

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
 Data File : BE096341.D
 Acq On : 4 May 2018 2:10
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 04 04:33:44 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 04 01:53:25 2018
 Response via : Initial Calibration

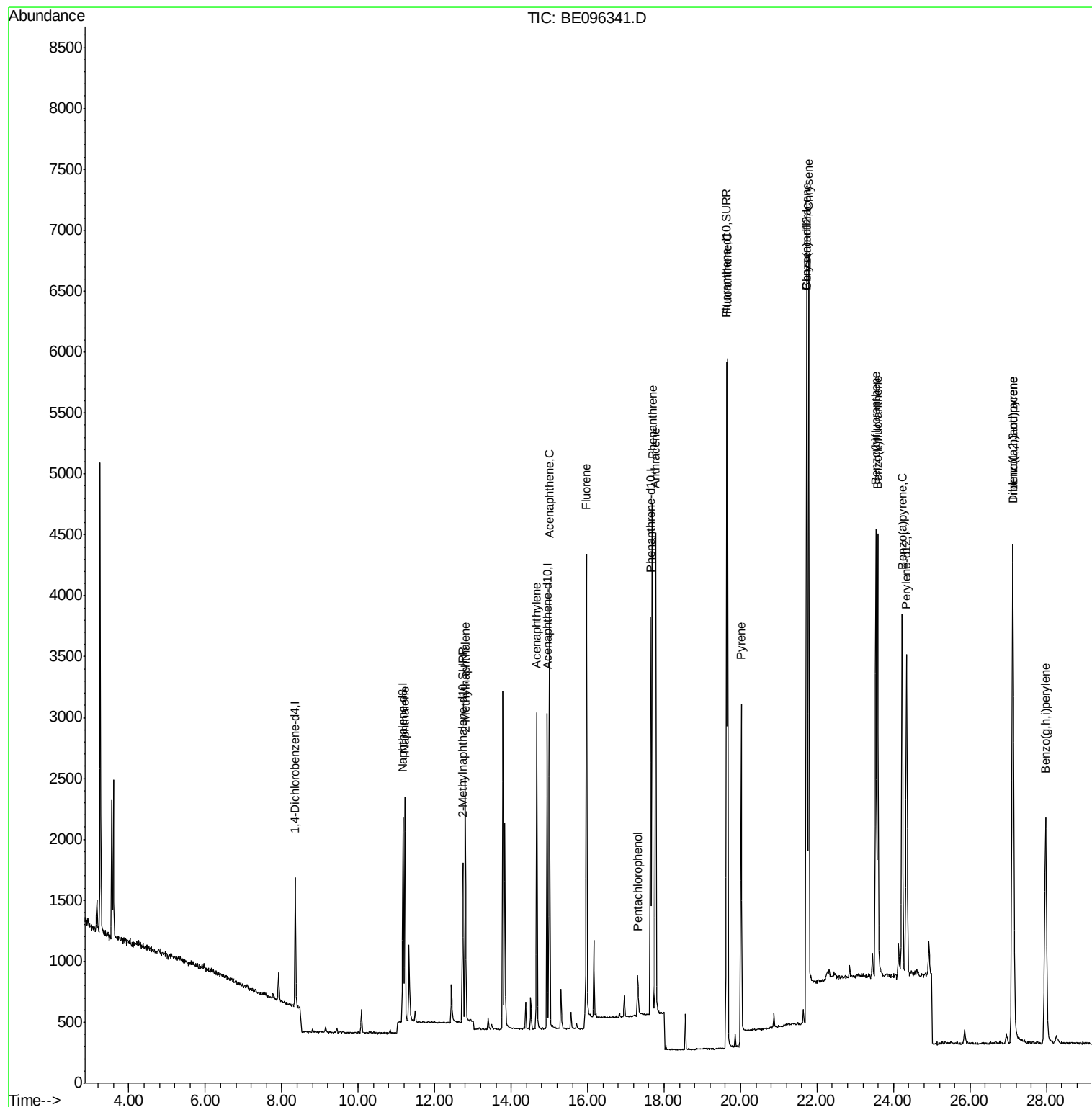
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	581	0.40	ng/ul	0.00
2) Naphthalene-d8	11.17	136	2268	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	1442	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.65	188	4001	0.40	ng/ul	0.00
16) Chrysene-d12	21.74	240	4991	0.40	ng/ul	0.00
20) Perylene-d12	24.34	264	3969	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	1744	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.63	212	6236	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.22	128	2481	0.398	ng/ul#	92
5) 2-Methylnaphthalene	12.80	142	1738	0.419	ng/ul	97
7) Acenaphthylene	14.67	152	3031	0.405	ng/ul	98
8) Acenaphthene	15.00	153	2168	0.401	ng/ul	96
9) Fluorene	15.97	166	2897	0.396	ng/ul	90
11) Pentachlorophenol	17.31	266	209	0.381	ng/ul	90
12) Phenanthrene	17.69	178	4637	0.385	ng/ul#	88
13) Anthracene	17.78	178	4546	0.391	ng/ul#	91
15) Fluoranthene	19.66	202	6281	0.366	ng/ul	84
17) Pyrene	20.02	202	1846	0.329	ng/ul#	77
18) Benzo(a)anthracene	21.73	228	2129	0.273	ng/ul#	87
19) Chrysene	21.78	228	5702	0.383	ng/ul	96
21) Benzo(b)fluoranthene	23.54	252	5262	0.387	ng/ul	86
22) Benzo(k)fluoranthene	23.59	252	5363	0.409	ng/ul#	90
23) Benzo(a)pyrene	24.23	252	5027	0.395	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	27.11	276	5752	0.408	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.13	278	4698	0.408	ng/ul	91
26) Benzo(g,h,i)perylene	27.98	276	4751	0.401	ng/ul	95

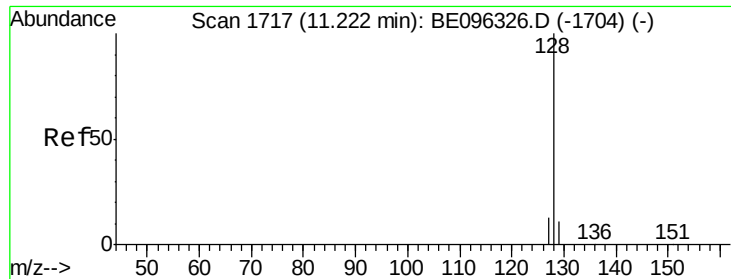
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.398 ng/ul

RT: 11.22 min Scan# 1716

Delta R.T. -0.00 min

Lab File: BE096341.D

Acq: 4 May 2018 2:10

Instrument :

BNA_E

ClientSampleId :

