

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
 Data File : BE097478.D
 Acq On : 13 Sep 2018 7:59
 Operator : SJ/JU
 Sample : J4792-17DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 13 10:27:53 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	1332	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	7379	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	4871	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	12274	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	13252	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	13936	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	607	0.05	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	1954	0.05	ng/ul	0.00

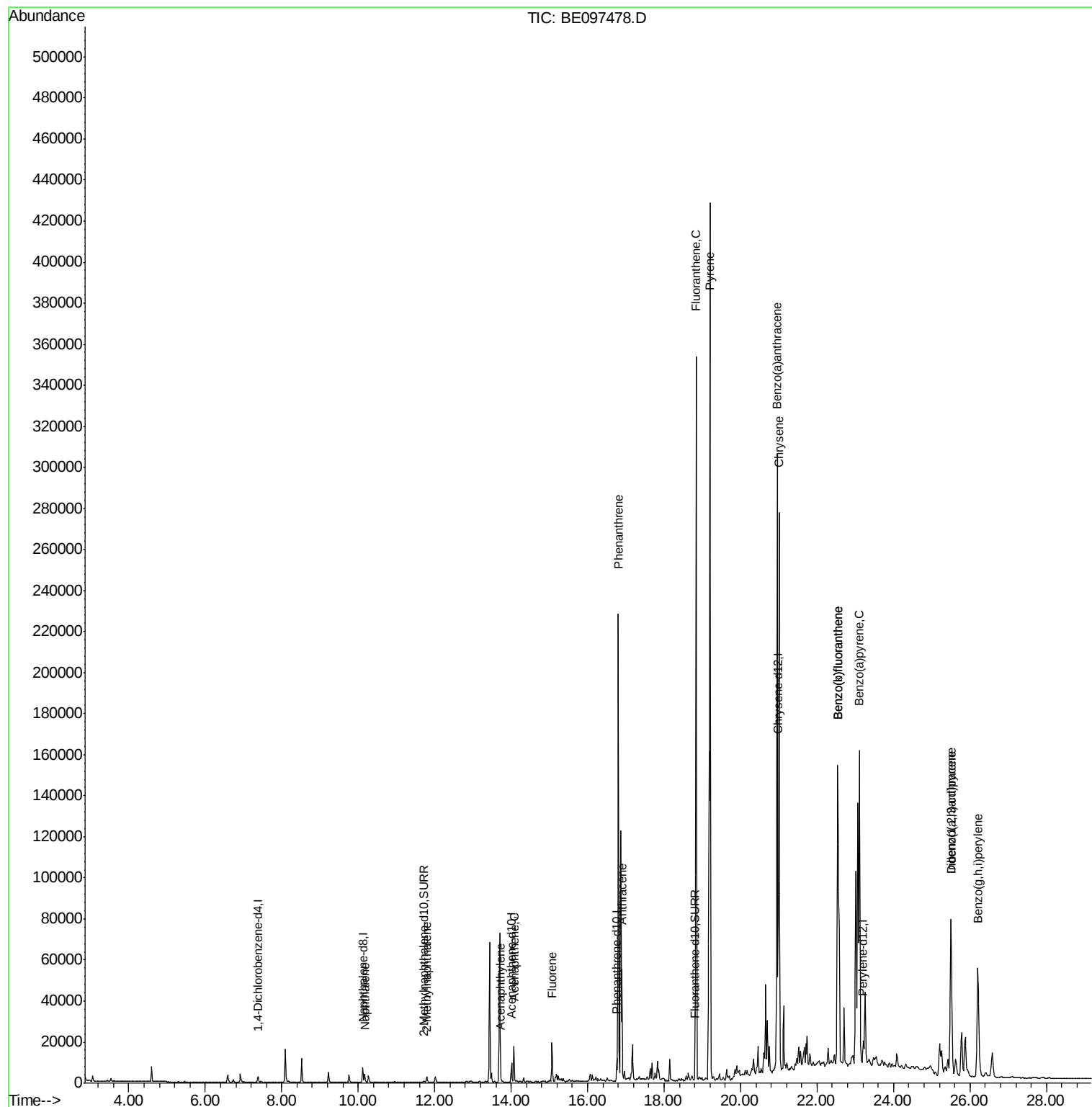
Target Compounds					Ovalue	
3) Naphthalene	10.17	128	5825	0.324	ng/ul#	93
5) 2-Methylnaphthalene	11.80	142	2268	0.199	ng/ul	98
7) Acenaphthylene	13.73	152	1780	0.100	ng/ul#	89
8) Acenaphthene	14.07	153	10178	0.667	ng/ul	98
9) Fluorene	15.07	166	11661	0.667	ng/ul	92
12) Phenanthrene	16.80	178	233083	7.377	ng/ul#	88
13) Anthracene	16.89	178	54478	2.051	ng/ul#	92
15) Fluoranthene	18.84	202	400002	9.855	ng/ul	84
17) Pyrene	19.20	202	462874	12.980	ng/ul#	80
18) Benzo(a)anthracene	20.96	228	227463	6.682	ng/ul#	85
19) Chrysene	21.01	228	229806	5.859	ng/ul	98
21) Benzo(b)fluoranthene	22.54	252	339737	9.103	ng/ul	85
22) Benzo(k)fluoranthene	22.54	252	339737	8.163	ng/ul#	87
23) Benzo(a)pyrene	23.11	252	202964	5.879	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.50	276	127564	2.851	ng/ul#	72
25) Dibenzo(a,h)anthracene	25.51	278	35255	0.930	ng/ul	95
26) Benzo(a,h,i)perylene	26.21	276	115991	3.040	ng/ul#	91

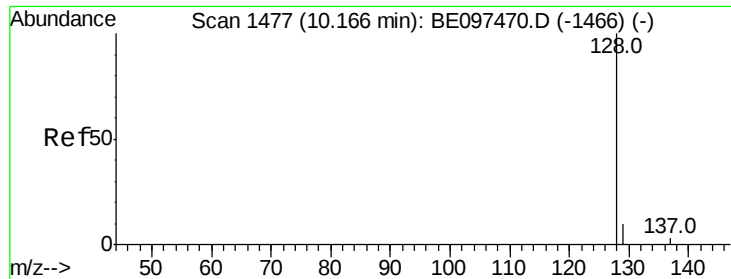
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.324 ng/ul

RT: 10.17 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

Instrument :

BNA_E

ClientSampleId :

