

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
 Data File : BE096328.D
 Acq On : 3 May 2018 18:12
 Operator : SJ/JU
 Sample : J2440-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A3Y12

Quant Time: May 04 08:15:31 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

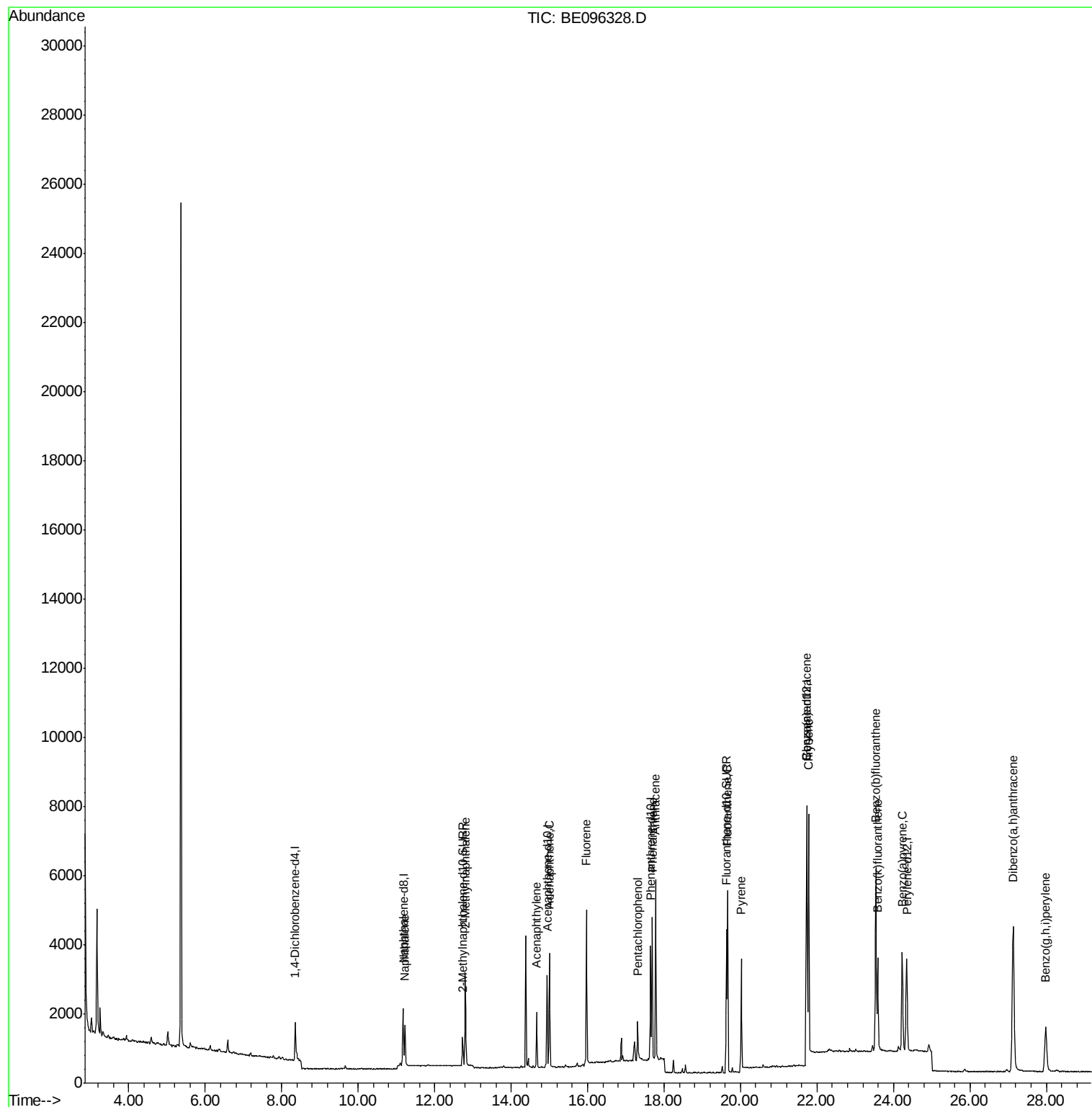
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	597	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	2378	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	1475	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.65	188	4041	0.40	ng/ul	0.00
16) Chrysene-d12	21.74	240	5345	0.40	ng/ul	0.00
20) Perylene-d12	24.35	264	4126	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	1156	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.63	212	4530	0.26	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.22	128	1665	0.255	ng/ul#	89
5) 2-Methylnaphthalene	12.80	142	2335	0.537	ng/ul	99
7) Acenaphthylene	14.67	152	1891	0.247	ng/ul	97
8) Acenaphthene	15.00	153	1922	0.348	ng/ul#	92
9) Fluorene	15.97	166	3224	0.430	ng/ul	91
11) Pentachlorophenol	17.31	266	695	1.254	ng/ul	93
12) Phenanthrene	17.69	178	4389	0.361	ng/ul#	88
13) Anthracene	17.78	178	5559	0.473	ng/ul#	92
15) Fluoranthene	19.66	202	5998	0.347	ng/ul	84
17) Pyrene	20.02	202	1711	0.285	ng/ul#	76
18) Benzo(a)anthracene	21.73	228	2547	0.305	ng/ul#	88
19) Chrysene	21.78	228	6413	0.402	ng/ul	95
21) Benzo(b)fluoranthene	23.54	252	7857	0.557	ng/ul	86
22) Benzo(k)fluoranthene	23.59	252	3850	0.282	ng/ul	91
23) Benzo(a)pyrene	24.23	252	5101	0.386	ng/ul#	83
25) Dibenzo(a,h)anthracene	27.13	278	8421	0.703	ng/ul#	90
26) Benzo(a,h,i)perylene	27.98	276	3467	0.281	ng/ul	95

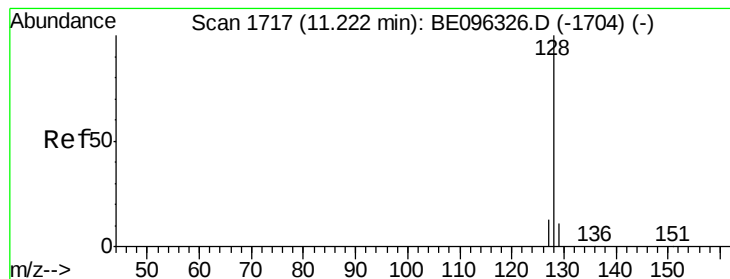
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.255 ng/ul

RT: 11.22 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BE096328.D

Acq: 3 May 2018 18:12

Instrument :

BNA_E

ClientSampleId :

