

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
 Data File : BE097481.D
 Acq On : 13 Sep 2018 9:53
 Operator : SJ/JU
 Sample : J4792-08DL 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A3Z39DL

Quant Time: Sep 13 11:31:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 13 07:48:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1023	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	5837	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	3658	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	8658	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	9956	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	10006	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	327	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	1005	0.04	ng/ul	0.00

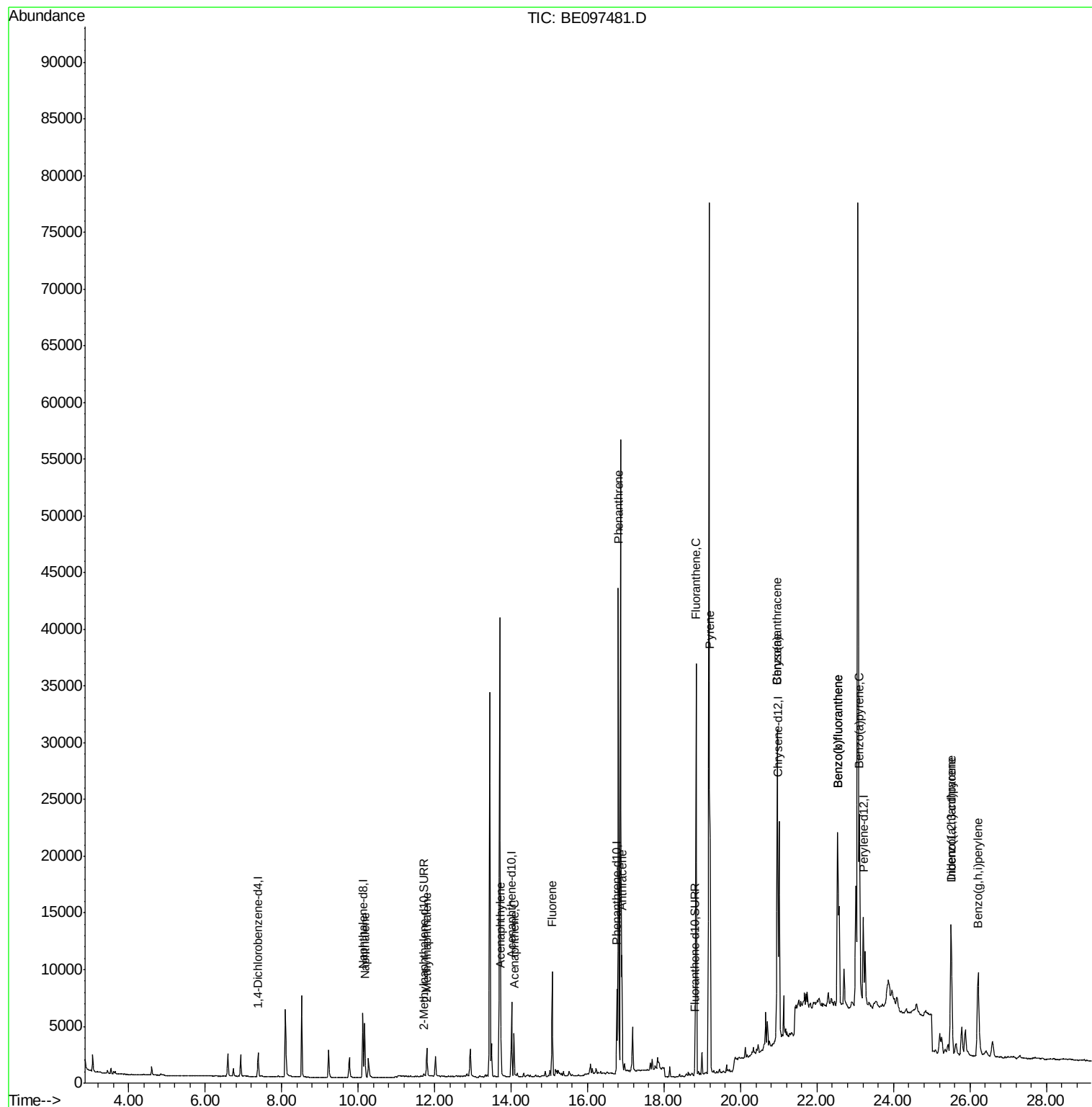
Target Compounds				Ovalue		
3) Naphthalene	10.17	128	7007	0.492	ng/ul#	93
5) 2-Methylnaphthalene	11.80	142	2382	0.265	ng/ul	98
7) Acenaphthylene	13.73	152	4195	0.315	ng/ul	99
8) Acenaphthene	14.07	153	2190	0.191	ng/ul	96
9) Fluorene	15.07	166	5651	0.430	ng/ul	93
12) Phenanthrene	16.80	178	43721	1.962	ng/ul#	89
13) Anthracene	16.90	178	10176	0.543	ng/ul#	93
15) Fluoranthene	18.83	202	39190	1.369	ng/ul	84
17) Pyrene	19.20	202	36183	1.351	ng/ul#	80
18) Benzo(a)anthracene	20.96	228	19652	0.768	ng/ul#	86
19) Chrysene	20.96	228	19660	0.667	ng/ul	97
21) Benzo(b)fluoranthene	22.54	252	35901	1.340	ng/ul	93
22) Benzo(k)fluoranthene	22.54	252	35901	1.201	ng/ul	95
23) Benzo(a)pyrene	23.11	252	21470	0.866	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.51	276	19393	0.604	ng/ul#	72
25) Dibenzo(a,h)anthracene	25.52	278	4639	0.170	ng/ul#	65
26) Benzo(a,h,i)perylene	26.21	276	17325	0.632	ng/ul	93

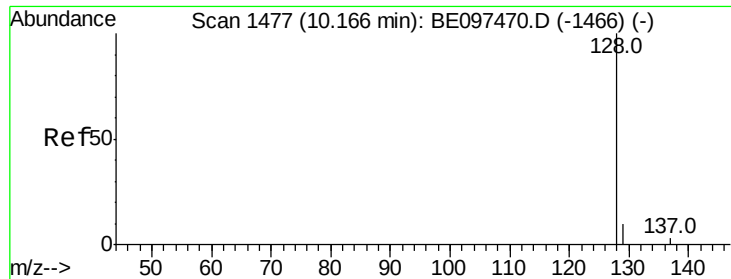
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M
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#3

Naphthalene

Concen: 0.492 ng/ul

RT: 10.17 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE097481.D

Acq: 13 Sep 2018 9:53

Instrument :

BNA_E

ClientSampleId :

