

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\
 Data File : BE095586.D
 Acq On : 9 Feb 2018 1:52
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 09 04:07:26 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 01:31:22 2018
 Response via : Initial Calibration

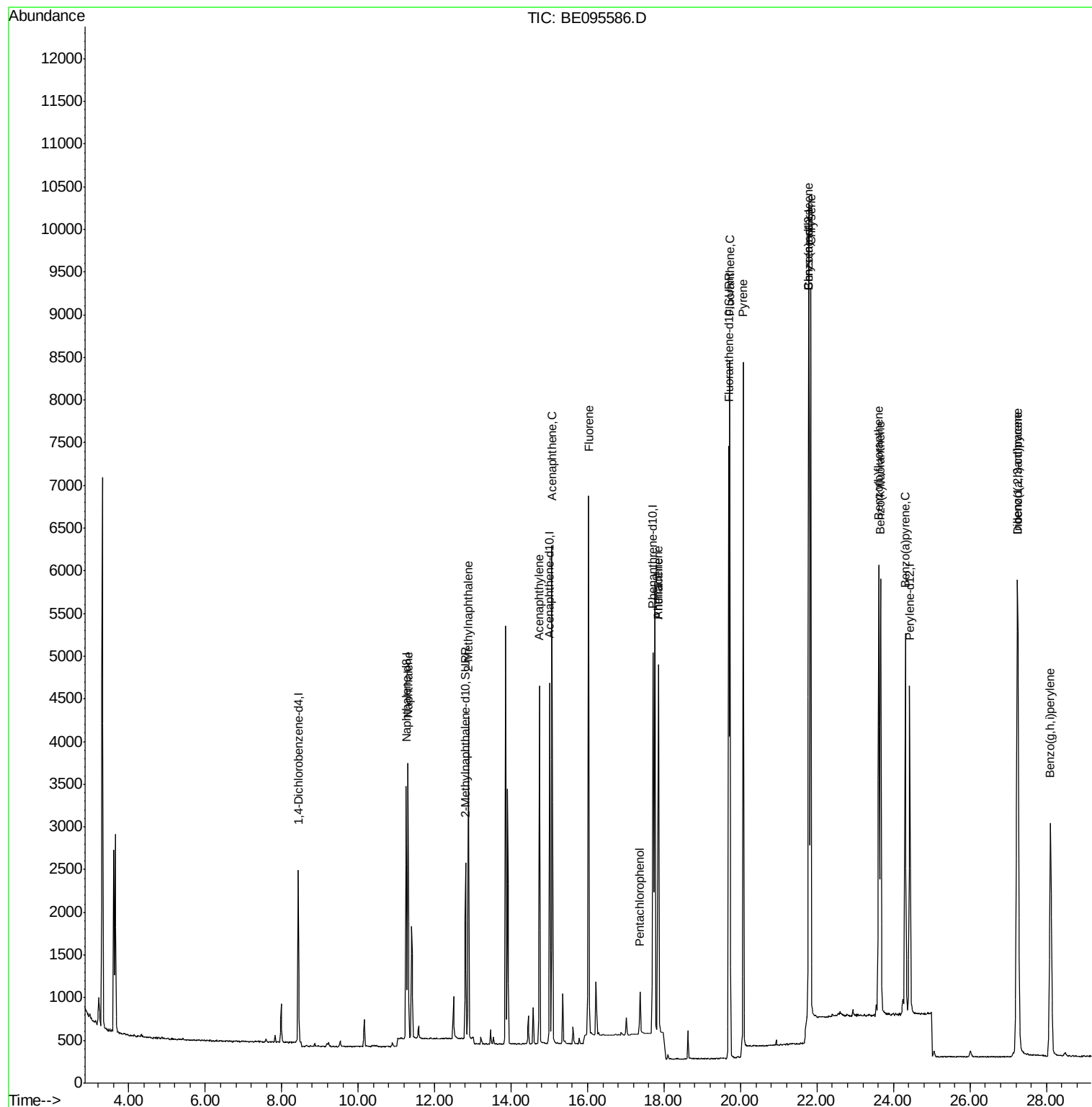
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1508	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	3914	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	2339	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	6231	0.40	ng/ul	0.00
16) Chrysene-d12	21.79	240	6281	0.40	ng/ul	0.00
20) Perylene-d12	24.43	264	5780	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	2697	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	7901	0.33	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.30	128	4496	0.410	ng/ul#	89
5) 2-Methylnaphthalene	12.88	142	3068	0.419	ng/ul	98
7) Acenaphthylene	14.74	152	4739	0.421	ng/ul	98
8) Acenaphthene	15.07	153	3512	0.402	ng/ul	93
9) Fluorene	16.03	166	4406	0.489	ng/ul#	93
11) Pentachlorophenol	17.36	266	341	0.283	ng/ul	96
12) Phenanthrene	17.85	178	6380	0.304	ng/ul	95
13) Anthracene	17.85	178	6405	0.334	ng/ul	94
15) Fluoranthene	19.72	202	8993	0.331	ng/ul	84
17) Pyrene	20.07	202	9485	0.450	ng/ul#	78
18) Benzo(a)anthracene	21.78	228	9245	0.471	ng/ul#	83
19) Chrysene	21.84	228	8081	0.396	ng/ul	98
21) Benzo(b)fluoranthene	23.61	252	8261	0.405	ng/ul	85
22) Benzo(k)fluoranthene	23.66	252	7138	0.383	ng/ul#	87
23) Benzo(a)pyrene	24.31	252	7343	0.403	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	27.24	276	8173	0.409	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.25	278	6704	0.410	ng/ul	90
26) Benzo(a,h,i)perylene	28.10	276	6904	0.408	ng/ul	95

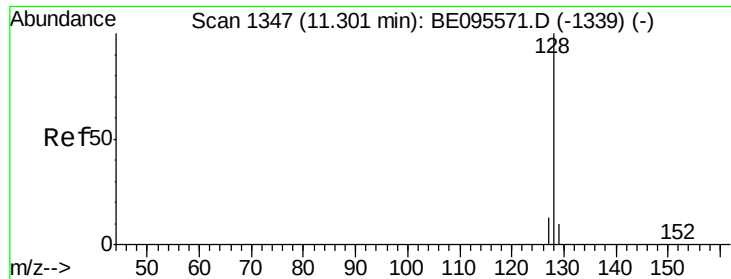
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.410 ng/ul

RT: 11.30 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE095586.D

Acq: 9 Feb 2018 1:52

Instrument :

BNA_E

ClientSampleId :

