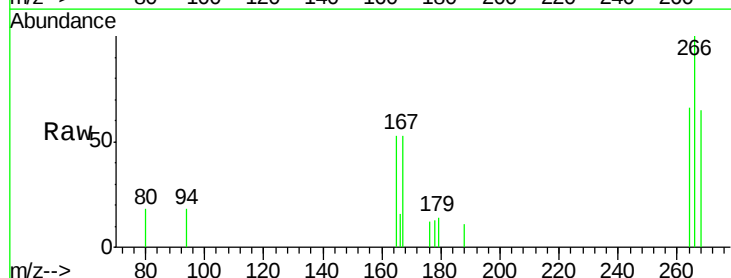
Tgt Ion:266 Resp: 725

Ion Ratio Lower Upper

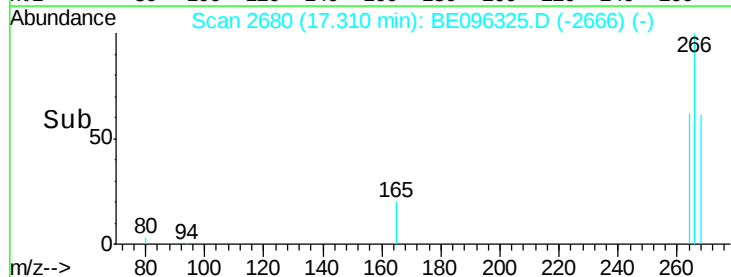
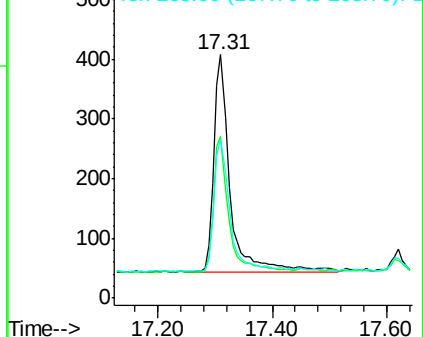
266 100

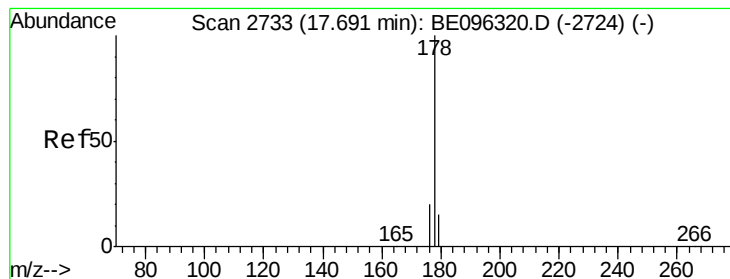
264 56.4 47.9 71.9

268 60.7 49.8 74.8



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.350 ng/ul

RT: 17.69 min Scan# 2734

Delta R.T. 0.00 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

Instrument :

BNA_E

ClientSampleId :

