

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020218\
 Data File : BE095401.D
 Acq On : 2 Feb 2018 17:36
 Operator : SJ/JU
 Sample : J1243-06DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 03 04:32:31 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 03 04:31:32 2018
 Response via : Initial Calibration

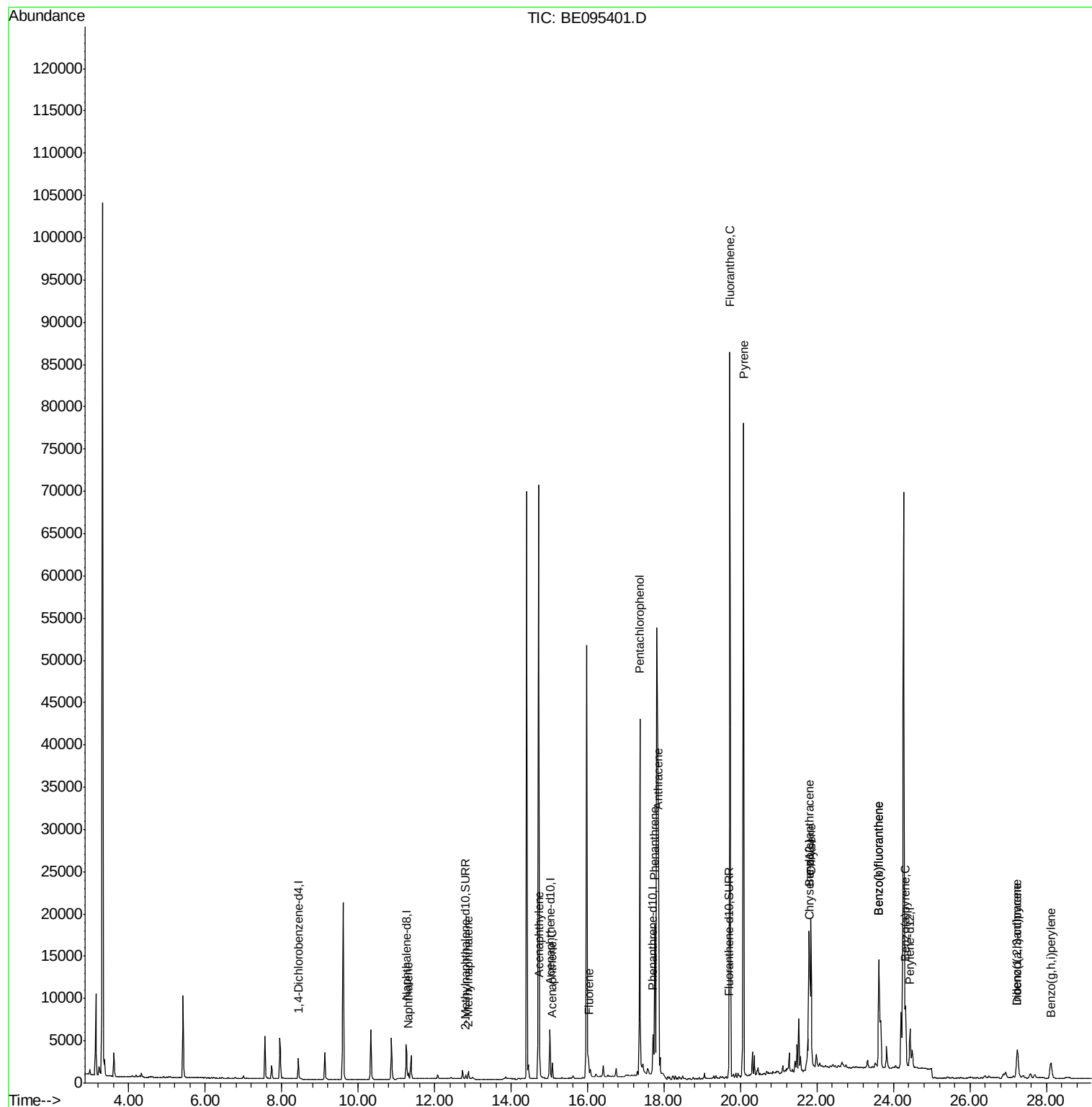
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	1810	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	5263	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	3156	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	7022	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	7261	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	7375	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	569	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	1547	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	874	0.059	ng/ul#	76
5) 2-Methylnaphthalene	12.89	142	728	0.074	ng/ul	99
7) Acenaphthylene	14.74	152	3188	0.210	ng/ul	99
8) Acenaphthene	15.08	153	1069	0.091	ng/ul#	95
9) Fluorene	16.02	166	1631	0.134	ng/ul	85
11) Pentachlorophenol	17.36	266	25436	18.702	ng/ul	97
12) Phenanthrene	17.75	178	20389	0.863	ng/ul#	90
13) Anthracene	17.85	178	30455	1.409	ng/ul#	92
15) Fluoranthene	19.72	202	95108	3.110	ng/ul	82
17) Pyrene	20.08	202	86140	3.535	ng/ul#	77
18) Benzo(a)anthracene	21.79	228	19039	0.839	ng/ul#	88
19) Chrysene	21.84	228	19705	0.836	ng/ul	95
21) Benzo(b)fluoranthene	23.62	252	30814	1.184	ng/ul	86
22) Benzo(k)fluoranthene	23.62	252	30814	1.295	ng/ul#	88
23) Benzo(a)pyrene	24.31	252	10600	0.456	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	27.23	276	6811	0.267	ng/ul#	74
25) Dibenzo(a,h)anthracene	27.23	278	1615	0.077	ng/ul#	76
26) Benzo(g,h,i)perylene	28.12	276	5037	0.233	ng/ul	96

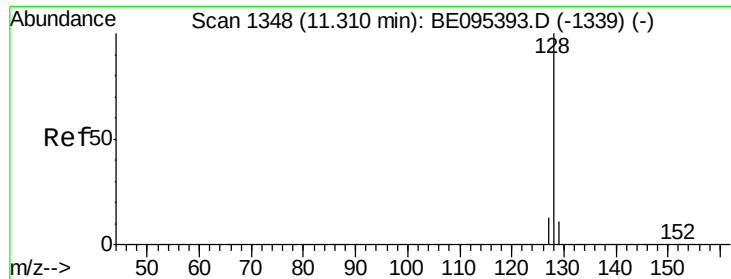
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.059 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE095401.D

Acq: 2 Feb 2018 17:36

Instrument :

BNA_E

ClientSampleId :

