

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021218\
 Data File : BE095652.D
 Acq On : 12 Feb 2018 8:50
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 13 00:30:19 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 Feb 12 04:22:44 2018
 Response via : Initial Calibration

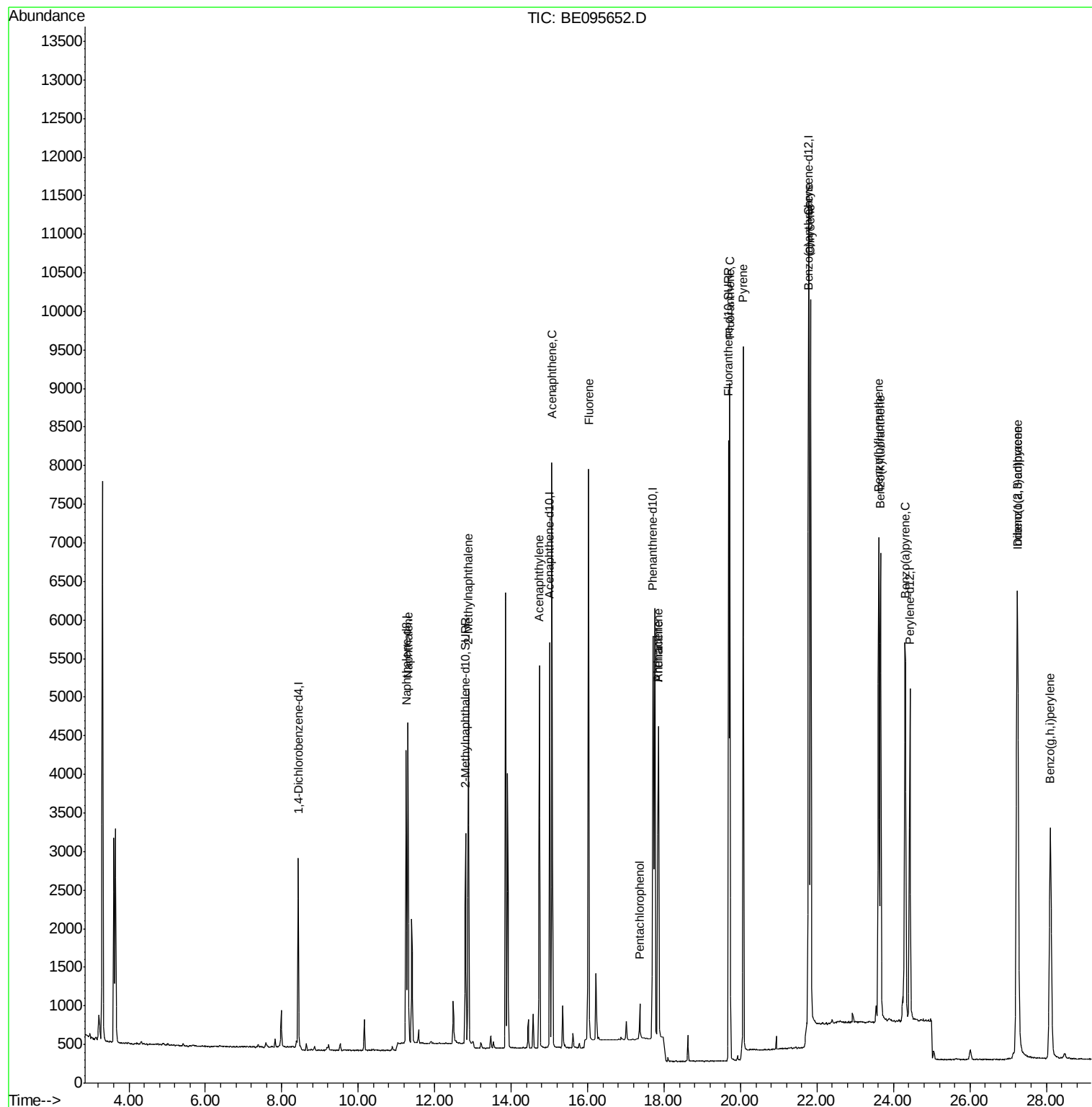
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1787	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	4983	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	2884	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	7355	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	7011	0.40	ng/ul	0.00
20) Perylene-d12	24.43	264	6589	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	3439	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	8837	0.31	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.30	128	5679	0.407	ng/ul#	89
5) 2-Methylnaphthalene	12.88	142	3898	0.418	ng/ul	99
7) Acenaphthylene	14.74	152	5762	0.415	ng/ul	97
8) Acenaphthene	15.07	153	4303	0.400	ng/ul	95
9) Fluorene	16.03	166	5218	0.470	ng/ul#	95
11) Pentachlorophenol	17.36	266	332	0.233	ng/ul	99
12) Phenanthrene	17.85	178	6931	0.280	ng/ul	95
13) Anthracene	17.85	178	6955	0.307	ng/ul	94
15) Fluoranthene	19.72	202	10082	0.315	ng/ul	83
17) Pyrene	20.07	202	10656	0.453	ng/ul#	78
18) Benzo(a)anthracene	21.78	228	9229	0.421	ng/ul#	85
19) Chrysene	21.83	228	9371	0.412	ng/ul	95
21) Benzo(b)fluoranthene	23.61	252	8985	0.387	ng/ul	83
22) Benzo(k)fluoranthene	23.66	252	8659	0.407	ng/ul#	86
23) Benzo(a)pyrene	24.30	252	8501	0.410	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	27.23	276	9407	0.413	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.25	278	7511	0.403	ng/ul#	90
26) Benzo(g,h,i)perylene	28.11	276	7904	0.410	ng/ul#	94

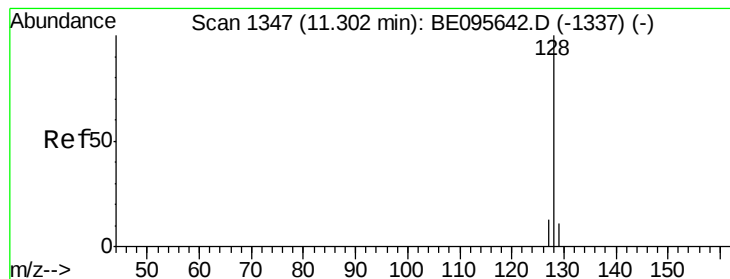
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.407 ng/ul

RT: 11.30 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

Instrument :

BNA_E

ClientSampleId :