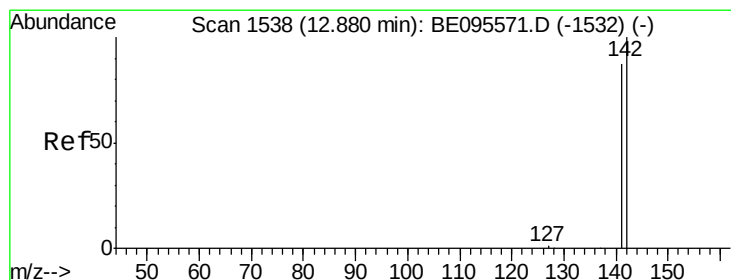
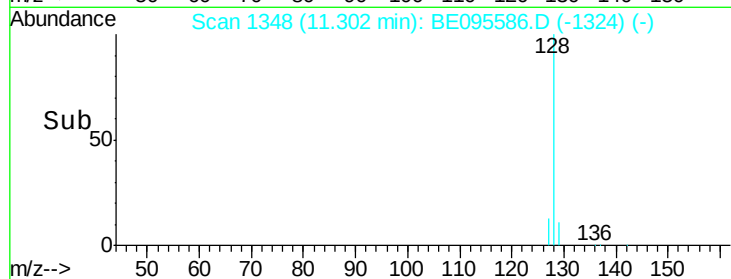
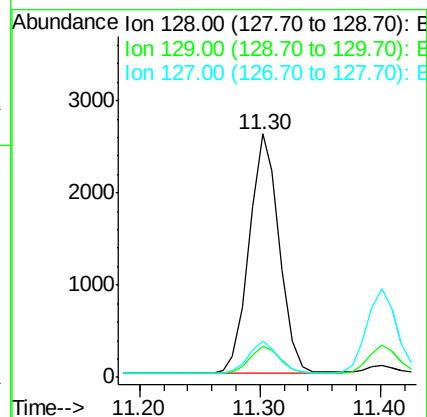
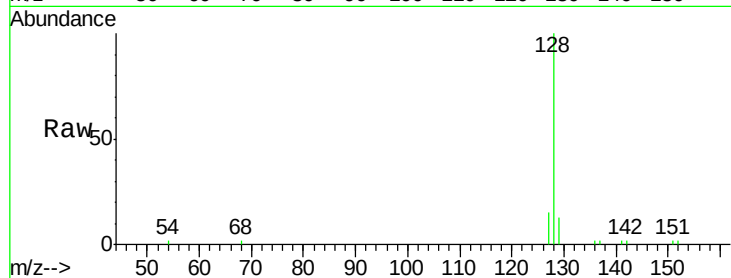
Tot Ion:128 Resp: 4496

Ion Ratio Lower Upper

128 100

129 12.5 11.3 16.9

127 14.8 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.419 ng/ul

RT: 12.88 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BE095586.D

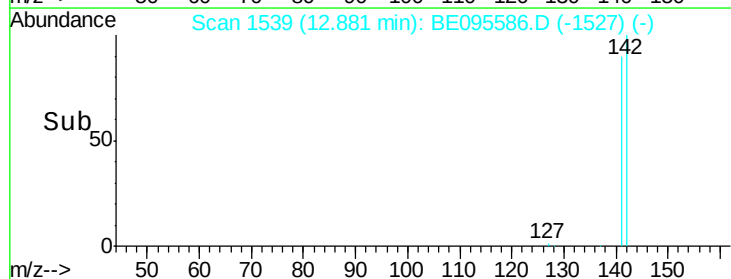
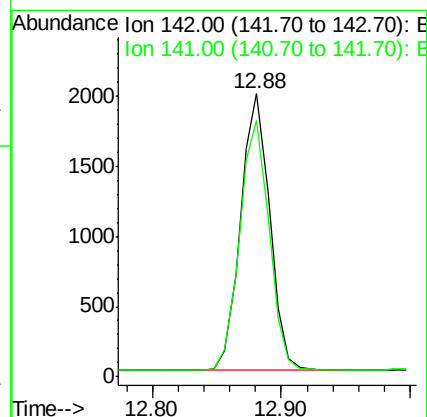
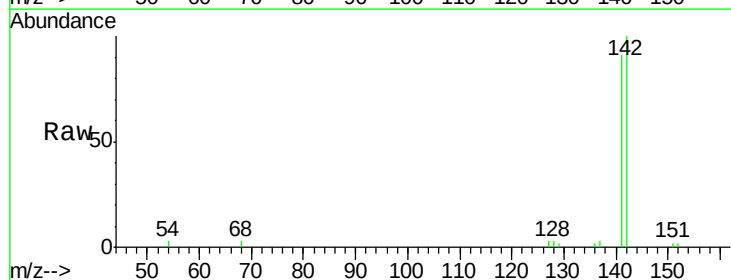
Acq: 9 Feb 2018 1:52

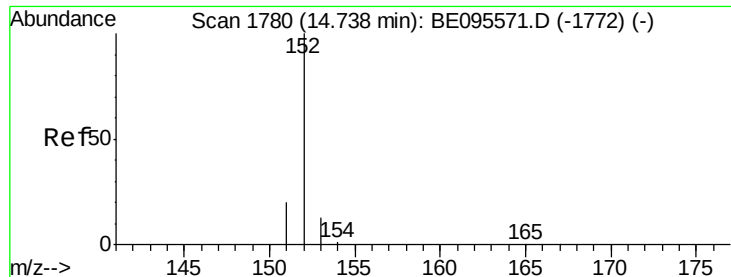
Tgt Ion:142 Resp: 3068

Ion Ratio Lower Upper

142 100

141 92.1 72.6 108.8





#7

Acenaphthylene

Concen: 0.421 ng/ul

RT: 14.74 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE095586.D

Acq: 9 Feb 2018 1:52

Instrument :

BNA_E

ClientSampleId :

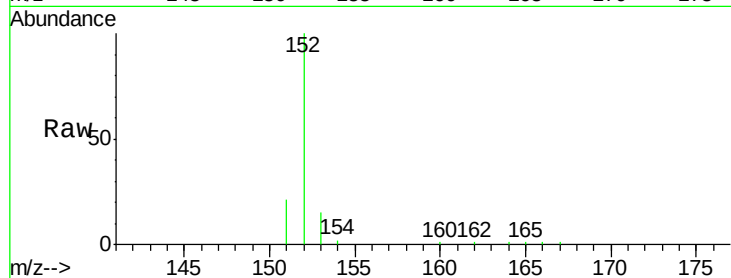
Tot Ion:152 Resp: 4739

Ion Ratio Lower Upper

152 100

151 20.6 17.1 25.7

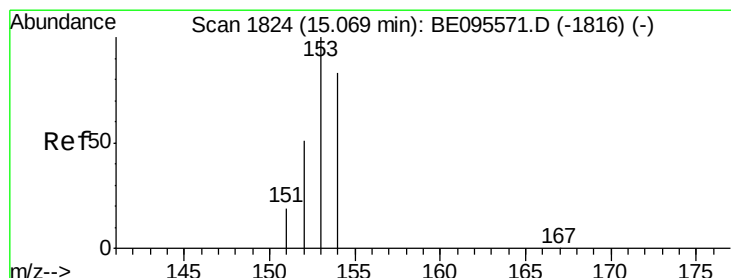
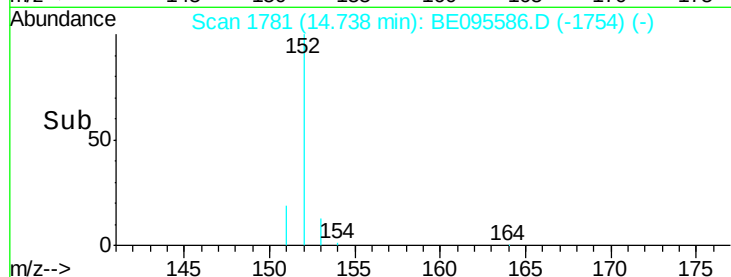
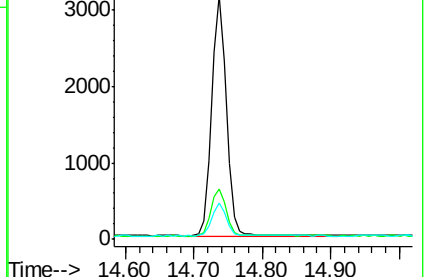
153 14.7 12.8 19.2



