

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071718\
 Data File : BE096959.D
 Acq On : 17 Jul 2018 14:51
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 17 15:29:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE071718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 14:56:17 2018
 Response via : Initial Calibration

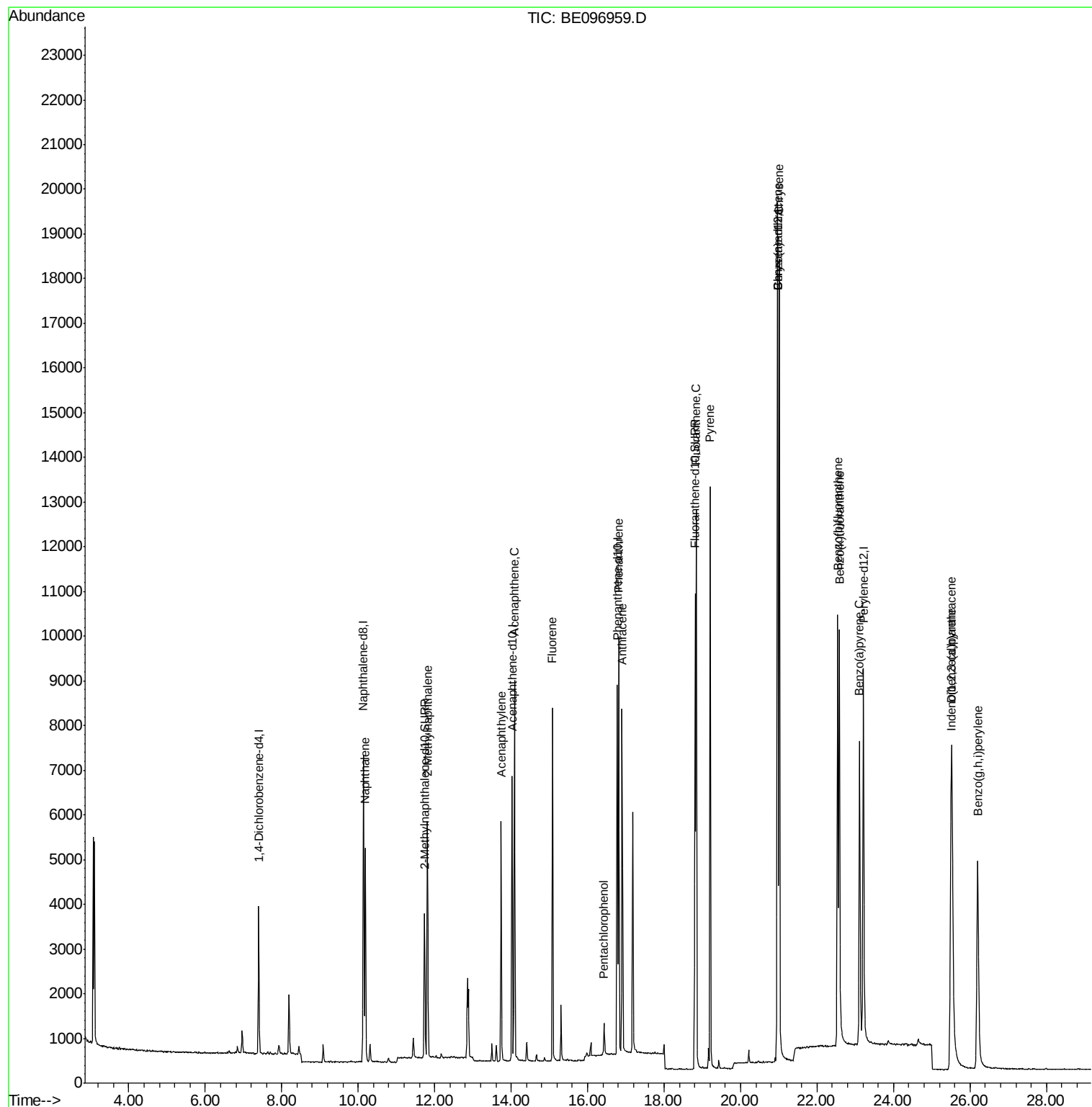
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1580	0.40	ng/ul	0.00
2) Naphthalene-d8	10.14	136	7083	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.03	164	3513	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.78	188	9834	0.40	ng/ul	0.00
16) Chrysene-d12	20.98	240	12757	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	11713	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.74	152	4423	0.39	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	11833	0.40	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.19	128	6924	0.403	ng/ul#	93
5) 2-Methylnaphthalene	11.81	142	4496	0.397	ng/ul	98
7) Acenaphthylene	13.74	152	6143	0.401	ng/ul	98
8) Acenaphthene	14.08	153	4755	0.400	ng/ul#	93
9) Fluorene	15.08	166	4945	0.392	ng/ul	94
11) Pentachlorophenol	16.43	266	368	0.331	ng/ul	95
12) Phenanthrene	16.82	178	10180	0.394	ng/ul#	89
13) Anthracene	16.90	178	8775	0.389	ng/ul#	90
15) Fluoranthene	18.84	202	13296	0.391	ng/ul	83
17) Pyrene	19.21	202	14238	0.386	ng/ul#	81
18) Benzo(a)anthracene	20.96	228	12992	0.385	ng/ul#	86
19) Chrysene	21.01	228	15034	0.392	ng/ul	95
21) Benzo(b)fluoranthene	22.54	252	12024	0.362	ng/ul	83
22) Benzo(k)fluoranthene	22.58	252	13914	0.405	ng/ul#	84
23) Benzo(a)pyrene	23.11	252	10772	0.369	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.50	276	12458	0.381	ng/ul#	80
25) Dibenzo(a,h)anthracene	25.53	278	10474	0.383	ng/ul#	88
26) Benzo(g,h,i)perylene	26.20	276	11254	0.386	ng/ul	94

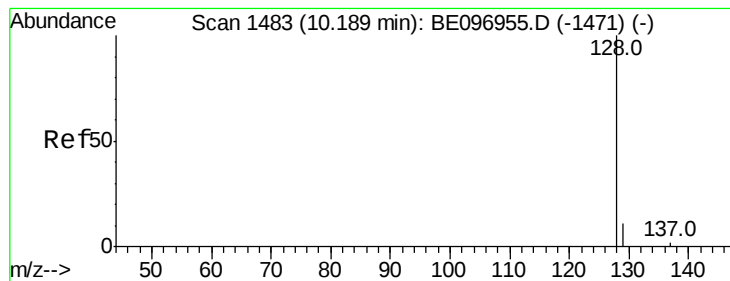
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.403 ng/ul

RT: 10.19 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

Instrument :

BNA_E

ClientSampleId :