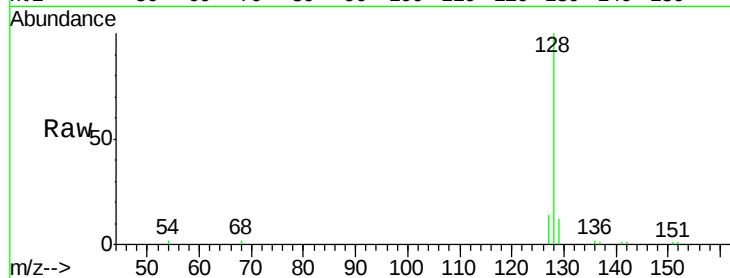
Tot Ion:128 Resp: 5679

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

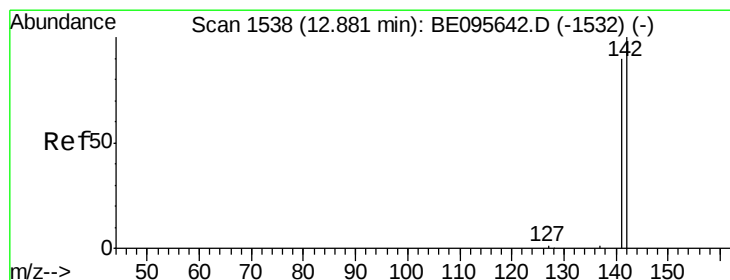
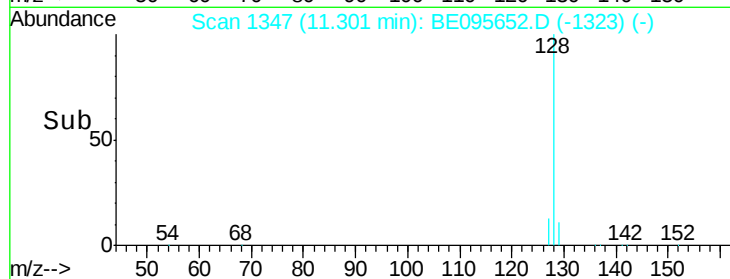
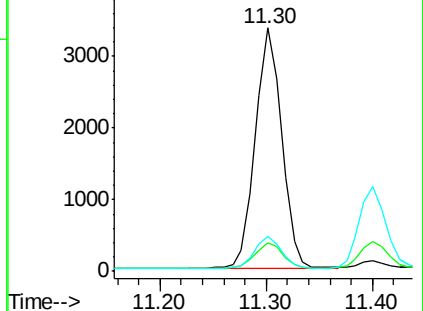
127 14.1 4.0 6.0#



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: 12.88 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BE095652.D

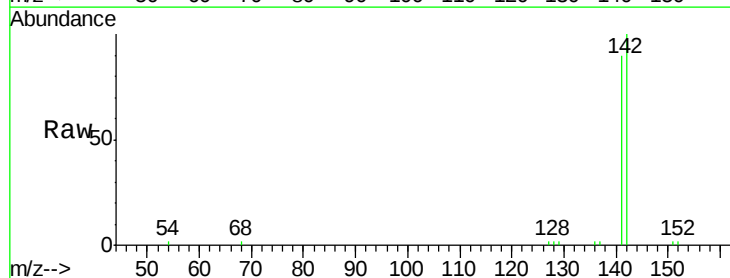
Acq: 12 Feb 2018 8:50

Tgt Ion:142 Resp: 3898

Ion Ratio Lower Upper

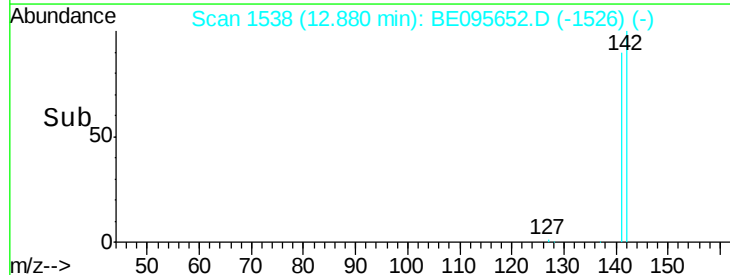
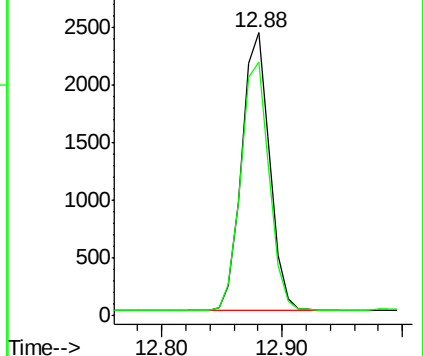
142 100

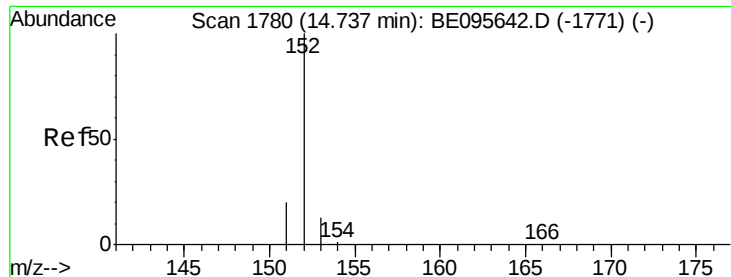
141 91.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.415 ng/ul

RT: 14.74 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

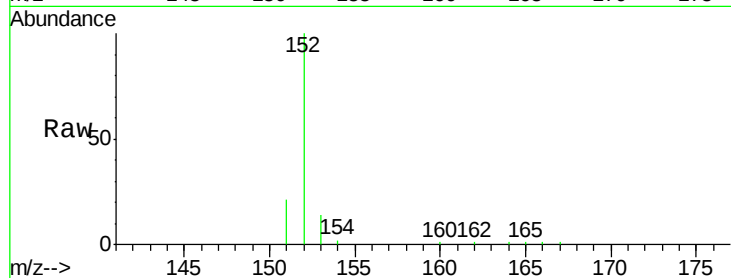
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 5762

Ion	Ratio	Lower	Upper
152	100		
151	20.6	17.1	25.7
153	14.0	12.8	19.2

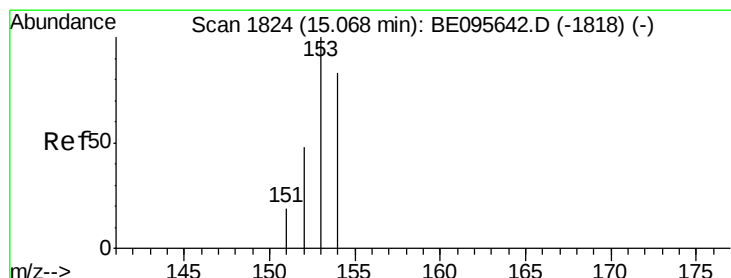
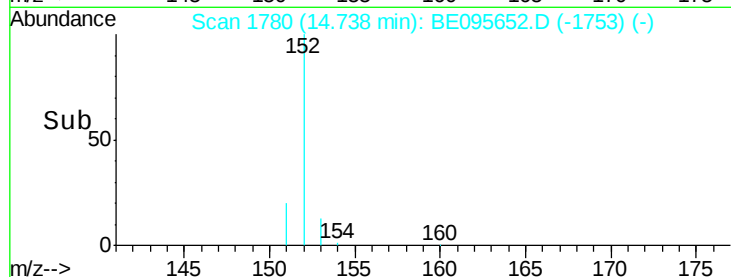
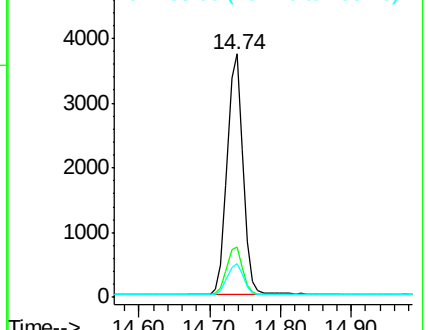