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: 0.402 ng/ul

RT: 15.07 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095586.D

Acq: 9 Feb 2018 1:52

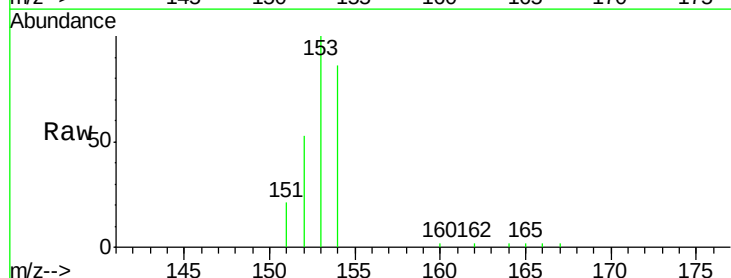
Tgt Ion:153 Resp: 3512

Ion Ratio Lower Upper

153 100

152 52.5 36.0 54.0

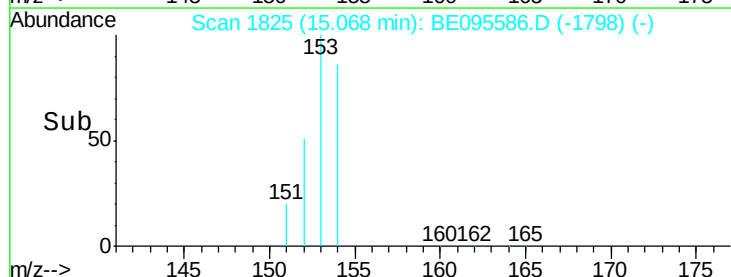
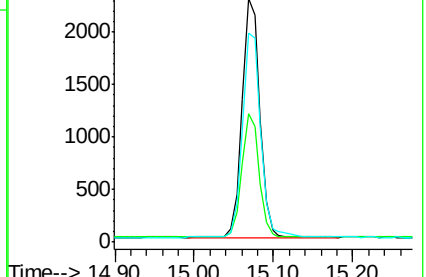
154 86.1 72.0 108.0

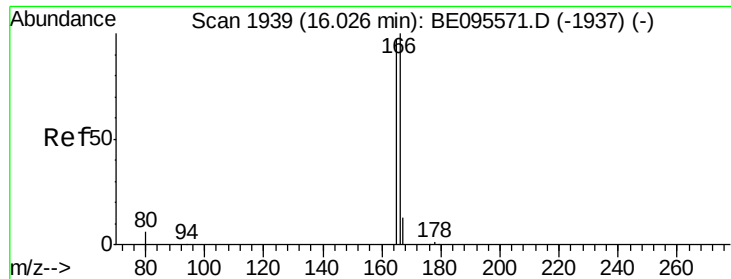


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

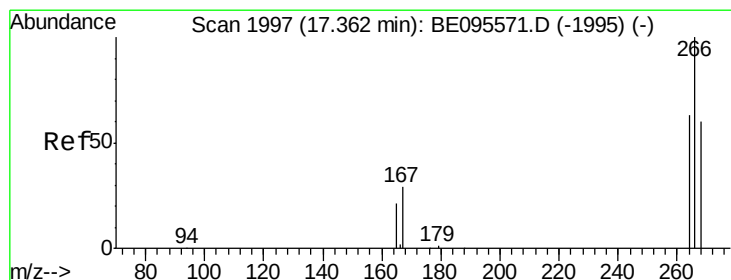
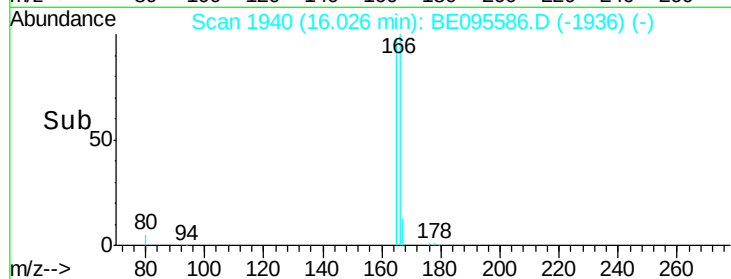
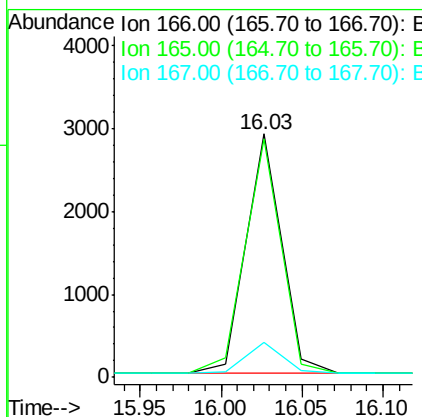
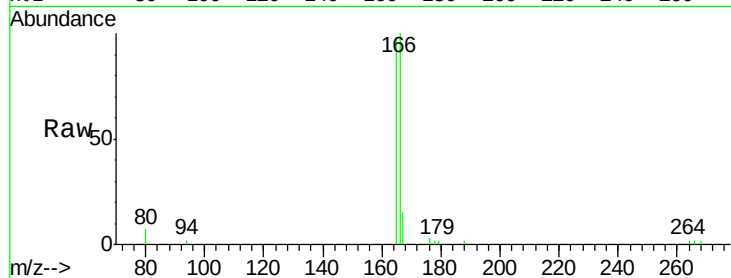




#9
Fluorene
 Concen: 0.489 ng/ul
 RT: 16.03 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: BE095586.D
 Acq: 9 Feb 2018 1:52

