

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012718\
 Data File : BE095196.D
 Acq On : 28 Jan 2018 8:39
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 29 00:17:13 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 00:15:32 2018
 Response via : Initial Calibration

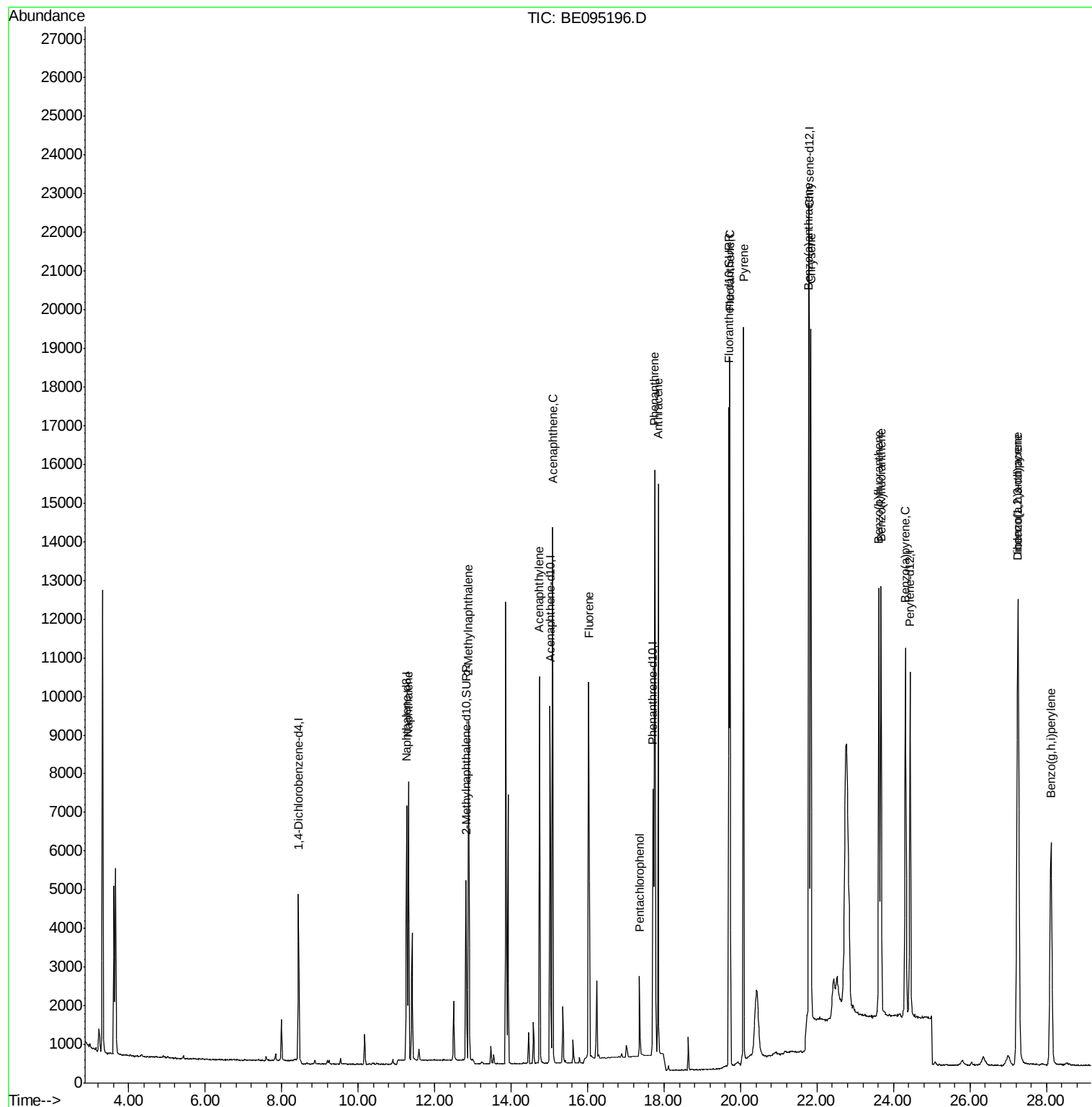
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2870	0.40	ng/ul	0.00
2) Naphthalene-d8	11.27	136	8985	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	5414	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	12297	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	13621	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	12755	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.82	152	6204	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	18256	0.39	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.32	128	10078	0.401	ng/ul#	89
5) 2-Methylnaphthalene	12.89	142	7169	0.427	ng/ul	98
7) Acenaphthylene	14.75	152	11129	0.427	ng/ul	96
8) Acenaphthene	15.08	153	8259	0.409	ng/ul	97
9) Fluorene	16.03	166	8604	0.413	ng/ul#	70
11) Pentachlorophenol	17.36	266	1240	0.521	ng/ul	96
12) Phenanthrene	17.75	178	17339	0.419	ng/ul#	87
13) Anthracene	17.85	178	16819	0.444	ng/ul#	92
15) Fluoranthene	19.73	202	20337	0.380	ng/ul	83
17) Pyrene	20.08	202	22580	0.494	ng/ul#	79
18) Benzo(a)anthracene	21.79	228	18559	0.436	ng/ul#	85
19) Chrysene	21.84	228	17851	0.404	ng/ul	95
21) Benzo(b)fluoranthene	23.62	252	16735	0.372	ng/ul	85
22) Benzo(k)fluoranthene	23.67	252	16762	0.407	ng/ul#	87
23) Benzo(a)pyrene	24.32	252	16217	0.404	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	27.25	276	18134	0.412	ng/ul#	79
25) Dibenzo(a,h)anthracene	27.27	278	14879	0.413	ng/ul#	88
26) Benzo(g,h,i)perylene	28.11	276	15260	0.409	ng/ul#	93

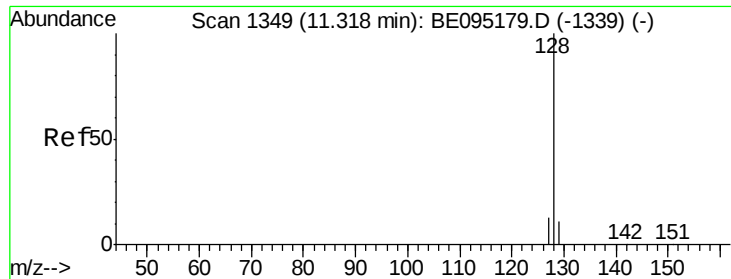
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.401 ng/ul

RT: 11.32 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

Instrument :

BNA_E

ClientSampleId :