A3Z39DL

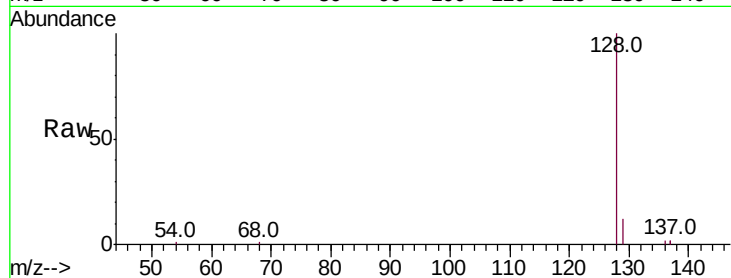
Tot Ion:128 Resp: 7007

Ion Ratio Lower Upper

128 100

129 12.2 11.3 16.9

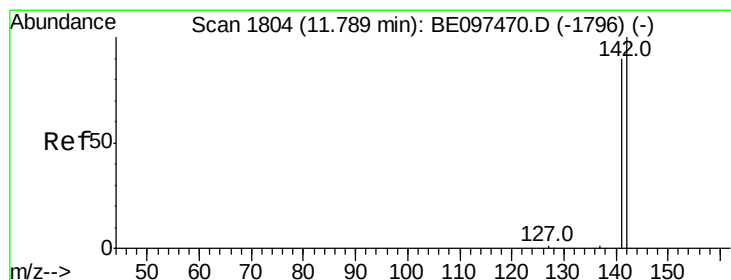
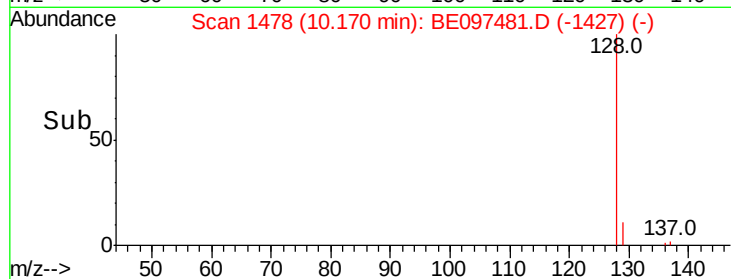
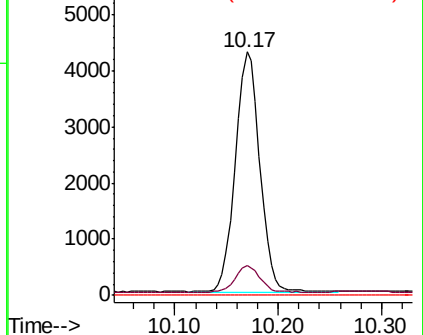
127 0.0 4.0 6.0#



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: 0.265 ng/ul

RT: 11.80 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BE097481.D

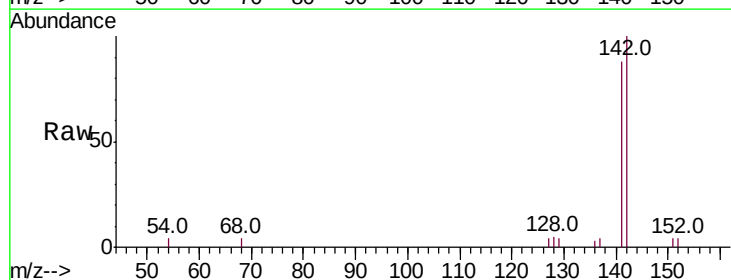
Acq: 13 Sep 2018 9:53

Tgt Ion:142 Resp: 2382

Ion Ratio Lower Upper

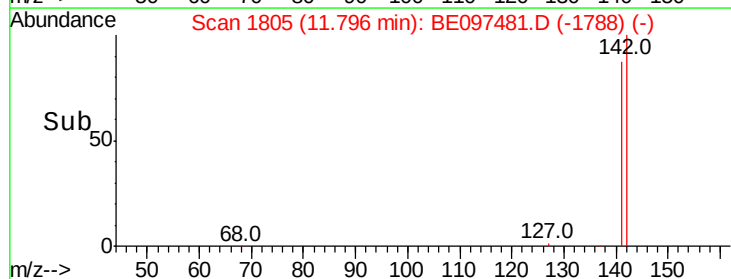
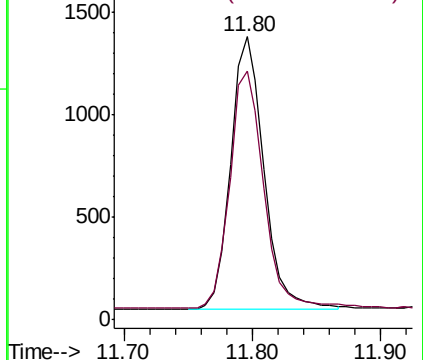
142 100

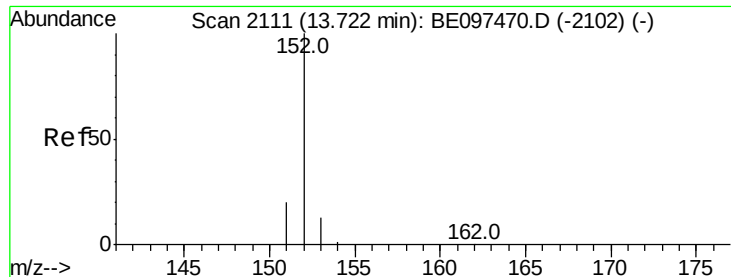
141 89.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.315 ng/ul

RT: 13.73 min Scan# 2111

Delta R.T. 0.01 min

Lab File: BE097481.D

Acq: 13 Sep 2018 9:53

Instrument :

BNA_E

ClientSampleId :

