

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021218\
 Data File : BE095654.D
 Acq On : 12 Feb 2018 10:28
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 13 00:44:58 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 13 00:42:47 2018
 Response via : Initial Calibration

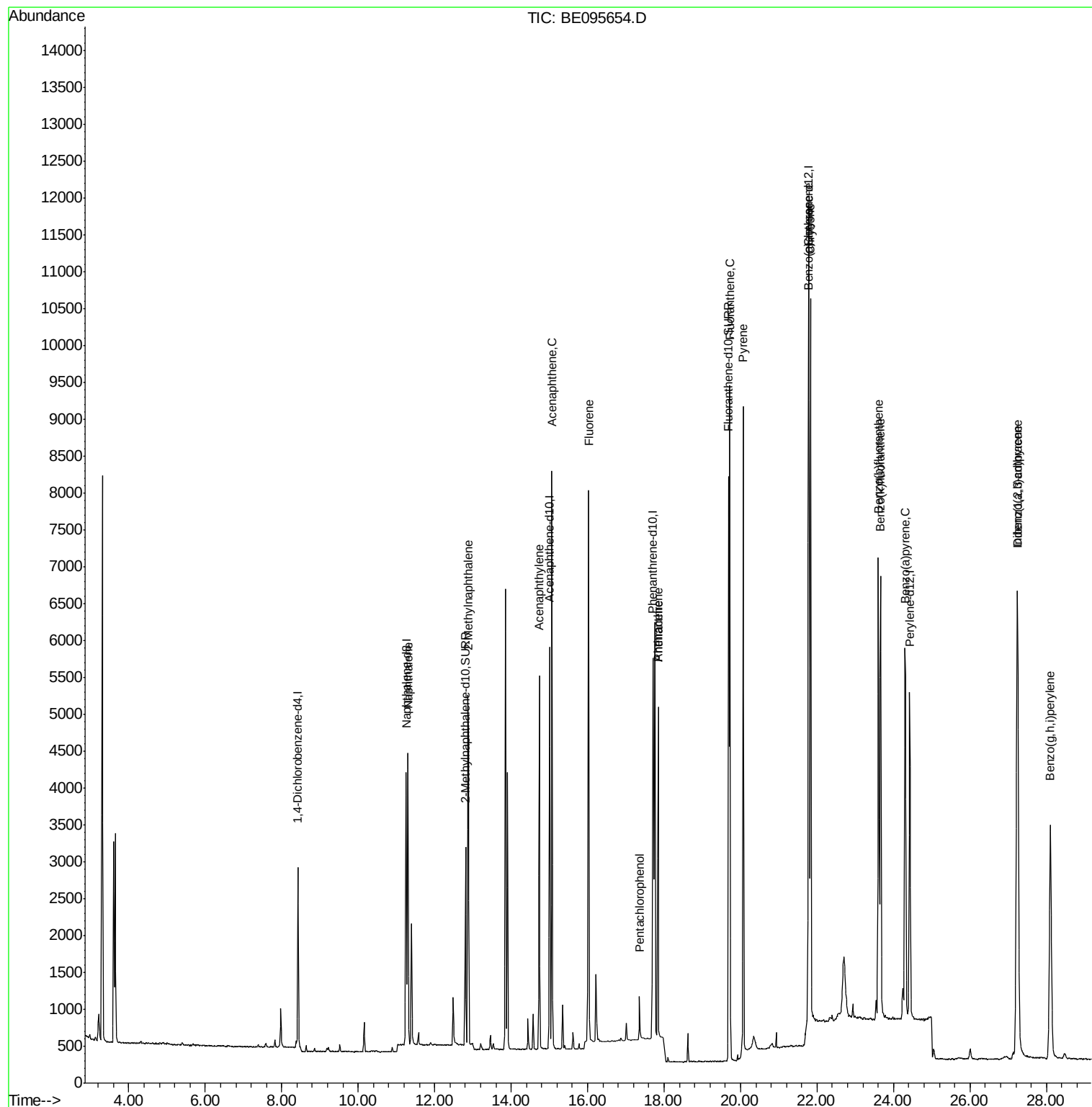
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1741	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	4982	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	2982	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	7200	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	7136	0.40	ng/ul	0.00
20) Perylene-d12	24.43	264	6756	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	3503	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	8952	0.32	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.30	128	5651	0.405	ng/ul#	89
5) 2-Methylnaphthalene	12.87	142	3991	0.428	ng/ul	100
7) Acenaphthylene	14.74	152	5987	0.417	ng/ul	97
8) Acenaphthene	15.07	153	4418	0.397	ng/ul	95
9) Fluorene	16.02	166	5229	0.456	ng/ul#	93
11) Pentachlorophenol	17.36	266	412	0.295	ng/ul	95
12) Phenanthrene	17.84	178	7186	0.297	ng/ul	95
13) Anthracene	17.84	178	7201	0.325	ng/ul	94
15) Fluoranthene	19.72	202	10023	0.320	ng/ul	85
17) Pyrene	20.07	202	11090	0.463	ng/ul#	78
18) Benzo(a)anthracene	21.78	228	9442	0.423	ng/ul#	86
19) Chrysene	21.83	228	9379	0.405	ng/ul	95
21) Benzo(b)fluoranthene	23.61	252	9128	0.383	ng/ul	85
22) Benzo(k)fluoranthene	23.66	252	8819	0.404	ng/ul#	86
23) Benzo(a)pyrene	24.30	252	8553	0.402	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	27.23	276	9564	0.410	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.25	278	7761	0.406	ng/ul#	89
26) Benzo(g,h,i)perylene	28.10	276	8086	0.409	ng/ul#	94

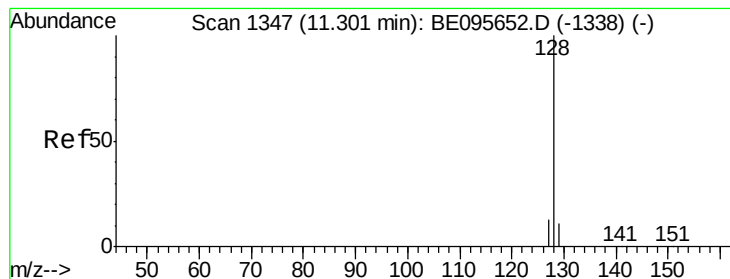
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.405 ng/ul

RT: 11.30 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BE095654.D

Acq: 12 Feb 2018 10:28

Instrument :

BNA_E

ClientSampleId :

