

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
 Data File : BE095642.D
 Acq On : 10 Feb 2018 11:54
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

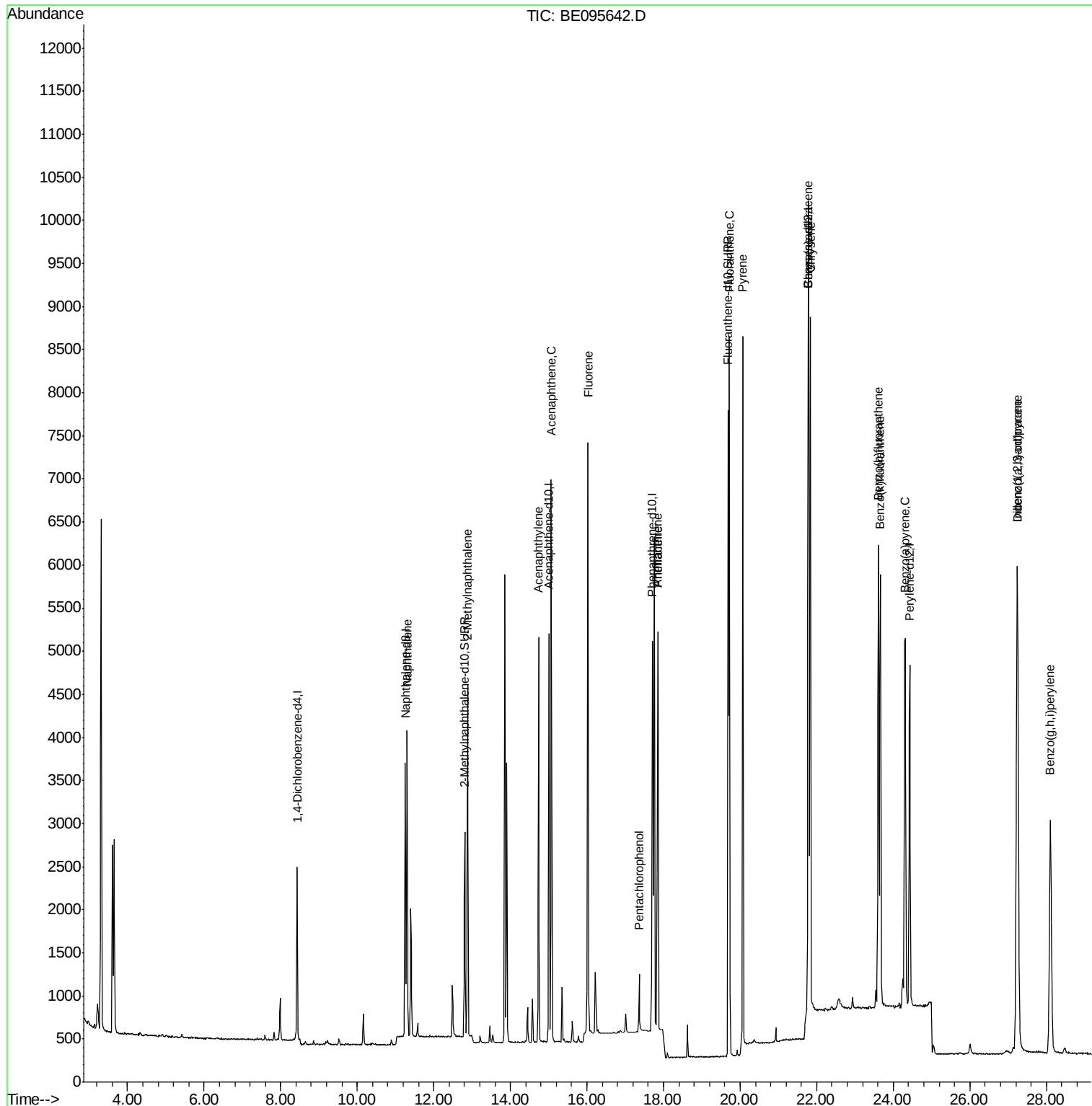
Quant Time: Feb 12 00:21:11 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 10 02:59:57 2018
 Response via : Initial Calibration

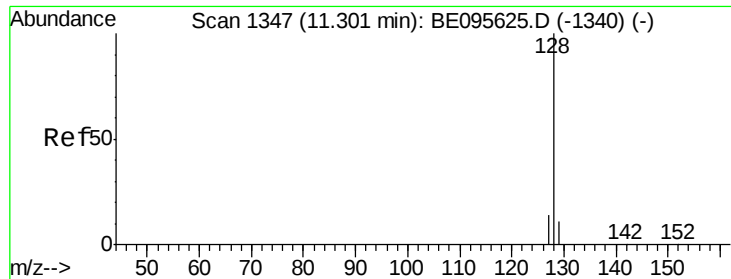
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1539	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	4231	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	2596	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	6340	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	6204	0.40	ng/ul	0.00
20) Perylene-d12	24.43	264	5896	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	3003	0.44	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	8013	0.33	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.30	128	4809	0.406	ng/ul#	89
5) 2-Methylnaphthalene	12.88	142	3398	0.430	ng/ul	100
7) Acenaphthylene	14.74	152	5252	0.420	ng/ul	98
8) Acenaphthene	15.07	153	3912	0.404	ng/ul	93
9) Fluorene	16.02	166	4749	0.475	ng/ul#	91
11) Pentachlorophenol	17.36	266	449	0.366	ng/ul	93
