

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
 Data File : BE095239.D
 Acq On : 29 Jan 2018 10:25
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 29 12:14:17 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 08:11:22 2018
 Response via : Initial Calibration

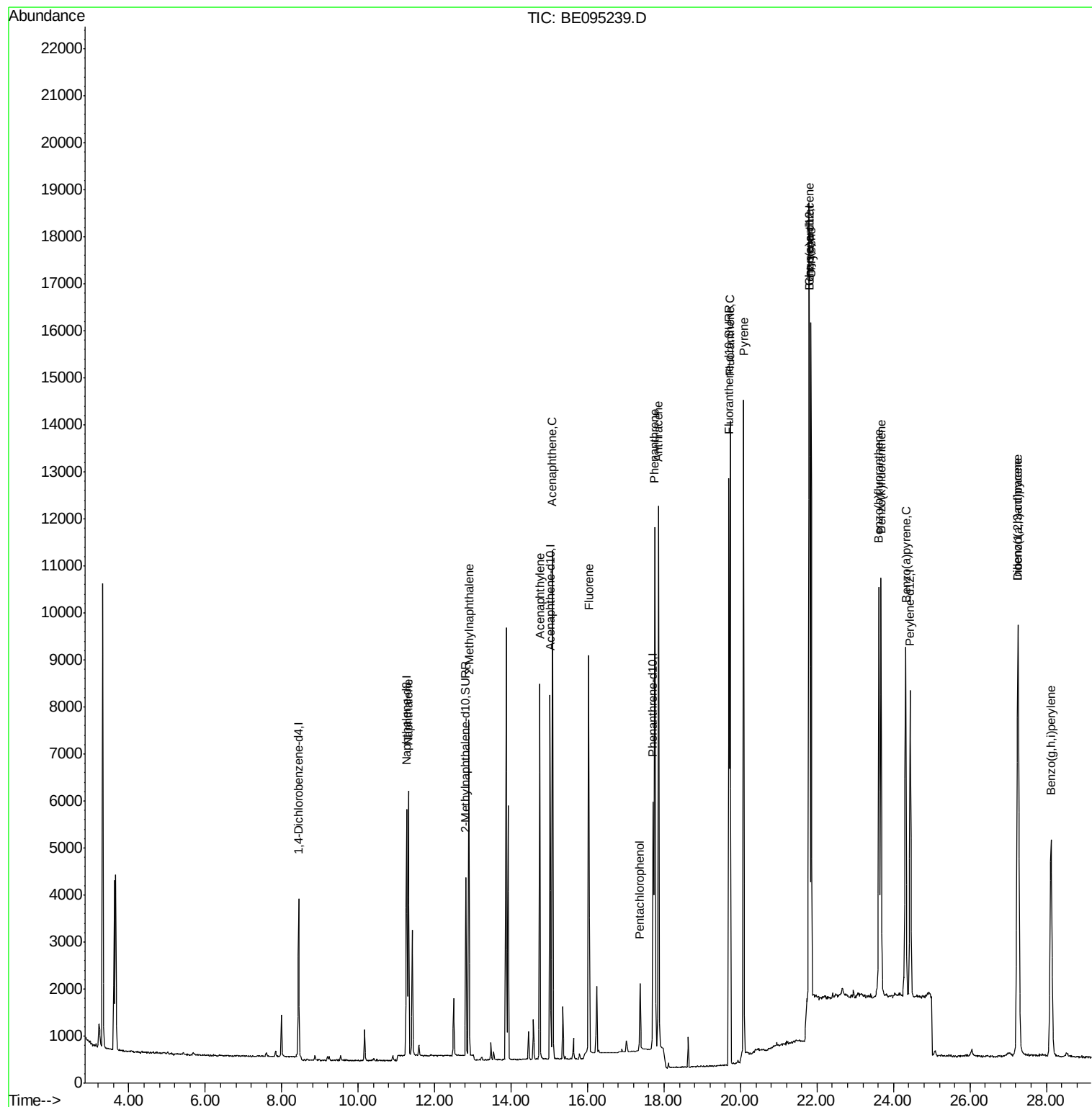
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2391	0.40	ng/ul	0.00
2) Naphthalene-d8	11.27	136	7373	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4348	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	9204	0.40	ng/ul	0.00
16) Chrysene-d12	21.81	240	10164	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	9762	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	5044	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	13721	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	8181	0.396	ng/ul#	88
5) 2-Methylnaphthalene	12.89	142	5759	0.418	ng/ul	100
7) Acenaphthylene	14.75	152	8943	0.427	ng/ul	97
8) Acenaphthene	15.08	153	6557	0.404	ng/ul	94
9) Fluorene	16.03	166	6841	0.409	ng/ul#	75
11) Pentachlorophenol	17.36	266	914	0.513	ng/ul	95
12) Phenanthrene	17.75	178	12726	0.411	ng/ul#	86
13) Anthracene	17.85	178	13063	0.461	ng/ul#	91
15) Fluoranthene	19.73	202	15191	0.379	ng/ul	82
17) Pyrene	20.08	202	15304	0.449	ng/ul#	78
18) Benzo(a)anthracene	21.79	228	14112	0.444	ng/ul#	86
19) Chrysene	21.84	228	13369	0.405	ng/ul	96
21) Benzo(b)fluoranthene	23.62	252	12716	0.369	ng/ul	87
22) Benzo(k)fluoranthene	23.67	252	12673	0.402	ng/ul#	89
23) Benzo(a)pyrene	24.32	252	12463	0.405	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	27.24	276	13941	0.413	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.27	278	11395	0.413	ng/ul	91
26) Benzo(g,h,i)perylene	28.12	276	11734	0.411	ng/ul	95

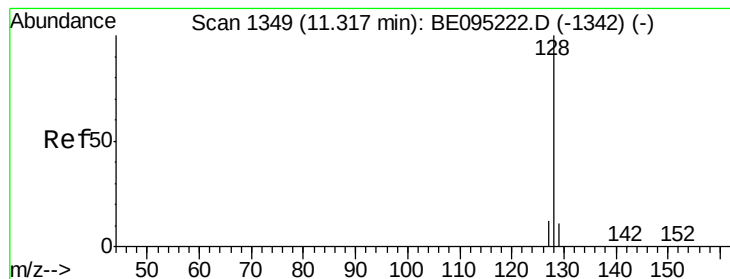
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.396 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

Instrument :

BNA_E

ClientSampleId :

