

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095320.D
 Acq On : 31 Jan 2018 16:46
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 31 17:30:41 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 11:55:47 2018
 Response via : Initial Calibration

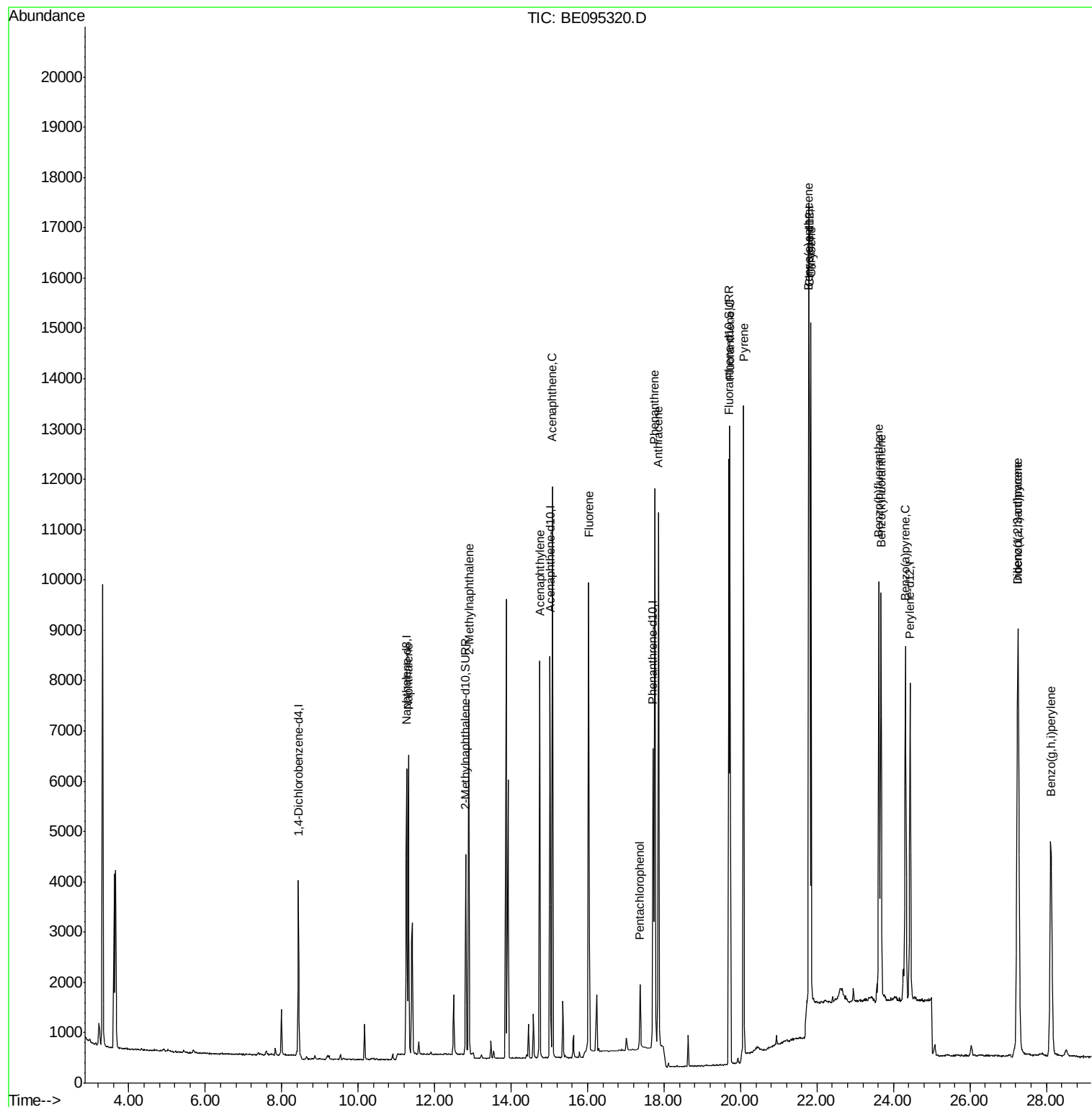
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2402	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	7358	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4384	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	9310	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	9724	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	9427	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	5061	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	12863	0.36	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	8257	0.401	ng/ul#	88
5) 2-Methylnaphthalene	12.89	142	5897	0.429	ng/ul	100
7) Acenaphthylene	14.74	152	9049	0.429	ng/ul	96
8) Acenaphthene	15.08	153	6499	0.397	ng/ul	95
9) Fluorene	16.03	166	7077	0.419	ng/ul#	80
11) Pentachlorophenol	17.36	266	868	0.481	ng/ul	96
12) Phenanthrene	17.75	178	12485	0.399	ng/ul#	88
13) Anthracene	17.85	178	12234	0.427	ng/ul#	92
15) Fluoranthene	19.72	202	14292	0.353	ng/ul	84
17) Pyrene	20.08	202	15476	0.474	ng/ul#	79
18) Benzo(a)anthracene	21.79	228	13341	0.439	ng/ul#	86
19) Chrysene	21.84	228	12548	0.397	ng/ul	96
21) Benzo(b)fluoranthene	23.62	252	12200	0.367	ng/ul	87
22) Benzo(k)fluoranthene	23.67	252	12128	0.399	ng/ul#	89
23) Benzo(a)pyrene	24.32	252	11778	0.397	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	27.25	276	13292	0.408	ng/ul#	81
25) Dibenzo(a,h)anthracene	27.27	278	10816	0.406	ng/ul#	90
26) Benzo(g,h,i)perylene	28.12	276	11129	0.404	ng/ul	94

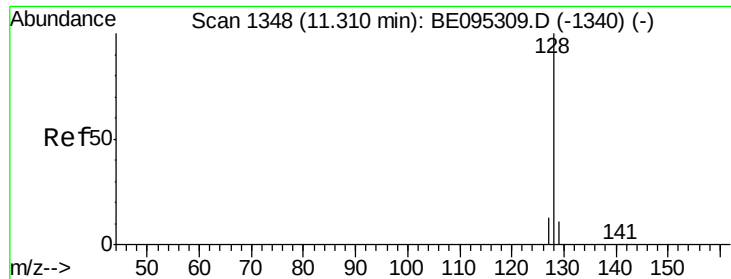
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.401 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

Instrument :

BNA_E

ClientSampleId :