Abundance

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: 0.400 ng/ul

RT: 15.07 min Scan# 1824

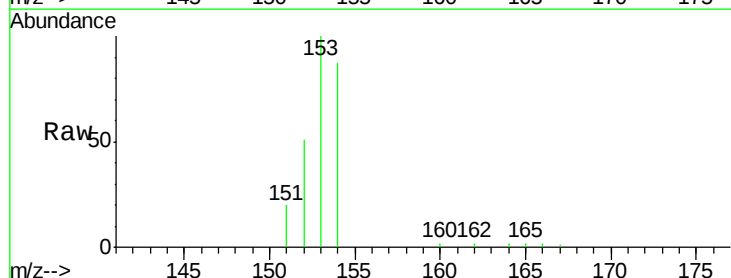
Delta R.T. 0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

Tgt Ion:153 Resp: 4303

Ion	Ratio	Lower	Upper
153	100		
152	51.4	36.0	54.0
154	87.0	72.0	108.0

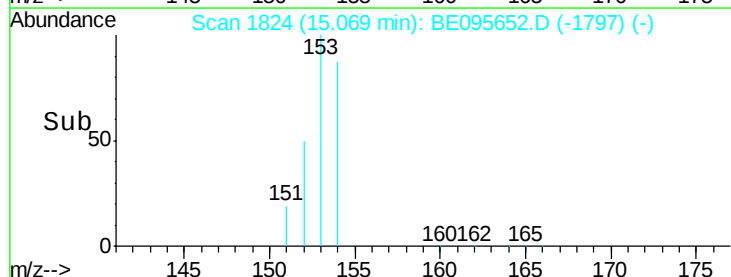
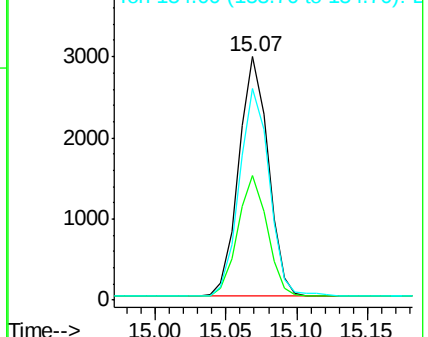


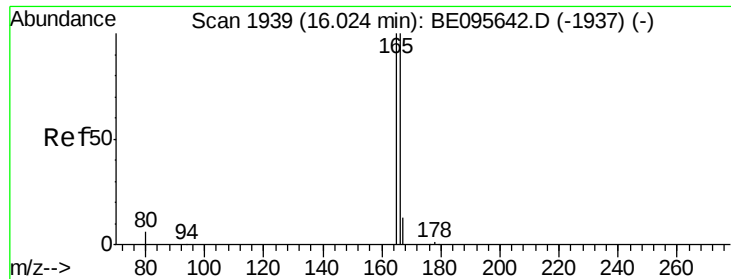
Abundance

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: 0.470 ng/ul

RT: 16.03 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

Instrument :

BNA_E

ClientSampleId :

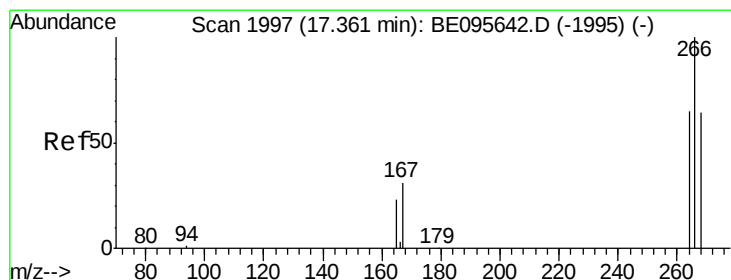
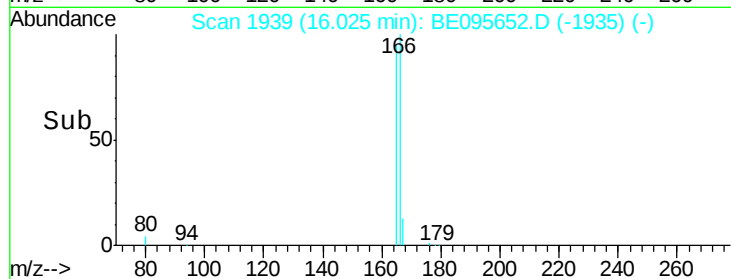
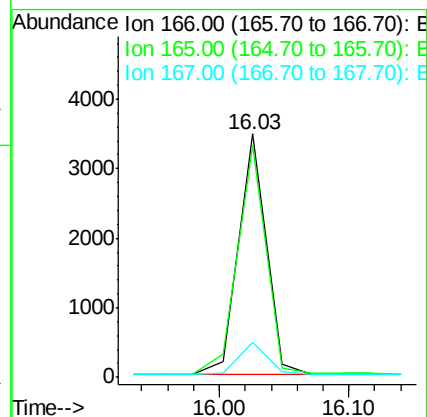
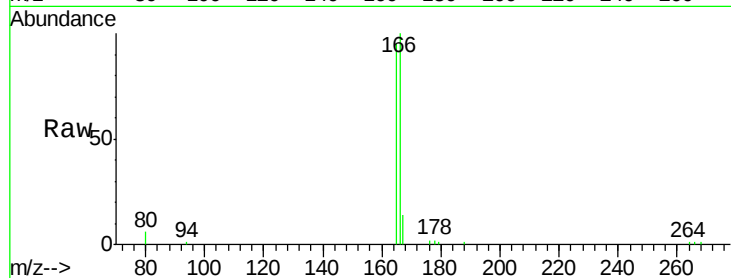
Tot Ion:166 Resp: 5218

Ion Ratio Lower Upper

166 100

165 95.5 73.4 110.2

167 14.4 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.233 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