A3Y12

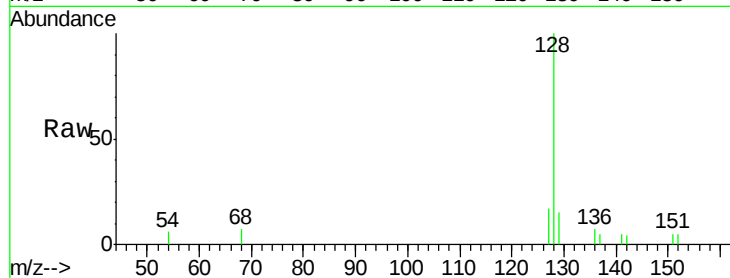
Tot Ion:128 Resp: 1665

Ion Ratio Lower Upper

128 100

129 14.8 11.3 16.9

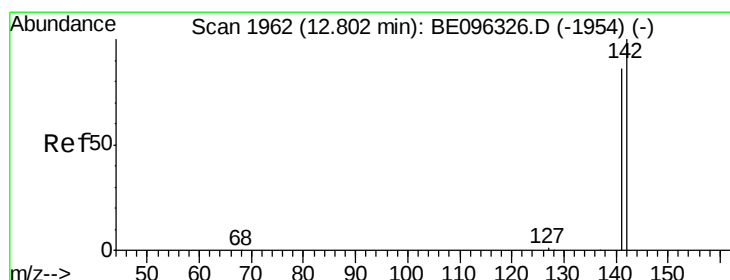
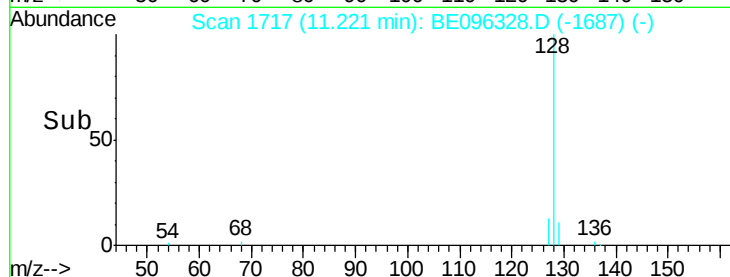
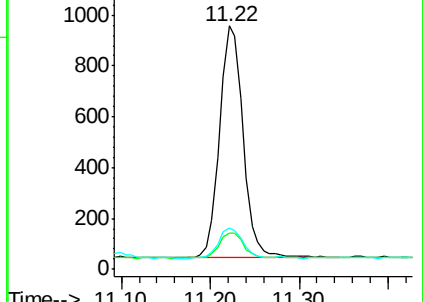
127 17.2 4.0 6.0#



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: 0.537 ng/ul

RT: 12.80 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BE096328.D

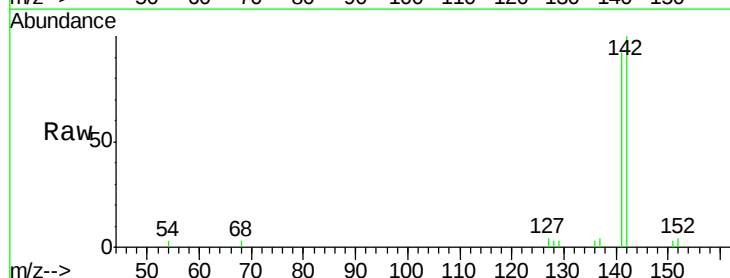
Acq: 3 May 2018 18:12

Tgt Ion:142 Resp: 2335

Ion Ratio Lower Upper

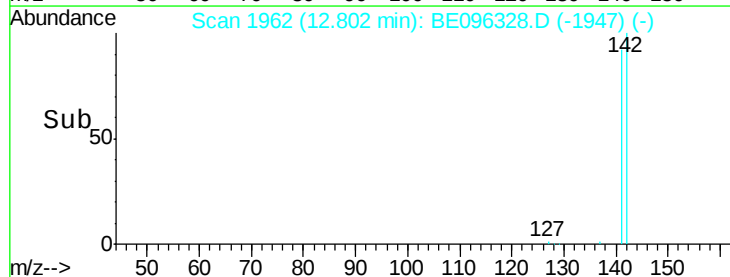
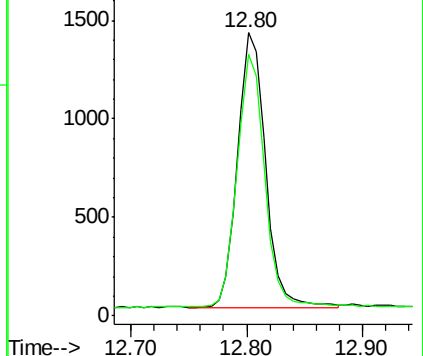
142 100

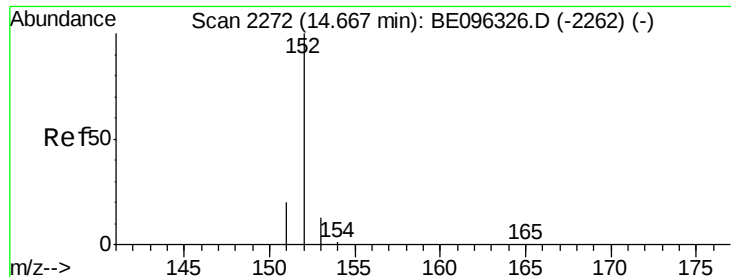
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.247 ng/ul

RT: 14.67 min Scan# 2272

Delta R.T. 0.00 min

Lab File: BE096328.D

Acq: 3 May 2018 18:12

Instrument :

BNA_E

ClientSampleId :