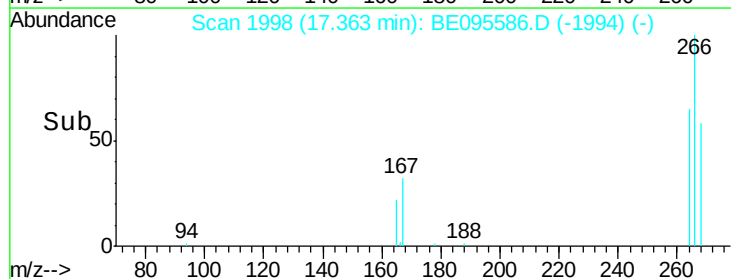
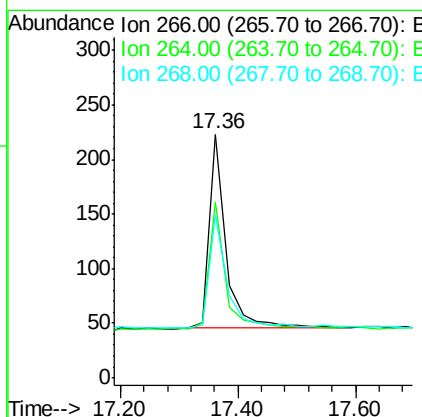
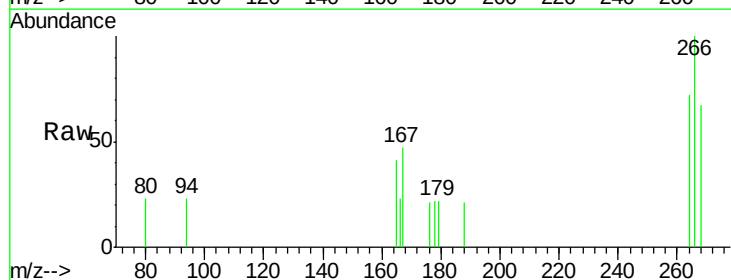
Instrument :
 BNA_E
 ClientSampleId :

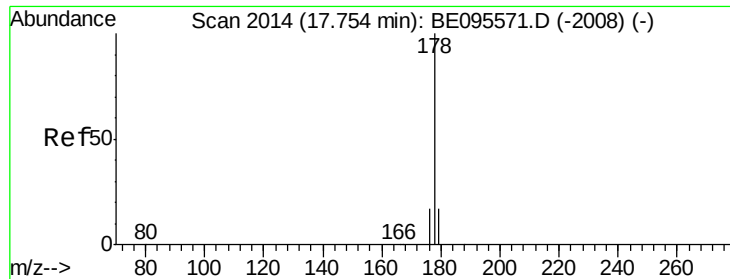
Tot Ion:166 Resp: 4406
 Ion Ratio Lower Upper
 166 100
 165 98.1 73.4 110.2
 167 14.6 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.283 ng/ul
 RT: 17.36 min Scan# 1998
 Delta R.T. 0.00 min
 Lab File: BE095586.D
 Acq: 9 Feb 2018 1:52

Tgt Ion:266 Resp: 341
 Ion Ratio Lower Upper
 266 100
 264 66.6 47.9 71.9
 268 62.5 49.8 74.8





#12

Phenanthrene

Concen: 0.304 ng/ul

RT: 17.85 min Scan# 2019

Delta R.T. 0.09 min

Lab File: BE095586.D

Acq: 9 Feb 2018 1:52

Instrument :

BNA_E

ClientSampleId :

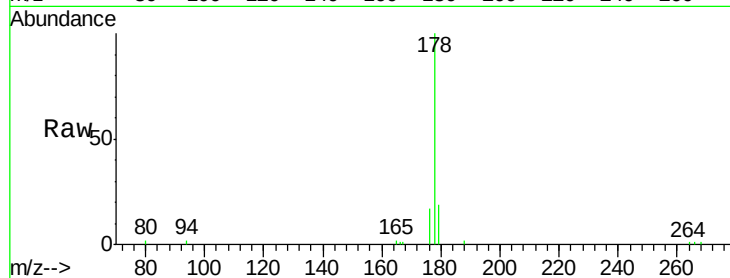
Tot Ion:178 Resp: 6380

Ion Ratio Lower Upper

178 100

179 18.7 18.4 27.6

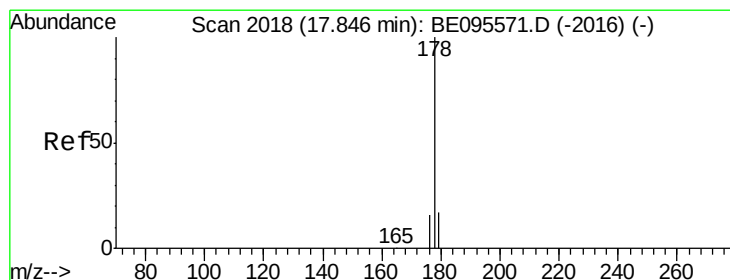
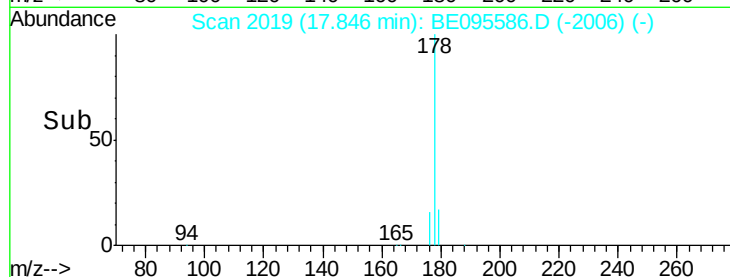
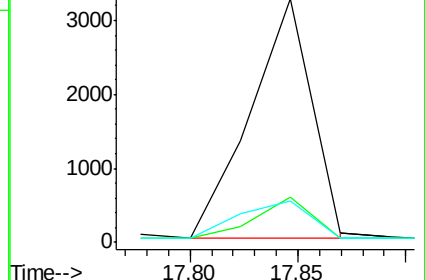
176 17.0 13.6 20.4



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: 0.334 ng/ul

RT: 17.85 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BE095586.D

Acq: 9 Feb 2018 1:52

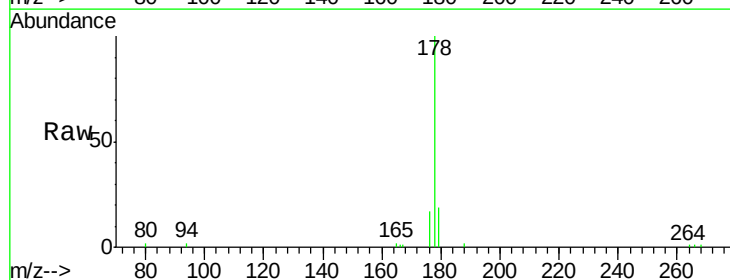
Tgt Ion:178 Resp: 6405

Ion Ratio Lower Upper

178 100

179 18.7 18.1 27.1

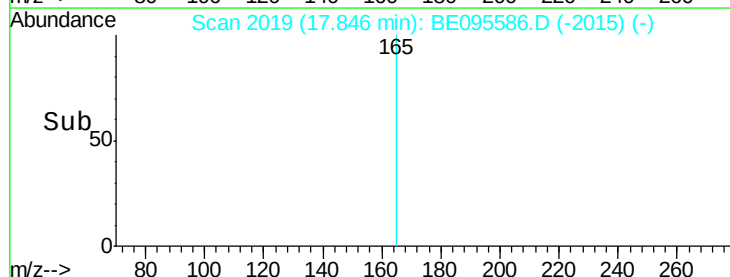
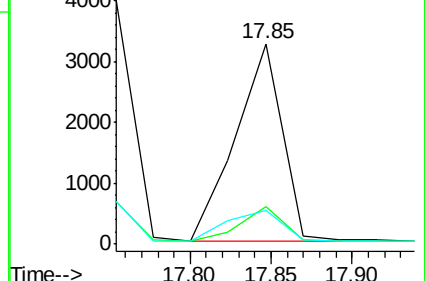
176 17.0 14.7 22.1