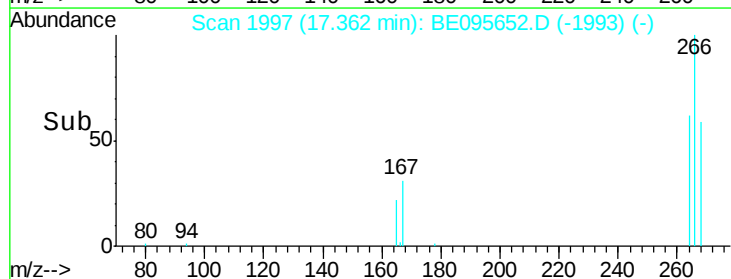
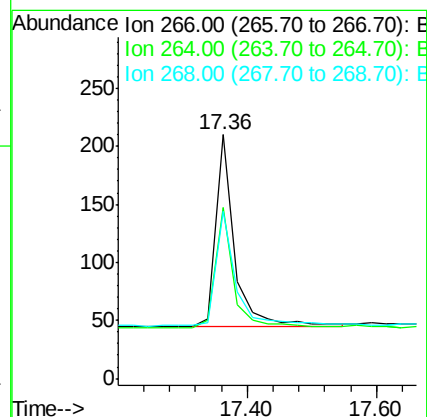
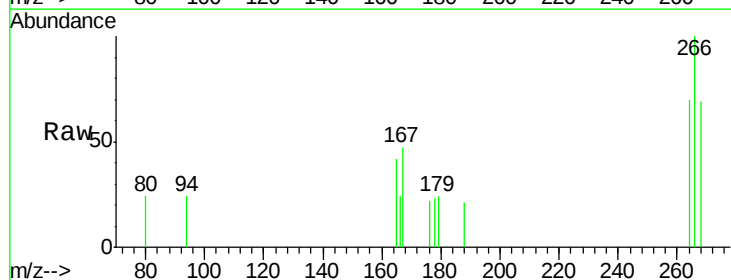
Tgt Ion:266 Resp: 332

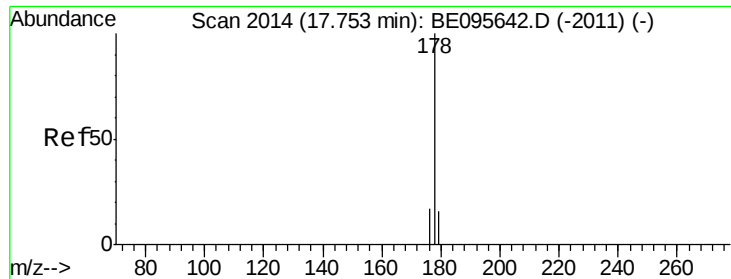
Ion Ratio Lower Upper

266 100

264 59.9 47.9 71.9

268 61.1 49.8 74.8





#12

Phenanthrene

Concen: 0.280 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.09 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

Instrument :

BNA_E

ClientSampleId :

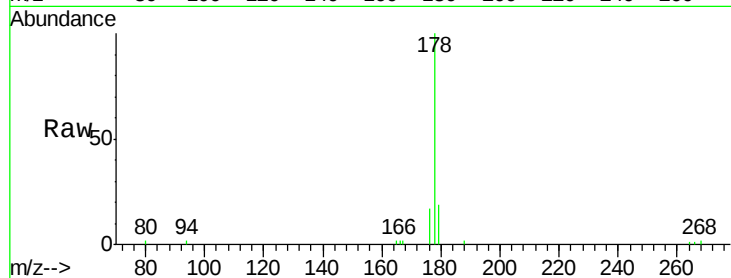
Tot Ion:178 Resp: 6931

Ion Ratio Lower Upper

178 100

179 19.1 18.4 27.6

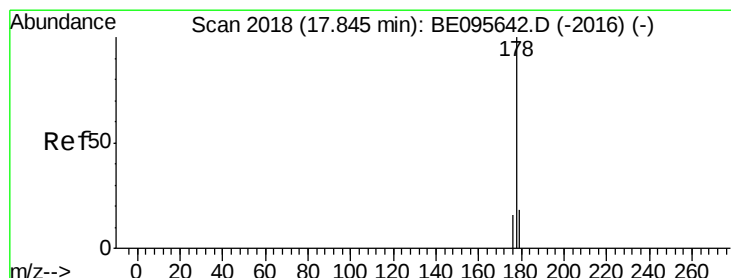
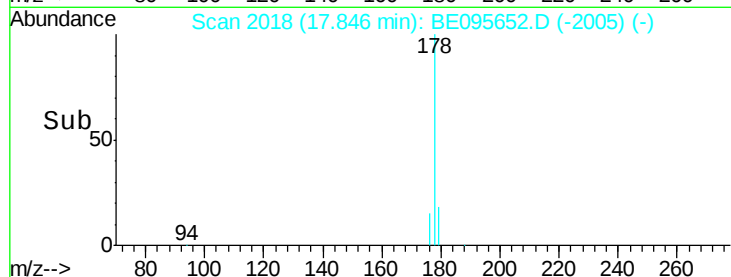
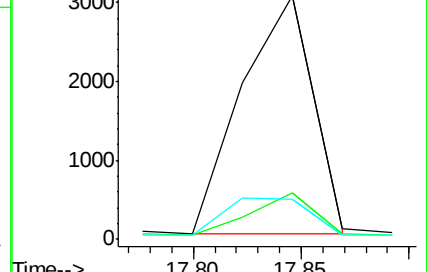
176 16.5 13.6 20.4



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: 0.307 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

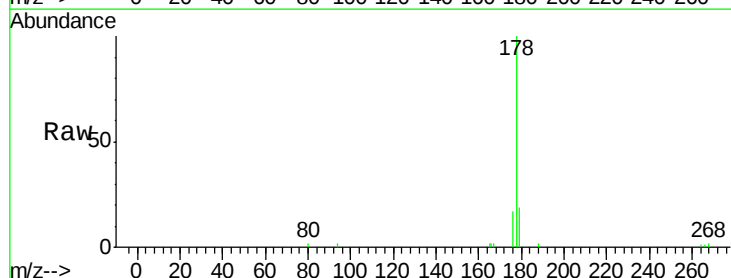
Tgt Ion:178 Resp: 6955

Ion Ratio Lower Upper

178 100

179 19.1 18.1 27.1

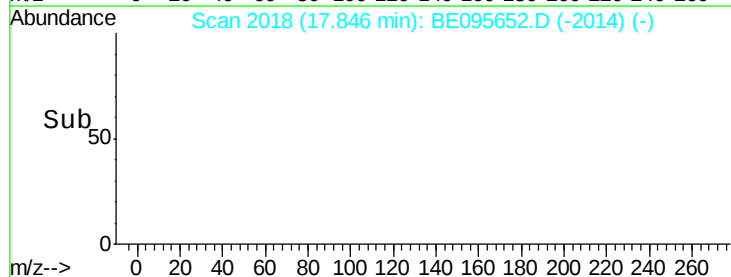
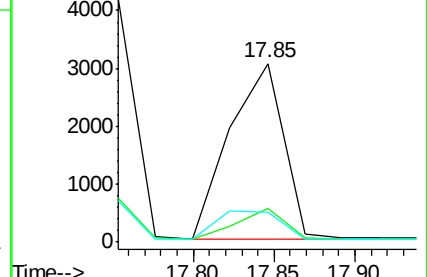
176 16.5 14.7 22.1

