

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042718\
 Data File : BE096211.D
 Acq On : 27 Apr 2018 17:48
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 27 23:59:59 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 23:57:47 2018
 Response via : Initial Calibration

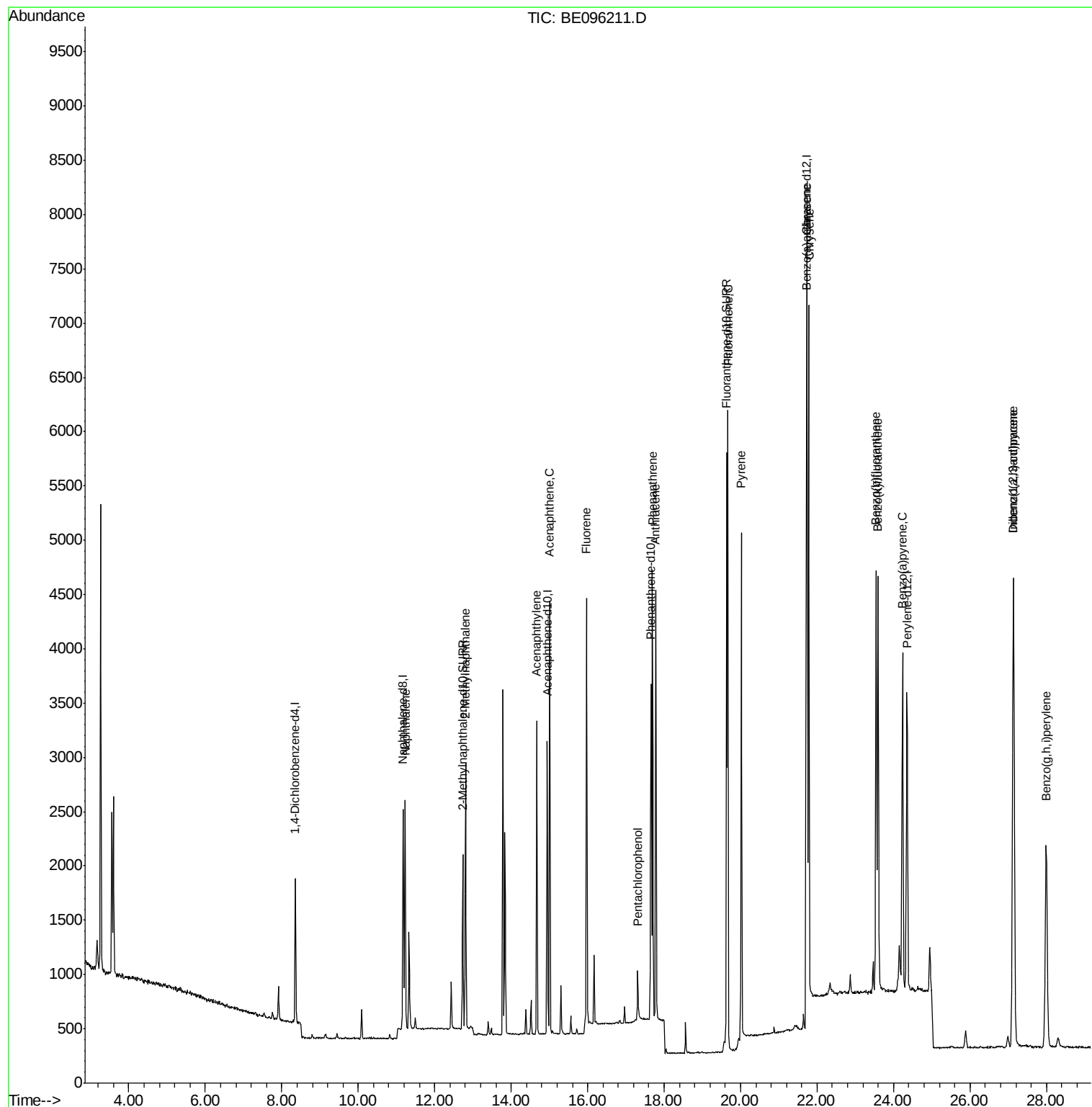
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	707	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	2691	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	1501	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	3740	0.40	ng/ul	0.00
16) Chrysene-d12	21.74	240	5244	0.40	ng/ul	0.00
20) Perylene-d12	24.35	264	4031	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	1947	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	5937	0.34	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.23	128	2969	0.396	ng/ul#	91
5) 2-Methylnaphthalene	12.81	142	2020	0.402	ng/ul	99
7) Acenaphthylene	14.67	152	3147	0.407	ng/ul	98
8) Acenaphthene	15.01	153	2239	0.401	ng/ul	93
9) Fluorene	15.97	166	2885	0.391	ng/ul	89
11) Pentachlorophenol	17.31	266	257	0.286	ng/ul	99
12) Phenanthrene	17.70	178	4592	0.417	ng/ul#	89
13) Anthracene	17.78	178	4362	0.395	ng/ul#	90
15) Fluoranthene	19.67	202	6390	0.380	ng/ul	85
17) Pyrene	20.02	202	2779	0.264	ng/ul#	79
18) Benzo(a)anthracene	21.73	228	4207	0.265	ng/ul#	86
19) Chrysene	21.79	228	5970	0.409	ng/ul	97
21) Benzo(b)fluoranthene	23.54	252	5905	0.387	ng/ul	86
22) Benzo(k)fluoranthene	23.59	252	5234	0.359	ng/ul#	89
23) Benzo(a)pyrene	24.23	252	5035	0.380	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	27.13	276	5780	0.324	ng/ul#	80
25) Dibenzo(a,h)anthracene	27.14	278	4702	0.314	ng/ul	93
26) Benzo(g,h,i)perylene	27.99	276	4837	0.311	ng/ul	97

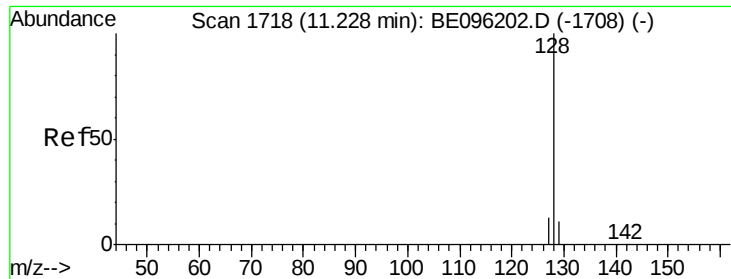
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.396 ng/ul

RT: 11.23 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

Instrument :

BNA_E

ClientSampleId :