A3Y12

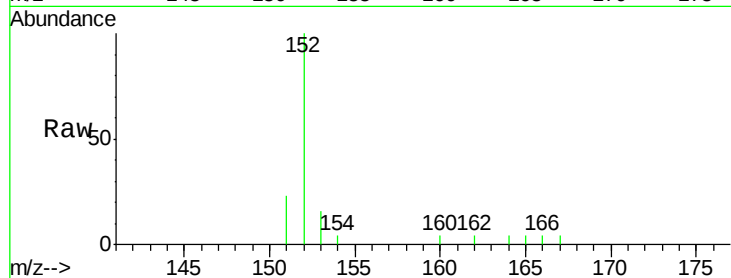
Tot Ion:152 Resp: 1891

Ion Ratio Lower Upper

152 100

151 23.4 17.1 25.7

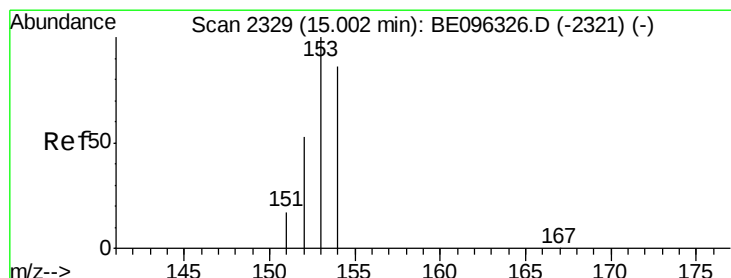
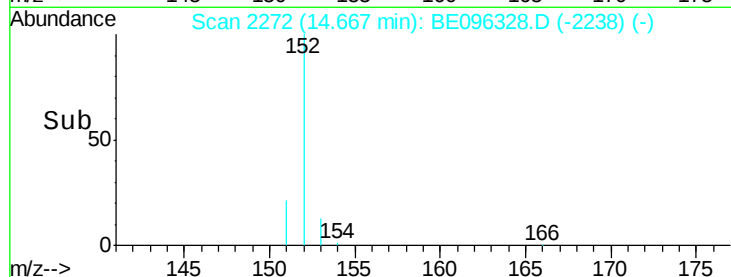
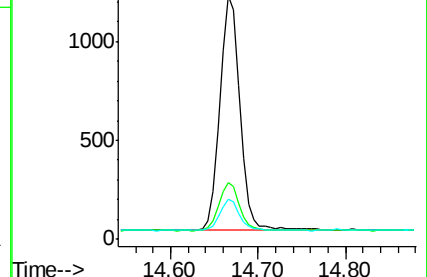
153 16.4 12.8 19.2



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: 0.348 ng/ul

RT: 15.00 min Scan# 2329

Delta R.T. 0.00 min

Lab File: BE096328.D

Acq: 3 May 2018 18:12

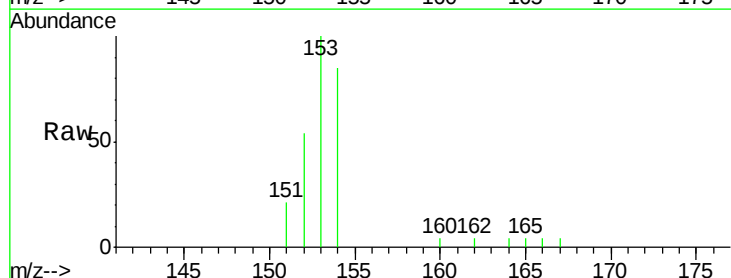
Tgt Ion:153 Resp: 1922

Ion Ratio Lower Upper

153 100

152 54.2 36.0 54.0#

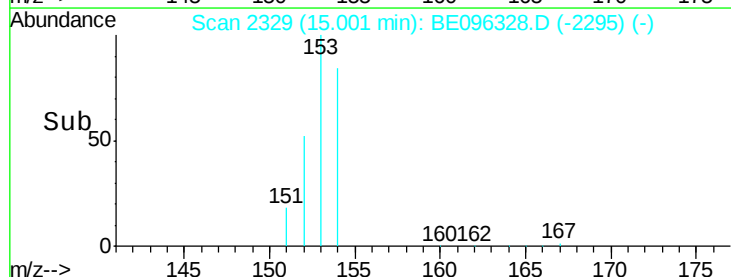
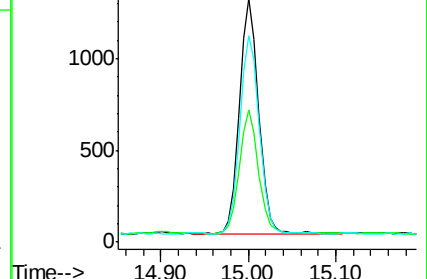
154 84.9 72.0 108.0

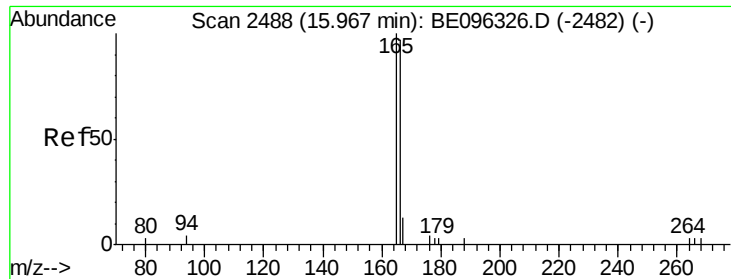


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.430 ng/ul

RT: 15.97 min Scan# 2489

Delta R.T. 0.00 min

Lab File: BE096328.D

Acq: 3 May 2018 18:12

Instrument :

BNA_E

ClientSampleId :

A3Y12

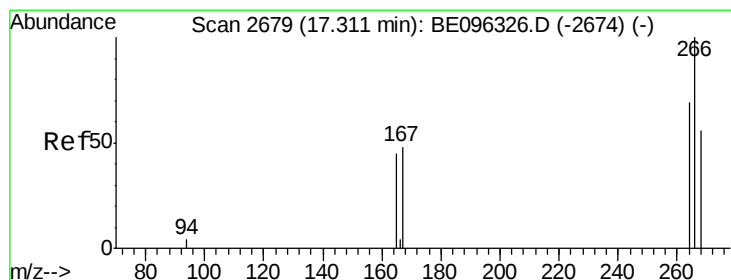
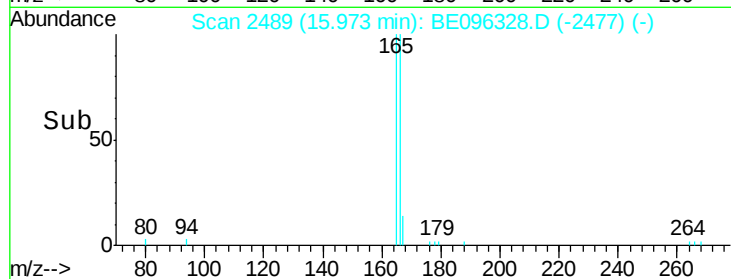
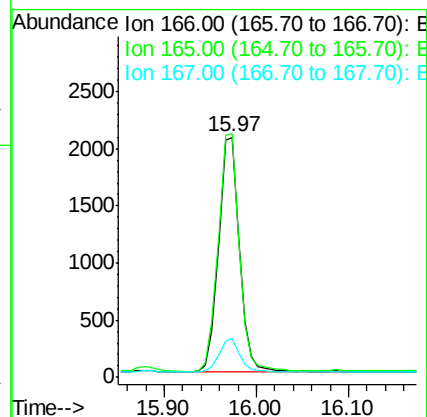
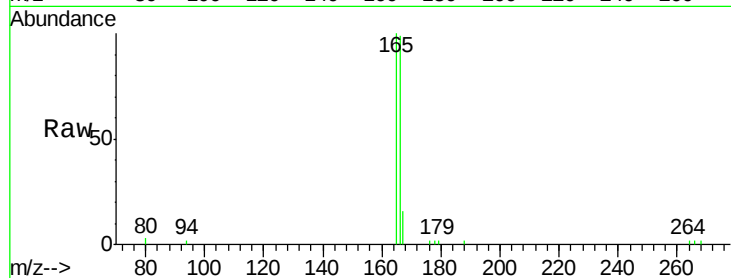
Tot Ion:166 Resp: 3224