A3Y07

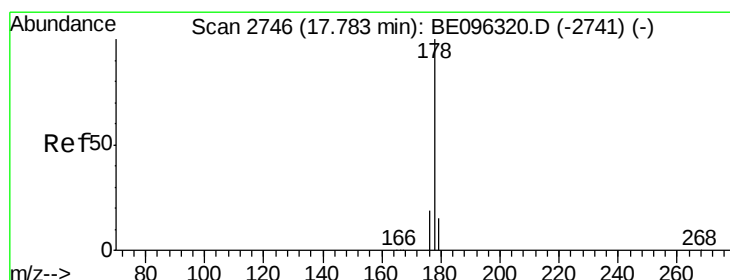
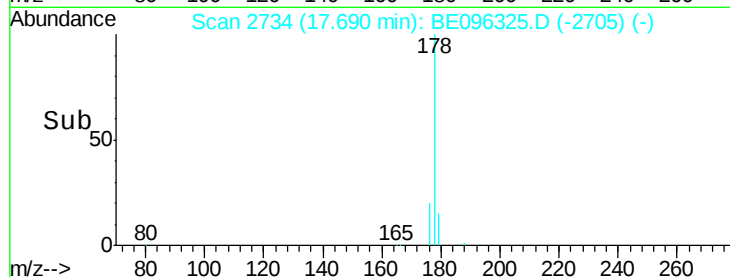
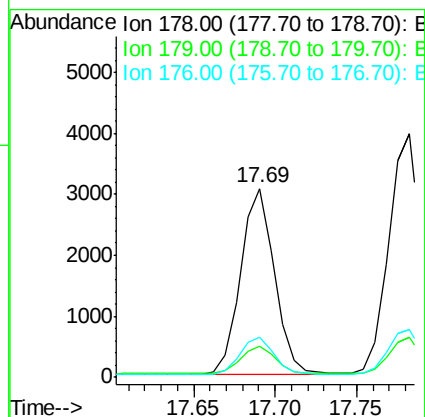
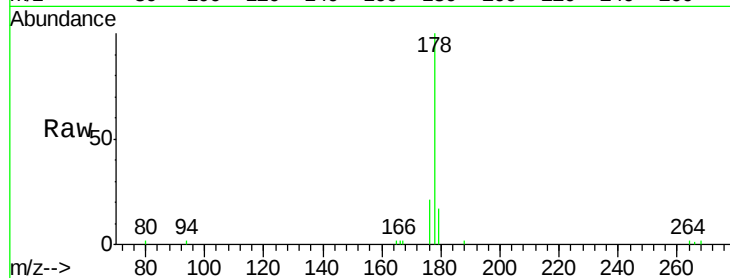
Tot Ion:178 Resp: 4370

Ion Ratio Lower Upper

178 100

179 16.6 18.4 27.6#

176 21.3 13.6 20.4#



#13

Anthracene

Concen: 0.479 ng/ul

RT: 17.78 min Scan# 2747

Delta R.T. 0.00 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

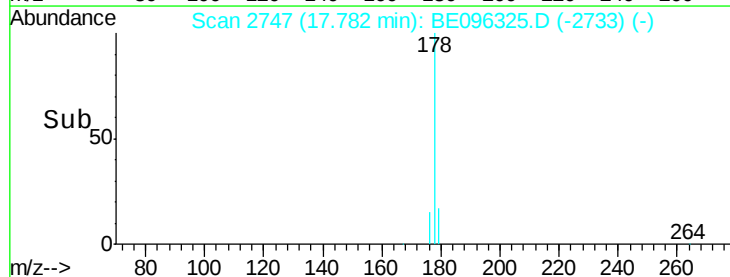
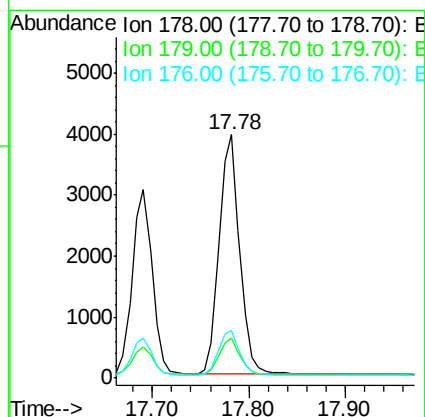
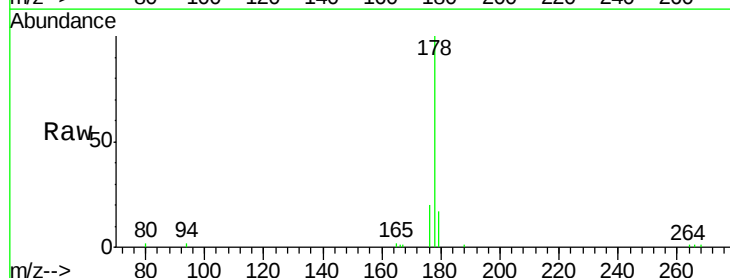
Tgt Ion:178 Resp: 5774