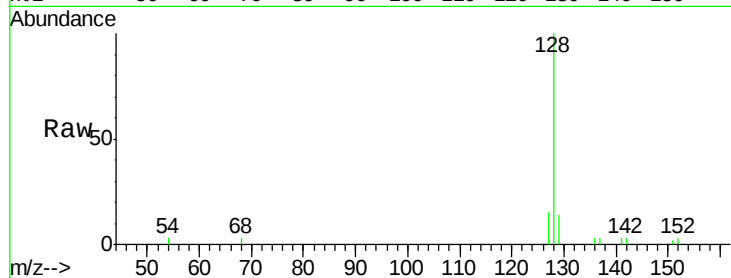
Tot Ion:128 Resp: 2969

Ion Ratio Lower Upper

128 100

129 13.5 11.3 16.9

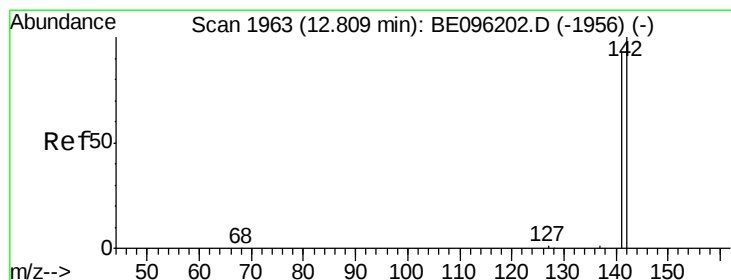
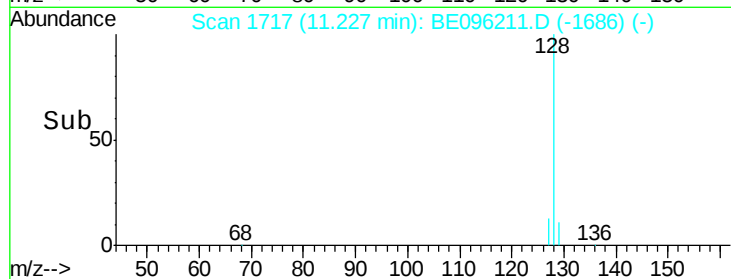
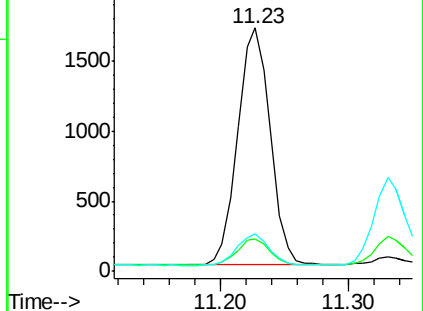
127 15.3 4.0 6.0#



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: 0.402 ng/ul

RT: 12.81 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BE096211.D

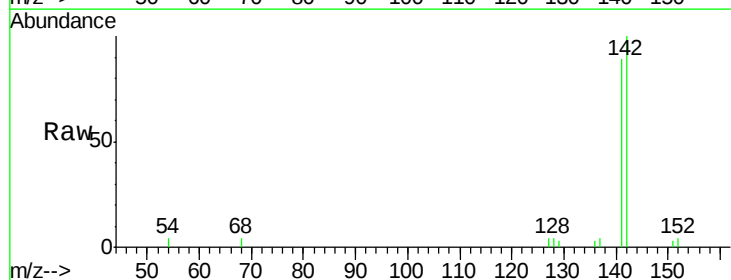
Acq: 27 Apr 2018 17:48

Tgt Ion:142 Resp: 2020

Ion Ratio Lower Upper

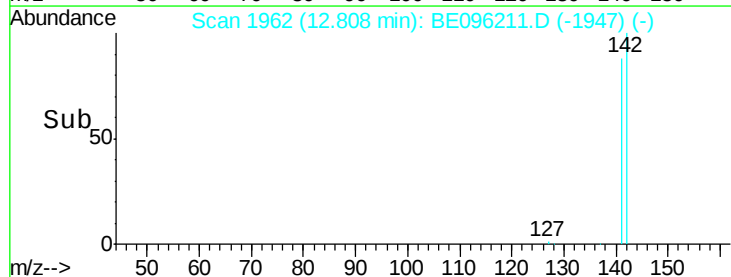
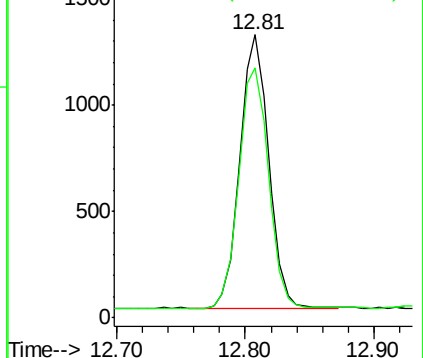
142 100

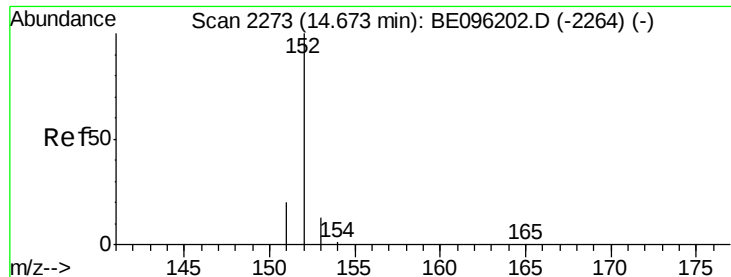
141 90.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.407 ng/ul

RT: 14.67 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

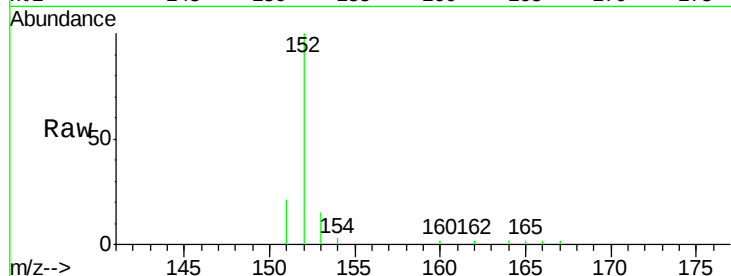
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 3147

Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.1	25.7
153	14.9	12.8	19.2

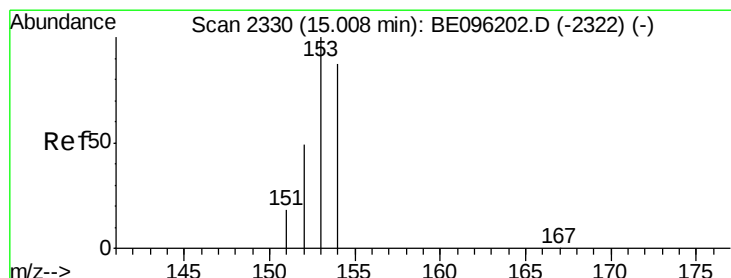
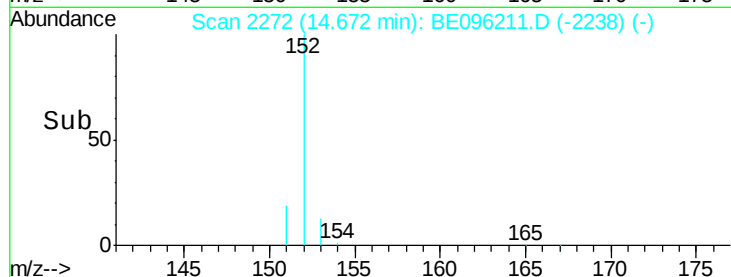
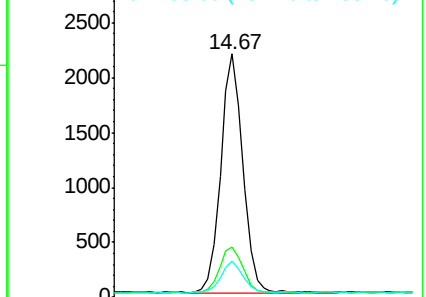