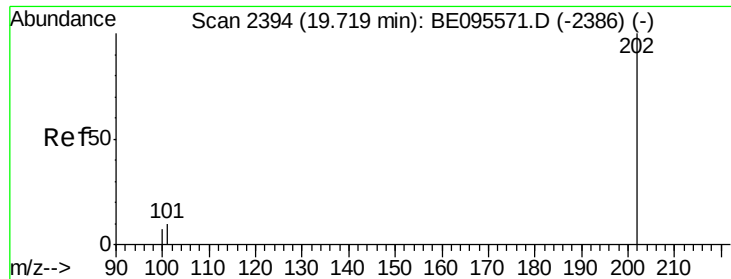


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.331 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BE095586.D

Acq: 9 Feb 2018 1:52

Instrument :

BNA_E

ClientSampleId :

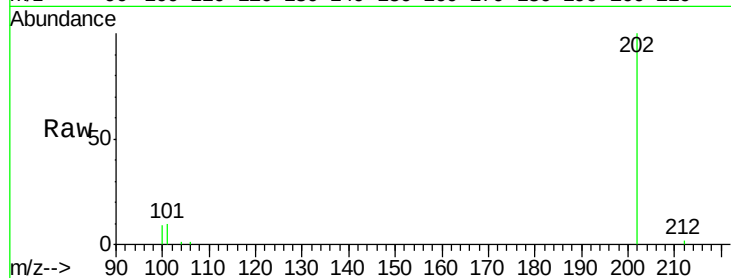
Tot Ion:202 Resp: 8993

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.3

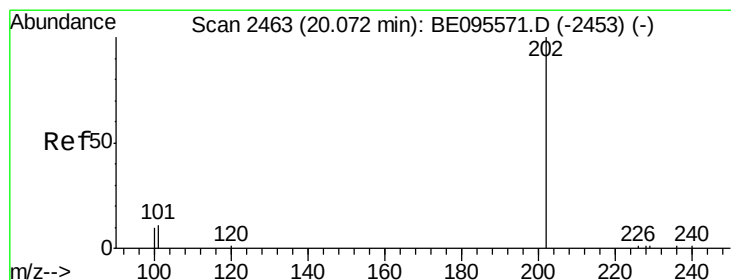
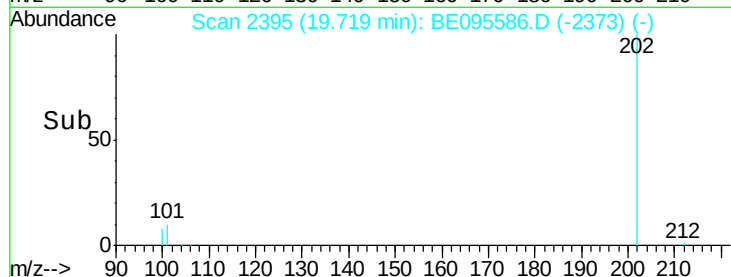
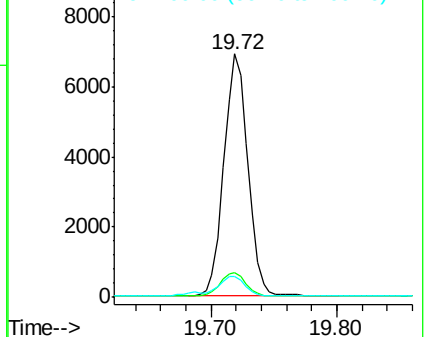
100 8.6 0.0 39.5



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: 0.450 ng/ul

RT: 20.07 min Scan# 2465

Delta R.T. 0.00 min

Lab File: BE095586.D

Acq: 9 Feb 2018 1:52

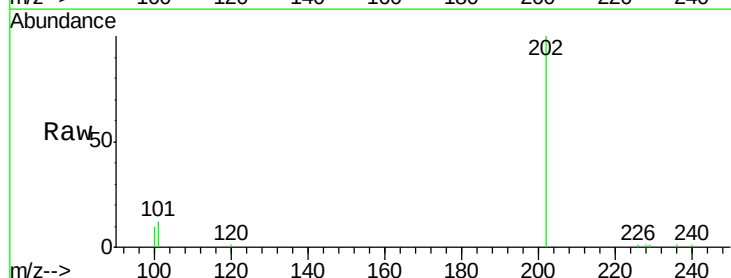
Tgt Ion:202 Resp: 9485

Ion Ratio Lower Upper

202 100

101 11.7 18.2 27.4#

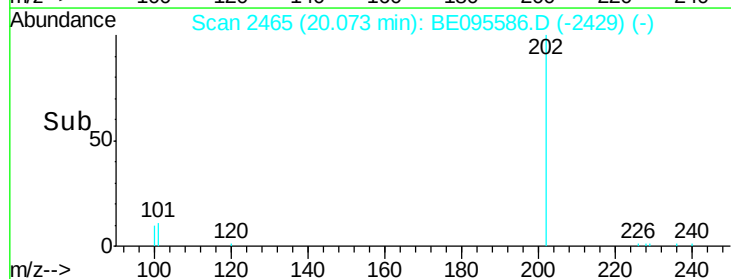
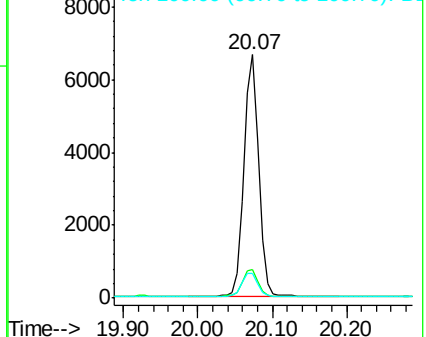
100 10.4 15.6 23.4#

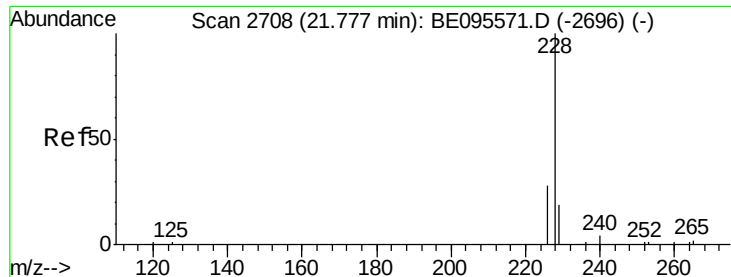


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.471 ng/ul

RT: 21.78 min Scan# 2710

Delta R.T. -0.00 min

Lab File: BE095586.D

Acq: 9 Feb 2018 1:52

Instrument :