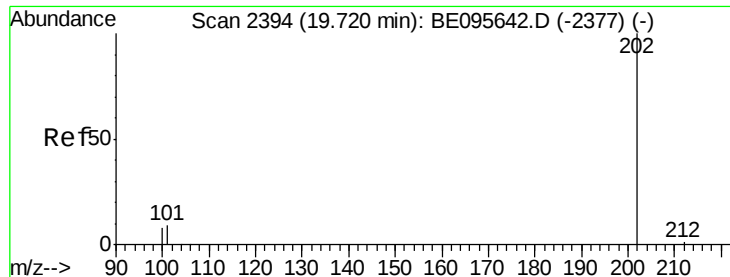


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.315 ng/ul

RT: 19.72 min Scan# 2394

Delta R.T. -0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

Instrument :

BNA_E

ClientSampleId :

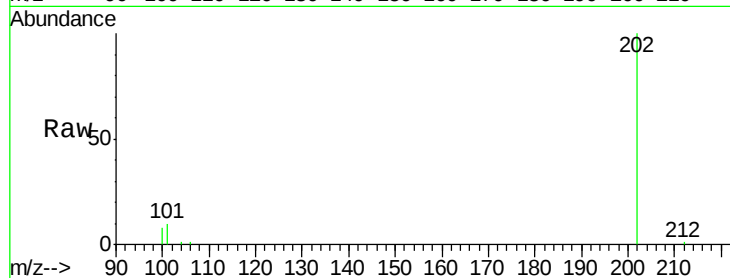
Tot Ion:202 Resp: 10082

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.3

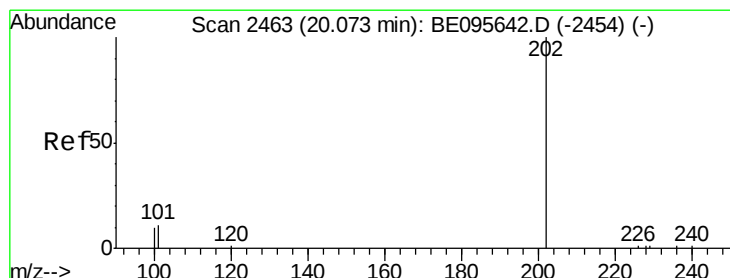
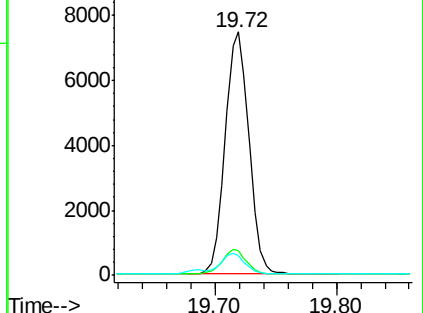
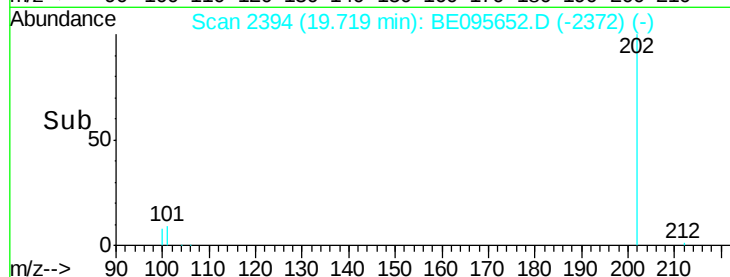
100 8.2 0.0 39.5



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: 0.453 ng/ul

RT: 20.07 min Scan# 2463

Delta R.T. -0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

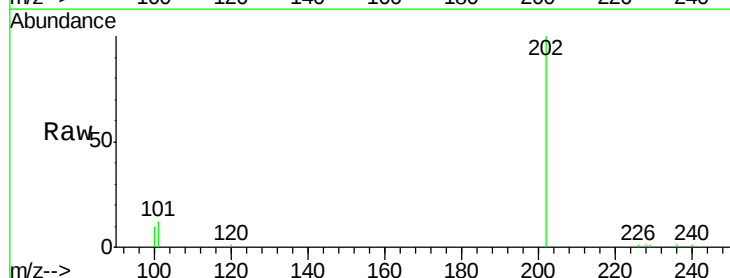
Tgt Ion:202 Resp: 10656

Ion Ratio Lower Upper

202 100

101 11.6 18.2 27.4#

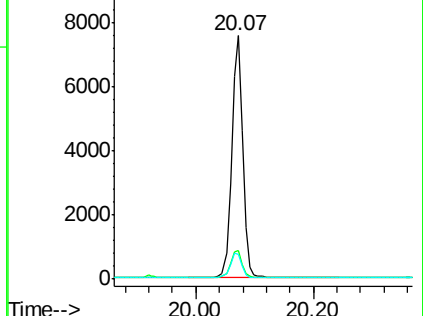
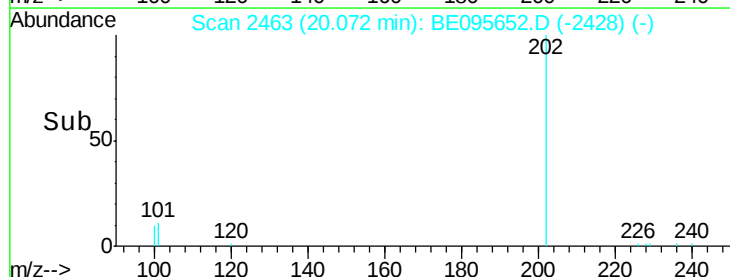
100 10.3 15.6 23.4#

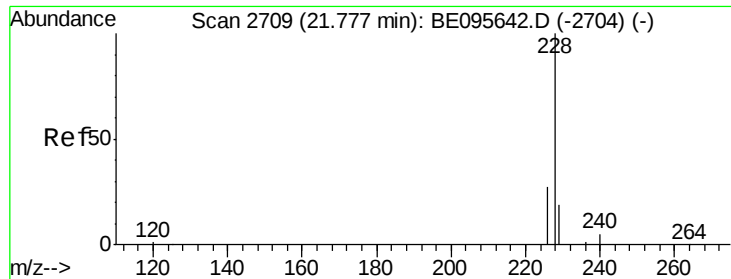


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.421 ng/ul

RT: 21.78 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

Instrument :

BNA_E

ClientSampleId :