12) Phenanthrene	17.84	178	6676	0.313	ng/ul	95
13) Anthracene	17.84	178	6694	0.343	ng/ul	94
15) Fluoranthene	19.72	202	9044	0.328	ng/ul	83
17) Pyrene	20.07	202	9786	0.470	ng/ul#	78
18) Benzo(a)anthracene	21.78	228	8410	0.434	ng/ul#	85
19) Chrysene	21.84	228	8159	0.405	ng/ul	99
21) Benzo(b)fluoranthene	23.61	252	7827	0.376	ng/ul	86
22) Benzo(k)fluoranthene	23.66	252	7711	0.405	ng/ul#	87
23) Benzo(a)pyrene	24.31	252	7415	0.399	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	27.23	276	8433	0.414	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.25	278	6920	0.415	ng/ul	90
26) Benzo(g,h,i)perylene	28.10	276	7062	0.409	ng/ul	94

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

```
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#3

Naphthalene

Concen: 0.406 ng/ul

RT: 11.30 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BE095642.D

Acq: 10 Feb 2018 11:54

Instrument :

BNA_E

ClientSampleId :

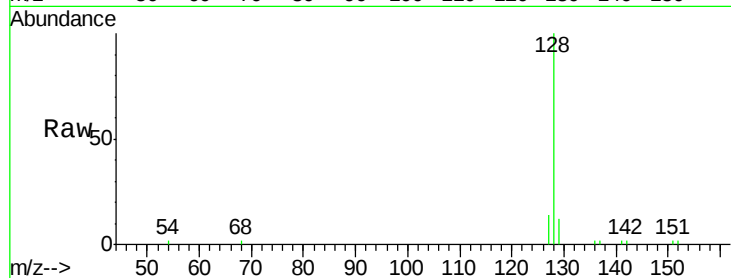
Tot Ion:128 Resp: 4809

Ion Ratio Lower Upper

128 100

129 12.1 11.3 16.9

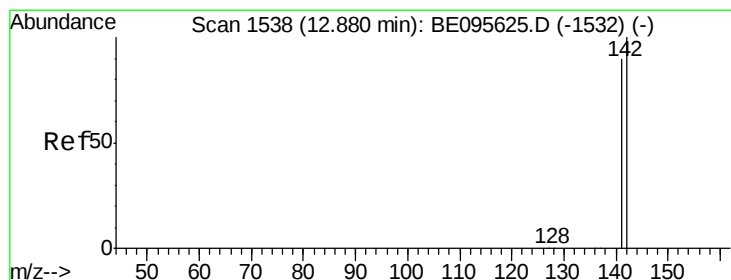
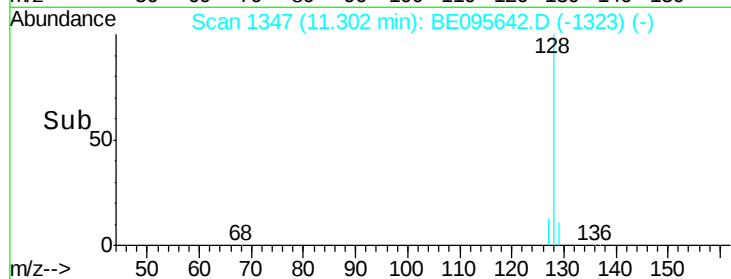
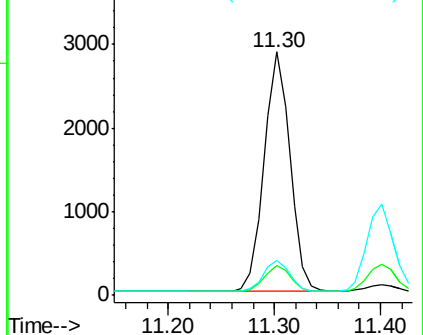
127 14.5 4.0 6.0#