BNA_E

ClientSampleId :

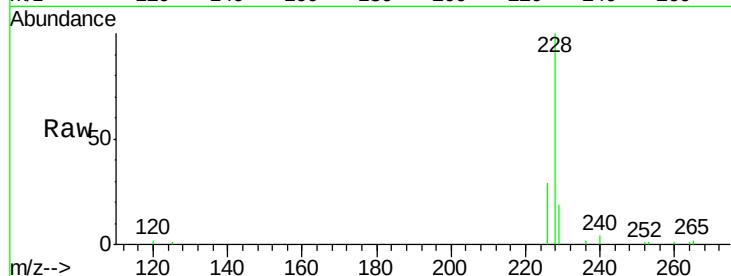
Tot Ion:228 Resp: 9245

Ion Ratio Lower Upper

228 100

229 19.5 22.8 34.2#

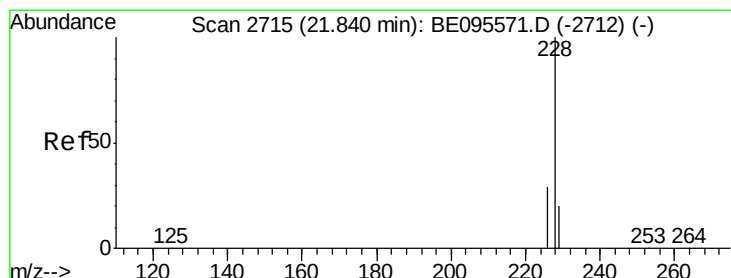
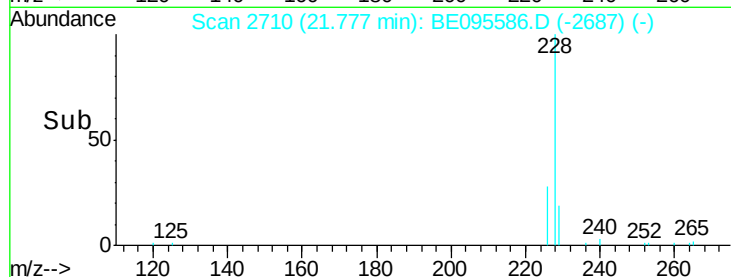
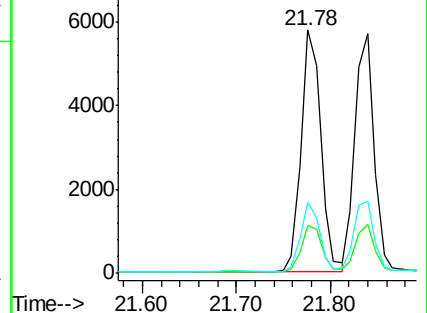
226 29.0 17.0 25.6#



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: 0.396 ng/ul

RT: 21.84 min Scan# 2717

Delta R.T. -0.00 min

Lab File: BE095586.D

Acq: 9 Feb 2018 1:52

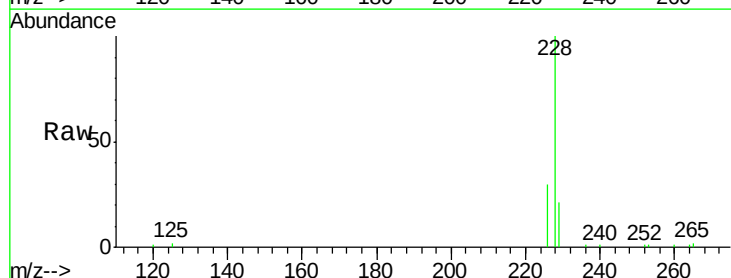
Tgt Ion:228 Resp: 8081

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

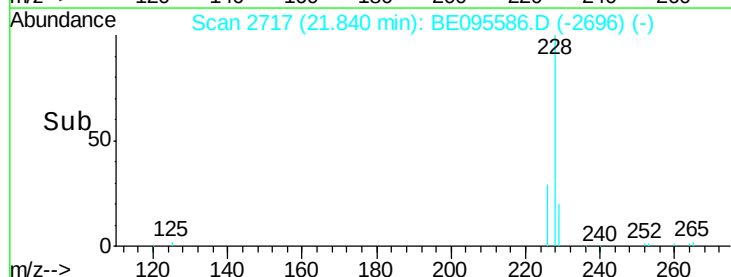
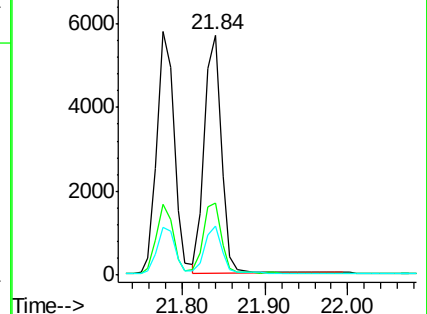
229 20.7 17.7 26.5

