

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095904.D
 Acq On : 29 Mar 2018 7:27
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 29 08:07:33 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 07:00:13 2018
 Response via : Initial Calibration

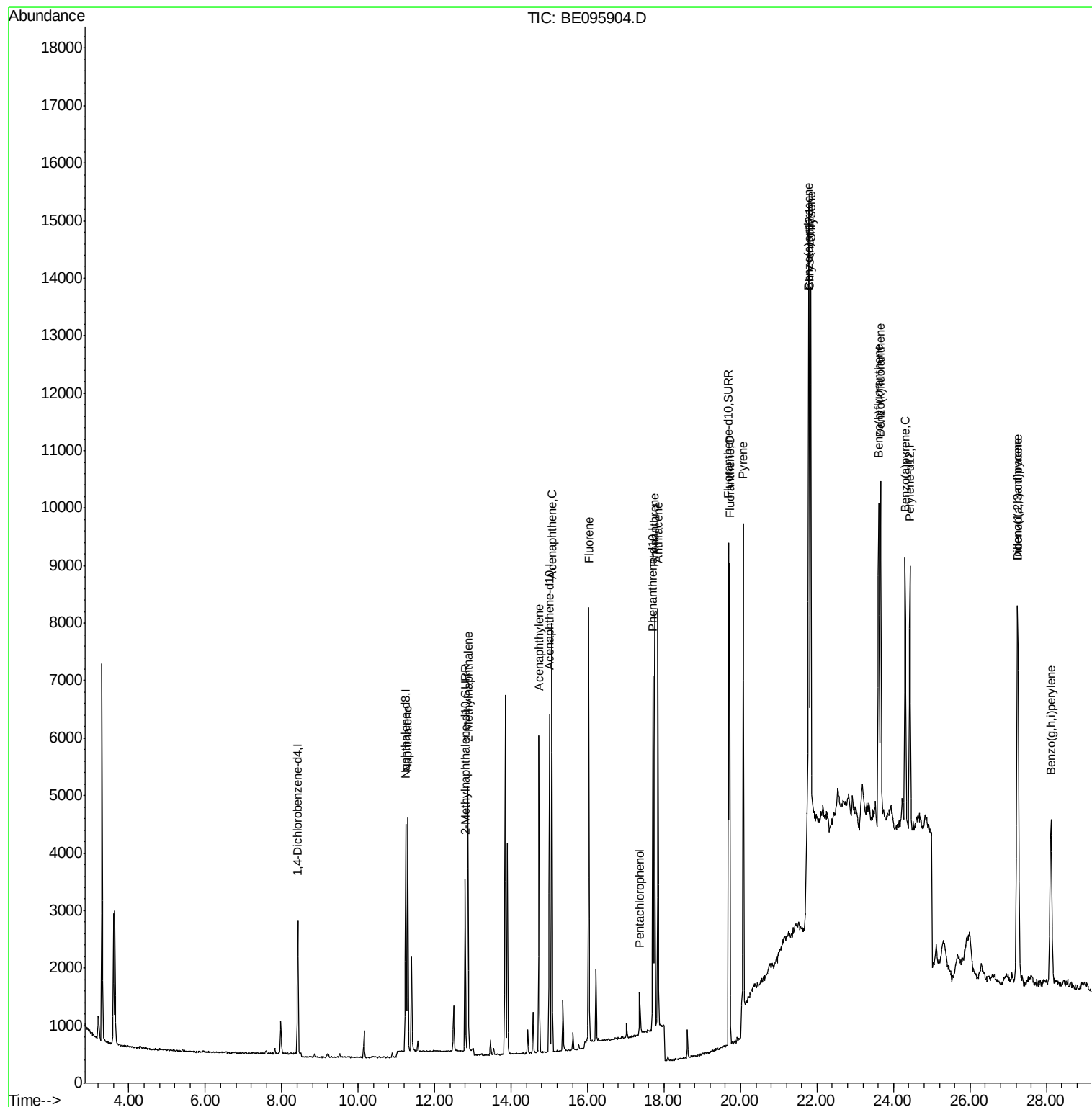
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1752	0.40	ng/ul	0.00
2) Naphthalene-d8	11.24	136	5299	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.00	164	3133	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.70	188	7147	0.40	ng/ul	0.00
16) Chrysene-d12	21.79	240	6988	0.40	ng/ul	0.00
20) Perylene-d12	24.43	264	6919	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.80	152	3834	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.68	212	9817	0.43	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.29	128	5390	0.364	ng/ul#	88
5) 2-Methylnaphthalene	12.87	142	3861	0.375	ng/ul	99
7) Acenaphthylene	14.73	152	6234	0.394	ng/ul	96
8) Acenaphthene	15.06	153	4370	0.367	ng/ul	95
9) Fluorene	16.03	166	4848	0.375	ng/ul#	91
11) Pentachlorophenol	17.37	266	445	0.443	ng/ul	99
12) Phenanthrene	17.75	178	7586	0.354	ng/ul#	89
13) Anthracene	17.84	178	7757	0.388	ng/ul#	91
15) Fluoranthene	19.72	202	9393	0.362	ng/ul	84
17) Pyrene	20.07	202	10693	0.403	ng/ul#	77
18) Benzo(a)anthracene	21.78	228	8878	0.394	ng/ul#	87
19) Chrysene	21.84	228	8337	0.363	ng/ul	91
21) Benzo(b)fluoranthene	23.61	252	8186	0.342	ng/ul	92
22) Benzo(k)fluoranthene	23.66	252	8095	0.355	ng/ul#	94
23) Benzo(a)pyrene	24.31	252	7941	0.363	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	27.24	276	9207	0.379	ng/ul#	79
25) Dibenzo(a,h)anthracene	27.25	278	7405	0.382	ng/ul#	91
26) Benzo(g,h,i)perylene	28.12	276	7450	0.357	ng/ul#	92

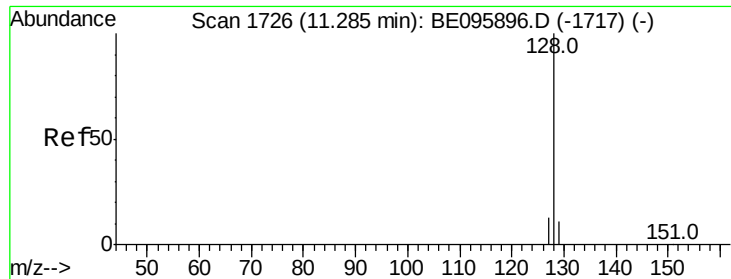
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.364 ng/ul

RT: 11.29 min Scan# 1728

Delta R.T. 0.01 min

Lab File: BE095904.D

Acq: 29 Mar 2018 7:27

Instrument :

BNA_E

ClientSampleId :