Abundance

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: 0.401 ng/ul

RT: 15.01 min Scan# 2329

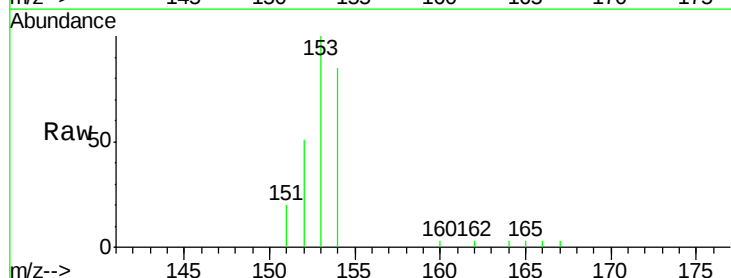
Delta R.T. -0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

Tgt Ion:153 Resp: 2239

Ion	Ratio	Lower	Upper
153	100		
152	51.0	36.0	54.0
154	84.5	72.0	108.0

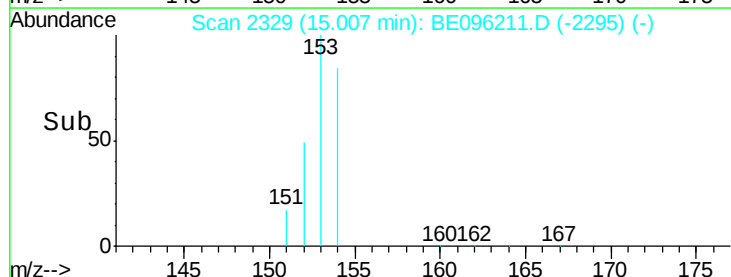
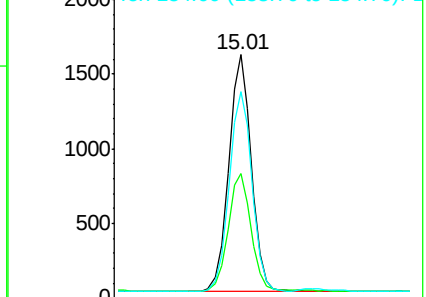


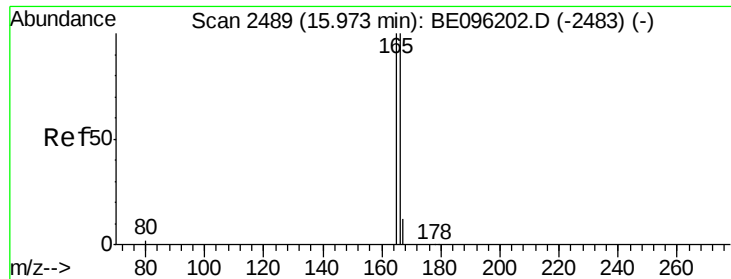
Abundance

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: 0.391 ng/ul

RT: 15.97 min Scan# 2488

Delta R.T. -0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

Instrument :

BNA_E

ClientSampleId :

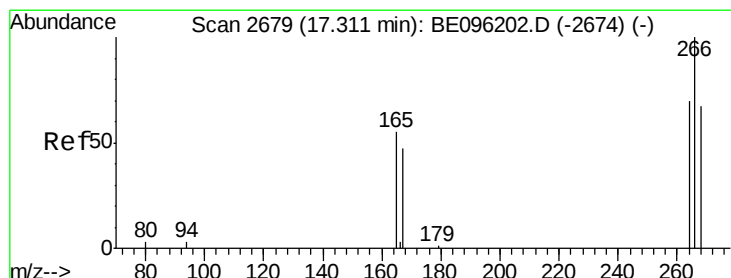
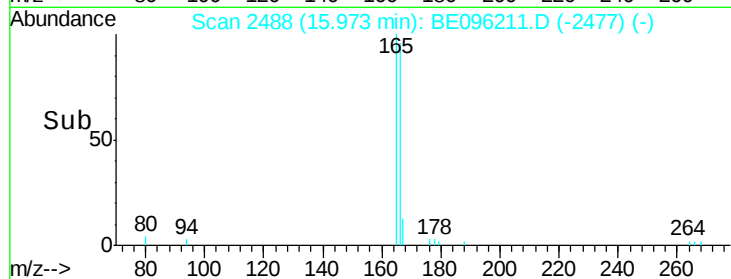
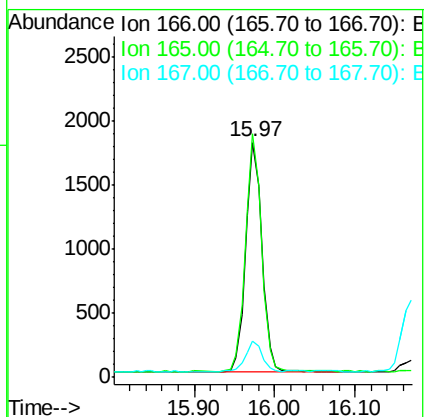
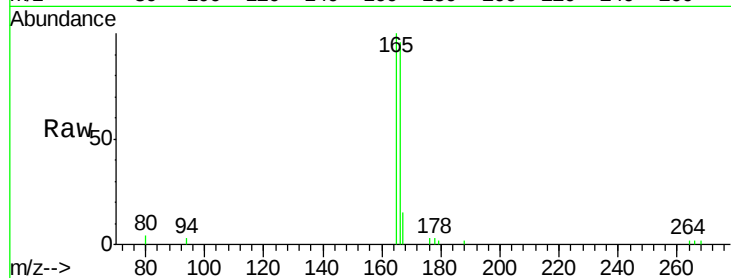
Tot Ion:166 Resp: 2885