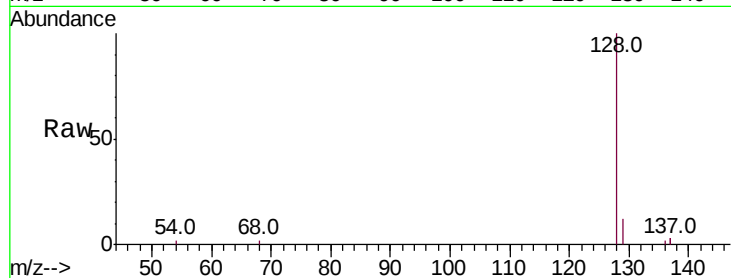
Tot Ion:128 Resp: 5825

Ion Ratio Lower Upper

128 100

129 12.4 11.3 16.9

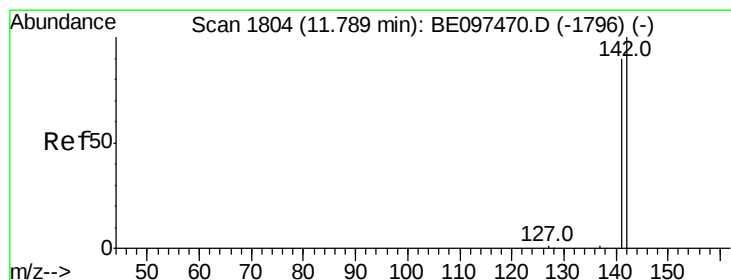
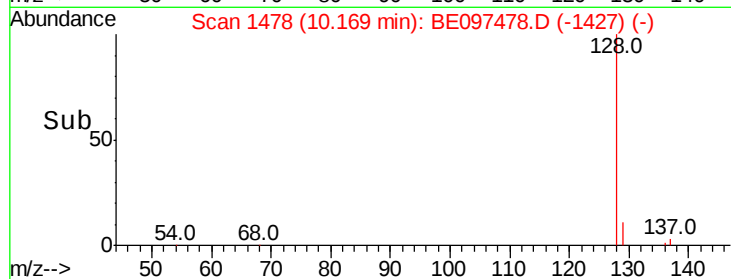
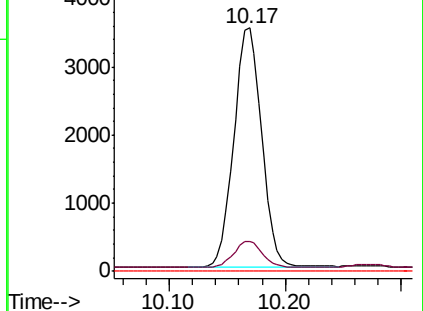
127 0.0 4.0 6.0#



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: 0.199 ng/ul

RT: 11.80 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BE097478.D

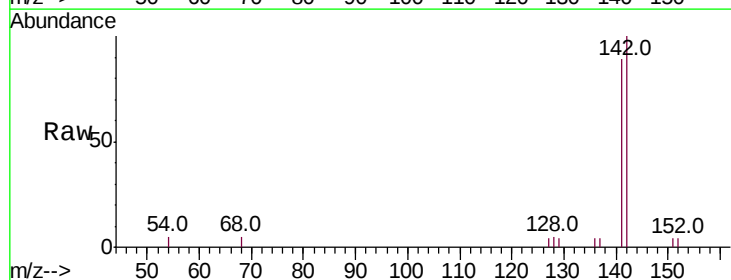
Acq: 13 Sep 2018 7:59

Tgt Ion:142 Resp: 2268

Ion Ratio Lower Upper

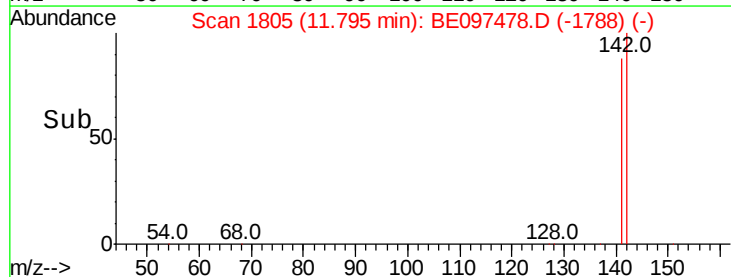
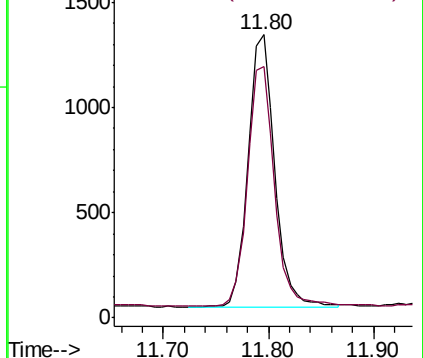
142 100

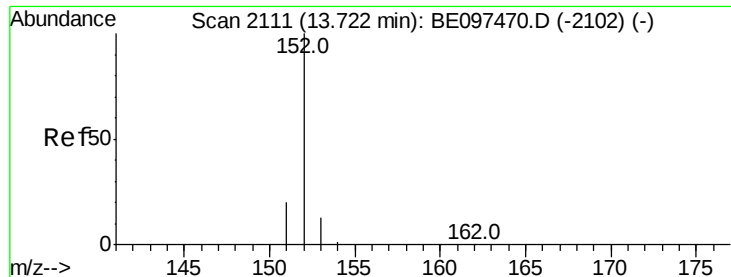
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.100 ng/ul

RT: 13.73 min Scan# 2112

Delta R.T. 0.01 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

Instrument :

BNA_E

ClientSampleId :