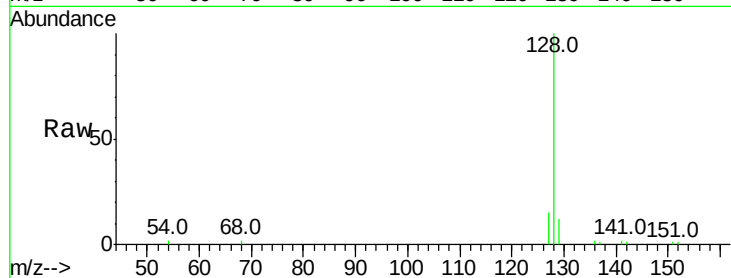
Tot Ion:128 Resp: 5390

Ion Ratio Lower Upper

128 100

129 12.1 11.3 16.9

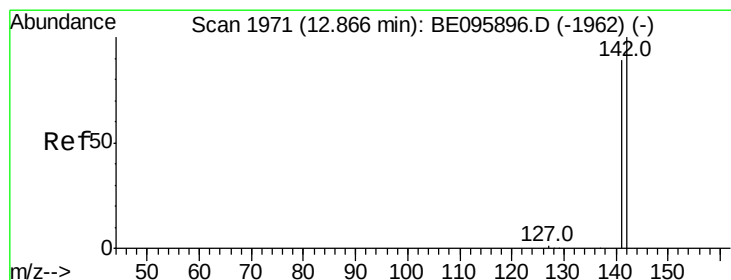
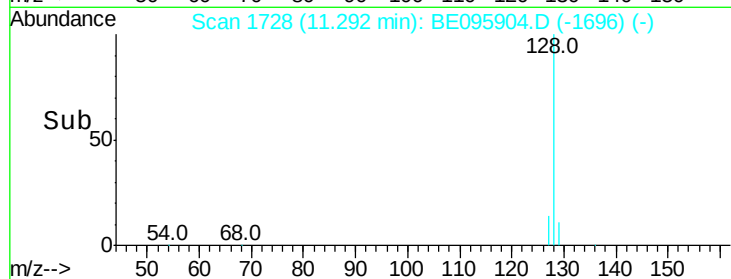
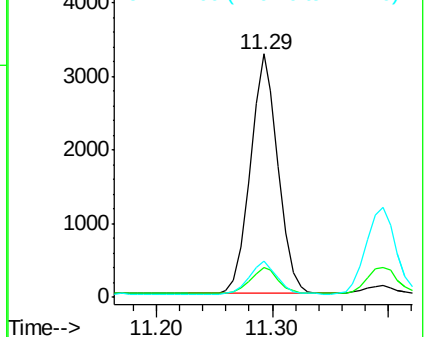
127 15.1 4.0 6.0#



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: 0.375 ng/ul

RT: 12.87 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BE095904.D

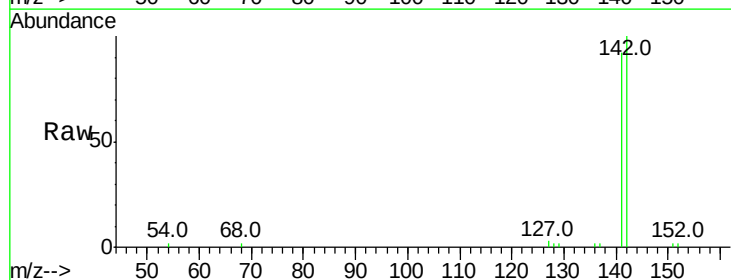
Acq: 29 Mar 2018 7:27

Tgt Ion:142 Resp: 3861

Ion Ratio Lower Upper

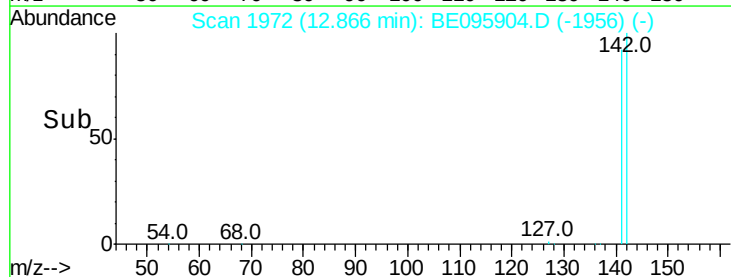
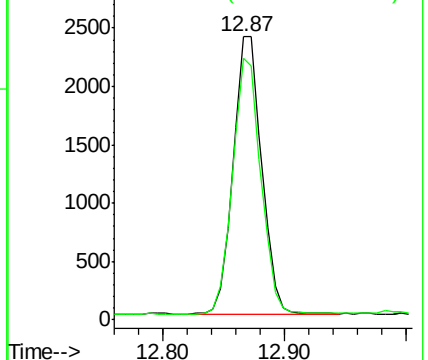
142 100

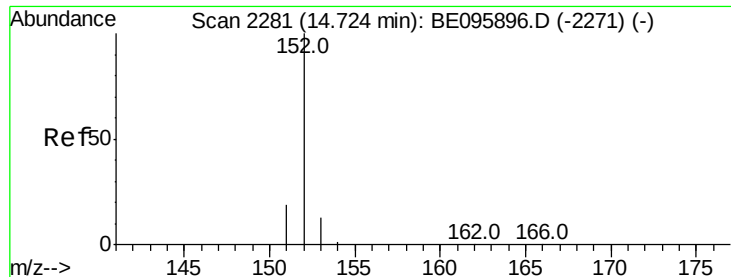
141 91.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.394 ng/ul

RT: 14.73 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BE095904.D

Acq: 29 Mar 2018 7:27

Instrument :

BNA_E

ClientSampled :

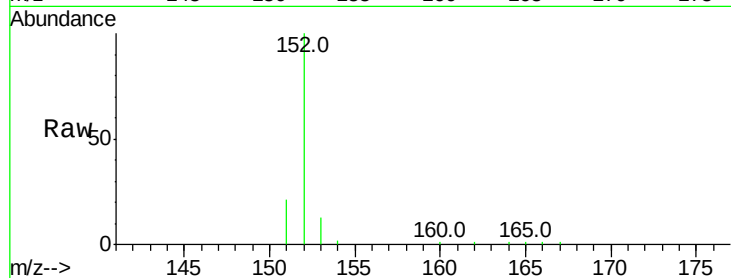
Tot Ion:152 Resp: 6234

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

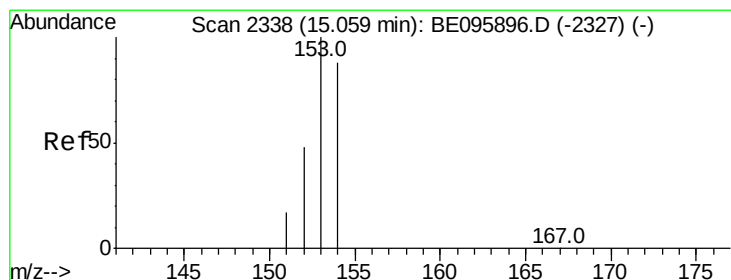
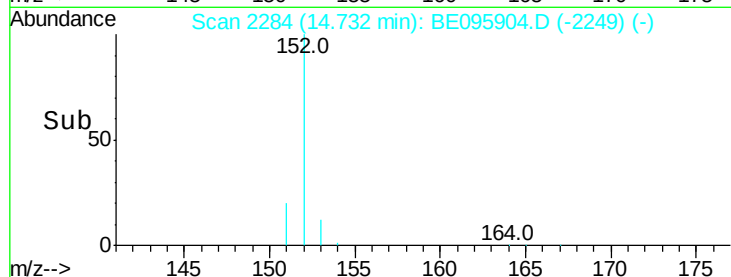
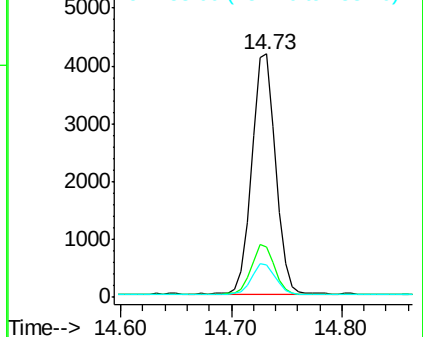
153 13.1 12.8 19.2