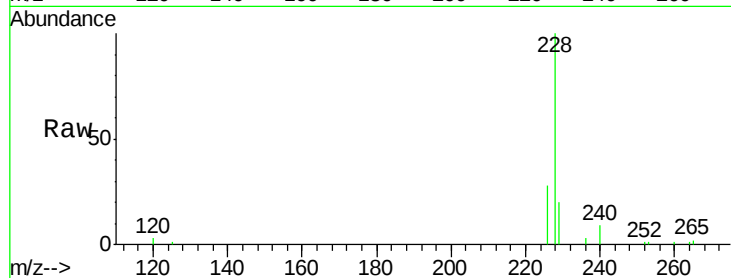
Tot Ion:228 Resp: 9229

Ion Ratio Lower Upper

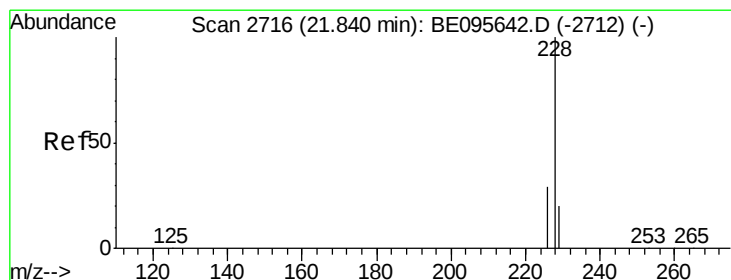
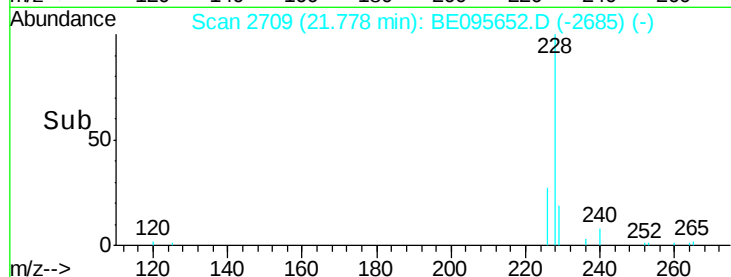
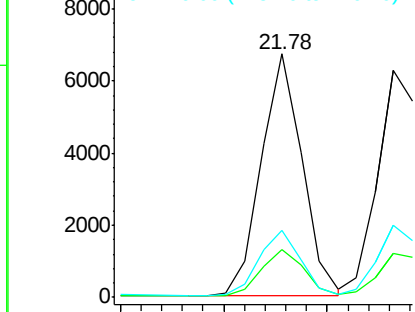
228 100

229 19.6 22.8 34.2#

226 27.6 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: 0.412 ng/ul

RT: 21.83 min Scan# 2715

Delta R.T. -0.01 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

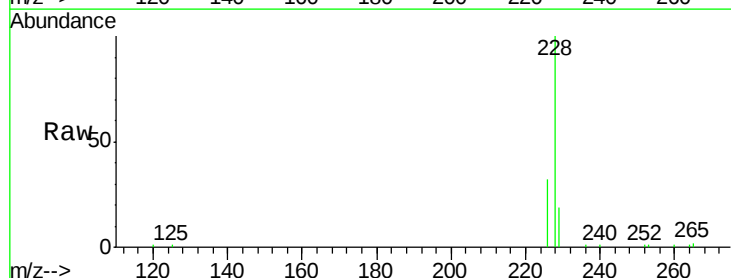
Tgt Ion:228 Resp: 9371

Ion Ratio Lower Upper

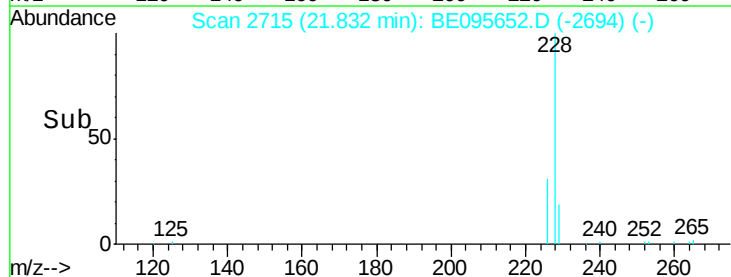
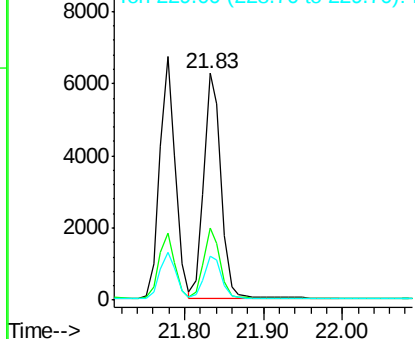
228 100

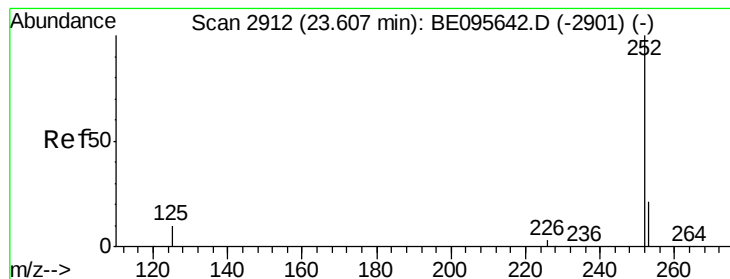
226 31.7 23.4 35.0

229 19.3 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: 0.387 ng/ul

RT: 23.61 min Scan# 2912

Delta R.T. 0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

Instrument :

BNA_E

ClientSampleId :