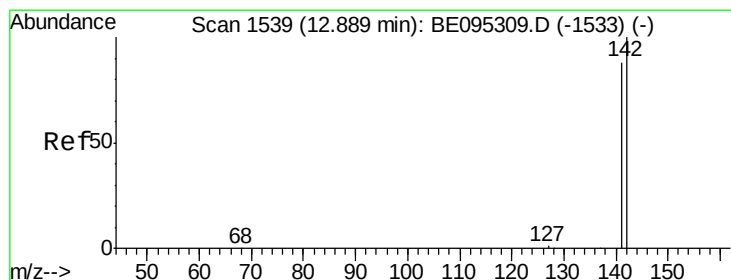
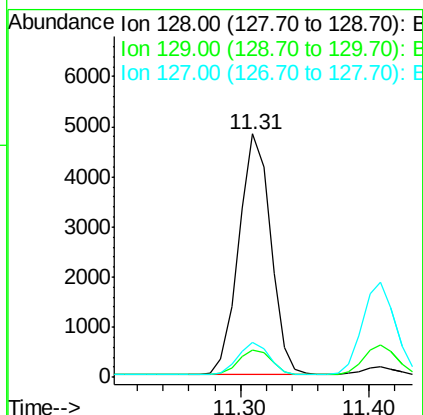
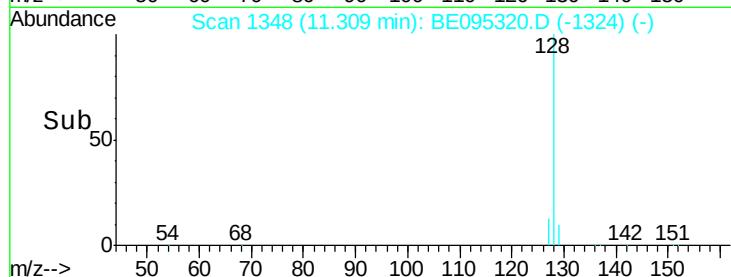
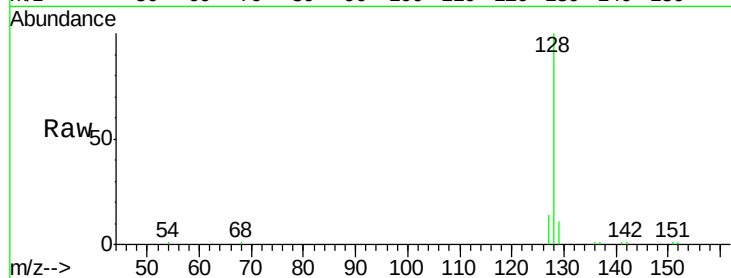
Tot Ion:128 Resp: 8257

Ion Ratio Lower Upper

128 100

129 11.4 11.3 16.9

127 14.2 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.429 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BE095320.D

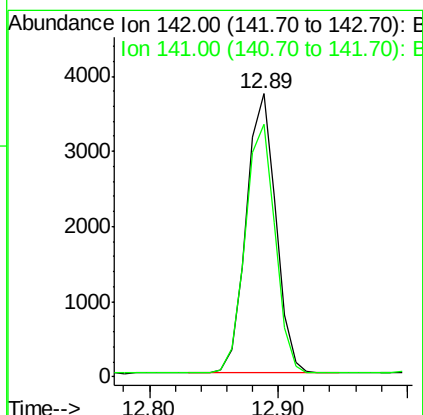
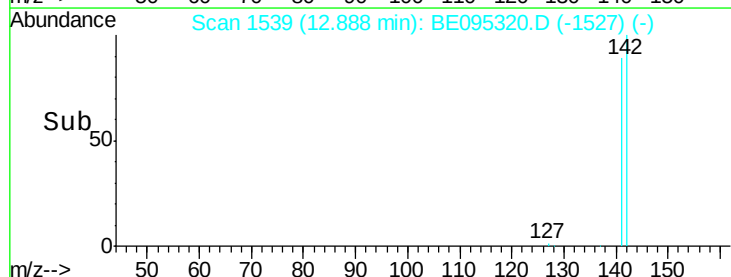
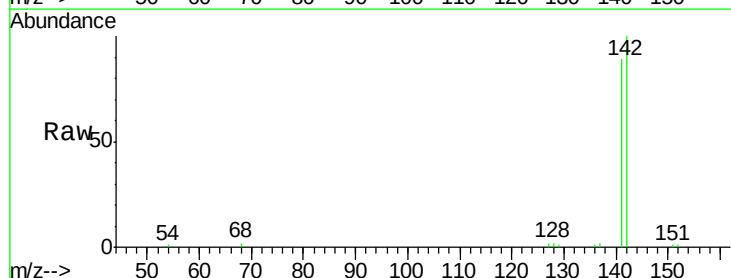
Acq: 31 Jan 2018 16:46

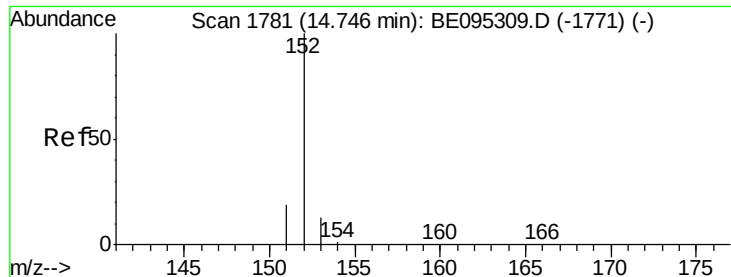
Tgt Ion:142 Resp: 5897

Ion Ratio Lower Upper

142 100

141 90.5 72.6 108.8





#7

Acenaphthylene

Concen: 0.429 ng/ul

RT: 14.74 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

Instrument :

BNA_E

ClientSampleId :