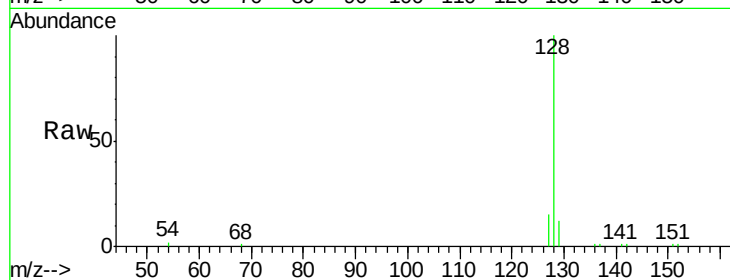
Tot Ion:128 Resp: 8181

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

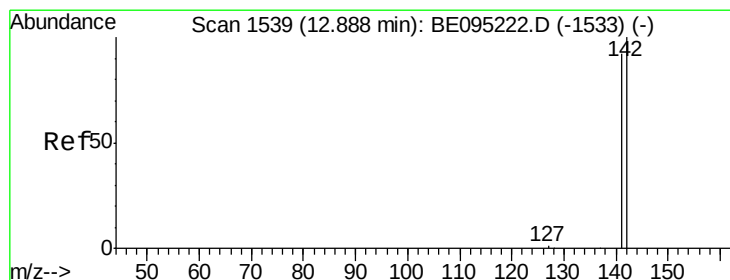
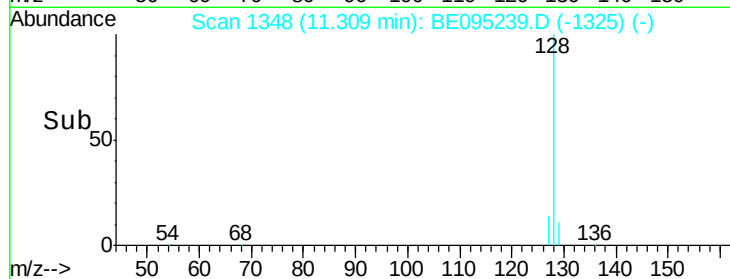
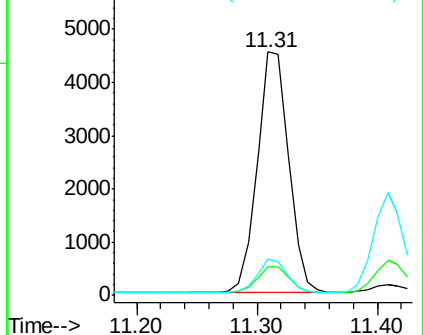
127 14.8 4.0 6.0#



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: 0.418 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BE095239.D

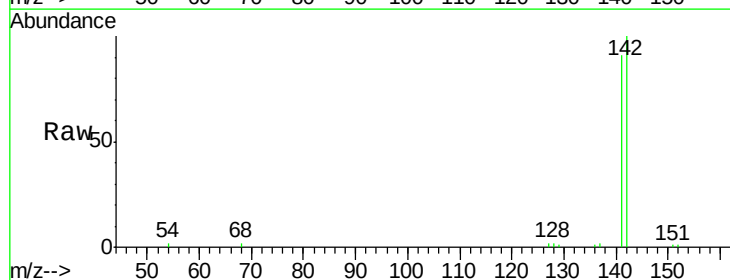
Acq: 29 Jan 2018 10:25

Tgt Ion:142 Resp: 5759

Ion Ratio Lower Upper

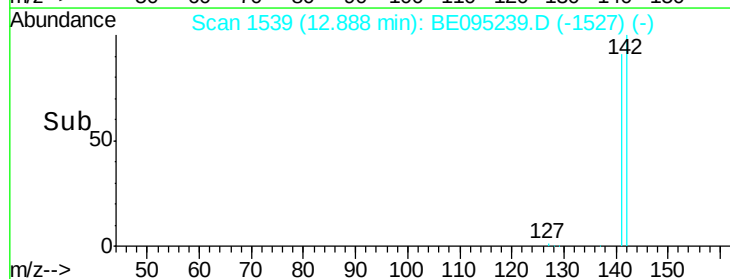
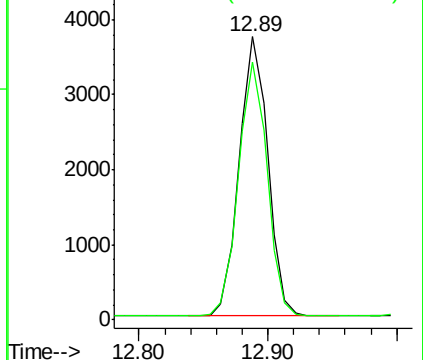
142 100

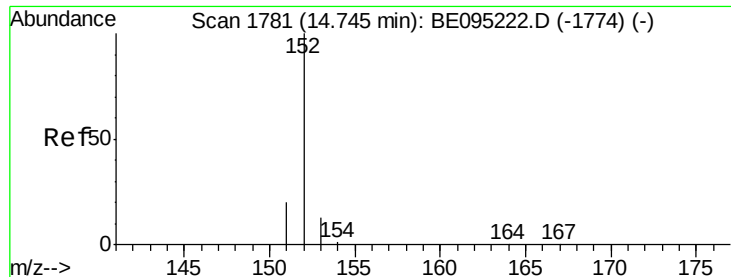
141 91.1 72.6 108.8



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: BE095239.D

Acq: 29 Jan 2018 10:25

Instrument :

BNA_E

ClientSampleId :