Ion Ratio Lower Upper

166 100

165 103.7 73.4 110.2

167 15.4 14.6 22.0



#11

Pentachlorophenol

Concen: 0.286 ng/ul

RT: 17.31 min Scan# 2678

Delta R.T. -0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

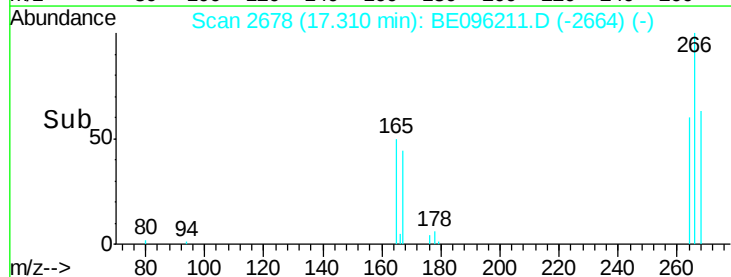
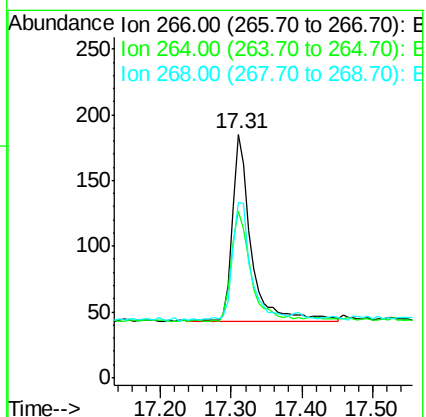
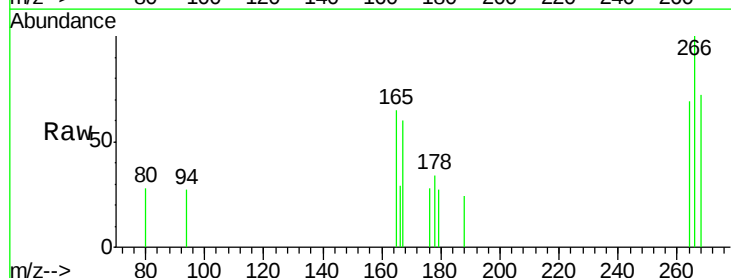
Tgt Ion:266 Resp: 257

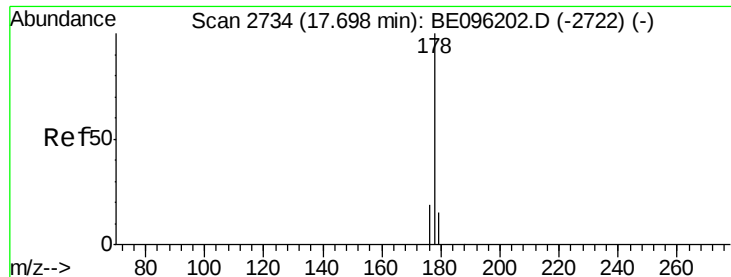
Ion Ratio Lower Upper

266 100

264 61.1 47.9 71.9

268 61.9 49.8 74.8





#12

Phenanthrene

Concen: 0.417 ng/ul

RT: 17.70 min Scan# 2733

Delta R.T. -0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

Instrument :

BNA_E

ClientSampleId :

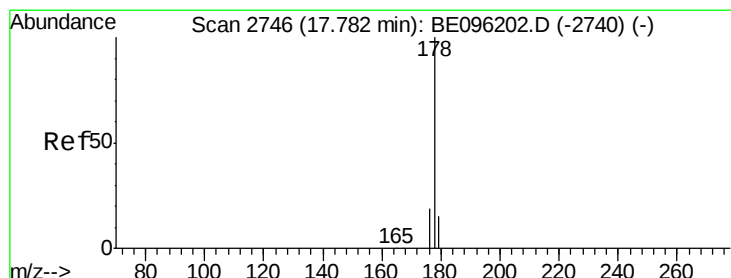
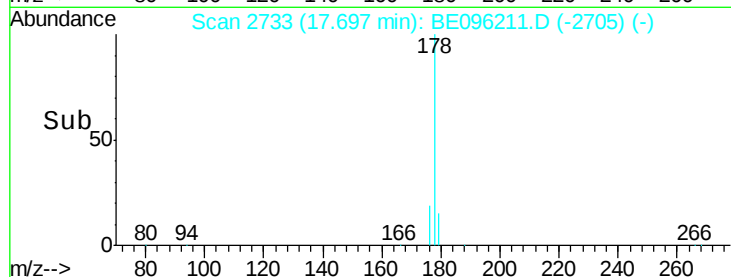
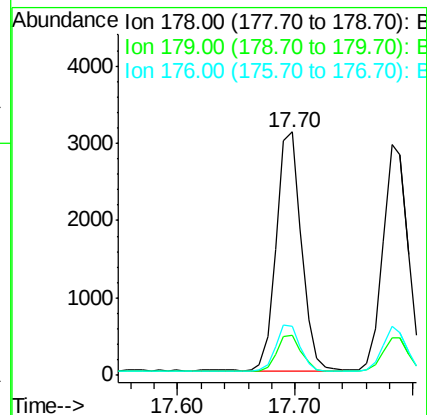
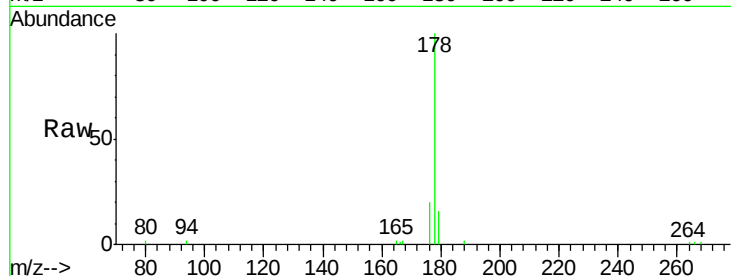
Tot Ion:178 Resp: 4592

Ion Ratio Lower Upper

178 100

179 16.2 18.4 27.6#

176 20.0 13.6 20.4



#13

Anthracene

Concen: 0.395 ng/ul

RT: 17.78 min Scan# 2745

Delta R.T. -0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

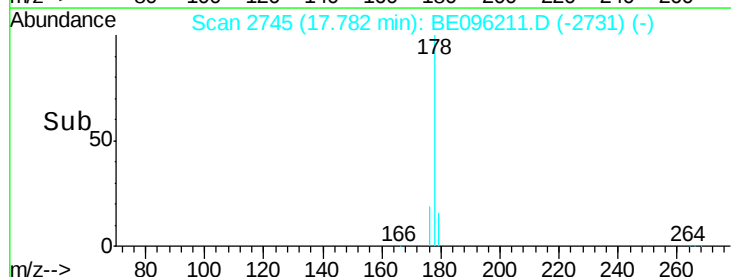
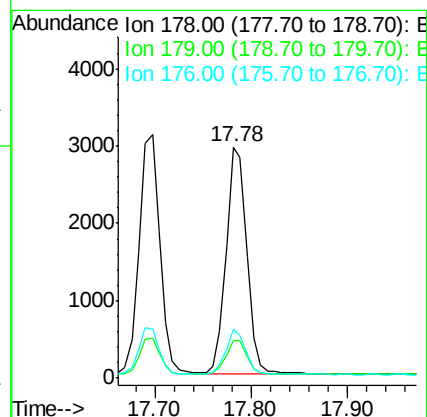
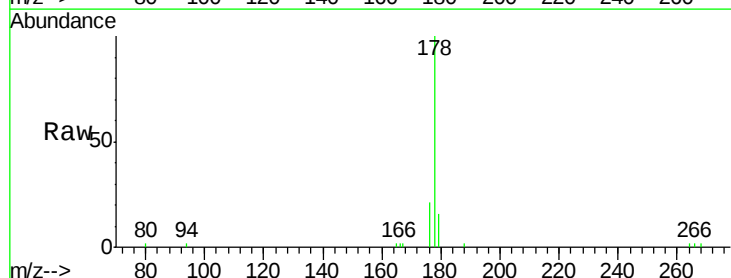
Tgt Ion:178 Resp: 4362