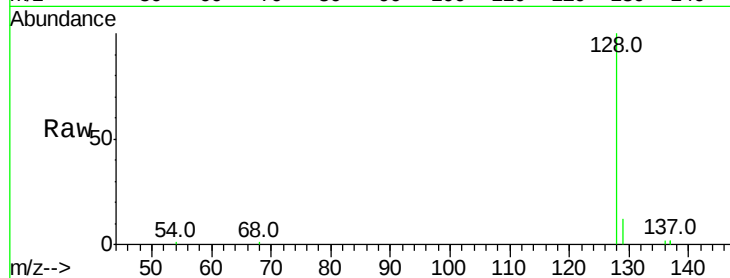
Tot Ion:128 Resp: 6924

Ion Ratio Lower Upper

128 100

129 12.3 11.3 16.9

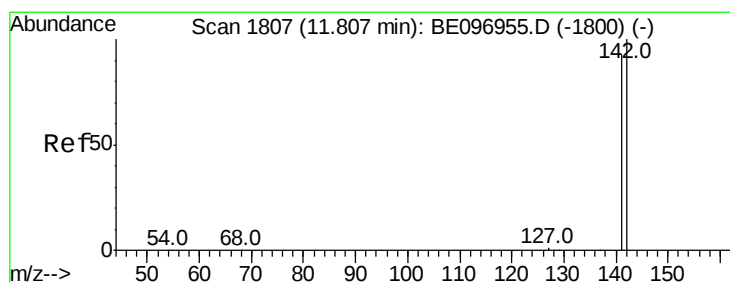
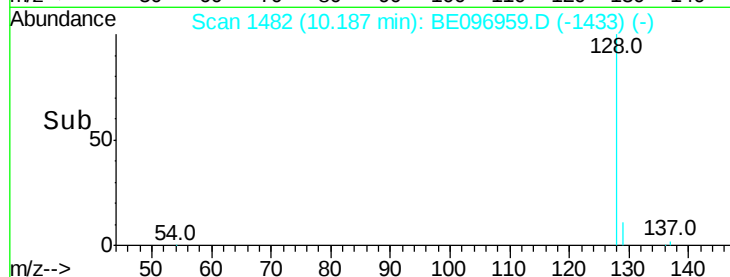
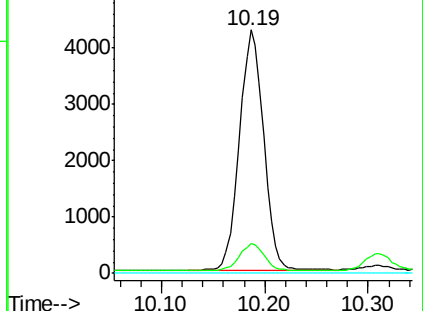
127 0.0 4.0 6.0#



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: 0.397 ng/ul

RT: 11.81 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BE096959.D

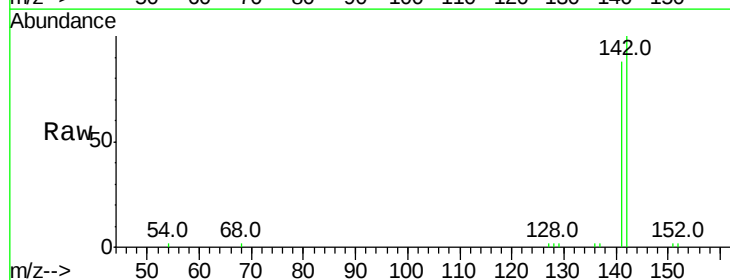
Acq: 17 Jul 2018 14:51

Tgt Ion:142 Resp: 4496

Ion Ratio Lower Upper

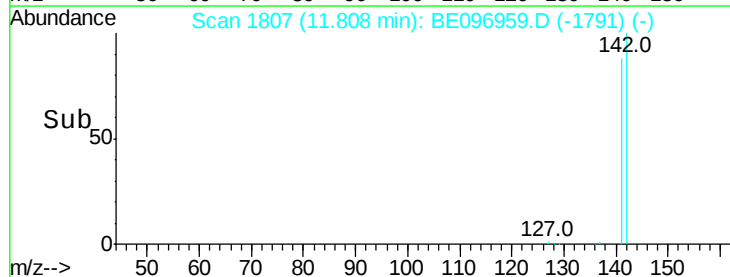
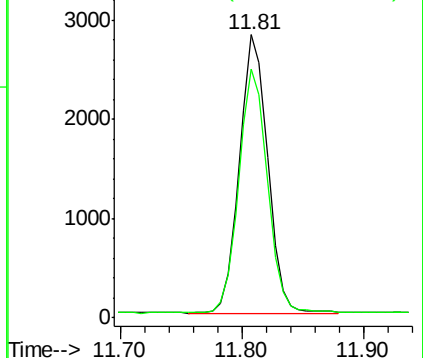
142 100

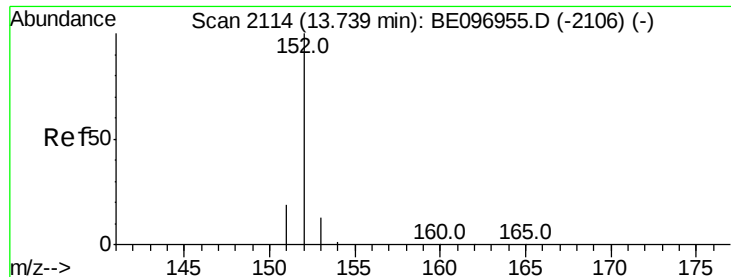
141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.401 ng/ul

RT: 13.74 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

Instrument :

BNA_E

ClientSampleId :

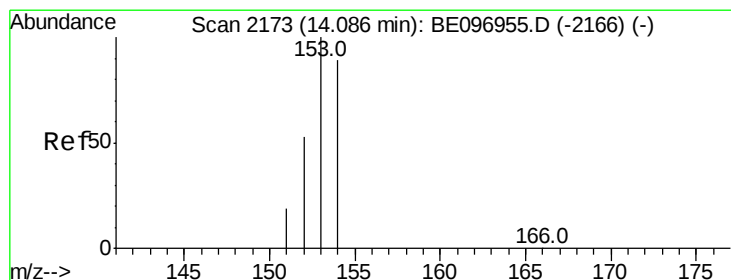
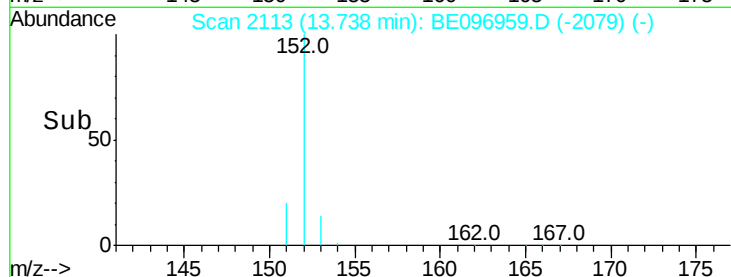
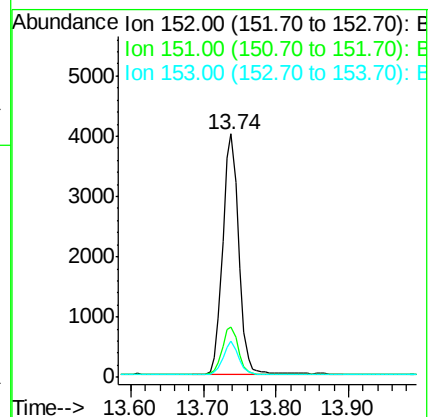
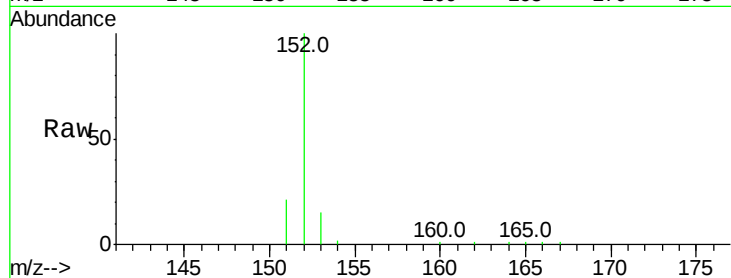
Tot Ion:152 Resp: 6143