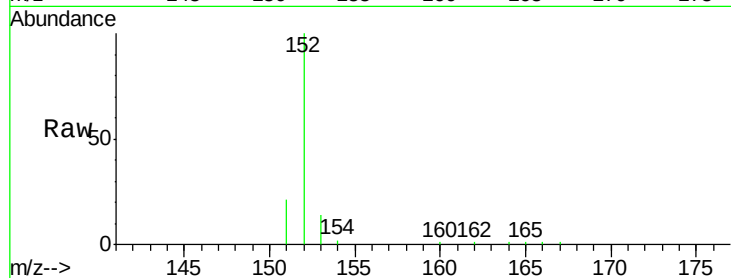
Tot Ion:152 Resp: 8943

Ion Ratio Lower Upper

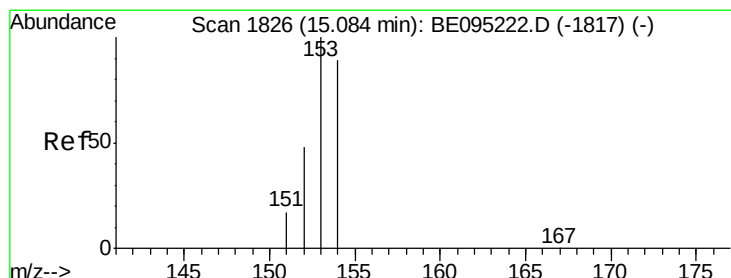
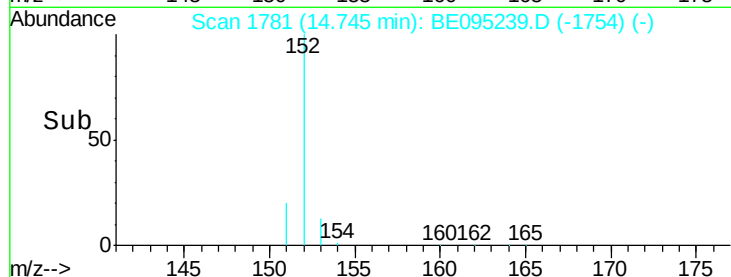
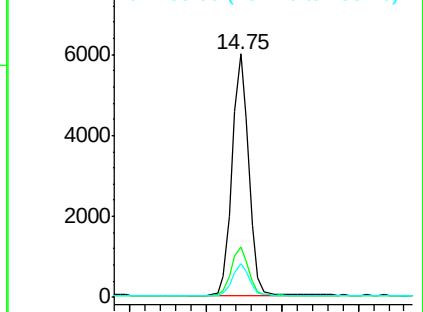
152 100

151 20.5 17.1 25.7

153 14.0 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: 0.404 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

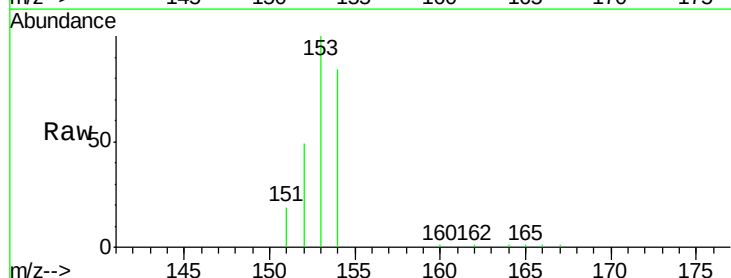
Tgt Ion:153 Resp: 6557

Ion Ratio Lower Upper

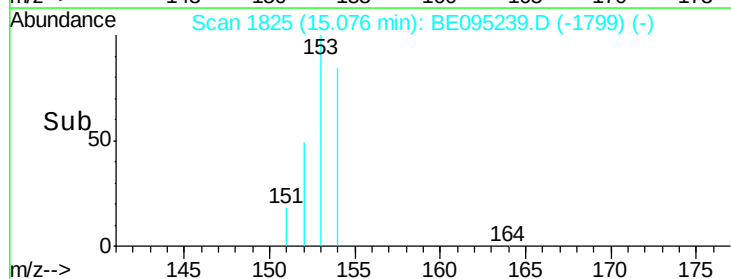
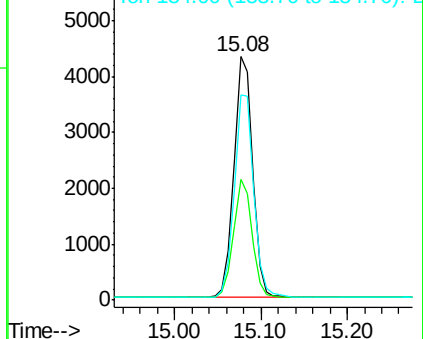
153 100

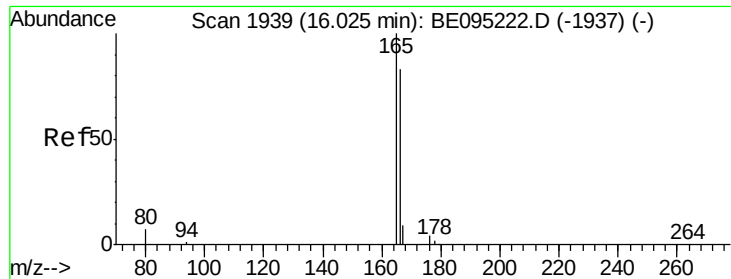
152 49.4 36.0 54.0

154 84.2 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: 0.409 ng/ul

RT: 16.03 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

Instrument :

BNA_E

ClientSampleId :

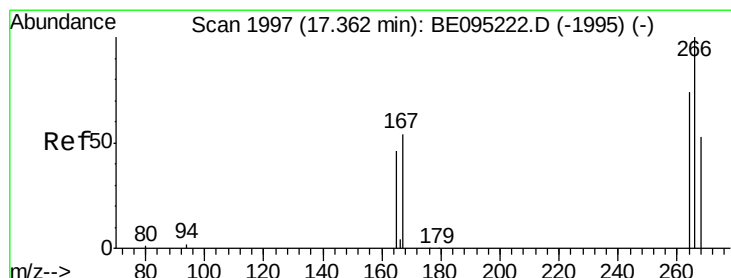
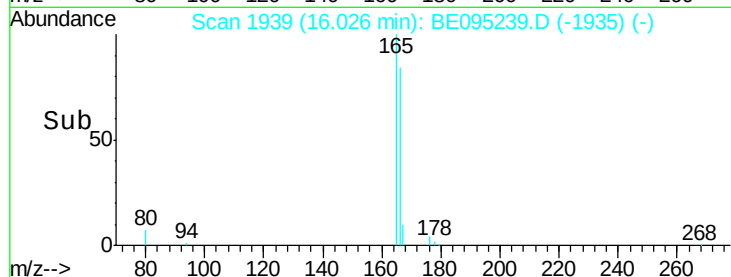
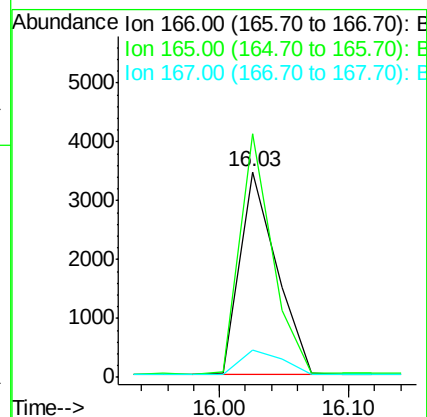
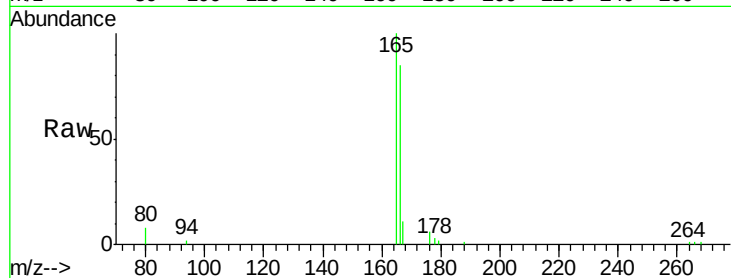
Tot Ion:166 Resp: 6841

Ion Ratio Lower Upper

166 100

165 118.3 73.4 110.2#

167 13.0 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.513 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