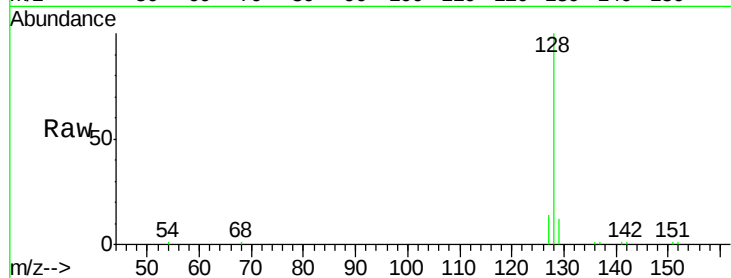
Tot Ion:128 Resp: 10078

Ion Ratio Lower Upper

128 100

129 12.1 11.3 16.9

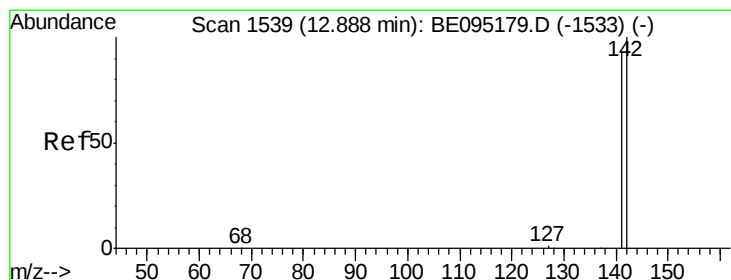
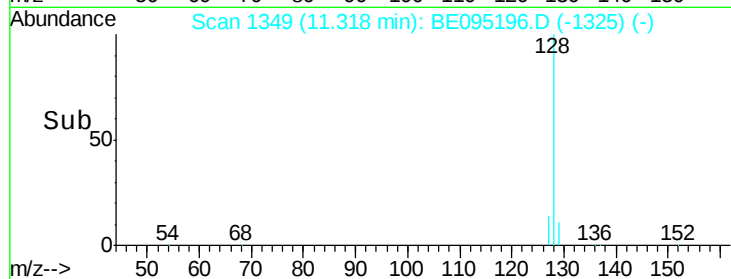
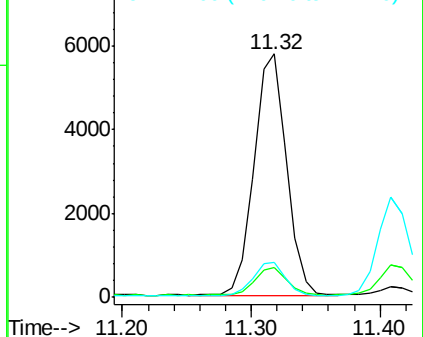
127 14.4 4.0 6.0#



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: 0.427 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BE095196.D

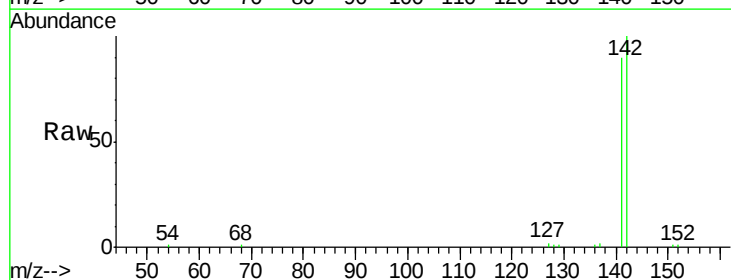
Acq: 28 Jan 2018 8:39

Tgt Ion:142 Resp: 7169

Ion Ratio Lower Upper

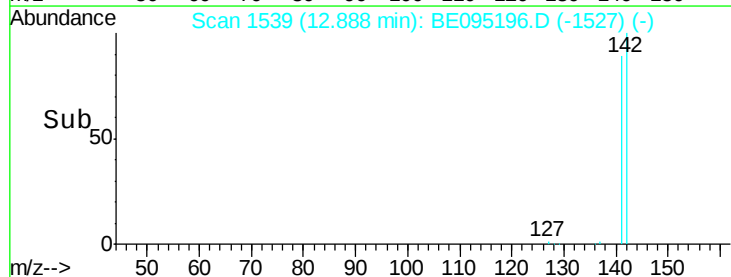
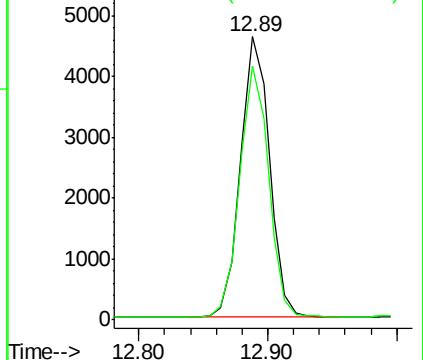
142 100

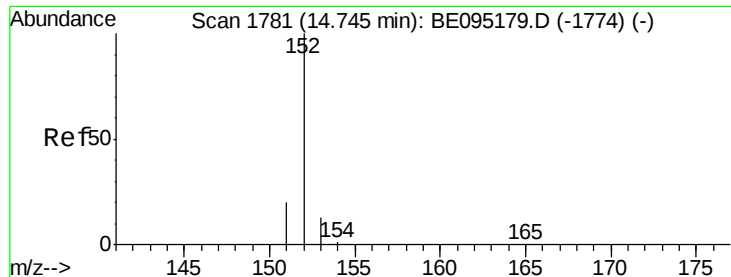
141 89.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.427 ng/ul

RT: 14.75 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

Instrument :

BNA_E

ClientSampleId :