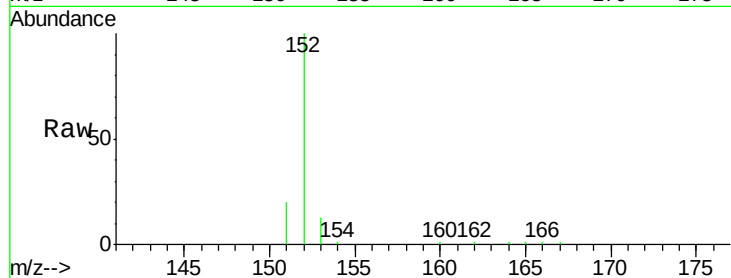
Tot Ion:152 Resp: 9049

Ion Ratio Lower Upper

152 100

151 20.1 17.1 25.7

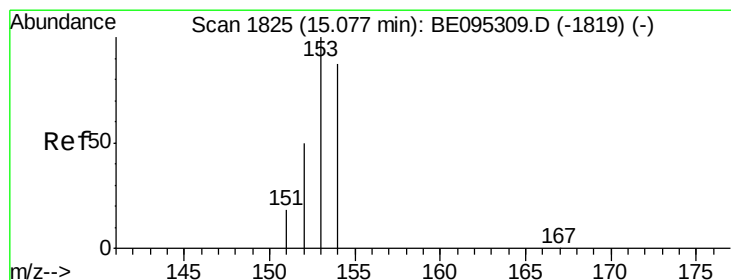
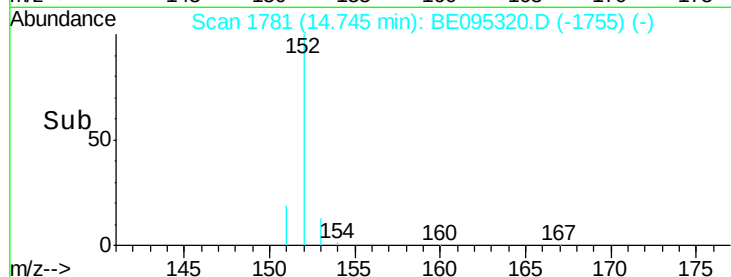
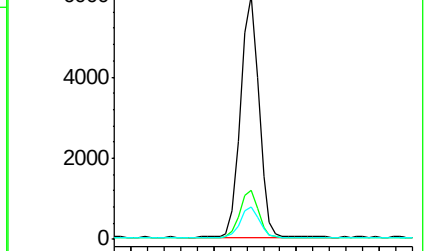
153 13.4 12.8 19.2



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: 0.397 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

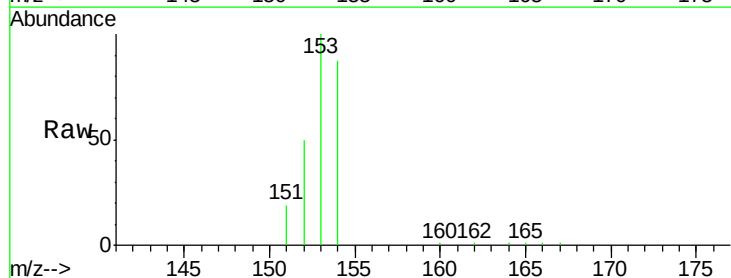
Tgt Ion:153 Resp: 6499

Ion Ratio Lower Upper

153 100

152 49.9 36.0 54.0

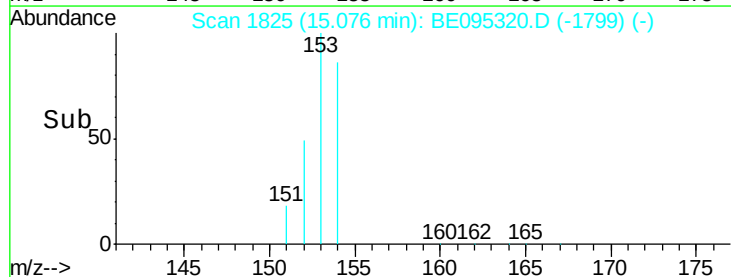
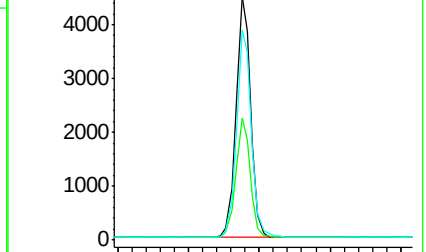
154 86.6 72.0 108.0

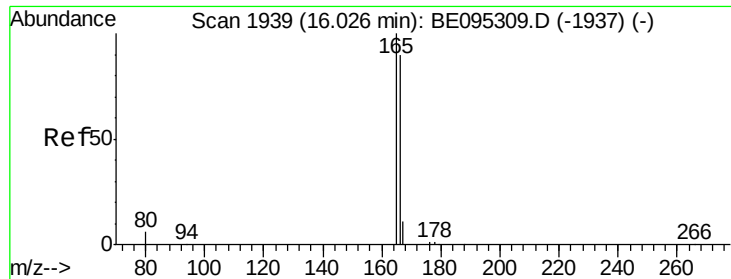


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.419 ng/ul

RT: 16.03 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

Instrument :

BNA_E

ClientSampleId :

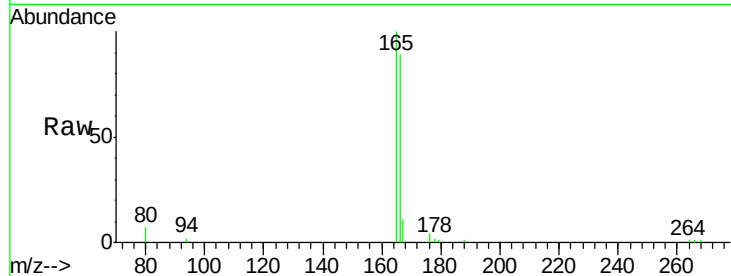
Tot Ion:166 Resp: 7077

Ion Ratio Lower Upper

166 100

165 112.7 73.4 110.2#

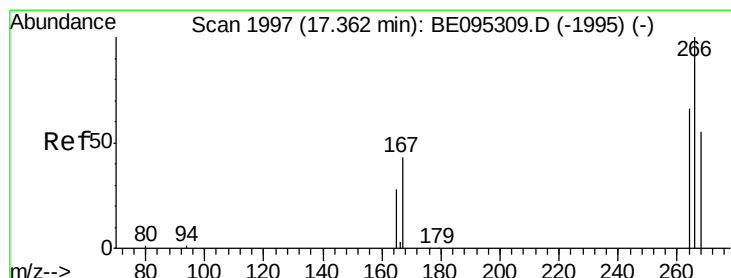
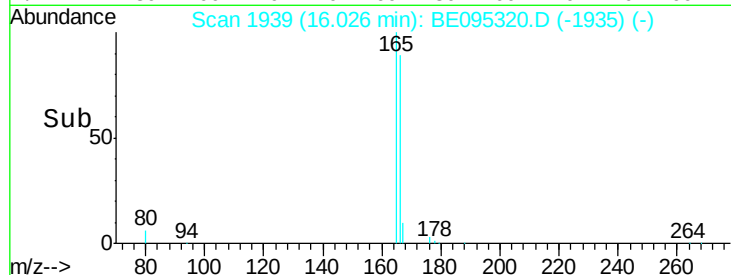
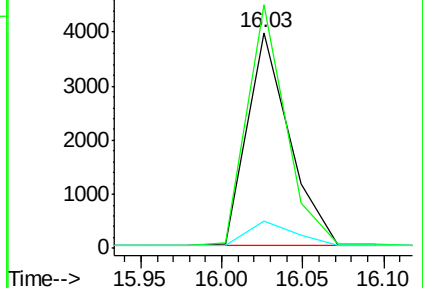
167 12.5 14.6 22.0#



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: 0.481 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