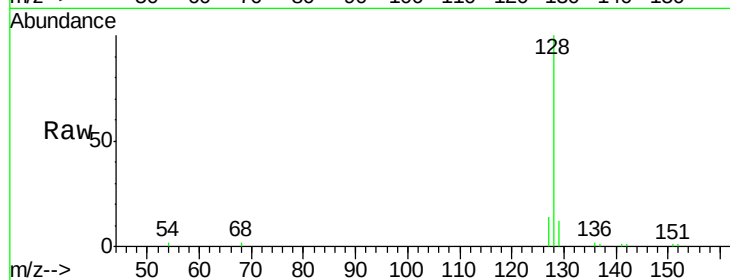
Tot Ion:128 Resp: 5651

Ion Ratio Lower Upper

128 100

129 12.2 11.3 16.9

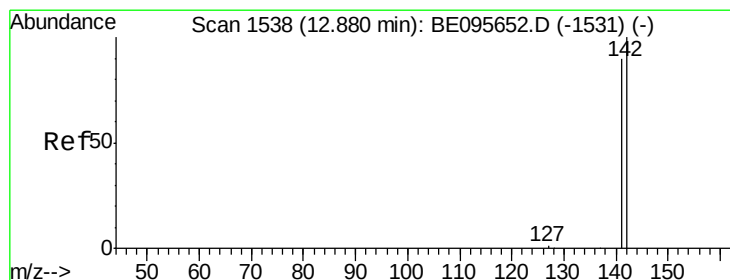
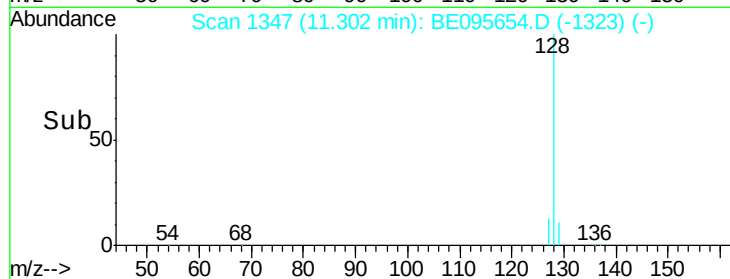
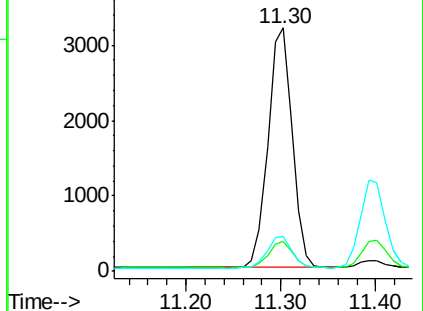
127 14.2 4.0 6.0#



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: 0.428 ng/ul

RT: 12.87 min Scan# 1537

Delta R.T. -0.01 min

Lab File: BE095654.D

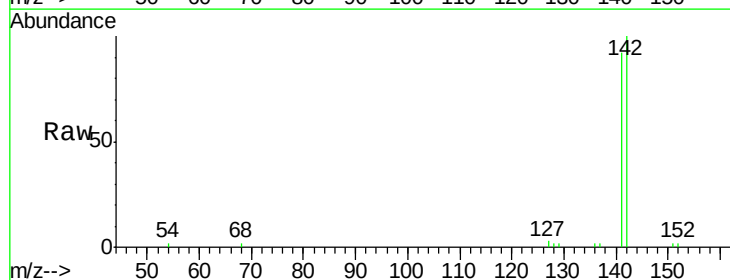
Acq: 12 Feb 2018 10:28

Tgt Ion:142 Resp: 3991

Ion Ratio Lower Upper

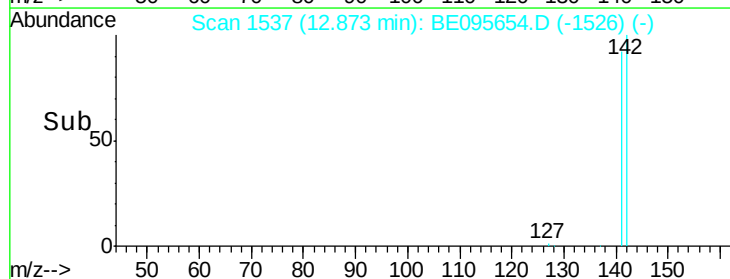
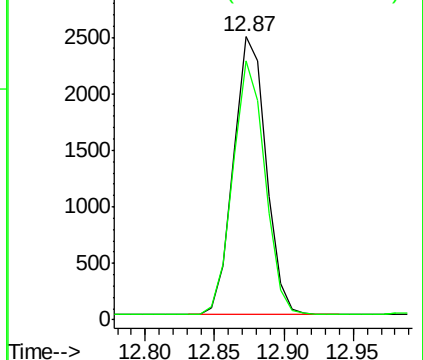
142 100

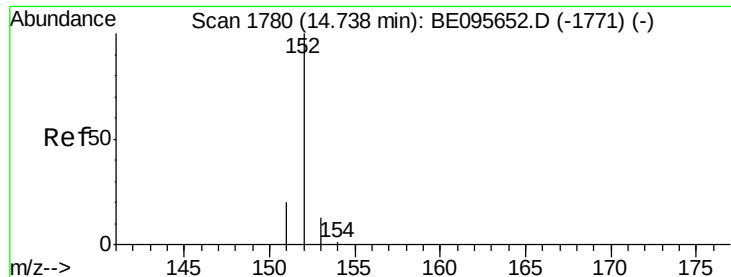
141 90.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.417 ng/ul

RT: 14.74 min Scan# 1780

Delta R.T. -0.00 min

Lab File: BE095654.D

Acq: 12 Feb 2018 10:28

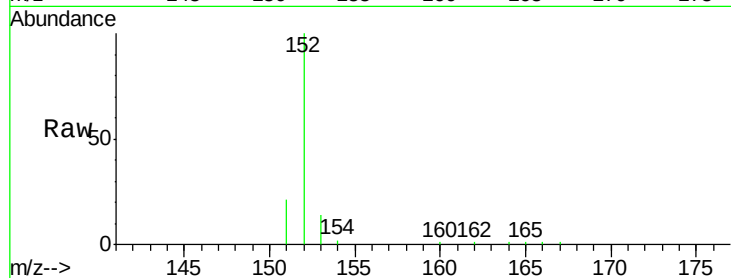
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 5987

Ion	Ratio	Lower	Upper
152	100		
151	20.6	17.1	25.7
153	14.2	12.8	19.2

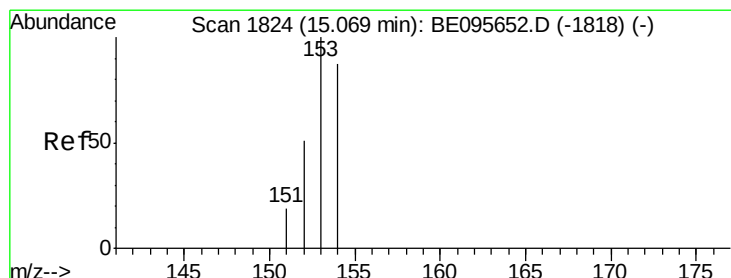
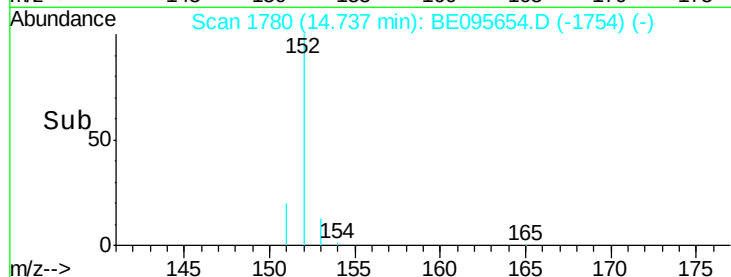
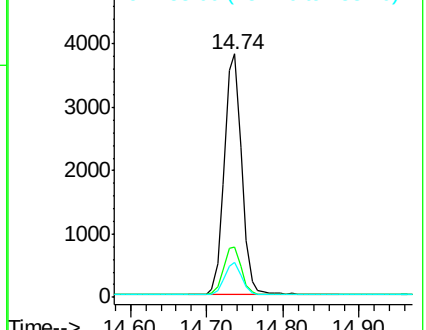