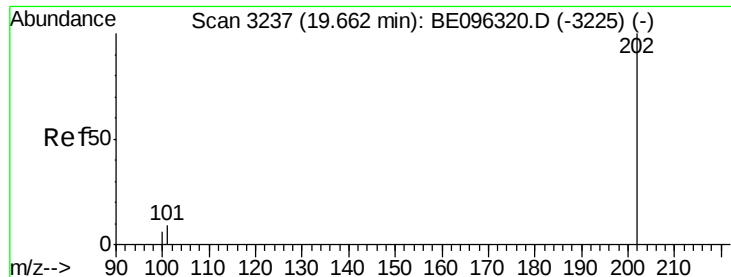
Ion Ratio Lower Upper

178 100

179 16.5 18.1 27.1#

176 19.6 14.7 22.1





#15

Fluoranthene

Concen: 0.328 ng/ul

RT: 19.66 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

Instrument :

BNA_E

ClientSampleId :

A3Y07

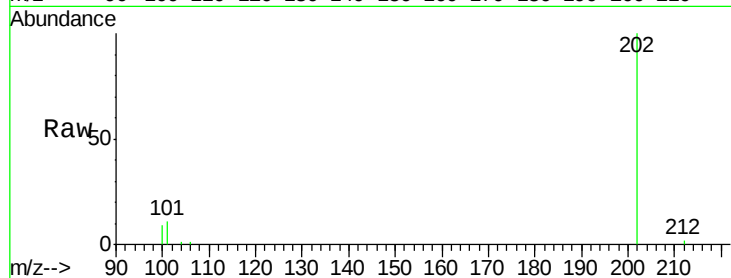
Tot Ion:202 Resp: 5818

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

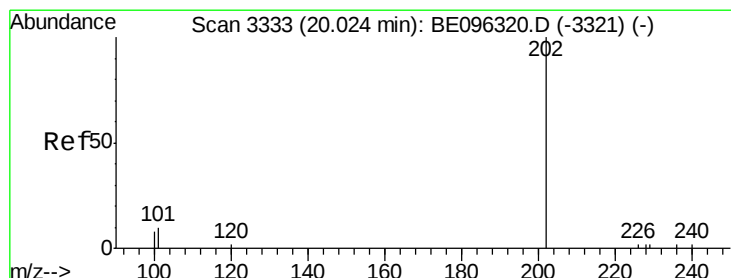
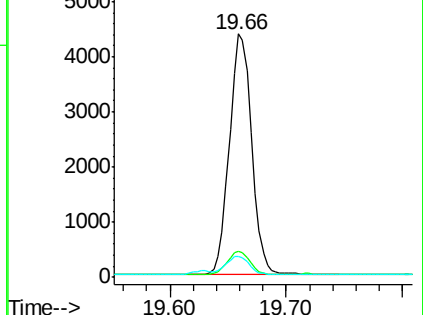
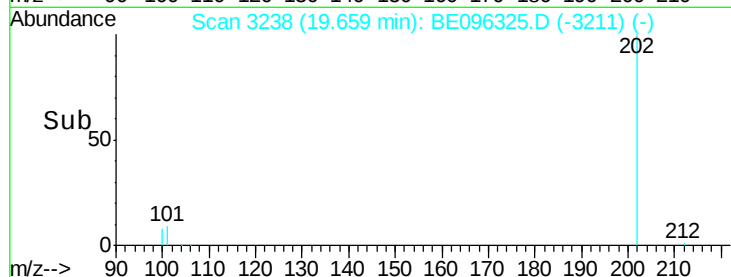
100 8.7 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.277 ng/ul