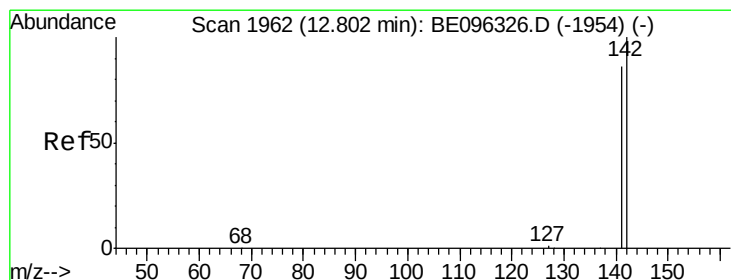
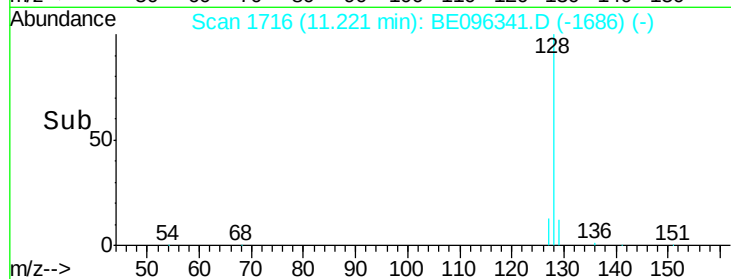
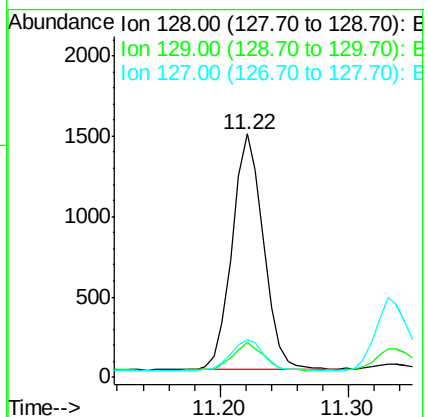
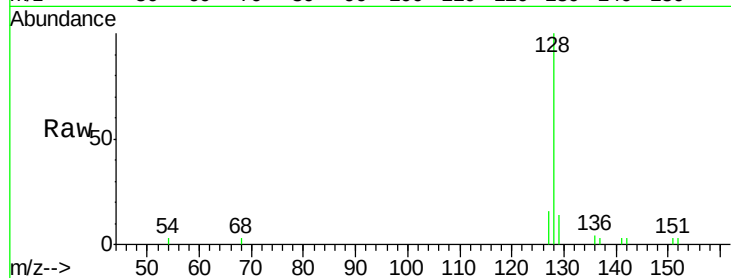
Tot Ion:128 Resp: 2481

Ion Ratio Lower Upper

128 100

129 14.2 11.3 16.9

127 15.5 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.419 ng/ul

RT: 12.80 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BE096341.D

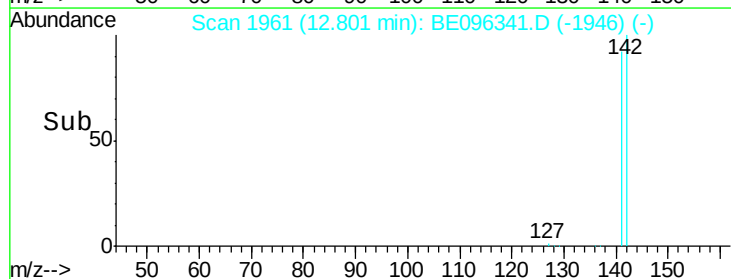
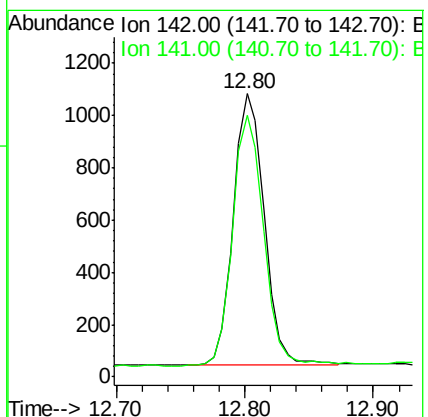
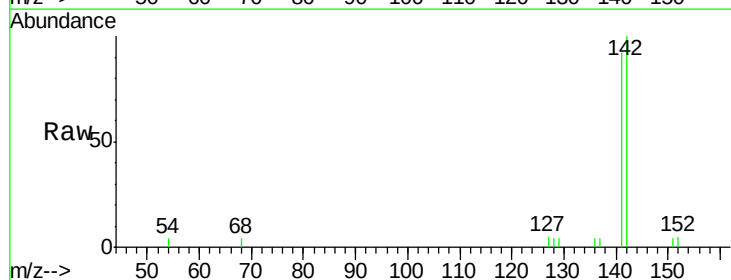
Acq: 4 May 2018 2:10

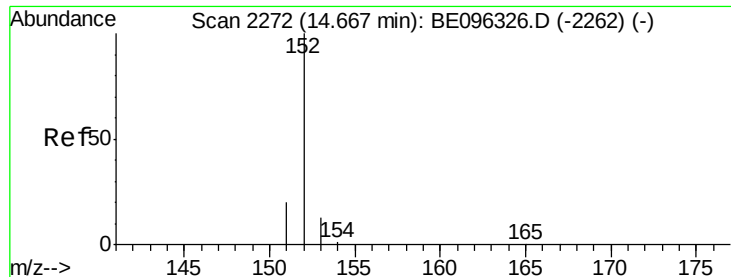
Tgt Ion:142 Resp: 1738

Ion Ratio Lower Upper

142 100

141 93.4 72.6 108.8





#7

Acenaphthylene

Concen: 0.405 ng/ul

RT: 14.67 min Scan# 2272

Delta R.T. 0.00 min

Lab File: BE096341.D

Acq: 4 May 2018 2:10

Instrument :

BNA_E

ClientSampleId :