A3Z39DL

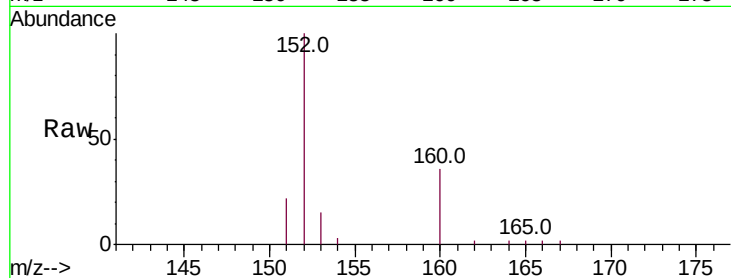
Tot Ion:152 Resp: 4195

Ion Ratio Lower Upper

152 100

151 21.9 17.1 25.7

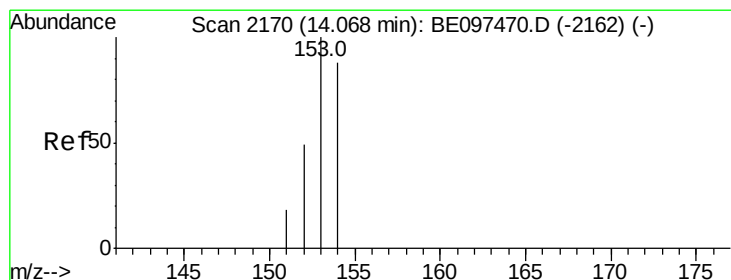
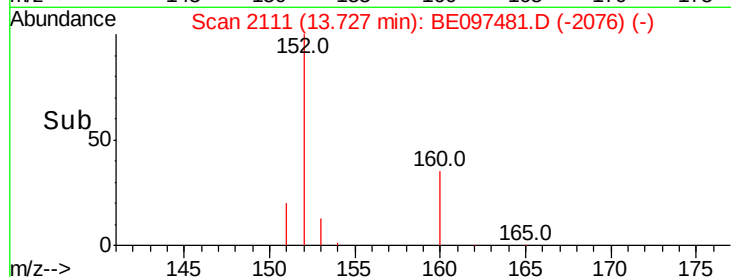
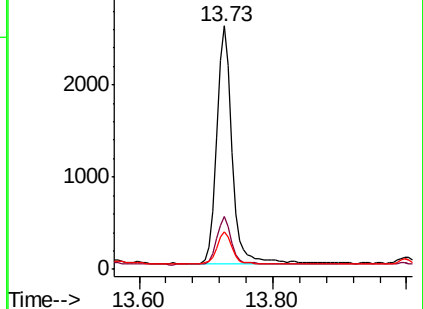
153 15.2 12.8 19.2



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: 0.191 ng/ul

RT: 14.07 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BE097481.D

Acq: 13 Sep 2018 9:53

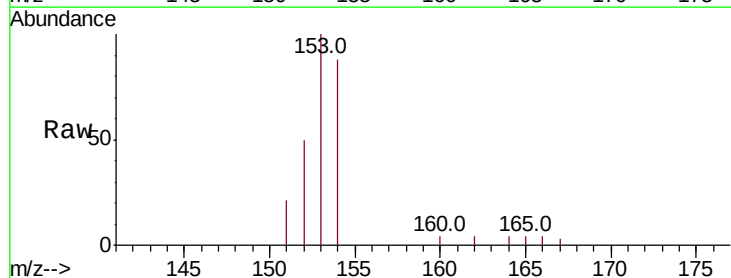
Tgt Ion:153 Resp: 2190

Ion Ratio Lower Upper

153 100

152 50.4 36.0 54.0

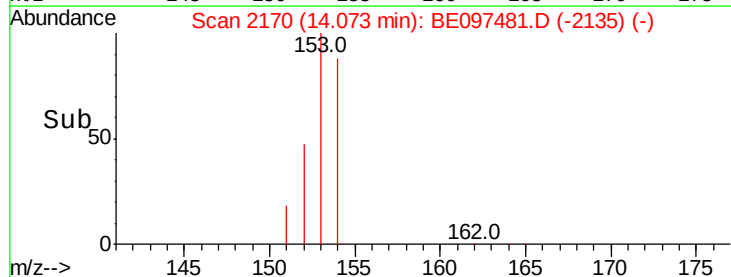
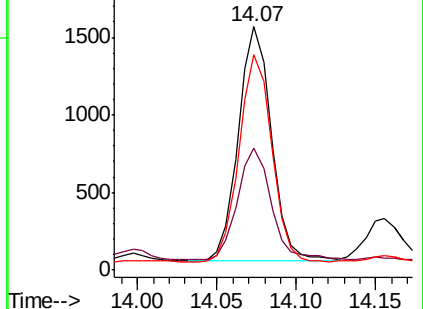
154 88.4 72.0 108.0

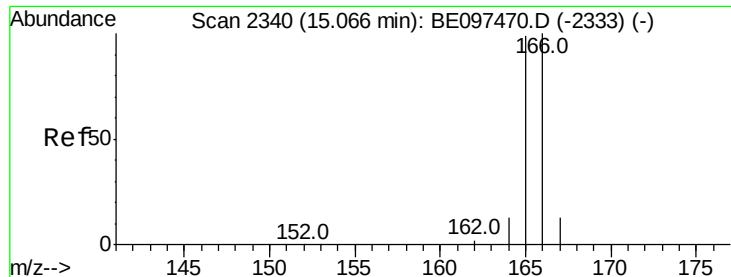


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.430 ng/ul

RT: 15.07 min Scan# 2340

Delta R.T. 0.01 min

Lab File: BE097481.D

Acq: 13 Sep 2018 9:53

Instrument :

BNA_E

ClientSampled :

A3Z39DL

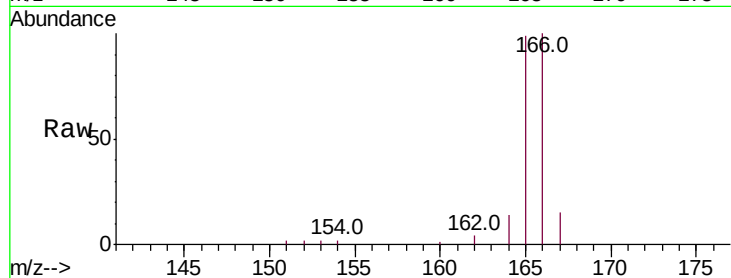
Tot Ion:166 Resp: 5651

Ion Ratio Lower Upper

166 100

165 98.8 73.4 110.2

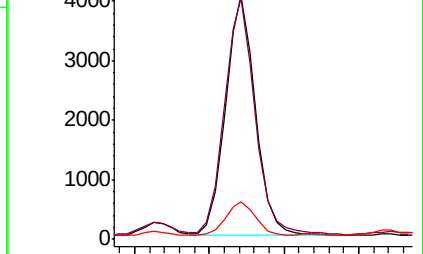
167 15.5 14.6 22.0



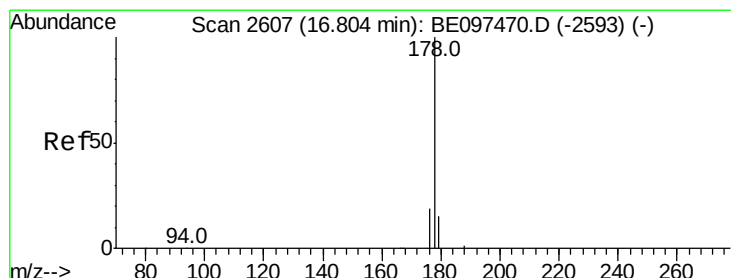
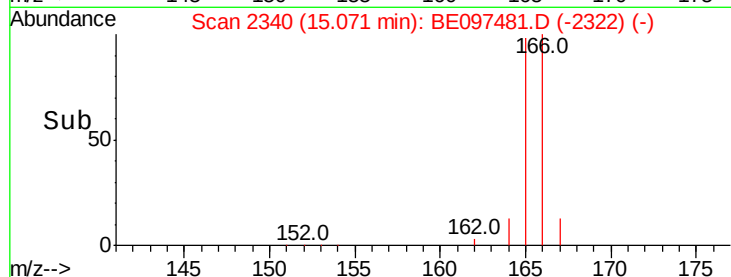
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#12