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

153 14.7 12.8 19.2



#8

Acenaphthene

Concen: 0.400 ng/ul

RT: 14.08 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

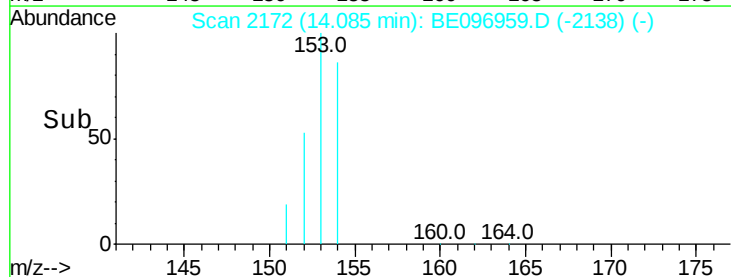
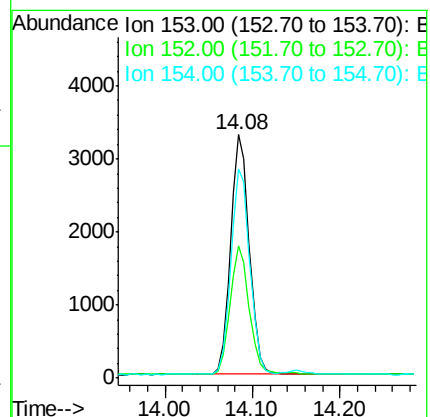
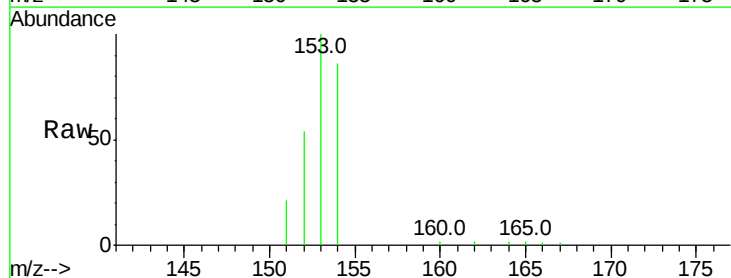
Tgt Ion:153 Resp: 4755

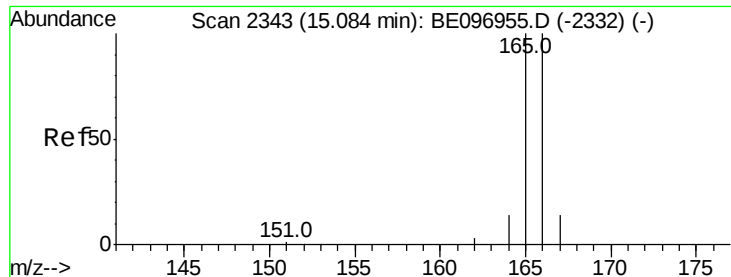
Ion Ratio Lower Upper

153 100

152 54.1 36.0 54.0#

154 86.1 72.0 108.0





#9

Fluorene

Concen: 0.392 ng/ul

RT: 15.08 min Scan# 2342

Delta R.T. -0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

Instrument :

BNA_E

ClientSampleId :

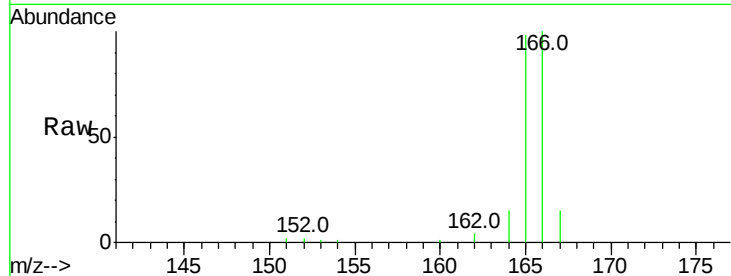
Tot Ion:166 Resp: 4945

Ion Ratio Lower Upper

166 100

165 97.8 73.4 110.2

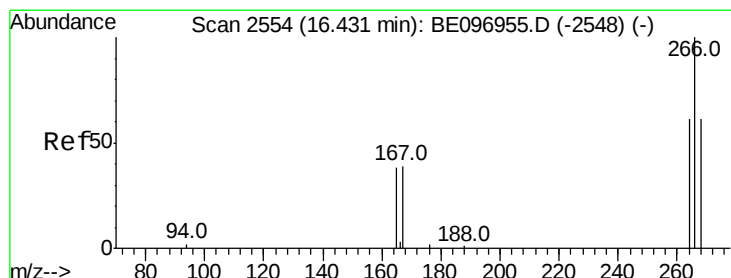
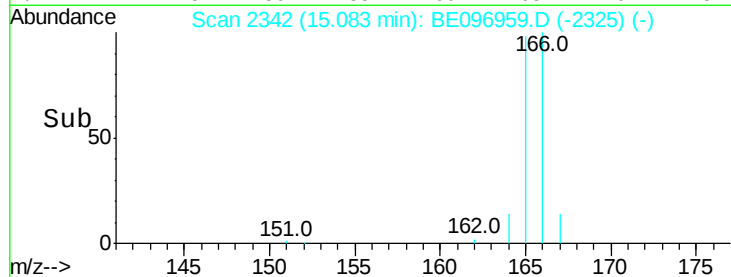
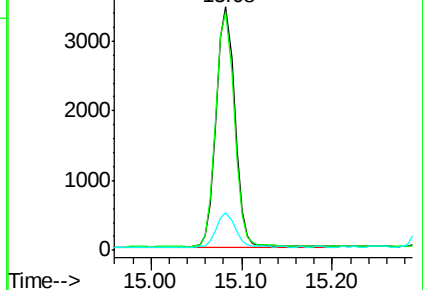
167 15.5 14.6 22.0