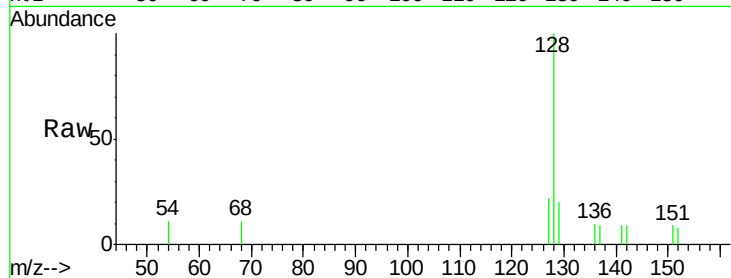
Tot Ion:128 Resp: 874

Ion Ratio Lower Upper

128 100

129 19.9 11.3 16.9#

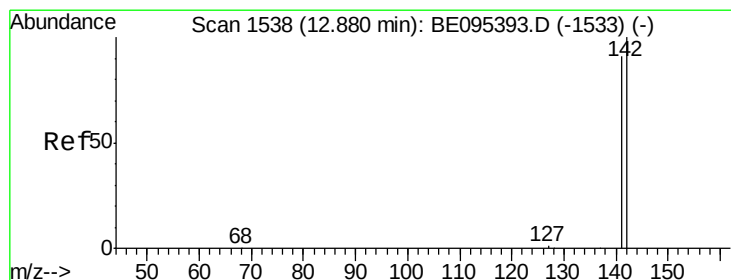
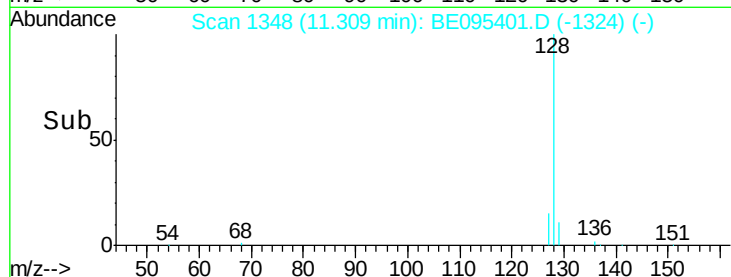
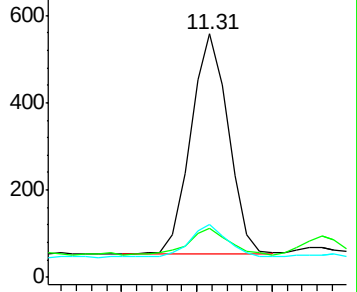
127 21.9 4.0 6.0#



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: 0.074 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BE095401.D

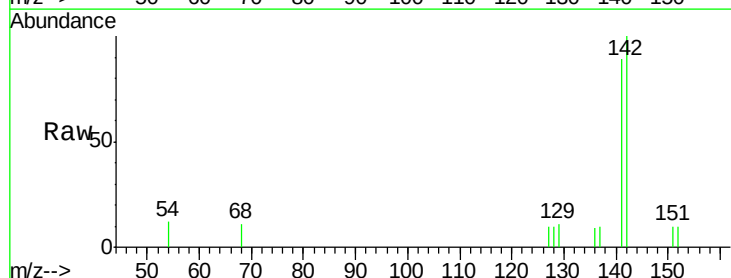
Acq: 2 Feb 2018 17:36

Tgt Ion:142 Resp: 728

Ion Ratio Lower Upper

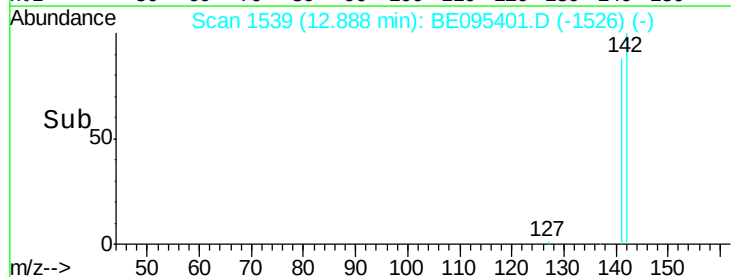
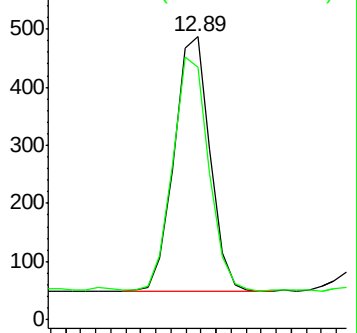
142 100

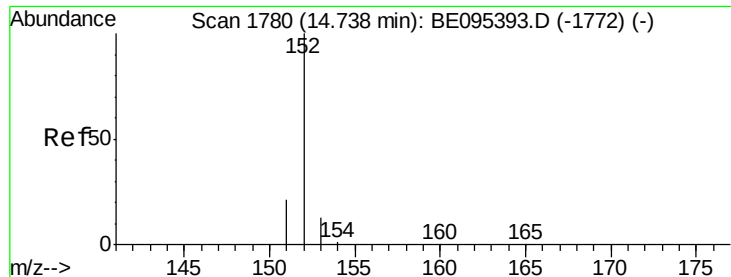
141 91.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.210 ng/ul

RT: 14.74 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BE095401.D

Acq: 2 Feb 2018 17:36

Instrument :

BNA_E

ClientSampleId :

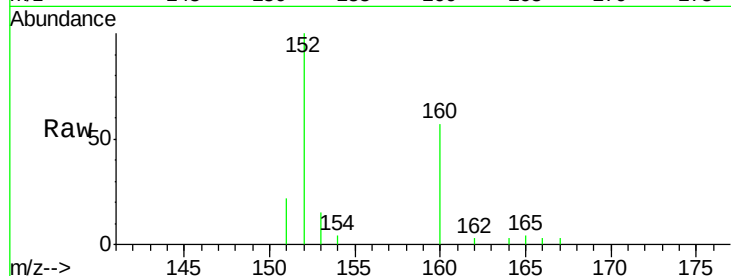
Tot Ion:152 Resp: 3188

Ion Ratio Lower Upper

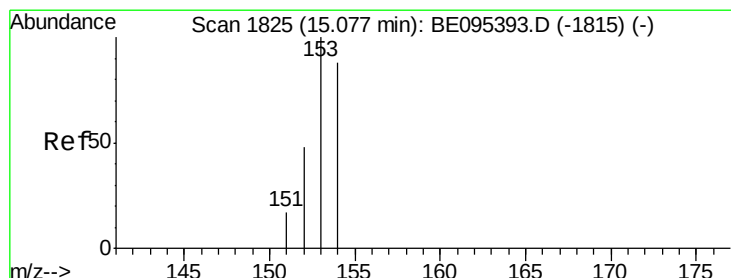
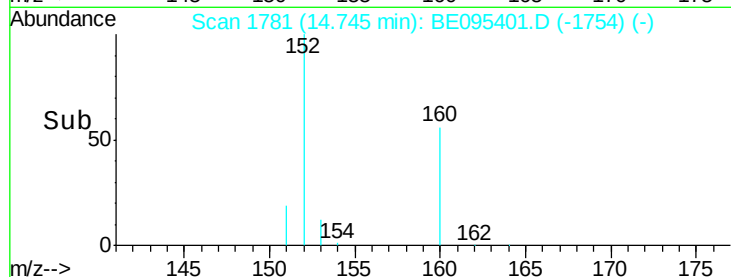
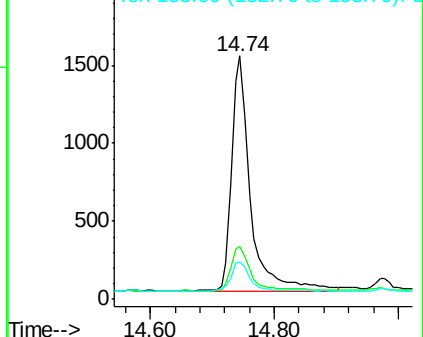
152 100