Phenanthrene

Concen: 1.962 ng/ul

RT: 16.80 min Scan# 2606

Delta R.T. 0.00 min

Lab File: BE097481.D

Acq: 13 Sep 2018 9:53

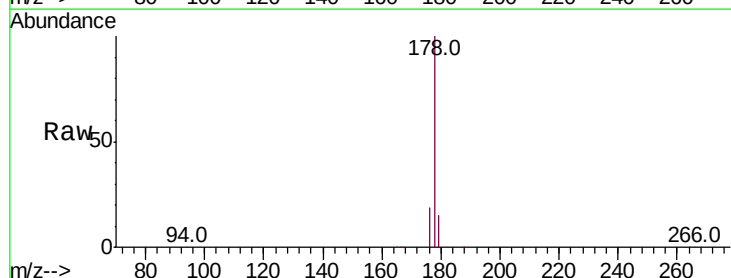
Tgt Ion:178 Resp: 43721

Ion Ratio Lower Upper

178 100

179 15.3 18.4 27.6#

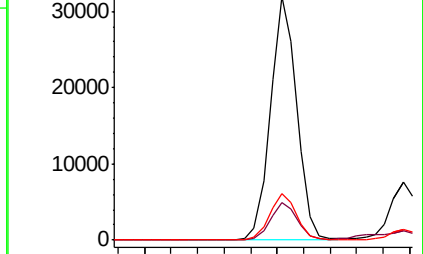
176 19.3 13.6 20.4



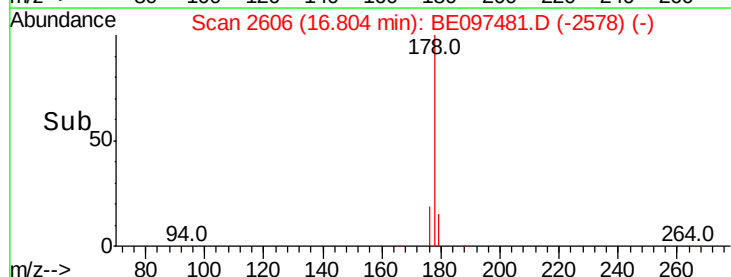
Abundance Ion 178.00 (177.70 to 178.70): E

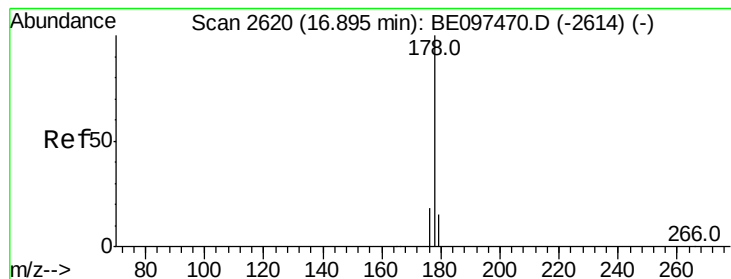
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.543 ng/ul

RT: 16.90 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BE097481.D

Acq: 13 Sep 2018 9:53

Instrument :

BNA_E

ClientSampleId :

A3Z39DL

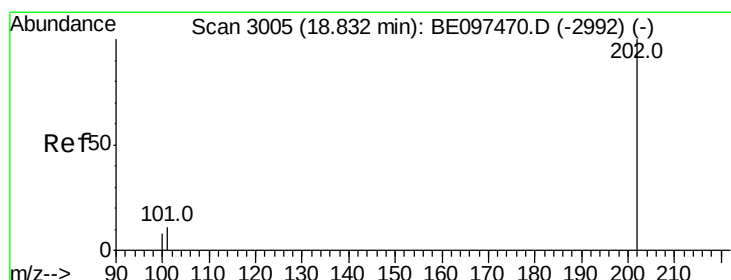
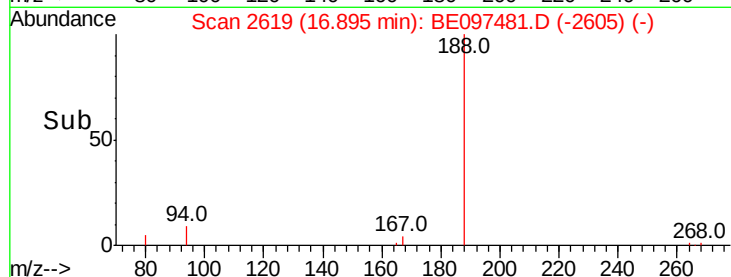
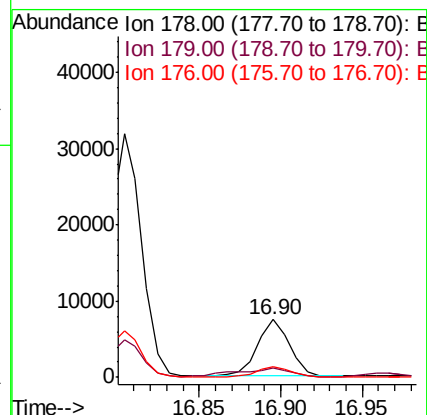
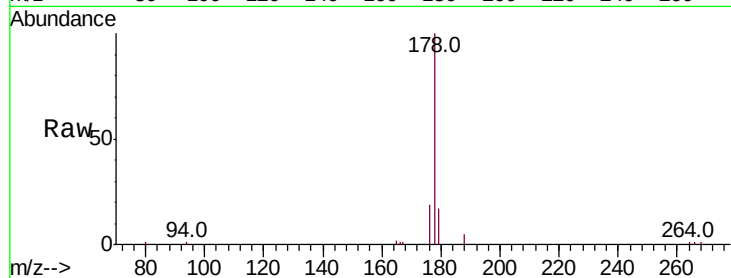
Tot Ion:178 Resp: 10176