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: 0.331 ng/ul

RT: 16.43 min Scan# 2553

Delta R.T. -0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

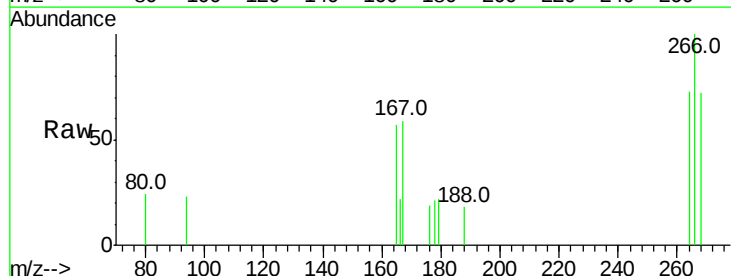
Tgt Ion:266 Resp: 368

Ion Ratio Lower Upper

266 100

264 67.7 47.9 71.9

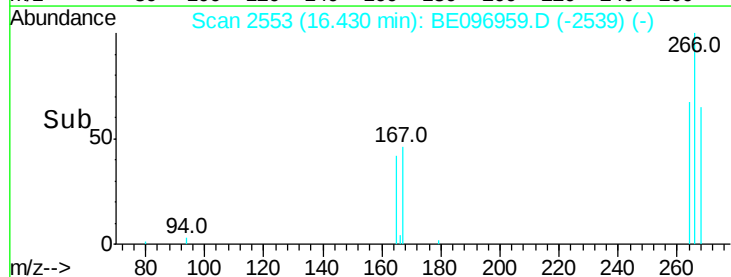
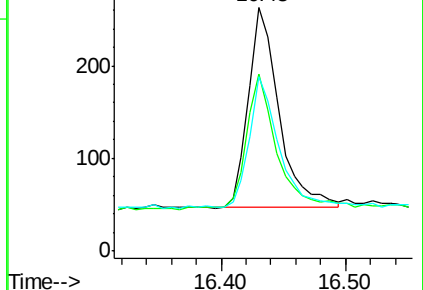
268 62.2 49.8 74.8

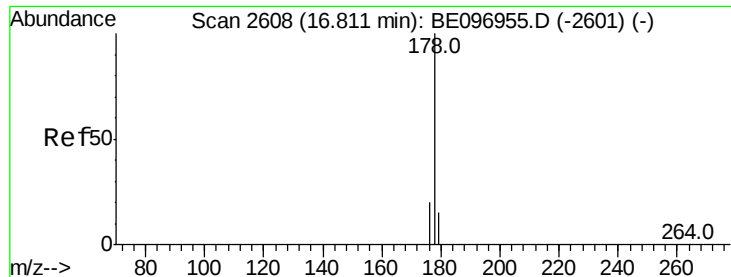


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.394 ng/ul

RT: 16.82 min Scan# 2608

Delta R.T. 0.01 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

Instrument :

BNA_E

ClientSampleId :

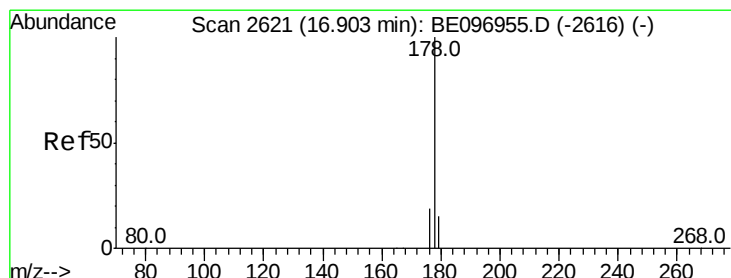
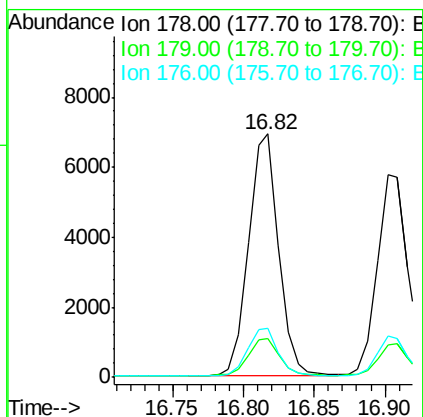
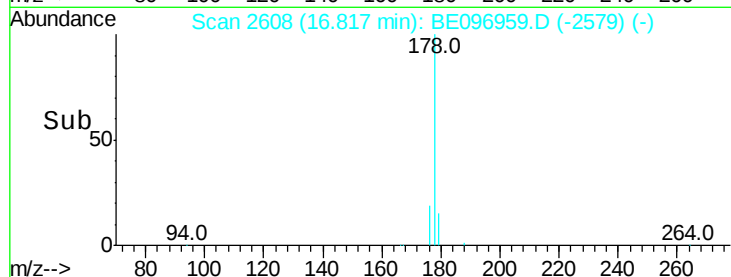
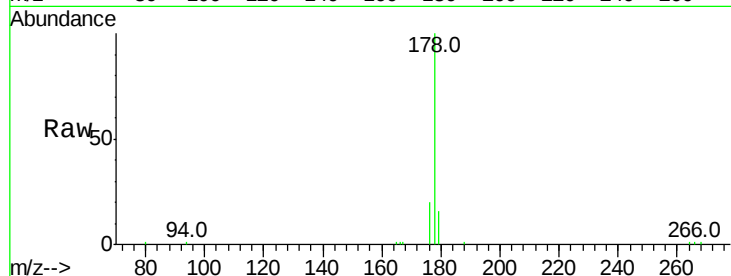
Tot Ion:178 Resp: 10180

Ion Ratio Lower Upper

178 100

179 15.9 18.4 27.6#

176 19.9 13.6 20.4



#13

Anthracene

Concen: 0.389 ng/ul

RT: 16.90 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

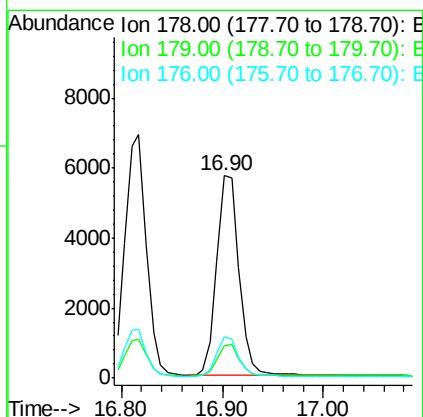
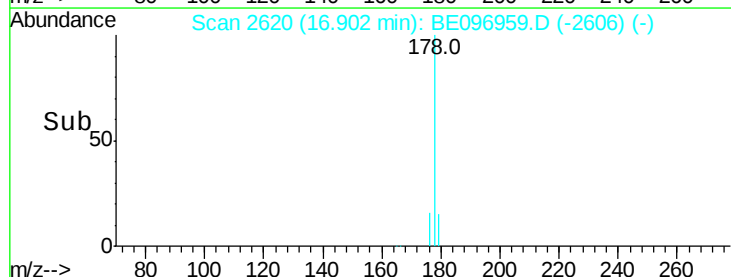
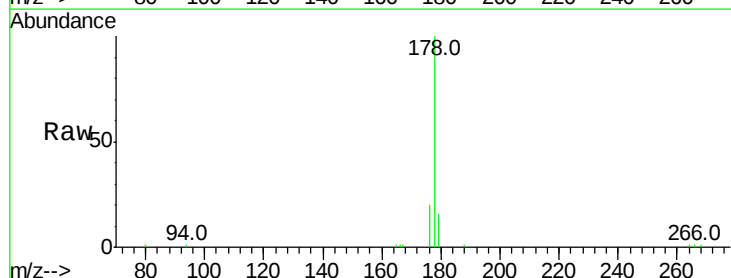
Tgt Ion:178 Resp: 8775