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: 0.367 ng/ul

RT: 15.06 min Scan# 2340

Delta R.T. 0.00 min

Lab File: BE095904.D

Acq: 29 Mar 2018 7:27

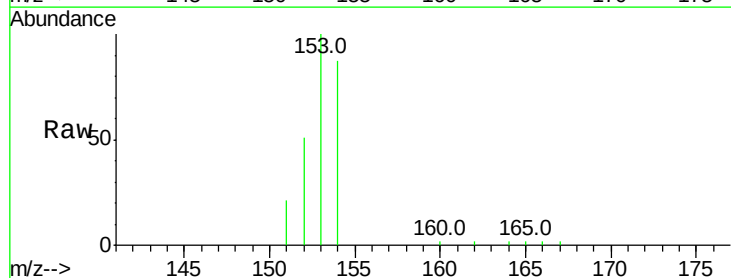
Tgt Ion:153 Resp: 4370

Ion Ratio Lower Upper

153 100

152 50.5 36.0 54.0

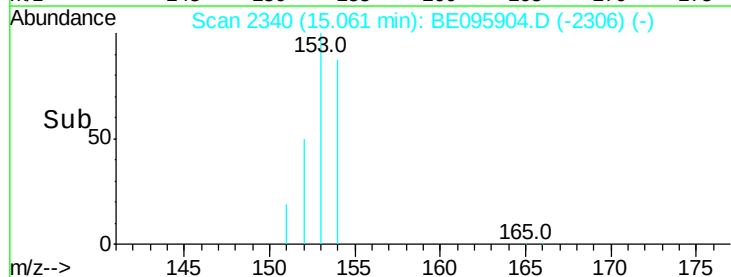
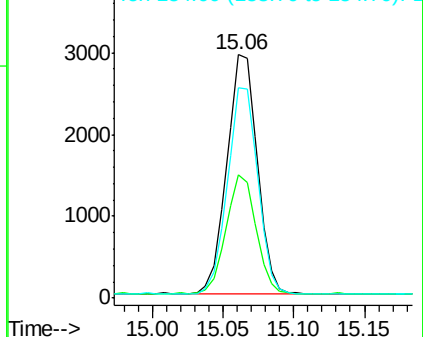
154 86.5 72.0 108.0

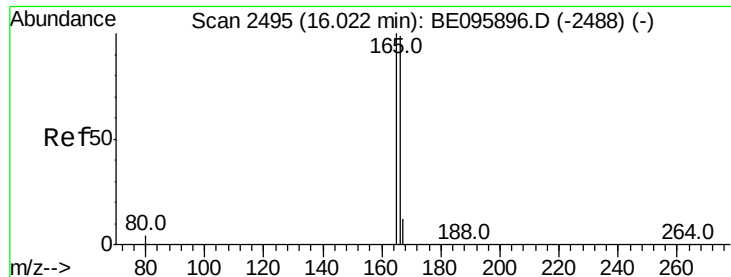


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.375 ng/ul

RT: 16.03 min Scan# 2498

Delta R.T. 0.01 min

Lab File: BE095904.D

Acq: 29 Mar 2018 7:27

Instrument :

BNA_E

ClientSampleId :

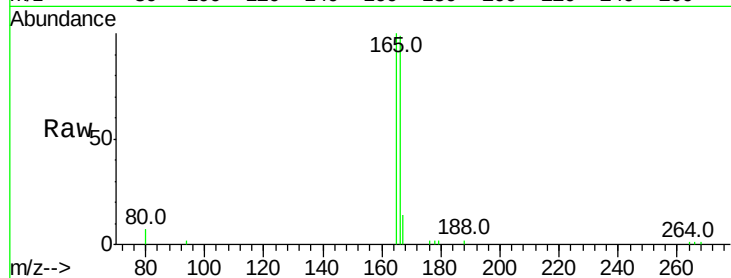
Tot Ion:166 Resp: 4848

Ion Ratio Lower Upper

166 100

165 100.6 73.4 110.2

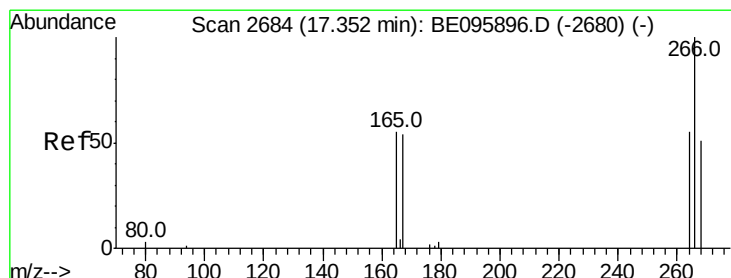
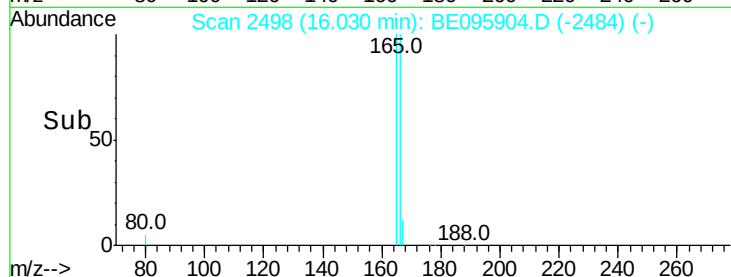
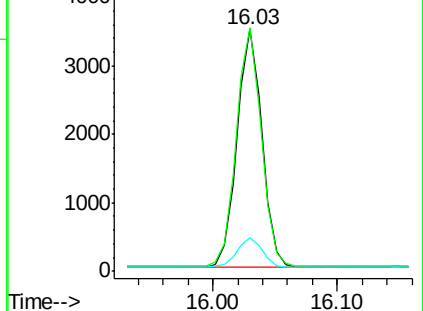
167 13.8 14.6 22.0#