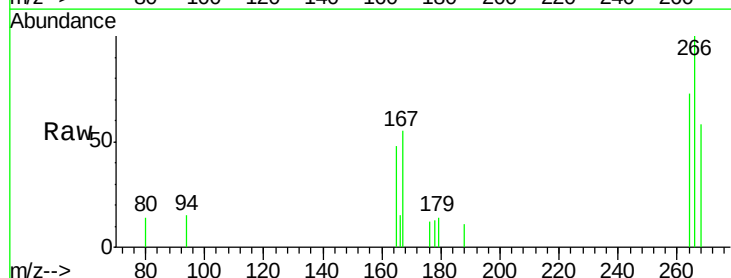
Tgt Ion:266 Resp: 868

Ion Ratio Lower Upper

266 100

264 66.2 47.9 71.9

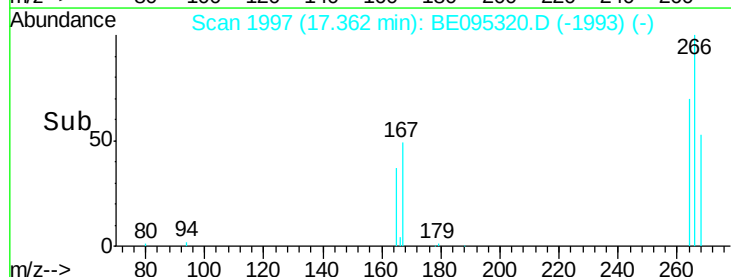
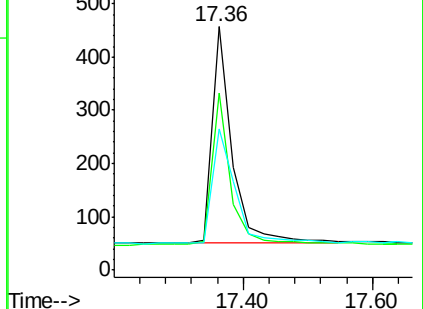
268 62.1 49.8 74.8

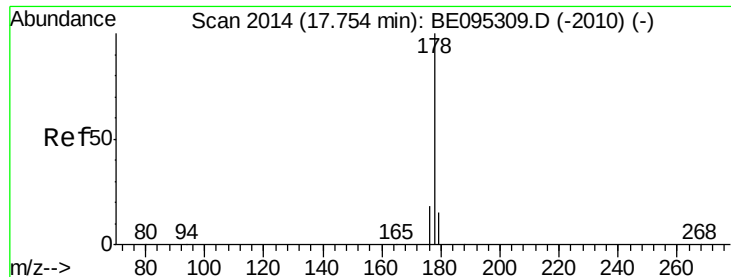


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.399 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

Instrument :

BNA_E

ClientSampleId :

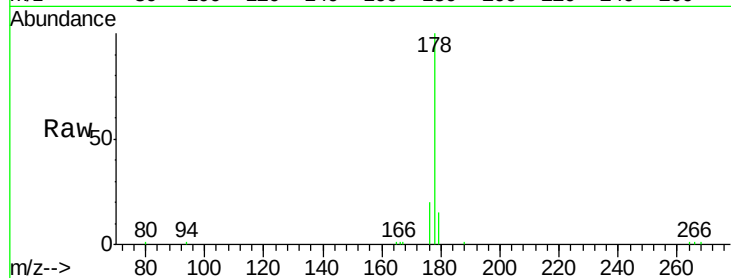
Tot Ion:178 Resp: 12485

Ion Ratio Lower Upper

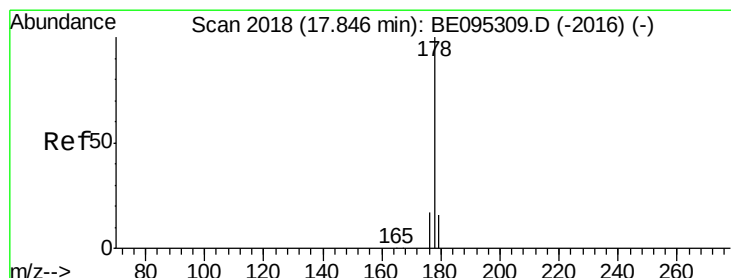
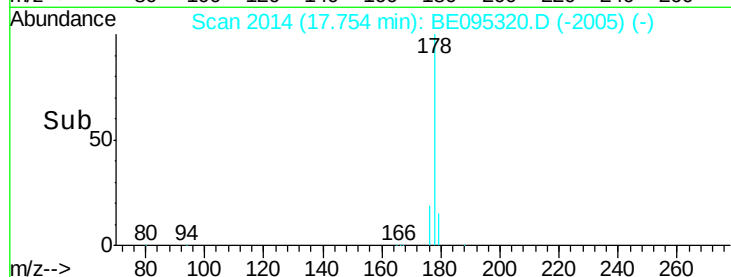
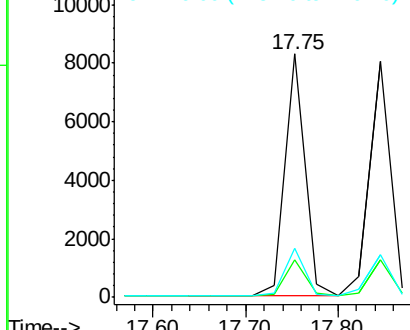
178 100

179 15.4 18.4 27.6#

176 19.9 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: 0.427 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

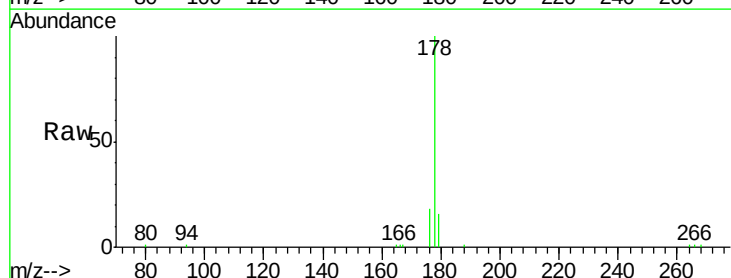
Tgt Ion:178 Resp: 12234

Ion Ratio Lower Upper

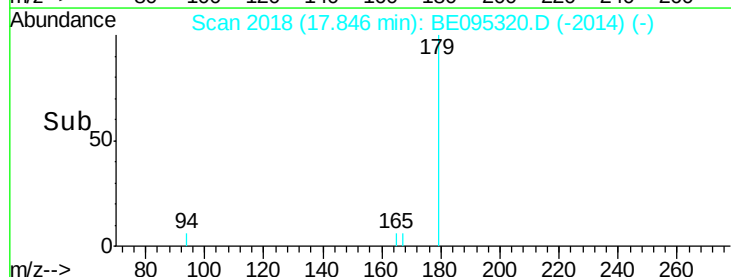
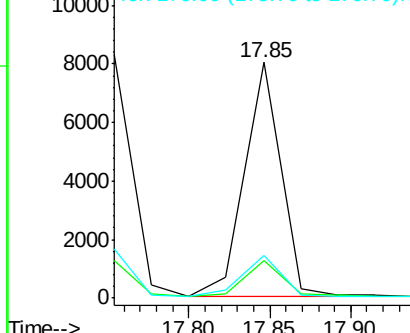
178 100