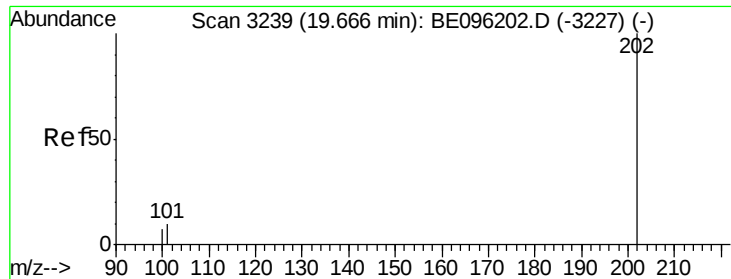
Ion Ratio Lower Upper

178 100

179 16.4 18.1 27.1#

176 21.1 14.7 22.1





#15

Fluoranthene

Concen: 0.380 ng/ul

RT: 19.67 min Scan# 3238

Delta R.T. 0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

Instrument :

BNA_E

ClientSampleId :

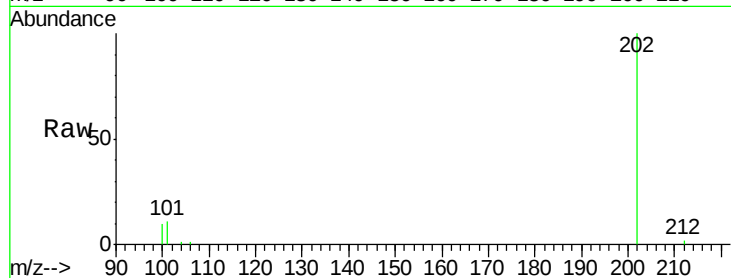
Tot Ion:202 Resp: 6390

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

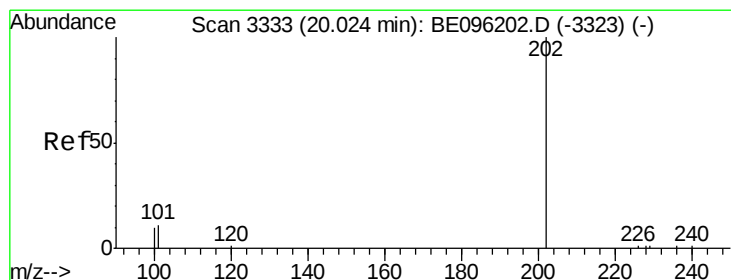
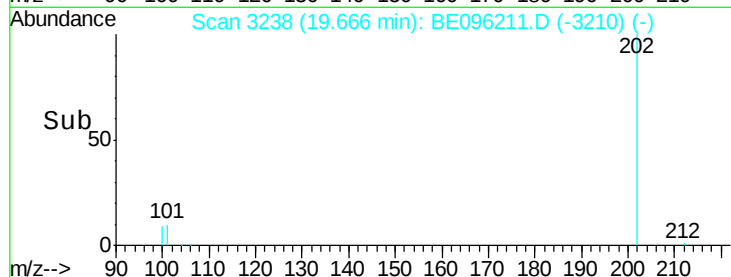
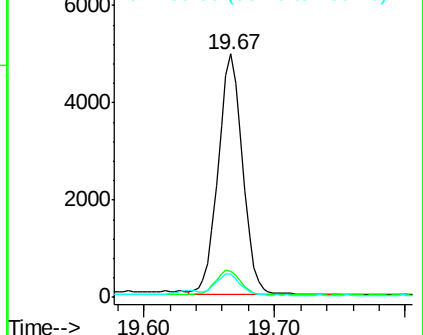
100 9.5 0.0 39.5



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: 0.264 ng/ul

RT: 20.02 min Scan# 3333

Delta R.T. 0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

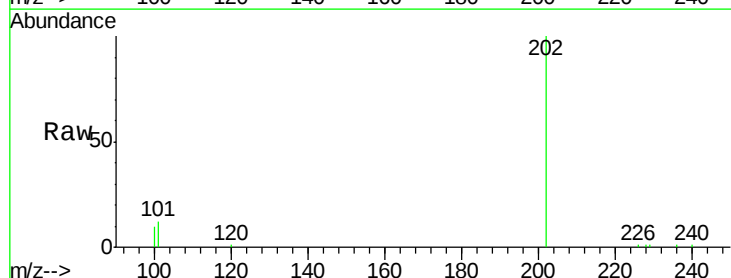
Tgt Ion:202 Resp: 2779

Ion Ratio Lower Upper

202 100

101 12.1 18.2 27.4#

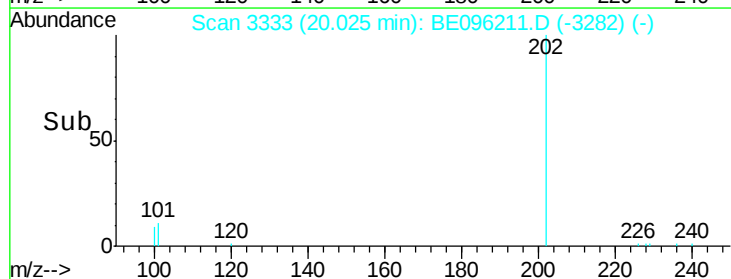
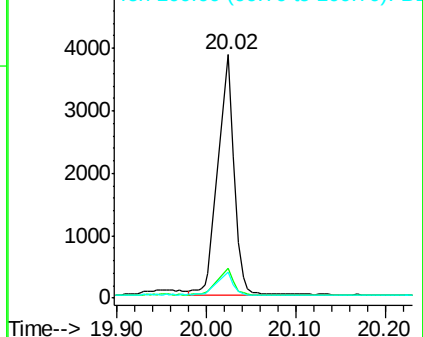
100 10.5 15.6 23.4#

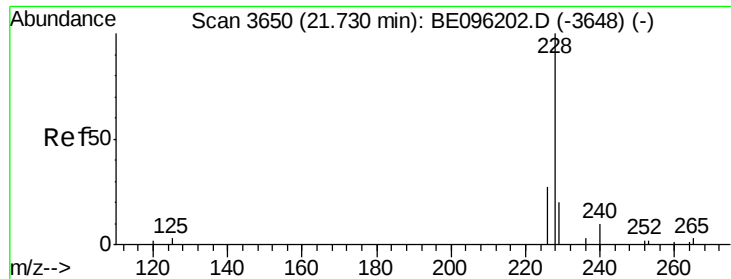


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.265 ng/ul

RT: 21.73 min Scan# 3650

Delta R.T. 0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

Instrument :