Abundance

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: 15.07 min Scan# 1824

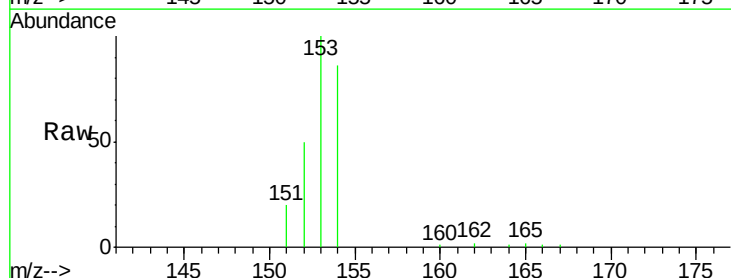
Delta R.T. -0.00 min

Lab File: BE095654.D

Acq: 12 Feb 2018 10:28

Tgt Ion:153 Resp: 4418

Ion	Ratio	Lower	Upper
153	100		
152	49.9	36.0	54.0
154	86.2	72.0	108.0

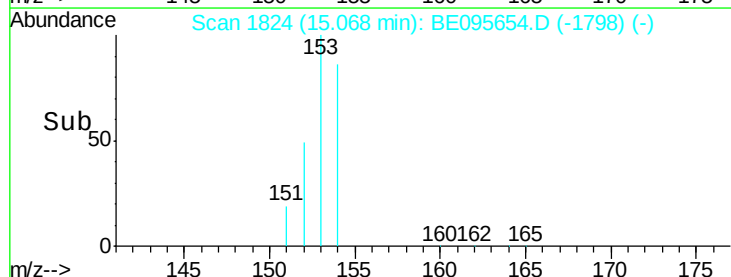
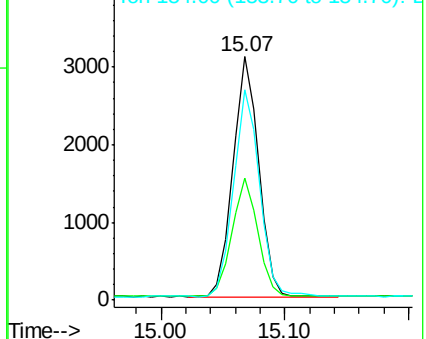


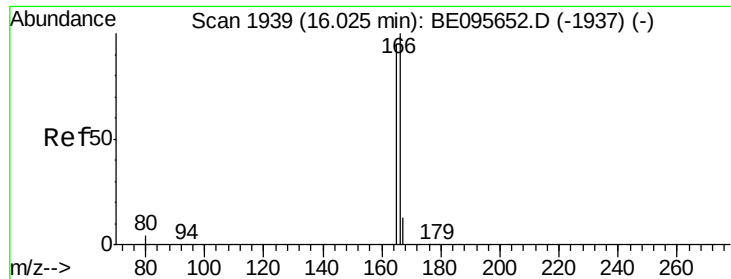
Abundance

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

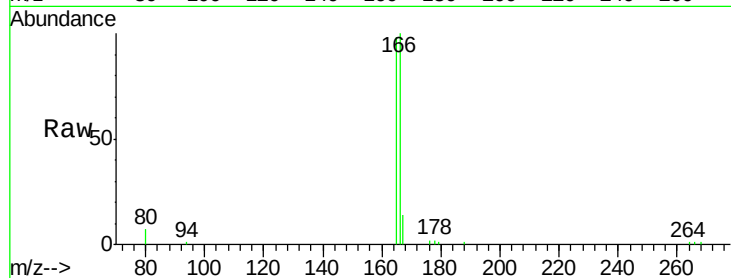




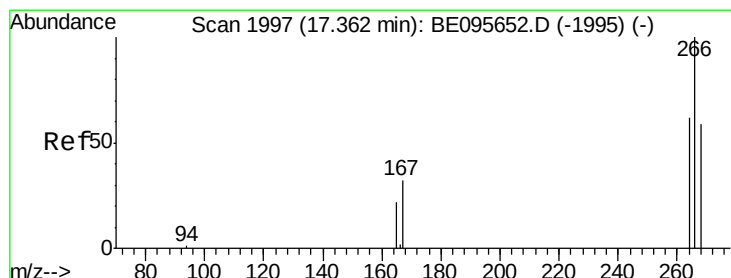
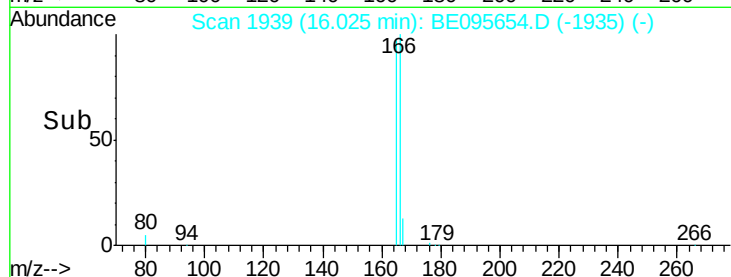
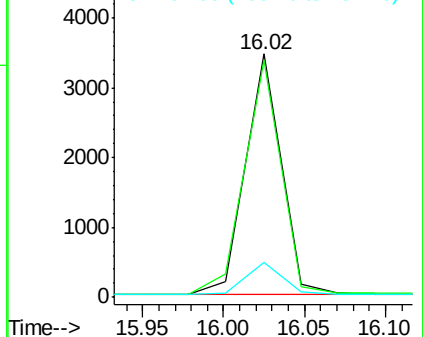
#9
Fluorene
 Concen: 0.456 ng/ul
 RT: 16.02 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: BE095654.D
 Acq: 12 Feb 2018 10:28

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:166 Resp: 5229
 Ion Ratio Lower Upper
 166 100
 165 97.6 73.4 110.2
 167 14.4 14.6 22.0#