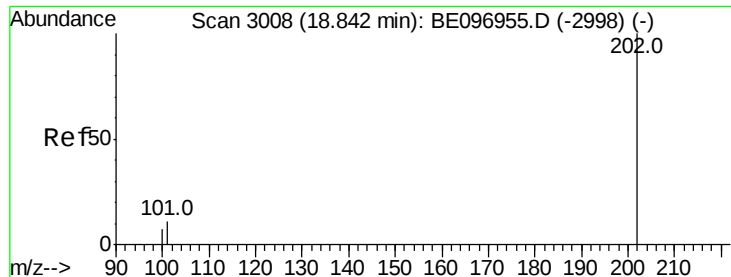
Ion Ratio Lower Upper

178 100

179 15.8 18.1 27.1#

176 20.1 14.7 22.1





#15

Fluoranthene

Concen: 0.391 ng/ul

RT: 18.84 min Scan# 3007

Delta R.T. 0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

Instrument :

BNA_E

ClientSampleId :

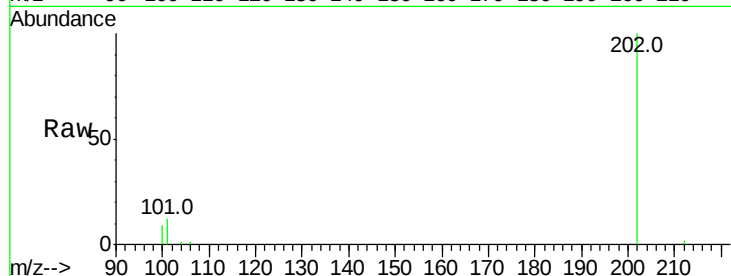
Tot Ion:202 Resp: 13296

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.3

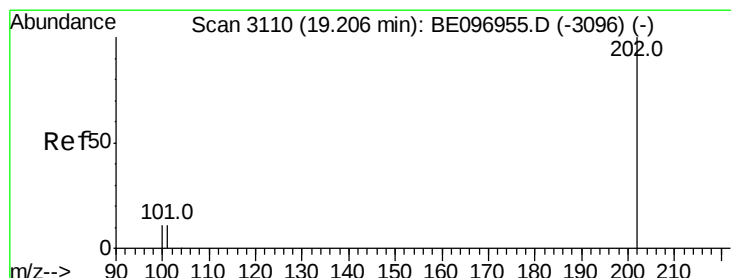
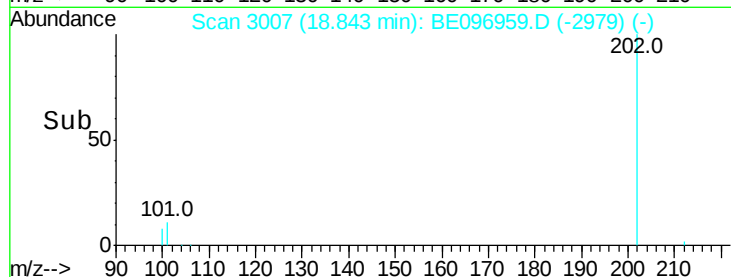
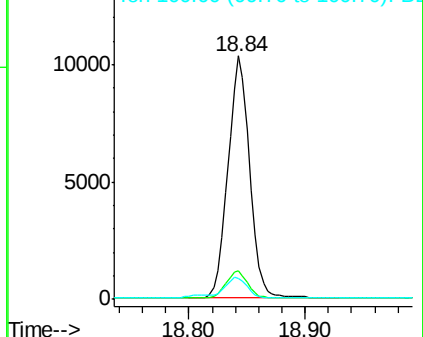
100 8.8 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.386 ng/ul

RT: 19.21 min Scan# 3109

Delta R.T. 0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

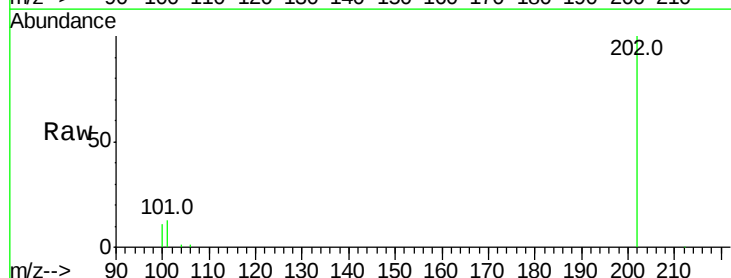
Tgt Ion:202 Resp: 14238

Ion Ratio Lower Upper

202 100

101 13.5 18.2 27.4#

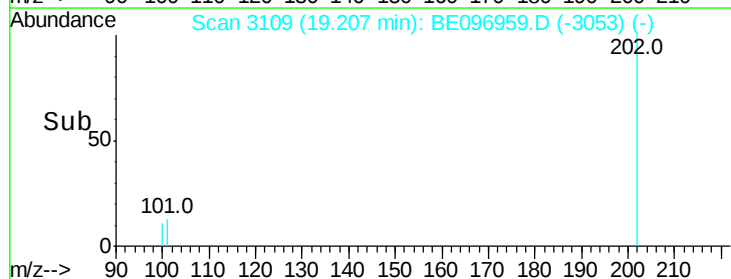
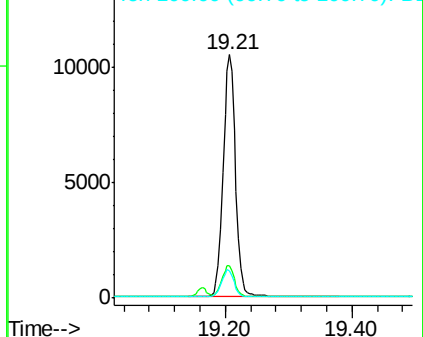
100 11.5 15.6 23.4#