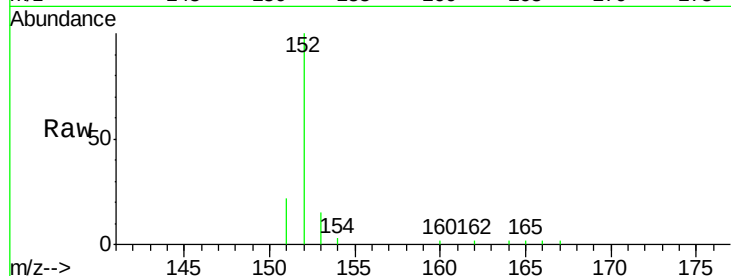
Tot Ion:152 Resp: 3031

Ion Ratio Lower Upper

152 100

151 22.0 17.1 25.7

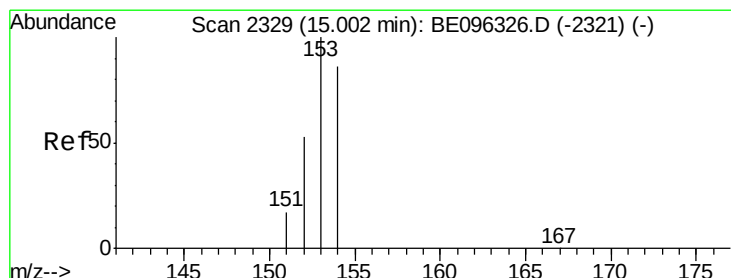
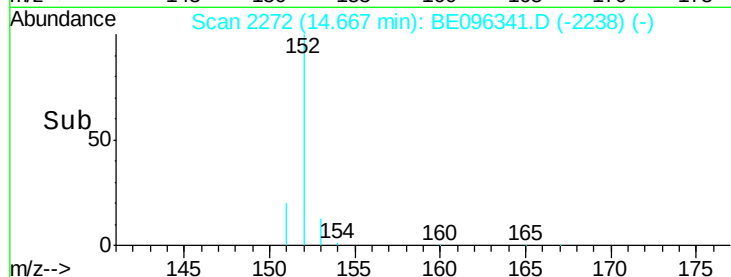
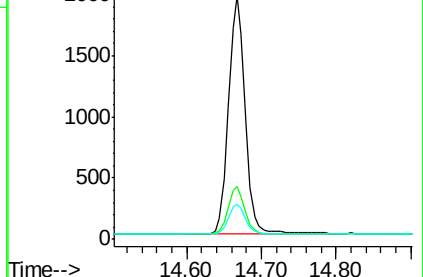
153 14.6 12.8 19.2



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: 0.401 ng/ul

RT: 15.00 min Scan# 2329

Delta R.T. 0.00 min

Lab File: BE096341.D

Acq: 4 May 2018 2:10

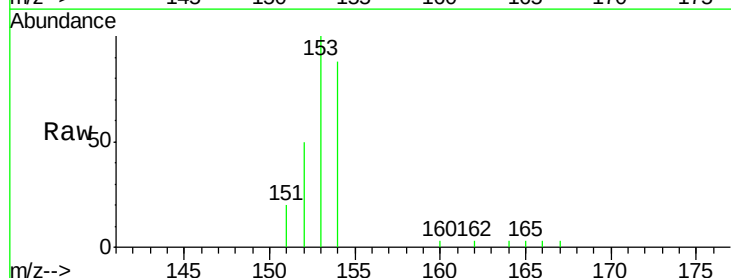
Tgt Ion:153 Resp: 2168

Ion Ratio Lower Upper

153 100

152 50.2 36.0 54.0

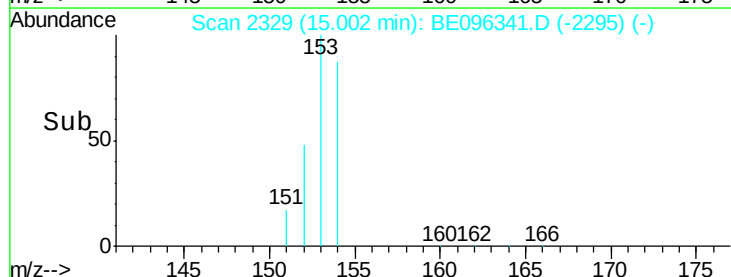
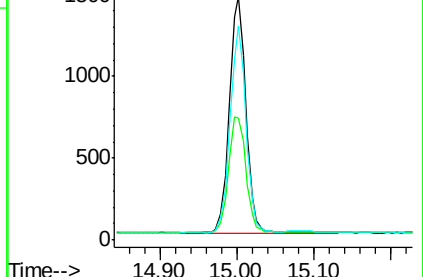
154 87.7 72.0 108.0

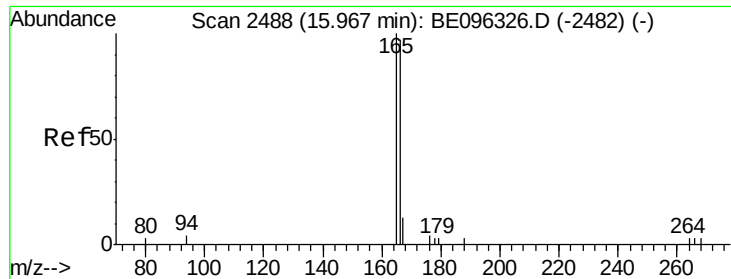


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

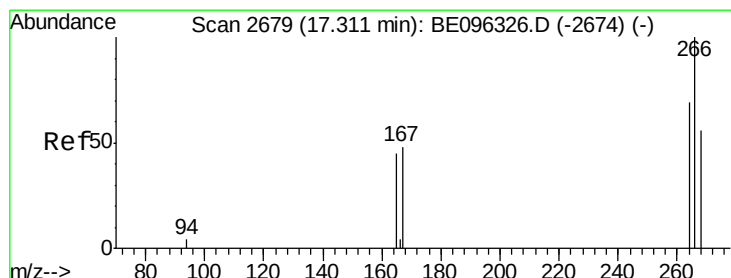
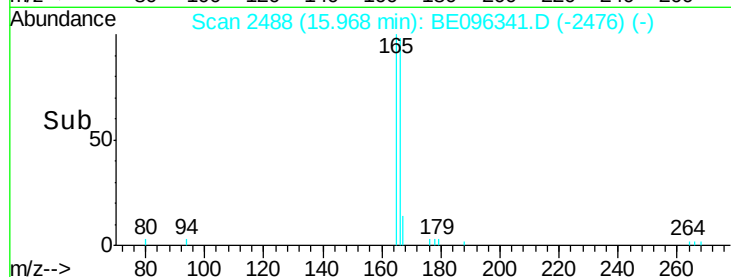
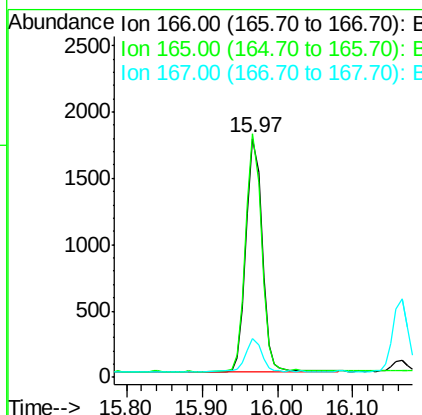
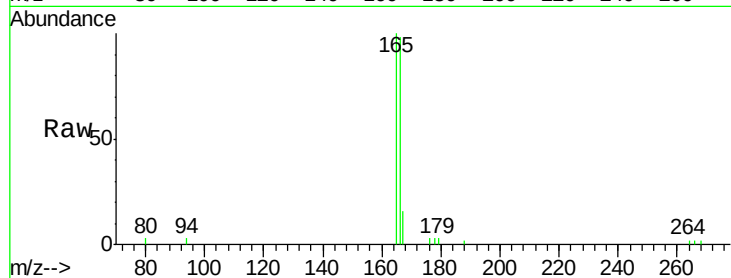




#9
Fluorene
 Concen: 0.396 ng/ul
 RT: 15.97 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: BE096341.D
 Acq: 4 May 2018 2:10