Ion Ratio Lower Upper

178 100

179 16.9 18.1 27.1#

176 19.3 14.7 22.1



#15

Fluoranthene

Concen: 1.369 ng/ul

RT: 18.83 min Scan# 3005

Delta R.T. 0.00 min

Lab File: BE097481.D

Acq: 13 Sep 2018 9:53

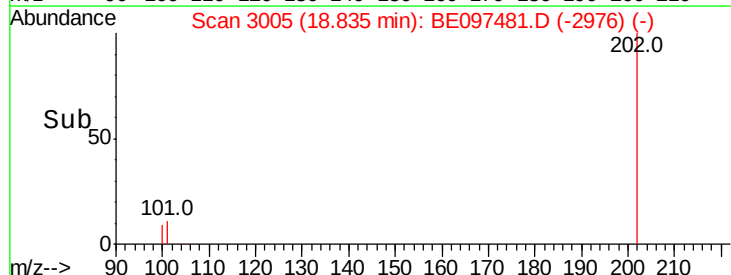
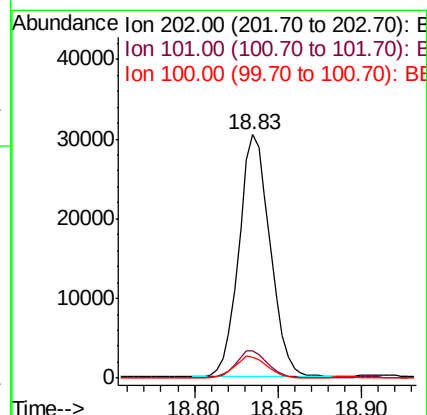
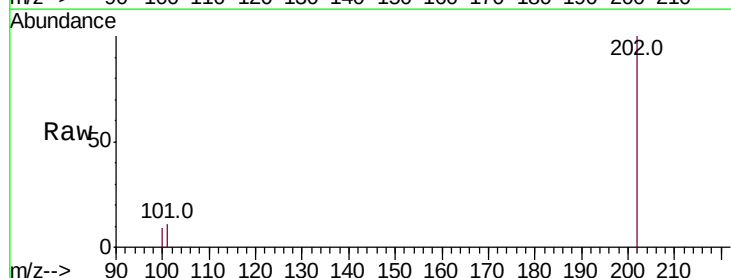
Tgt Ion:202 Resp: 39190

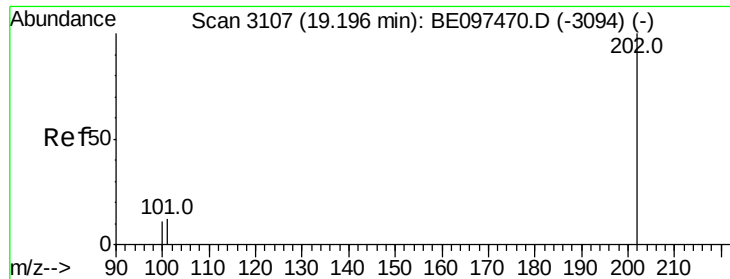
Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.3

100 8.8 0.0 39.5

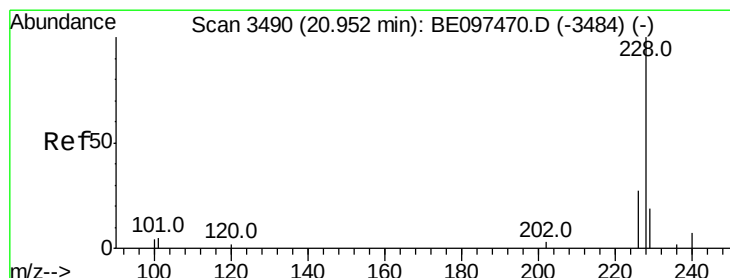
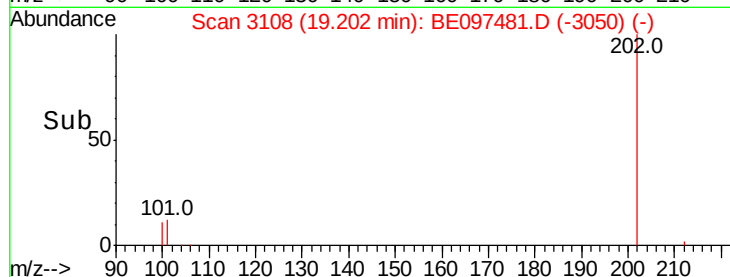
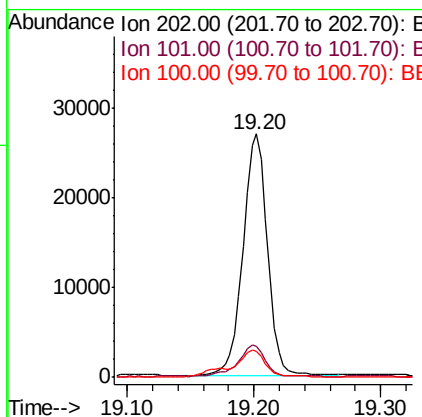
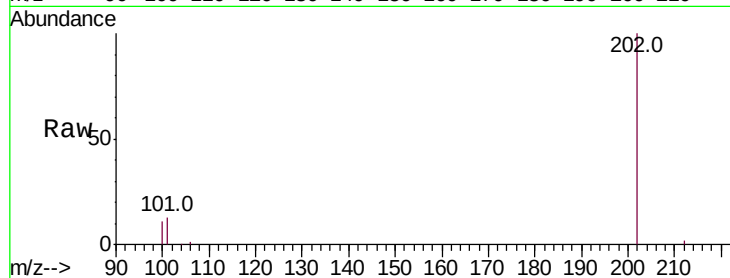




#17
Pvrene
Concen: 1.351 ng/ul
RT: 19.20 min Scan# 3108
Delta R.T. 0.01 min
Lab File: BE097481.D
Acq: 13 Sep 2018 9:53

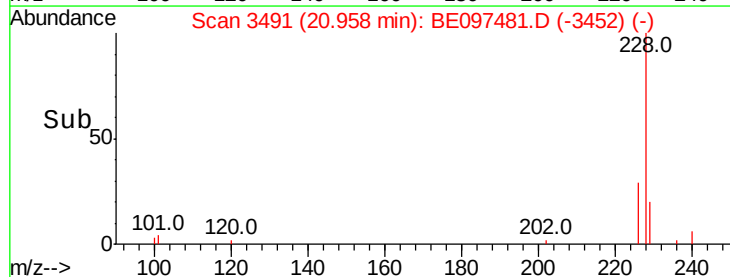
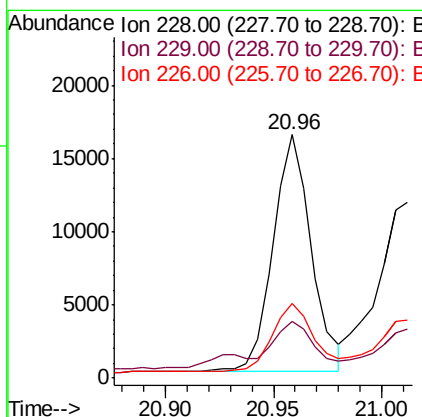
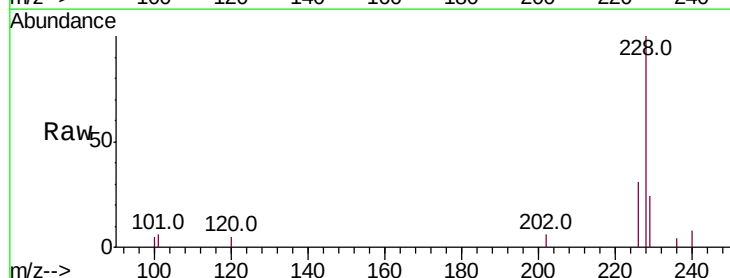
Instrument :
BNA_E
ClientSampleId :
A3Z39DL