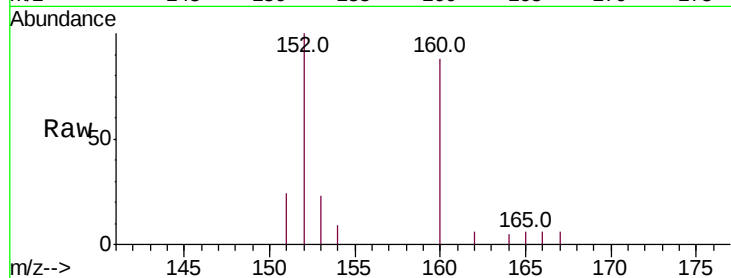
Tot Ion:152 Resp: 1780

Ion Ratio Lower Upper

152 100

151 23.9 17.1 25.7

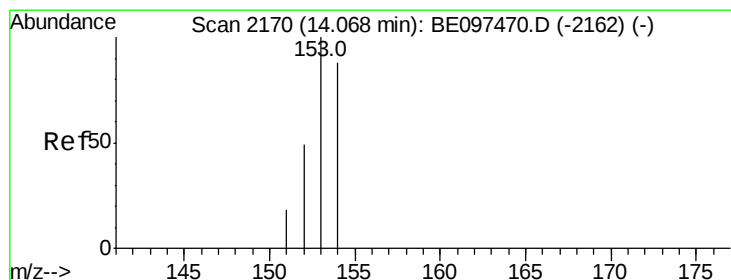
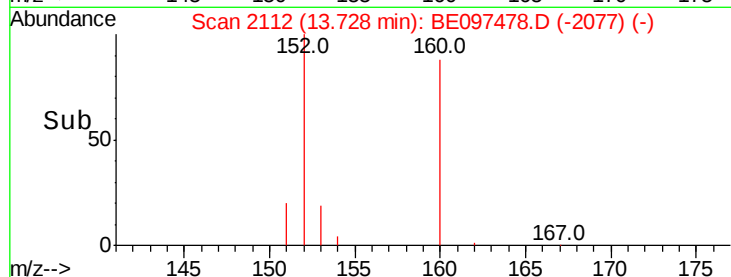
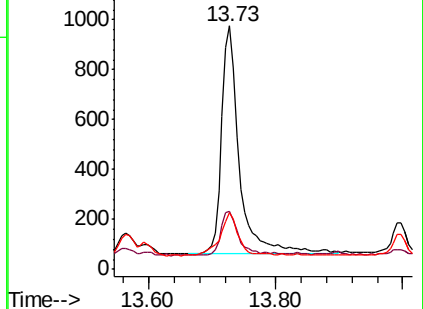
153 23.5 12.8 19.2#



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: 0.667 ng/ul

RT: 14.07 min Scan# 2171

Delta R.T. 0.01 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

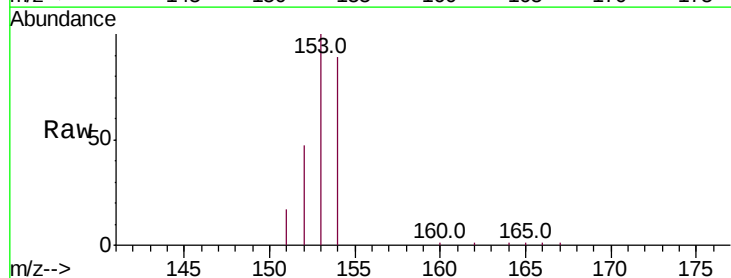
Tgt Ion:153 Resp: 10178

Ion Ratio Lower Upper

153 100

152 46.9 36.0 54.0

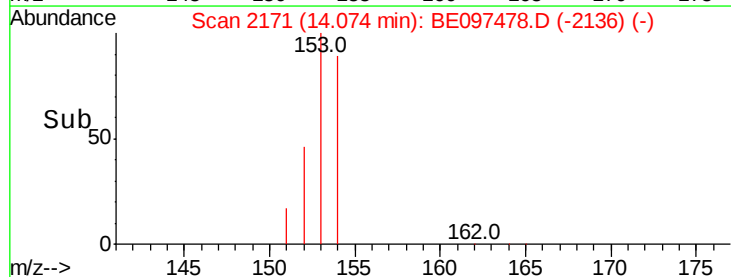
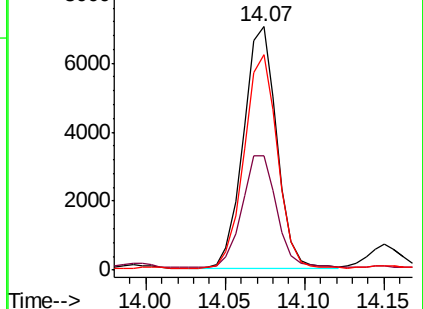
154 88.6 72.0 108.0

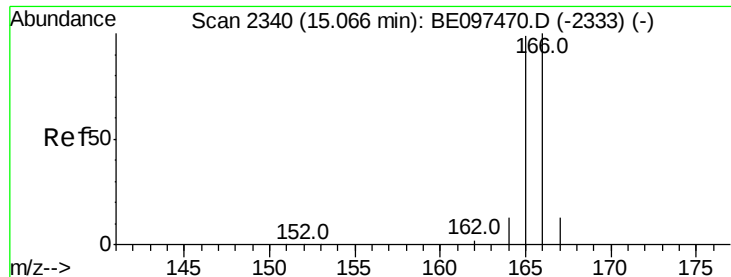


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.667 ng/ul

RT: 15.07 min Scan# 2340

Delta R.T. 0.00 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

Instrument :

BNA_E

ClientSampleId :

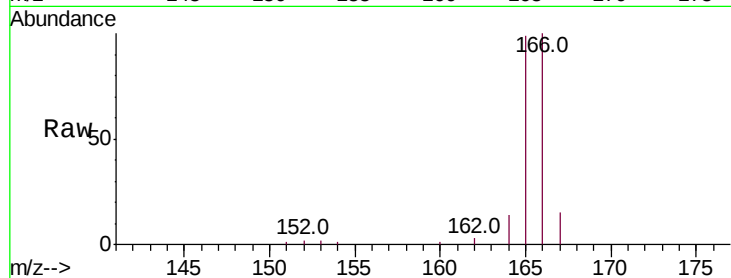
Tot Ion:166 Resp: 11661

Ion Ratio Lower Upper

166 100

165 99.2 73.4 110.2

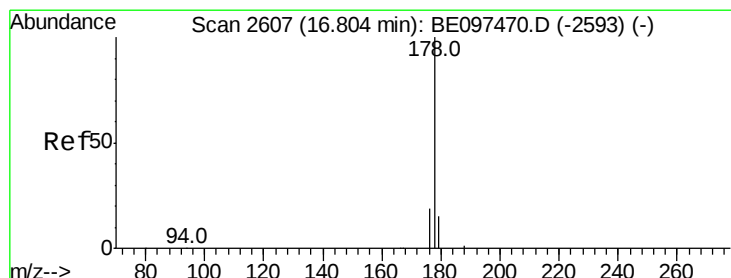
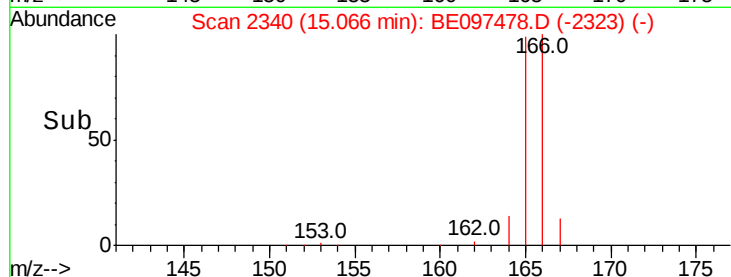
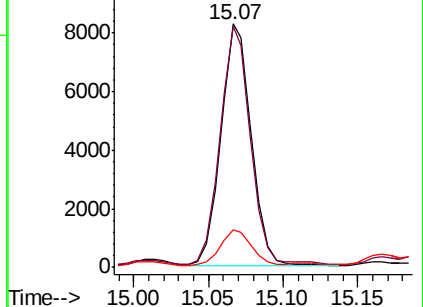
167 15.3 14.6 22.0