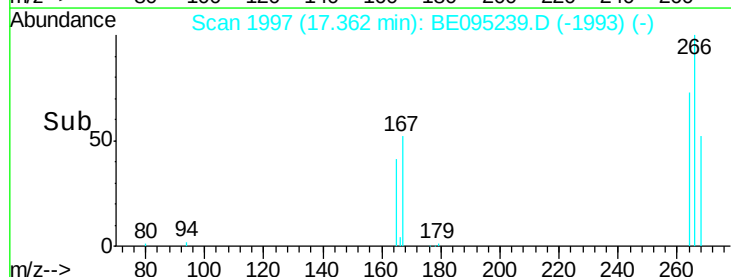
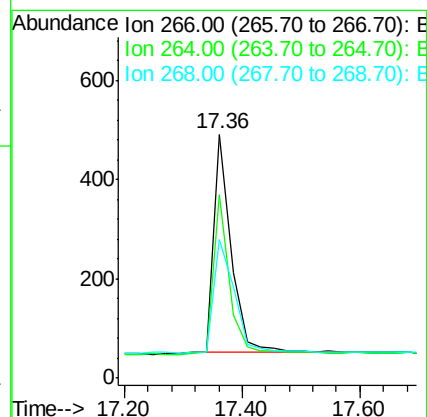
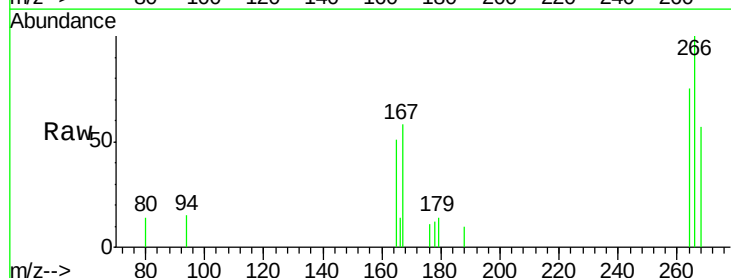
Tgt Ion:266 Resp: 914

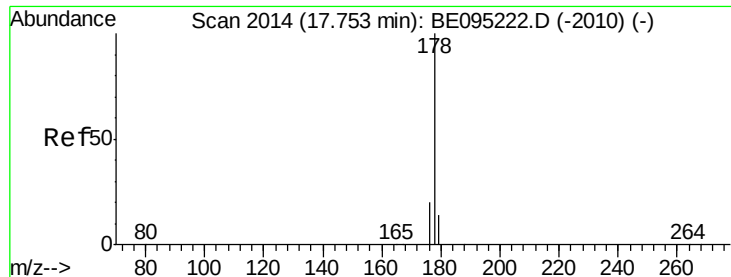
Ion Ratio Lower Upper

266 100

264 66.3 47.9 71.9

268 60.8 49.8 74.8





#12

Phenanthrene

Concen: 0.411 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

Instrument :

BNA_E

ClientSampleId :

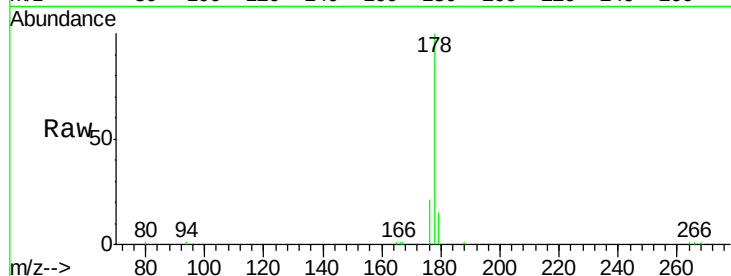
Tot Ion:178 Resp: 12726

Ion Ratio Lower Upper

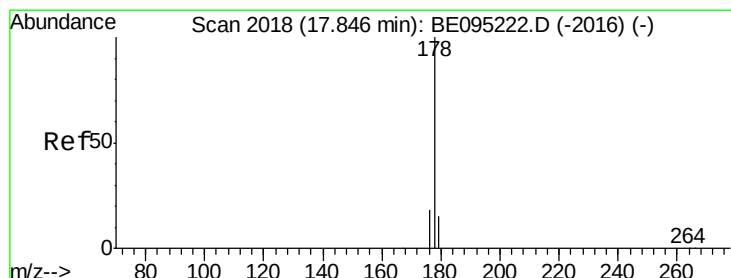
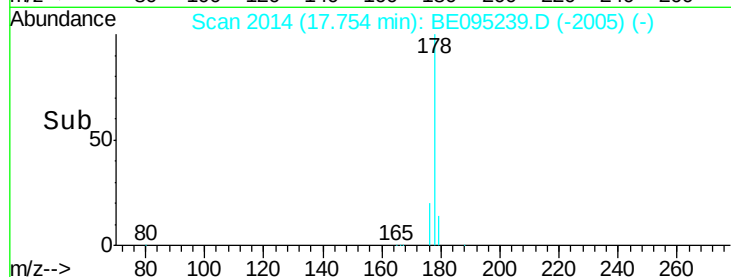
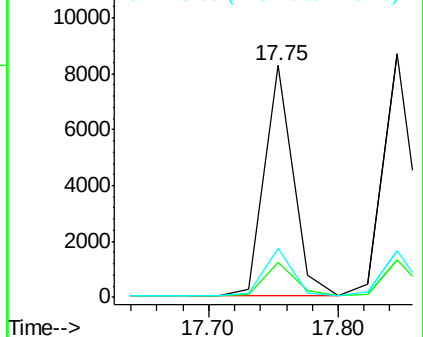
178 100

179 14.8 18.4 27.6#

176 20.9 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: 0.461 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

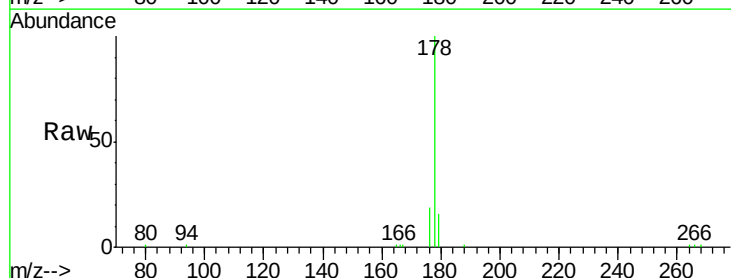
Tgt Ion:178 Resp: 13063

Ion Ratio Lower Upper

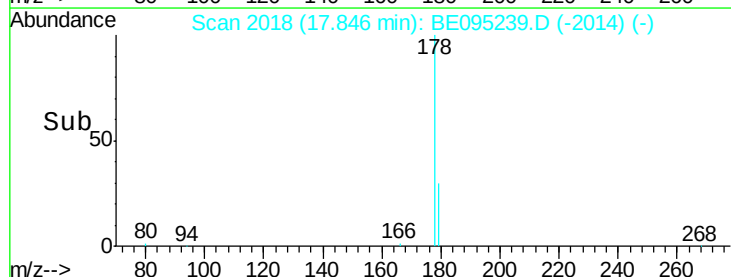
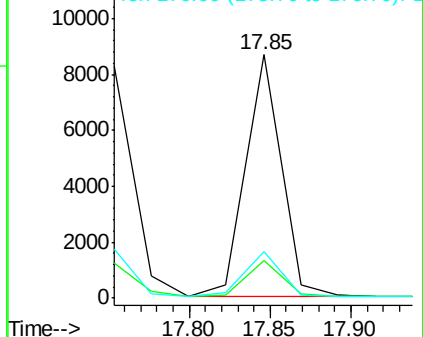
178 100