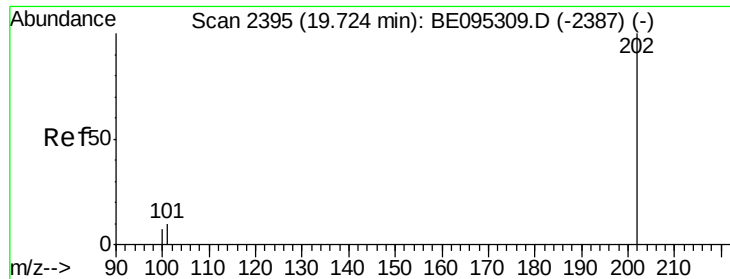
179 16.2 18.1 27.1#

176 18.2 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: 0.353 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

Instrument :

BNA_E

ClientSampleId :

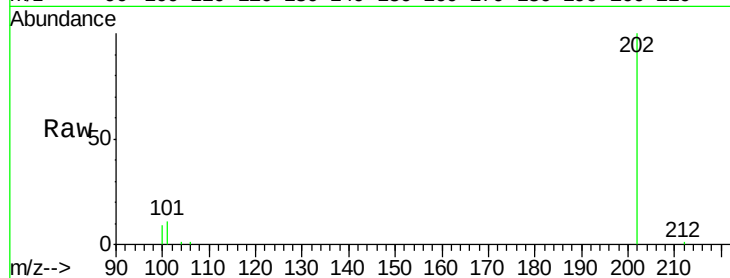
Tot Ion:202 Resp: 14292

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.3

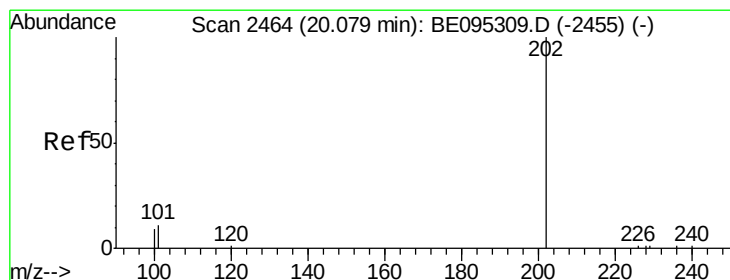
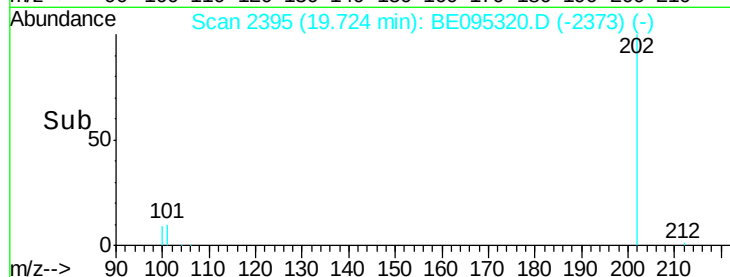
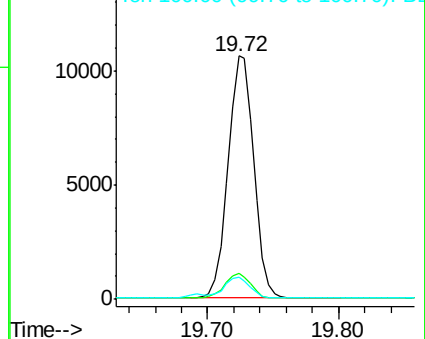
100 8.9 0.0 39.5



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: 0.474 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. -0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

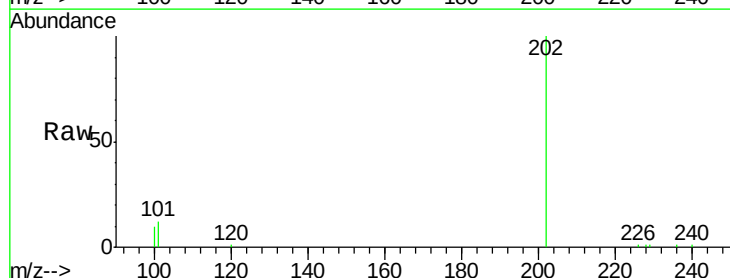
Tgt Ion:202 Resp: 15476

Ion Ratio Lower Upper

202 100

101 12.2 18.2 27.4#

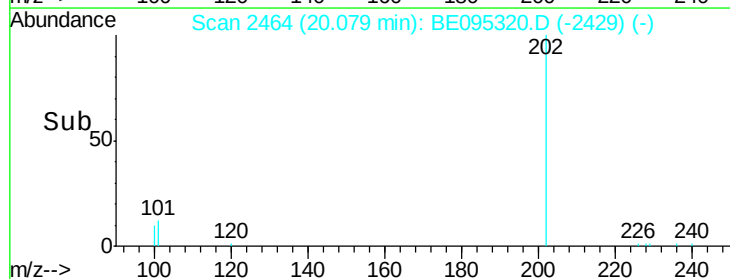
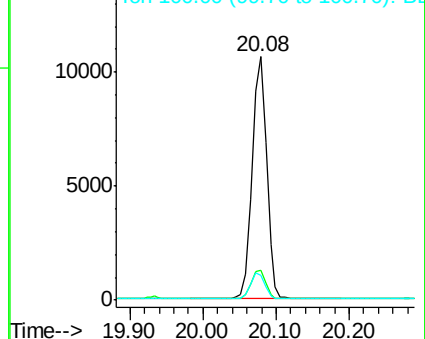
100 10.2 15.6 23.4#

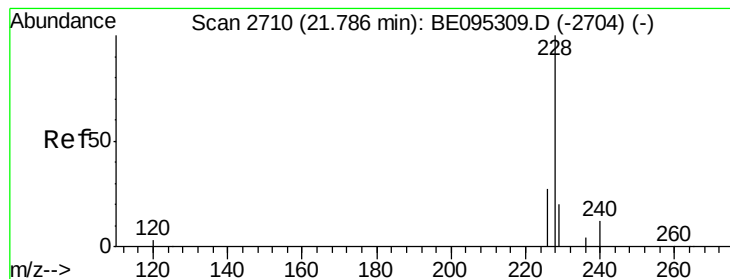


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.439 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. 0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

Instrument :

BNA_E

ClientSampleId :