Ion Ratio Lower Upper

166 100

165 101.3 73.4 110.2

167 16.1 14.6 22.0



#11

Pentachlorophenol

Concen: 1.254 ng/ul

RT: 17.31 min Scan# 2679

Delta R.T. -0.00 min

Lab File: BE096328.D

Acq: 3 May 2018 18:12

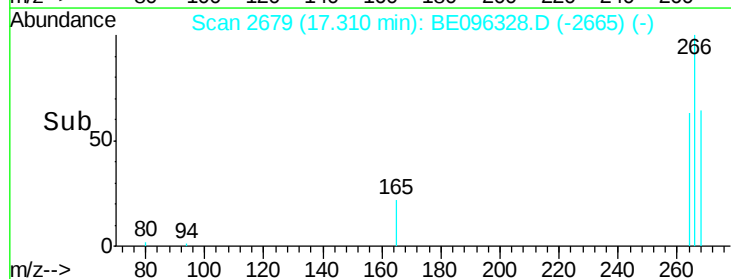
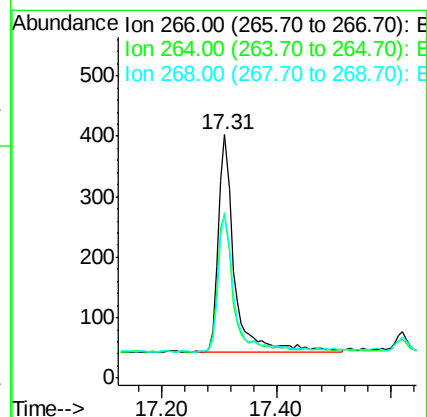
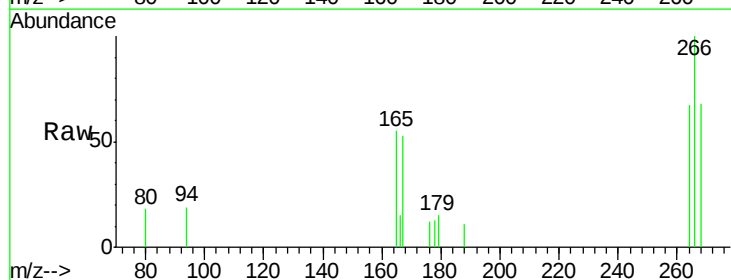
Tgt Ion:266 Resp: 695

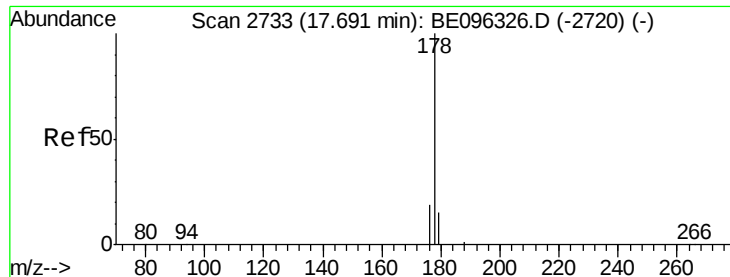
Ion Ratio Lower Upper

266 100

264 66.8 47.9 71.9

268 65.6 49.8 74.8





#12

Phenanthrene

Concen: 0.361 ng/ul

RT: 17.69 min Scan# 2733

Delta R.T. 0.00 min

Lab File: BE096328.D

Acq: 3 May 2018 18:12

Instrument :

BNA_E

ClientSampleId :

A3Y12

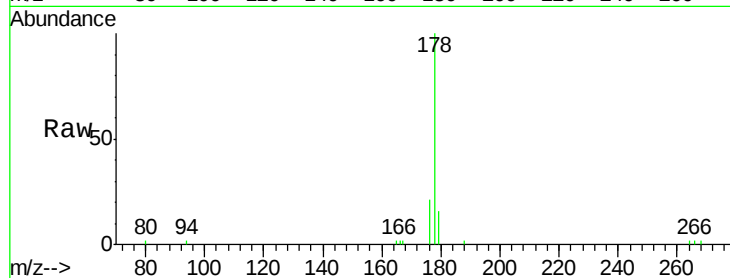
Tot Ion:178 Resp: 4389

Ion Ratio Lower Upper

178 100

179 16.2 18.4 27.6#

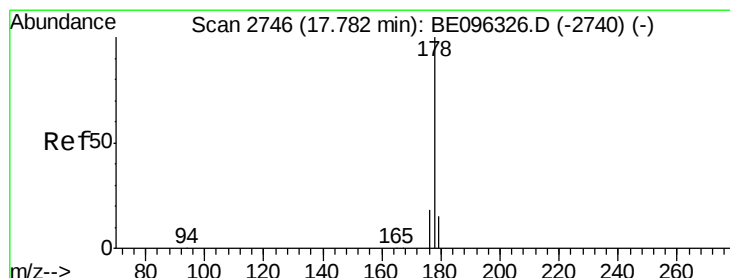
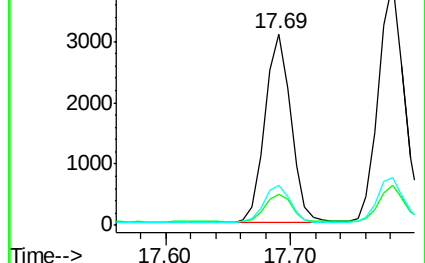
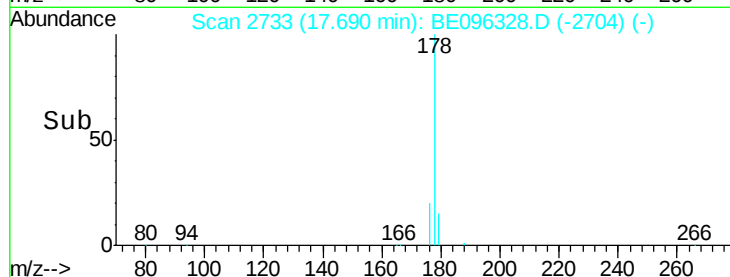
176 21.1 13.6 20.4#