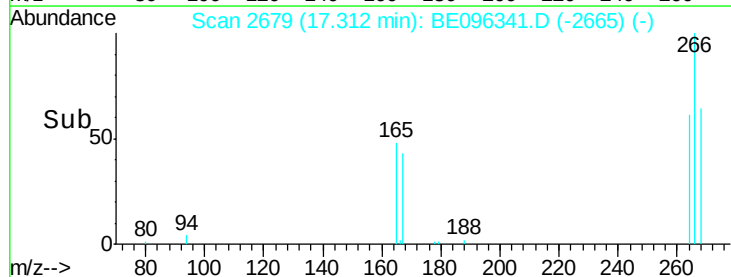
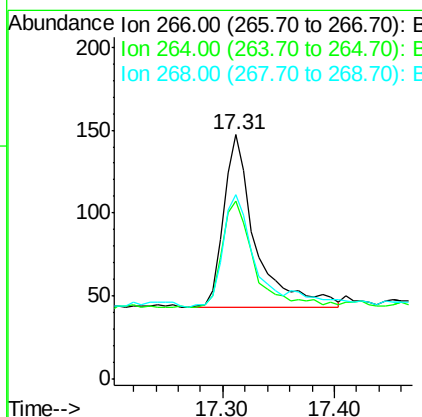
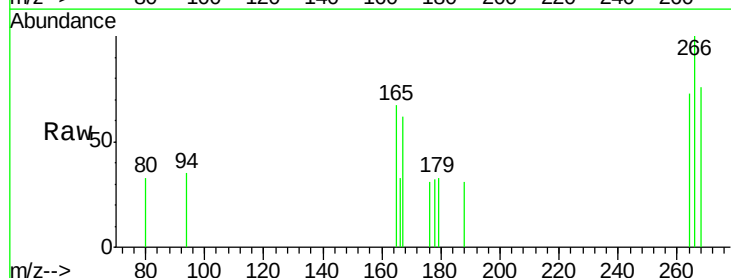
Instrument :
 BNA_E
 ClientSampleId :

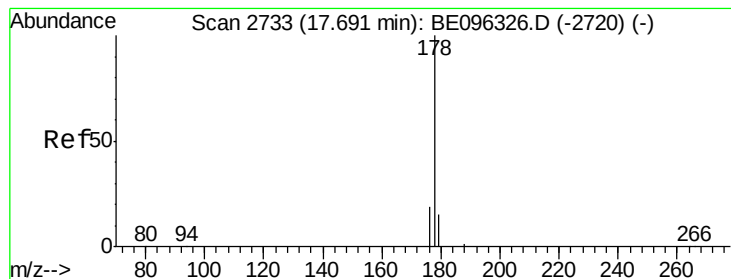
Tot Ion	Ratio	Lower	Upper
166	100		
165	102.1	73.4	110.2
167	16.1	14.6	22.0



#11
Pentachlorophenol
 Concen: 0.381 ng/ul
 RT: 17.31 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: BE096341.D
 Acq: 4 May 2018 2:10

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.7	47.9	71.9
268	74.2	49.8	74.8





#12

Phenanthrene

Concen: 0.385 ng/ul

RT: 17.69 min Scan# 2733

Delta R.T. 0.00 min

Lab File: BE096341.D

Acq: 4 May 2018 2:10

Instrument :

BNA_E

ClientSampleId :

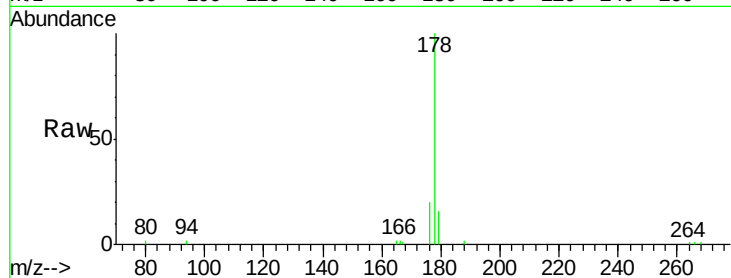
Tot Ion:178 Resp: 4637

Ion Ratio Lower Upper

178 100

179 15.9 18.4 27.6#

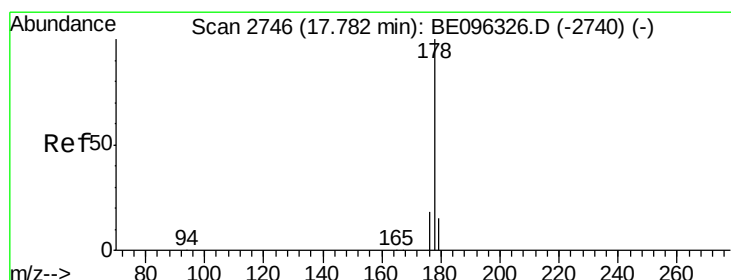
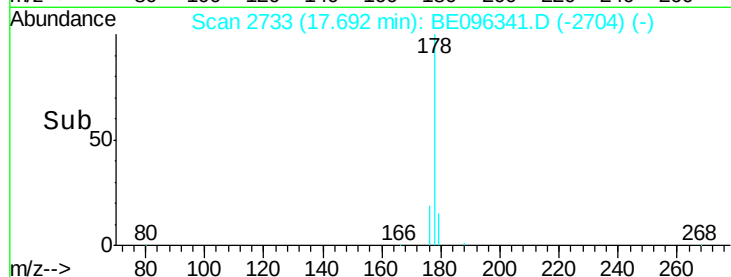
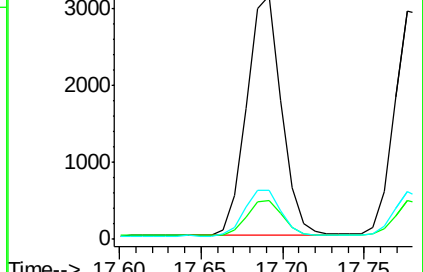
176 20.2 13.6 20.4



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: 0.391 ng/ul

RT: 17.78 min Scan# 2745

Delta R.T. -0.01 min

Lab File: BE096341.D

Acq: 4 May 2018 2:10

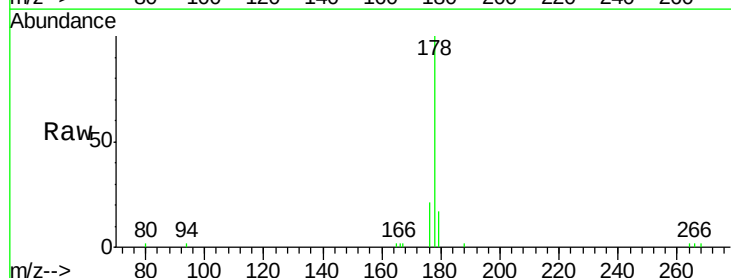
Tgt Ion:178 Resp: 4546

Ion Ratio Lower Upper

178 100

179 16.8 18.1 27.1#

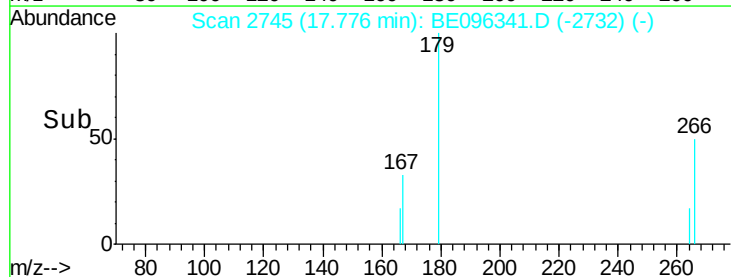
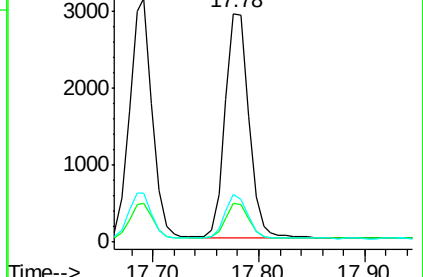
176 20.8 14.7 22.1