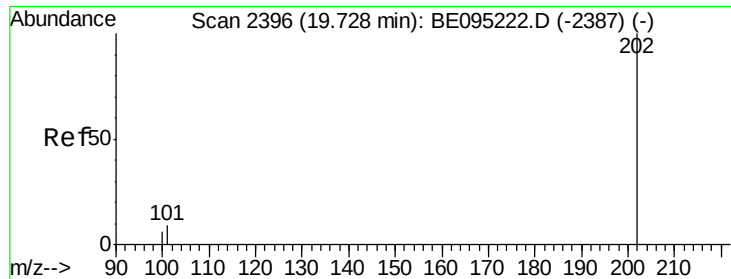
179 15.5 18.1 27.1#

176 19.0 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: 0.379 ng/ul

RT: 19.73 min Scan# 2396

Delta R.T. 0.00 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

Instrument :

BNA_E

ClientSampleId :

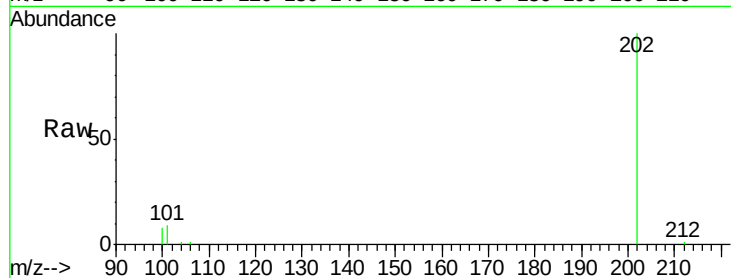
Tot Ion:202 Resp: 15191

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.3

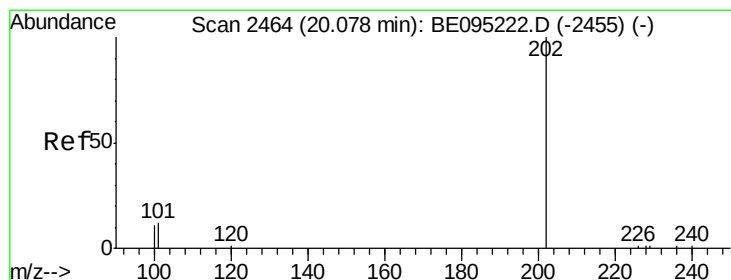
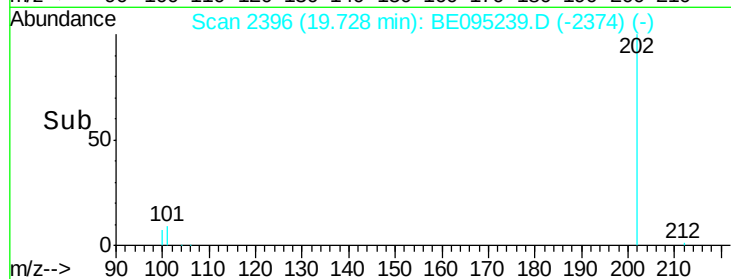
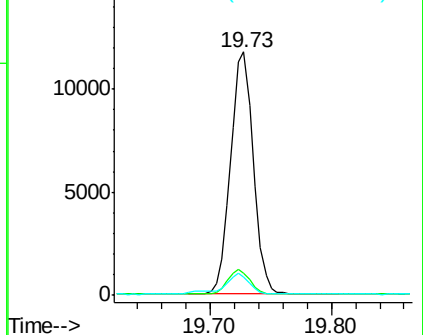
100 7.7 0.0 39.5



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: 0.449 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

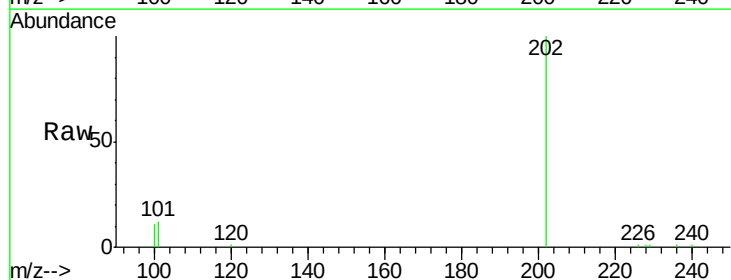
Tgt Ion:202 Resp: 15304

Ion Ratio Lower Upper

202 100

101 11.5 18.2 27.4#

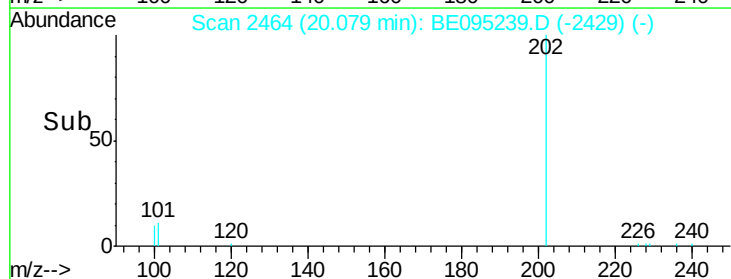
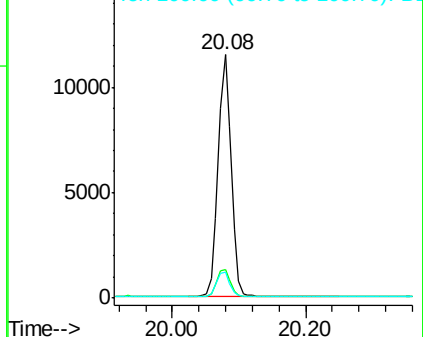
100 10.6 15.6 23.4#