RT: 20.02 min Scan# 3334

Delta R.T. -0.00 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

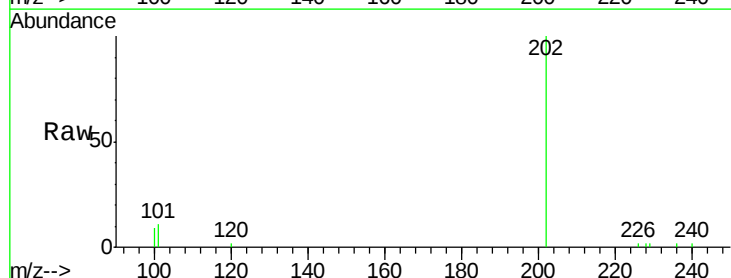
Tgt Ion:202 Resp: 1697

Ion Ratio Lower Upper

202 100

101 11.4 18.2 27.4#

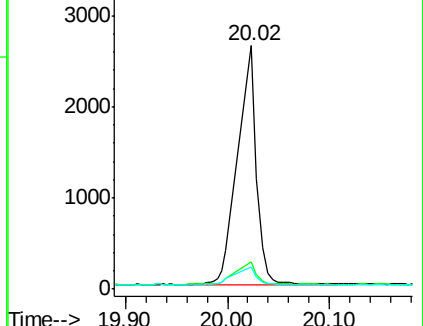
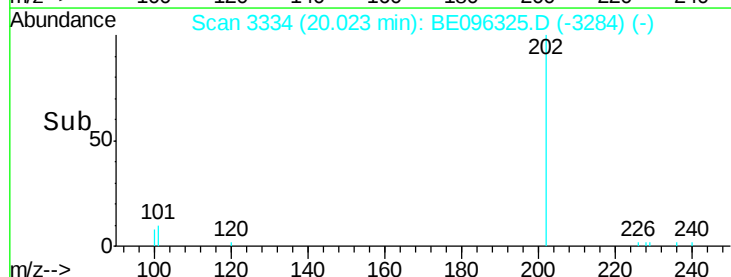
100 9.4 15.6 23.4#

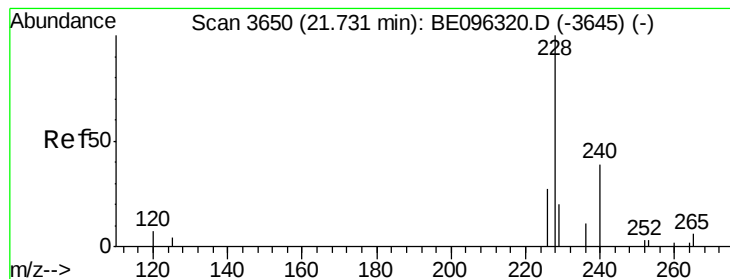


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.282 ng/ul

RT: 21.73 min Scan# 3651

Delta R.T. 0.00 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

Instrument :

BNA_E

ClientSampleId :

A3Y07

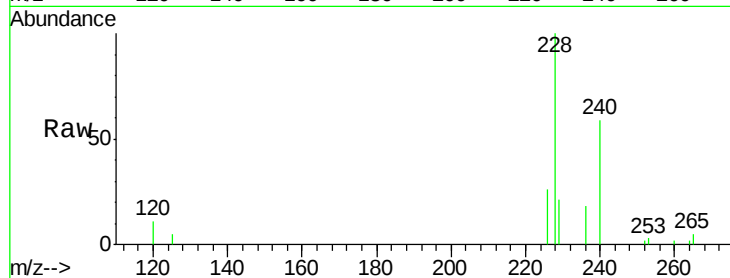
Tot Ion:228 Resp: 2403

Ion Ratio Lower Upper

228 100

229 21.2 22.8 34.2#

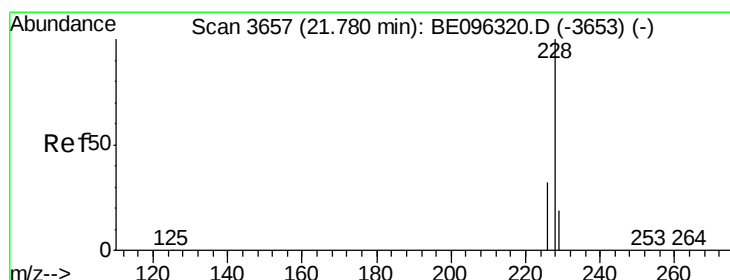
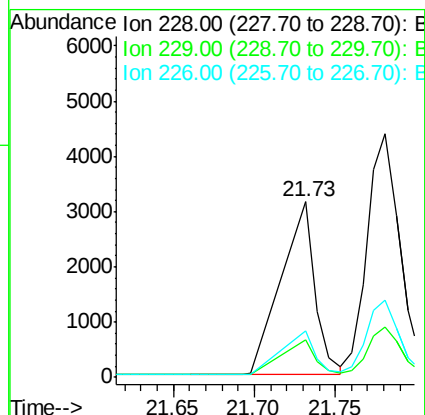
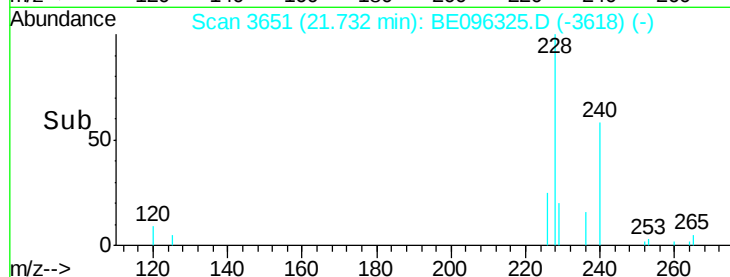
226 26.4 17.0 25.6#