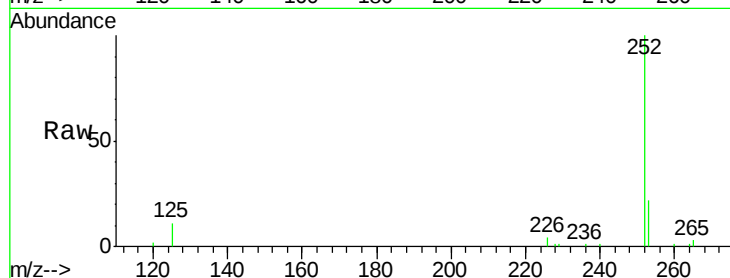
Tot Ion:252 Resp: 8985

Ion Ratio Lower Upper

252 100

253 22.4 0.0 64.2

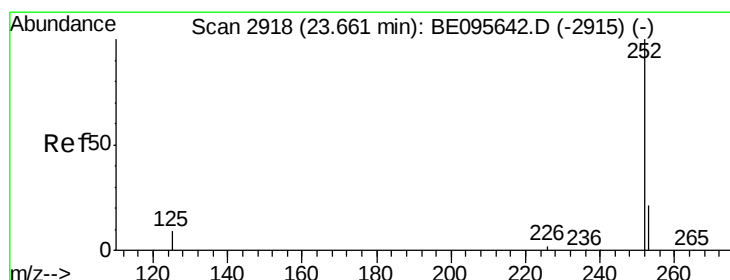
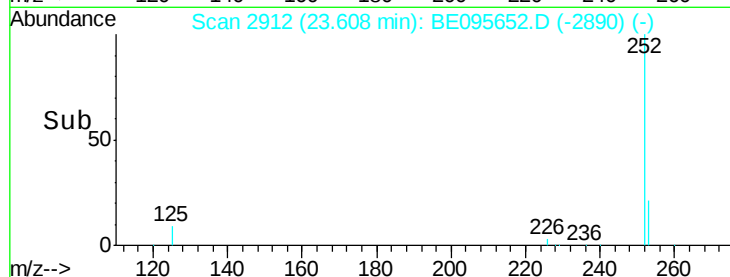
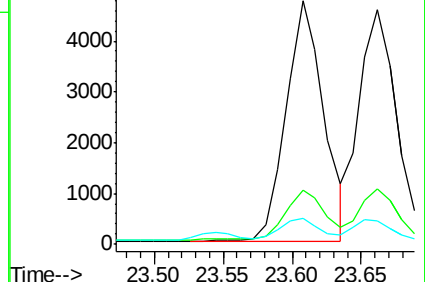
125 10.6 0.0 35.0



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: 0.407 ng/ul

RT: 23.66 min Scan# 2918

Delta R.T. 0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

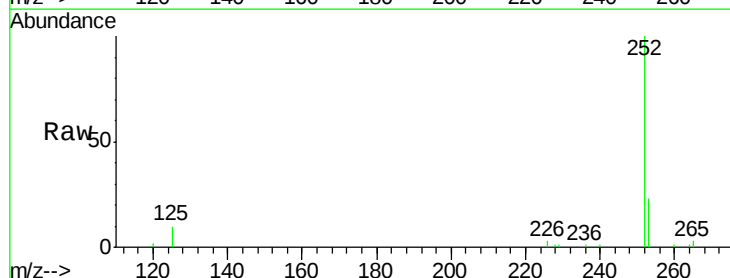
Tgt Ion:252 Resp: 8659

Ion Ratio Lower Upper

252 100

253 23.4 24.5 36.7#

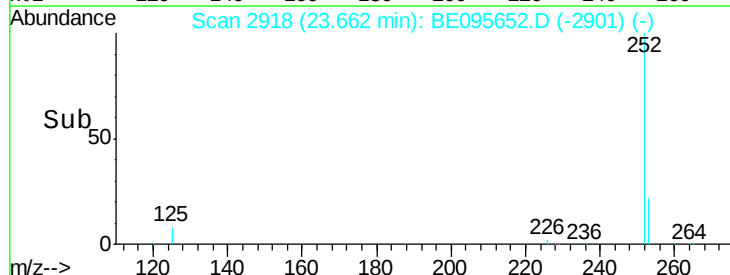
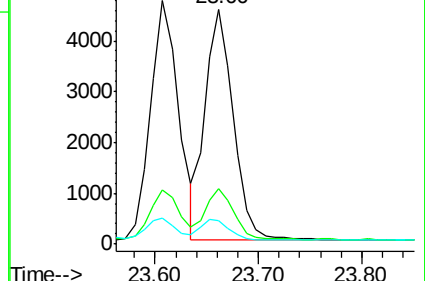
125 10.1 13.7 20.5#

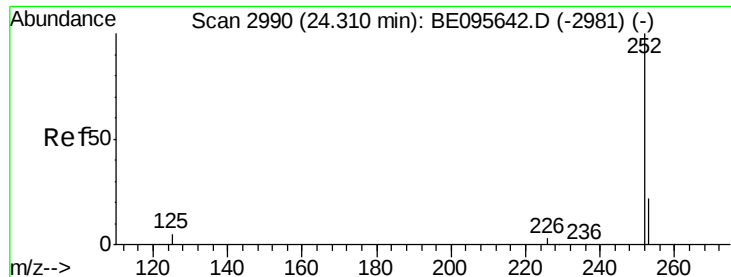


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.410 ng/ul

RT: 24.30 min Scan# 2989

Delta R.T. -0.01 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

Instrument :

BNA_E

ClientSampleId :

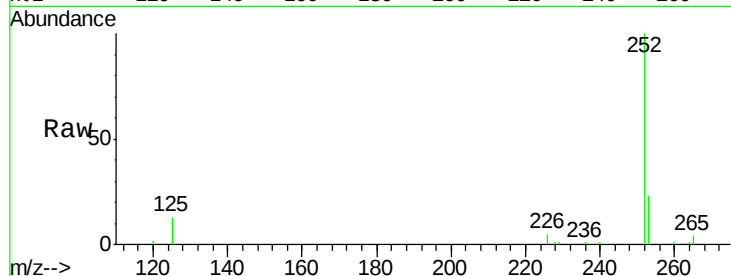
Tot Ion:252 Resp: 8501

Ion Ratio Lower Upper

252 100

253 23.3 28.5 42.7#

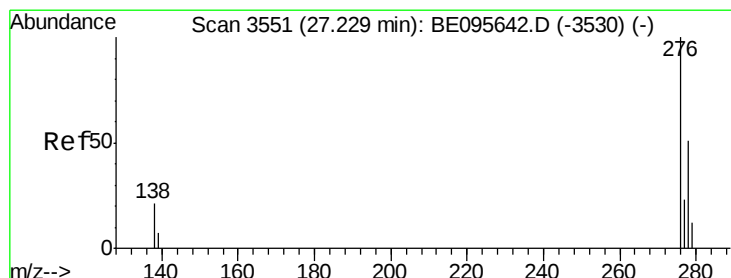
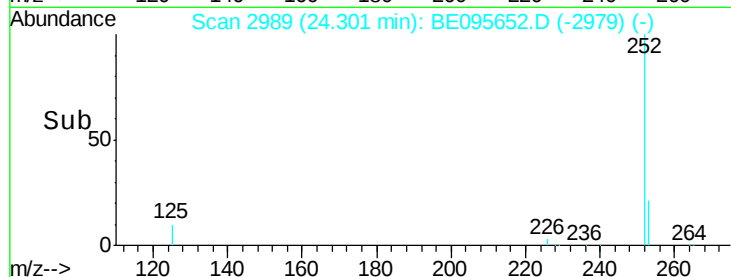
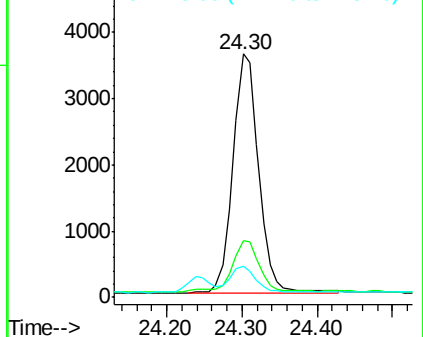
125 12.8 18.1 27.1#