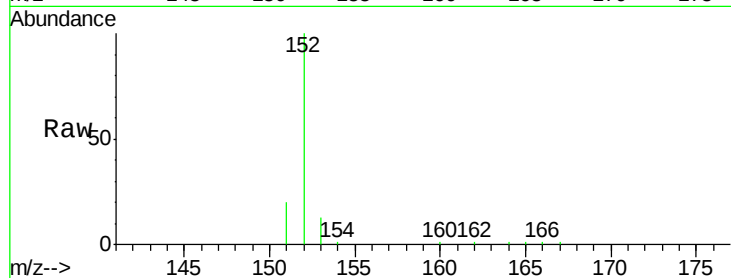
Tot Ion:152 Resp: 11129

Ion Ratio Lower Upper

152 100

151 20.4 17.1 25.7

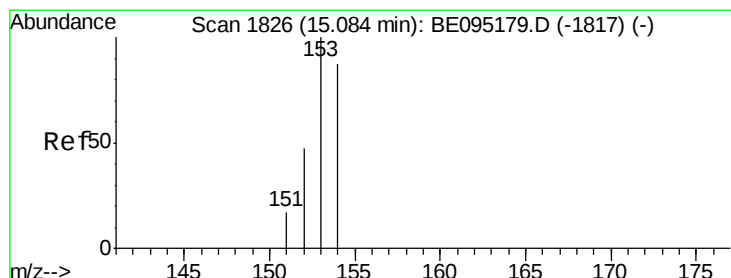
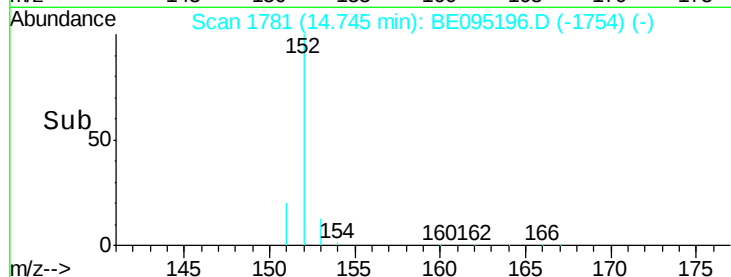
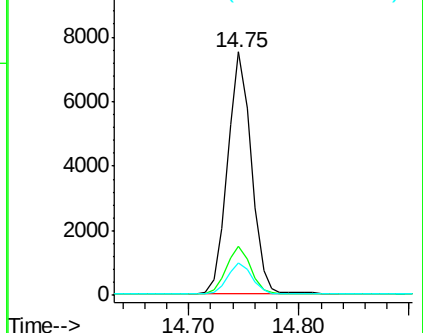
153 13.4 12.8 19.2



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: 0.409 ng/ul

RT: 15.08 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

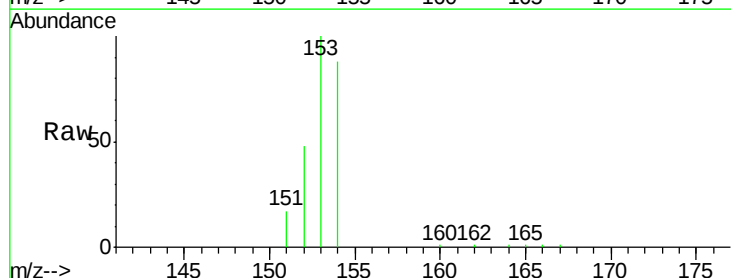
Tgt Ion:153 Resp: 8259

Ion Ratio Lower Upper

153 100

152 47.8 36.0 54.0

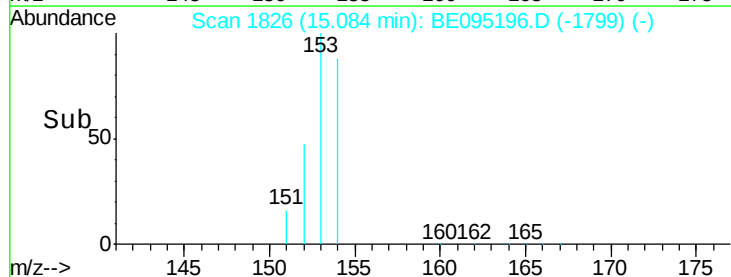
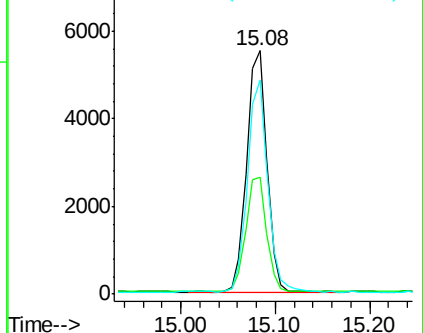
154 88.2 72.0 108.0

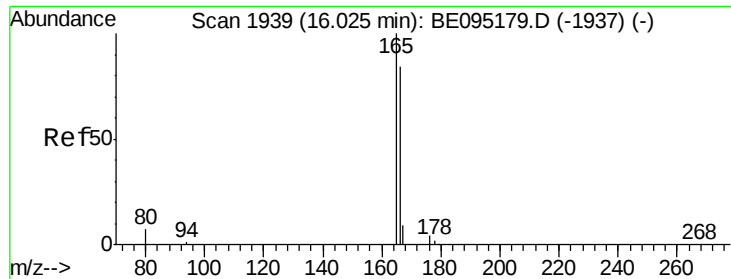


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.413 ng/ul

RT: 16.03 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

Instrument :

BNA_E

ClientSampleId :

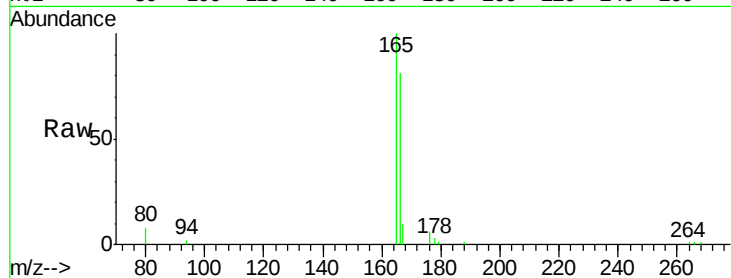
Tot Ion:166 Resp: 8604

Ion Ratio Lower Upper

166 100

165 124.1 73.4 110.2#

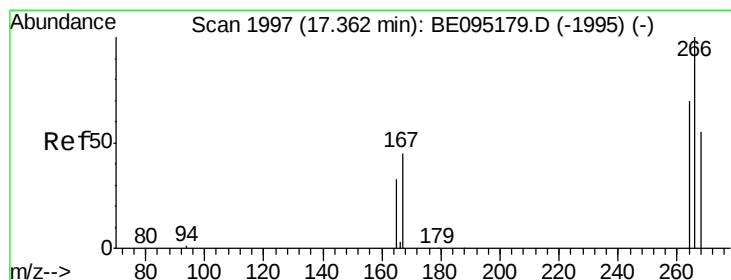
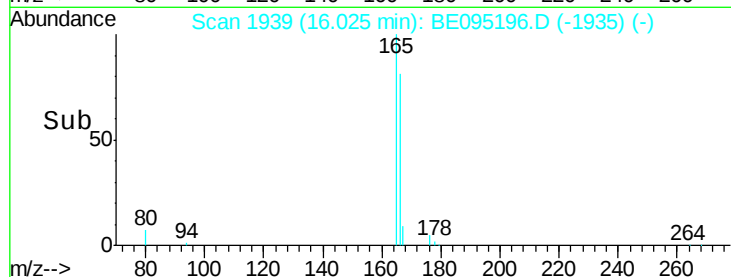
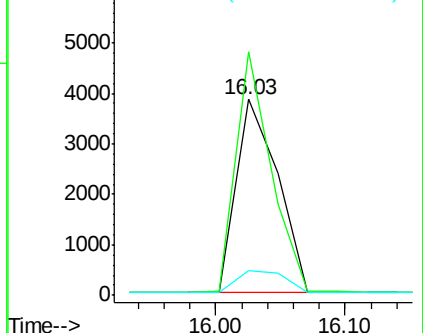
167 12.5 14.6 22.0#



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: 0.521 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