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: 0.385 ng/ul

RT: 21.78 min Scan# 3658

Delta R.T. 0.00 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

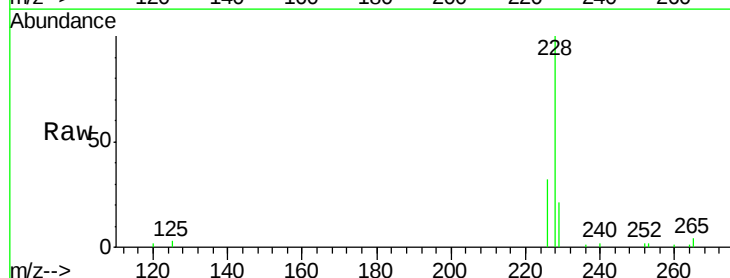
Tgt Ion:228 Resp: 6263

Ion Ratio Lower Upper

228 100

226 31.7 23.4 35.0

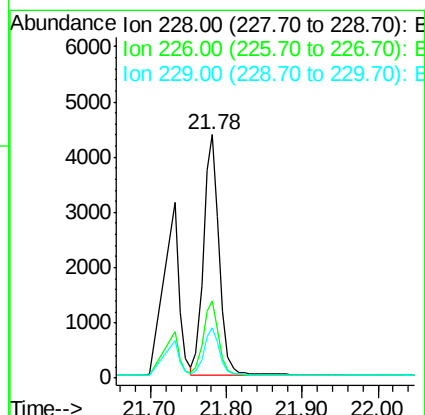
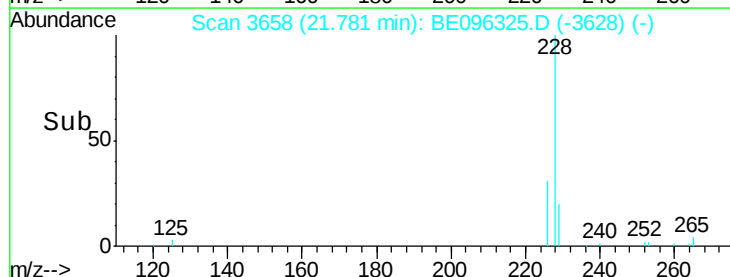
229 20.9 17.7 26.5