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: 27.23 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

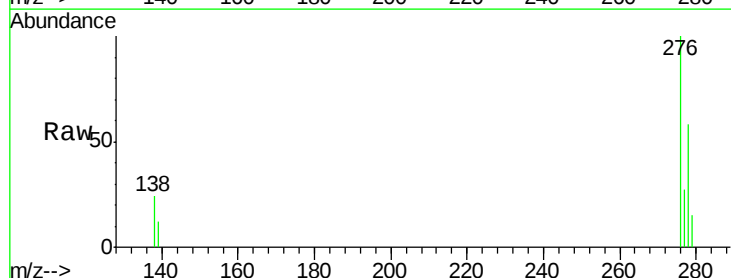
Tgt Ion:276 Resp: 9407

Ion Ratio Lower Upper

276 100

138 22.3 28.0 42.0#

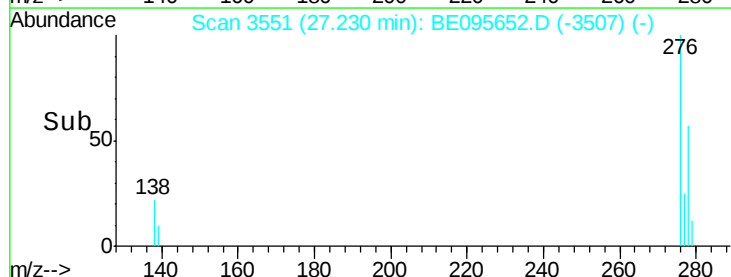
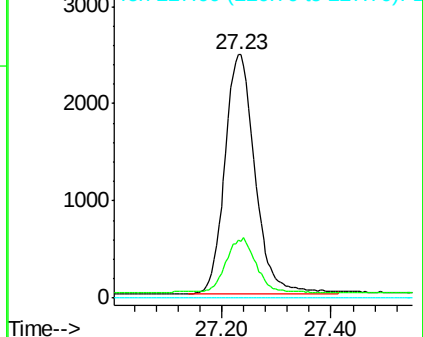
227 0.0 8.0 12.0#

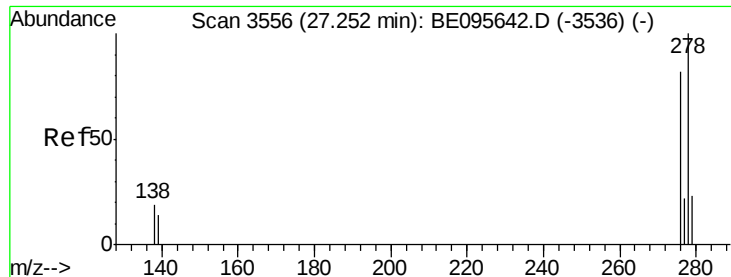


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.403 ng/ul

RT: 27.25 min Scan# 3555

Delta R.T. -0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

Instrument :

BNA_E

ClientSampleId :

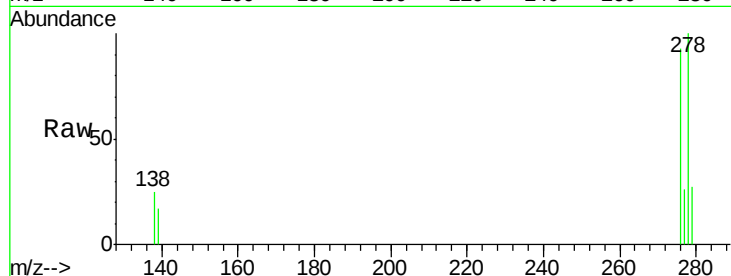
Tot Ion:278 Resp: 7511

Ion Ratio Lower Upper

278 100

139 17.0 17.4 26.0#

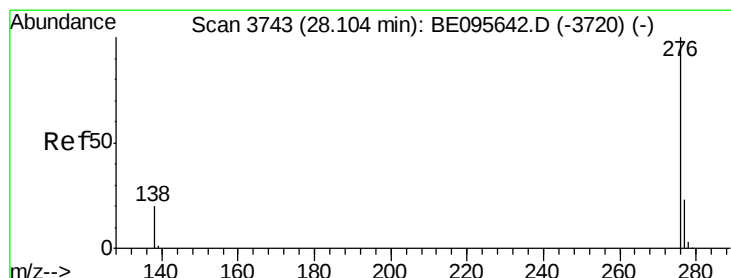
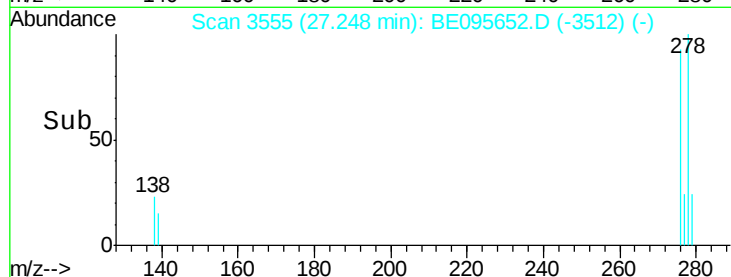
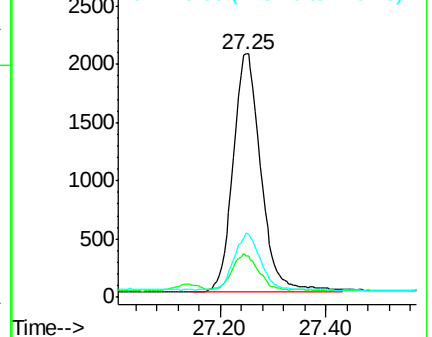
279 26.7 25.9 38.9



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: 0.410 ng/ul

RT: 28.11 min Scan# 3743

Delta R.T. 0.00 min

Lab File: BE095652.D

Acq: 12 Feb 2018 8:50

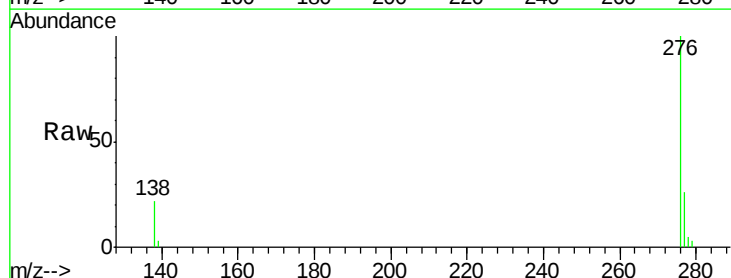
Tgt Ion:276 Resp: 7904

Ion Ratio Lower Upper

276 100

138 21.7 21.8 32.8#

277 25.7 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