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



#12

Phenanthrene

Concen: 7.377 ng/ul

RT: 16.80 min Scan# 2607

Delta R.T. -0.00 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

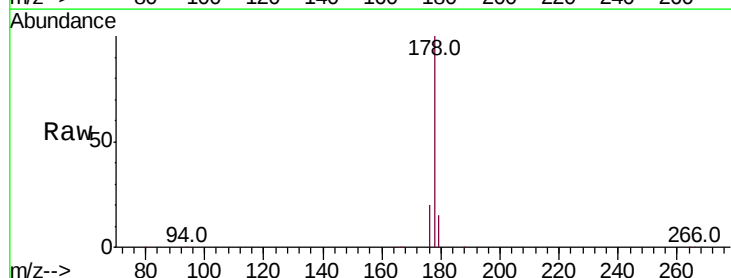
Tgt Ion:178 Resp: 233083

Ion Ratio Lower Upper

178 100

179 15.4 18.4 27.6#

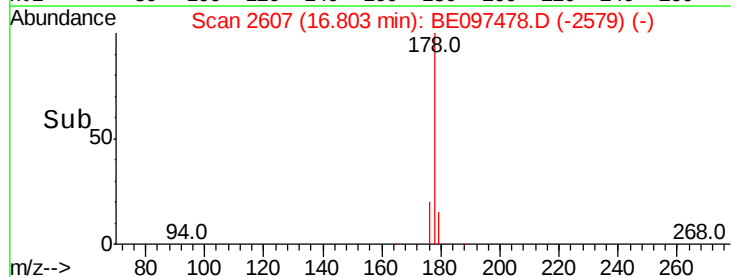
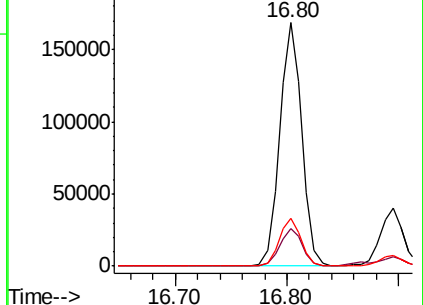
176 19.6 13.6 20.4

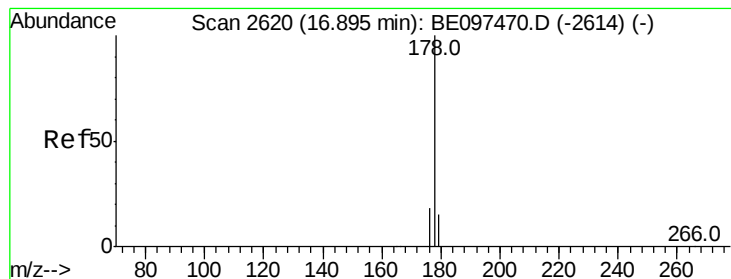


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 2.051 ng/ul

RT: 16.89 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

Instrument :

BNA_E

ClientSampleId :

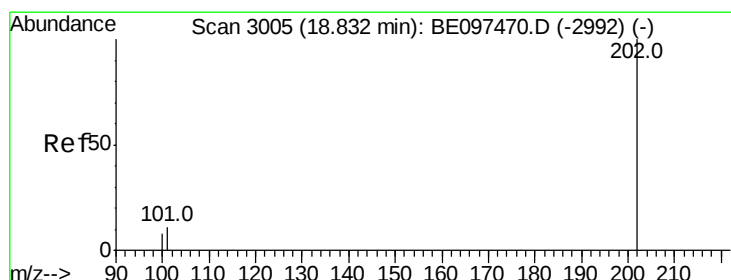
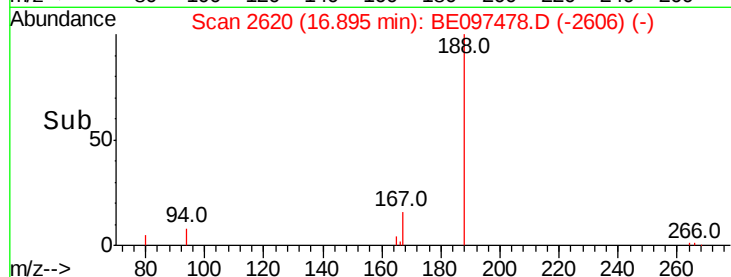
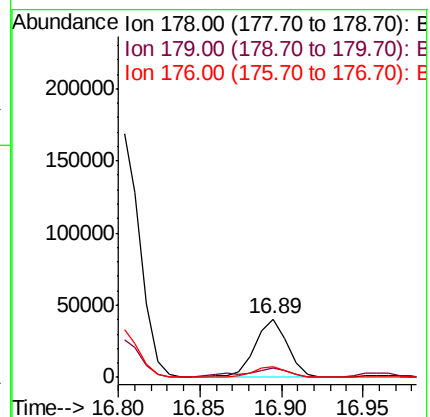
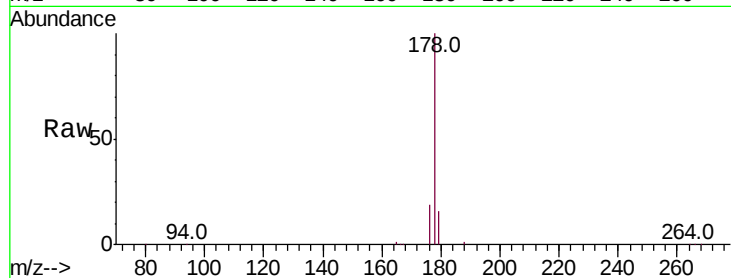
Tot Ion:178 Resp: 54478