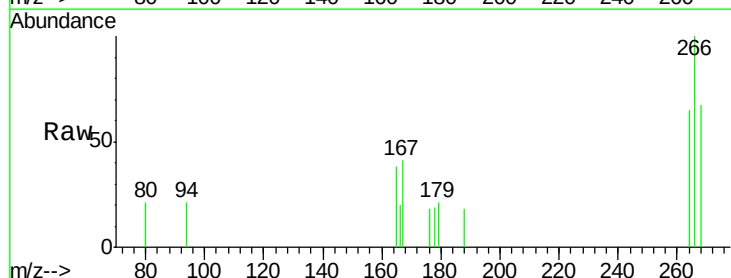


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

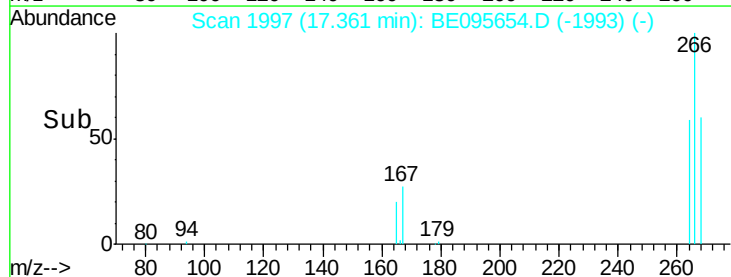
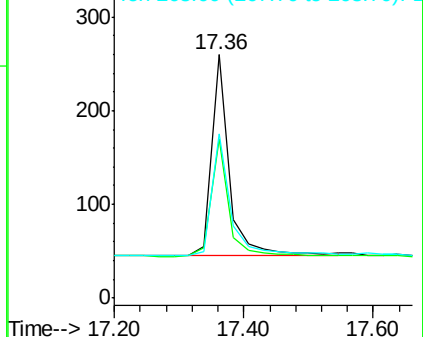


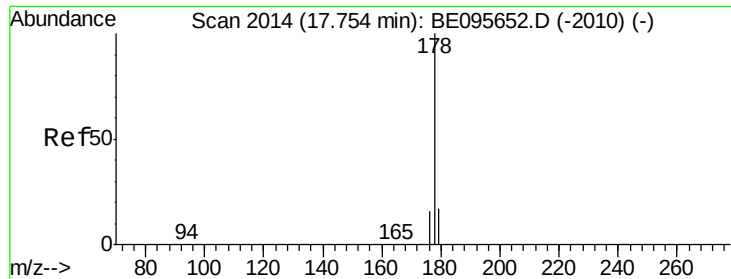
#11
Pentachlorophenol
 Concen: 0.295 ng/ul
 RT: 17.36 min Scan# 1997
 Delta R.T. -0.00 min
 Lab File: BE095654.D
 Acq: 12 Feb 2018 10:28

Tgt Ion:266 Resp: 412
 Ion Ratio Lower Upper
 266 100
 264 56.8 47.9 71.9
 268 66.5 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

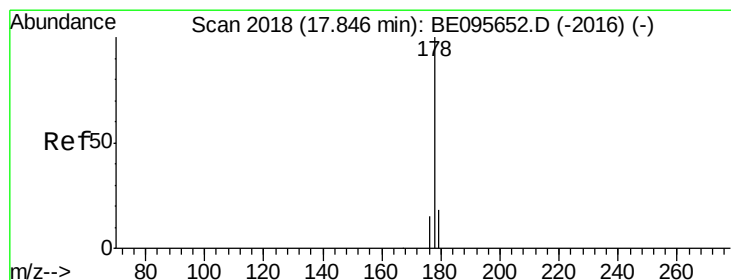
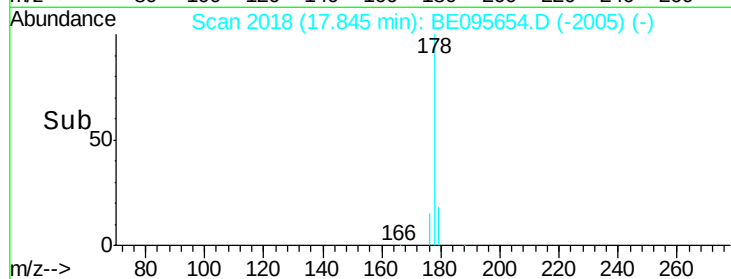
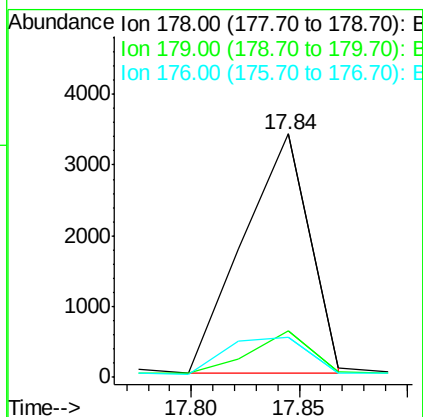
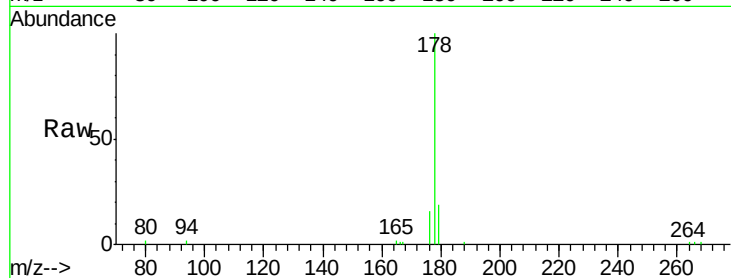




#12
Phenanthrene
Concen: 0.297 ng/ul
RT: 17.84 min Scan# 2018
Delta R.T. 0.09 min
Lab File: BE095654.D
Acq: 12 Feb 2018 10:28

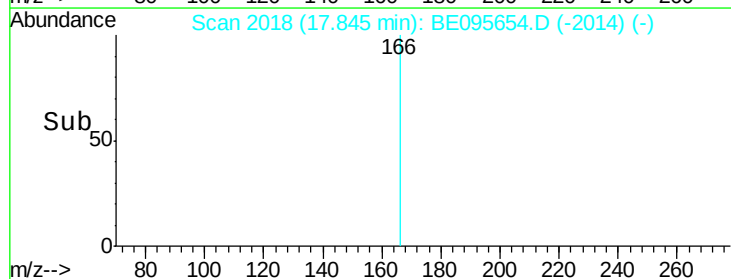
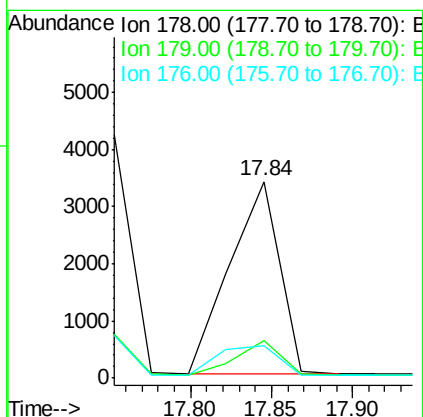
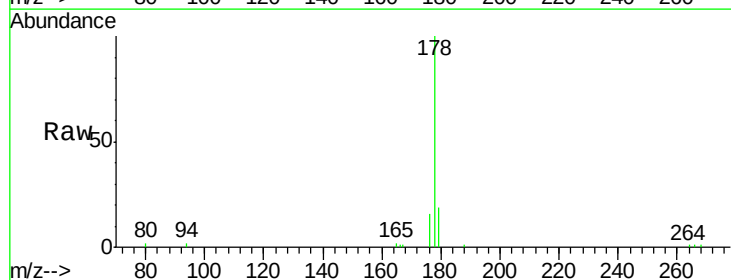
Instrument :
BNA_E
ClientSampleId :