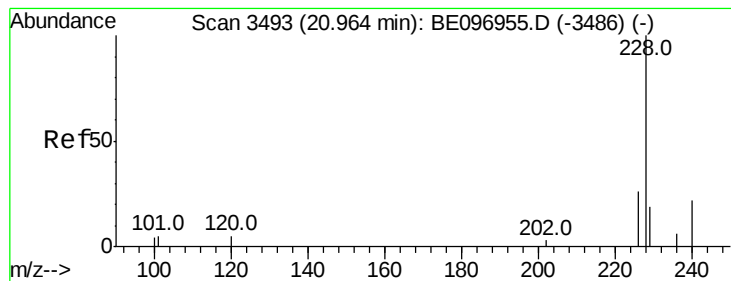


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.385 ng/ul

RT: 20.96 min Scan# 3491

Delta R.T. -0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

Instrument :

BNA_E

ClientSampleId :

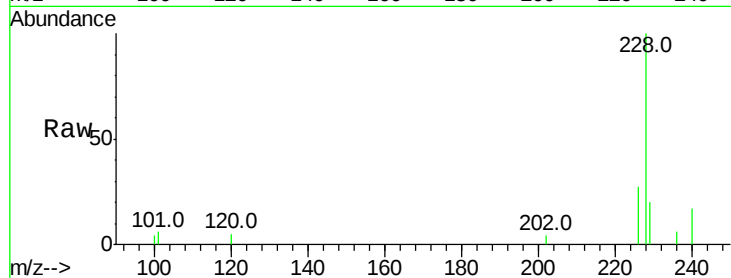
Tot Ion:228 Resp: 12992

Ion Ratio Lower Upper

228 100

229 20.1 22.8 34.2#

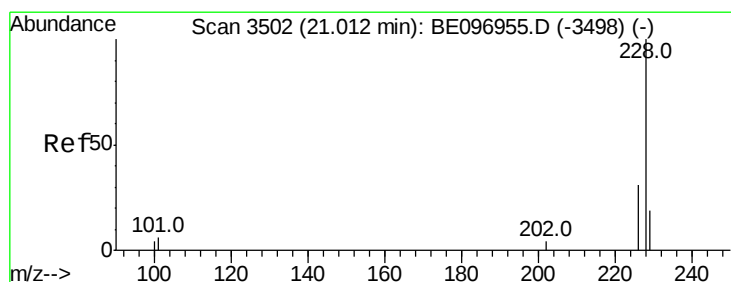
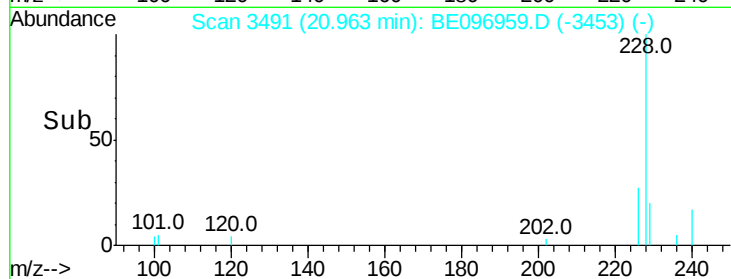
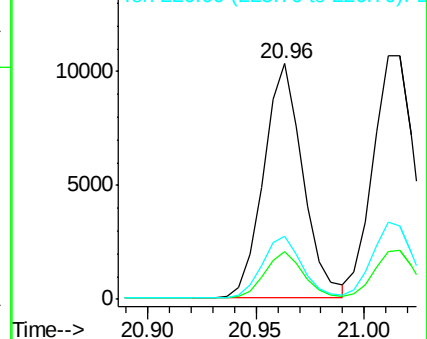
226 27.0 17.0 25.6#



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: 0.392 ng/ul

RT: 21.01 min Scan# 3500

Delta R.T. -0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

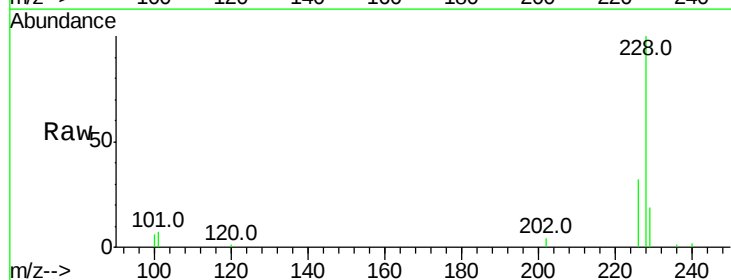
Tgt Ion:228 Resp: 15034

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.0

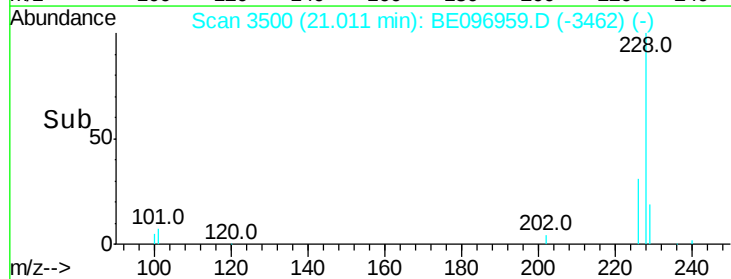
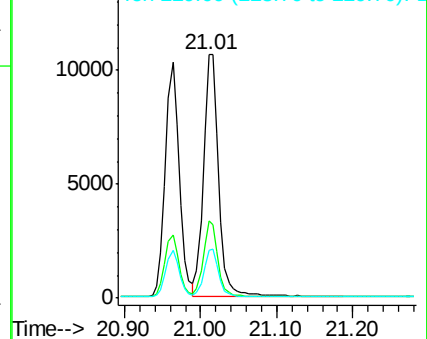
229 19.4 17.7 26.5

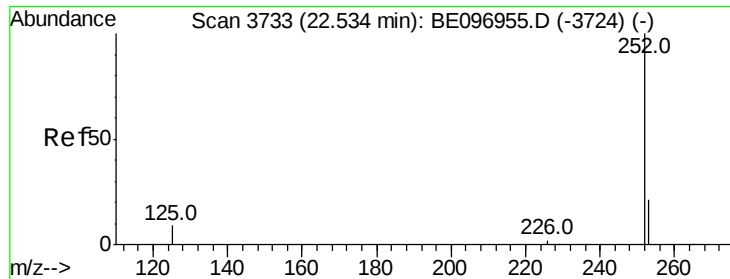


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.362 ng/ul

RT: 22.54 min Scan# 3731

Delta R.T. 0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

Instrument :

BNA_E

ClientSampleId :