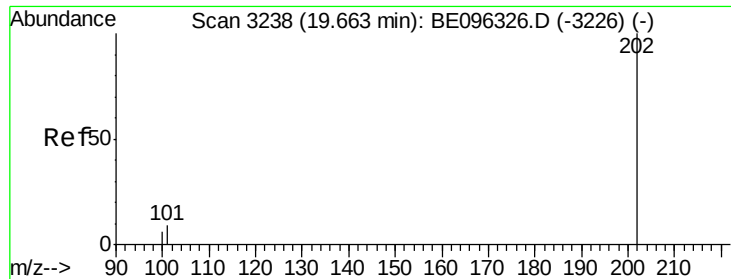


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.366 ng/ul

RT: 19.66 min Scan# 3236

Delta R.T. -0.00 min

Lab File: BE096341.D

Acq: 4 May 2018 2:10

Instrument :

BNA_E

ClientSampleId :

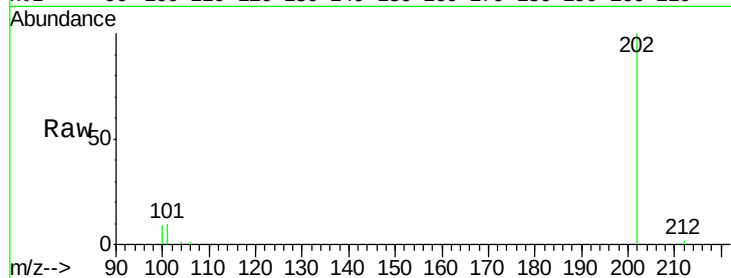
Tot Ion:202 Resp: 6281

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.3

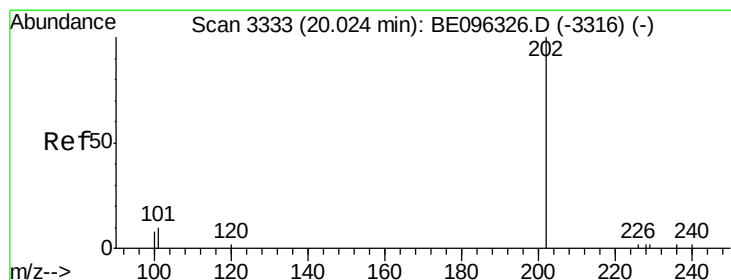
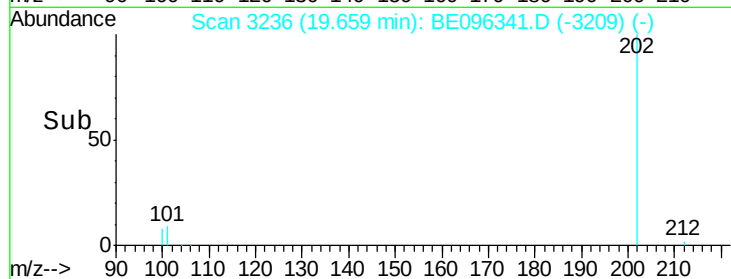
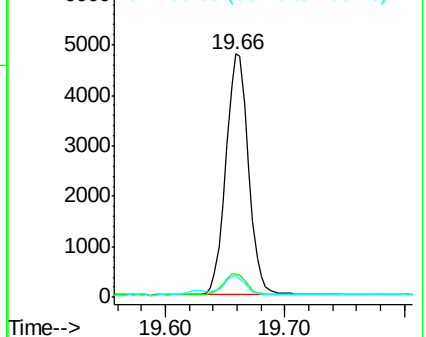
100 8.9 0.0 39.5



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: 0.329 ng/ul

RT: 20.02 min Scan# 3333

Delta R.T. 0.00 min

Lab File: BE096341.D

Acq: 4 May 2018 2:10

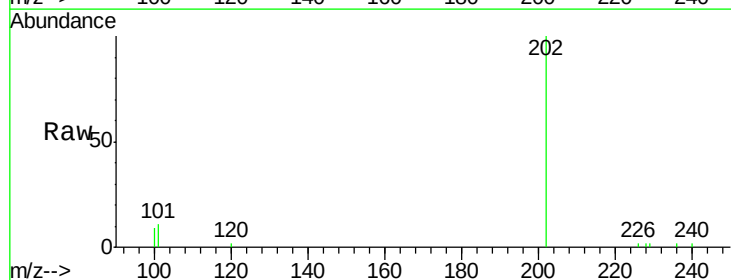
Tgt Ion:202 Resp: 1846

Ion Ratio Lower Upper

202 100

101 11.3 18.2 27.4#

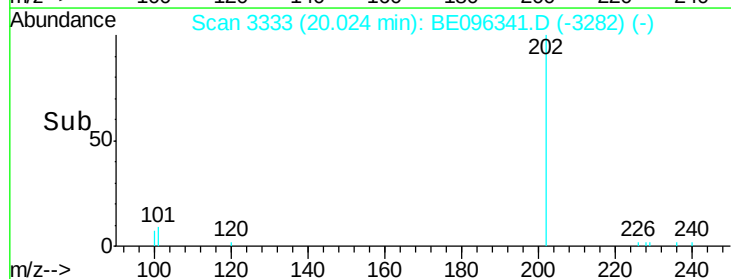
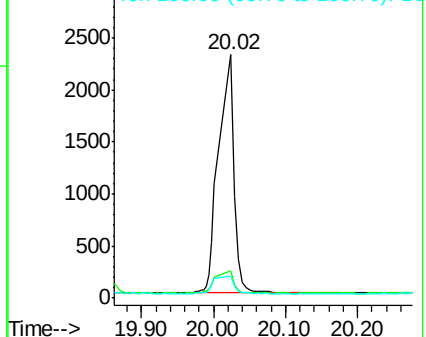
100 9.4 15.6 23.4#