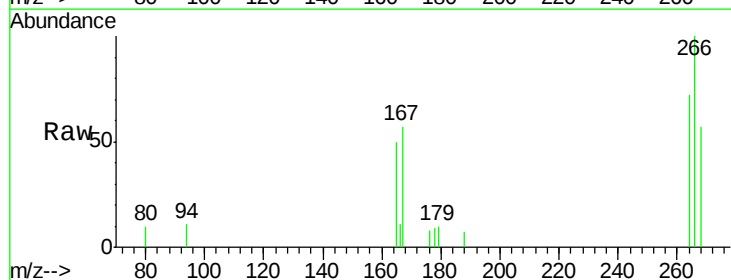
Tgt Ion:266 Resp: 1240

Ion Ratio Lower Upper

266 100

264 64.5 47.9 71.9

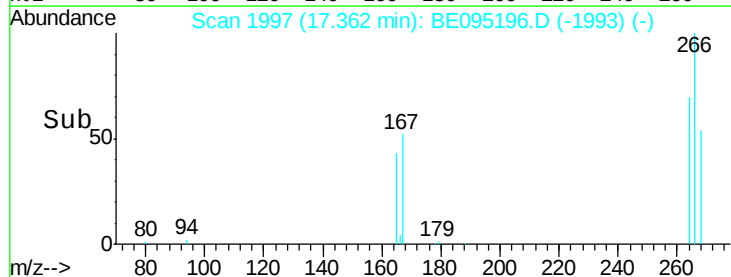
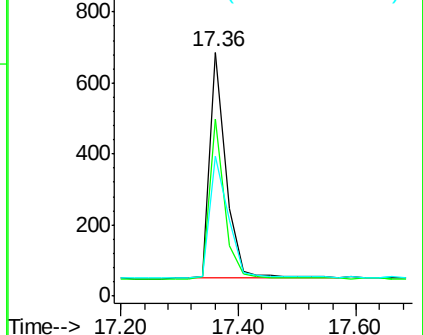
268 60.1 49.8 74.8

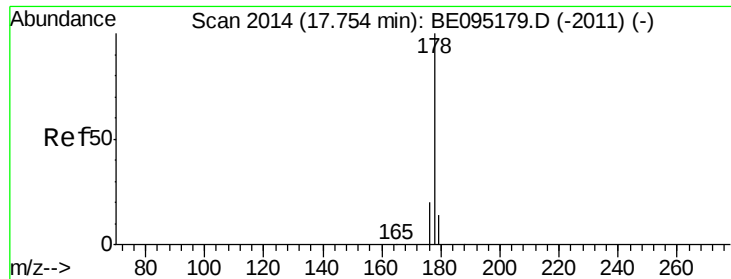


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.419 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

Instrument :

BNA_E

ClientSampled :

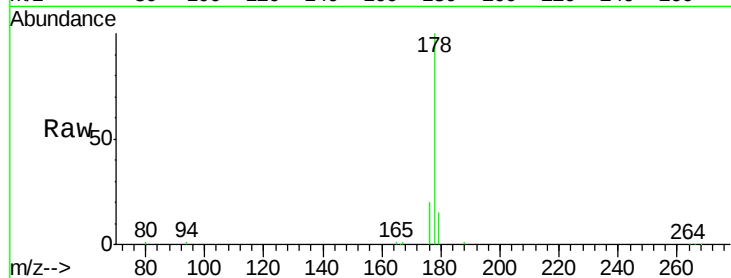
Tot Ion:178 Resp: 17339

Ion Ratio Lower Upper

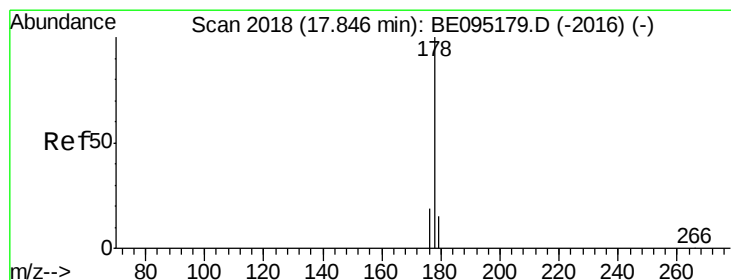
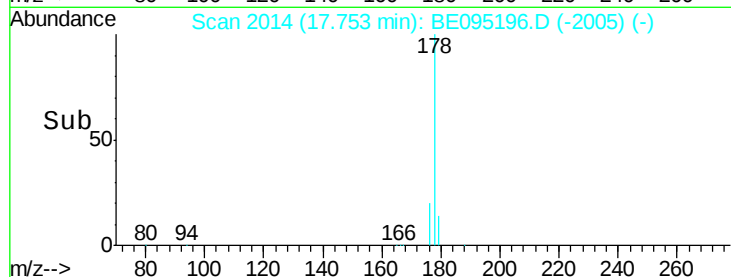
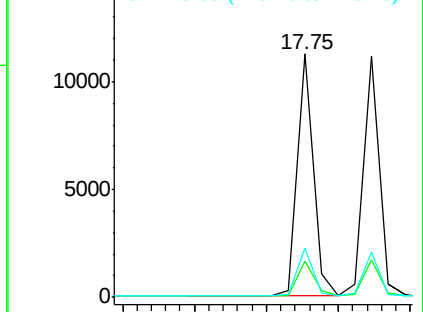
178 100

179 15.0 18.4 27.6#

176 20.4 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: 0.444 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

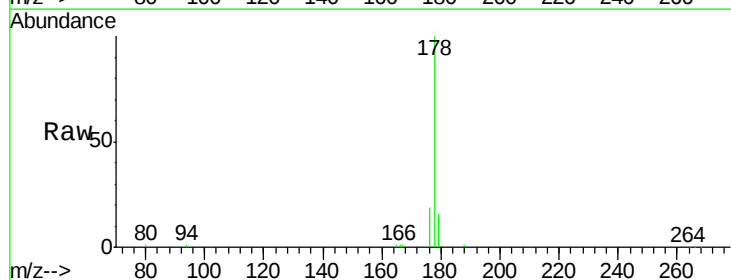
Tgt Ion:178 Resp: 16819

Ion Ratio Lower Upper

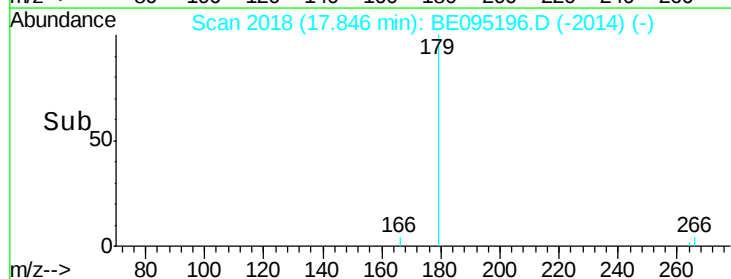
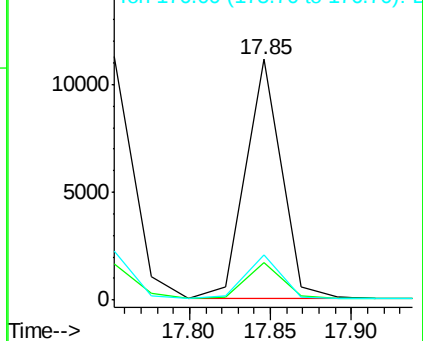
178 100