151 21.8 17.1 25.7

153 15.3 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: 0.091 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095401.D

Acq: 2 Feb 2018 17:36

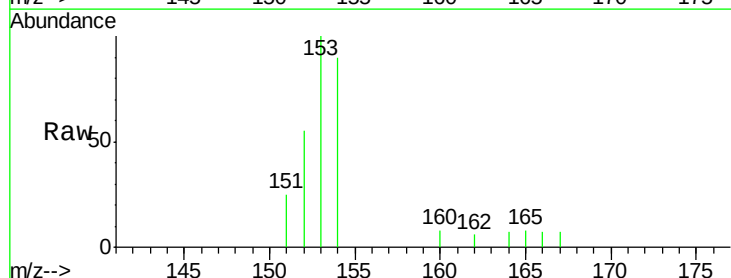
Tgt Ion:153 Resp: 1069

Ion Ratio Lower Upper

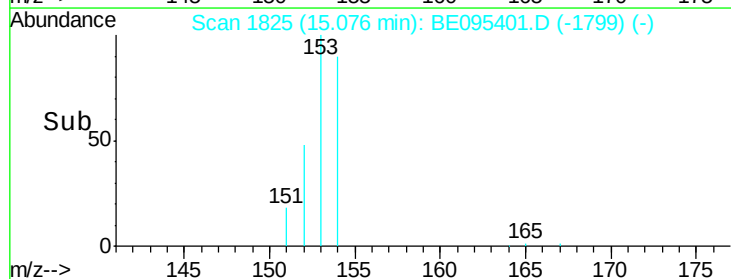
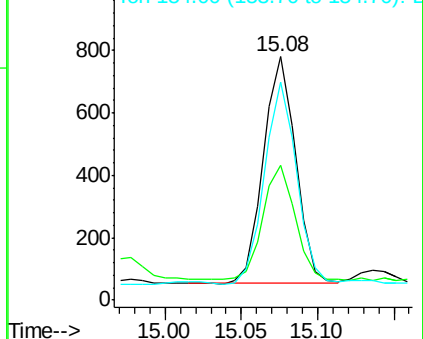
153 100

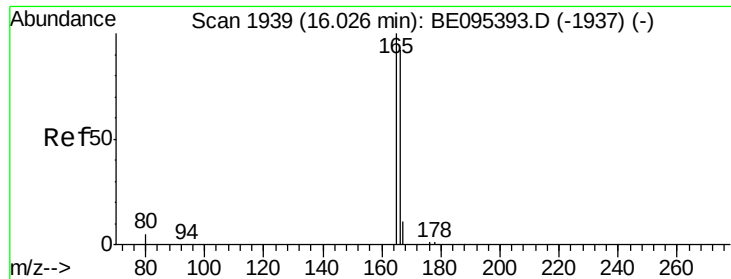
152 55.4 36.0 54.0#

154 89.8 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



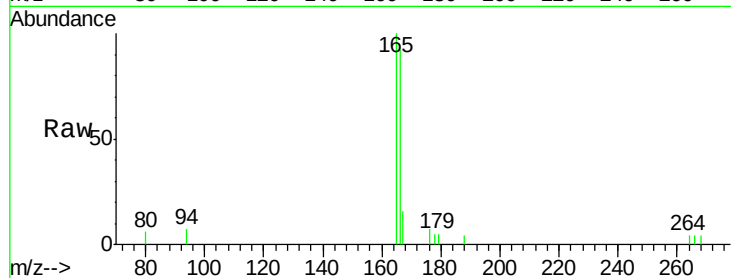


#9
Fluorene
 Concen: 0.134 ng/ul
 RT: 16.02 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: BE095401.D
 Acq: 2 Feb 2018 17:36

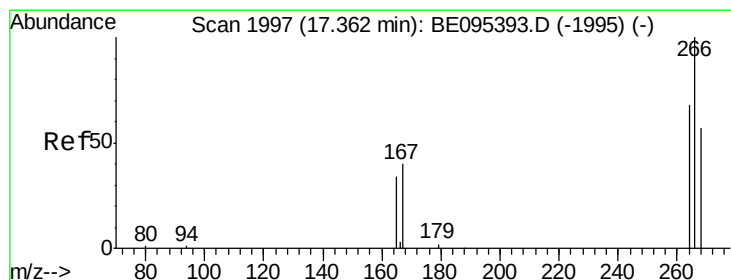
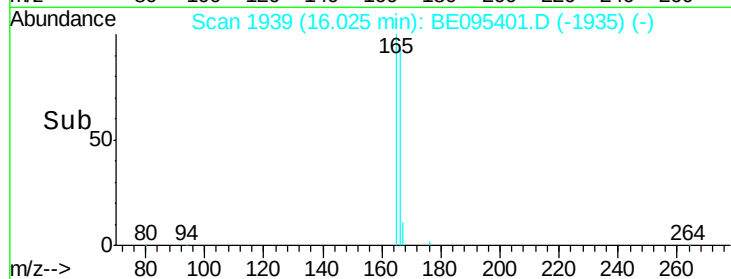
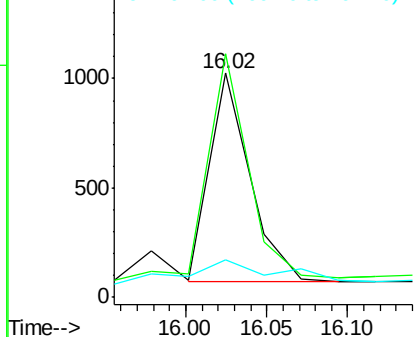
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:166 Resp: 1631

Ion	Ratio	Lower	Upper
166	100		
165	108.7	73.4	110.2
167	17.0	14.6	22.0



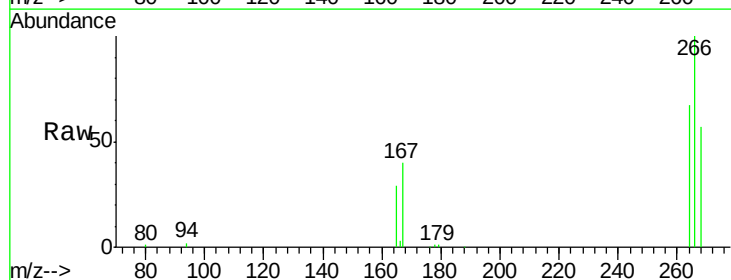
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E