Ion Ratio Lower Upper

178 100

179 15.9 18.1 27.1#

176 18.9 14.7 22.1



#15

Fluoranthene

Concen: 9.855 ng/ul

RT: 18.84 min Scan# 3006

Delta R.T. 0.00 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

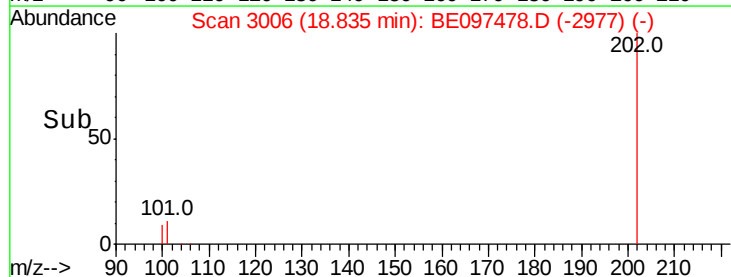
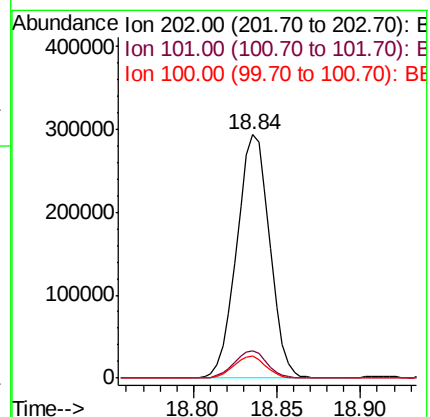
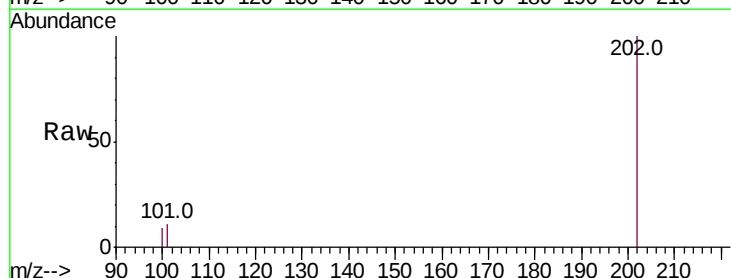
Tgt Ion:202 Resp: 400002

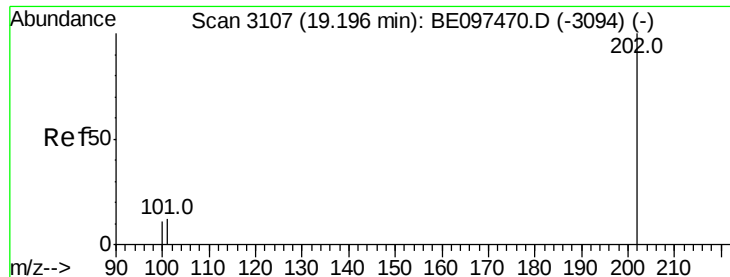
Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.3

100 9.0 0.0 39.5





#17

Pvrene

Concen: 12.980 ng/ul

RT: 19.20 min Scan# 3109

Delta R.T. 0.01 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

Instrument :

BNA_E

ClientSampleId :

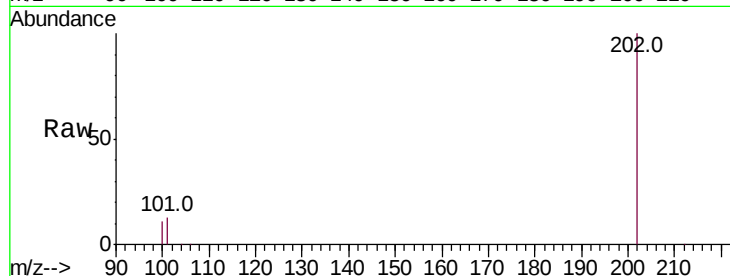
Tot Ion:202 Resp: 462874

Ion Ratio Lower Upper

202 100

101 12.6 18.2 27.4#

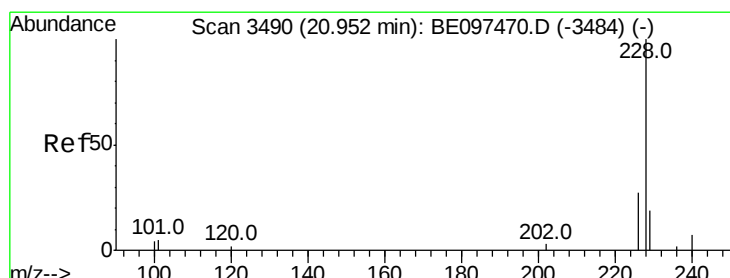
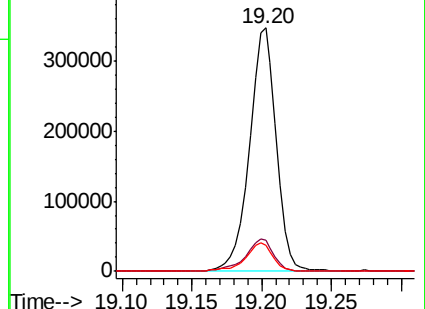
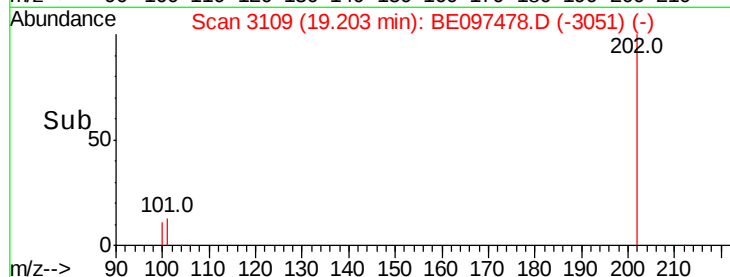
100 10.5 15.6 23.4#



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: 6.682 ng/ul

RT: 20.96 min Scan# 3491

Delta R.T. 0.01 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

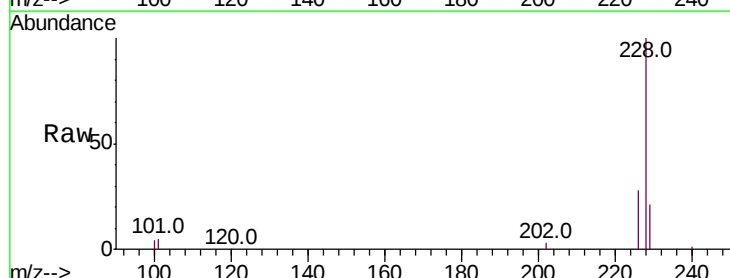
Tgt Ion:228 Resp: 227463

Ion Ratio Lower Upper

228 100

229 20.6 22.8 34.2#

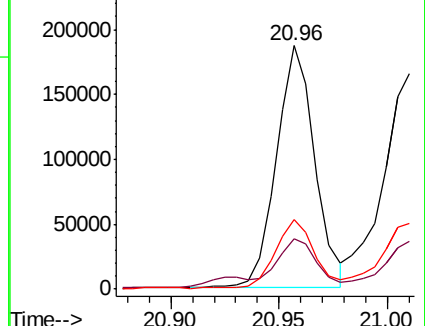
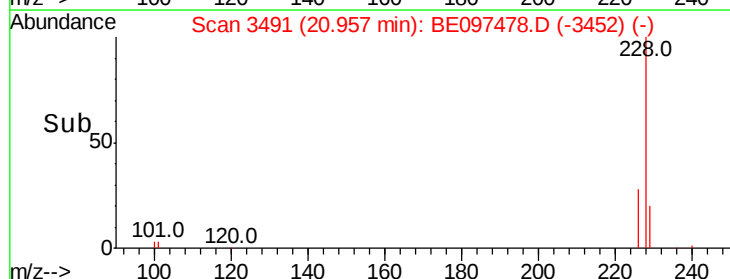
226 28.4 17.0 25.6#