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: 0.430 ng/ul

RT: 12.88 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BE095642.D

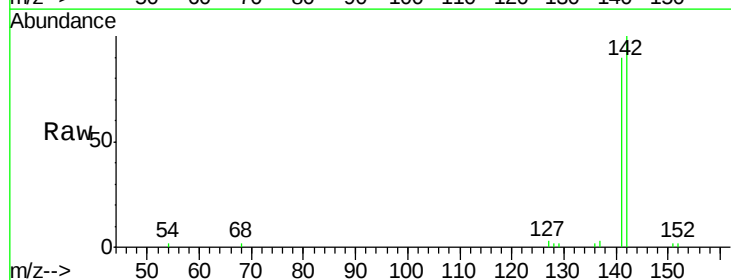
Acq: 10 Feb 2018 11:54

Tgt Ion:142 Resp: 3398

Ion Ratio Lower Upper

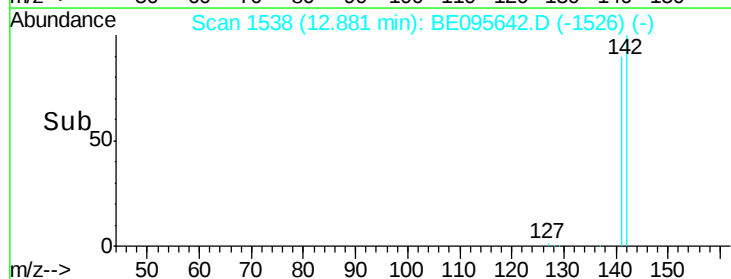
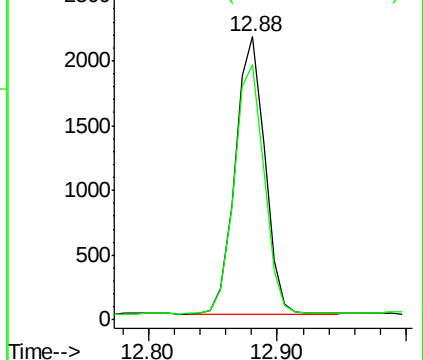
142 100

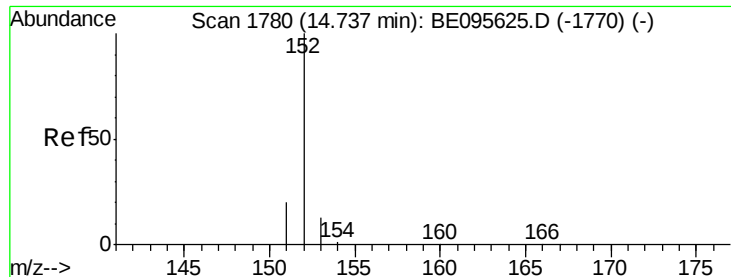
141 91.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.420 ng/ul

RT: 14.74 min Scan# 1780

Delta R.T. -0.00 min

Lab File: BE095642.D

Acq: 10 Feb 2018 11:54

Instrument :

BNA_E

ClientSampleId :

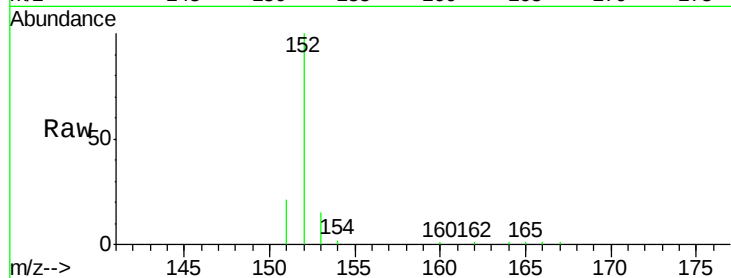
Tot Ion:152 Resp: 5252

Ion Ratio Lower Upper

152 100

151 20.9 17.1 25.7

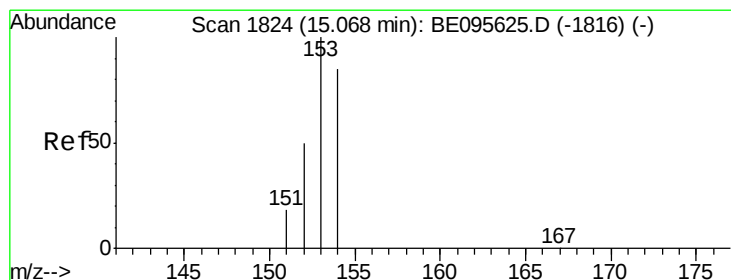
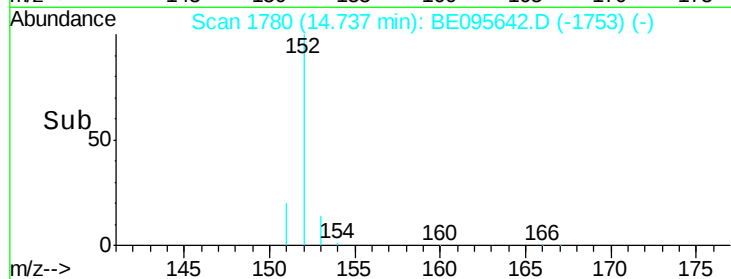
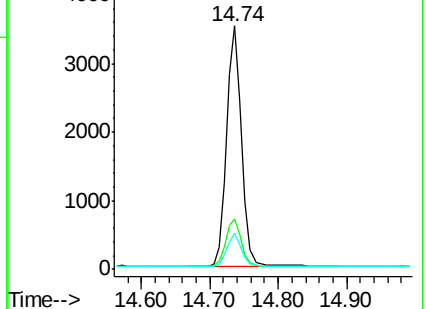
153 14.6 12.8 19.2



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: 15.07 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BE095642.D

Acq: 10 Feb 2018 11:54

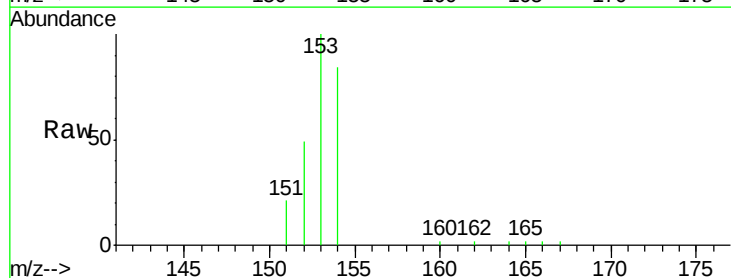
Tgt Ion:153 Resp: 3912

Ion Ratio Lower Upper

153 100

152 49.5 36.0 54.0

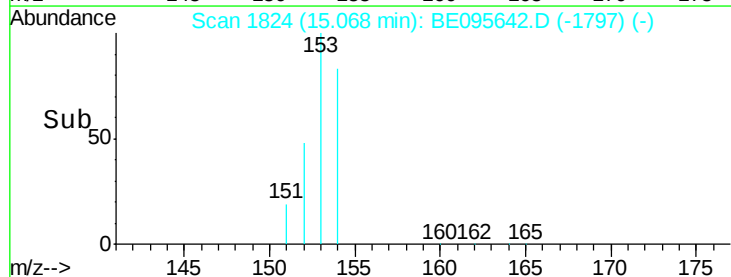
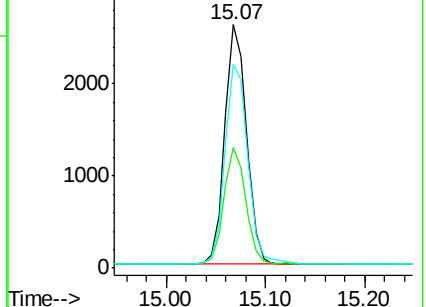
154 83.5 72.0 108.0

