

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095304.D
 Acq On : 31 Jan 2018 7:13
 Operator : SJ/JU
 Sample : J1223-12DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 31 08:19:38 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 08:16:13 2018
 Response via : Initial Calibration

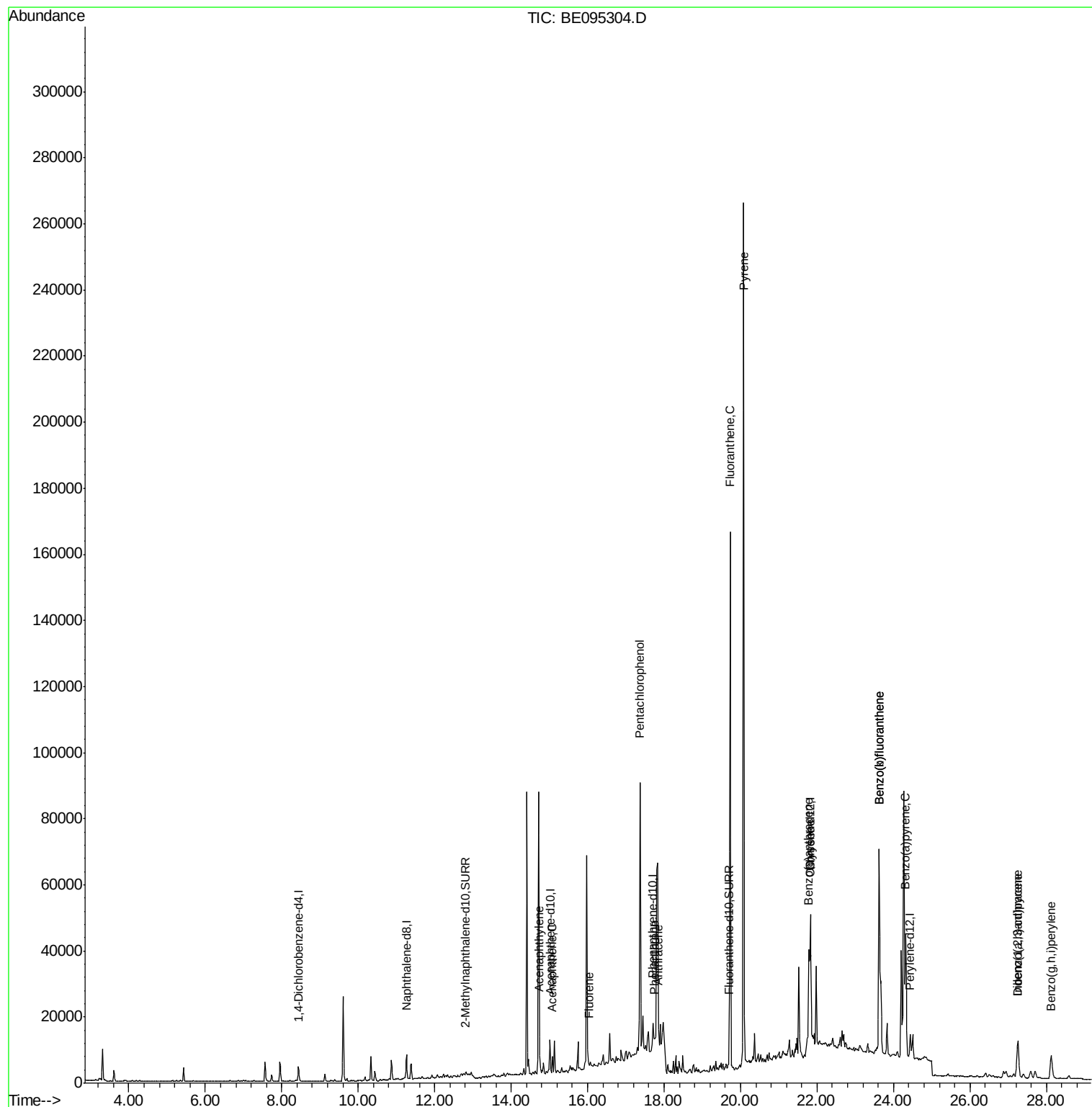
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2853	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	9164	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	5787	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	11072	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	11372	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	11392	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	909	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	1972	0.05	ng/ul	0.00
Target Compounds				Ovalue		
7) Acenaphthylene	14.75	152	4658	0.167	ng/ul#	55
8) Acenaphthene	15.08	153	2792	0.129	ng/ul#	88
9) Fluorene	16.03	166	850	0.038	ng/ul#	24
11) Pentachlorophenol	17.36	266	49660	23.157	ng/ul	96
12) Phenanthrene	17.75	178	4865	0.131	ng/ul#	39
13) Anthracene	17.85	178	5666	0.166	ng/ul#	67
15) Fluoranthene	19.73	202	181920	3.773	ng/ul	81
17) Pyrene	20.08	202	327869	8.592	ng/ul#	78
18) Benzo(a)anthracene	21.79	228	36884	1.037	ng/ul#	89
19) Chrysene	21.82	228	51270	1.389	ng/ul	92
21) Benzo(b)fluoranthene	23.62	252	138962	3.457	ng/ul	88
22) Benzo(k)fluoranthene	23.62	252	138962	3.780	ng/ul#	90
23) Benzo(a)pyrene	24.32	252	60436	1.684	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	27.25	276	22133	0.562	ng/ul#	74
25) Dibenzo(a,h)anthracene	27.26	278	6179	0.192	ng/ul#	79
26) Benzo(a,h,i)perylene	28.13	276	18132	0.544	ng/ul	97

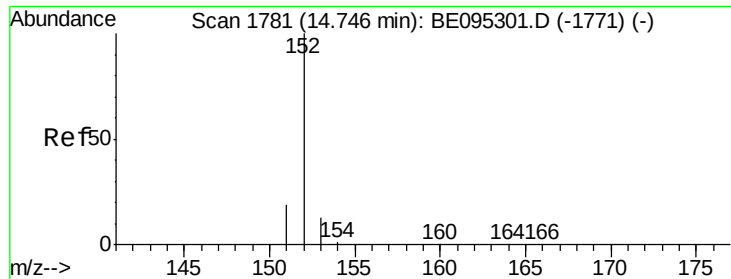
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.167 ng/ul