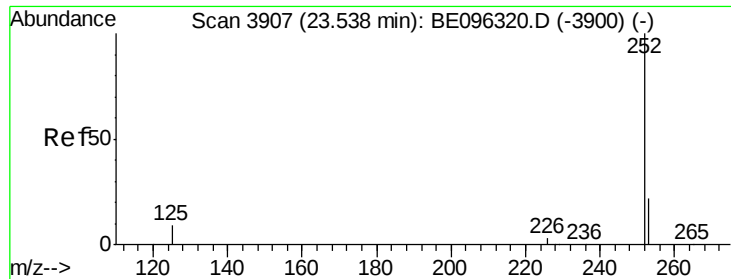


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

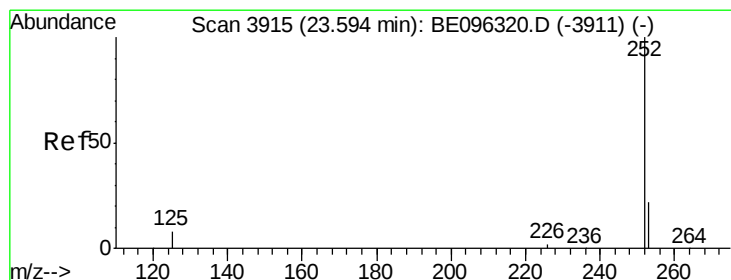
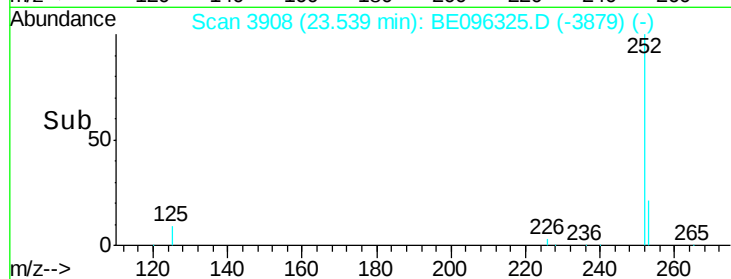
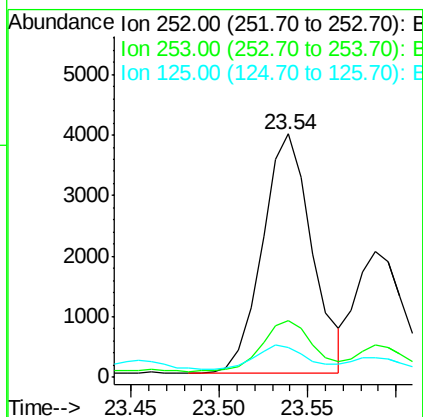
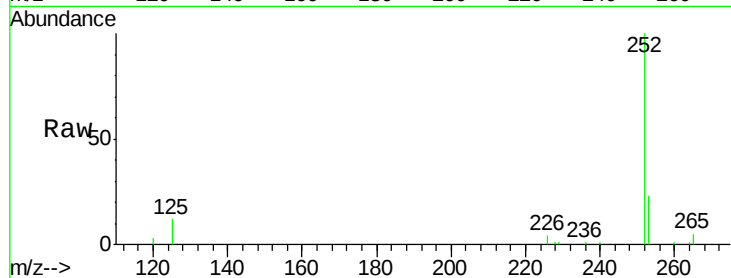




#21
Benzo(b)fluoranthene
Concen: 0.529 ng/ul
RT: 23.54 min Scan# 3908
Delta R.T. 0.00 min
Lab File: BE096325.D
Acq: 3 May 2018 16:11

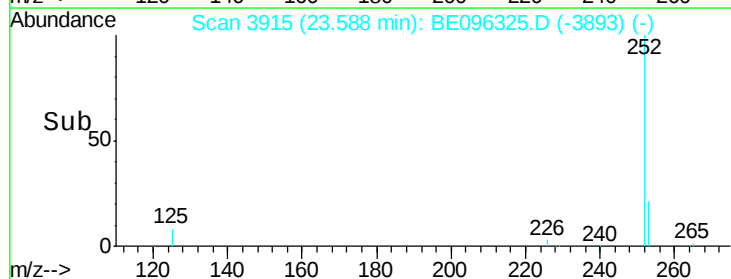
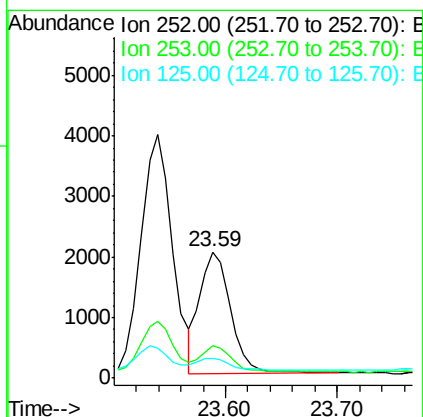
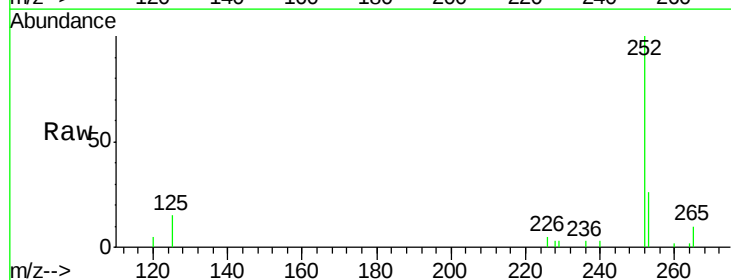
Instrument :
BNA_E
ClientSampleId :
A3Y07