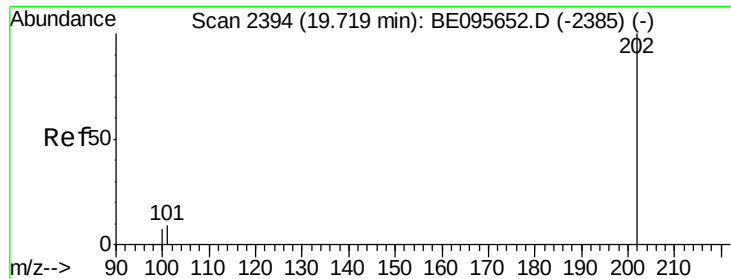
Tot Ion:178 Resp: 7186
Ion Ratio Lower Upper
178 100
179 19.0 18.4 27.6
176 16.2 13.6 20.4



#13
Anthracene
Concen: 0.325 ng/ul
RT: 17.84 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BE095654.D
Acq: 12 Feb 2018 10:28

Tgt Ion:178 Resp: 7201
Ion Ratio Lower Upper
178 100
179 19.0 18.1 27.1
176 16.2 14.7 22.1





#15

Fluoranthene

Concen: 0.320 ng/ul

RT: 19.72 min Scan# 2393

Delta R.T. -0.00 min

Lab File: BE095654.D

Acq: 12 Feb 2018 10:28

Instrument :

BNA_E

ClientSampleId :

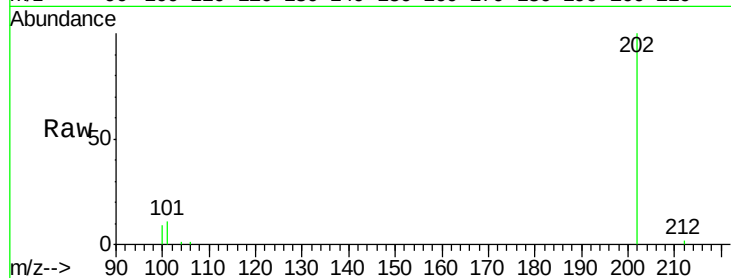
Tot Ion:202 Resp: 10023

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.3

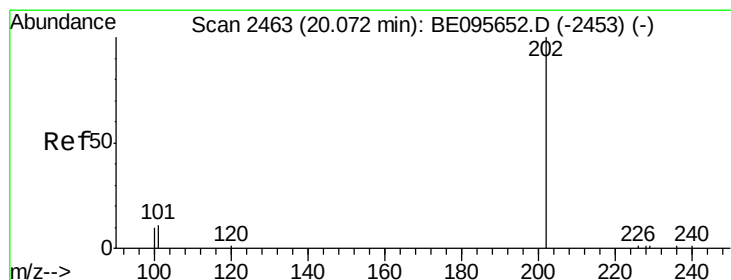
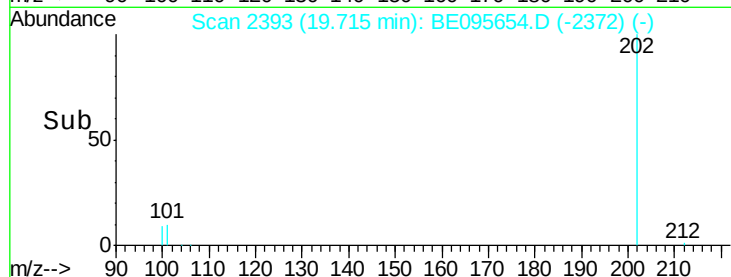
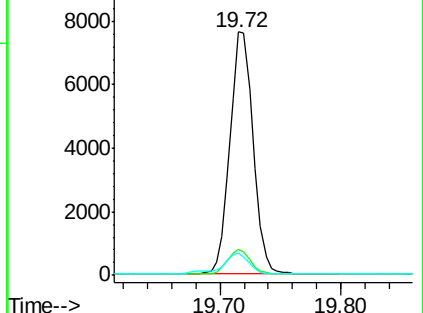
100 9.1 0.0 39.5



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: 0.463 ng/ul

RT: 20.07 min Scan# 2463

Delta R.T. 0.00 min

Lab File: BE095654.D

Acq: 12 Feb 2018 10:28

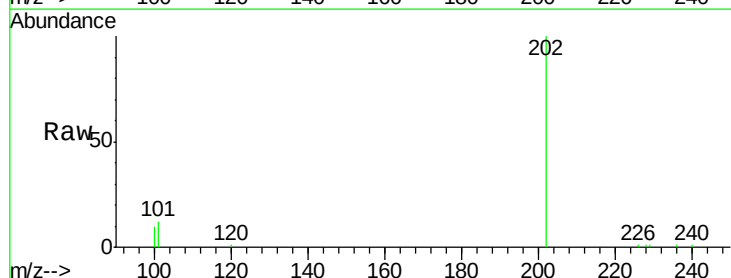
Tgt Ion:202 Resp: 11090

Ion Ratio Lower Upper

202 100

101 11.6 18.2 27.4#

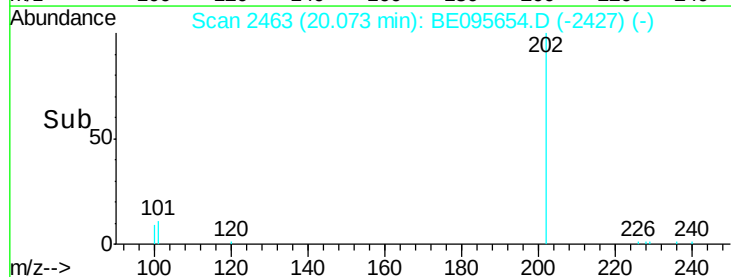
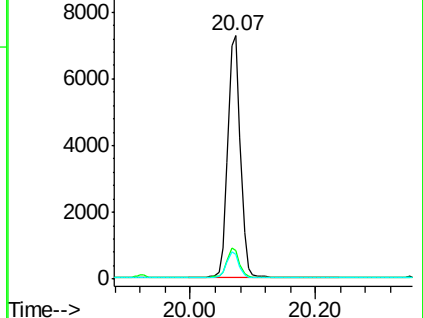
100 9.9 15.6 23.4#

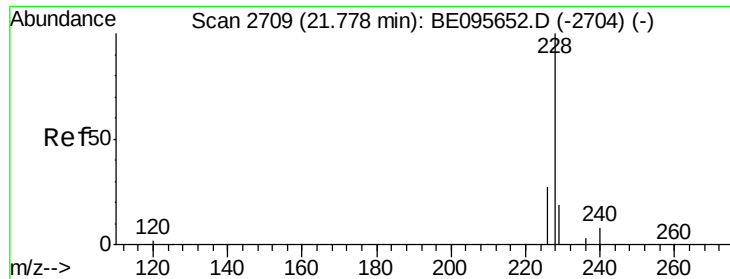


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.423 ng/ul

RT: 21.78 min Scan# 2709

Delta R.T. -0.00 min

Lab File: BE095654.D

Acq: 12 Feb 2018 10:28

Instrument :