RT: 14.75 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BE095304.D

Acq: 31 Jan 2018 7:13

Instrument :

BNA_E

ClientSampleId :

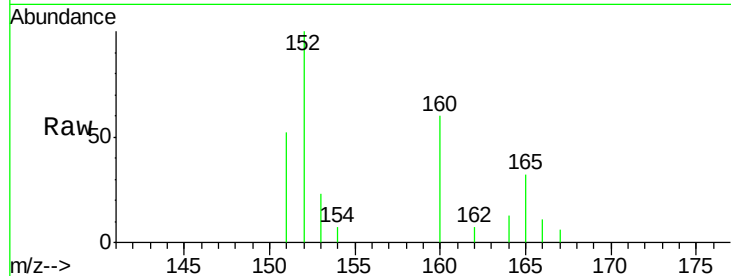
Tot Ion:152 Resp: 4658

Ion Ratio Lower Upper

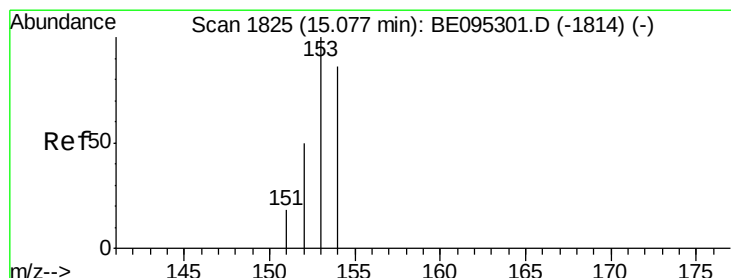
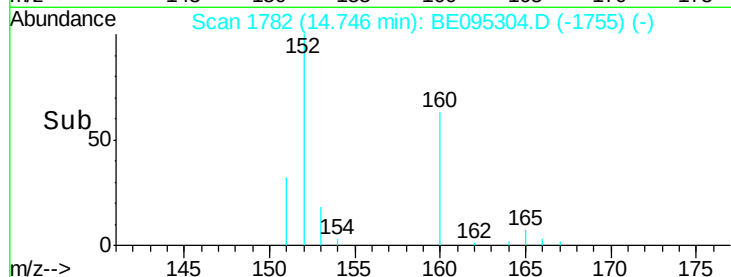
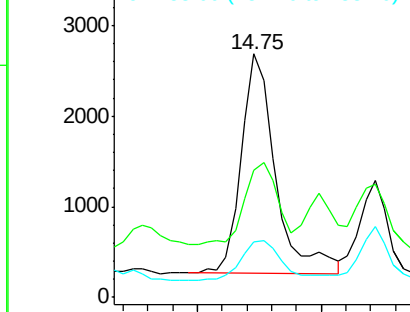
152 100

151 52.5 17.1 25.7#

153 22.8 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: 0.129 ng/ul

RT: 15.08 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BE095304.D

Acq: 31 Jan 2018 7:13

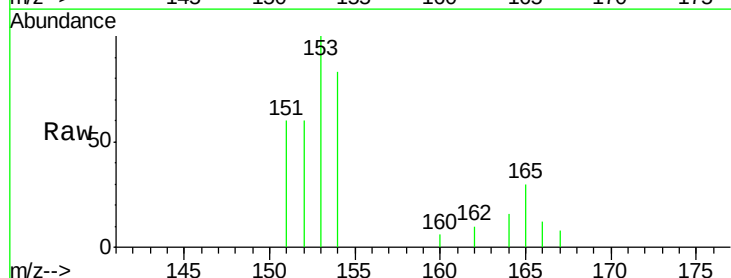
Tgt Ion:153 Resp: 2792

Ion Ratio Lower Upper

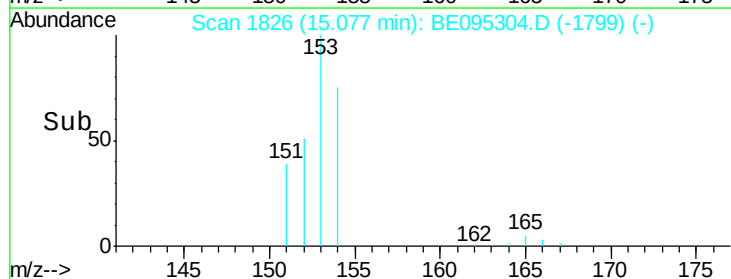
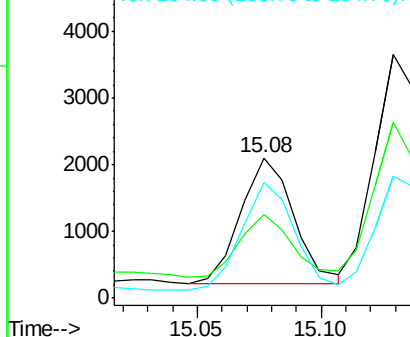
153 100