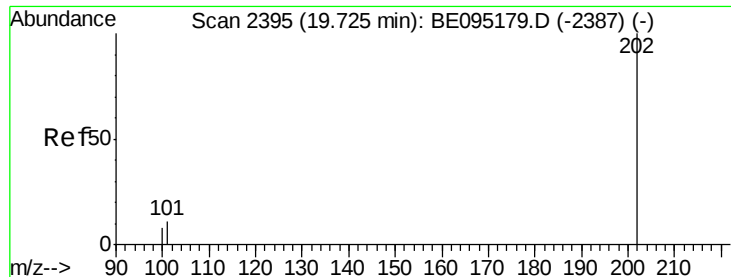
179 15.6 18.1 27.1#

176 18.6 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: 0.380 ng/ul

RT: 19.73 min Scan# 2396

Delta R.T. 0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

Instrument :

BNA_E

ClientSampleId :

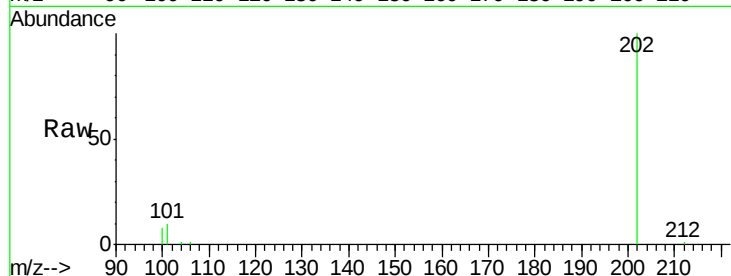
Tot Ion:202 Resp: 20337

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.3

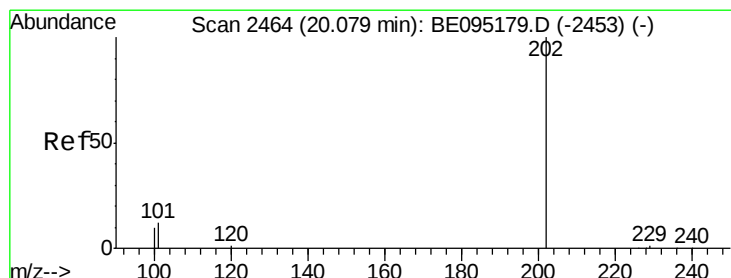
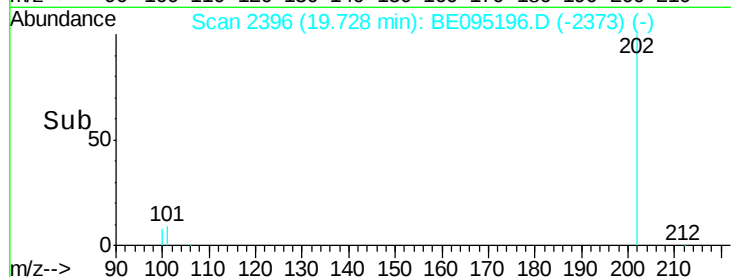
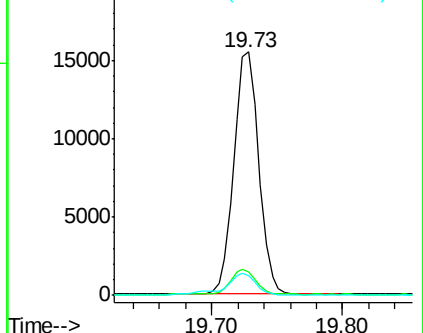
100 7.9 0.0 39.5



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: 0.494 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. -0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

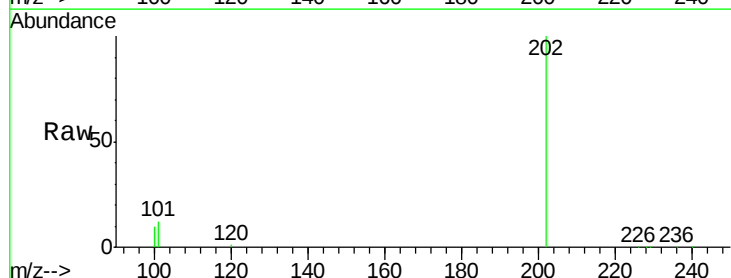
Tgt Ion:202 Resp: 22580

Ion Ratio Lower Upper

202 100

101 12.2 18.2 27.4#

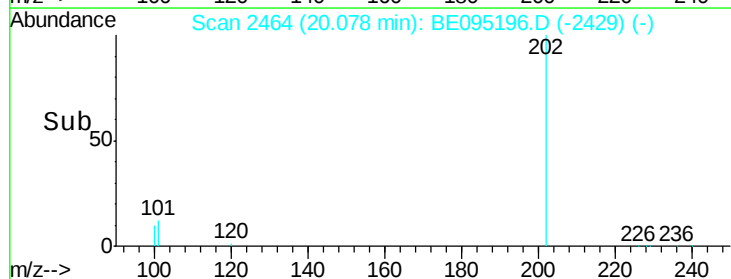
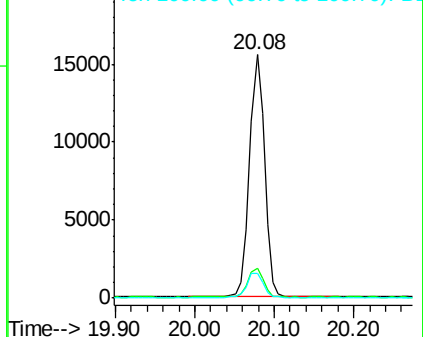
100 10.4 15.6 23.4#

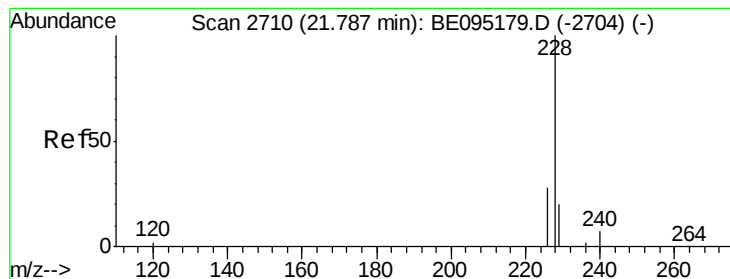


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.436 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. -0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

Instrument :

BNA_E

ClientSampleId :

