

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
 Data File : BE097454.D
 Acq On : 12 Sep 2018 15:07
 Operator : SJ/JU
 Sample : J4688-20MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 13 01:18:00 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 01:16:50 2018
 Response via : Initial Calibration

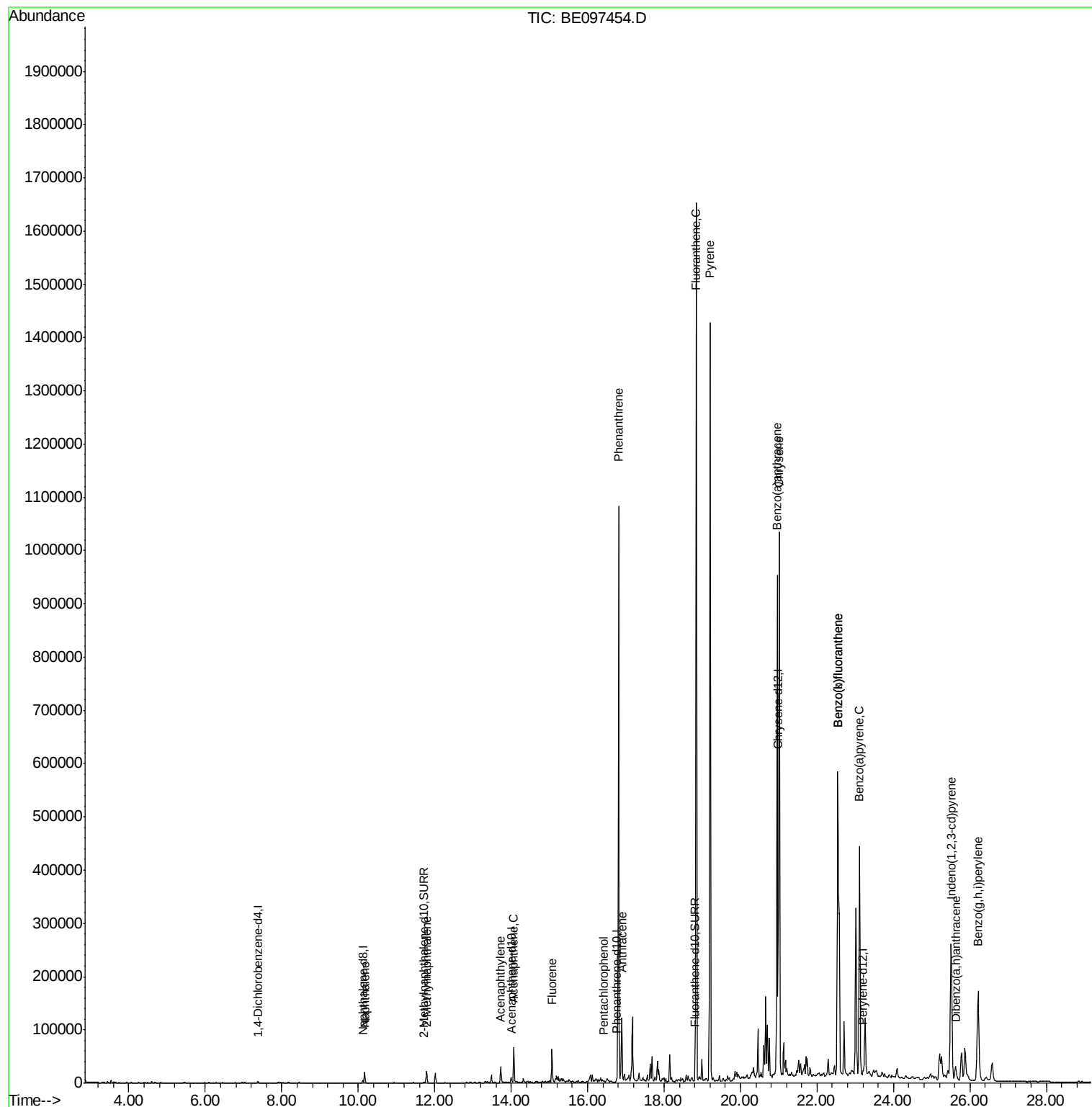
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1028	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	5652	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	3832	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	9361	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	10776	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	12313	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.71	152	1696	0.19	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	6119	0.20	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.17	128	28692	2.082	ng/ul#	91
5) 2-Methylnaphthalene	11.79	142	18111	2.079	ng/ul	97
7) Acenaphthylene	13.73	152	44273	3.172	ng/ul	96
8) Acenaphthene	14.07	153	38893	3.239	ng/ul	95
9) Fluorene	15.06	166	37140	2.701	ng/ul	93
11) Pentachlorophenol	16.43	266	348	0.377	ng/ul	96
12) Phenanthrene	16.81	178	1173769	48.710	ng/ul#	90
13) Anthracene	16.89	178	128981	6.366	ng/ul#	92
15) Fluoranthene	18.84	202	1898025	61.313	ng/ul	84
17) Pyrene	19.21	202	1626310	56.083	ng/ul#	81
18) Benzo(a)anthracene	20.96	228	733216	26.487	ng/ul#	83
19) Chrysene	21.01	228	876526	27.483	ng/ul	98
21) Benzo(b)fluoranthene	22.54	252	1294848	39.269	ng/ul	84
22) Benzo(k)fluoranthene	22.54	252	1294848	35.215	ng/ul#	86
23) Benzo(a)pyrene	23.11	252	592217	19.413	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.51	276	415142	10.500	ng/ul#	72
25) Dibenzo(a,h)anthracene	25.62	278	37909	1.132	ng/ul	96
26) Benzo(g,h,i)perylene	26.21	276	379195	11.249	ng/ul#	90