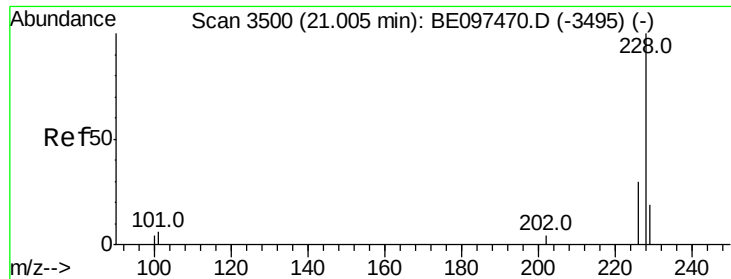
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	18.2	27.4#
100	10.8	15.6	23.4#



#18
Benzo(a)anthracene
Concen: 0.768 ng/ul
RT: 20.96 min Scan# 3491
Delta R.T. 0.01 min
Lab File: BE097481.D
Acq: 13 Sep 2018 9:53

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.5	22.8	34.2
226	30.6	17.0	25.6#





#19

Chrysene

Concen: 0.667 ng/ul

RT: 20.96 min Scan# 3491

Delta R.T. -0.05 min

Lab File: BE097481.D

Acq: 13 Sep 2018 9:53

Instrument :

BNA_E

ClientSampleId :

A3Z39DL

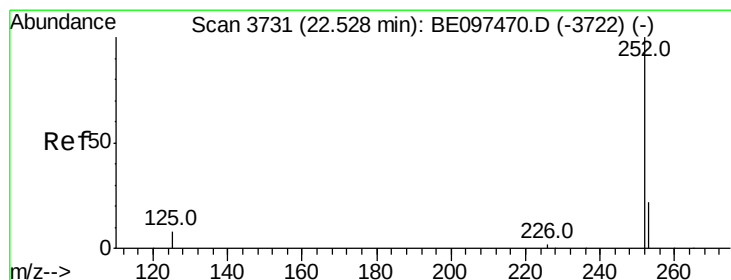
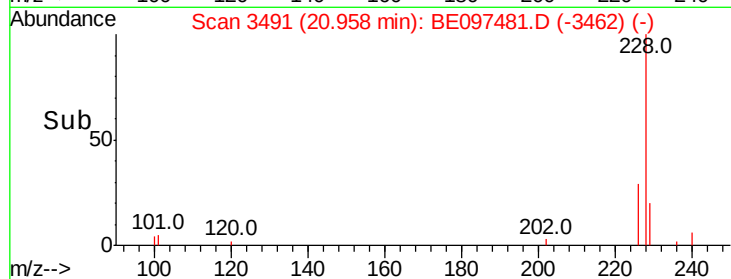
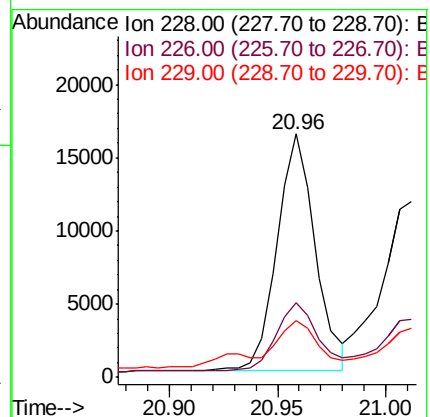
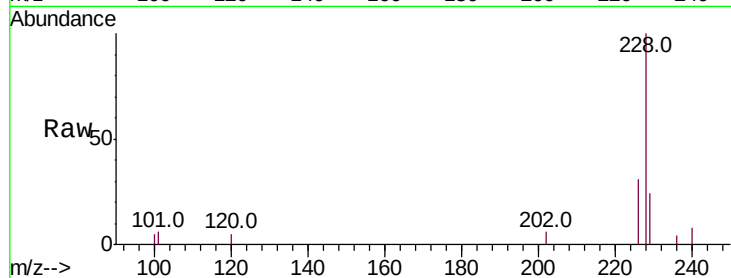
Tot Ion:228 Resp: 19660

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

229 23.5 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 1.340 ng/ul

RT: 22.54 min Scan# 3733

Delta R.T. 0.01 min

Lab File: BE097481.D

Acq: 13 Sep 2018 9:53

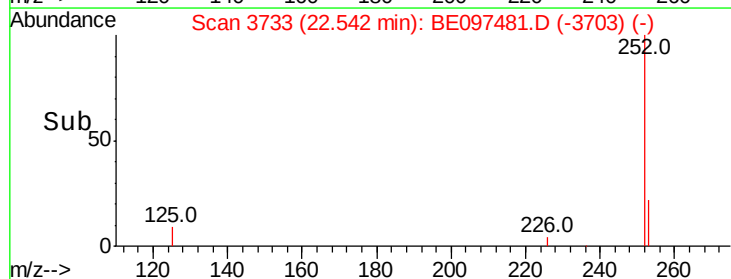
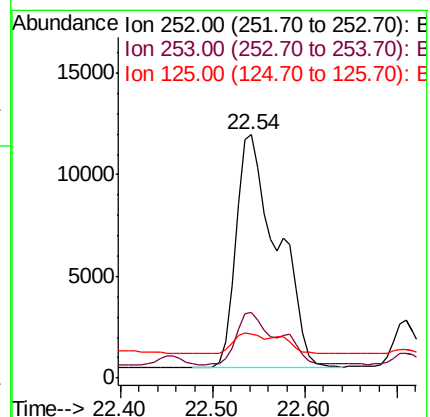
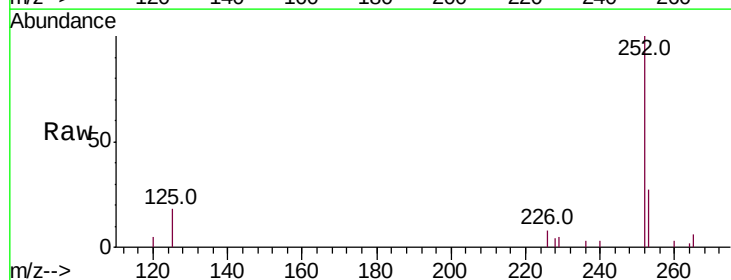
Tgt Ion:252 Resp: 35901