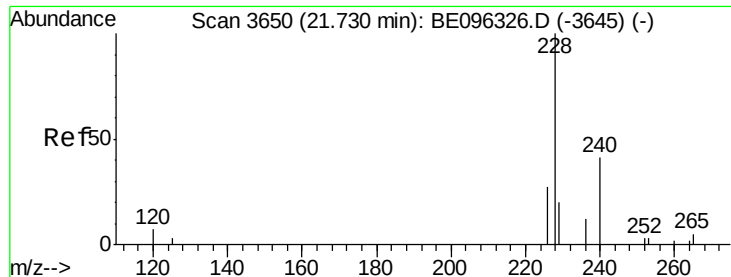


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.273 ng/ul

RT: 21.73 min Scan# 3650

Delta R.T. -0.00 min

Lab File: BE096341.D

Acq: 4 May 2018 2:10

Instrument :

BNA_E

ClientSampled :

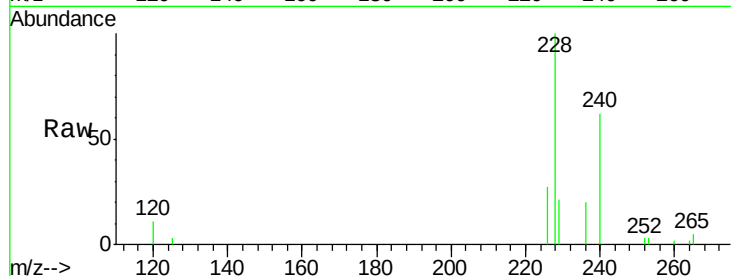
Tot Ion:228 Resp: 2129

Ion Ratio Lower Upper

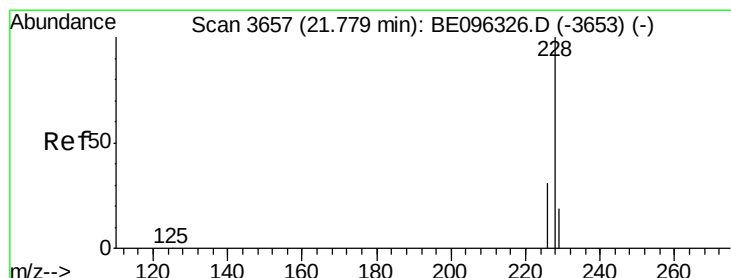
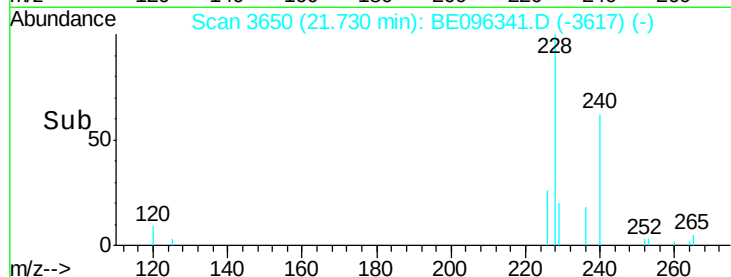
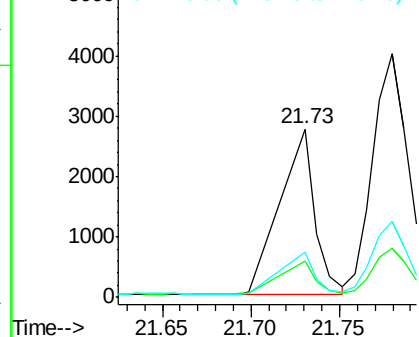
228 100

229 21.2 22.8 34.2#

226 26.9 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: 0.383 ng/ul

RT: 21.78 min Scan# 3657

Delta R.T. -0.00 min

Lab File: BE096341.D

Acq: 4 May 2018 2:10

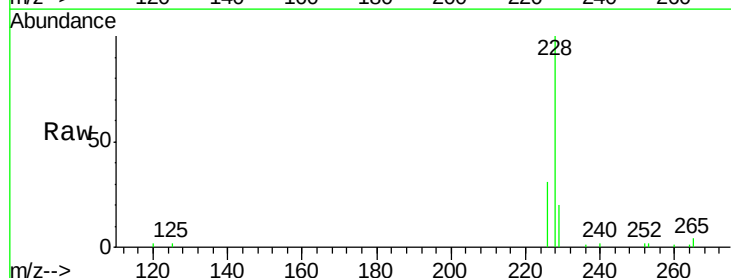
Tgt Ion:228 Resp: 5702

Ion Ratio Lower Upper

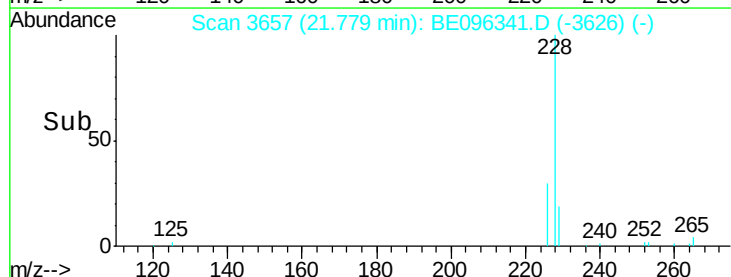
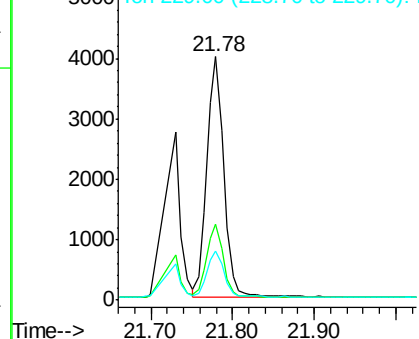
228 100

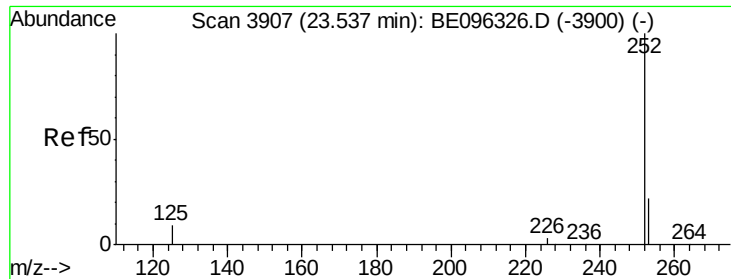
226 31.2 23.4 35.0

229 20.3 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# 3907

Delta R.T. -0.00 min

Lab File: BE096341.D

Acq: 4 May 2018 2:10

Instrument :

BNA_E

ClientSampleId :