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: 0.473 ng/ul

RT: 17.78 min Scan# 2746

Delta R.T. 0.00 min

Lab File: BE096328.D

Acq: 3 May 2018 18:12

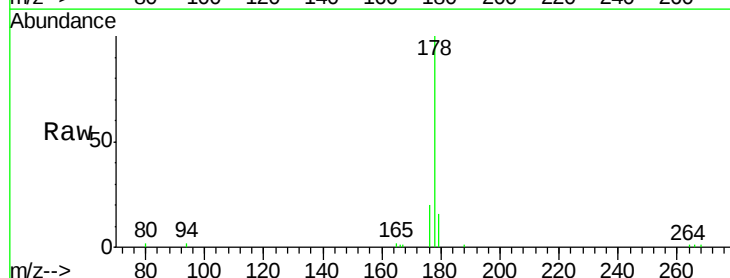
Tgt Ion:178 Resp: 5559

Ion Ratio Lower Upper

178 100

179 16.4 18.1 27.1#

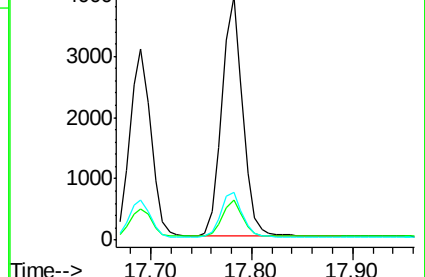
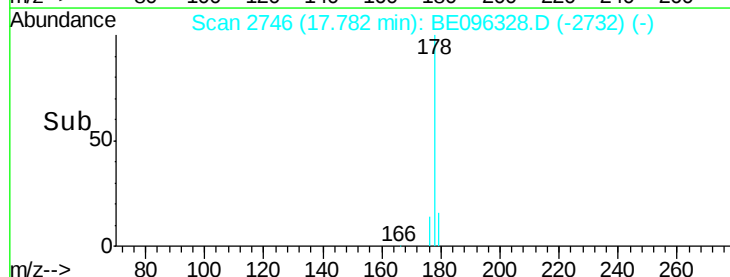
176 19.5 14.7 22.1

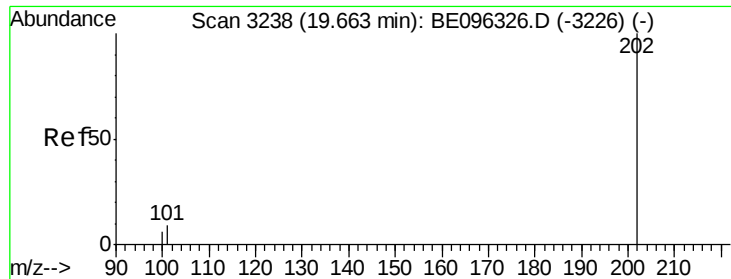


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.347 ng/ul

RT: 19.66 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BE096328.D

Acq: 3 May 2018 18:12

Instrument :

BNA_E

ClientSampleId :

A3Y12

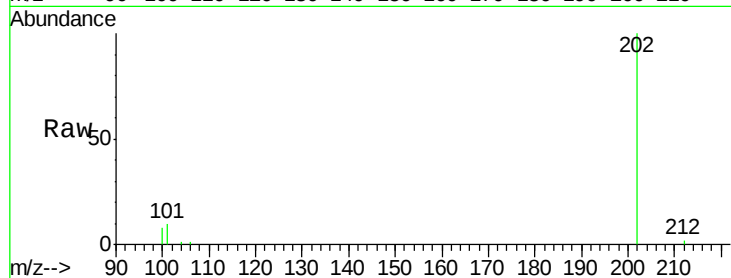
Tot Ion:202 Resp: 5998

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.3

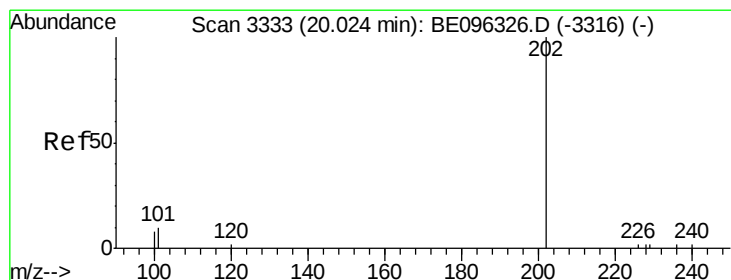
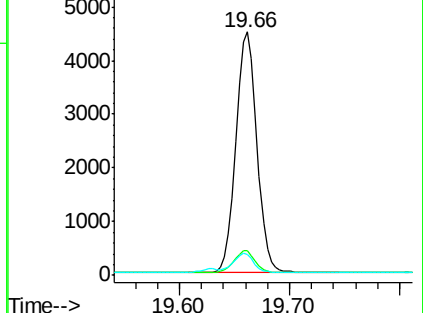
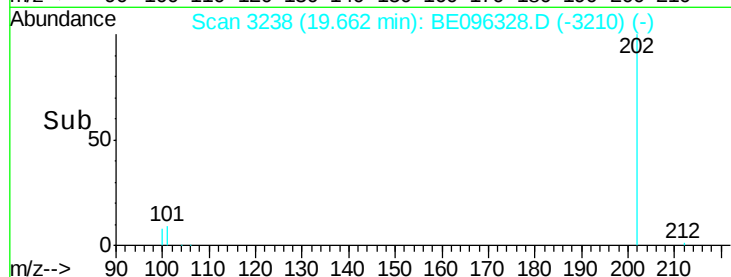
100 8.5 0.0 39.5



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: 0.285 ng/ul

RT: 20.02 min Scan# 3333

Delta R.T. -0.00 min

Lab File: BE096328.D

Acq: 3 May 2018 18:12

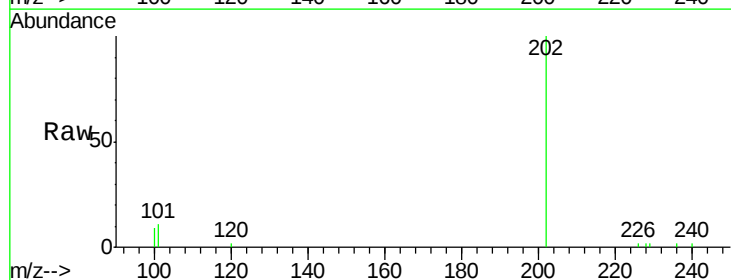
Tgt Ion:202 Resp: 1711

Ion Ratio Lower Upper

202 100

101 10.6 18.2 27.4#

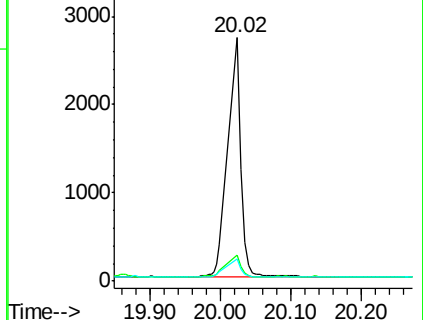
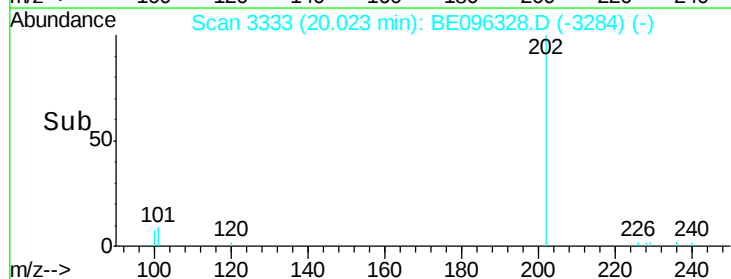
100 8.9 15.6 23.4#