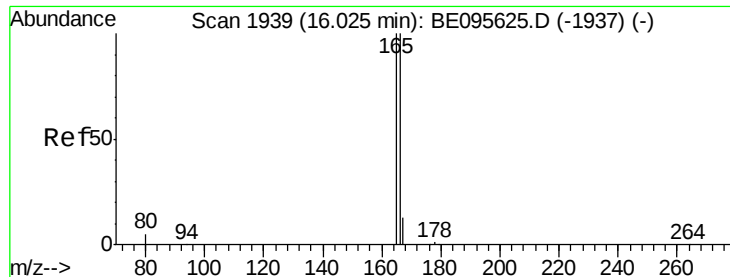


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

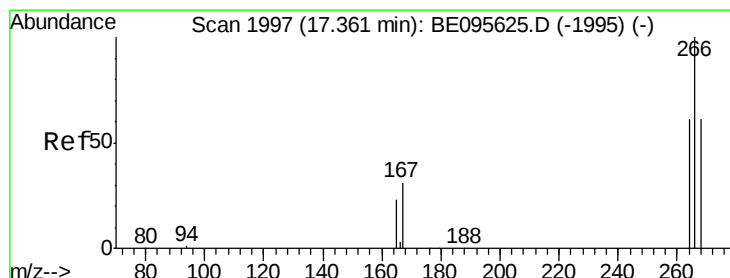
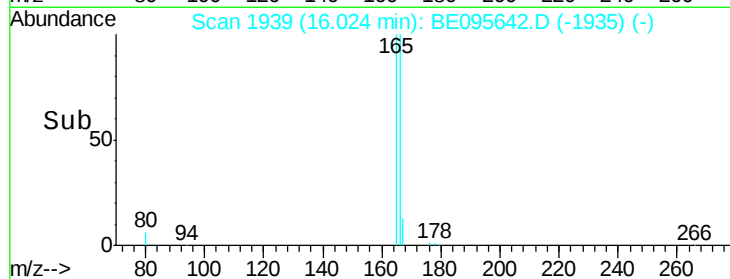
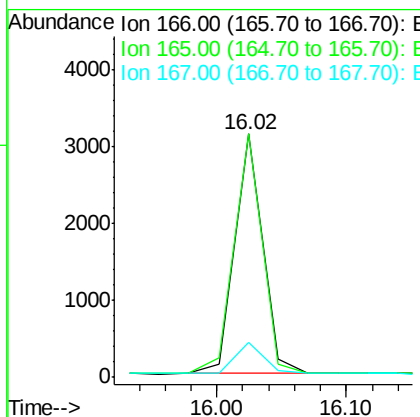
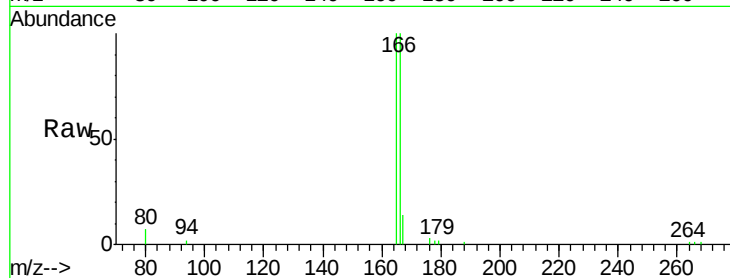




#9
Fluorene
 Concen: 0.475 ng/ul
 RT: 16.02 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: BE095642.D
 Acq: 10 Feb 2018 11:54

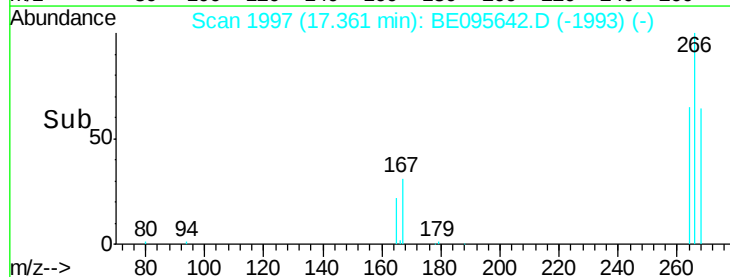
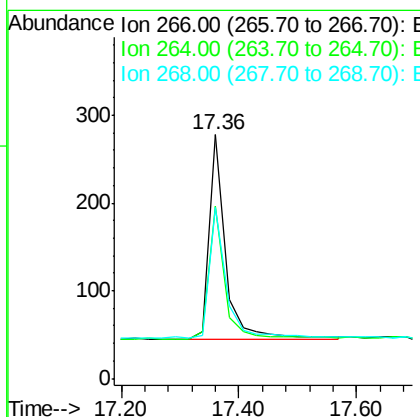
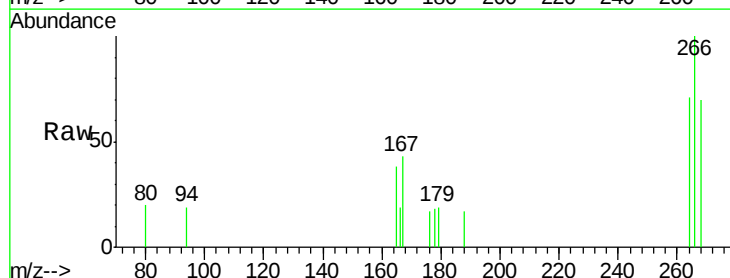
Instrument :
 BNA_E
 ClientSampleId :

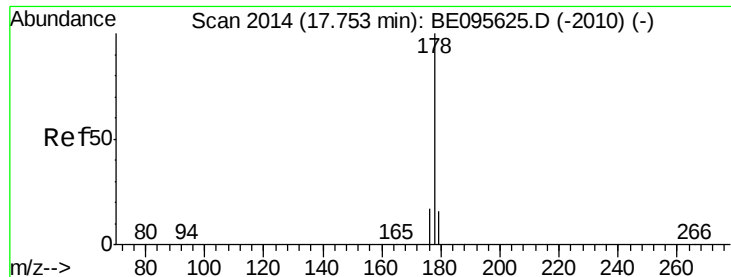
Tot Ion:166 Resp: 4749
 Ion Ratio Lower Upper
 166 100
 165 99.9 73.4 110.2
 167 14.2 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.366 ng/ul
 RT: 17.36 min Scan# 1997
 Delta R.T. -0.00 min
 Lab File: BE095642.D
 Acq: 10 Feb 2018 11:54

Tgt Ion:266 Resp: 449
 Ion Ratio Lower Upper
 266 100
 264 65.3 47.9 71.9
 268 67.0 49.8 74.8





#12

Phenanthrene

Concen: 0.313 ng/ul

RT: 17.84 min Scan# 2018

Delta R.T. 0.09 min

Lab File: BE095642.D

Acq: 10 Feb 2018 11:54

Instrument :

BNA_E

ClientSampleId :

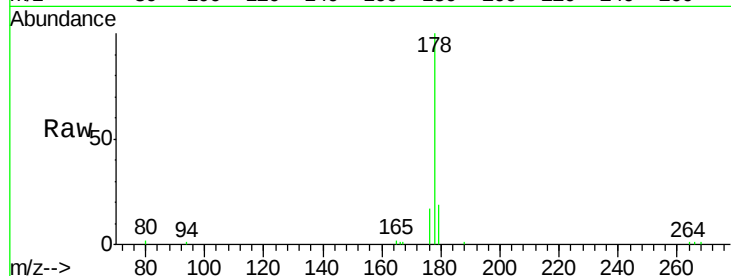
Tot Ion:178 Resp: 6676