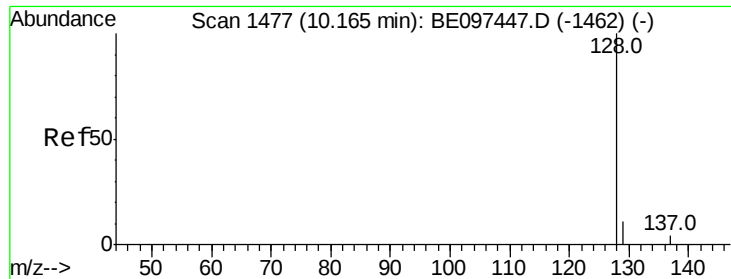
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.082 ng/ul

RT: 10.17 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

Instrument :

BNA_E

ClientSampleId :

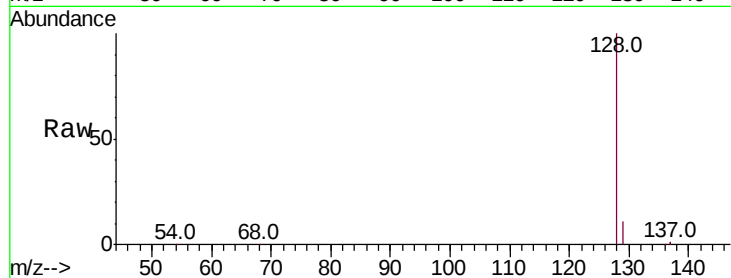
Tot Ion:128 Resp: 28692

Ion Ratio Lower Upper

128 100

129 11.4 11.3 16.9

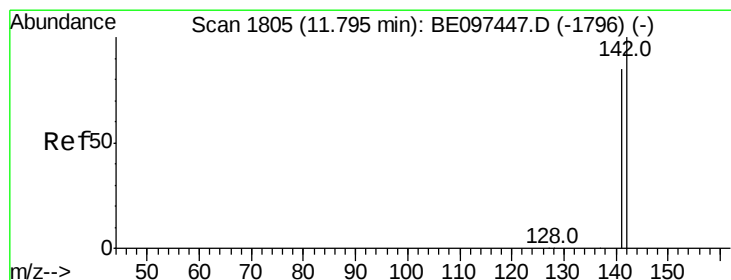
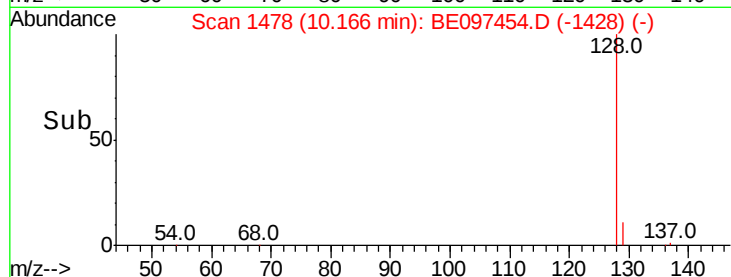
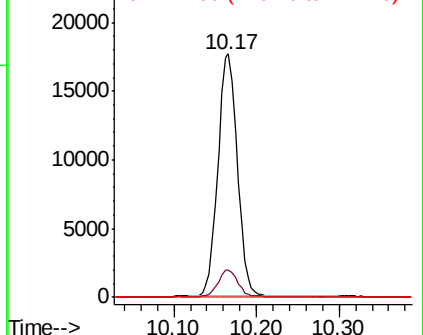
127 0.0 4.0 6.0#