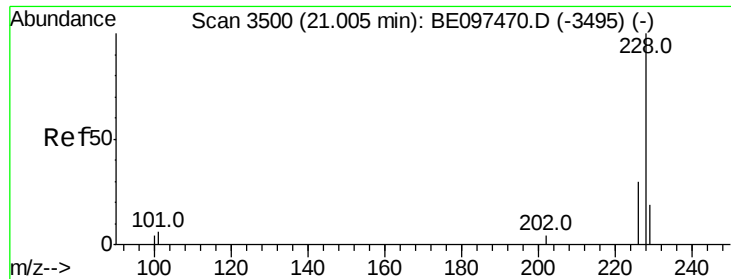


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 5.859 ng/ul

RT: 21.01 min Scan# 3501

Delta R.T. 0.01 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

Instrument :

BNA_E

ClientSampled :

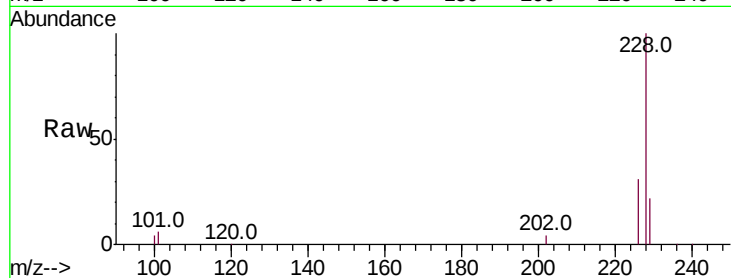
Tot Ion:228 Resp: 229806

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

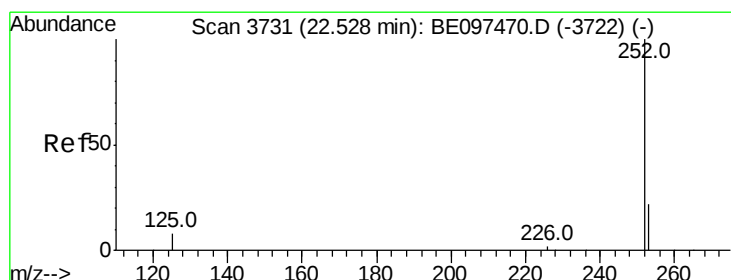
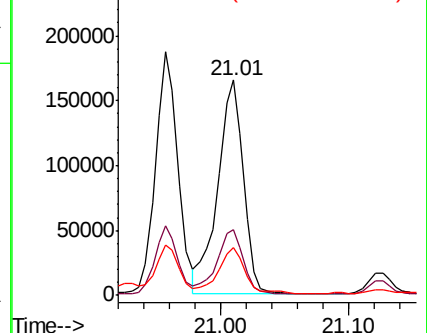
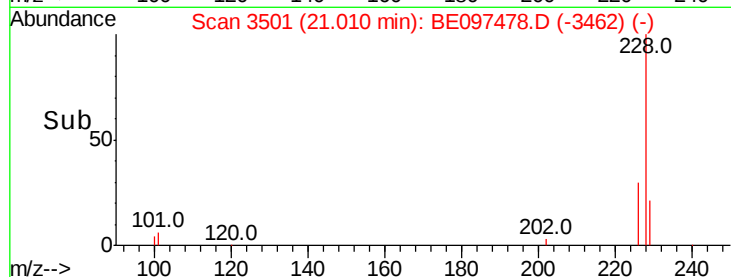
229 22.1 17.7 26.5



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: 9.103 ng/ul

RT: 22.54 min Scan# 3733

Delta R.T. 0.01 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

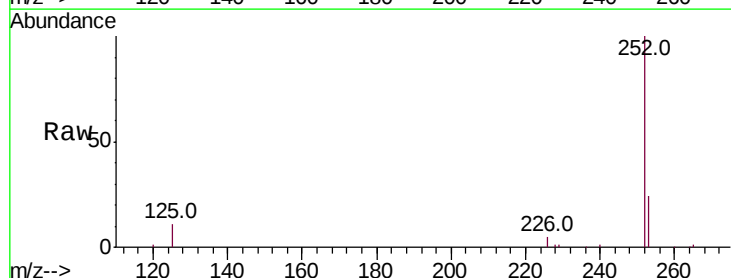
Tgt Ion:252 Resp: 339737

Ion Ratio Lower Upper

252 100

253 23.6 0.0 64.2

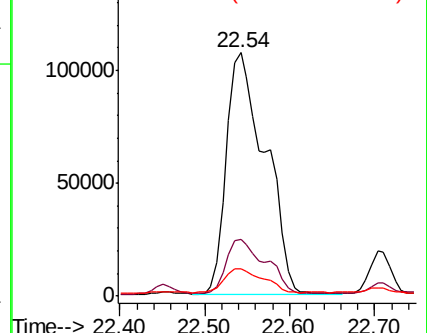
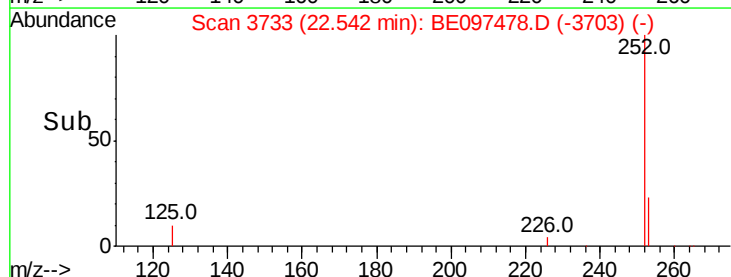
125 11.1 0.0 35.0