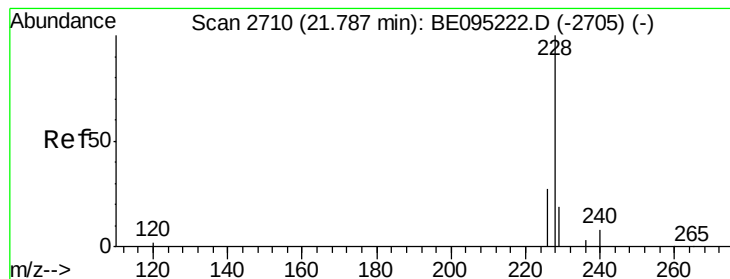


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.444 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. 0.00 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

Instrument :

BNA_E

ClientSampleId :

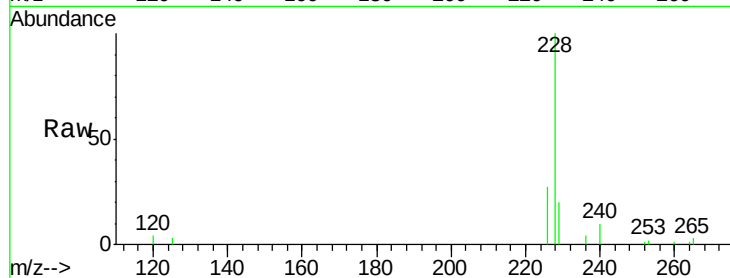
Tot Ion:228 Resp: 14112

Ion Ratio Lower Upper

228 100

229 20.4 22.8 34.2#

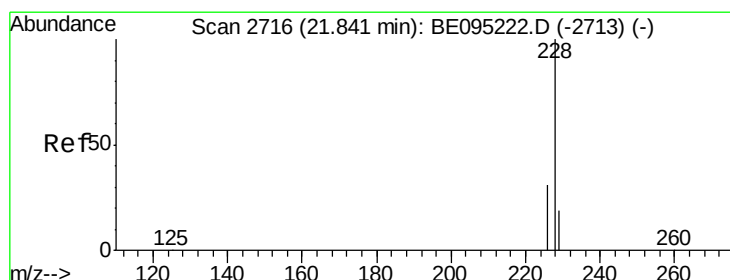
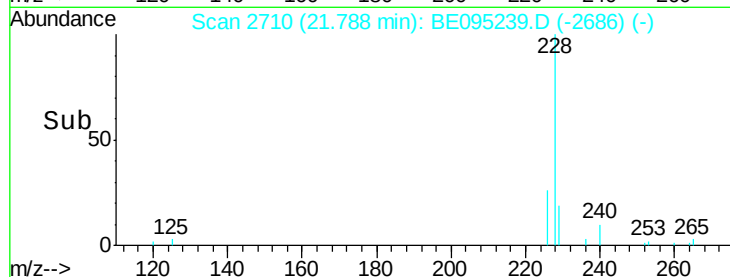
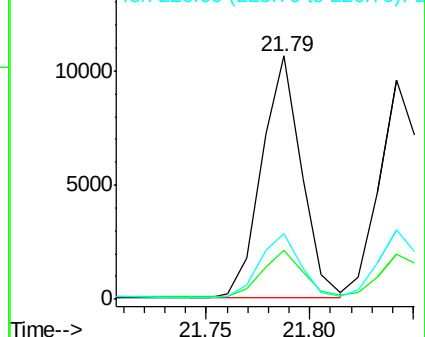
226 26.9 17.0 25.6#



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: 0.405 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. 0.00 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

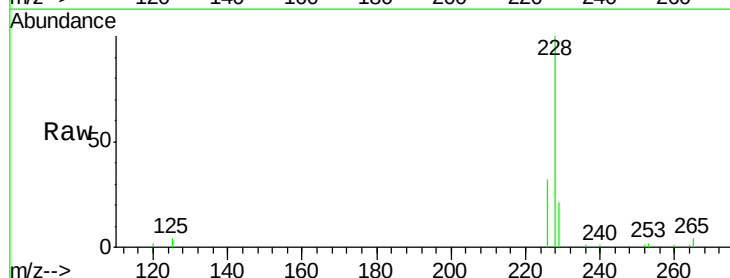
Tgt Ion:228 Resp: 13369

Ion Ratio Lower Upper

228 100

226 31.7 23.4 35.0

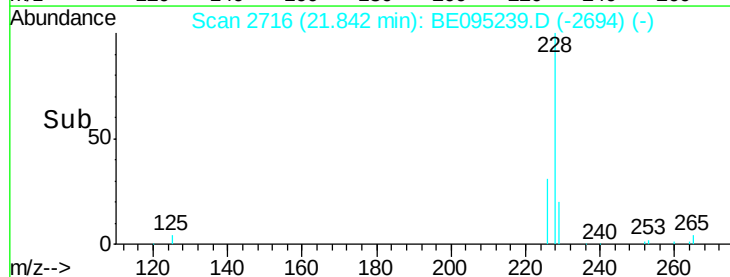
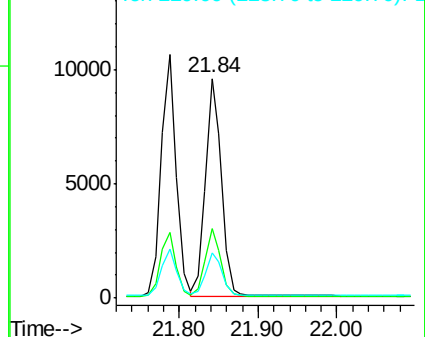
229 20.6 17.7 26.5

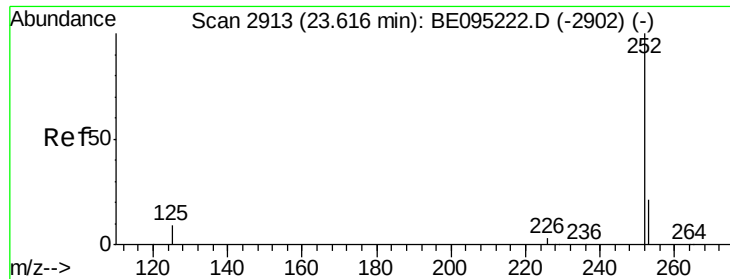


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.369 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

Instrument :

BNA_E

ClientSampleId :