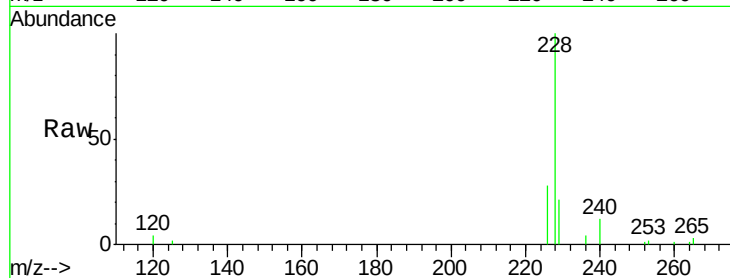
Tot Ion:228 Resp: 13341

Ion Ratio Lower Upper

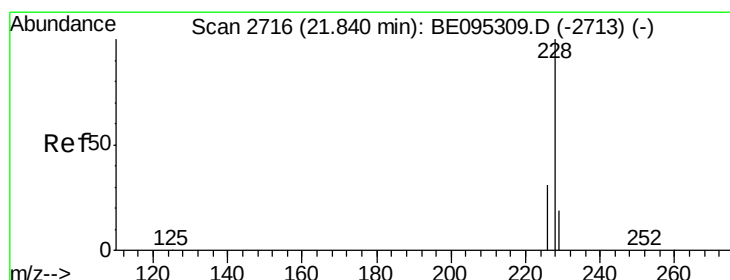
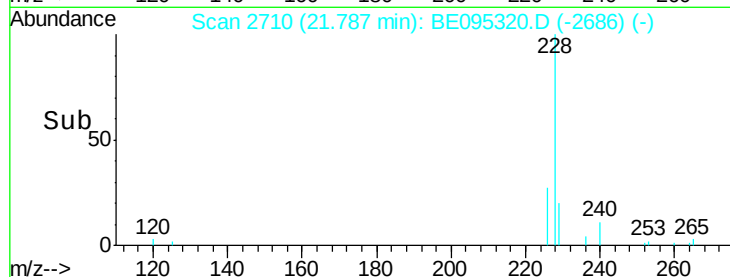
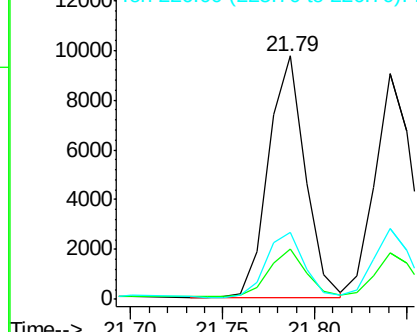
228 100

229 20.9 22.8 34.2#

226 27.7 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: 0.397 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. 0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

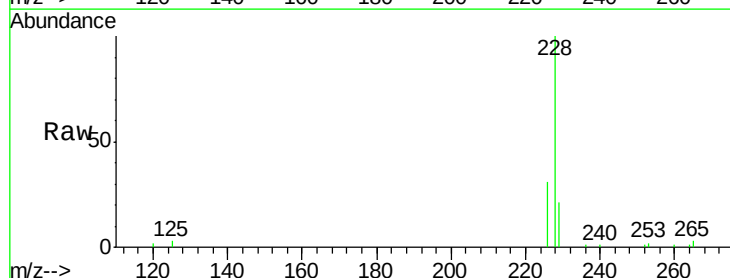
Tgt Ion:228 Resp: 12548

Ion Ratio Lower Upper

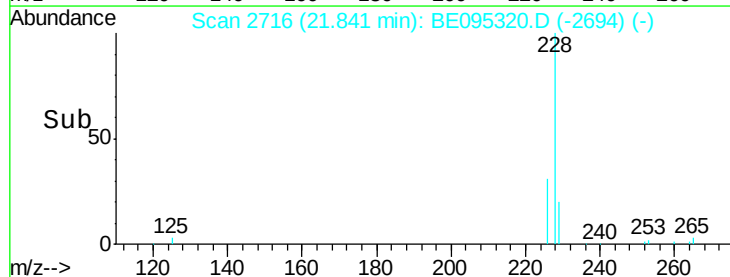
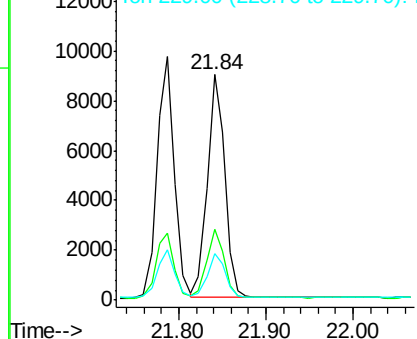
228 100

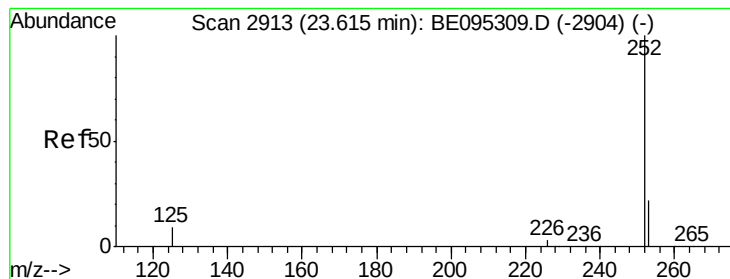
226 31.4 23.4 35.0

229 20.8 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: 0.367 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

Instrument :

BNA_E

ClientSampleId :