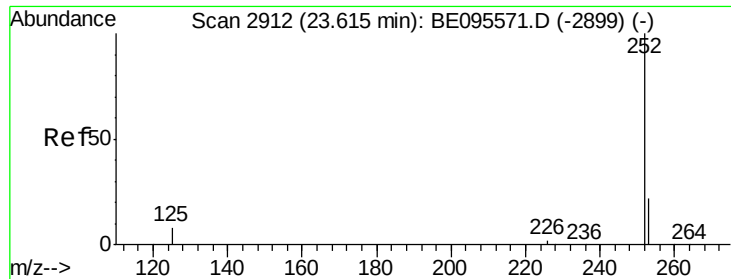


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

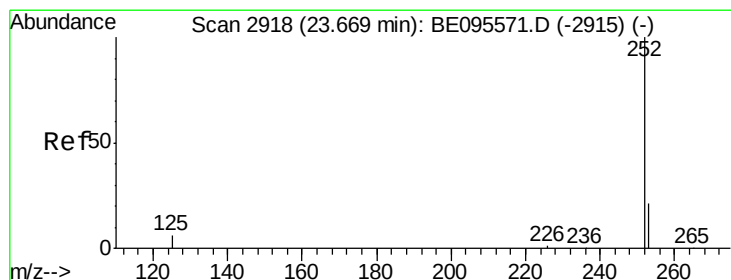
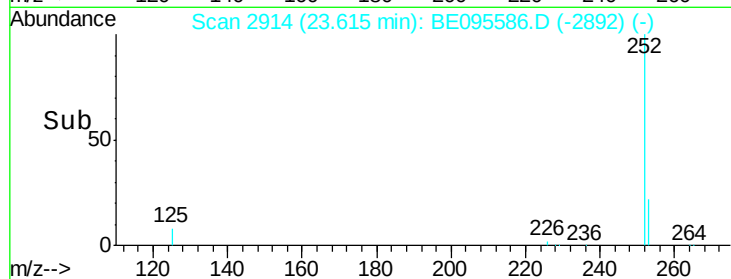
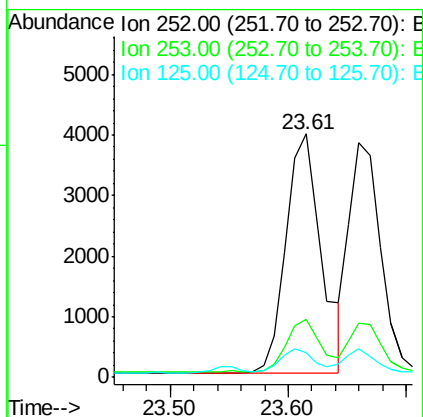
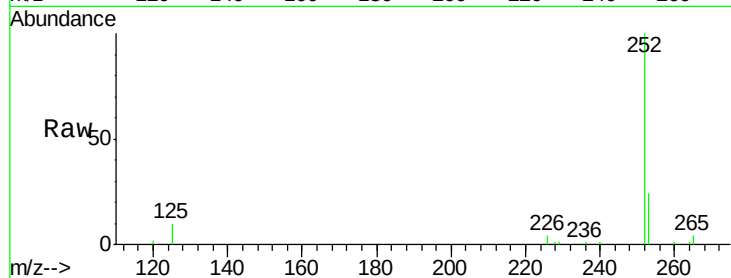




#21
Benzo(b)fluoranthene
Concen: 0.405 ng/ul
RT: 23.61 min Scan# 2914
Delta R.T. -0.00 min
Lab File: BE095586.D
Acq: 9 Feb 2018 1:52

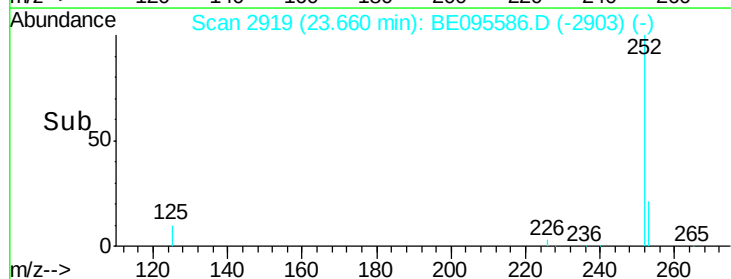
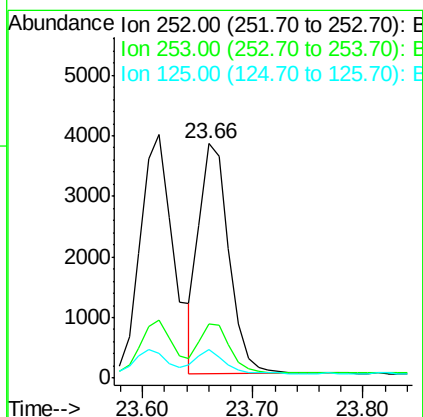
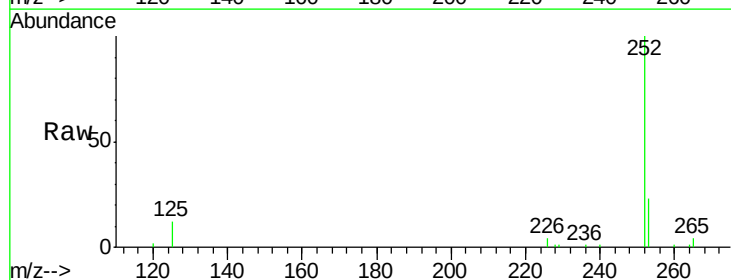
Instrument :
BNA_E
ClientSampleId :

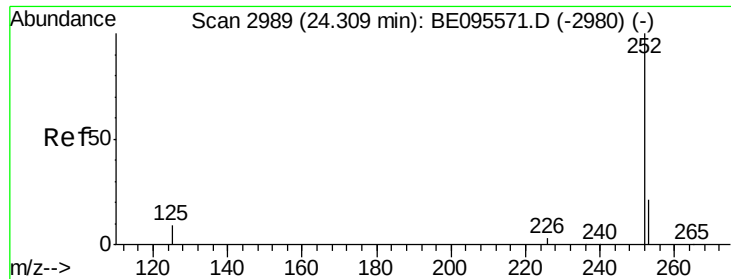
Tot Ion:252 Resp: 8261
Ion Ratio Lower Upper
252 100
253 23.9 0.0 64.2
125 10.3 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.383 ng/ul
RT: 23.66 min Scan# 2919
Delta R.T. -0.01 min
Lab File: BE095586.D
Acq: 9 Feb 2018 1:52

Tgt Ion:252 Resp: 7138
Ion Ratio Lower Upper
252 100
253 23.2 24.5 36.7#
125 12.1 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.403 ng/ul

RT: 24.31 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE095586.D

Acq: 9 Feb 2018 1:52

Instrument :

BNA_E

ClientSampleId :

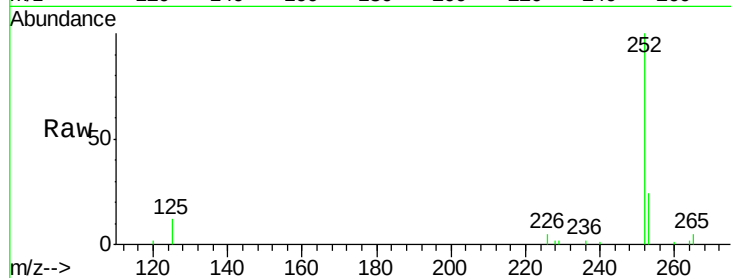
Tot Ion:252 Resp: 7343

Ion Ratio Lower Upper

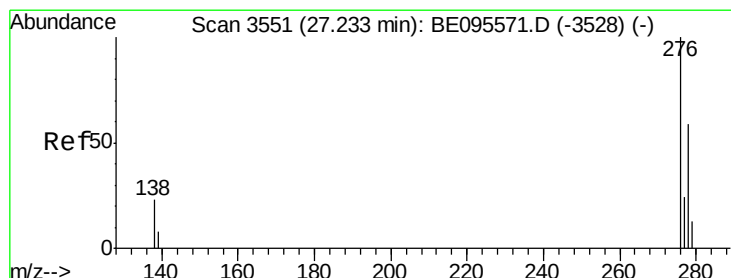
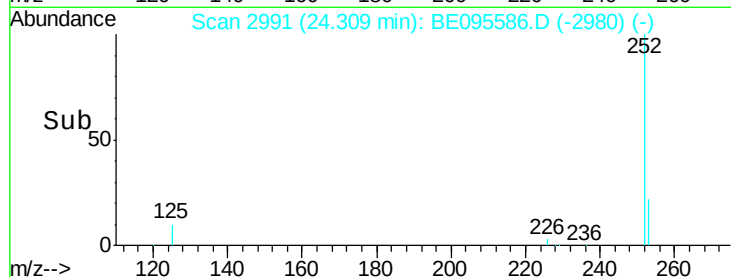
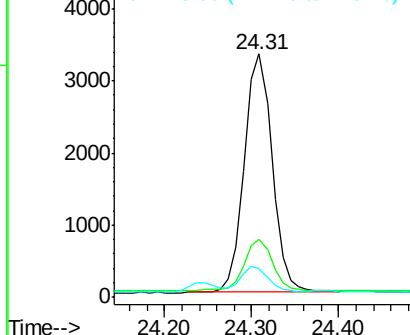
252 100