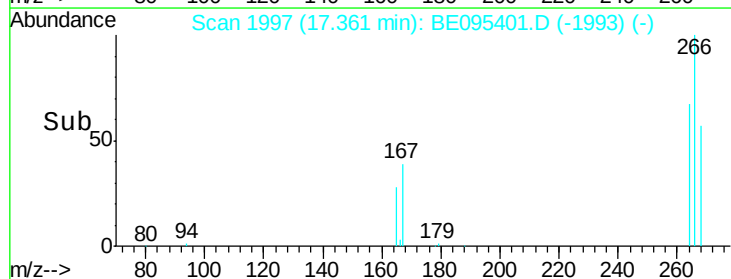
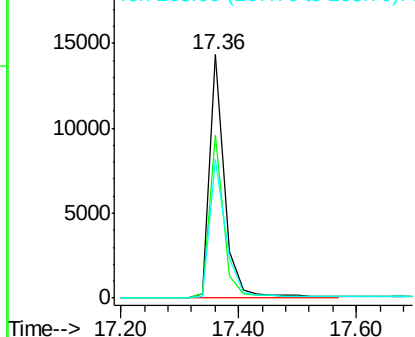
#11
Pentachlorophenol
 Concen: 18.702 ng/ul
 RT: 17.36 min Scan# 1997
 Delta R.T. -0.00 min
 Lab File: BE095401.D
 Acq: 2 Feb 2018 17:36

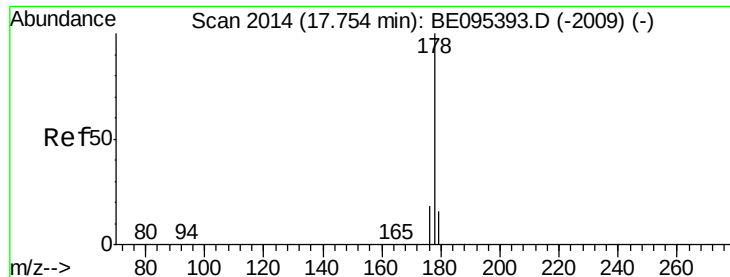
Tgt Ion:266 Resp: 25436

Ion	Ratio	Lower	Upper
266	100		
264	63.9	47.9	71.9
268	61.6	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: 0.863 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE095401.D

Acq: 2 Feb 2018 17:36

Instrument :

BNA_E

ClientSampleId :

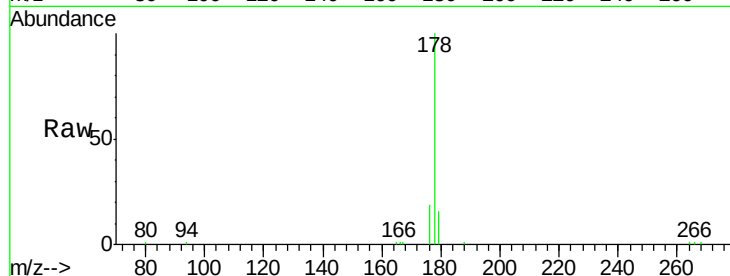
Tot Ion:178 Resp: 20389

Ion Ratio Lower Upper

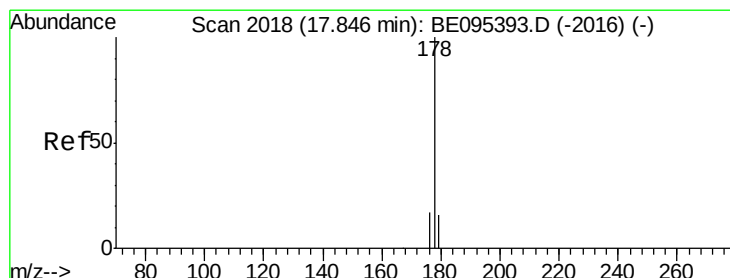
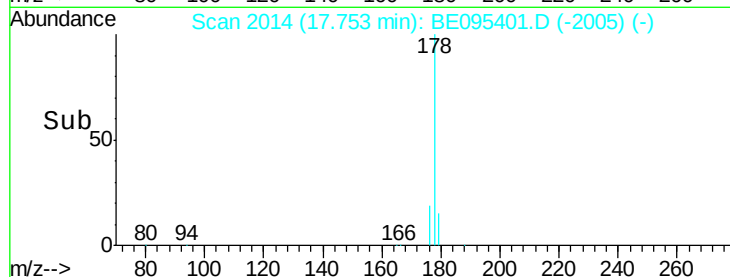
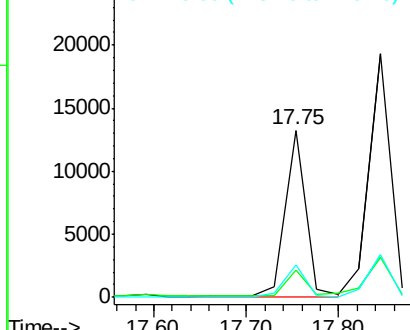
178 100

179 16.0 18.4 27.6#

176 19.2 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: 1.409 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BE095401.D

Acq: 2 Feb 2018 17:36

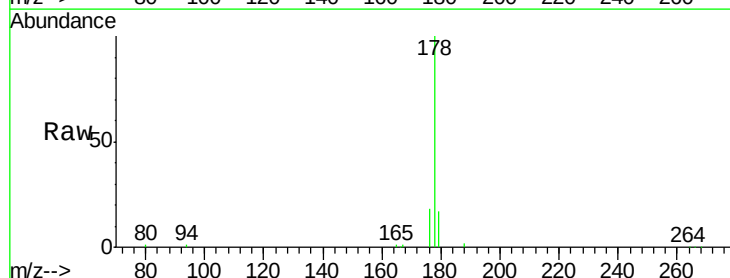
Tgt Ion:178 Resp: 30455

Ion Ratio Lower Upper

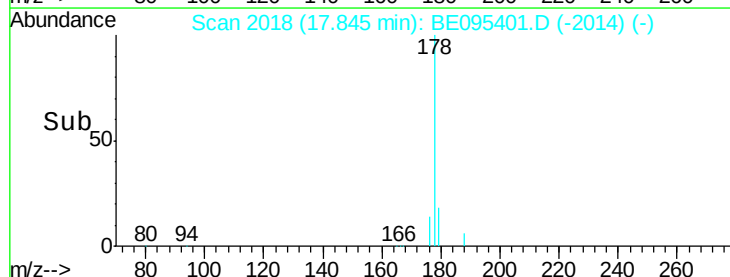
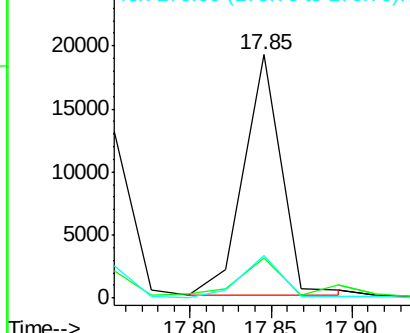
178 100