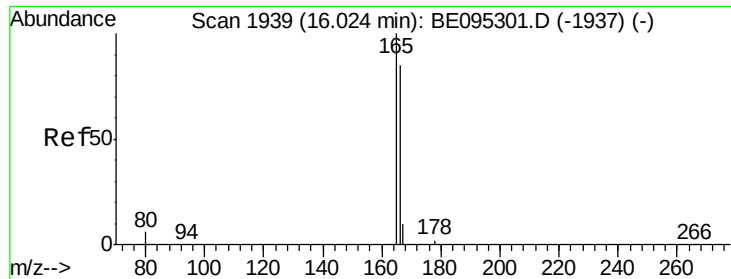
152 59.6 36.0 54.0#

154 82.9 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

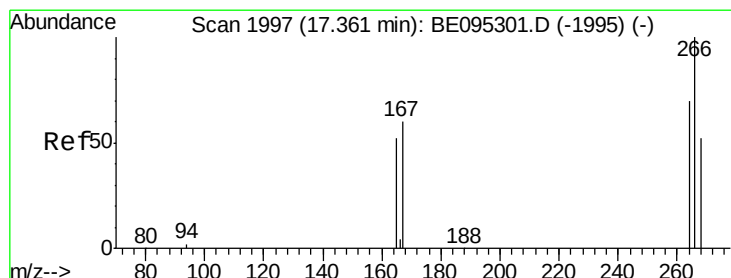
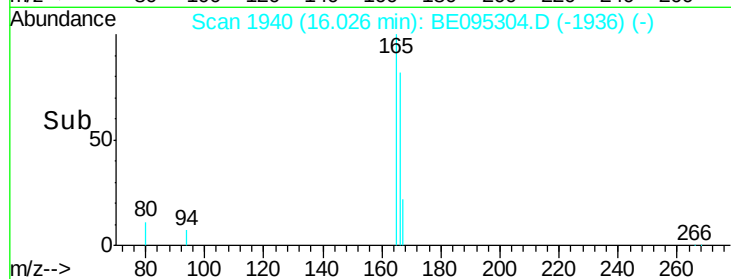
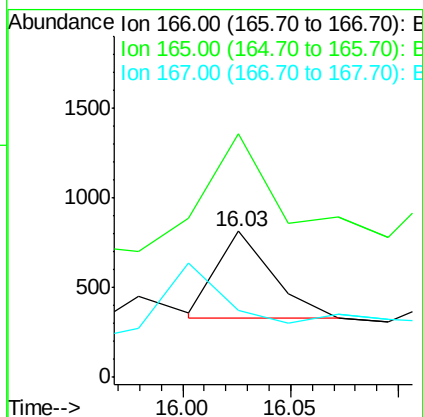
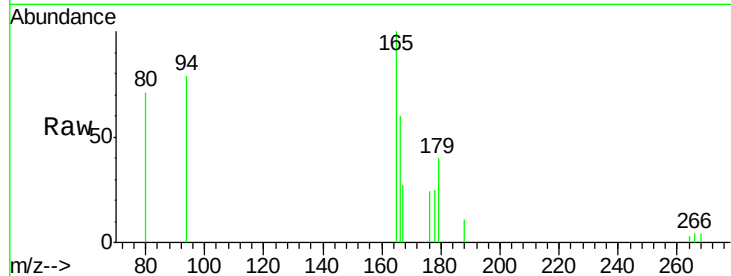




#9
Fluorene
 Concen: 0.038 ng/ul
 RT: 16.03 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: BE095304.D
 Acq: 31 Jan 2018 7:13

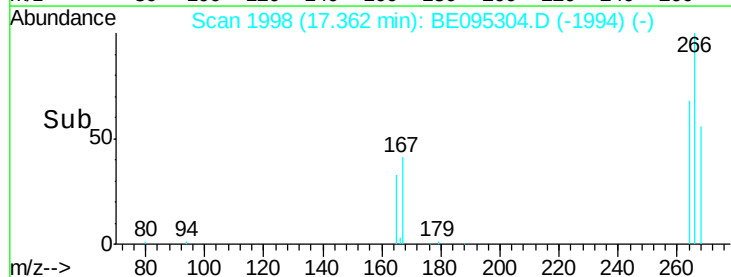
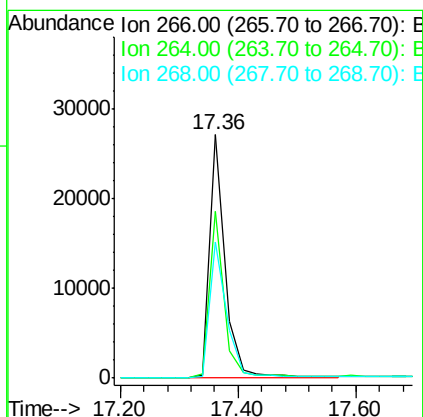
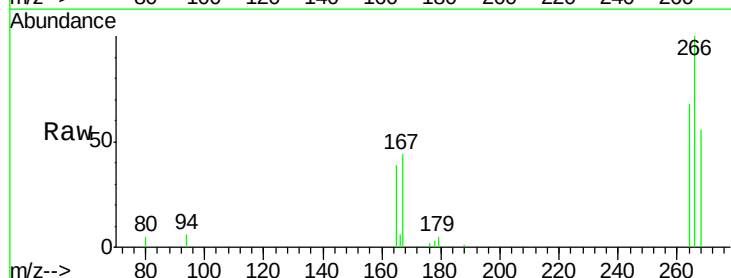
Instrument :
 BNA_E
 ClientSampleId :

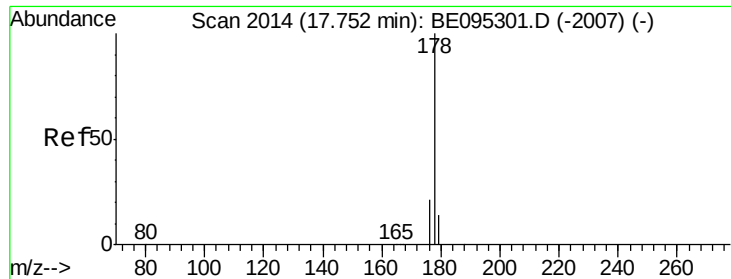
Tot Ion:166 Resp: 850
 Ion Ratio Lower Upper
 166 100
 165 167.0 73.4 110.2#
 167 45.9 14.6 22.0#



#11
Pentachlorophenol
 Concen: 23.157 ng/ul
 RT: 17.36 min Scan# 1998
 Delta R.T. 0.00 min
 Lab File: BE095304.D
 Acq: 31 Jan 2018 7:13

Tgt Ion:266 Resp: 49660
 Ion Ratio Lower Upper
 266 100
 264 64.6 47.9 71.9
 268 61.5 49.8 74.8





#12

Phenanthrene

Concen: 0.131 ng/ul

RT: 17.75 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BE095304.D

Acq: 31 Jan 2018 7:13

Instrument :

BNA_E

ClientSampled :