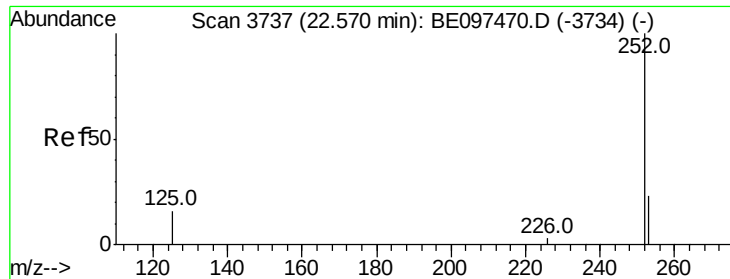
Ion Ratio Lower Upper

252 100

253 27.0 0.0 64.2

125 18.3 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 1.201 ng/ul

RT: 22.54 min Scan# 3733

Delta R.T. -0.03 min

Lab File: BE097481.D

Acq: 13 Sep 2018 9:53

Instrument :

BNA_E

ClientSampleId :

A3Z39DL

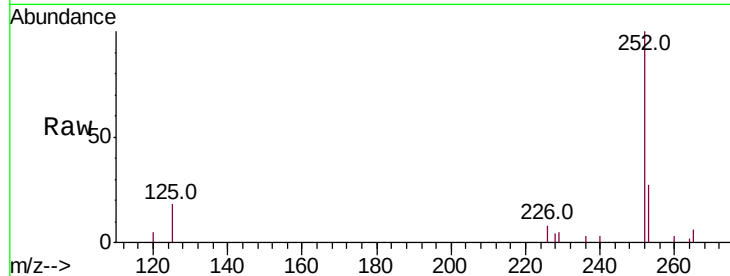
Tot Ion:252 Resp: 35901

Ion Ratio Lower Upper

252 100

253 27.0 24.5 36.7

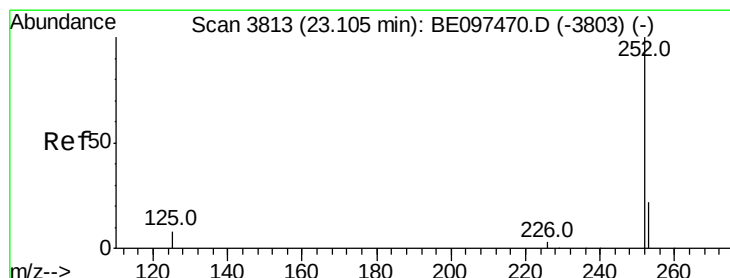
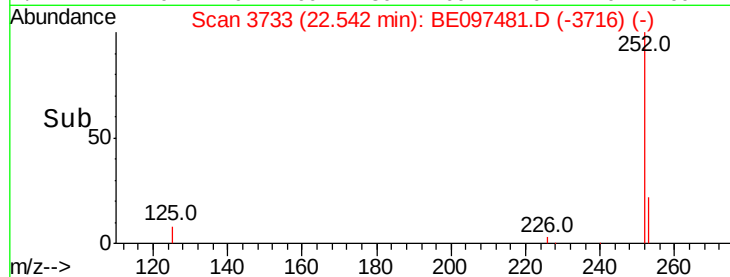
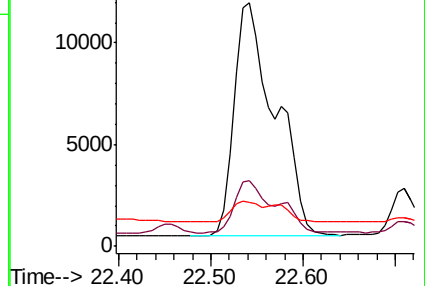
125 18.3 13.7 20.5



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: 0.866 ng/ul

RT: 23.11 min Scan# 3814

Delta R.T. 0.01 min

Lab File: BE097481.D

Acq: 13 Sep 2018 9:53

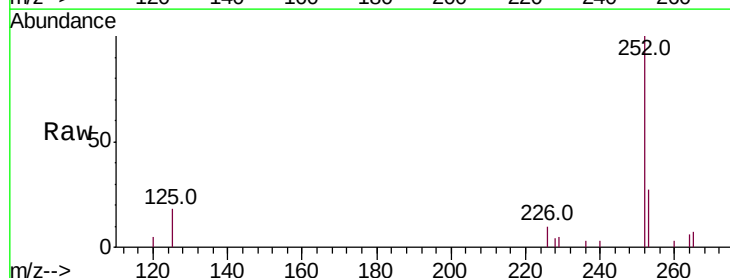
Tgt Ion:252 Resp: 21470

Ion Ratio Lower Upper

252 100

253 27.2 28.5 42.7#

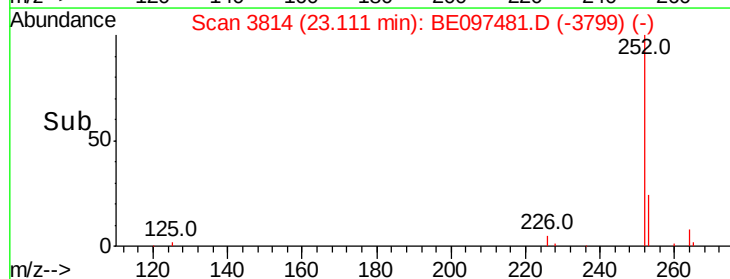
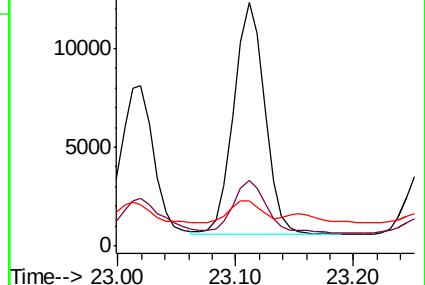
125 18.3 18.1 27.1