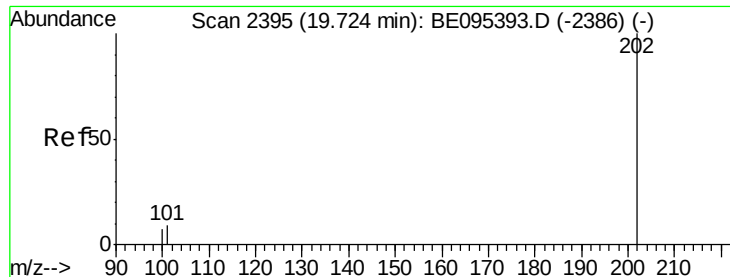
179 16.6 18.1 27.1#

176 17.5 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: 3.110 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BE095401.D

Acq: 2 Feb 2018 17:36

Instrument :

BNA_E

ClientSampleId :

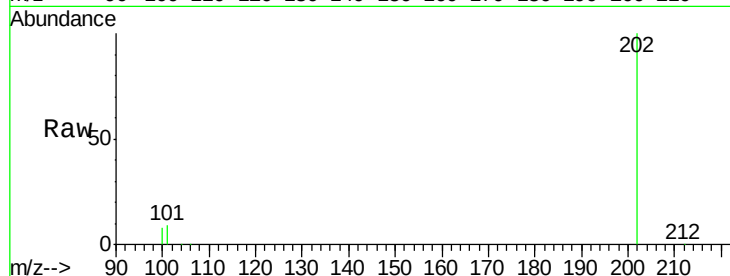
Tot Ion:202 Resp: 95108

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.3

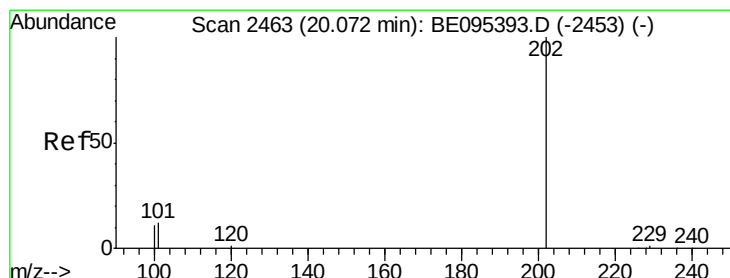
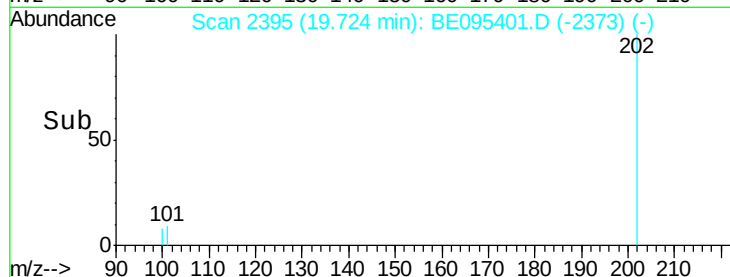
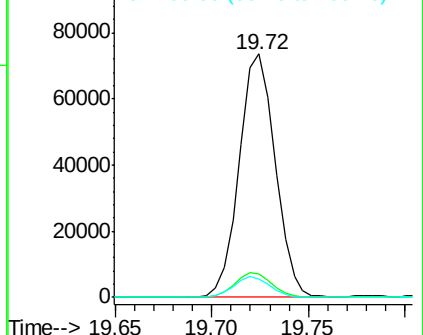
100 7.7 0.0 39.5



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: 3.535 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. 0.01 min

Lab File: BE095401.D

Acq: 2 Feb 2018 17:36

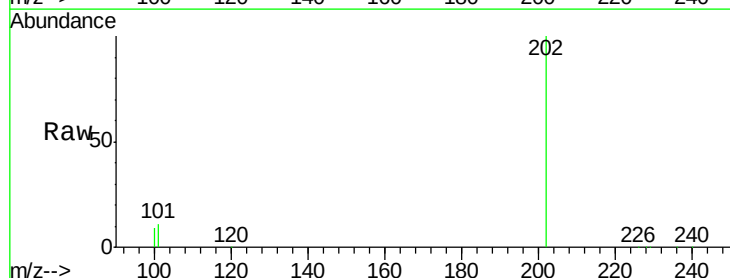
Tgt Ion:202 Resp: 86140

Ion Ratio Lower Upper

202 100

101 11.0 18.2 27.4#

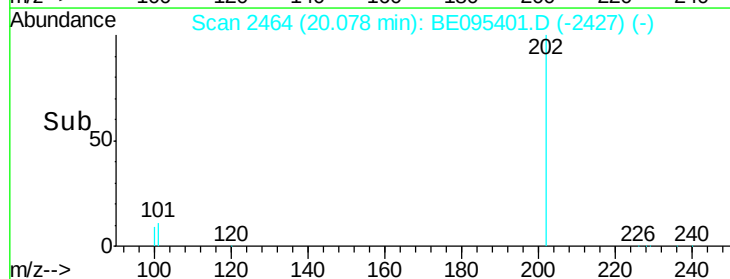
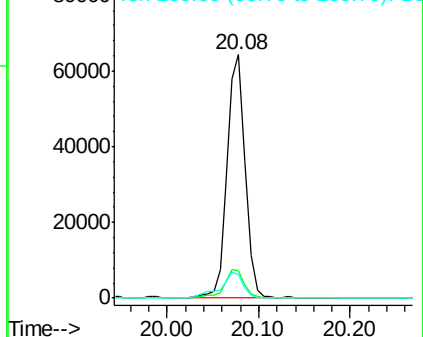
100 9.5 15.6 23.4#