Ion Ratio Lower Upper

178 100

179 18.8 18.4 27.6

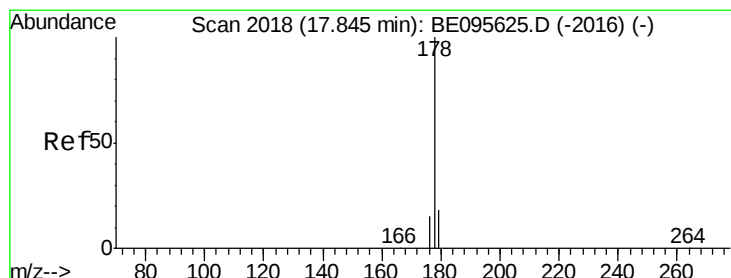
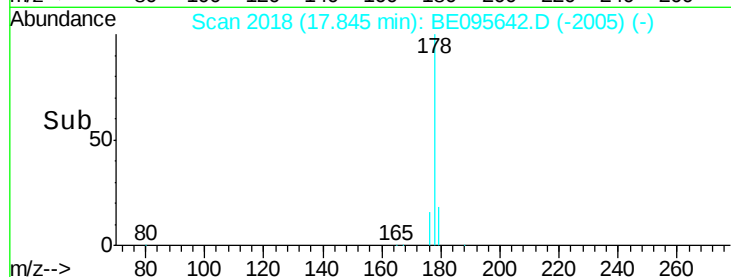
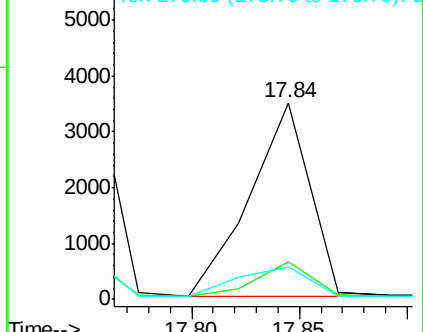
176 16.7 13.6 20.4



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: 0.343 ng/ul

RT: 17.84 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BE095642.D

Acq: 10 Feb 2018 11:54

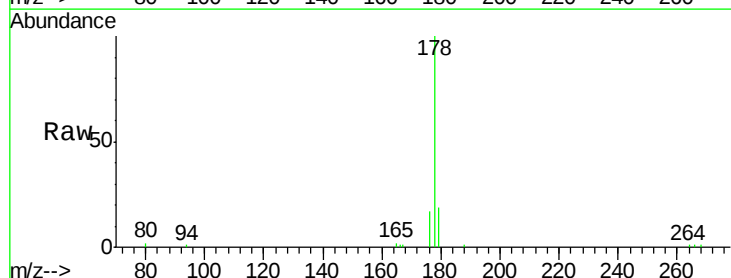
Tgt Ion:178 Resp: 6694

Ion Ratio Lower Upper

178 100

179 18.8 18.1 27.1

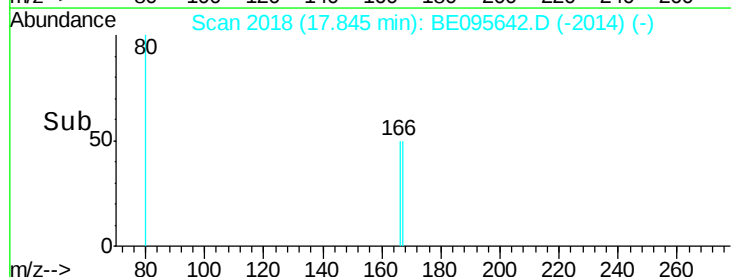
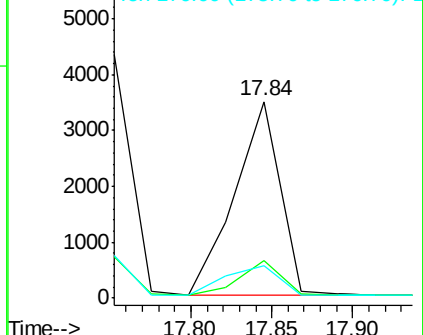
176 16.7 14.7 22.1

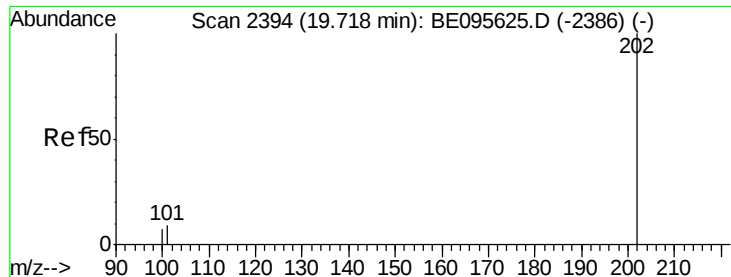


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

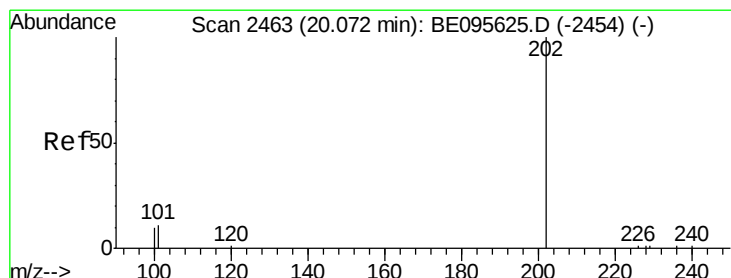
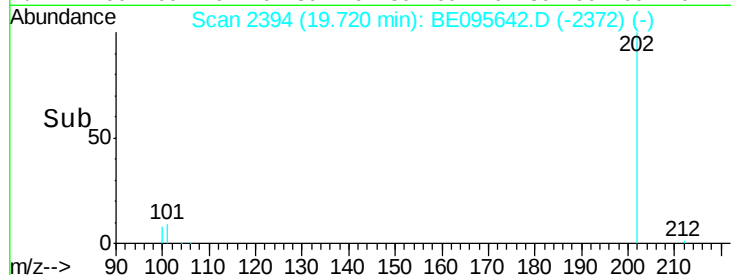
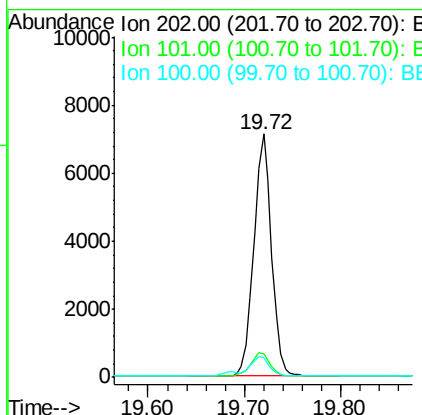
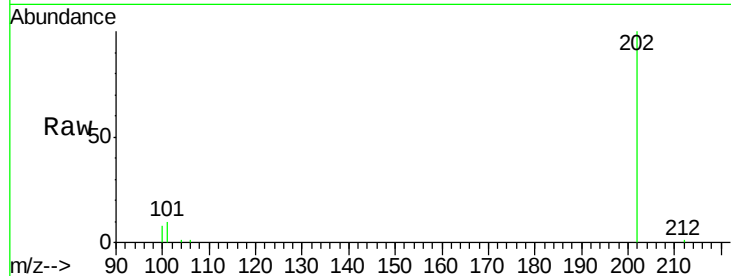




#15
Fluoranthene
Concen: 0.328 ng/ul
RT: 19.72 min Scan# 2394
Delta R.T. 0.00 min
Lab File: BE095642.D
Acq: 10 Feb 2018 11:54

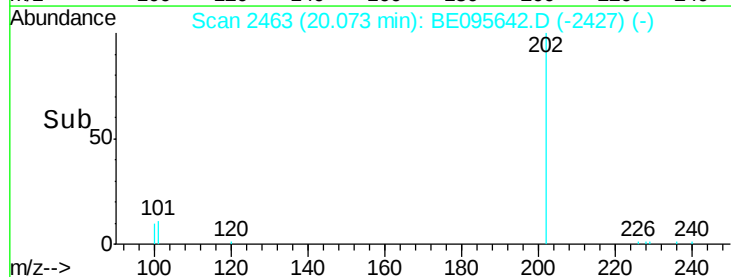
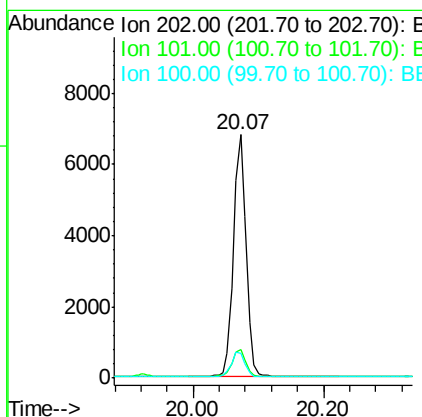
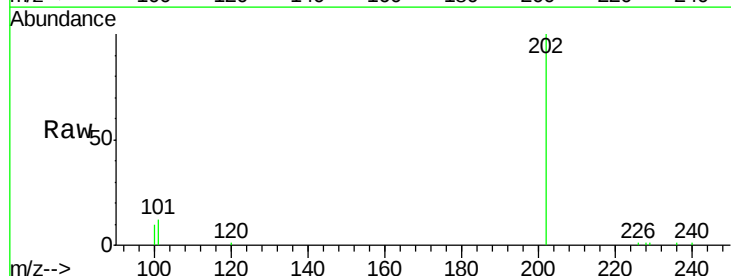
Instrument :
BNA_E
ClientSampleId :

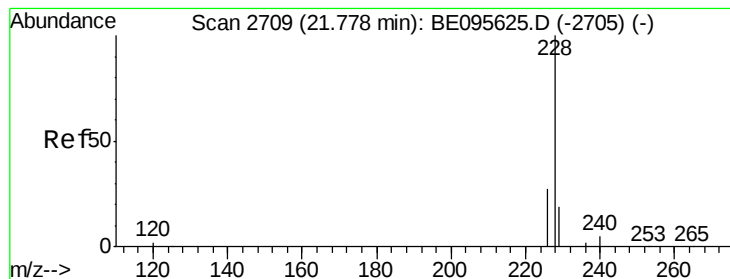
Tot Ion:202 Resp: 9044