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: 0.443 ng/ul

RT: 17.37 min Scan# 2688

Delta R.T. 0.02 min

Lab File: BE095904.D

Acq: 29 Mar 2018 7:27

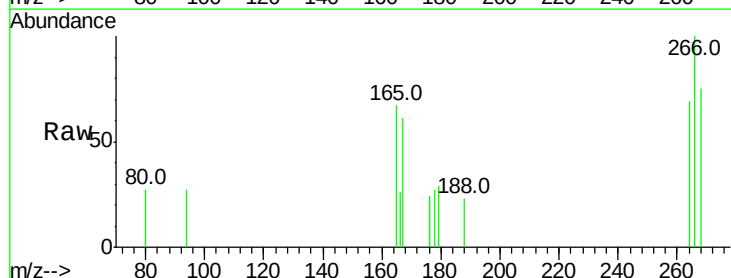
Tgt Ion:266 Resp: 445

Ion Ratio Lower Upper

266 100

264 60.0 47.9 71.9

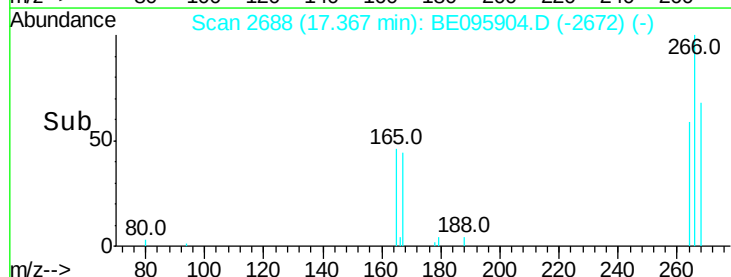
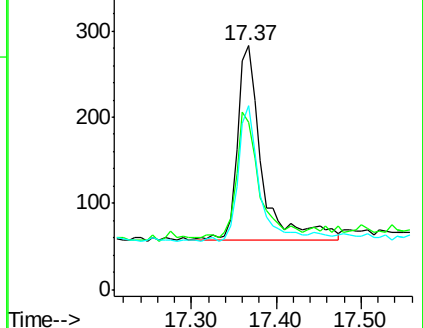
268 61.1 49.8 74.8

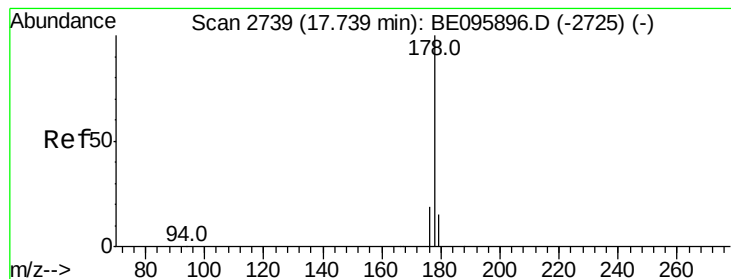


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.354 ng/ul

RT: 17.75 min Scan# 2742

Delta R.T. 0.01 min

Lab File: BE095904.D

Acq: 29 Mar 2018 7:27

Instrument :

BNA_E

ClientSampleId :

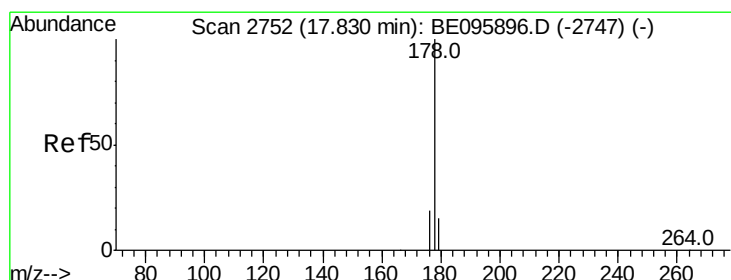
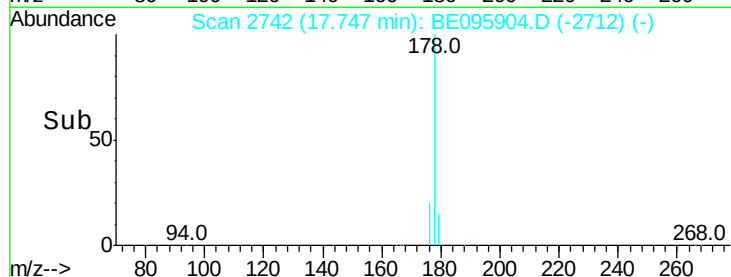
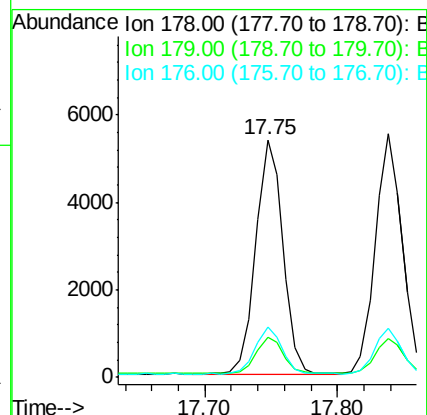
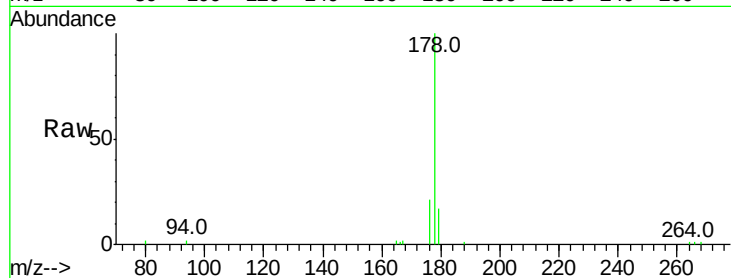
Tot Ion:178 Resp: 7586

Ion Ratio Lower Upper

178 100

179 16.8 18.4 27.6#

176 20.9 13.6 20.4#



#13

Anthracene

Concen: 0.388 ng/ul

RT: 17.84 min Scan# 2755

Delta R.T. 0.01 min

Lab File: BE095904.D

Acq: 29 Mar 2018 7:27

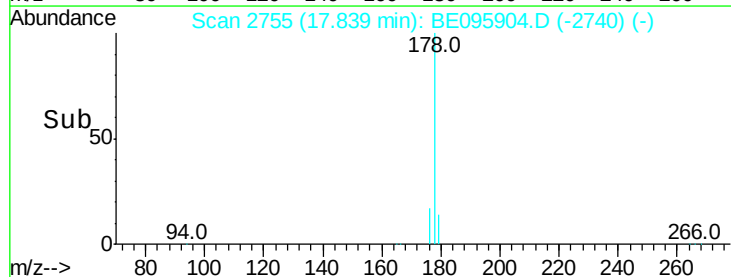
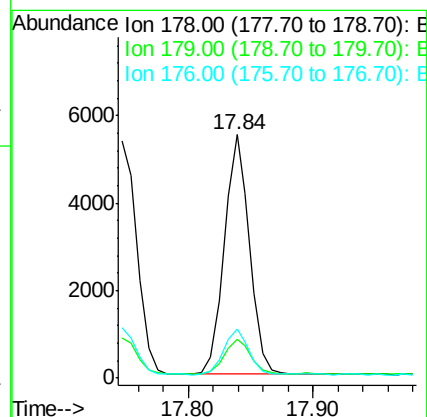
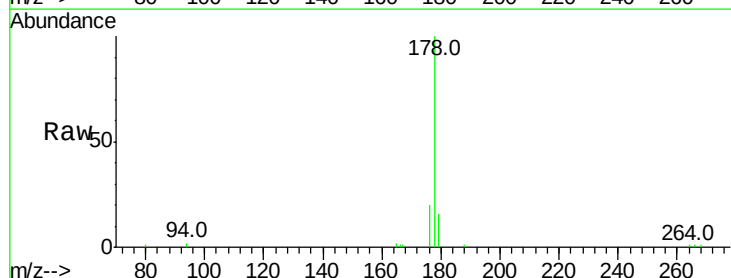
Tgt Ion:178 Resp: 7757