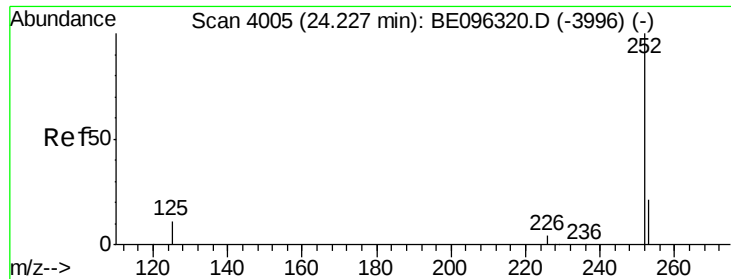
Tot Ion:252 Resp: 7698
Ion Ratio Lower Upper
252 100
253 23.4 0.0 64.2
125 12.5 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.273 ng/ul
RT: 23.59 min Scan# 3915
Delta R.T. 0.00 min
Lab File: BE096325.D
Acq: 3 May 2018 16:11

Tgt Ion:252 Resp: 3838
Ion Ratio Lower Upper
252 100
253 25.6 24.5 36.7
125 15.2 13.7 20.5





#23

Benzo(a)pyrene

Concen: 0.393 ng/ul

RT: 24.23 min Scan# 4006

Delta R.T. 0.00 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

Instrument :

BNA_E

ClientSampleId :

A3Y07

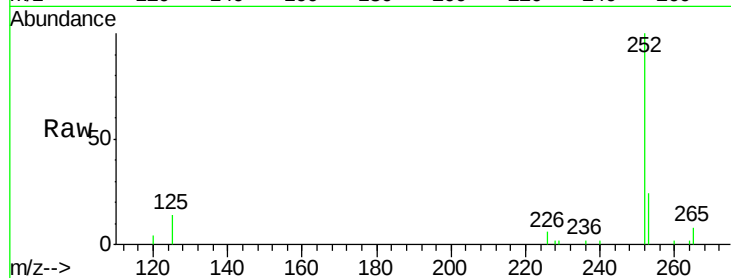
Tot Ion:252 Resp: 5360

Ion Ratio Lower Upper

252 100

253 24.2 28.5 42.7#

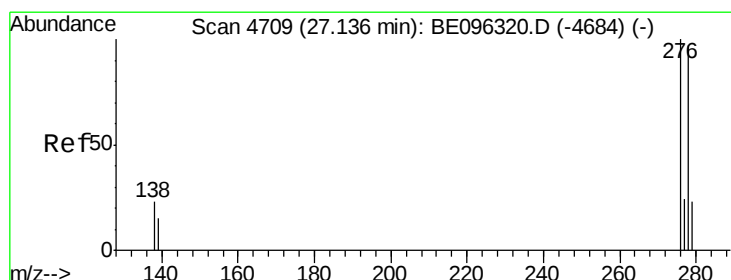
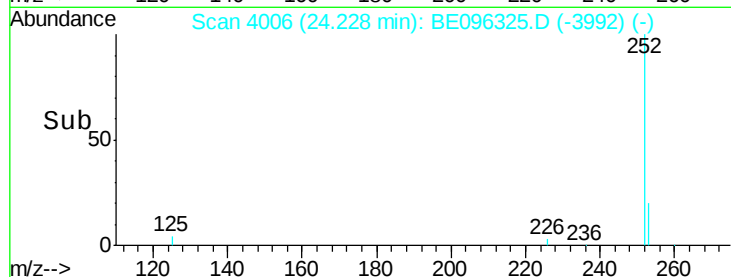
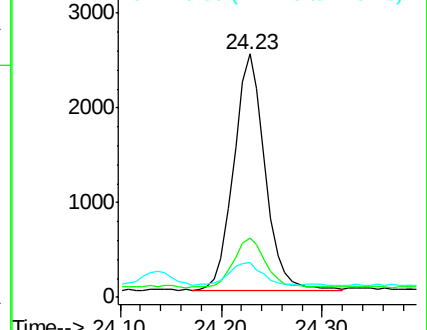
125 14.4 18.1 27.1#