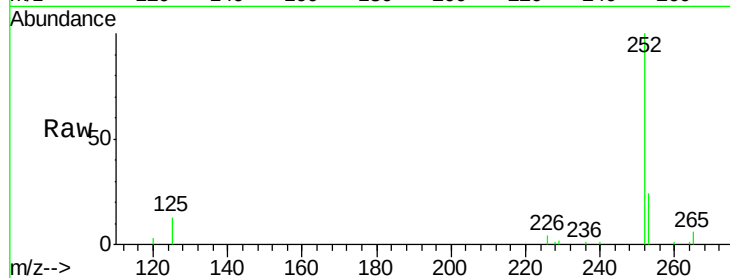
Tot Ion:252 Resp: 12716

Ion Ratio Lower Upper

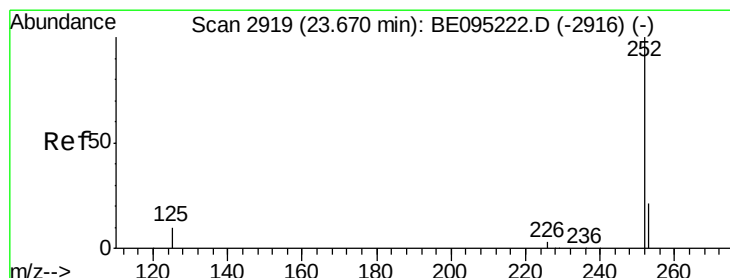
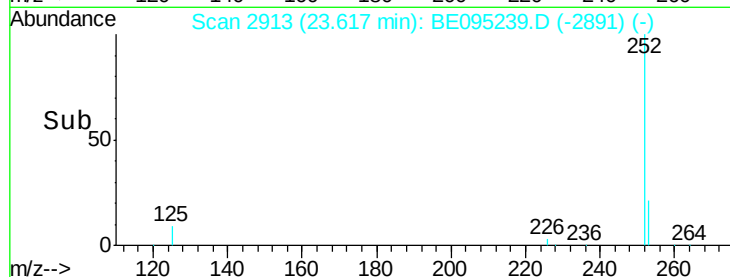
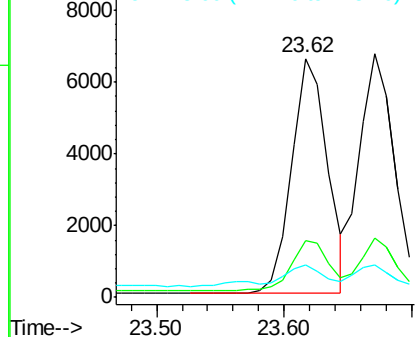
252 100

253 23.5 0.0 64.2

125 13.4 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: 0.402 ng/ul

RT: 23.67 min Scan# 2919

Delta R.T. 0.00 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

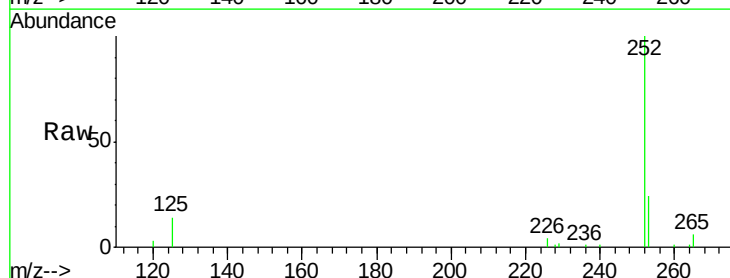
Tgt Ion:252 Resp: 12673

Ion Ratio Lower Upper

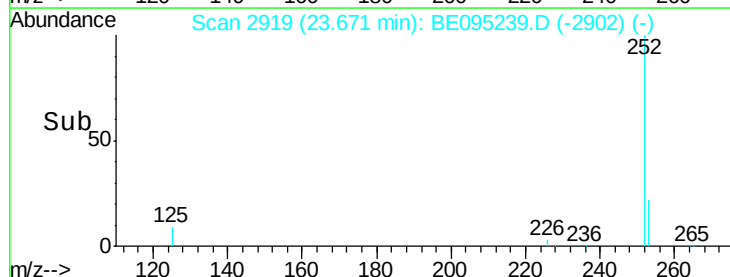
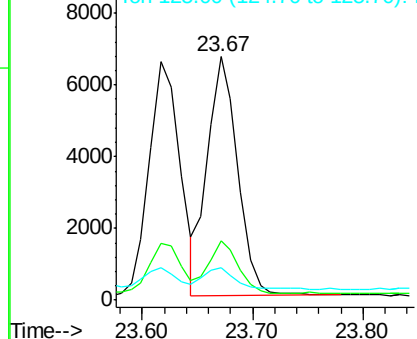
252 100

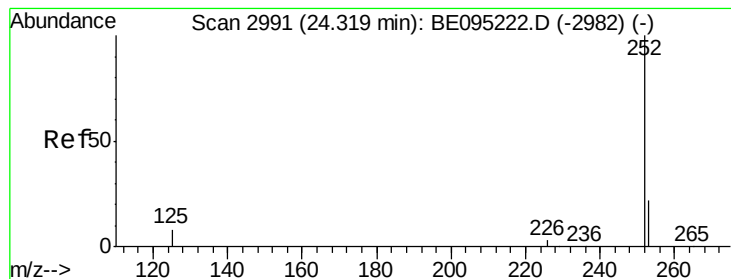
253 24.2 24.5 36.7#

125 13.5 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: 0.405 ng/ul

RT: 24.32 min Scan# 2991

Delta R.T. 0.00 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

Instrument :

BNA_E

ClientSampleId :

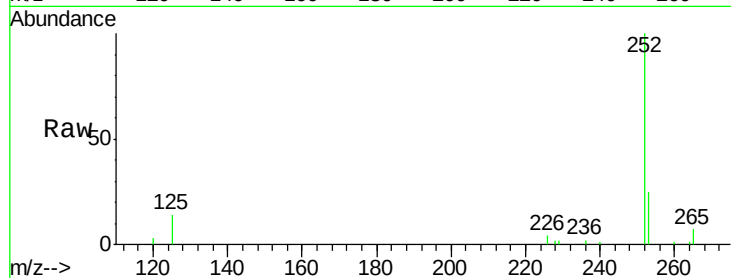
Tot Ion:252 Resp: 12463

Ion Ratio Lower Upper

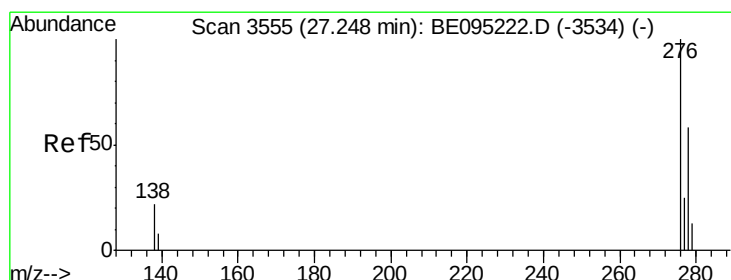
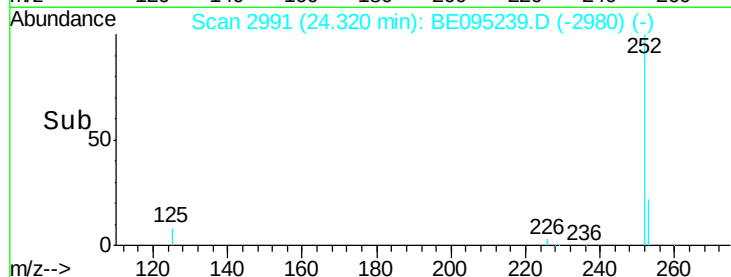
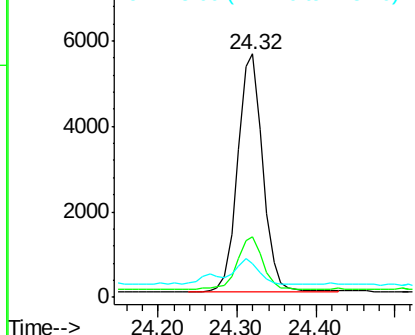
252 100