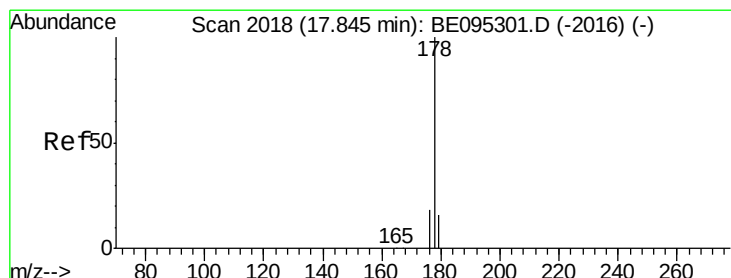
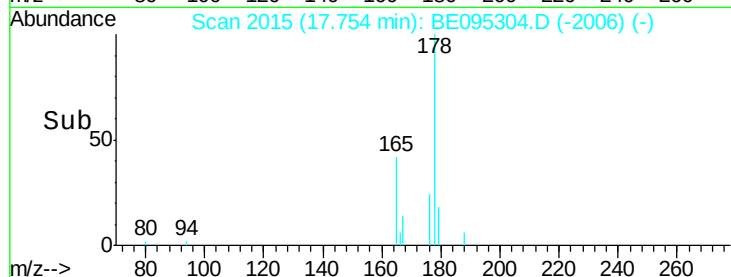
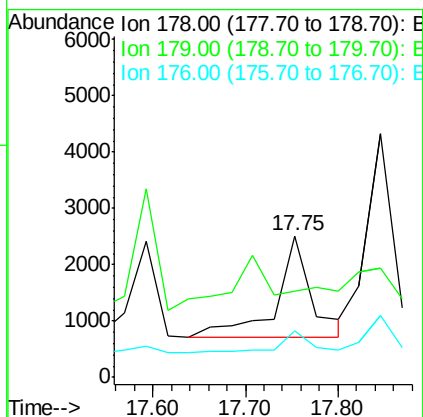
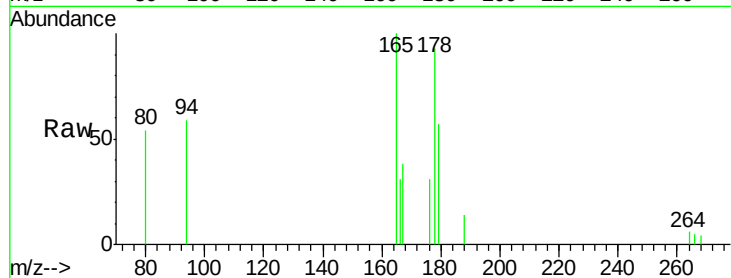
Tot Ion:178 Resp: 4865

Ion Ratio Lower Upper

178 100

179 61.2 18.4 27.6#

176 33.0 13.6 20.4#



#13

Anthracene

Concen: 0.166 ng/ul

RT: 17.85 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BE095304.D

Acq: 31 Jan 2018 7:13

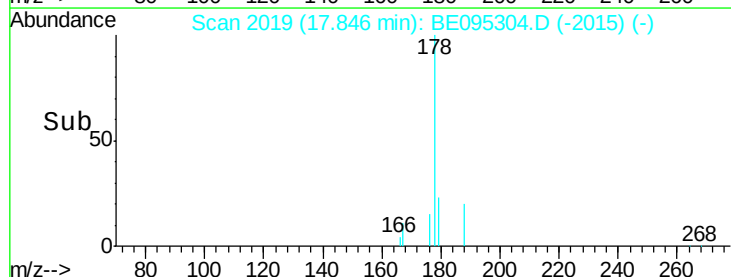
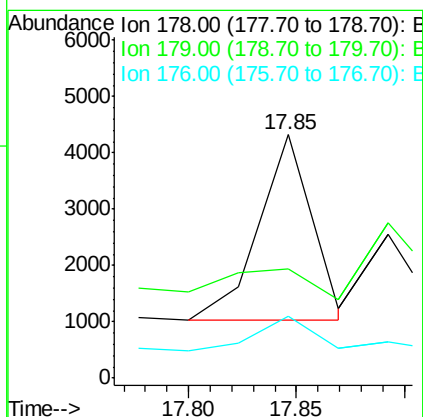
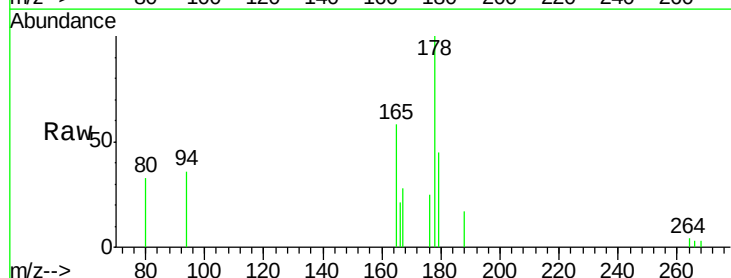
Tgt Ion:178 Resp: 5666

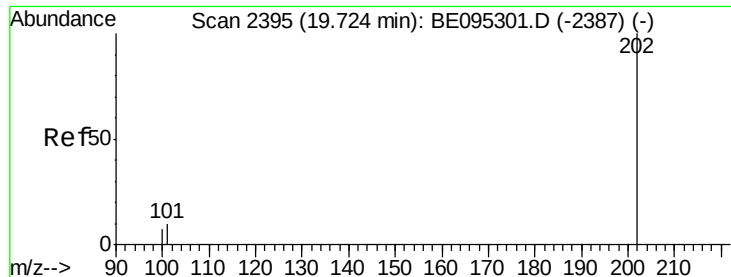
Ion Ratio Lower Upper

178 100

179 45.0 18.1 27.1#

176 25.3 14.7 22.1#





#15

Fluoranthene

Concen: 3.773 ng/ul

RT: 19.73 min Scan# 2397

Delta R.T. 0.00 min

Lab File: BE095304.D

Acq: 31 Jan 2018 7:13

Instrument :

BNA_E

ClientSampleId :