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



#25

Dibenzo(a,h)anthracene

Concen: 0.671 ng/ul

RT: 27.13 min Scan# 4708

Delta R.T. -0.01 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

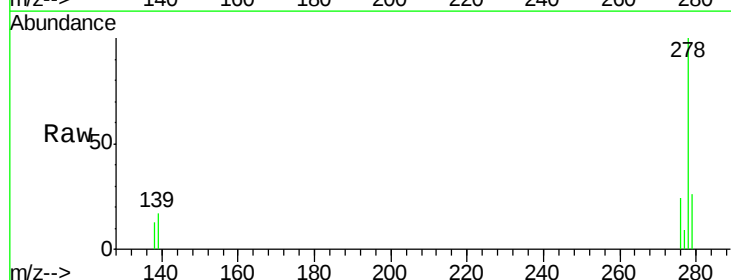
Tgt Ion:278 Resp: 8288

Ion Ratio Lower Upper

278 100

139 16.8 17.4 26.0#

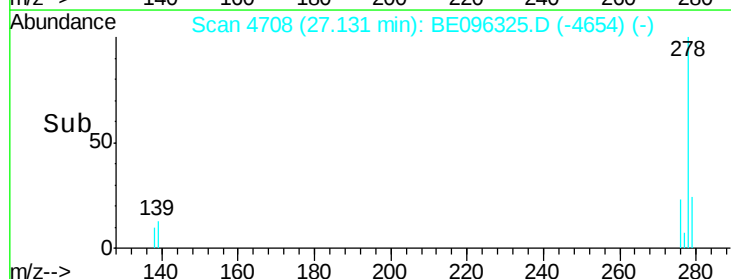
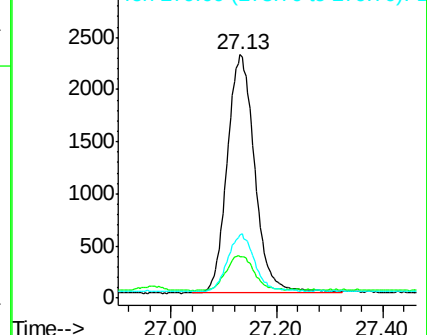
279 25.7 25.9 38.9#

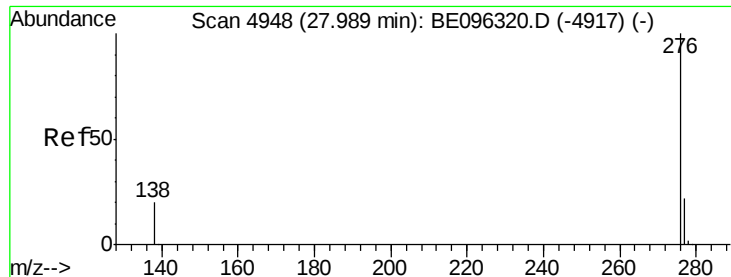


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.263 ng/ul

RT: 27.99 min Scan# 4948

Delta R.T. 0.00 min

Lab File: BE096325.D

Acq: 3 May 2018 16:11

Instrument :

BNA_E

ClientSampleId :

A3Y07

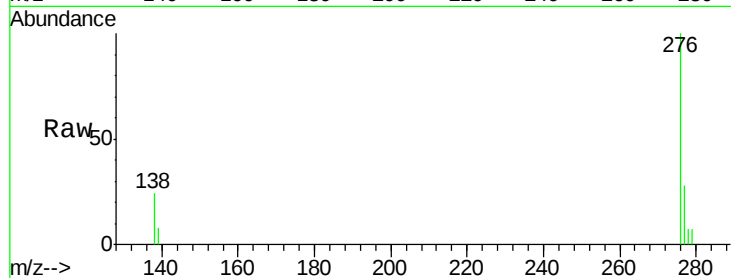
Tot Ion:276 Resp: 3339

Ion Ratio Lower Upper

276 100

138 24.2 21.8 32.8

277 27.6 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