253 23.9 28.5 42.7#

125 11.8 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: 0.409 ng/ul

RT: 27.24 min Scan# 3554

Delta R.T. 0.00 min

Lab File: BE095586.D

Acq: 9 Feb 2018 1:52

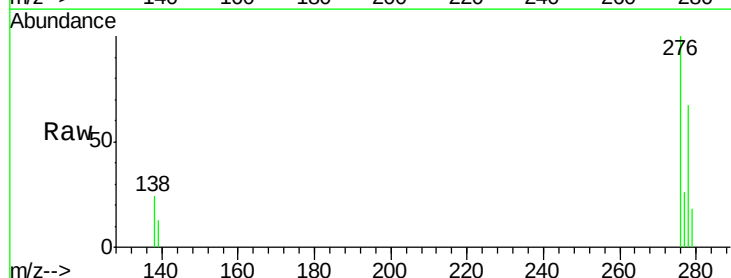
Tgt Ion:276 Resp: 8173

Ion Ratio Lower Upper

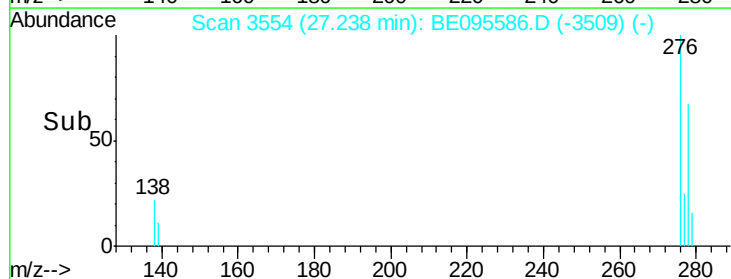
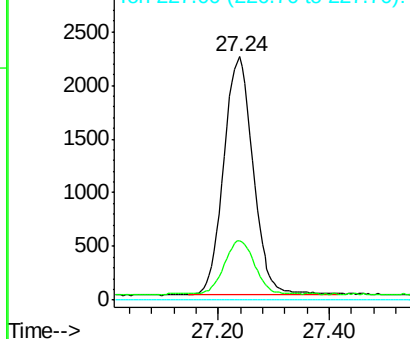
276 100

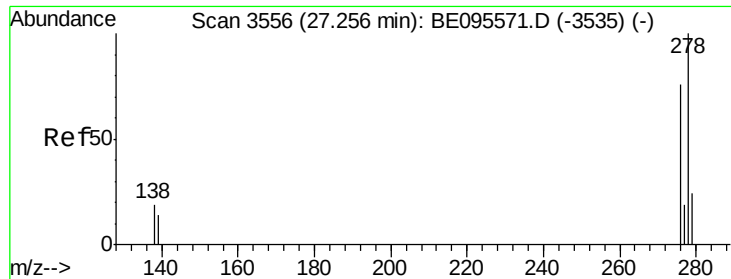
138 22.9 28.0 42.0#

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: 0.410 ng/ul

RT: 27.25 min Scan# 3557

Delta R.T. -0.00 min

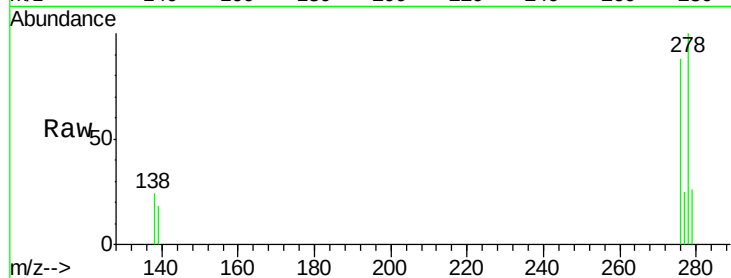
Lab File: BE095586.D

Acq: 9 Feb 2018 1:52

Instrument :

BNA_E

ClientSampled :



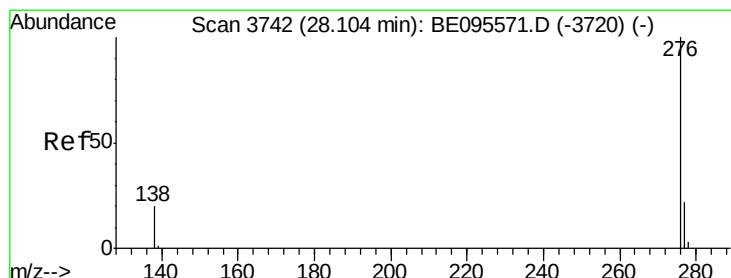
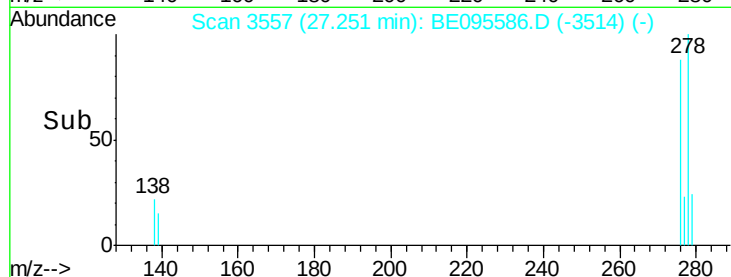
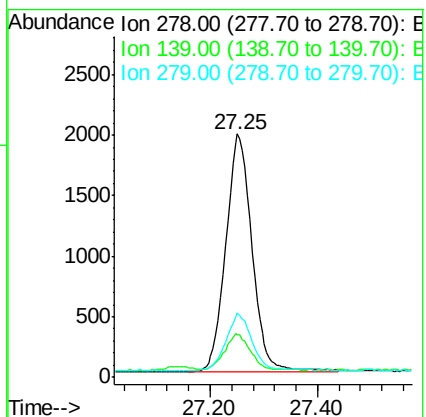
Tot Ion:278 Resp: 6704

Ion Ratio Lower Upper

278 100

139 17.6 17.4 26.0

279 26.3 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 0.408 ng/ul

RT: 28.10 min Scan# 3744

Delta R.T. -0.00 min

Lab File: BE095586.D

Acq: 9 Feb 2018 1:52

Tgt Ion:276 Resp: 6904

Ion Ratio Lower Upper

276 100

138 22.8 21.8 32.8

277 25.5 20.5 30.7