BNA_E

ClientSampleId :

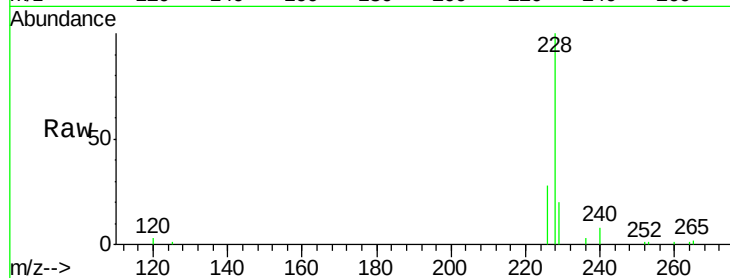
Tot Ion:228 Resp: 9442

Ion Ratio Lower Upper

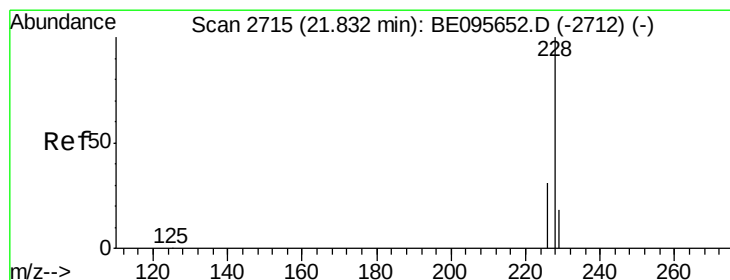
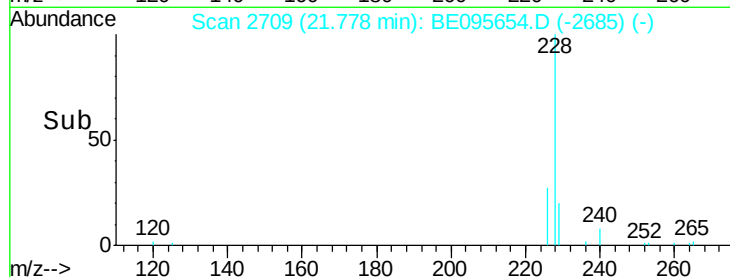
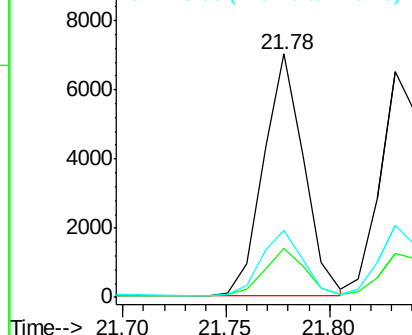
228 100

229 20.4 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: 0.405 ng/ul

RT: 21.83 min Scan# 2715

Delta R.T. -0.00 min

Lab File: BE095654.D

Acq: 12 Feb 2018 10:28

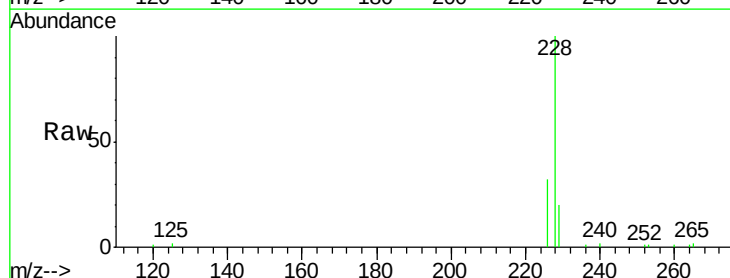
Tgt Ion:228 Resp: 9379

Ion Ratio Lower Upper

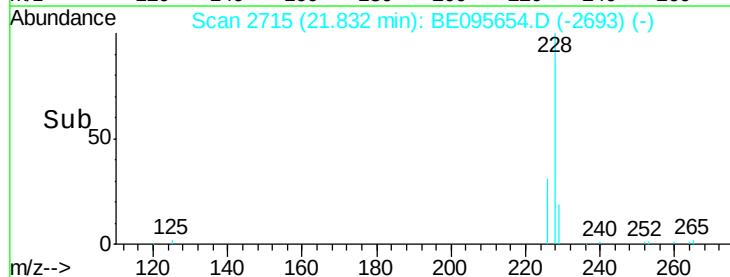
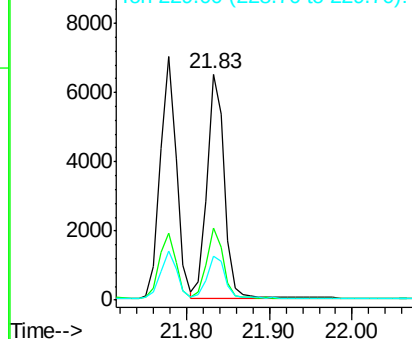
228 100

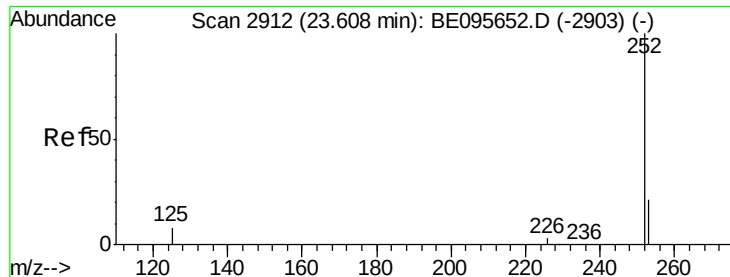
226 31.8 23.4 35.0

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

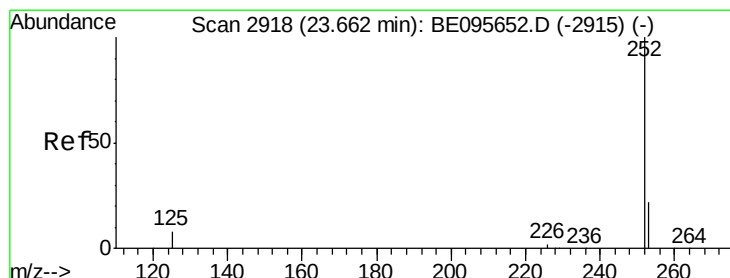
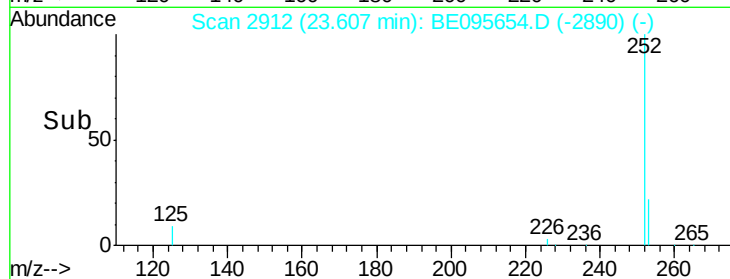
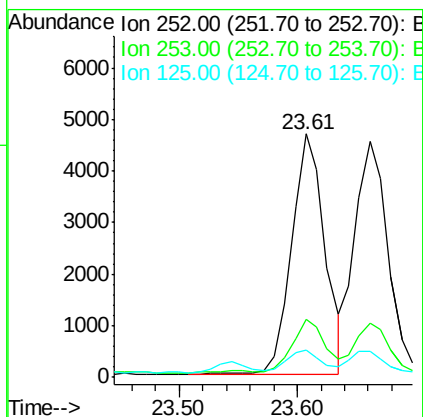
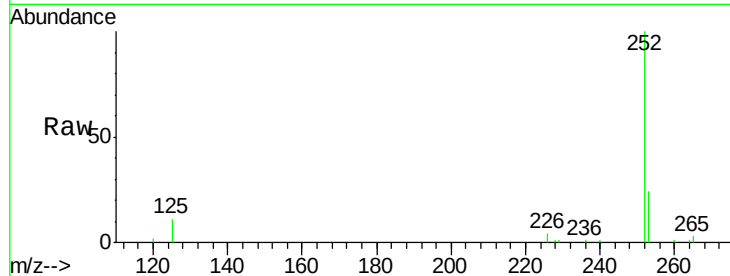