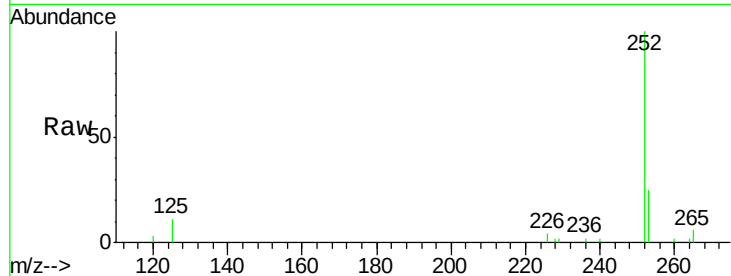
Tot Ion:252 Resp: 5262

Ion Ratio Lower Upper

252 100

253 25.0 0.0 64.2

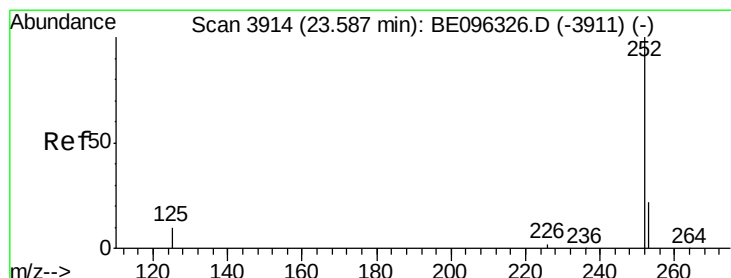
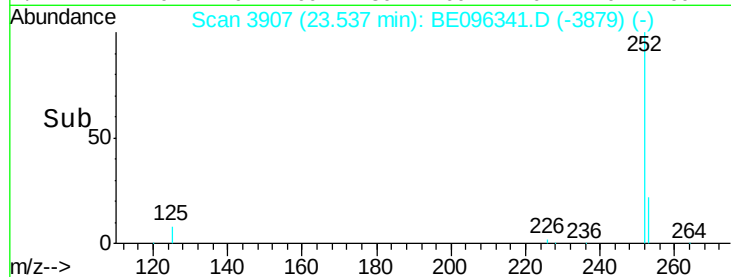
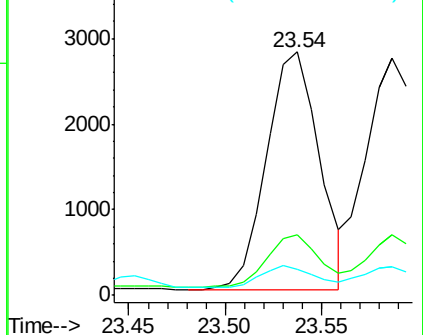
125 10.8 0.0 35.0



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: 0.409 ng/ul

RT: 23.59 min Scan# 3914

Delta R.T. -0.00 min

Lab File: BE096341.D

Acq: 4 May 2018 2:10

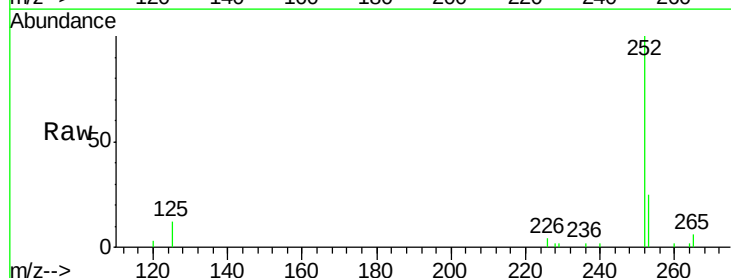
Tgt Ion:252 Resp: 5363

Ion Ratio Lower Upper

252 100

253 25.3 24.5 36.7

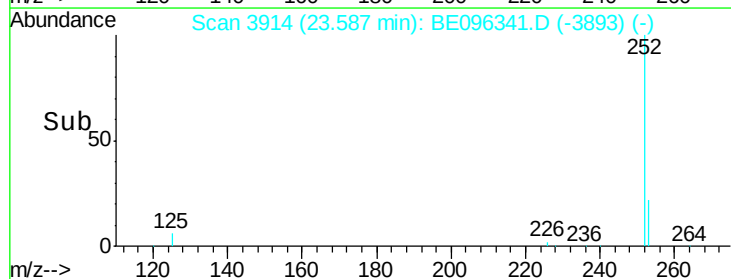
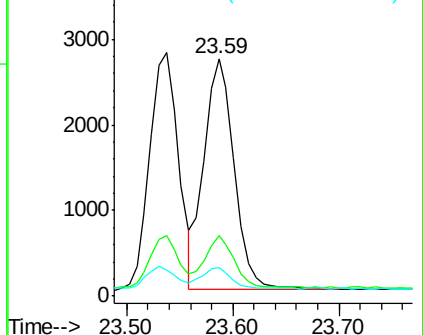
125 12.1 13.7 20.5#

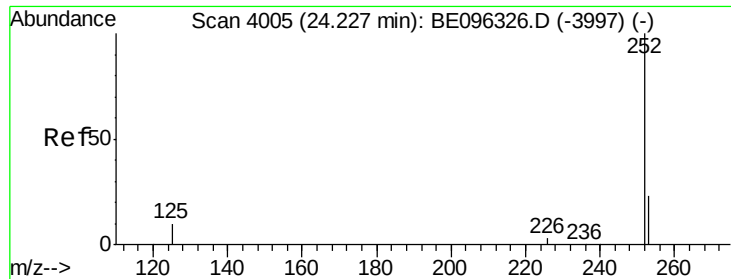


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.395 ng/ul

RT: 24.23 min Scan# 4005

Delta R.T. -0.00 min

Lab File: BE096341.D

Acq: 4 May 2018 2:10

Instrument :

BNA_E

ClientSampleId :

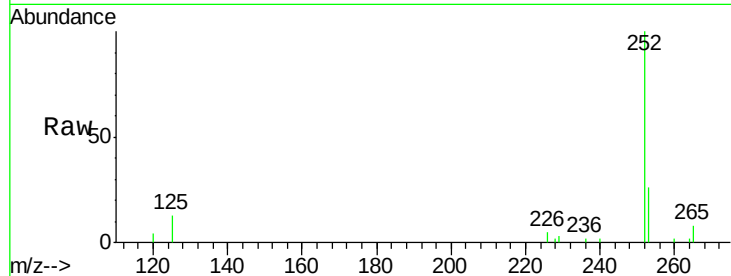
Tot Ion:252 Resp: 5027

Ion Ratio Lower Upper

252 100

253 25.6 28.5 42.7#

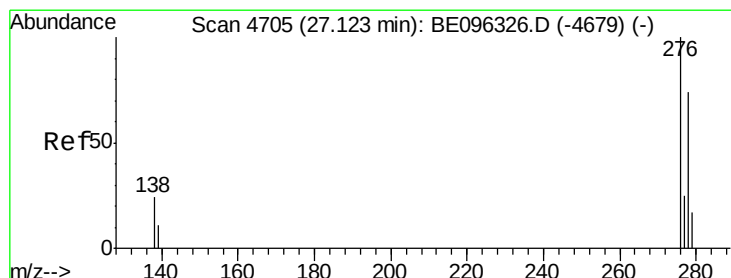
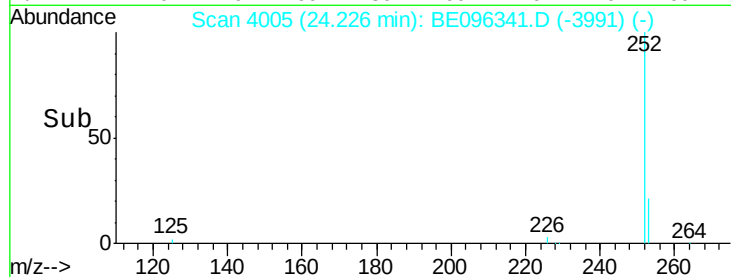
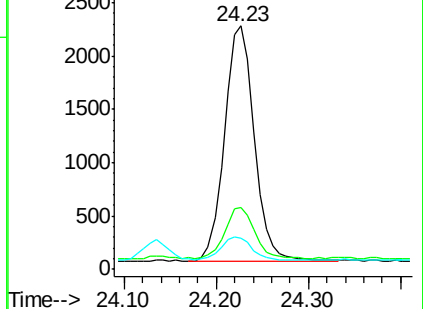
125 12.5 18.1 27.1#