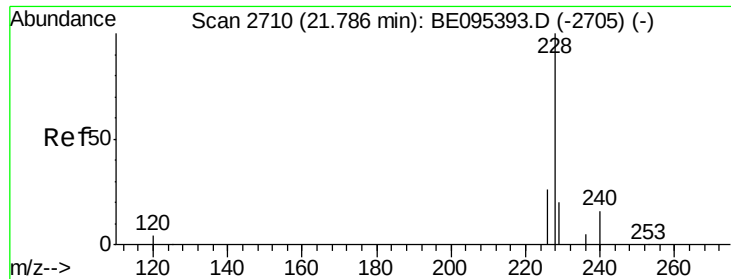


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

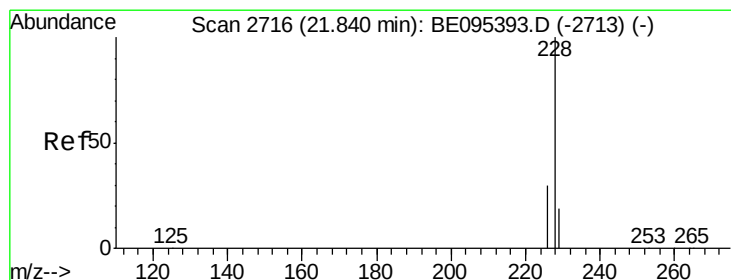
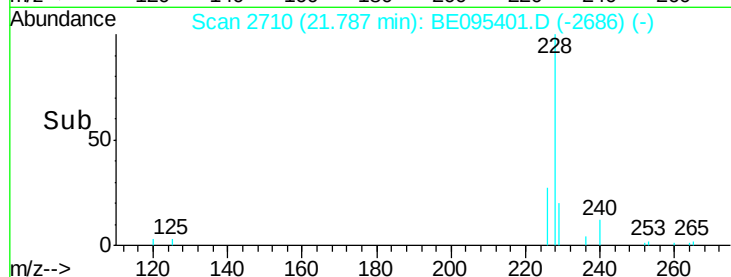
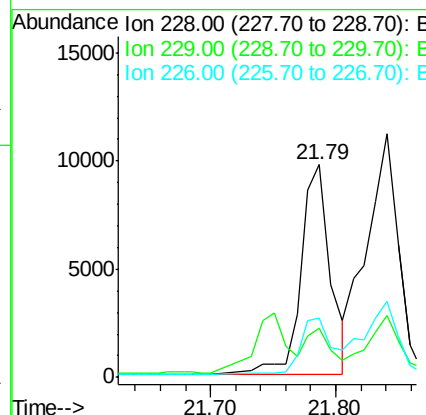
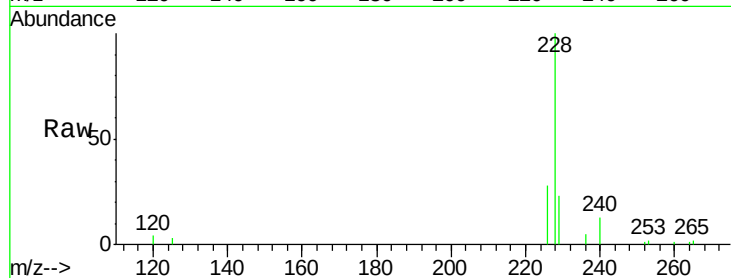




#18
Benzo(a)anthracene
Concen: 0.839 ng/ul
RT: 21.79 min Scan# 2710
Delta R.T. 0.00 min
Lab File: BE095401.D
Acq: 2 Feb 2018 17:36

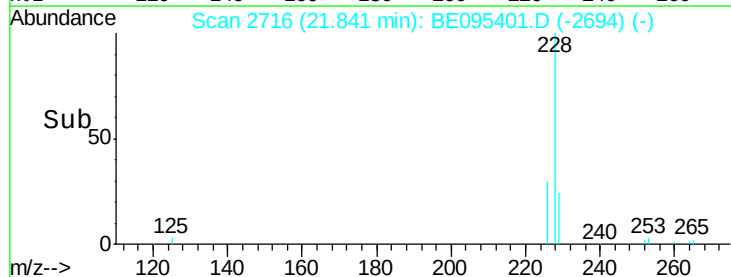
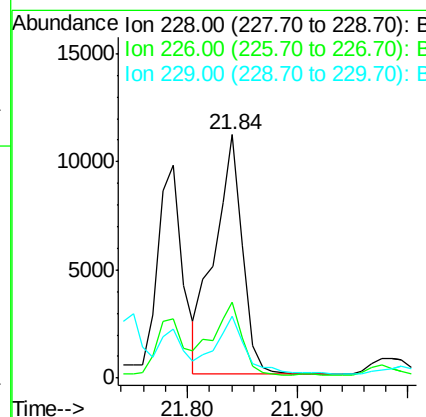
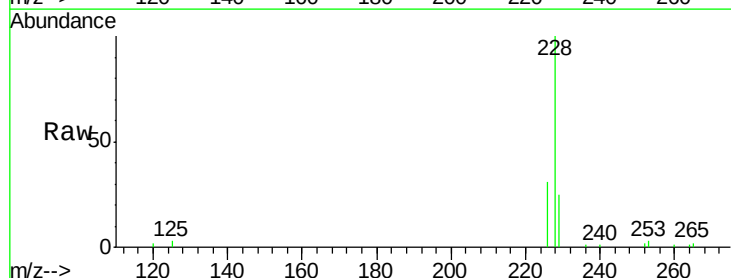
Instrument :
BNA_E
ClientSampleId :

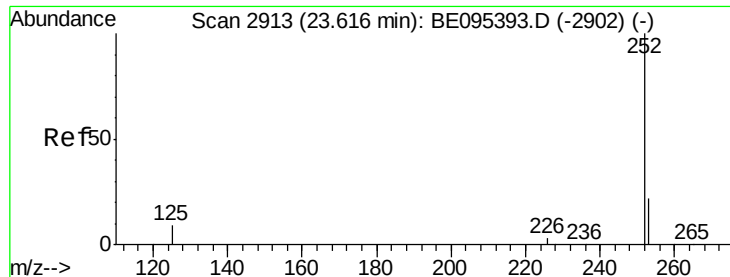
Tot Ion:228 Resp: 19039
Ion Ratio Lower Upper
228 100
229 23.0 22.8 34.2
226 27.9 17.0 25.6#



#19
Chrysene
Concen: 0.836 ng/ul
RT: 21.84 min Scan# 2716
Delta R.T. 0.00 min
Lab File: BE095401.D
Acq: 2 Feb 2018 17:36

Tgt Ion:228 Resp: 19705
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.0
229 25.4 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 1.184 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BE095401.D

Acq: 2 Feb 2018 17:36

Instrument :

BNA_E

ClientSampleId :