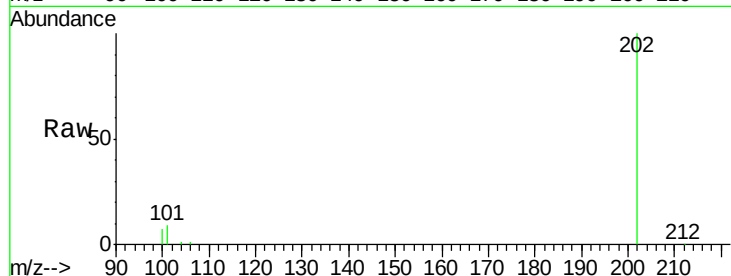
Tot Ion:202 Resp: 181920

Ion Ratio Lower Upper

202 100

101 9.0 0.0 30.3

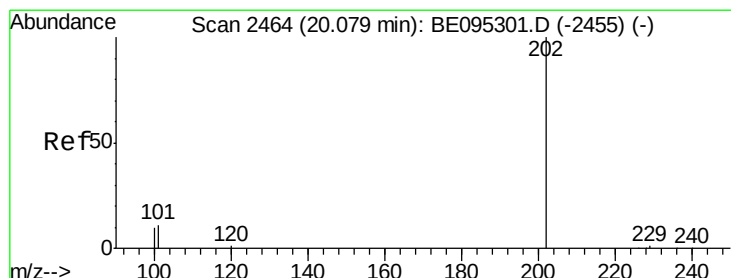
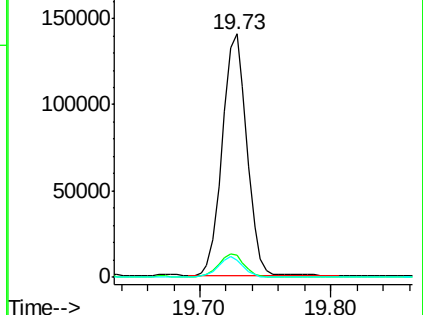
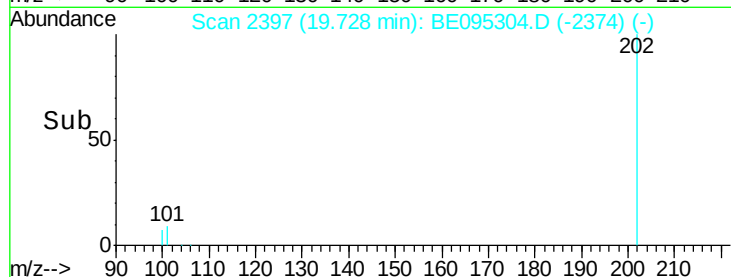
100 7.2 0.0 39.5



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: 8.592 ng/ul

RT: 20.08 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BE095304.D

Acq: 31 Jan 2018 7:13

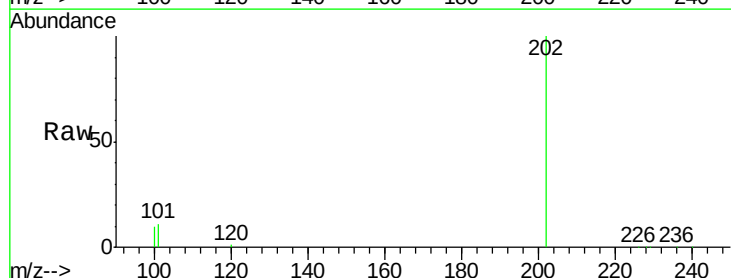
Tgt Ion:202 Resp: 327869

Ion Ratio Lower Upper

202 100

101 11.3 18.2 27.4#

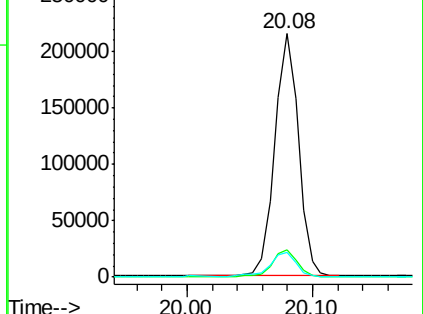
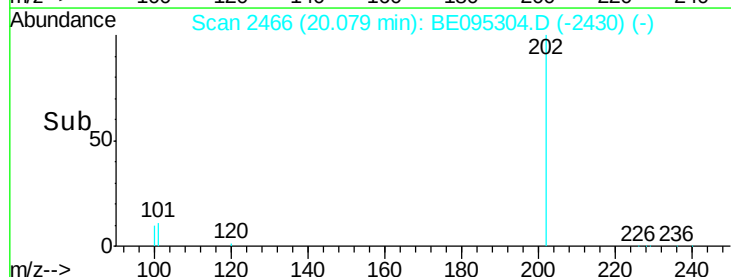
100 10.1 15.6 23.4#

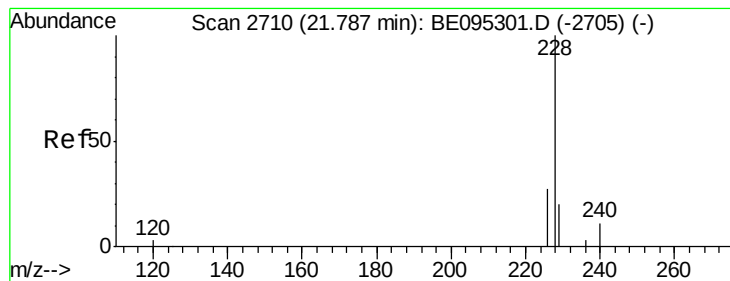


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 1.037 ng/ul

RT: 21.79 min Scan# 2711

Delta R.T. -0.00 min

Lab File: BE095304.D

Acq: 31 Jan 2018 7:13

Instrument :

BNA_E

ClientSampleId :