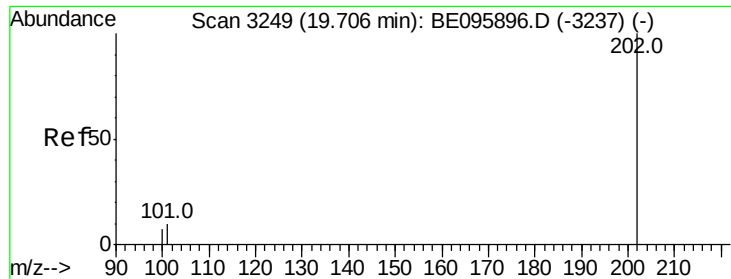
Ion Ratio Lower Upper

178 100

179 15.9 18.1 27.1#

176 20.0 14.7 22.1

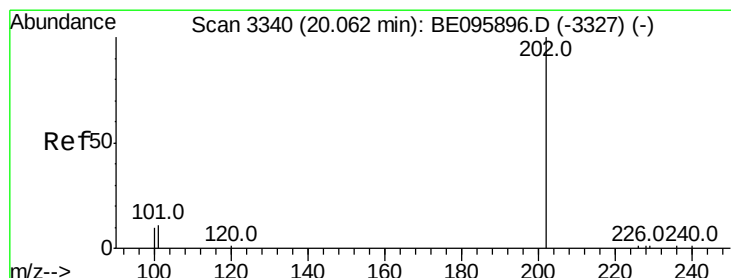
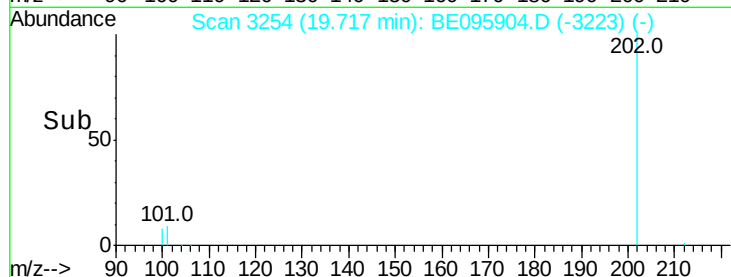
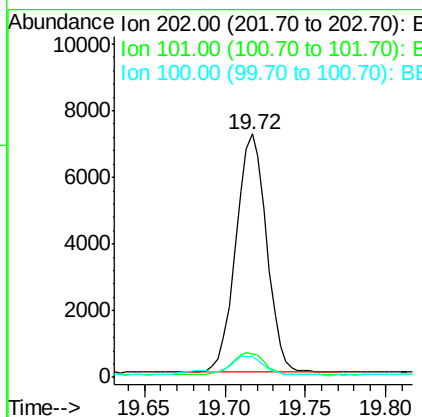
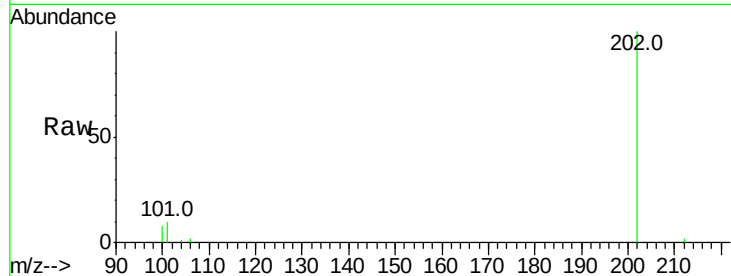




#15
Fluoranthene
 Concen: 0.362 ng/ul
 RT: 19.72 min Scan# 3254
 Delta R.T. 0.01 min
 Lab File: BE095904.D
 Acq: 29 Mar 2018 7:27

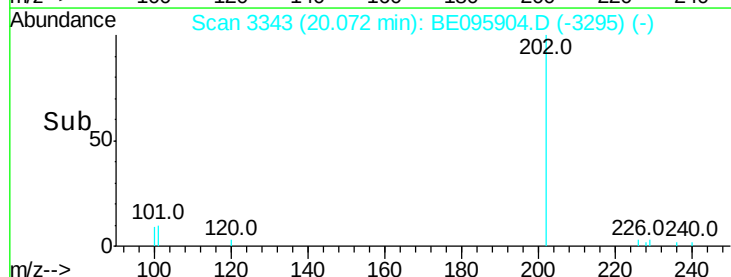
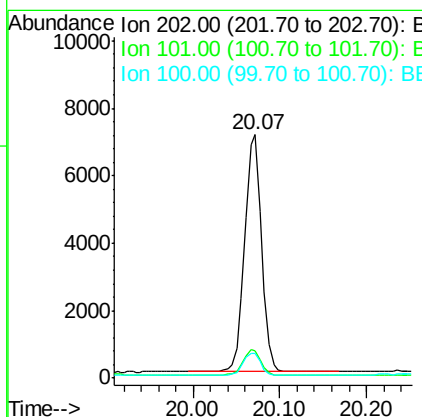
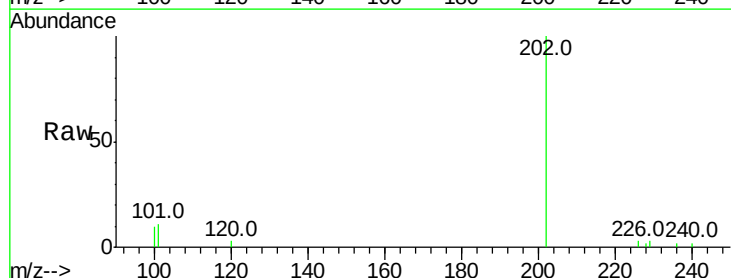
Instrument :
 BNA_E
 ClientSampleId :

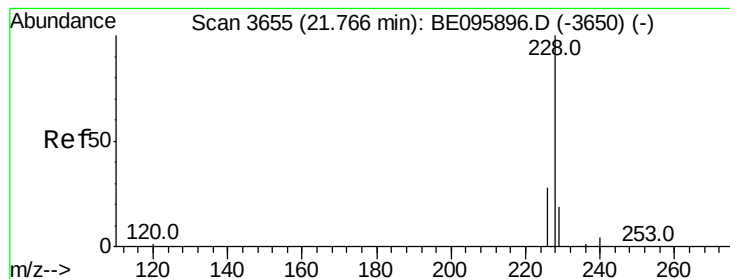
Tot Ion:202 Resp: 9393
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.3
 100 8.3 0.0 39.5