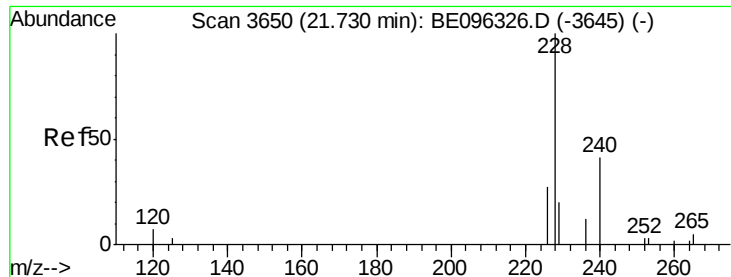


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.305 ng/ul

RT: 21.73 min Scan# 3650

Delta R.T. 0.00 min

Lab File: BE096328.D

Acq: 3 May 2018 18:12

Instrument :

BNA_E

ClientSampleId :

A3Y12

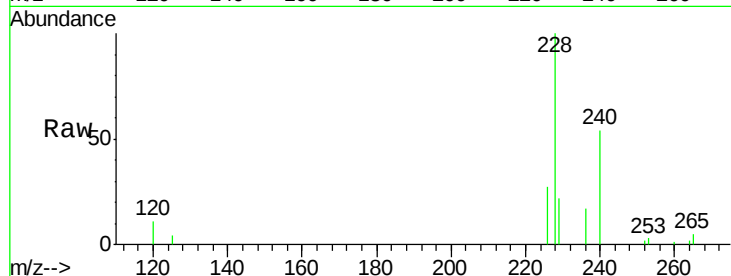
Tot Ion:228 Resp: 2547

Ion Ratio Lower Upper

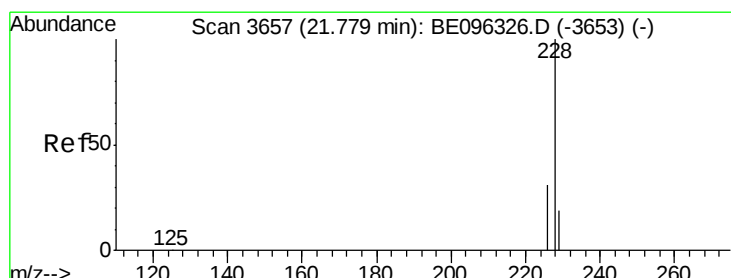
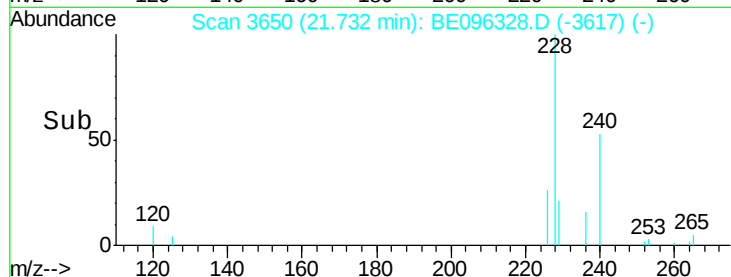
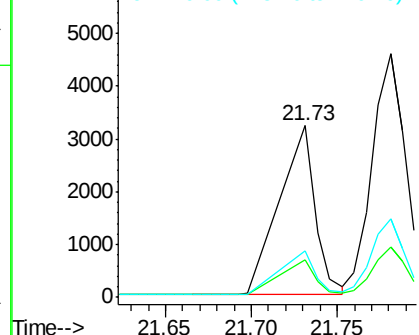
228 100

229 21.9 22.8 34.2#

226 27.1 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: 0.402 ng/ul

RT: 21.78 min Scan# 3657

Delta R.T. 0.00 min

Lab File: BE096328.D

Acq: 3 May 2018 18:12

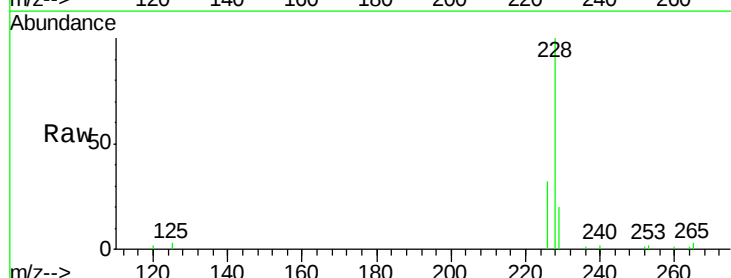
Tgt Ion:228 Resp: 6413

Ion Ratio Lower Upper

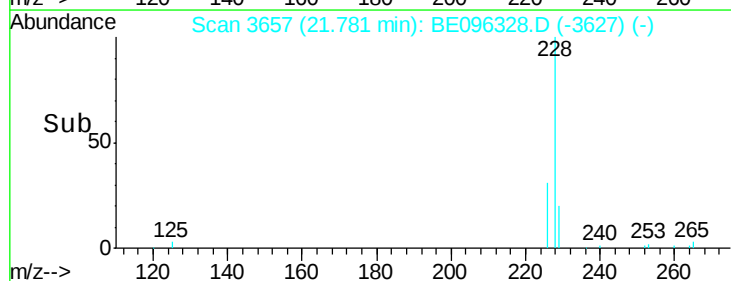
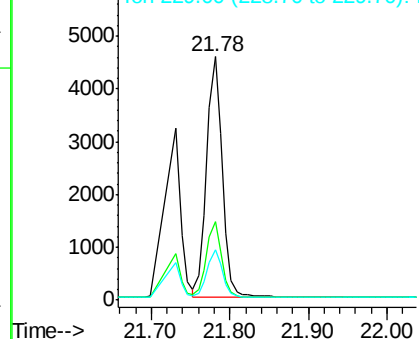
228 100