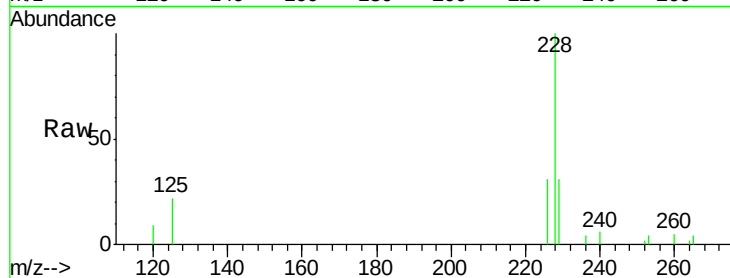
Tot Ion:228 Resp: 36884

Ion Ratio Lower Upper

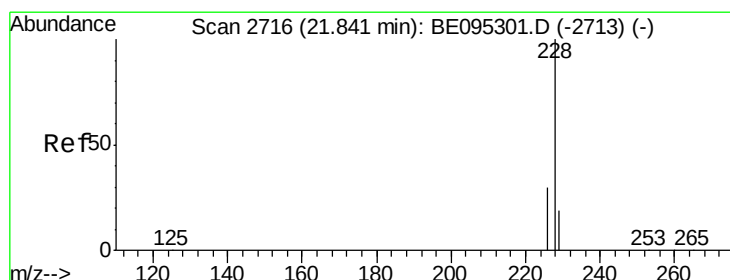
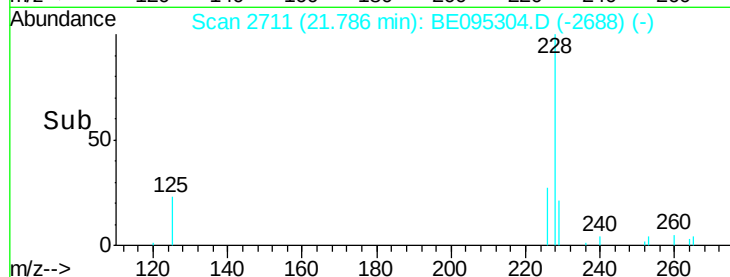
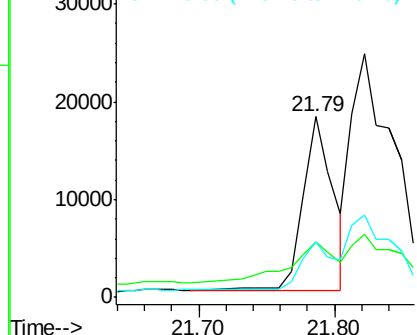
228 100

229 30.9 22.8 34.2

226 31.0 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: 1.389 ng/ul

RT: 21.82 min Scan# 2715

Delta R.T. -0.02 min

Lab File: BE095304.D

Acq: 31 Jan 2018 7:13

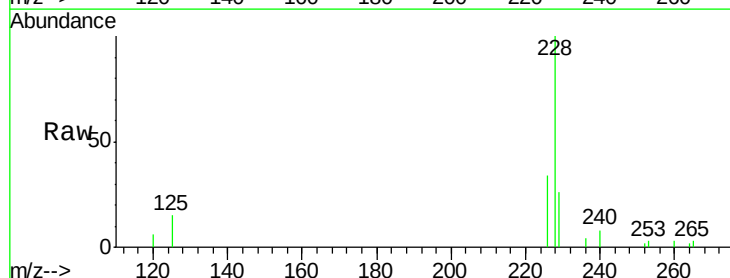
Tgt Ion:228 Resp: 51270

Ion Ratio Lower Upper

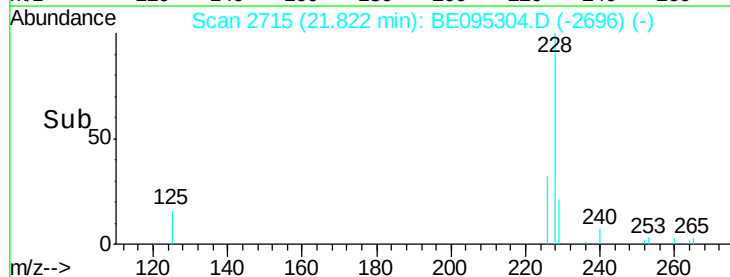
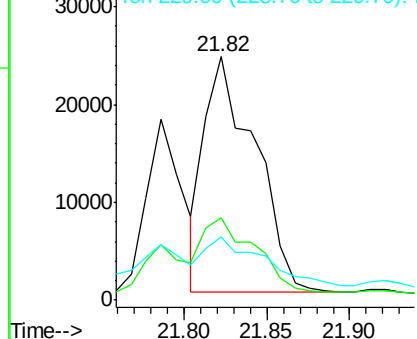
228 100

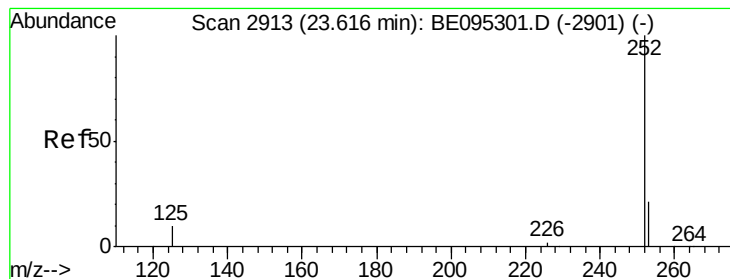
226 33.9 23.4 35.0

229 25.8 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: 3.457 ng/ul

RT: 23.62 min Scan# 2915

Delta R.T. 0.01 min

Lab File: BE095304.D

Acq: 31 Jan 2018 7:13

Instrument :

BNA_E

ClientSampleId :

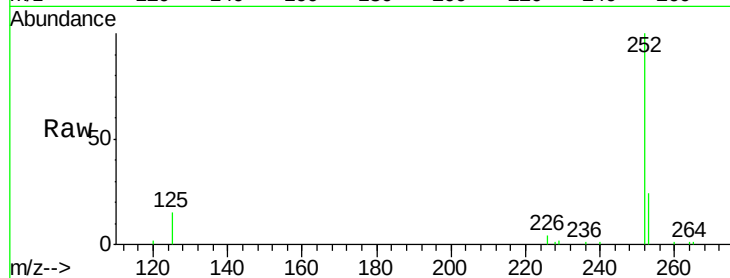
Tot Ion:252 Resp: 138962

Ion Ratio Lower Upper

252 100

253 24.1 0.0 64.2

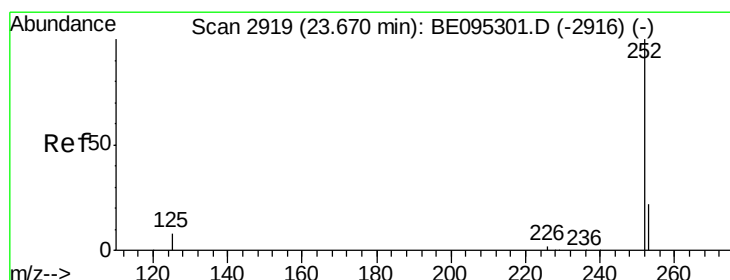
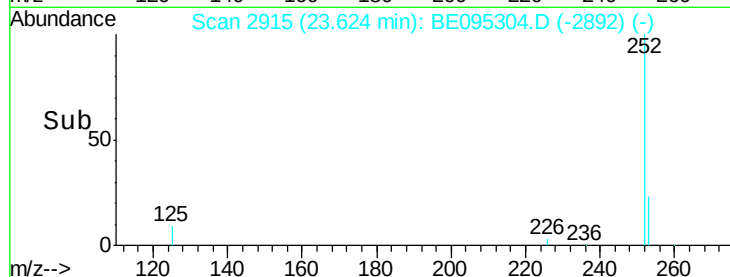
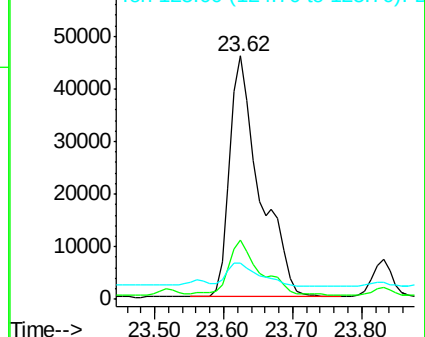
125 14.6 0.0 35.0