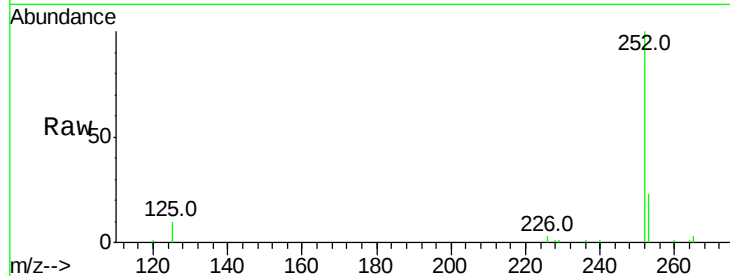
Tot Ion:252 Resp: 12024

Ion Ratio Lower Upper

252 100

253 22.5 0.0 64.2

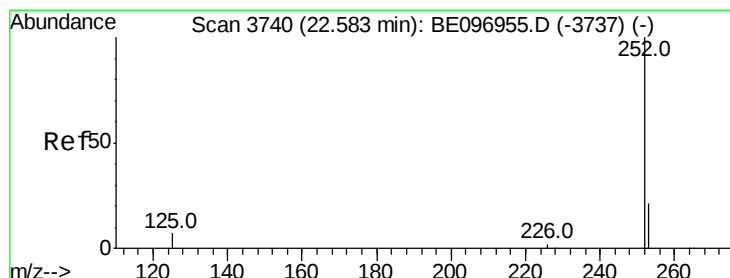
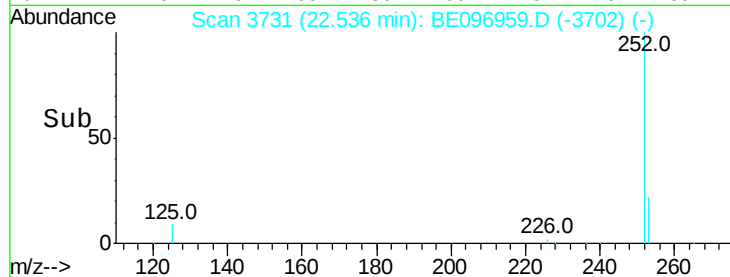
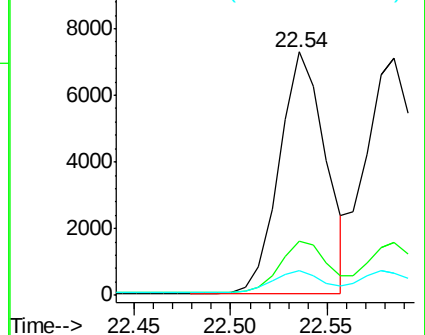
125 10.0 0.0 35.0



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: 0.405 ng/ul

RT: 22.58 min Scan# 3738

Delta R.T. 0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

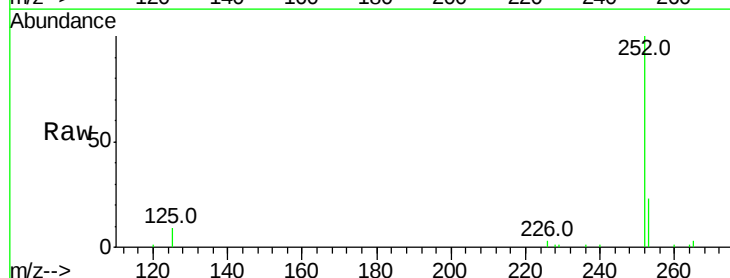
Tgt Ion:252 Resp: 13914

Ion Ratio Lower Upper

252 100

253 22.6 24.5 36.7#

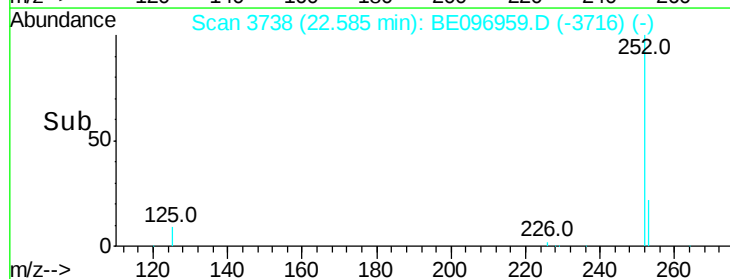
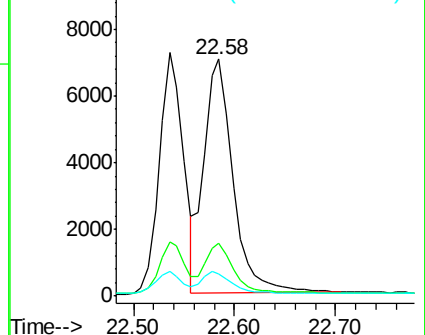
125 9.5 13.7 20.5#

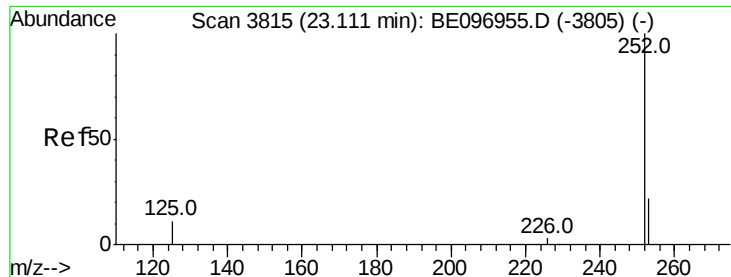


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.369 ng/ul

RT: 23.11 min Scan# 3813

Delta R.T. 0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

Instrument :

BNA_E

ClientSampleId :

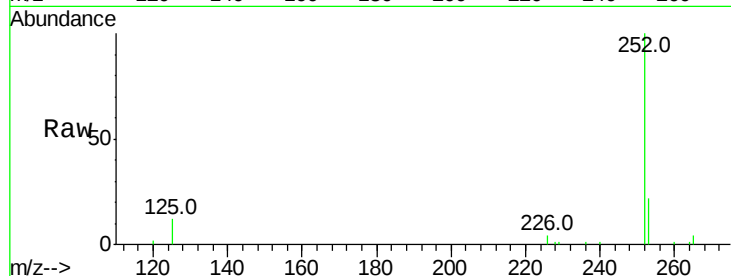
Tot Ion:252 Resp: 10772

Ion Ratio Lower Upper

252 100

253 22.4 28.5 42.7#

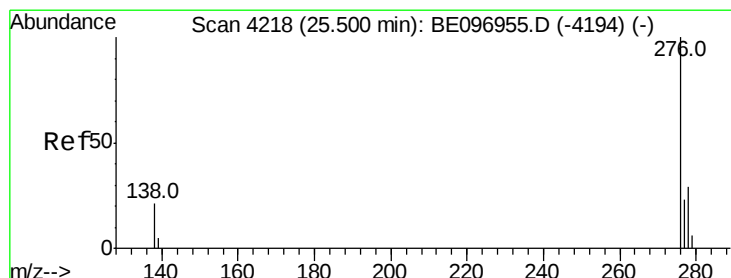
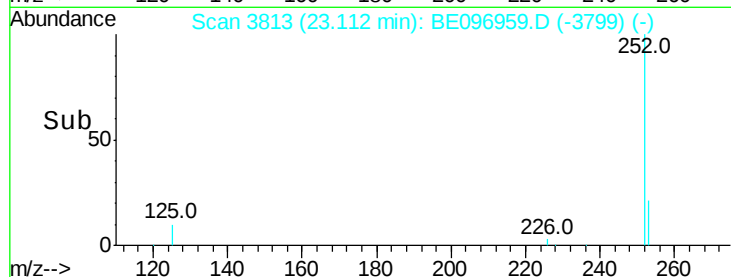
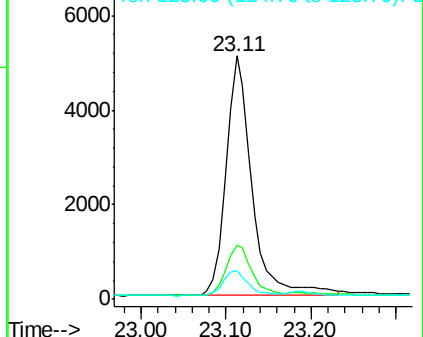
125 11.5 18.1 27.1#