BNA_E

ClientSampleId :

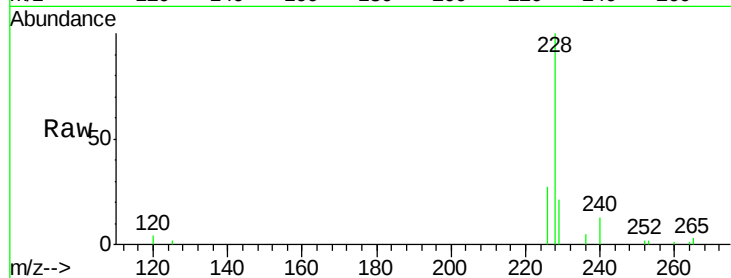
Tot Ion:228 Resp: 4207

Ion Ratio Lower Upper

228 100

229 20.9 22.8 34.2#

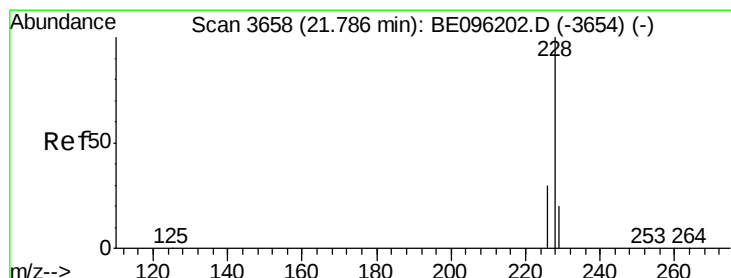
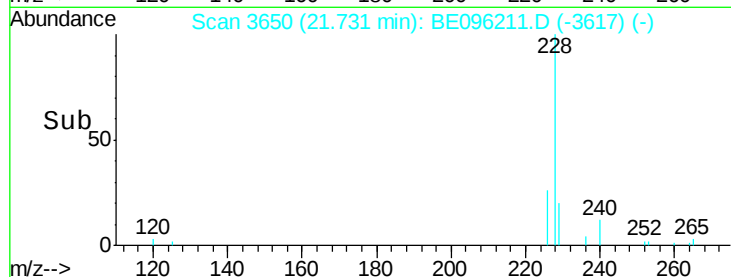
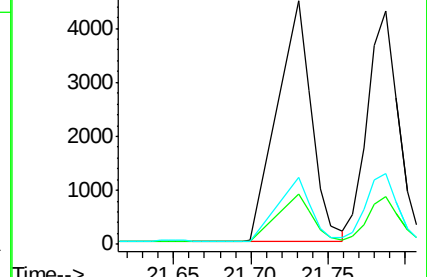
226 27.3 17.0 25.6#



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: 0.409 ng/ul

RT: 21.79 min Scan# 3658

Delta R.T. 0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

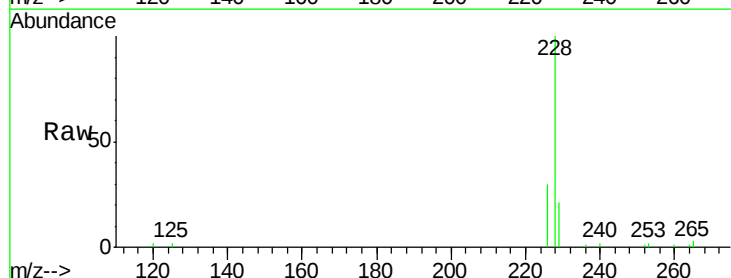
Tgt Ion:228 Resp: 5970

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

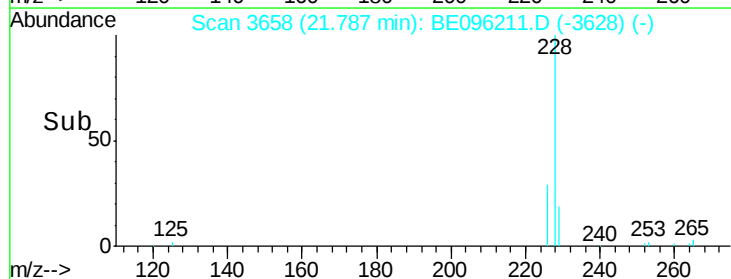
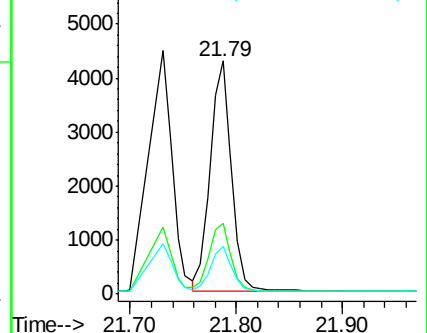
229 20.5 17.7 26.5

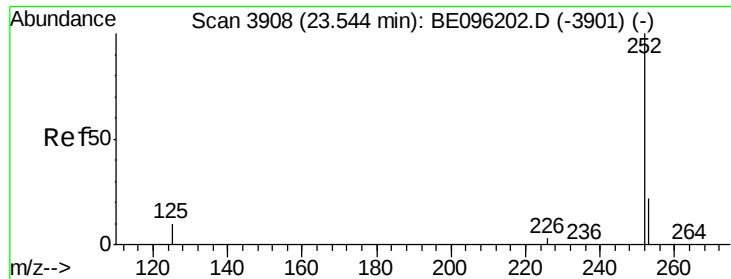


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.387 ng/ul

RT: 23.54 min Scan# 3908

Delta R.T. 0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

Instrument :

BNA_E

ClientSampleId :