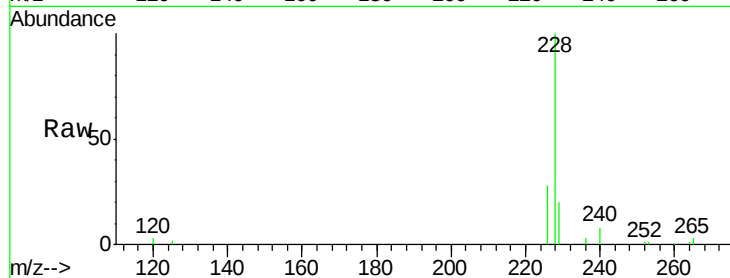
Tot Ion:228 Resp: 18559

Ion Ratio Lower Upper

228 100

229 20.1 22.8 34.2#

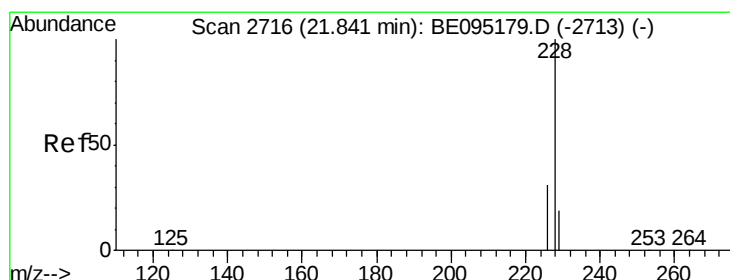
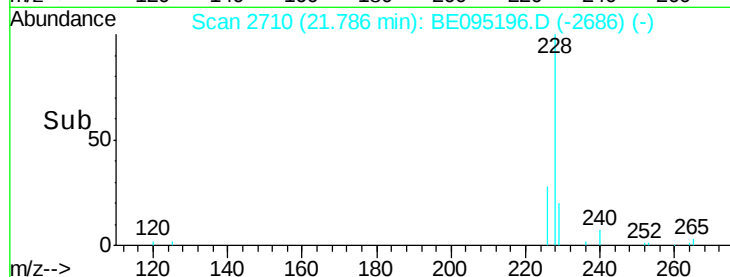
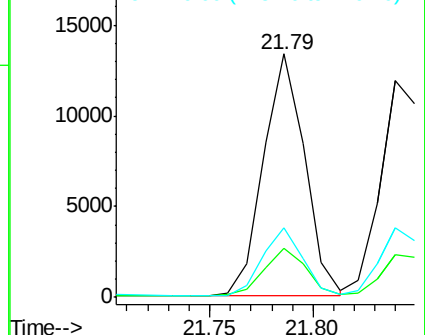
226 28.3 17.0 25.6#



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: 0.404 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. -0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

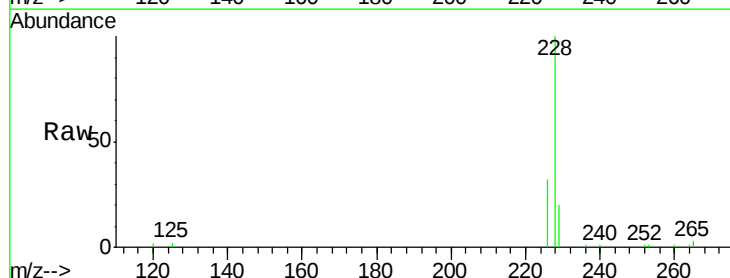
Tgt Ion:228 Resp: 17851

Ion Ratio Lower Upper

228 100

226 31.9 23.4 35.0

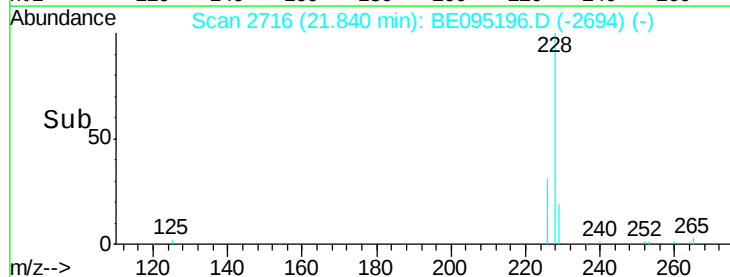
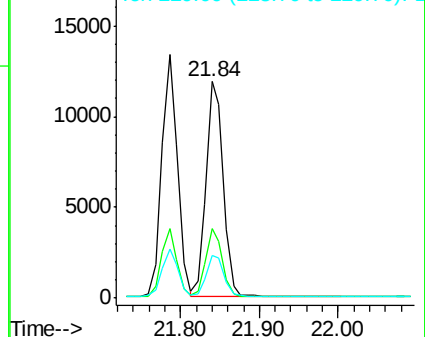
229 19.7 17.7 26.5

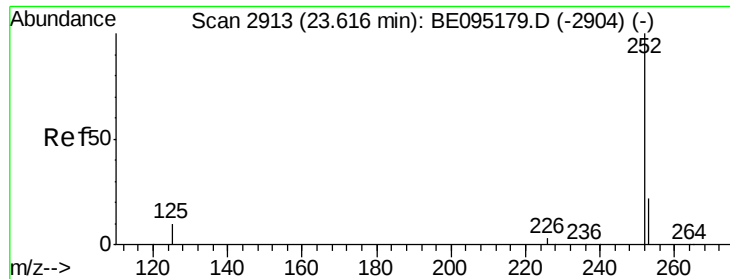


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.372 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

Instrument :

BNA_E

ClientSampleId :