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: 0.381 ng/ul

RT: 25.50 min Scan# 4217

Delta R.T. 0.00 min

Lab File: BE096959.D

Acq: 17 Jul 2018 14:51

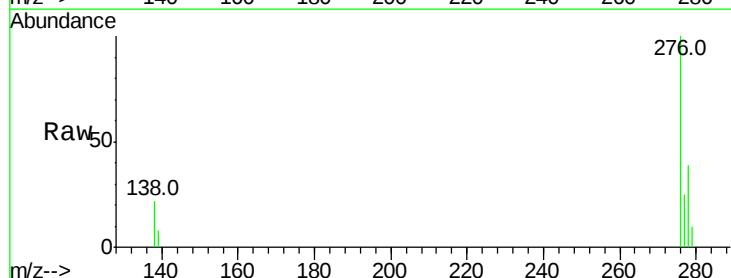
Tgt Ion:276 Resp: 12458

Ion Ratio Lower Upper

276 100

138 24.6 28.0 42.0#

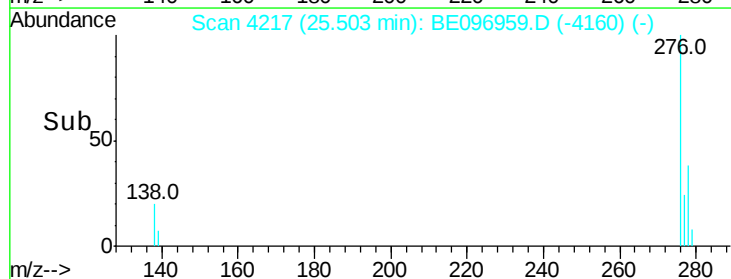
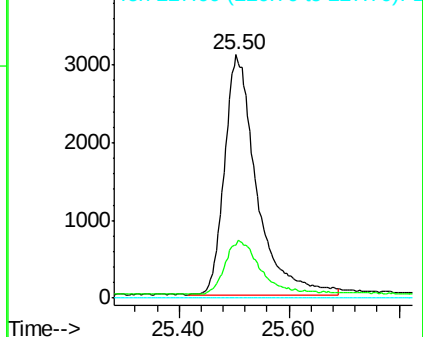
227 0.0 8.0 12.0#

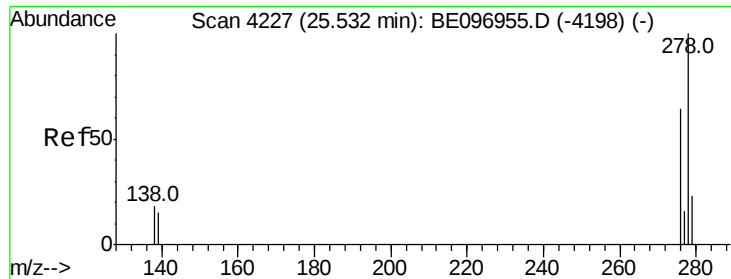


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

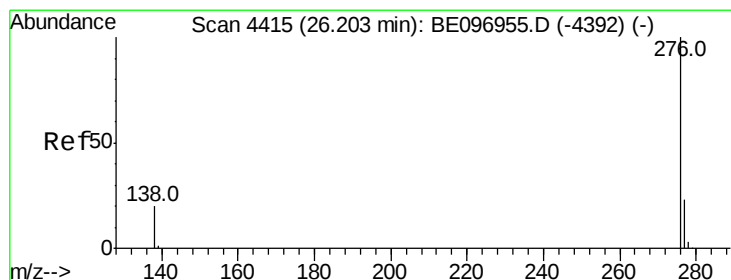
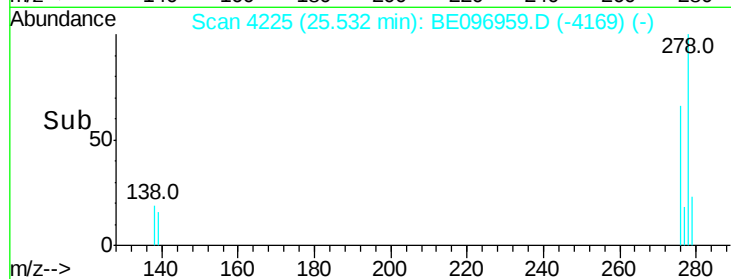
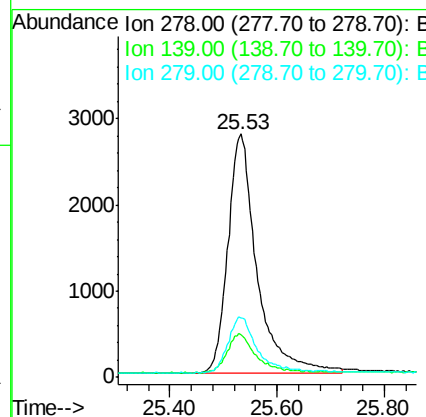
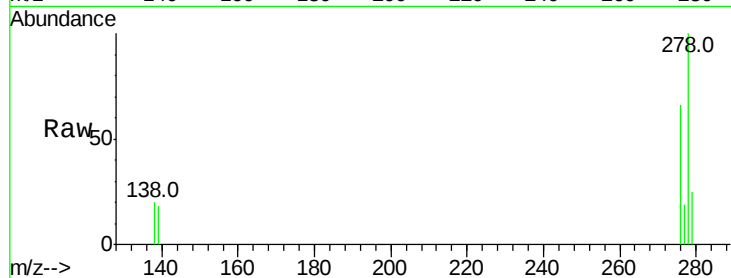




#25
Dibenzo(a,h)anthracene
Concen: 0.383 ng/ul
RT: 25.53 min Scan# 4225
Delta R.T. -0.00 min
Lab File: BE096959.D
Acq: 17 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 10474
Ion Ratio Lower Upper
278 100
139 17.6 17.4 26.0
279 24.5 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.386 ng/ul
RT: 26.20 min Scan# 4413
Delta R.T. -0.00 min
Lab File: BE096959.D
Acq: 17 Jul 2018 14:51

Tgt Ion:276 Resp: 11254
Ion Ratio Lower Upper
276 100
138 22.5 21.8 32.8
277 24.3 20.5 30.7