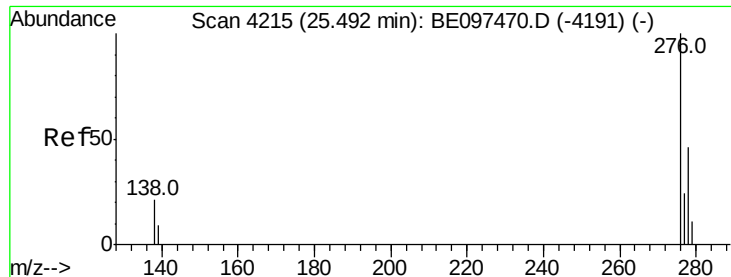


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



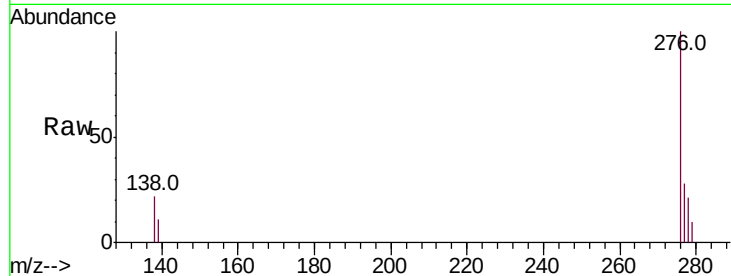


#24

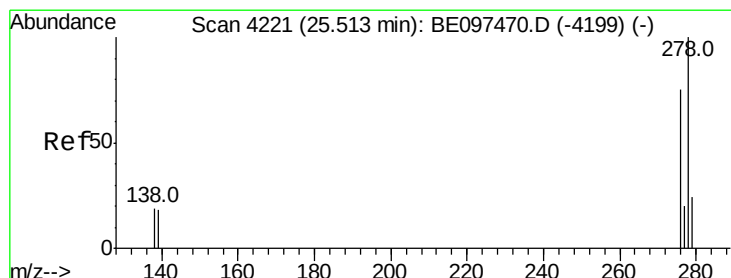
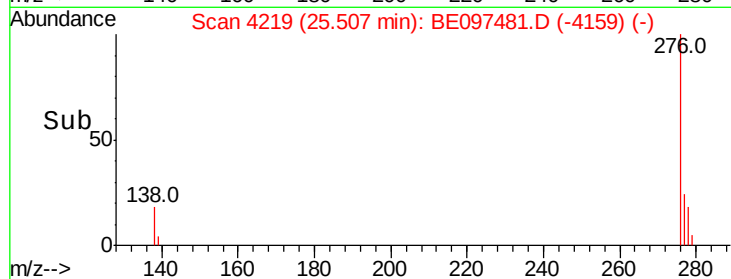
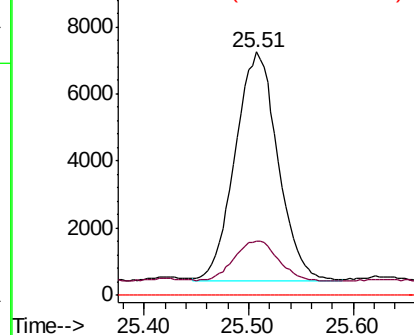
Indeno(1,2,3-cd)pyrene
Concen: 0.604 ng/ul
RT: 25.51 min Scan# 4219
Delta R.T. 0.02 min
Lab File: BE097481.D
Acq: 13 Sep 2018 9:53

Instrument :
BNA_E
ClientSampleId :
A3Z39DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	28.0	42.0#
227	0.0	8.0	12.0#



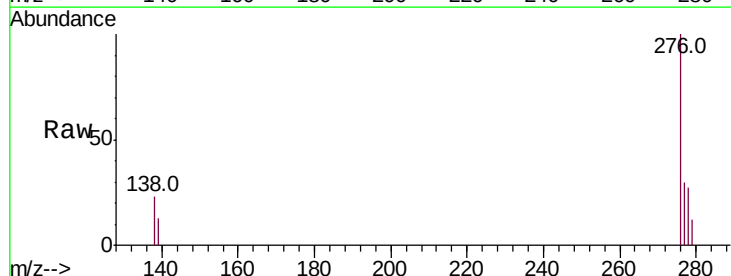
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



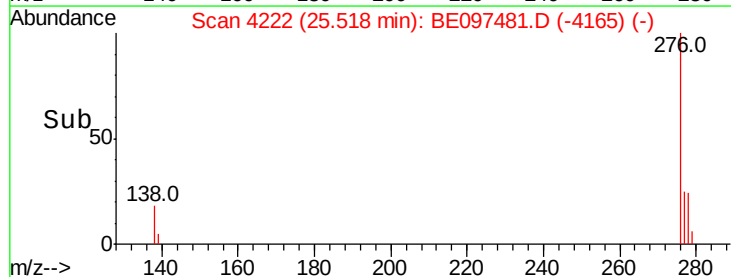
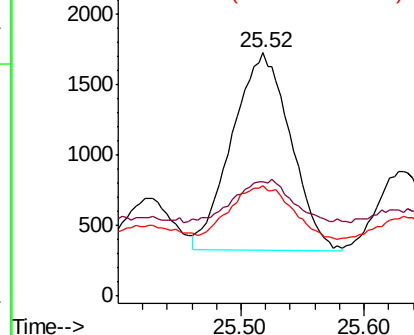
#25

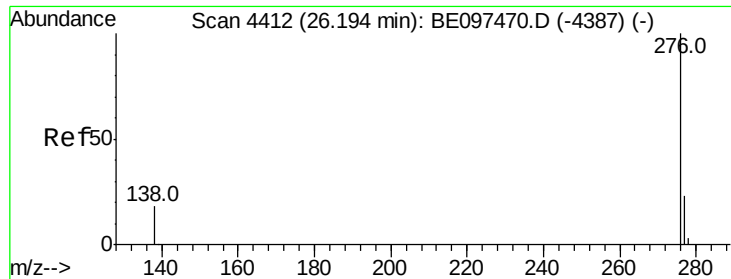
Dibenzo(a,h)anthracene
Concen: 0.170 ng/ul
RT: 25.52 min Scan# 4222
Delta R.T. 0.00 min
Lab File: BE097481.D
Acq: 13 Sep 2018 9:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	46.9	17.4	26.0#
279	45.4	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(a,h,i)perylene

Concen: 0.632 ng/ul

RT: 26.21 min Scan# 4416

Delta R.T. 0.02 min

Lab File: BE097481.D

Acq: 13 Sep 2018 9:53

Instrument :

BNA_E

ClientSampleId :

A3Z39DL

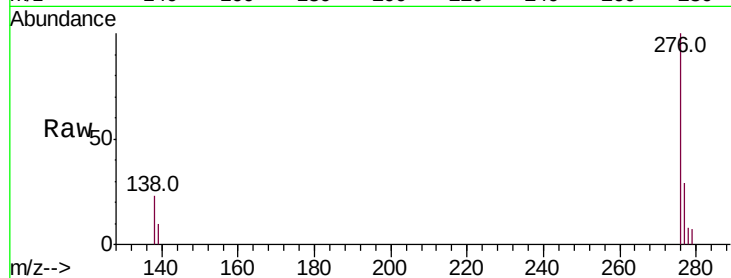
Tot Ion:276 Resp: 17325

Ion Ratio Lower Upper

276 100

138 23.3 21.8 32.8

277 28.9 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