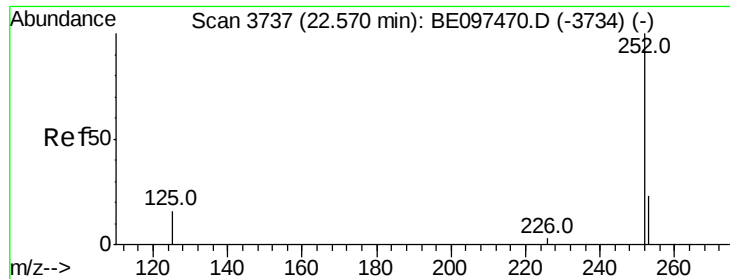


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 8.163 ng/ul

RT: 22.54 min Scan# 3733

Delta R.T. -0.03 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

Instrument :

BNA_E

ClientSampled :

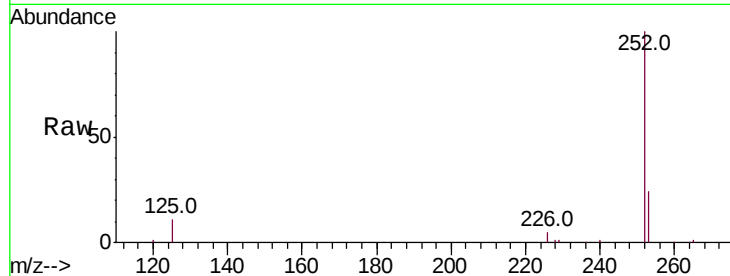
Tot Ion:252 Resp: 339737

Ion Ratio Lower Upper

252 100

253 23.6 24.5 36.7#

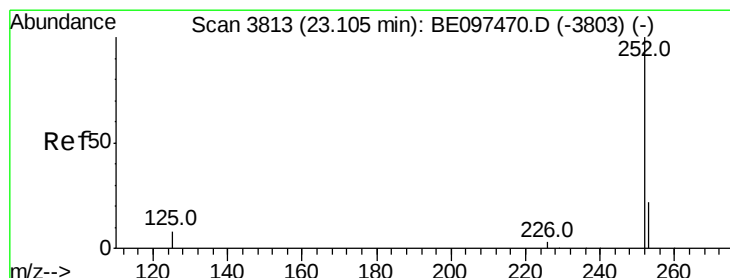
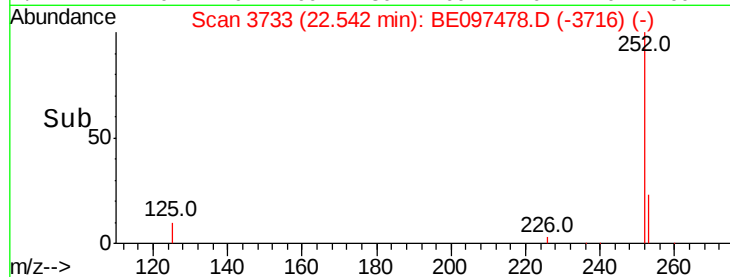
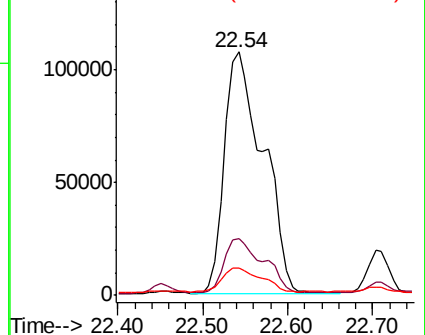
125 11.1 13.7 20.5#



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: 5.879 ng/ul

RT: 23.11 min Scan# 3814

Delta R.T. 0.01 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

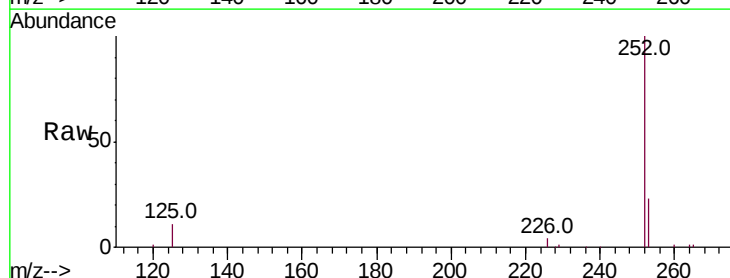
Tgt Ion:252 Resp: 202964

Ion Ratio Lower Upper

252 100

253 23.1 28.5 42.7#

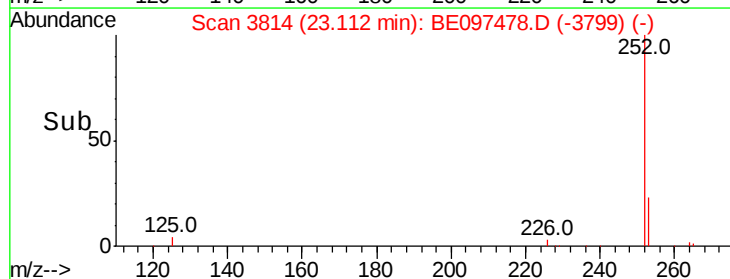
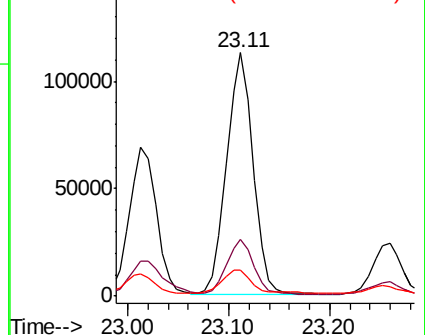
125 10.5 18.1 27.1#