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.3
100 8.3 0.0 39.5



#17
Pyrene
Concen: 0.470 ng/ul
RT: 20.07 min Scan# 2463
Delta R.T. 0.00 min
Lab File: BE095642.D
Acq: 10 Feb 2018 11:54

Tgt Ion:202 Resp: 9786
Ion Ratio Lower Upper
202 100
101 11.8 18.2 27.4#
100 10.3 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.434 ng/ul

RT: 21.78 min Scan# 2709

Delta R.T. -0.00 min

Lab File: BE095642.D

Acq: 10 Feb 2018 11:54

Instrument :

BNA_E

ClientSampleId :

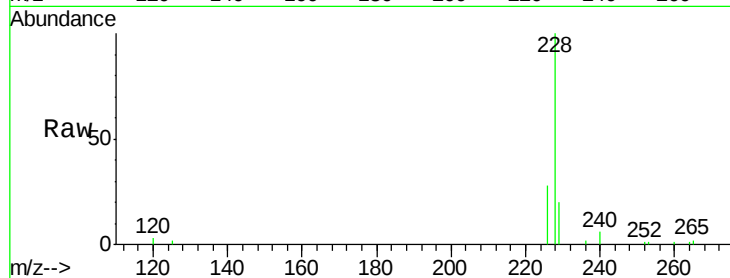
Tot Ion:228 Resp: 8410

Ion Ratio Lower Upper

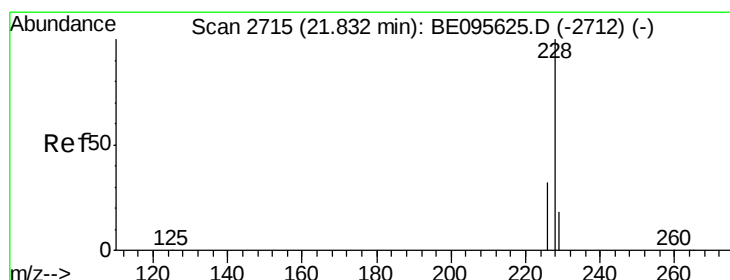
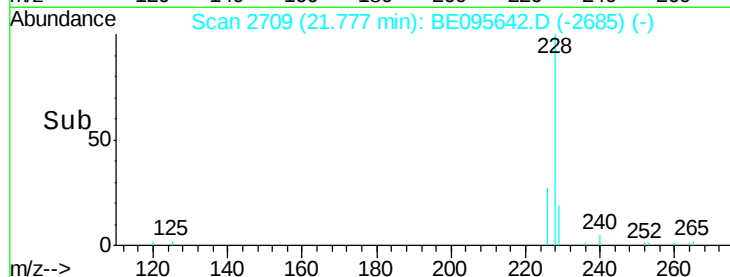
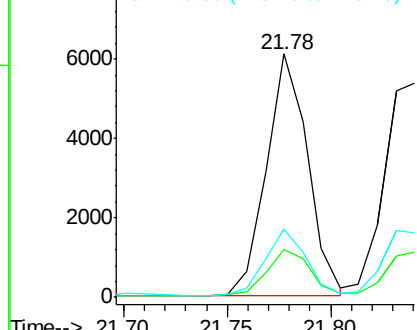
228 100

229 19.9 22.8 34.2#

226 27.9 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. 0.01 min

Lab File: BE095642.D

Acq: 10 Feb 2018 11:54

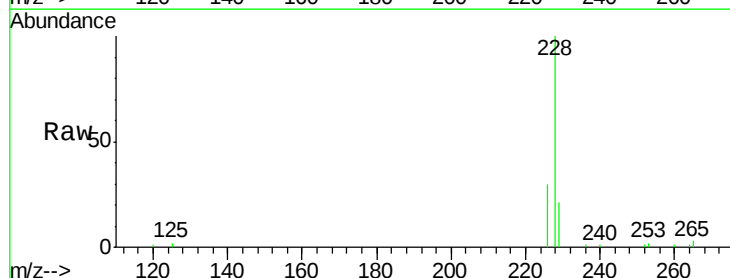
Tgt Ion:228 Resp: 8159

Ion Ratio Lower Upper

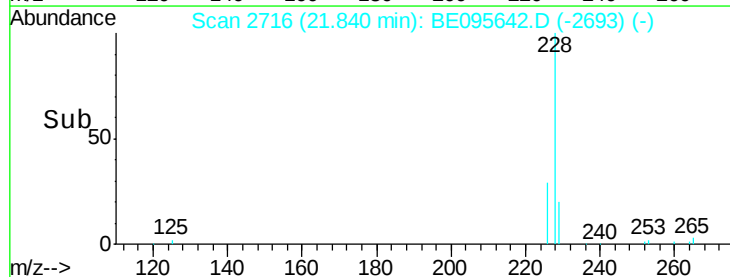
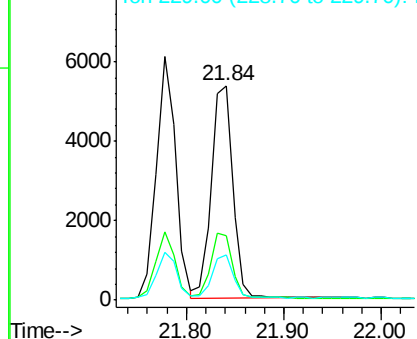
228 100

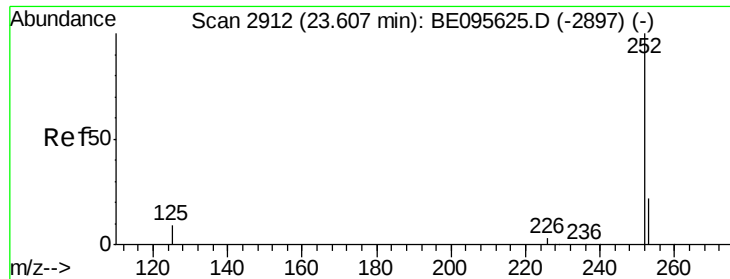
226 29.8 23.4 35.0

229 21.2 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

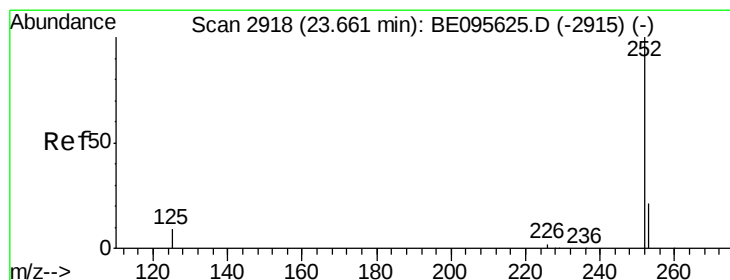