#17
Pyrene
 Concen: 0.403 ng/ul
 RT: 20.07 min Scan# 3343
 Delta R.T. 0.01 min
 Lab File: BE095904.D
 Acq: 29 Mar 2018 7:27

Tgt Ion:202 Resp: 10693
 Ion Ratio Lower Upper
 202 100
 101 11.1 18.2 27.4#
 100 10.1 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.394 ng/ul

RT: 21.78 min Scan# 3658

Delta R.T. 0.01 min

Lab File: BE095904.D

Acq: 29 Mar 2018 7:27

Instrument :

BNA_E

ClientSampleId :

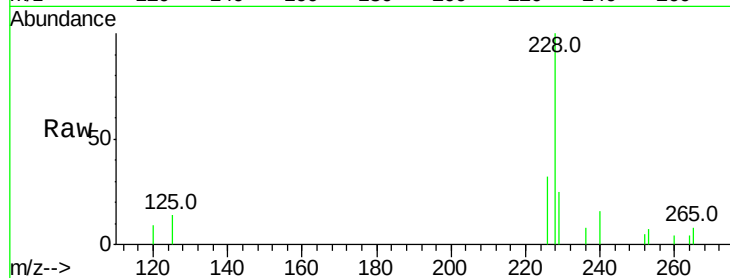
Tot Ion:228 Resp: 8878

Ion Ratio Lower Upper

228 100

229 25.1 22.8 34.2

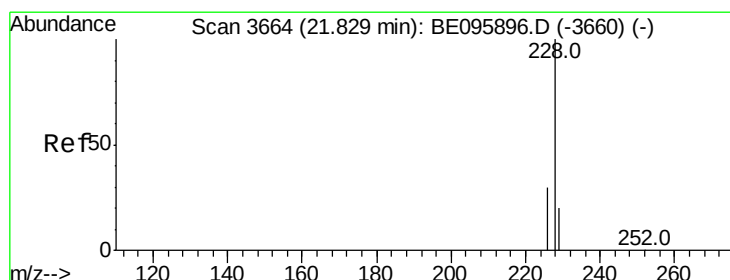
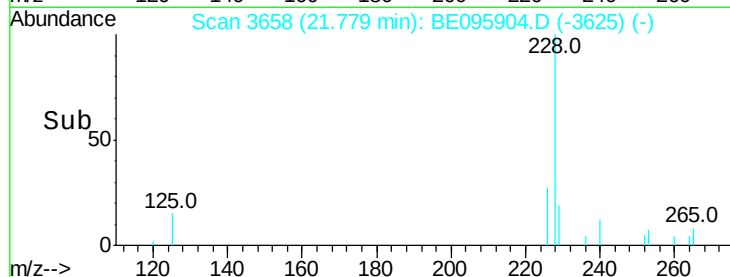
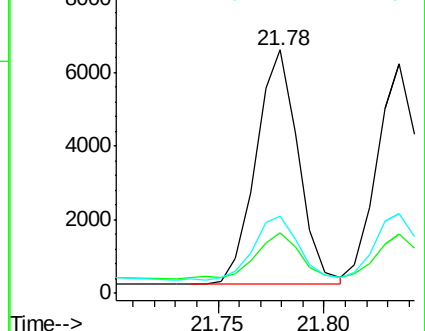
226 31.8 17.0 25.6#



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: 0.363 ng/ul

RT: 21.84 min Scan# 3666

Delta R.T. 0.01 min

Lab File: BE095904.D

Acq: 29 Mar 2018 7:27

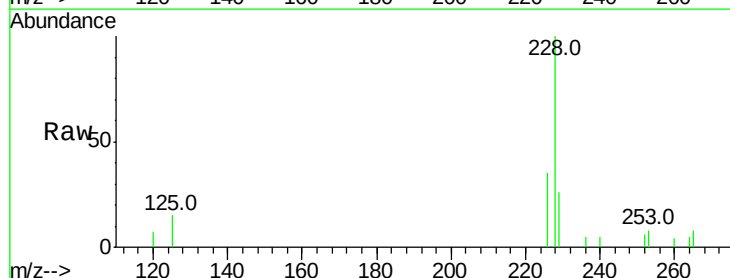
Tgt Ion:228 Resp: 8337

Ion Ratio Lower Upper

228 100

226 34.8 23.4 35.0

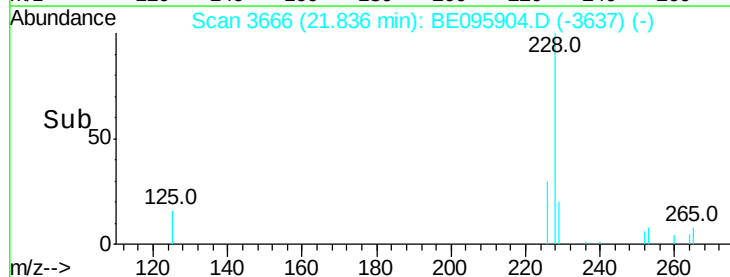
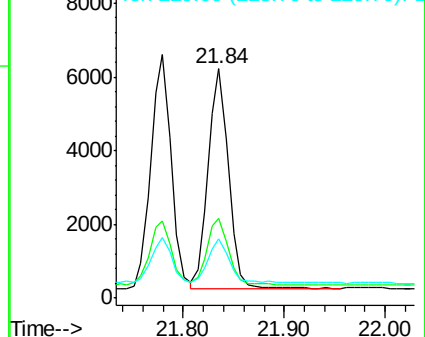
229 25.6 17.7 26.5

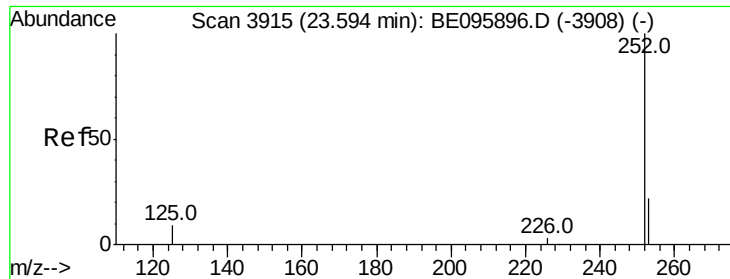


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.342 ng/ul

RT: 23.61 min Scan# 3918

Delta R.T. 0.01 min

Lab File: BE095904.D

Acq: 29 Mar 2018 7:27

Instrument :

BNA_E

ClientSampleId :