#21
Benzo(b)fluoranthene
Concen: 0.383 ng/ul
RT: 23.61 min Scan# 2912
Delta R.T. -0.00 min
Lab File: BE095654.D
Acq: 12 Feb 2018 10:28

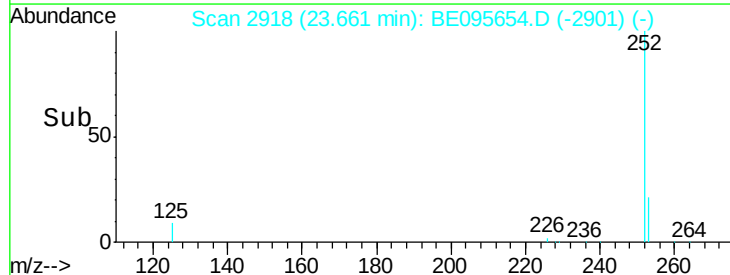
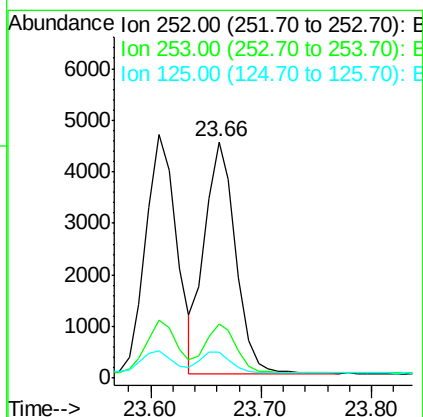
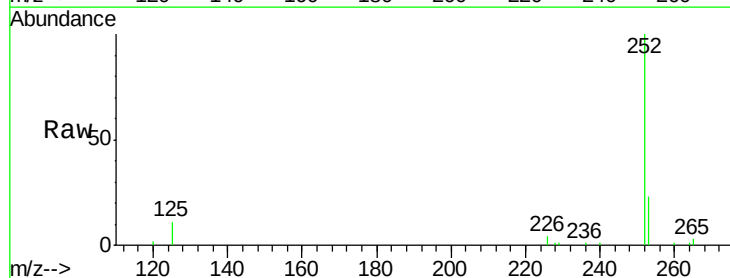
Instrument :
BNA_E
ClientSampleId :

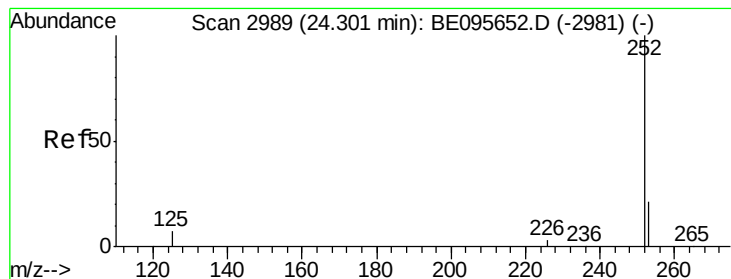
Tot Ion:252 Resp: 9128
Ion Ratio Lower Upper
252 100
253 23.8 0.0 64.2
125 11.4 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.404 ng/ul
RT: 23.66 min Scan# 2918
Delta R.T. -0.00 min
Lab File: BE095654.D
Acq: 12 Feb 2018 10:28

Tgt Ion:252 Resp: 8819
Ion Ratio Lower Upper
252 100
253 22.9 24.5 36.7#
125 11.1 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.402 ng/ul

RT: 24.30 min Scan# 2989

Delta R.T. -0.00 min

Lab File: BE095654.D

Acq: 12 Feb 2018 10:28

Instrument :

BNA_E

ClientSampleId :

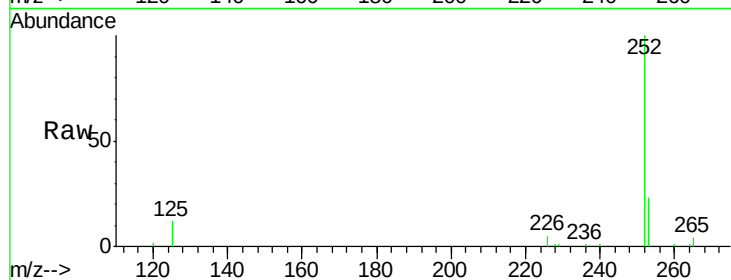
Tot Ion:252 Resp: 8553

Ion Ratio Lower Upper

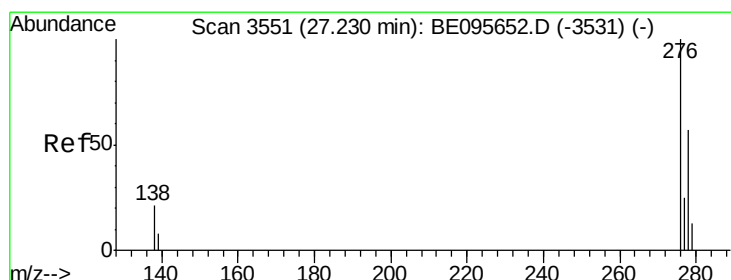
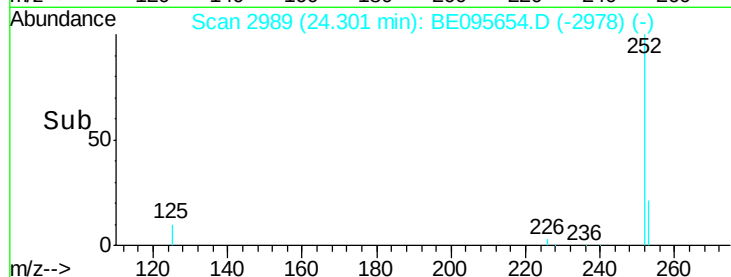
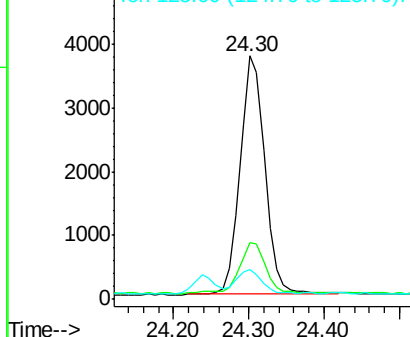
252 100