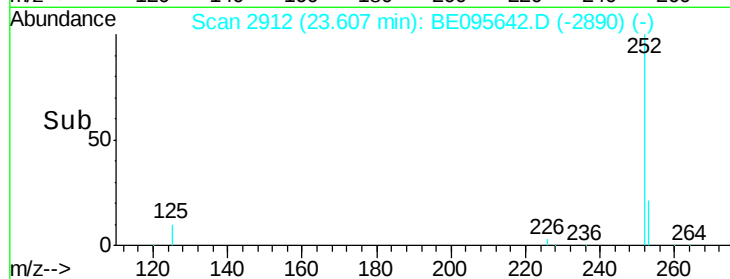
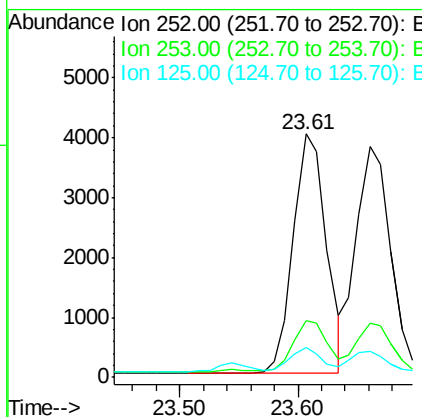
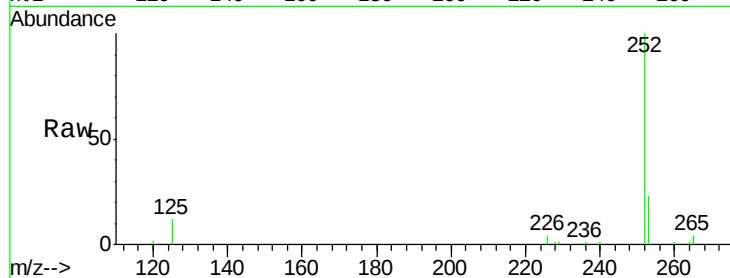




#21
Benzo(b)fluoranthene
Concen: 0.376 ng/ul
RT: 23.61 min Scan# 2912
Delta R.T. -0.00 min
Lab File: BE095642.D
Acq: 10 Feb 2018 11:54

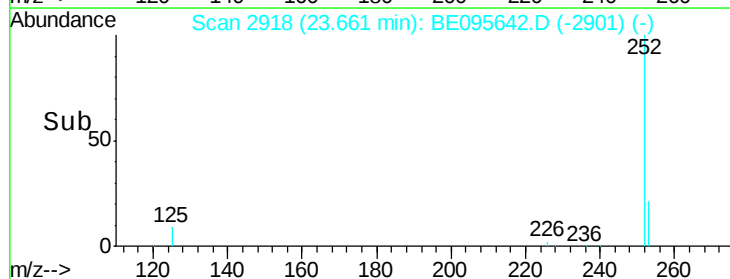
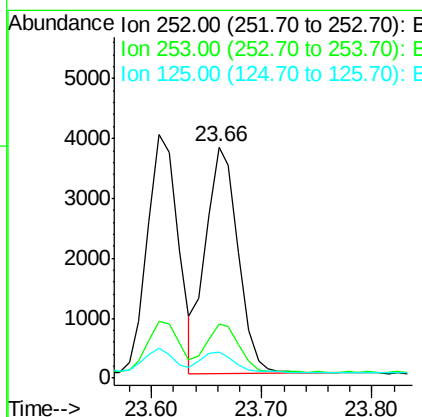
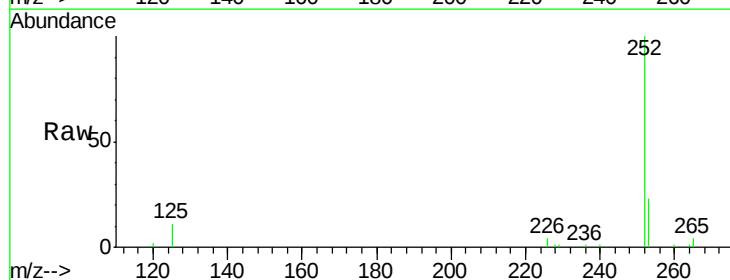
Instrument :
BNA_E
ClientSampleId :

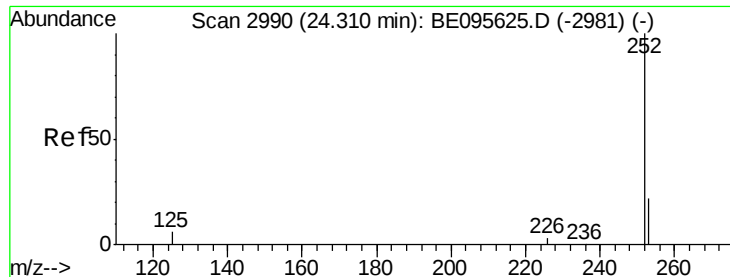
Tot Ion:252 Resp: 7827
Ion Ratio Lower Upper
252 100
253 23.4 0.0 64.2
125 12.0 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.405 ng/ul
RT: 23.66 min Scan# 2918
Delta R.T. -0.00 min
Lab File: BE095642.D
Acq: 10 Feb 2018 11:54

Tgt Ion:252 Resp: 7711
Ion Ratio Lower Upper
252 100
253 23.1 24.5 36.7#
125 11.4 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.399 ng/ul

RT: 24.31 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE095642.D

Acq: 10 Feb 2018 11:54

Instrument :

BNA_E

ClientSampleId :

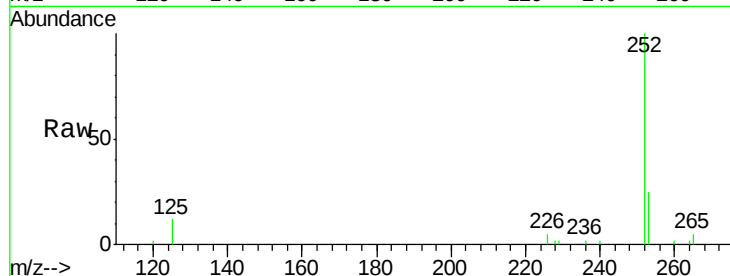
Tot Ion:252 Resp: 7415

Ion Ratio Lower Upper

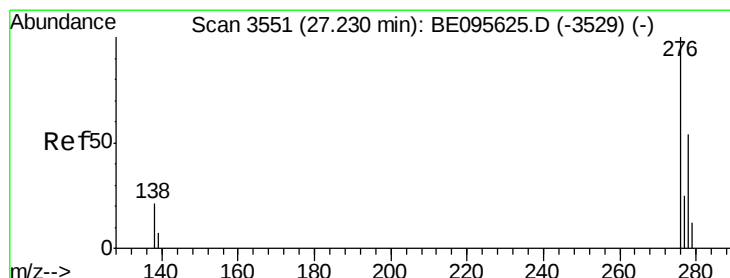
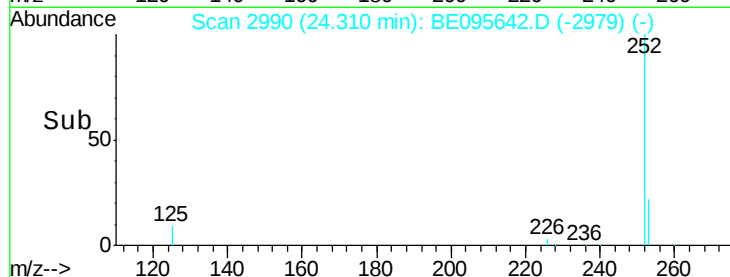
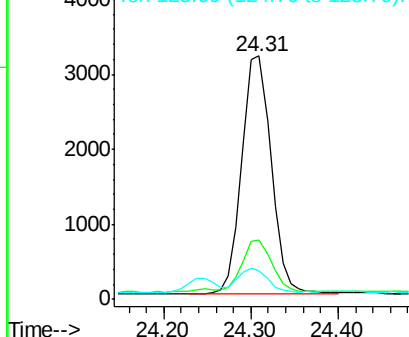
252 100