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: 3.780 ng/ul

RT: 23.62 min Scan# 2915

Delta R.T. -0.05 min

Lab File: BE095304.D

Acq: 31 Jan 2018 7:13

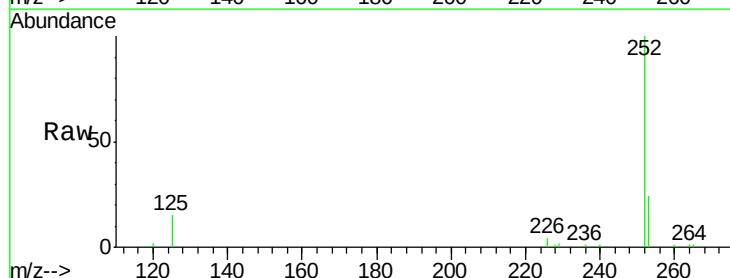
Tgt Ion:252 Resp: 138962

Ion Ratio Lower Upper

252 100

253 24.1 24.5 36.7#

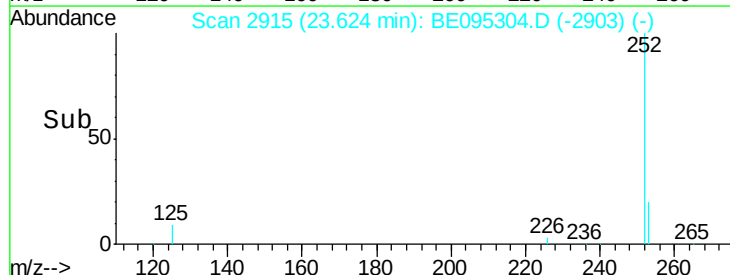
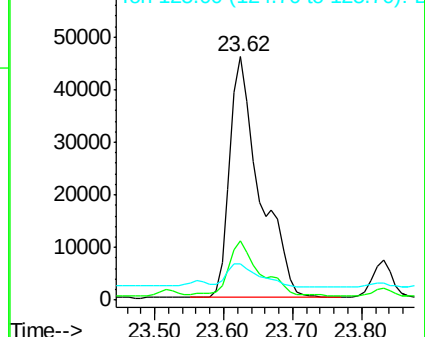
125 14.6 13.7 20.5

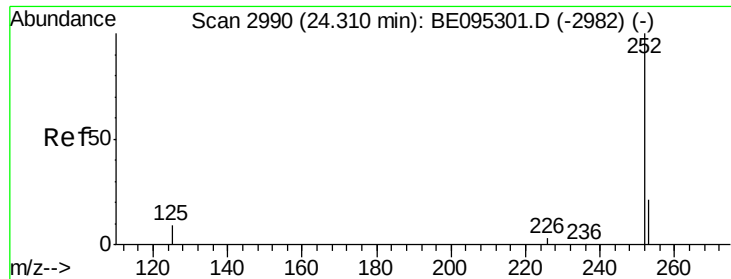


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.684 ng/ul

RT: 24.32 min Scan# 2992

Delta R.T. 0.01 min

Lab File: BE095304.D

Acq: 31 Jan 2018 7:13

Instrument :

BNA_E

ClientSampleId :

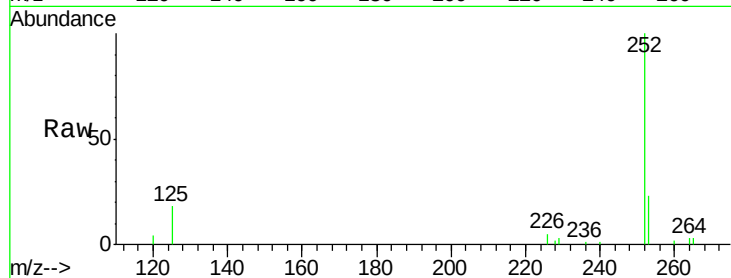
Tot Ion:252 Resp: 60436

Ion Ratio Lower Upper

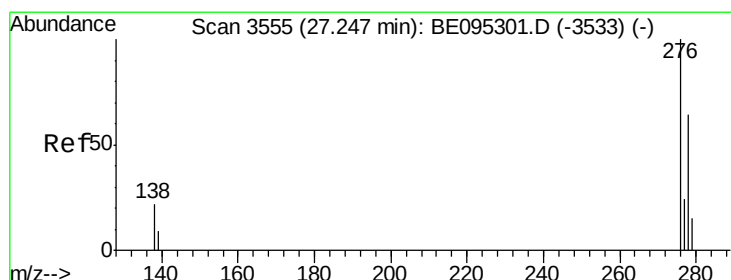
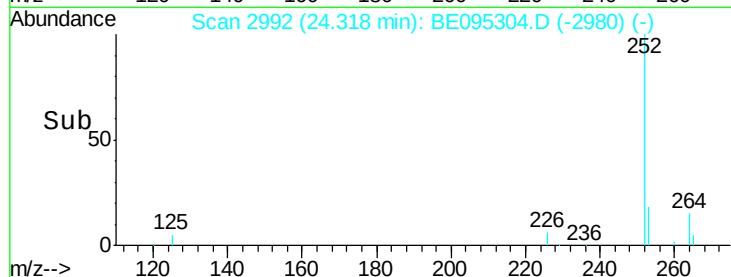
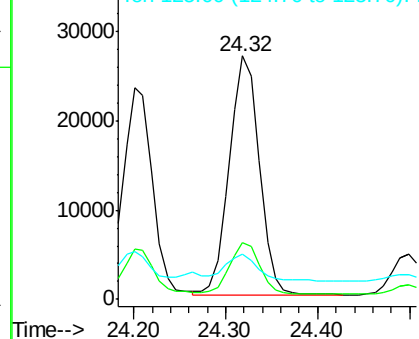
252 100