253 23.2 28.5 42.7#

125 12.2 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: 0.410 ng/ul

RT: 27.23 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BE095654.D

Acq: 12 Feb 2018 10:28

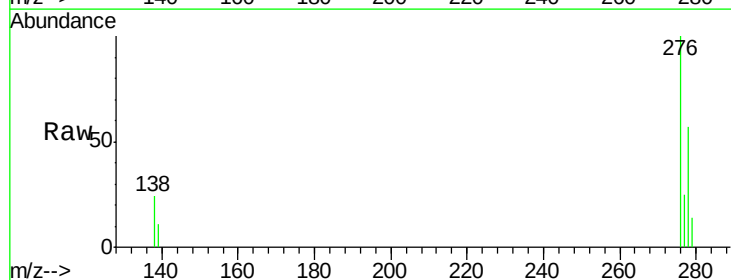
Tgt Ion:276 Resp: 9564

Ion Ratio Lower Upper

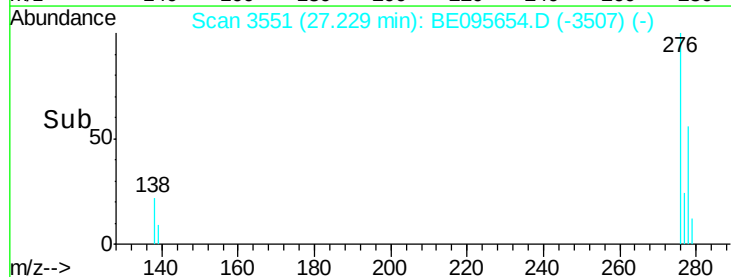
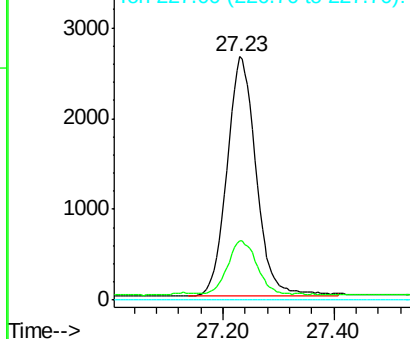
276 100

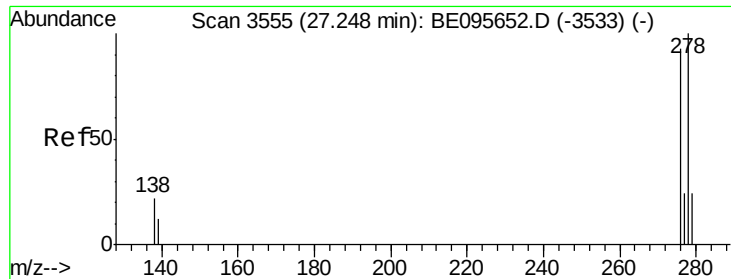
138 23.2 28.0 42.0#

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: 27.25 min Scan# 3555

Delta R.T. -0.00 min

Lab File: BE095654.D

Acq: 12 Feb 2018 10:28

Instrument :

BNA_E

ClientSampleId :

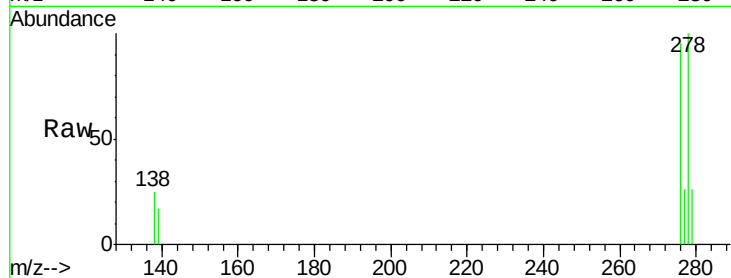
Tot Ion:278 Resp: 7761

Ion Ratio Lower Upper

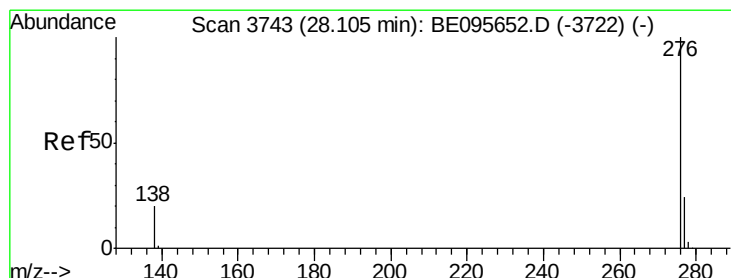
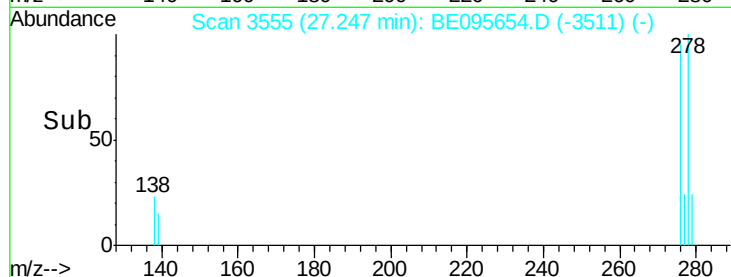
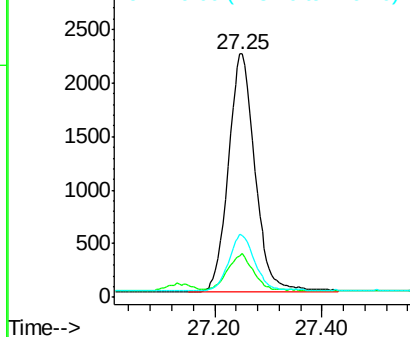
278 100

139 17.1 17.4 26.0#

279 25.9 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: 28.10 min Scan# 3743

Delta R.T. -0.00 min

Lab File: BE095654.D

Acq: 12 Feb 2018 10:28

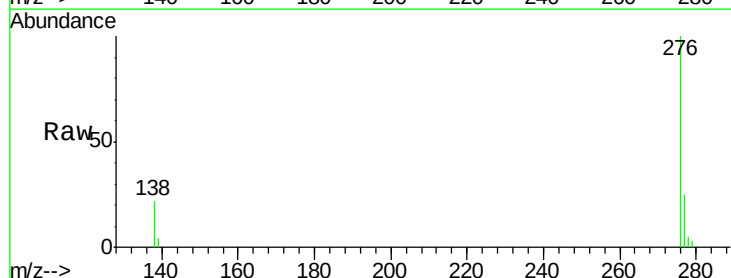
Tgt Ion:276 Resp: 8086

Ion Ratio Lower Upper

276 100

138 21.8 21.8 32.8#

277 25.3 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