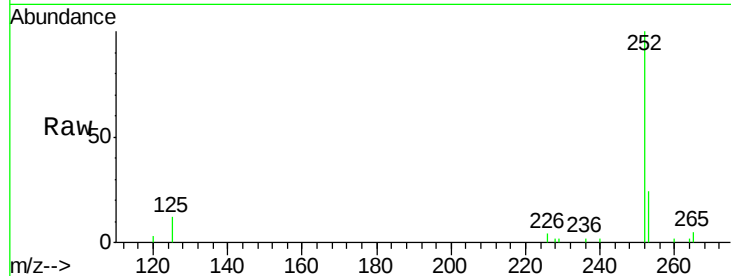
Tot Ion:252 Resp: 5905

Ion Ratio Lower Upper

252 100

253 23.9 0.0 64.2

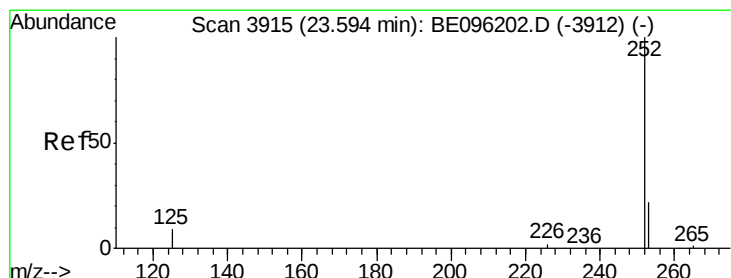
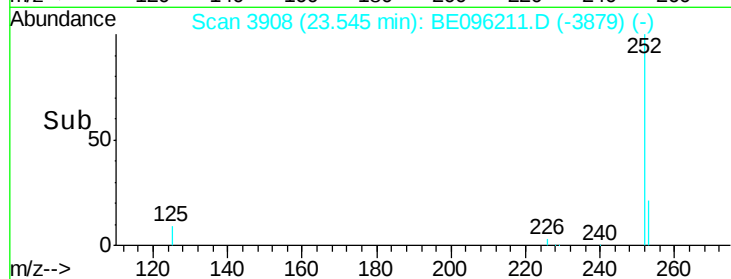
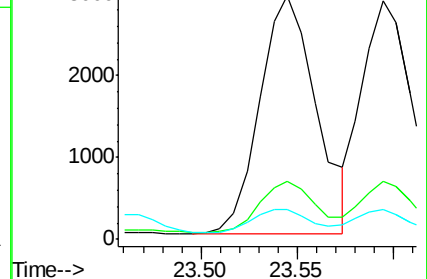
125 12.0 0.0 35.0



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: 0.359 ng/ul

RT: 23.59 min Scan# 3915

Delta R.T. 0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

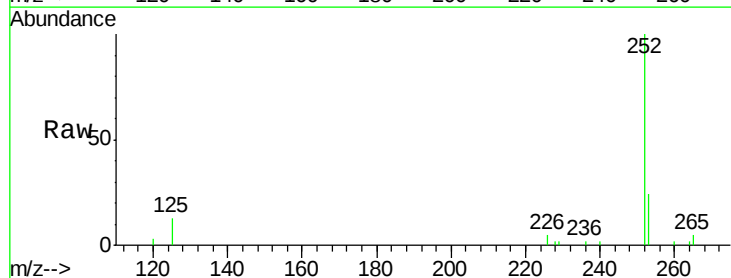
Tgt Ion:252 Resp: 5234

Ion Ratio Lower Upper

252 100

253 24.3 24.5 36.7#

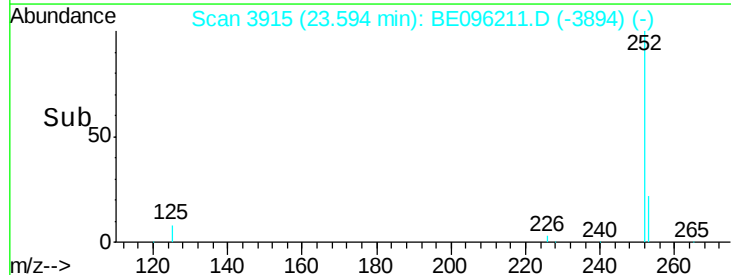
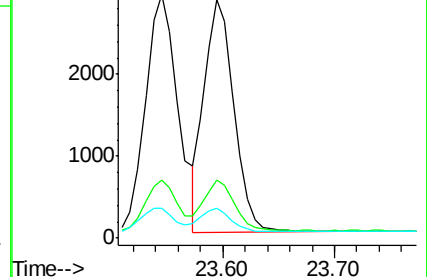
125 12.5 13.7 20.5#

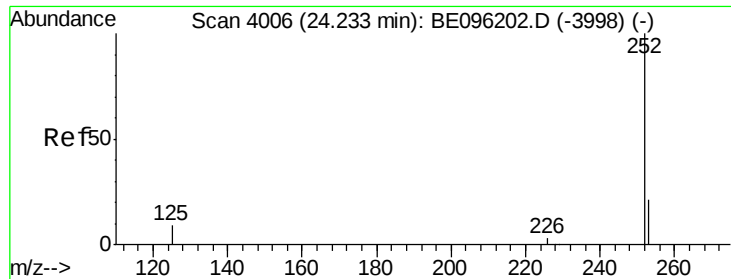


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.380 ng/ul

RT: 24.23 min Scan# 4006

Delta R.T. 0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

Instrument :

BNA_E

ClientSampleId :

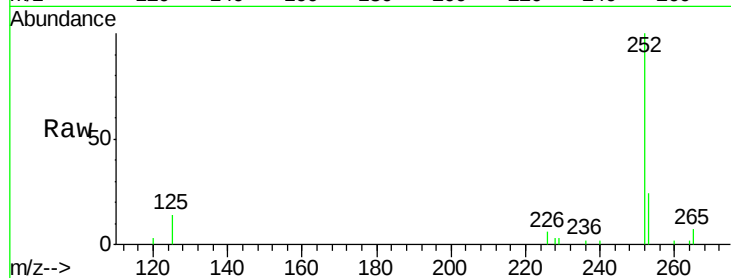
Tot Ion:252 Resp: 5035

Ion Ratio Lower Upper

252 100

253 24.2 28.5 42.7#

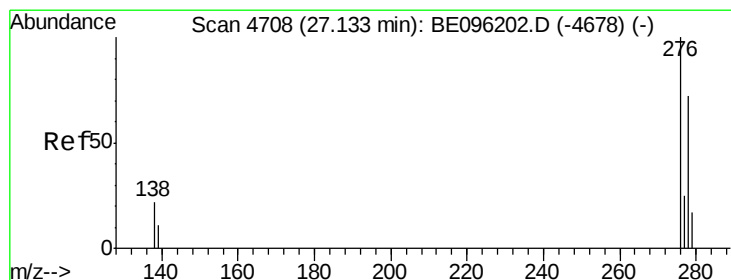
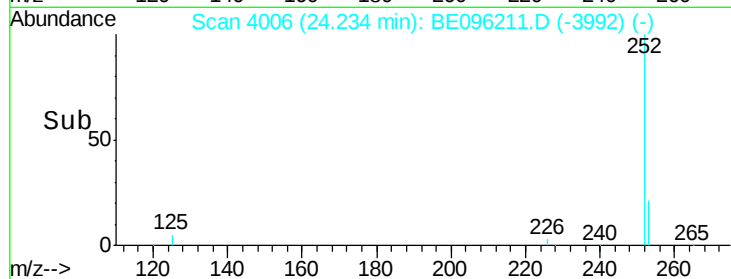
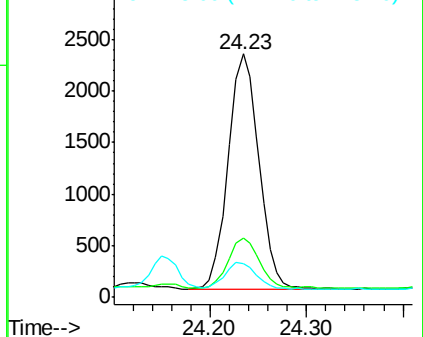
125 13.9 18.1 27.1#