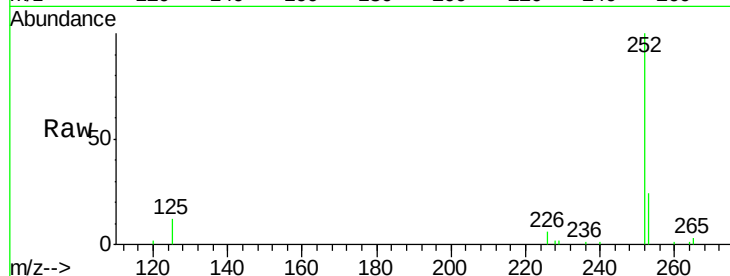
Tot Ion:252 Resp: 30814

Ion Ratio Lower Upper

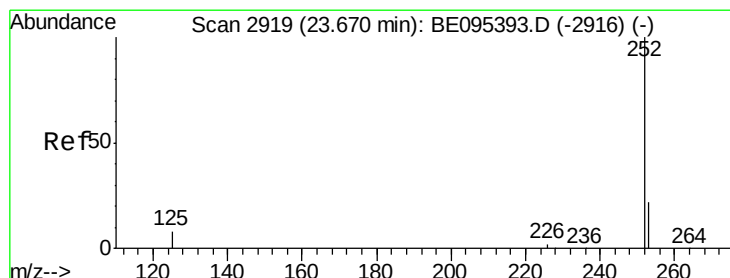
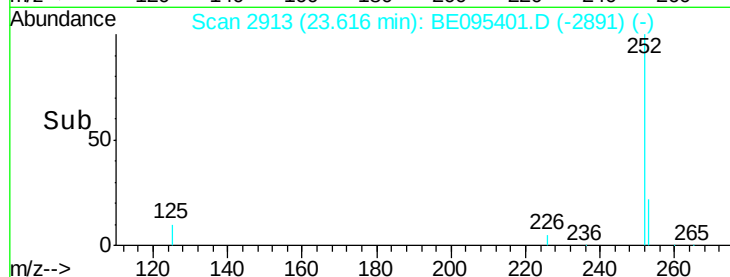
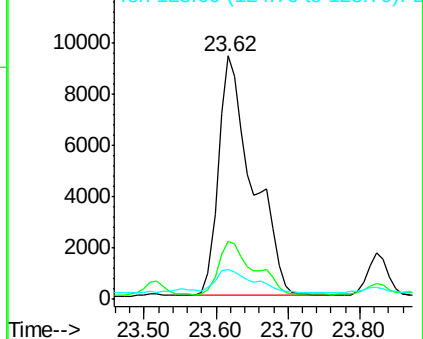
252 100

253 23.9 0.0 64.2

125 12.4 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: 1.295 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. -0.05 min

Lab File: BE095401.D

Acq: 2 Feb 2018 17:36

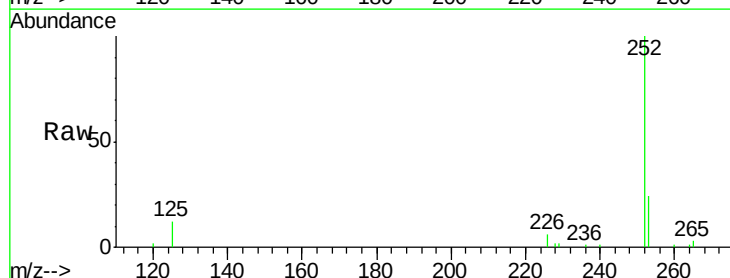
Tgt Ion:252 Resp: 30814

Ion Ratio Lower Upper

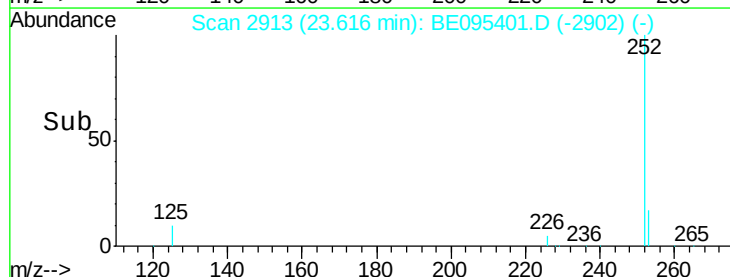
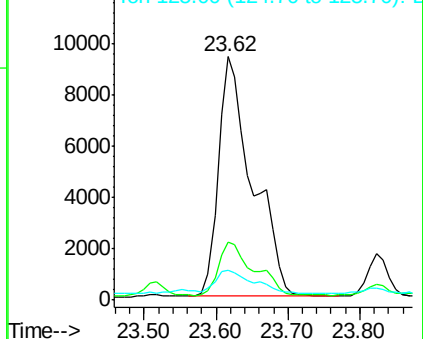
252 100

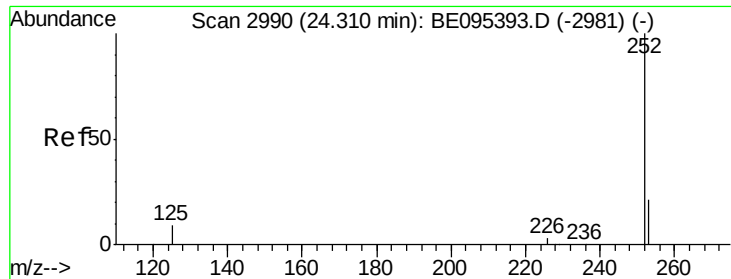
253 23.9 24.5 36.7#

125 12.4 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: 0.456 ng/ul

RT: 24.31 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BE095401.D

Acq: 2 Feb 2018 17:36

Instrument :

BNA_E

ClientSampleId :

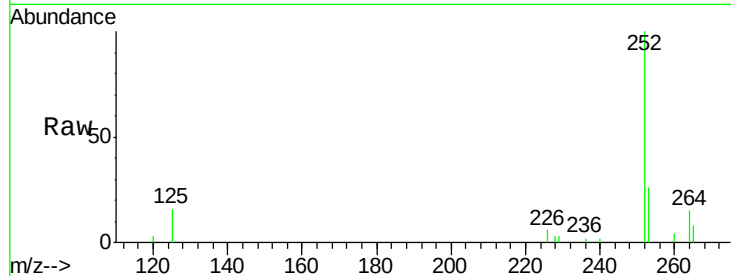
Tot Ion:252 Resp: 10600

Ion Ratio Lower Upper

252 100

253 26.1 28.5 42.7#

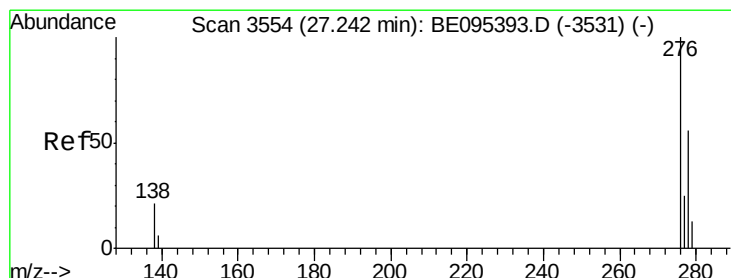
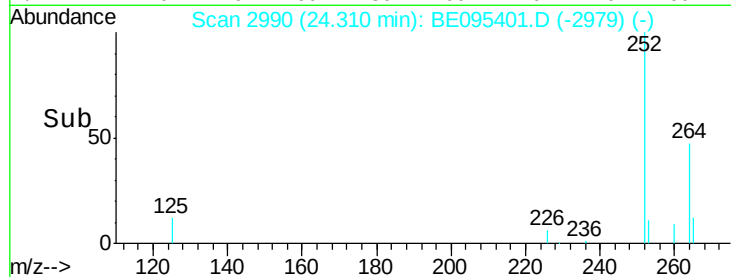
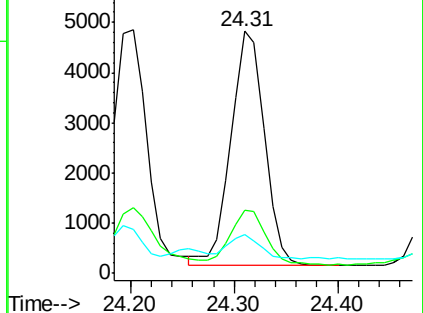
125 16.1 18.1 27.1#