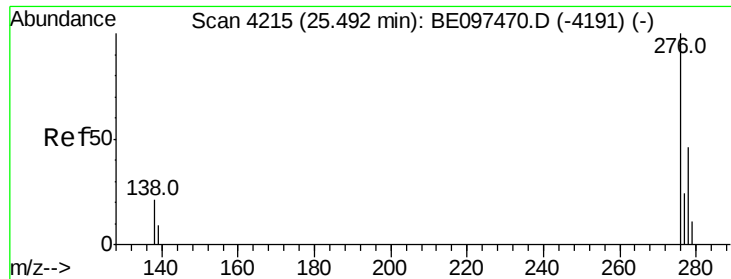


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

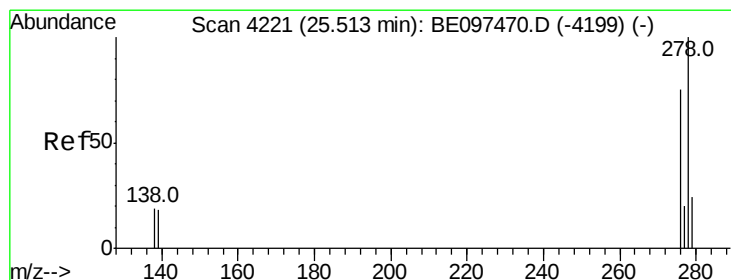
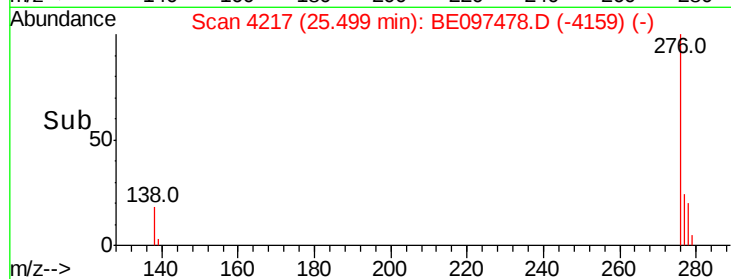
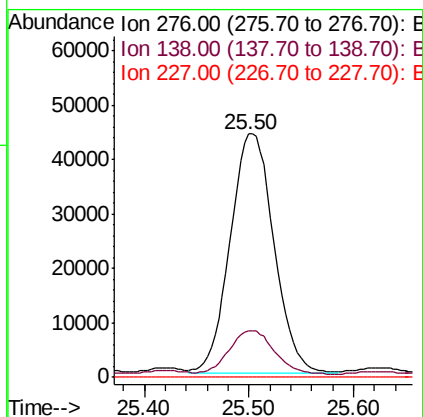
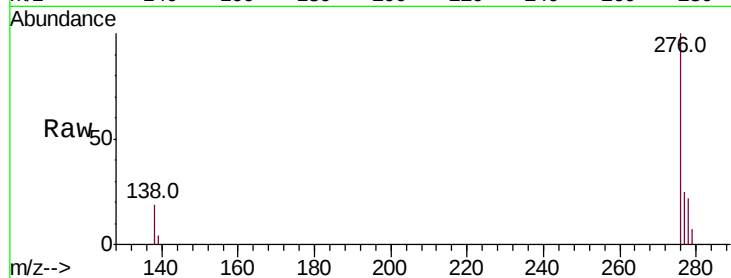




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.851 ng/ul
 RT: 25.50 min Scan# 4217
 Delta R.T. 0.01 min
 Lab File: BE097478.D
 Acq: 13 Sep 2018 7:59

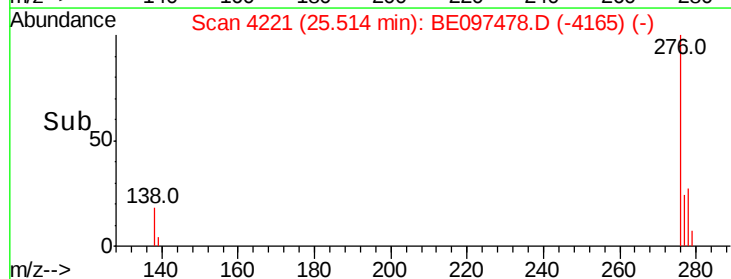
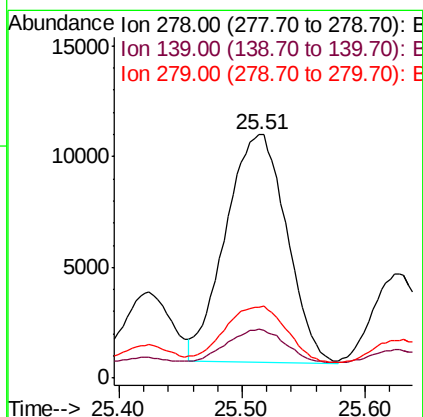
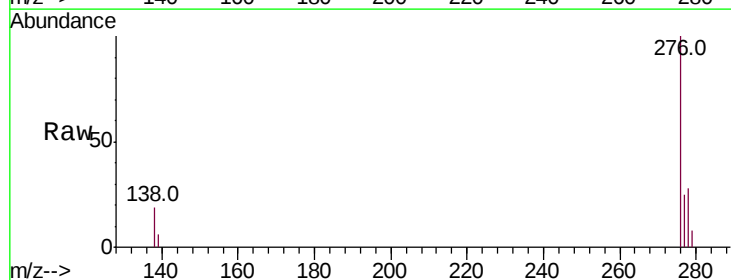
Instrument :
 BNA_E
 ClientSampleId :

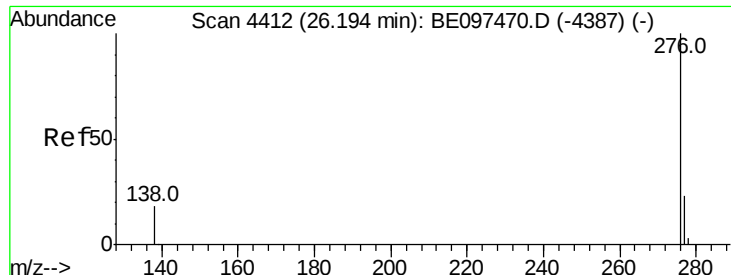
Tot Ion:276 Resp: 127564
 Ion Ratio Lower Upper
 276 100
 138 18.6 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.930 ng/ul
 RT: 25.51 min Scan# 4221
 Delta R.T. 0.00 min
 Lab File: BE097478.D
 Acq: 13 Sep 2018 7:59

Tgt Ion:278 Resp: 35255
 Ion Ratio Lower Upper
 278 100
 139 20.3 17.4 26.0
 279 29.2 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 3.040 ng/ul

RT: 26.21 min Scan# 4416

Delta R.T. 0.01 min

Lab File: BE097478.D

Acq: 13 Sep 2018 7:59

Instrument :

BNA_E

ClientSampleId :

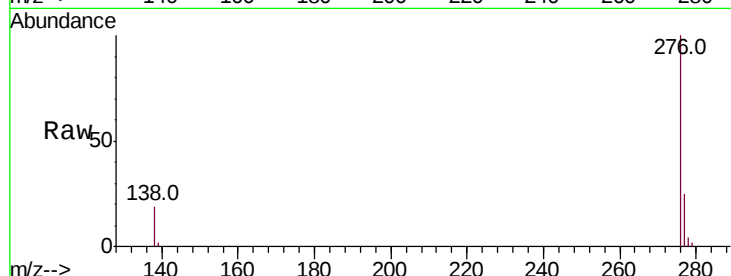
Tot Ion:276 Resp: 115991

Ion Ratio Lower Upper

276 100

138 19.2 21.8 32.8#

277 24.6 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