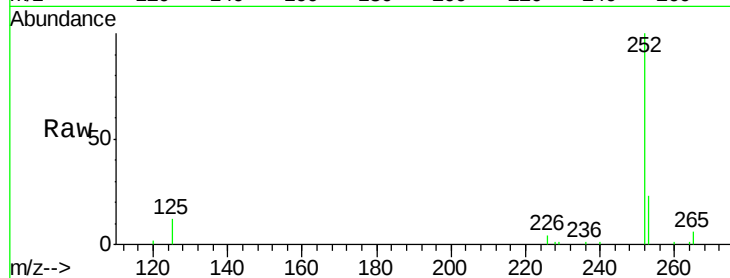
Tot Ion:252 Resp: 16735

Ion Ratio Lower Upper

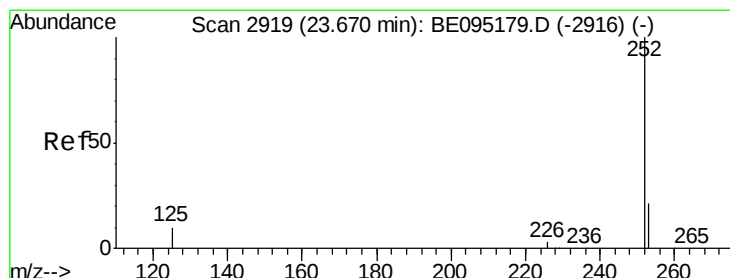
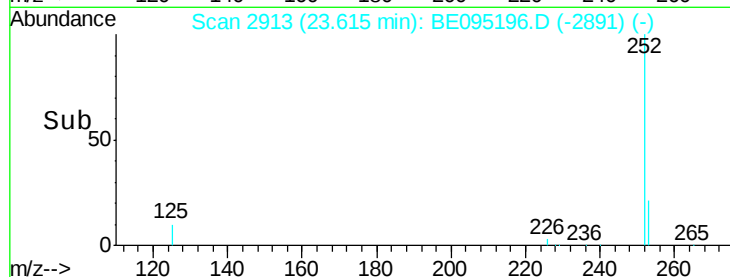
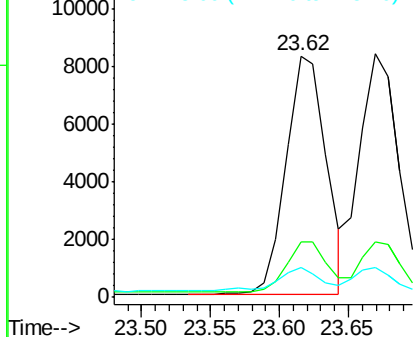
252 100

253 23.1 0.0 64.2

125 12.1 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: 0.407 ng/ul

RT: 23.67 min Scan# 2919

Delta R.T. -0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

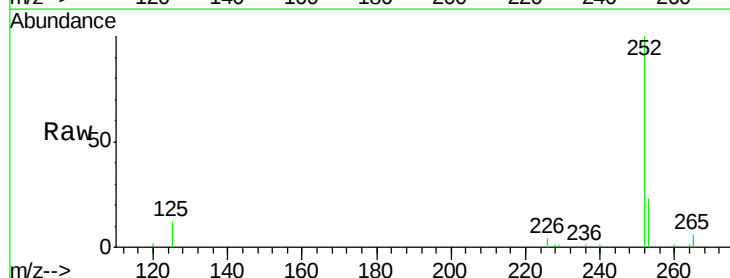
Tgt Ion:252 Resp: 16762

Ion Ratio Lower Upper

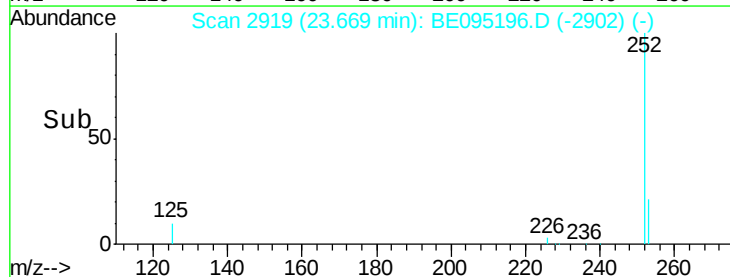
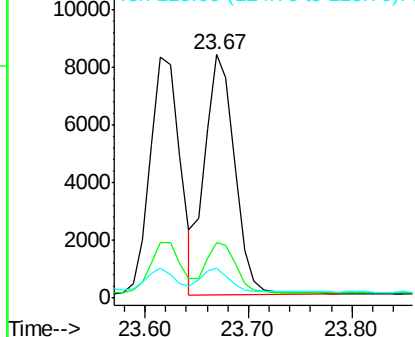
252 100

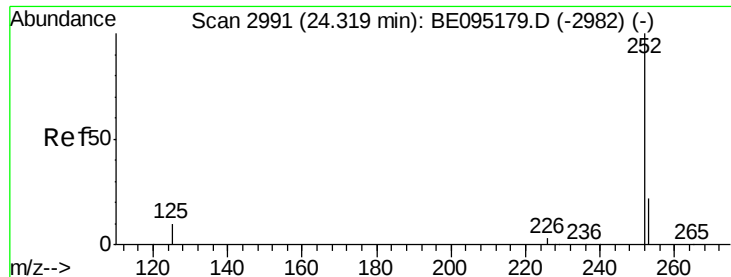
253 22.7 24.5 36.7#

125 12.2 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: 0.404 ng/ul

RT: 24.32 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

Instrument :

BNA_E

ClientSampleId :

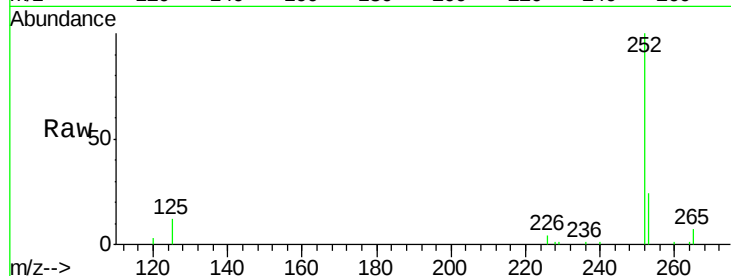
Tot Ion:252 Resp: 16217

Ion Ratio Lower Upper

252 100

253 23.7 28.5 42.7#

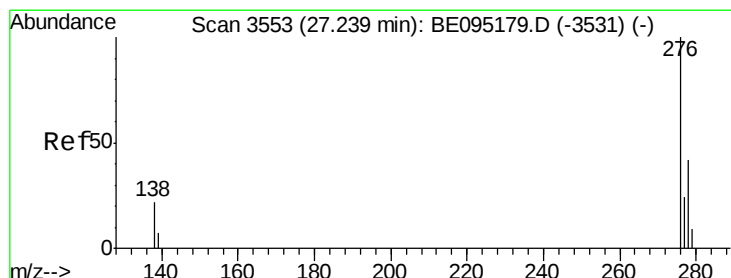
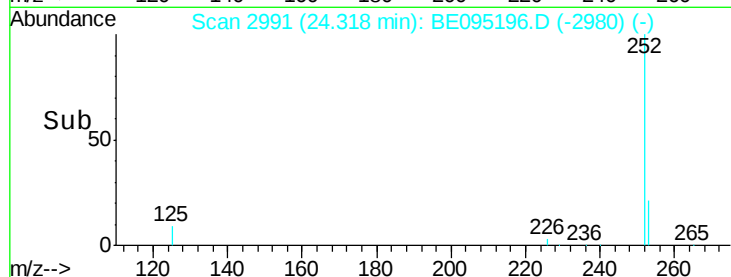
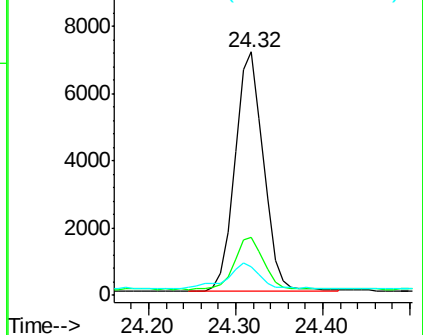
125 11.8 18.1 27.1#