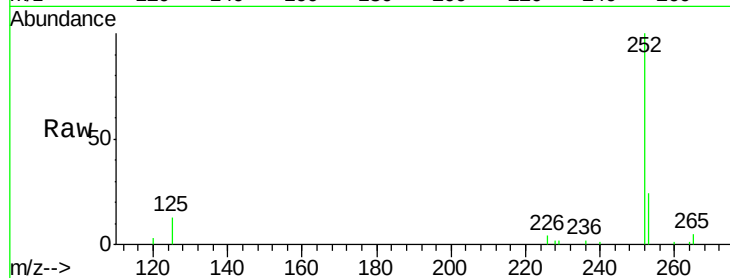
Tot Ion:252 Resp: 12200

Ion Ratio Lower Upper

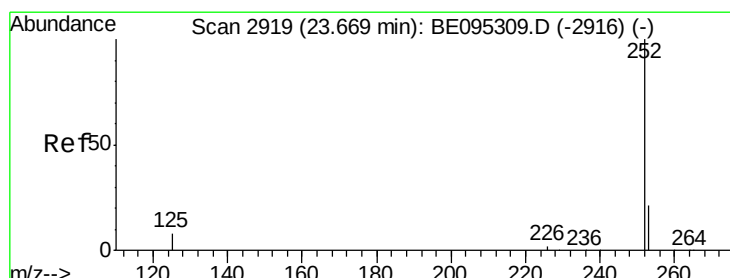
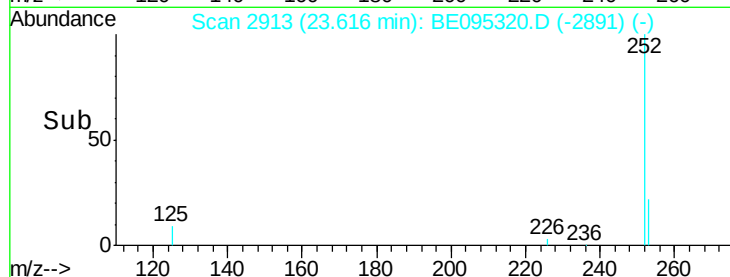
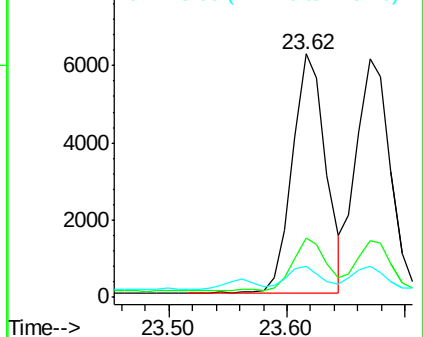
252 100

253 24.4 0.0 64.2

125 12.7 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: 0.399 ng/ul

RT: 23.67 min Scan# 2919

Delta R.T. 0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

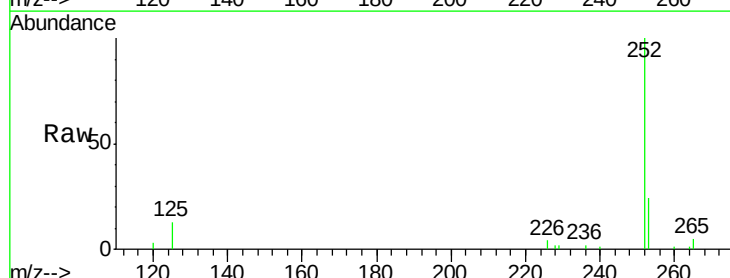
Tgt Ion:252 Resp: 12128

Ion Ratio Lower Upper

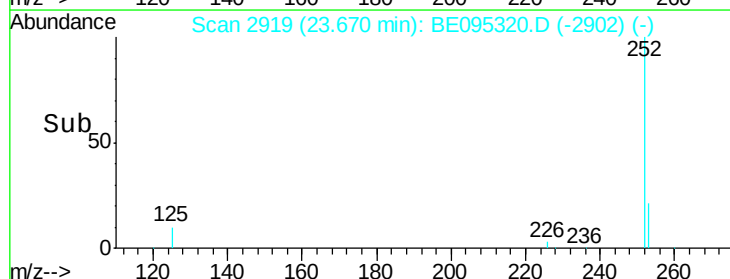
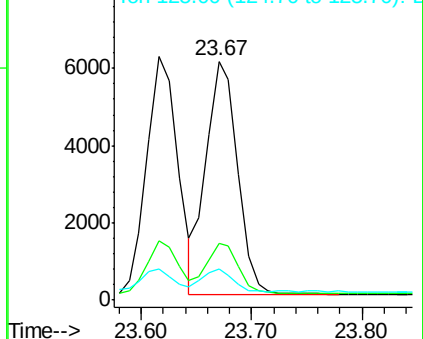
252 100

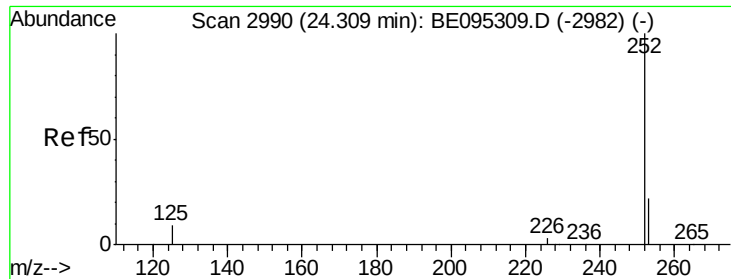
253 23.6 24.5 36.7#

125 13.3 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: 0.397 ng/ul

RT: 24.32 min Scan# 2991

Delta R.T. 0.01 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

Instrument :

BNA_E

ClientSampleId :

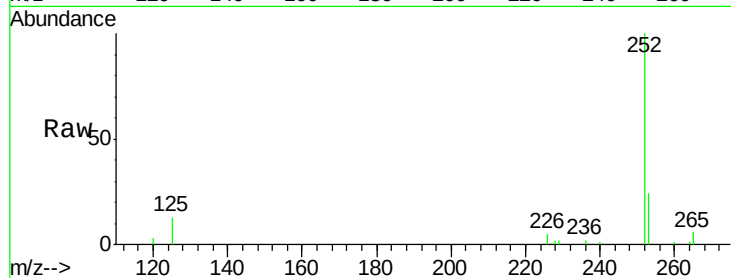
Tot Ion:252 Resp: 11778

Ion Ratio Lower Upper

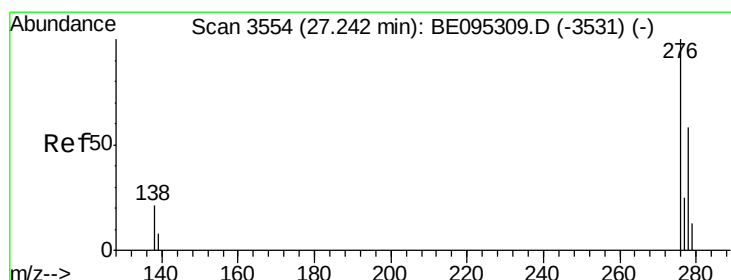
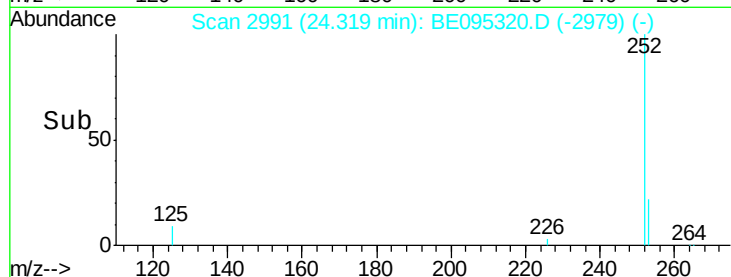
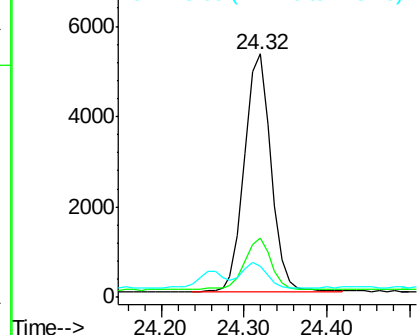
252 100