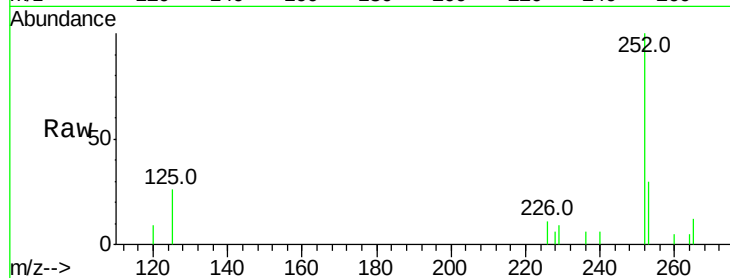
Tot Ion:252 Resp: 8186

Ion Ratio Lower Upper

252 100

253 30.4 0.0 64.2

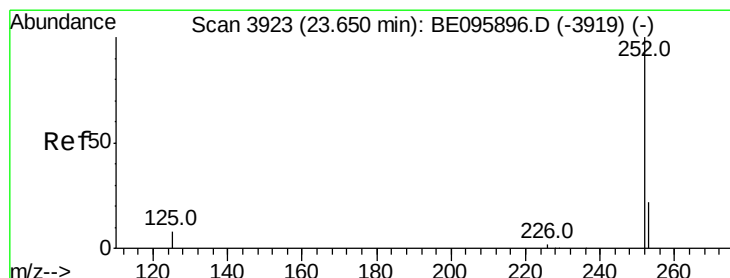
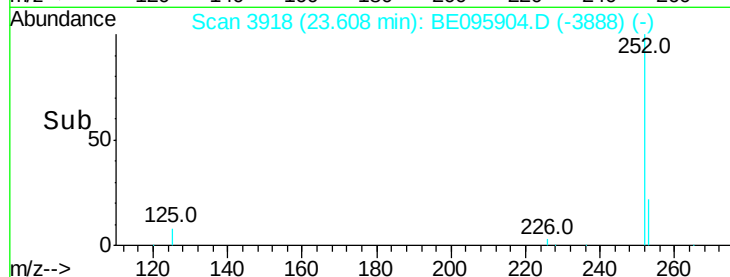
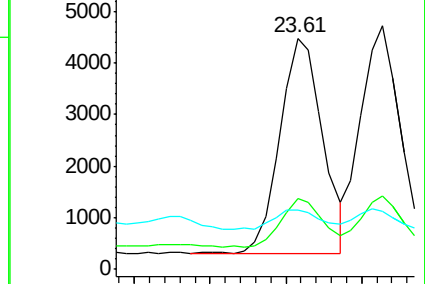
125 25.6 0.0 35.0



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: 0.355 ng/ul

RT: 23.66 min Scan# 3926

Delta R.T. 0.01 min

Lab File: BE095904.D

Acq: 29 Mar 2018 7:27

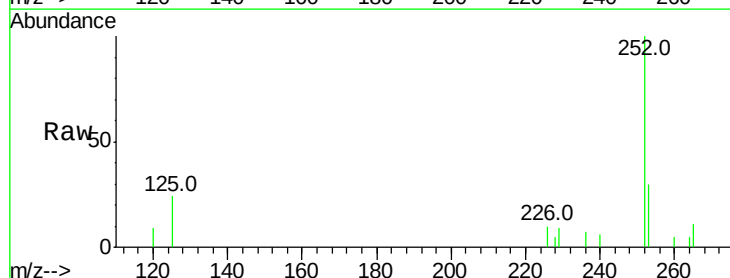
Tgt Ion:252 Resp: 8095

Ion Ratio Lower Upper

252 100

253 30.1 24.5 36.7

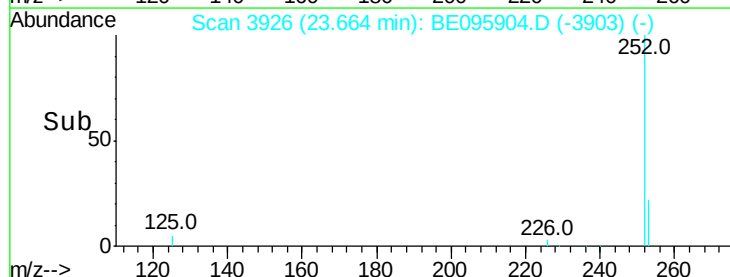
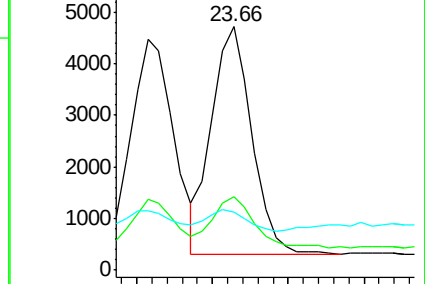
125 24.0 13.7 20.5#

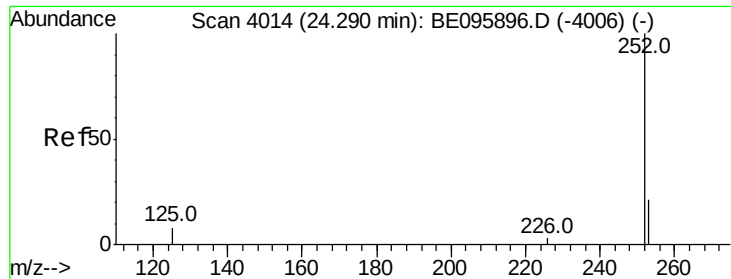


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.363 ng/ul

RT: 24.31 min Scan# 4018

Delta R.T. 0.02 min

Lab File: BE095904.D

Acq: 29 Mar 2018 7:27

Instrument :

BNA_E

ClientSampleId :

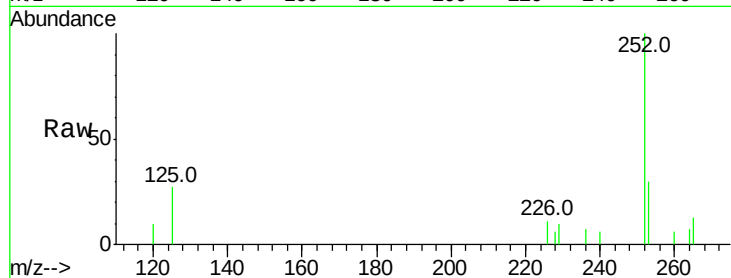
Tot Ion:252 Resp: 7941

Ion Ratio Lower Upper

252 100

253 29.7 28.5 42.7

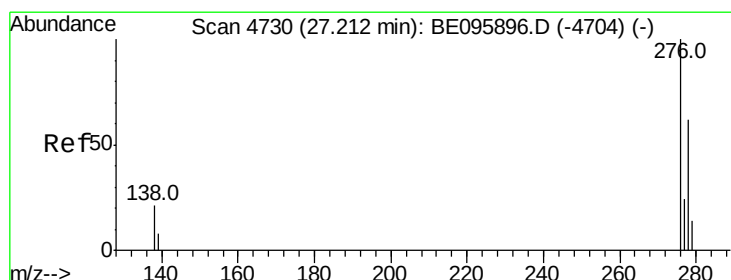
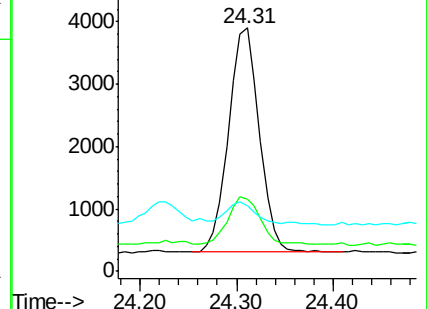
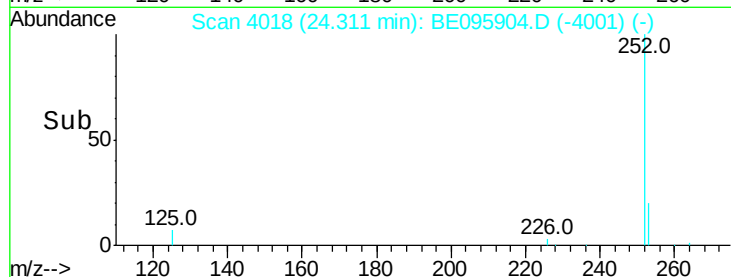
125 27.0 18.1 27.1