253 24.6 28.5 42.7#

125 12.0 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: 0.414 ng/ul

RT: 27.23 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BE095642.D

Acq: 10 Feb 2018 11:54

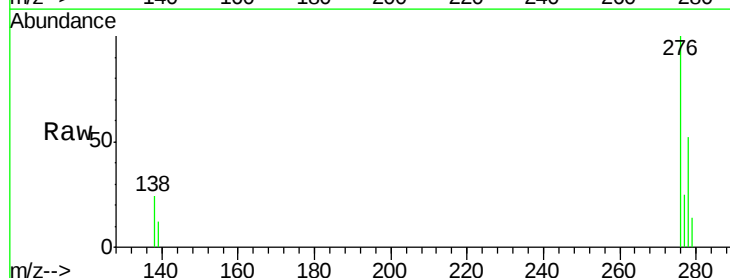
Tgt Ion:276 Resp: 8433

Ion Ratio Lower Upper

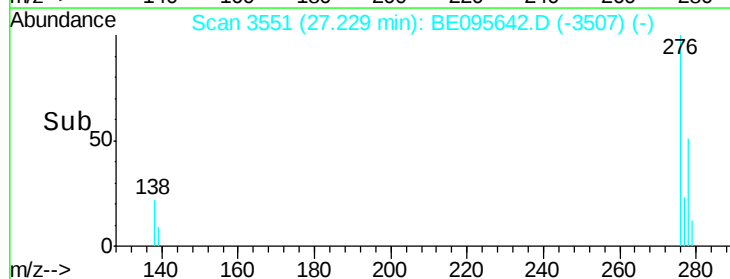
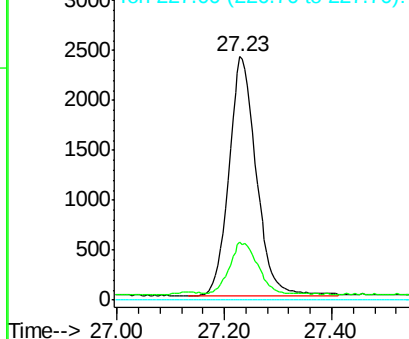
276 100

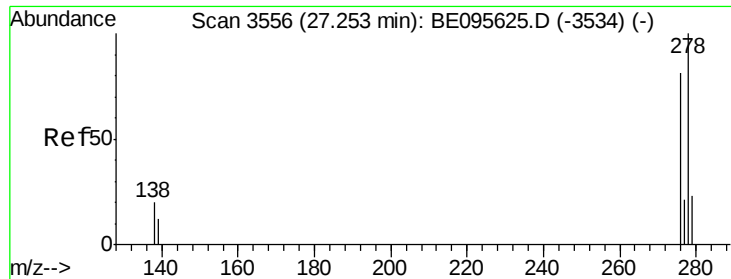
138 22.8 28.0 42.0#

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: 0.415 ng/ul

RT: 27.25 min Scan# 3556

Delta R.T. -0.00 min

Lab File: BE095642.D

Acq: 10 Feb 2018 11:54

Instrument :

BNA_E

ClientSampleId :

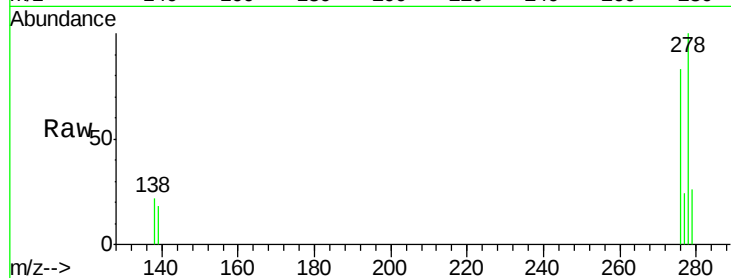
Tot Ion:278 Resp: 6920

Ion Ratio Lower Upper

278 100

139 17.7 17.4 26.0

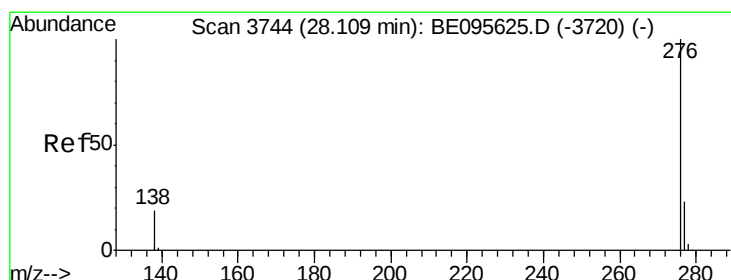
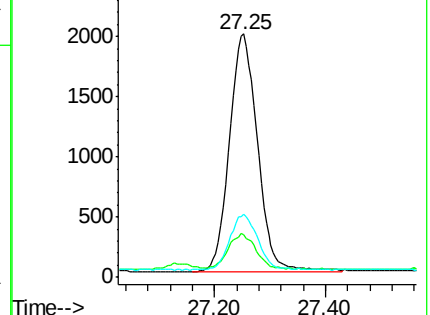
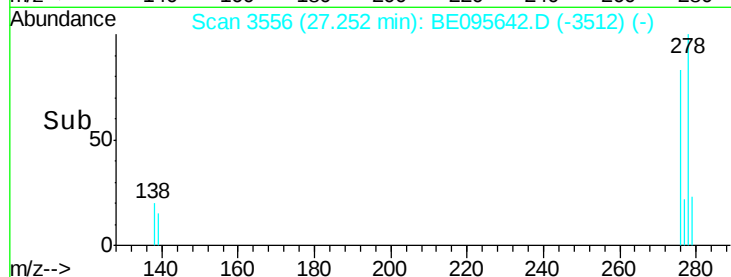
279 26.0 25.9 38.9



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. -0.01 min

Lab File: BE095642.D

Acq: 10 Feb 2018 11:54

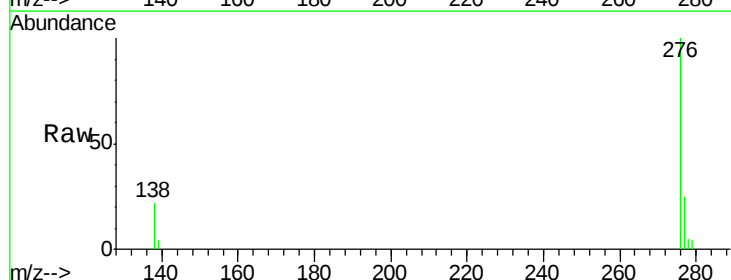
Tgt Ion:276 Resp: 7062

Ion Ratio Lower Upper

276 100

138 22.0 21.8 32.8

277 24.5 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