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: 0.412 ng/ul

RT: 27.25 min Scan# 3553

Delta R.T. 0.01 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

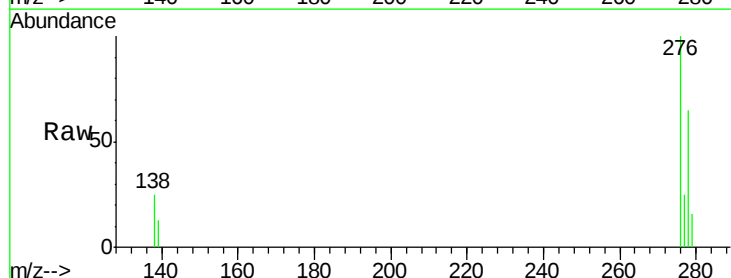
Tgt Ion:276 Resp: 18134

Ion Ratio Lower Upper

276 100

138 23.7 28.0 42.0#

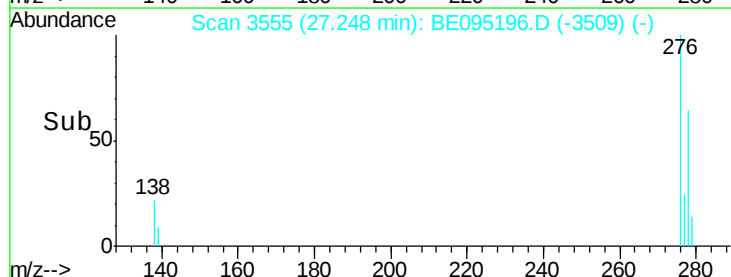
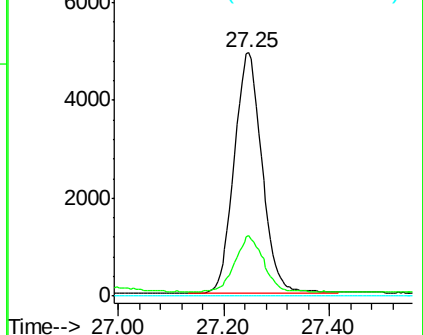
227 0.0 8.0 12.0#

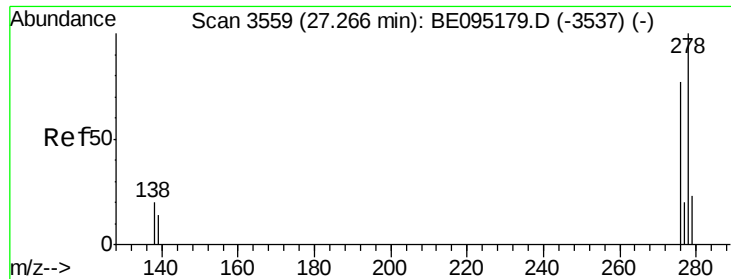


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.413 ng/ul

RT: 27.27 min Scan# 3559

Delta R.T. -0.00 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

Instrument :

BNA_E

ClientSampleId :

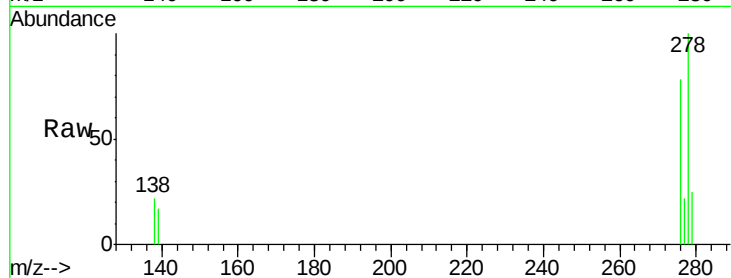
Tot Ion:278 Resp: 14879

Ion Ratio Lower Upper

278 100

139 17.2 17.4 26.0#

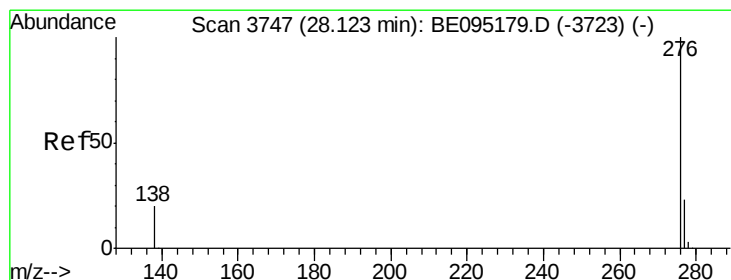
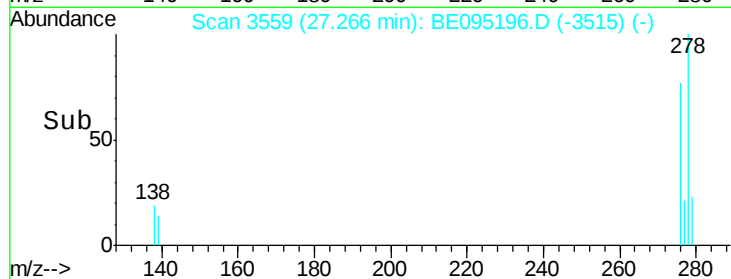
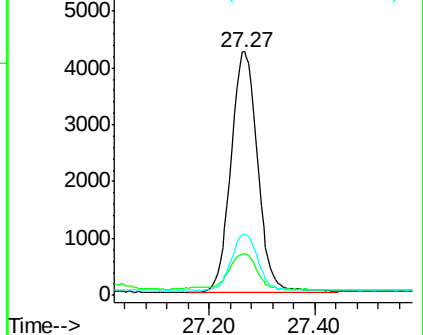
279 25.1 25.9 38.9#



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: 0.409 ng/ul

RT: 28.11 min Scan# 3745

Delta R.T. -0.01 min

Lab File: BE095196.D

Acq: 28 Jan 2018 8:39

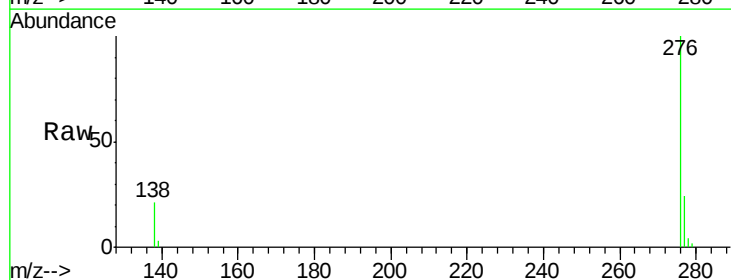
Tgt Ion:276 Resp: 15260

Ion Ratio Lower Upper

276 100

138 21.4 21.8 32.8#

277 24.5 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