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: 0.324 ng/ul

RT: 27.13 min Scan# 4708

Delta R.T. 0.00 min

Lab File: BE096211.D

Acq: 27 Apr 2018 17:48

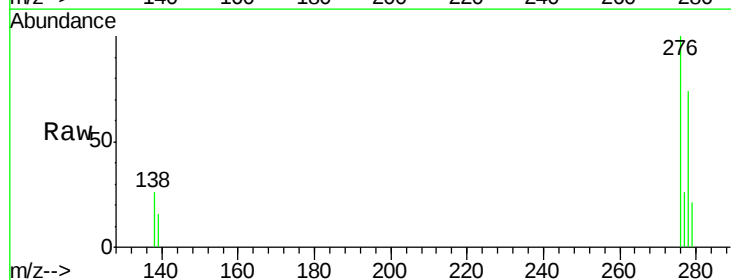
Tgt Ion:276 Resp: 5780

Ion Ratio Lower Upper

276 100

138 24.3 28.0 42.0#

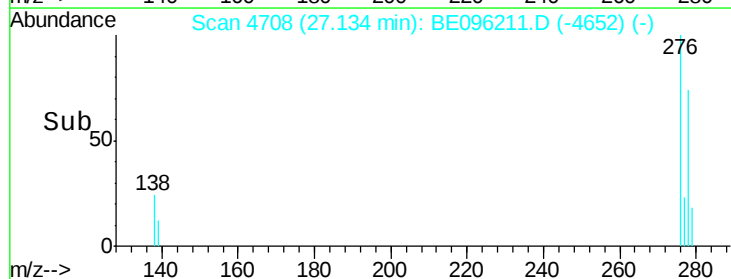
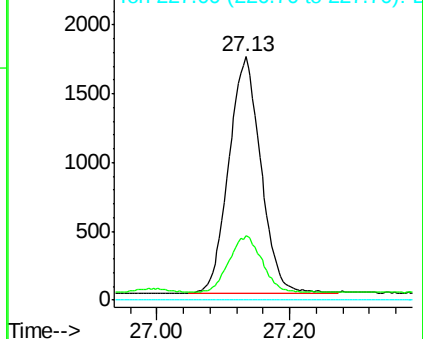
227 0.0 8.0 12.0#

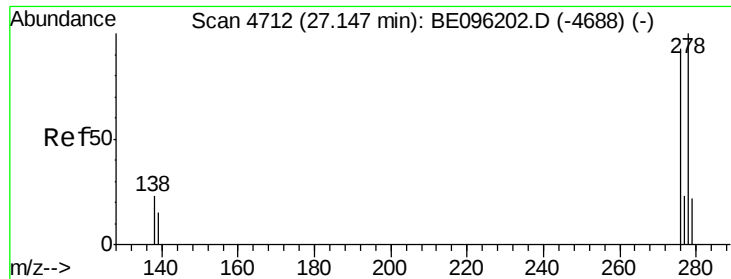


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



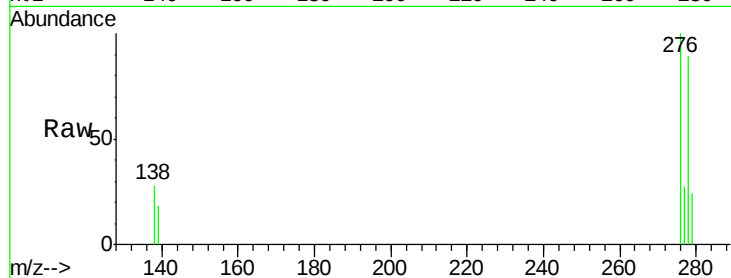


#25
Dibenzo(a,h)anthracene
Concen: 0.314 ng/ul
RT: 27.14 min Scan# 4710
Delta R.T. -0.01 min
Lab File: BE096211.D
Acq: 27 Apr 2018 17:48

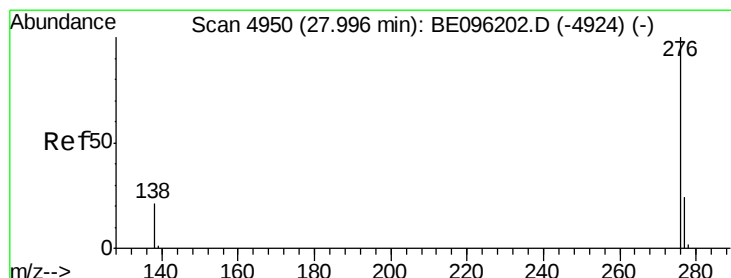
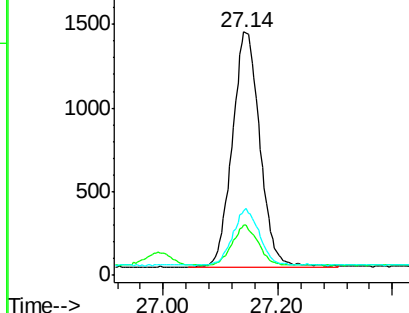
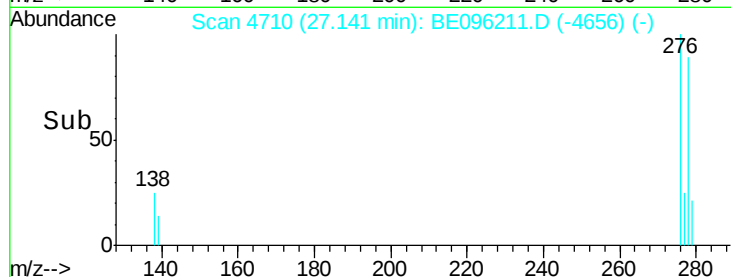
Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 4702

Ion	Ratio	Lower	Upper
278	100		
139	20.4	17.4	26.0
279	26.6	25.9	38.9



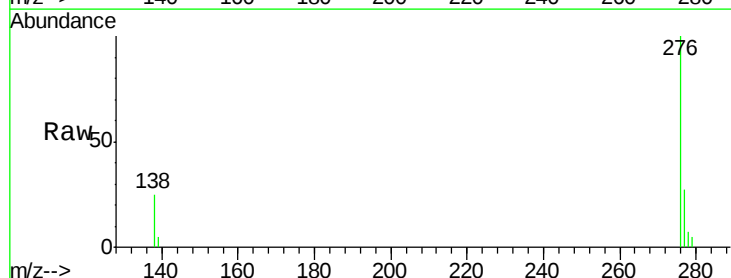
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.311 ng/ul
RT: 27.99 min Scan# 4948
Delta R.T. -0.01 min
Lab File: BE096211.D
Acq: 27 Apr 2018 17:48

Tgt Ion:276 Resp: 4837

Ion	Ratio	Lower	Upper
276	100		
138	25.2	21.8	32.8
277	26.7	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