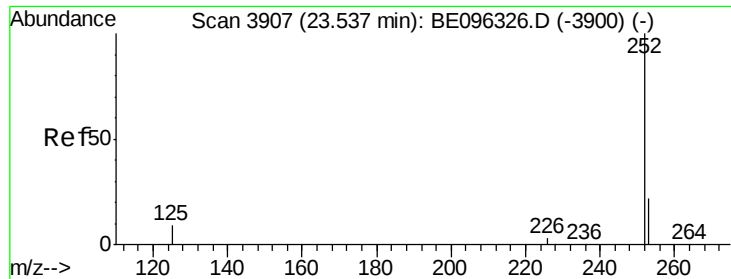
226 32.1 23.4 35.0

229 20.5 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

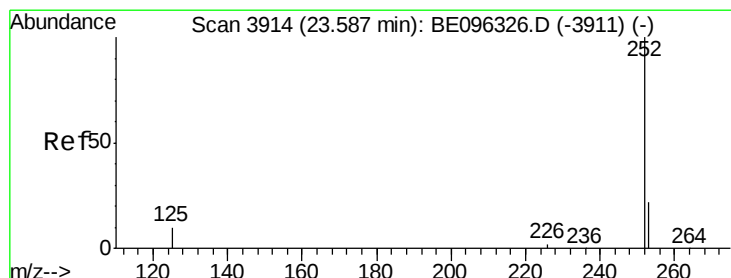
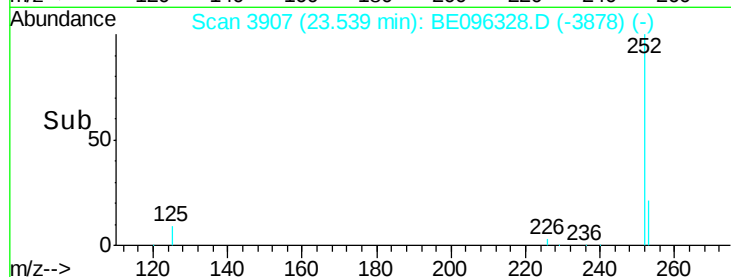
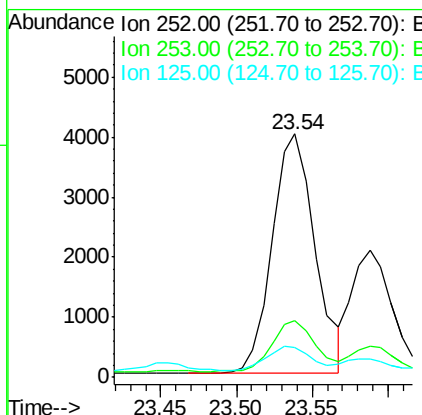
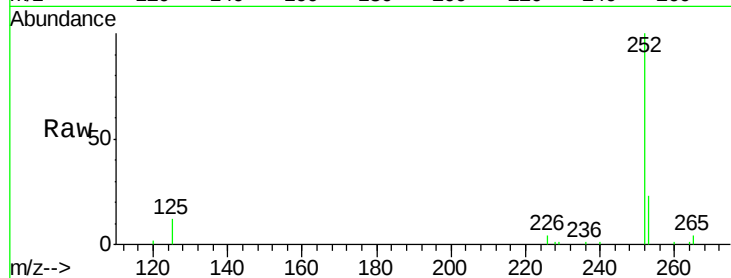




#21
Benzo(b)fluoranthene
Concen: 0.557 ng/ul
RT: 23.54 min Scan# 3907
Delta R.T. 0.00 min
Lab File: BE096328.D
Acq: 3 May 2018 18:12

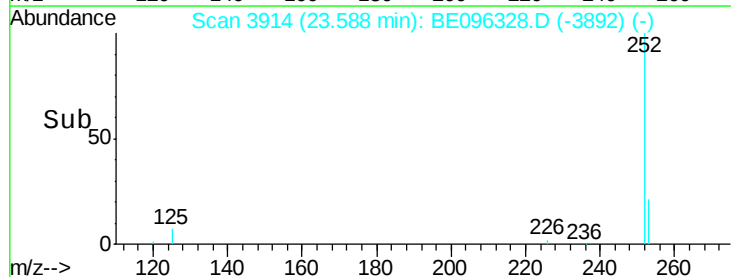
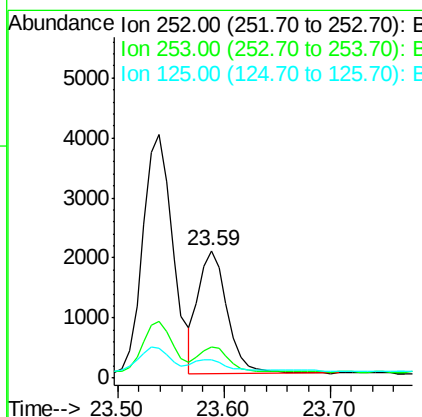
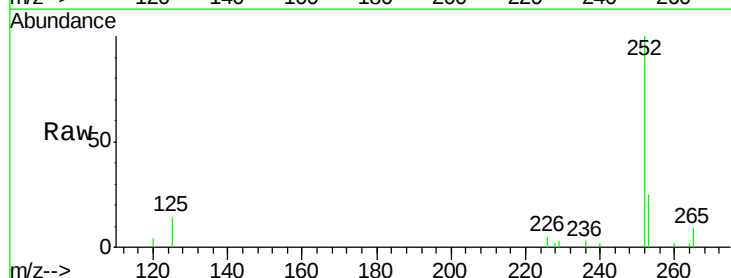
Instrument :
BNA_E
ClientSampleId :
A3Y12

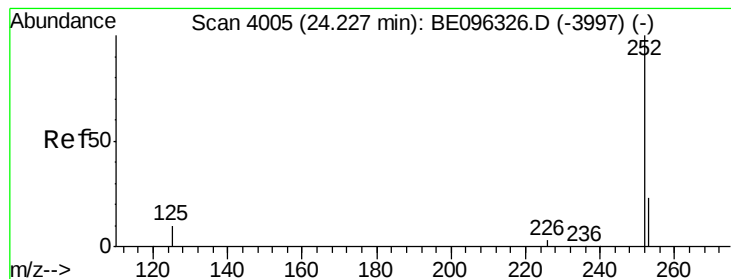
Tot Ion:252 Resp: 7857
Ion Ratio Lower Upper
252 100
253 23.4 0.0 64.2
125 12.4 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.282 ng/ul
RT: 23.59 min Scan# 3914
Delta R.T. 0.00 min
Lab File: BE096328.D
Acq: 3 May 2018 18:12

Tgt Ion:252 Resp: 3850
Ion Ratio Lower Upper
252 100
253 24.7 24.5 36.7
125 13.9 13.7 20.5





#23

Benzo(a)pyrene

Concen: 0.386 ng/ul

RT: 24.23 min Scan# 4005

Delta R.T. 0.00 min

Lab File: BE096328.D

Acq: 3 May 2018 18:12

Instrument :

BNA_E

ClientSampleId :