253 24.4 28.5 42.7#

125 13.0 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: 0.408 ng/ul

RT: 27.25 min Scan# 3555

Delta R.T. 0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

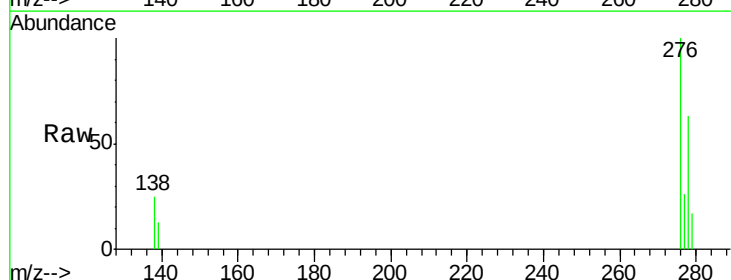
Tgt Ion:276 Resp: 13292

Ion Ratio Lower Upper

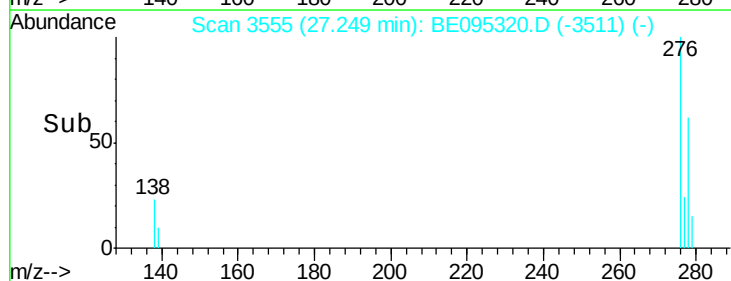
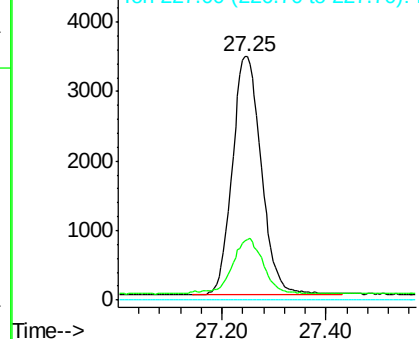
276 100

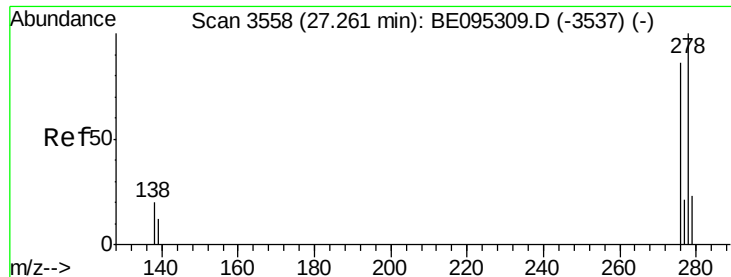
138 25.0 28.0 42.0#

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: 0.406 ng/ul

RT: 27.27 min Scan# 3559

Delta R.T. 0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

Instrument :

BNA_E

ClientSampleId :

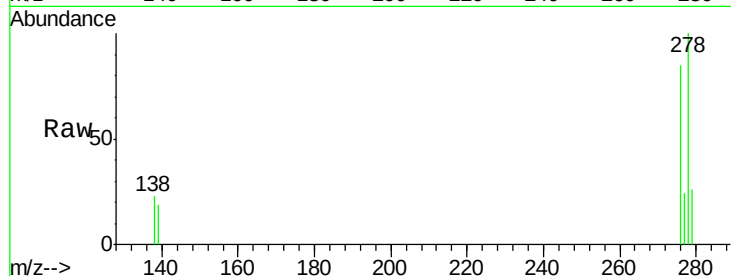
Tot Ion:278 Resp: 10816

Ion Ratio Lower Upper

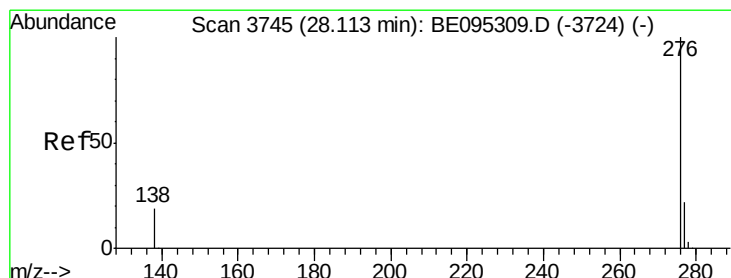
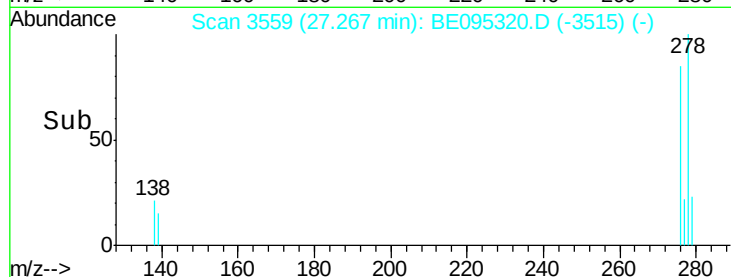
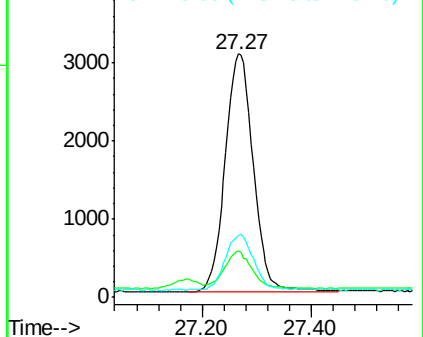
278 100

139 18.9 17.4 26.0

279 25.5 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: 0.404 ng/ul

RT: 28.12 min Scan# 3746

Delta R.T. 0.00 min

Lab File: BE095320.D

Acq: 31 Jan 2018 16:46

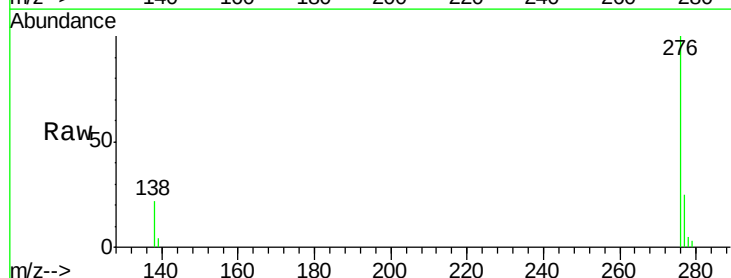
Tgt Ion:276 Resp: 11129

Ion Ratio Lower Upper

276 100

138 22.1 21.8 32.8

277 25.2 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