253 23.3 28.5 42.7#

125 18.5 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: 0.562 ng/ul

RT: 27.25 min Scan# 3557

Delta R.T. 0.00 min

Lab File: BE095304.D

Acq: 31 Jan 2018 7:13

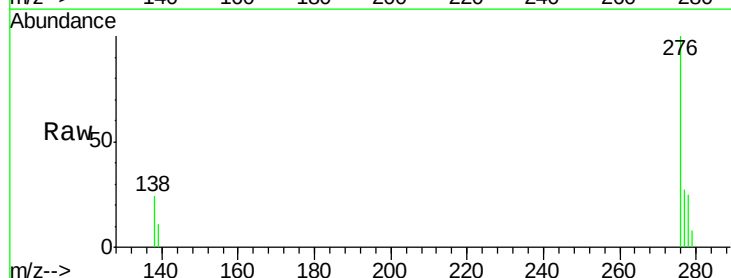
Tgt Ion:276 Resp: 22133

Ion Ratio Lower Upper

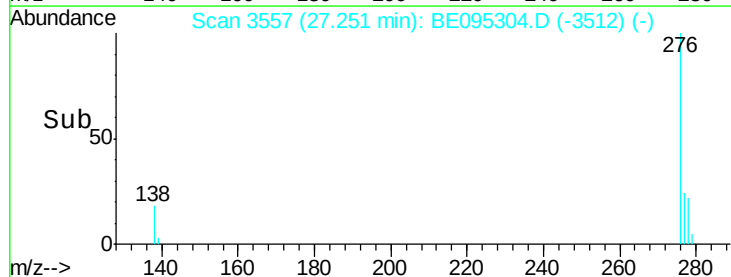
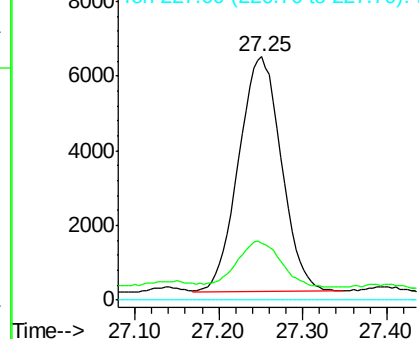
276 100

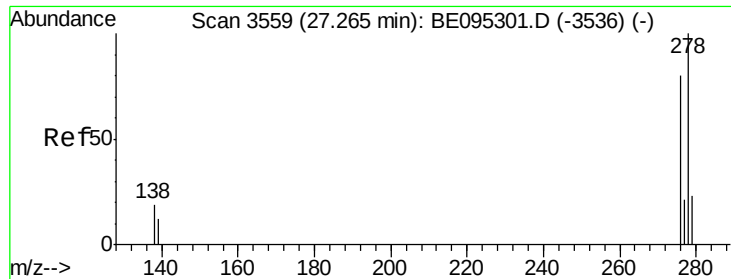
138 20.4 28.0 42.0#

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

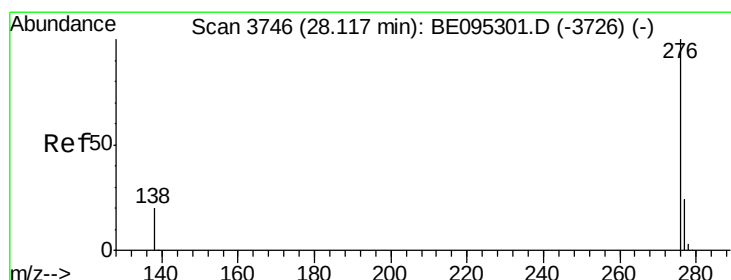
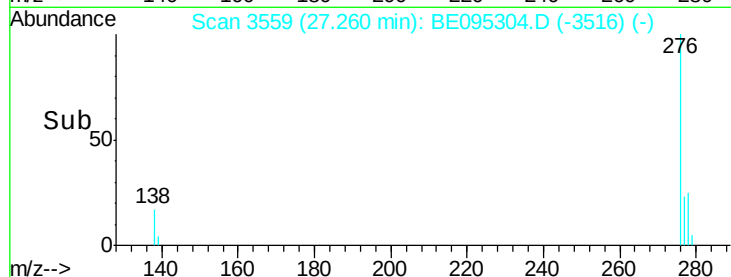
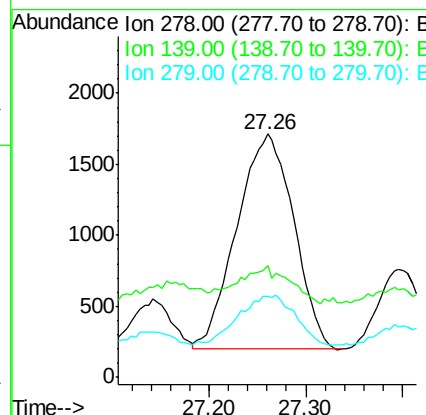
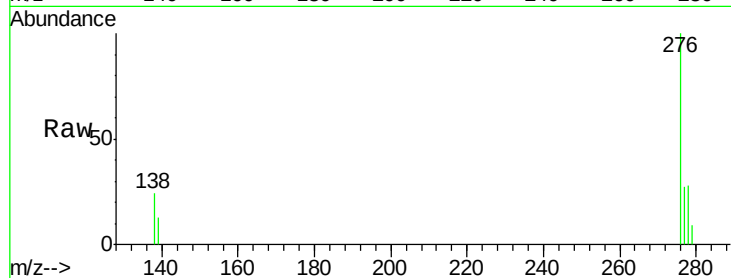




#25
Dibenzo(a,h)anthracene
Concen: 0.192 ng/ul
RT: 27.26 min Scan# 3559
Delta R.T. -0.01 min
Lab File: BE095304.D
Acq: 31 Jan 2018 7:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 6179
Ion Ratio Lower Upper
278 100
139 45.7 17.4 26.0#
279 33.4 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.544 ng/ul
RT: 28.13 min Scan# 3749
Delta R.T. 0.01 min
Lab File: BE095304.D
Acq: 31 Jan 2018 7:13

Tgt Ion:276 Resp: 18132
Ion Ratio Lower Upper
276 100
138 25.8 21.8 32.8
277 26.9 20.5 30.7