253 24.9 28.5 42.7#

125 13.8 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: 0.413 ng/ul

RT: 27.24 min Scan# 3554

Delta R.T. -0.00 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

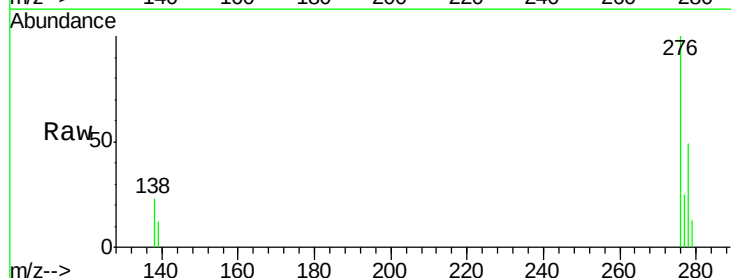
Tgt Ion:276 Resp: 13941

Ion Ratio Lower Upper

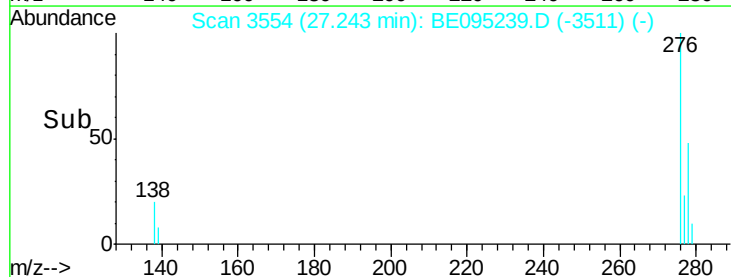
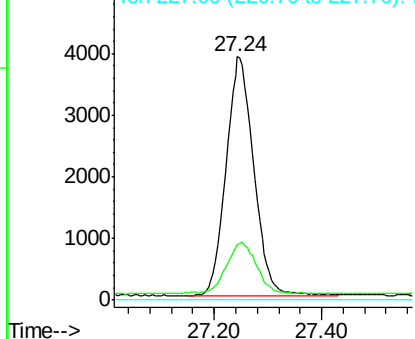
276 100

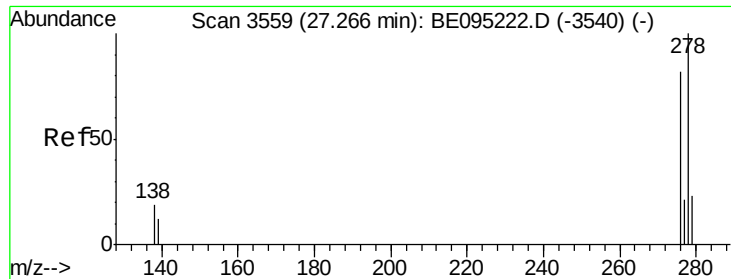
138 23.3 28.0 42.0#

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

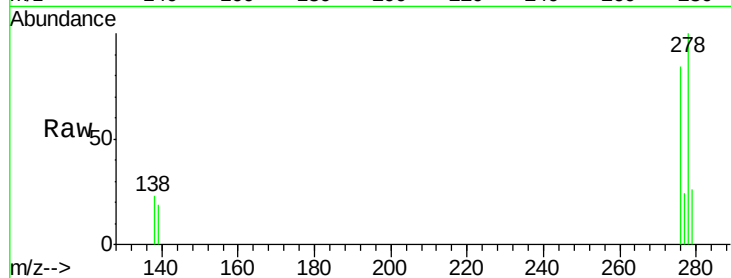
Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

Instrument :

BNA_E

ClientSampleId :



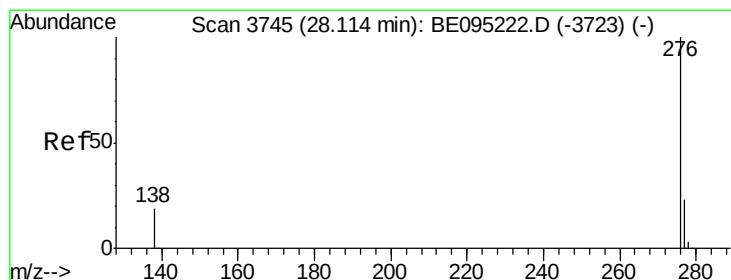
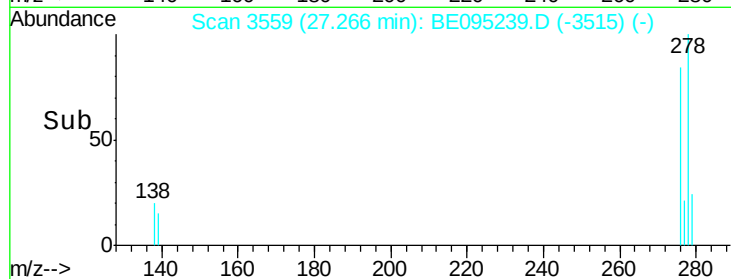
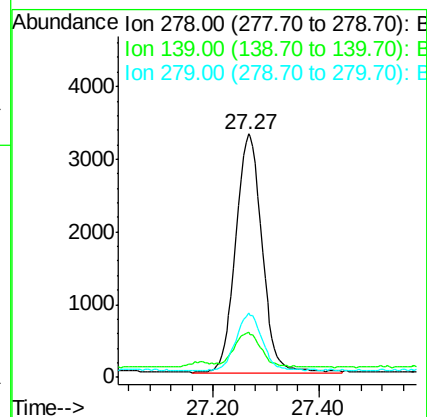
Tot Ion:278 Resp: 11395

Ion Ratio Lower Upper

278 100

139 18.6 17.4 26.0

279 26.3 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 0.411 ng/ul

RT: 28.12 min Scan# 3746

Delta R.T. 0.00 min

Lab File: BE095239.D

Acq: 29 Jan 2018 10:25

Tgt Ion:276 Resp: 11734

Ion Ratio Lower Upper

276 100

138 22.5 21.8 32.8

277 25.9 20.5 30.7