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: 0.408 ng/ul

RT: 27.11 min Scan# 4703

Delta R.T. -0.01 min

Lab File: BE096341.D

Acq: 4 May 2018 2:10

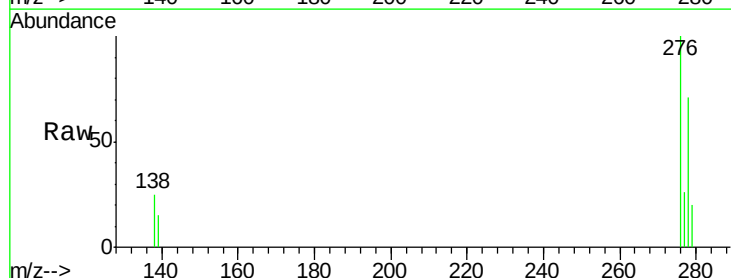
Tgt Ion:276 Resp: 5752

Ion Ratio Lower Upper

276 100

138 22.9 28.0 42.0#

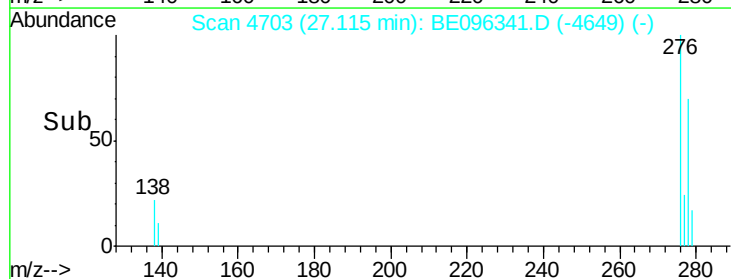
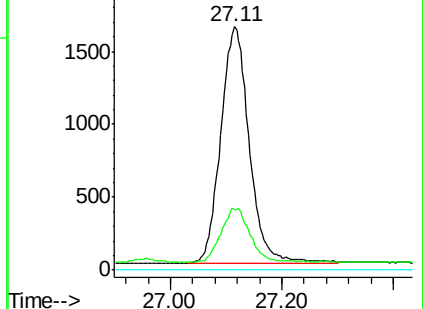
227 0.0 8.0 12.0#

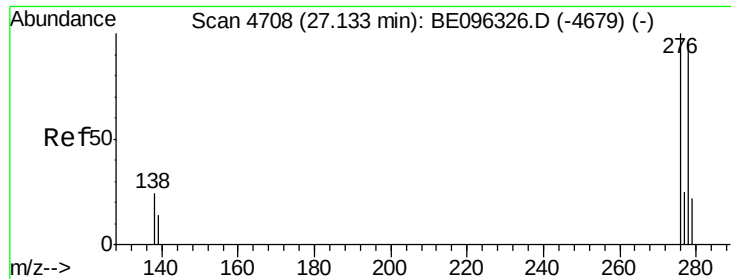


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



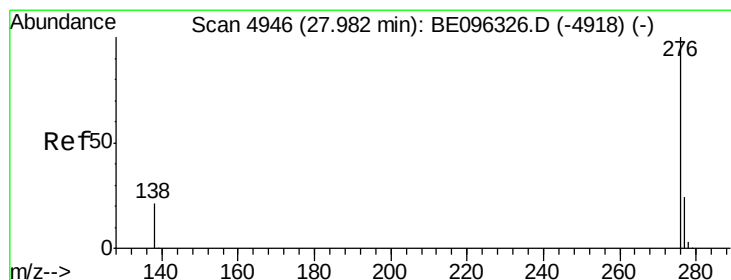
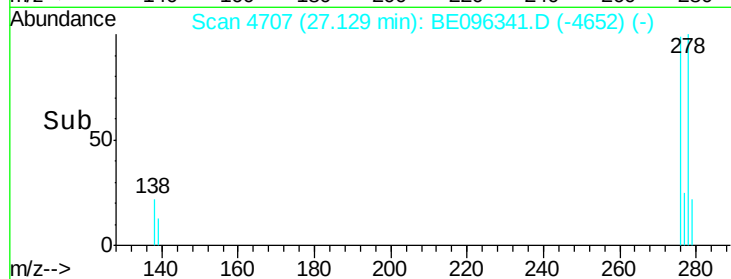
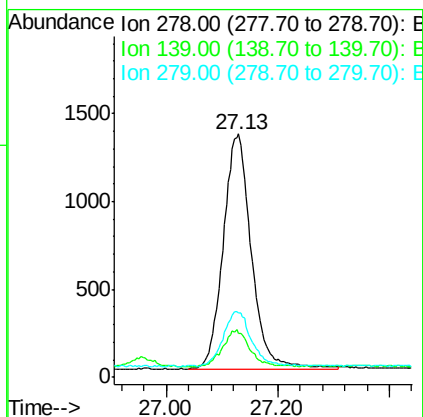
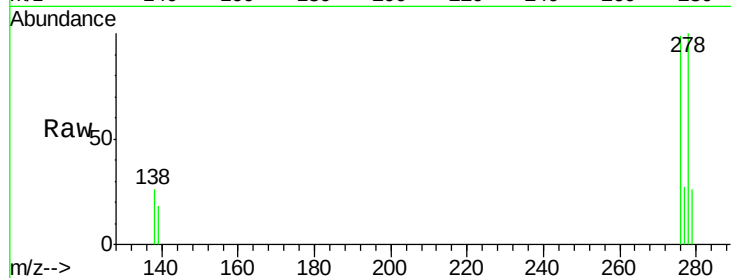


#25
Dibenzo(a,h)anthracene
Concen: 0.408 ng/ul
RT: 27.13 min Scan# 4707
Delta R.T. -0.00 min
Lab File: BE096341.D
Acq: 4 May 2018 2:10

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 4698

Ion	Ratio	Lower	Upper
278	100		
139	18.1	17.4	26.0
279	26.4	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.401 ng/ul
RT: 27.98 min Scan# 4945
Delta R.T. -0.00 min
Lab File: BE096341.D
Acq: 4 May 2018 2:10

Tgt Ion:276 Resp: 4751

Ion	Ratio	Lower	Upper
276	100		
138	23.6	21.8	32.8
277	26.7	20.5	30.7