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: 0.267 ng/ul

RT: 27.23 min Scan# 3552

Delta R.T. -0.01 min

Lab File: BE095401.D

Acq: 2 Feb 2018 17:36

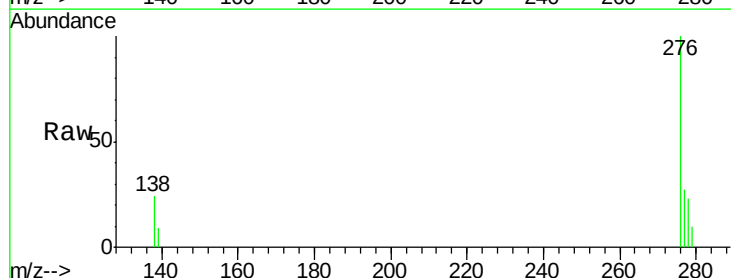
Tgt Ion:276 Resp: 6811

Ion Ratio Lower Upper

276 100

138 20.2 28.0 42.0#

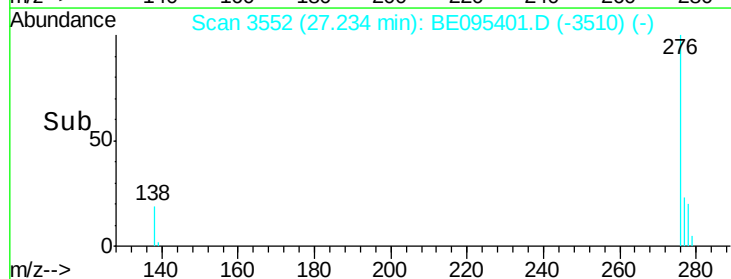
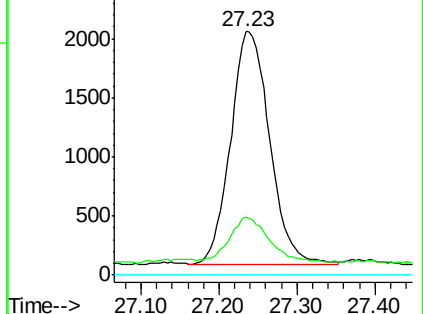
227 0.0 8.0 12.0#

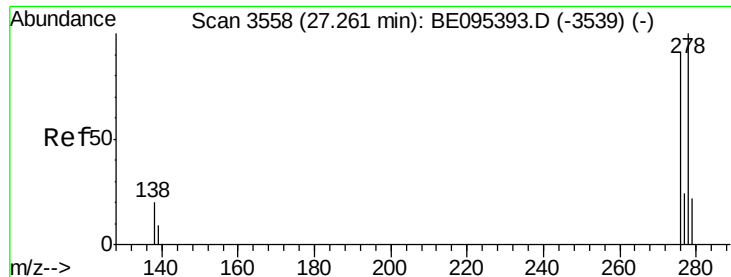


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.077 ng/ul

RT: 27.23 min Scan# 3552

Delta R.T. -0.03 min

Lab File: BE095401.D

Acq: 2 Feb 2018 17:36

Instrument :

BNA_E

ClientSampleId :

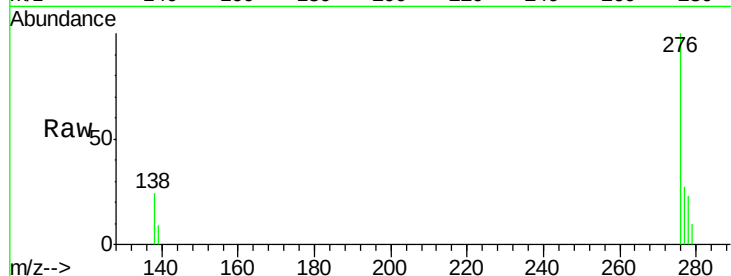
Tot Ion:278 Resp: 1615

Ion Ratio Lower Upper

278 100

139 37.8 17.4 26.0#

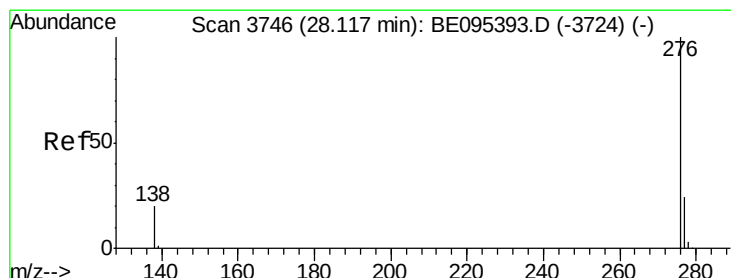
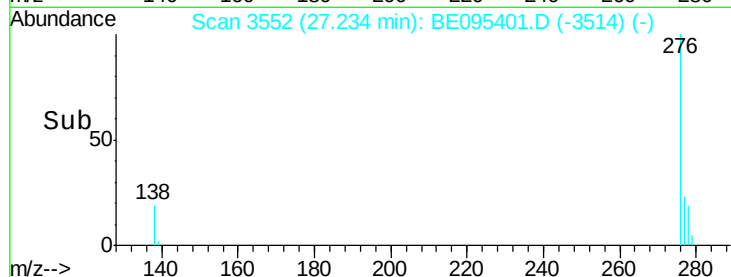
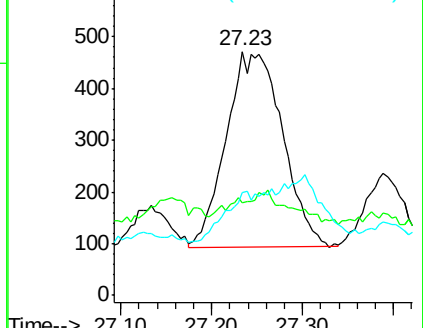
279 42.5 25.9 38.9#



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: 0.233 ng/ul

RT: 28.12 min Scan# 3746

Delta R.T. 0.00 min

Lab File: BE095401.D

Acq: 2 Feb 2018 17:36

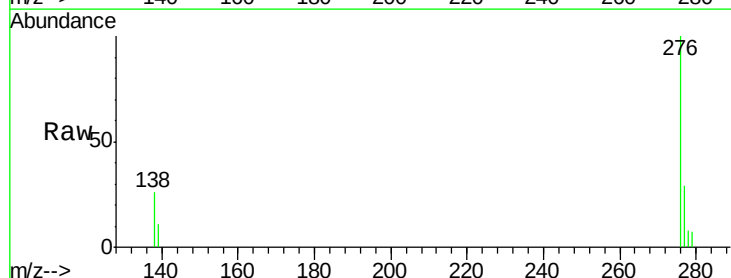
Tgt Ion:276 Resp: 5037

Ion Ratio Lower Upper

276 100

138 26.3 21.8 32.8

277 29.0 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