A3Y12

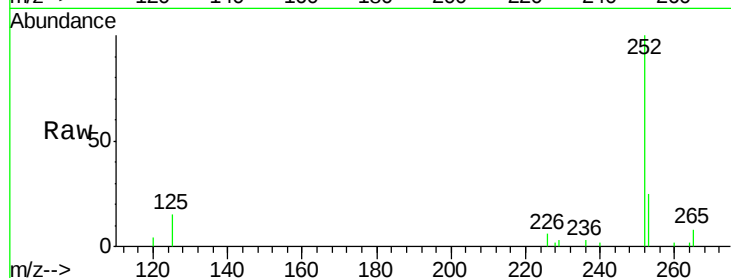
Tot Ion:252 Resp: 5101

Ion Ratio Lower Upper

252 100

253 24.9 28.5 42.7#

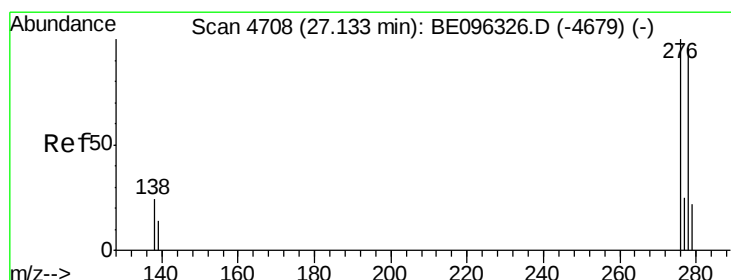
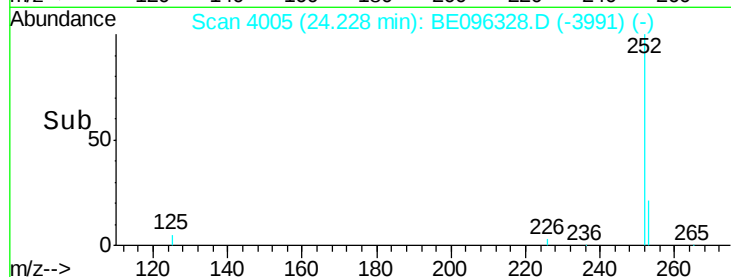
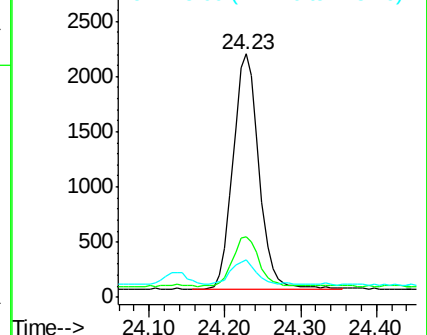
125 15.3 18.1 27.1#



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: 0.703 ng/ul

RT: 27.13 min Scan# 4708

Delta R.T. -0.00 min

Lab File: BE096328.D

Acq: 3 May 2018 18:12

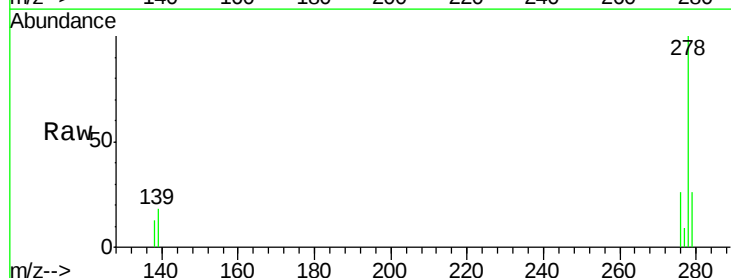
Tgt Ion:278 Resp: 8421

Ion Ratio Lower Upper

278 100

139 17.9 17.4 26.0

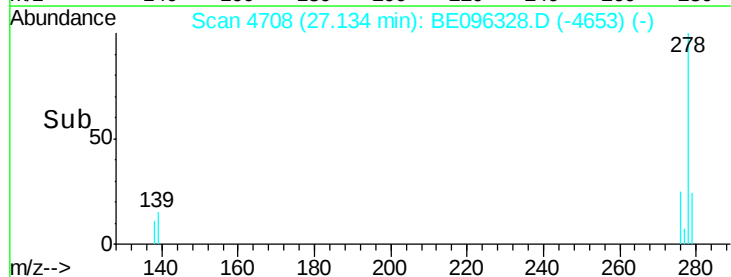
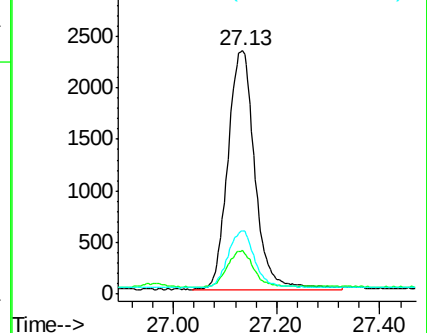
279 25.7 25.9 38.9#

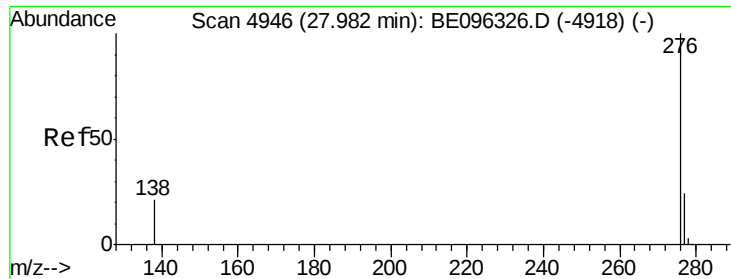


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.281 ng/ul

RT: 27.98 min Scan# 4945

Delta R.T. -0.00 min

Lab File: BE096328.D

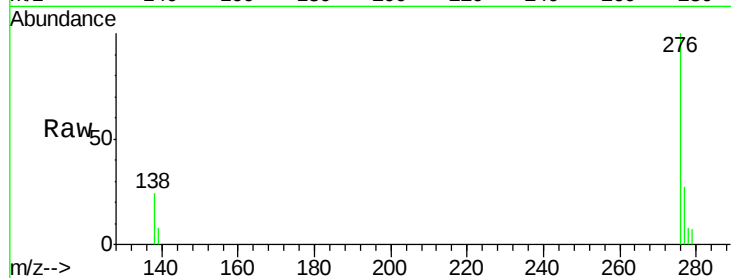
Acq: 3 May 2018 18:12

Instrument :

BNA_E

ClientSampleId :

A3Y12



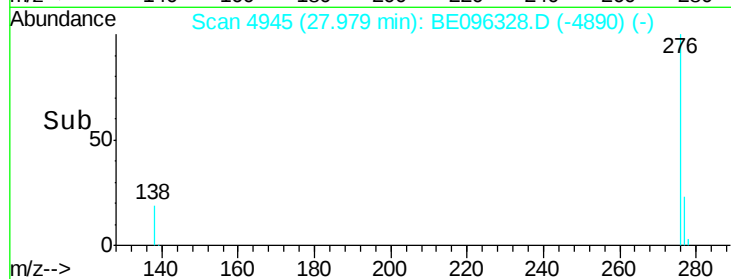
Tot Ion: 276 Resp: 3467

Ion Ratio Lower Upper

276 100

138 24.1 21.8 32.8

277 27.2 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