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: 0.379 ng/ul

RT: 27.24 min Scan# 4739

Delta R.T. 0.03 min

Lab File: BE095904.D

Acq: 29 Mar 2018 7:27

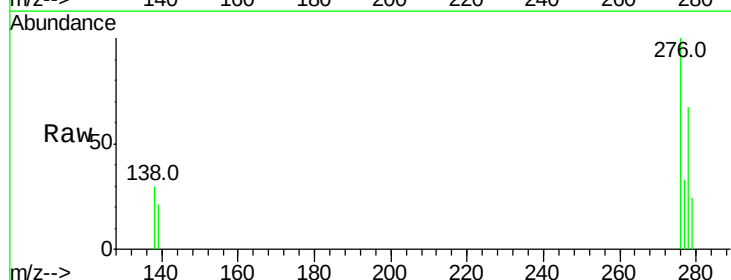
Tgt Ion:276 Resp: 9207

Ion Ratio Lower Upper

276 100

138 23.5 28.0 42.0#

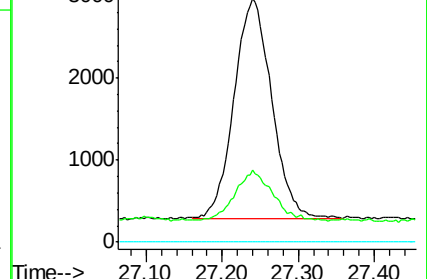
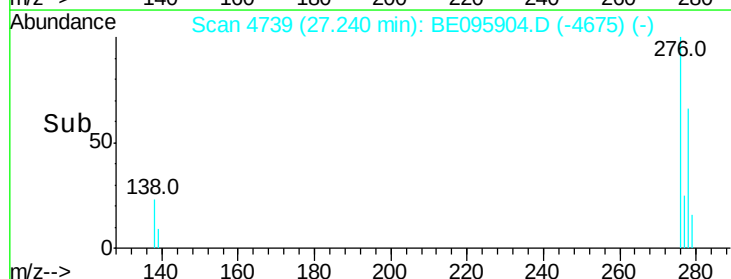
227 0.0 8.0 12.0#

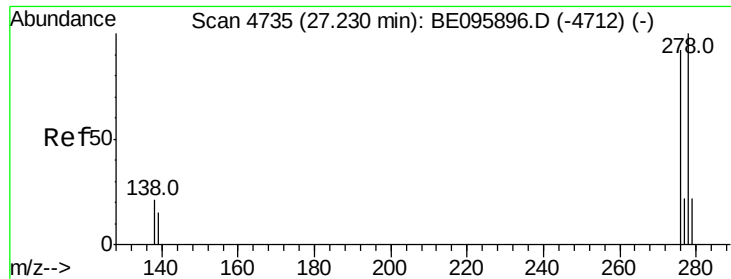


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

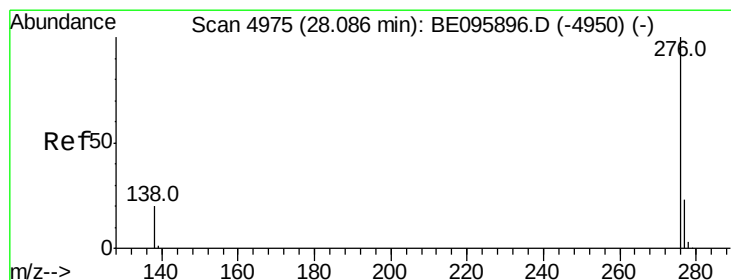
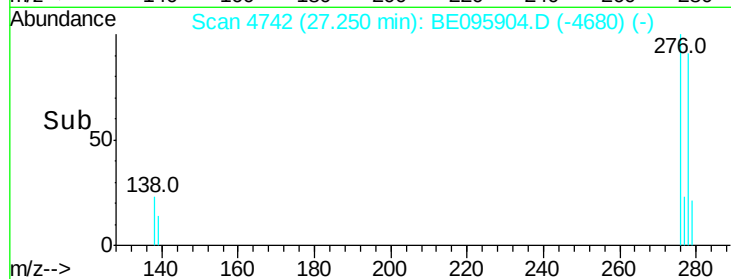
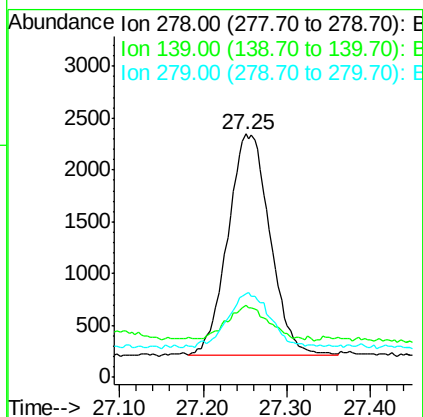
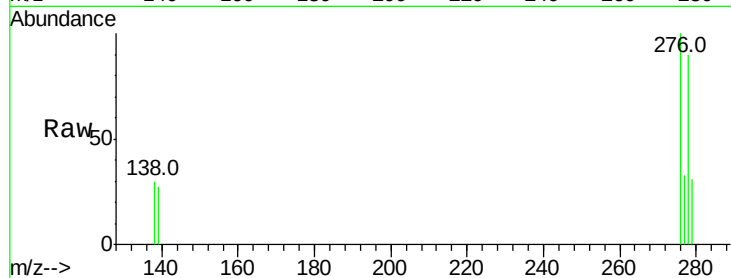




#25
Dibenzo(a,h)anthracene
Concen: 0.382 ng/ul
RT: 27.25 min Scan# 4742
Delta R.T. 0.02 min
Lab File: BE095904.D
Acq: 29 Mar 2018 7:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 7405
Ion Ratio Lower Upper
278 100
139 29.7 17.4 26.0#
279 34.1 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.357 ng/ul
RT: 28.12 min Scan# 4985
Delta R.T. 0.03 min
Lab File: BE095904.D
Acq: 29 Mar 2018 7:27

Tgt Ion:276 Resp: 7450
Ion Ratio Lower Upper
276 100
138 28.4 21.8 32.8
277 32.5 20.5 30.7#