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: 2.079 ng/ul

RT: 11.79 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BE097454.D

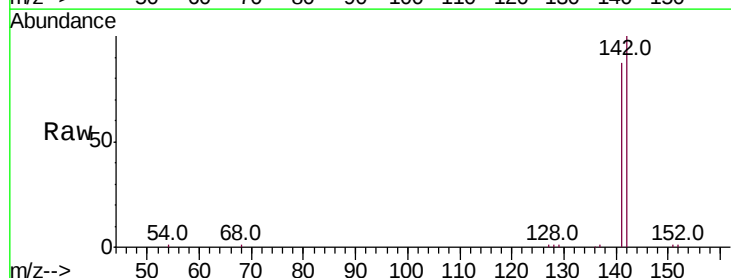
Acq: 12 Sep 2018 15:07

Tgt Ion:142 Resp: 18111

Ion Ratio Lower Upper

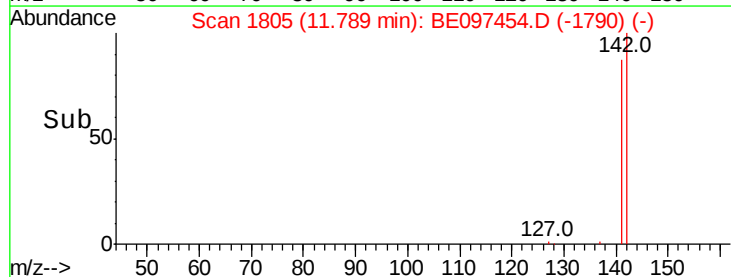
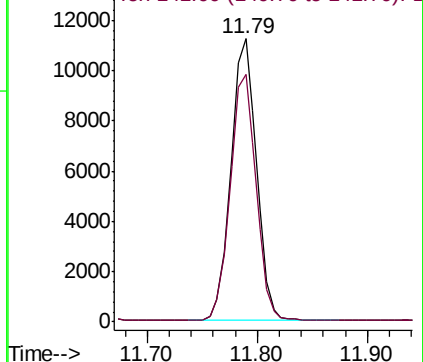
142 100

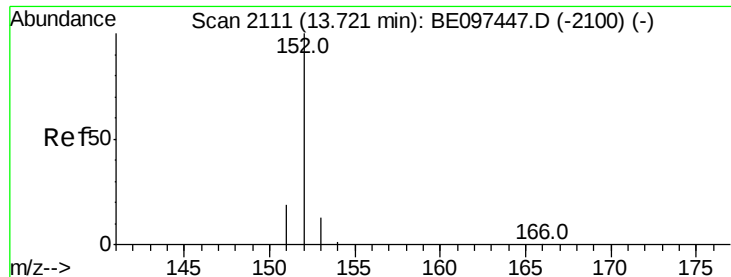
141 88.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.172 ng/ul

RT: 13.73 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

Instrument :

BNA_E

ClientSampleId :

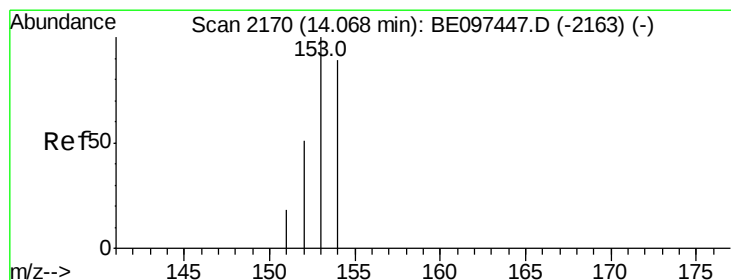
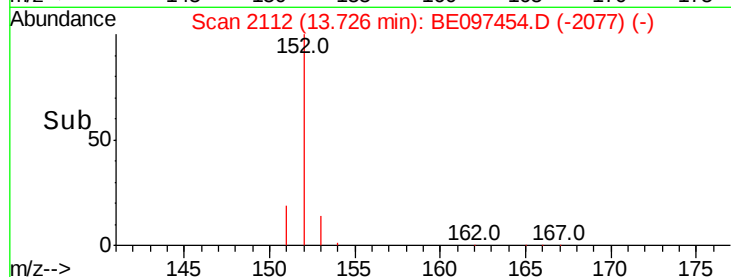
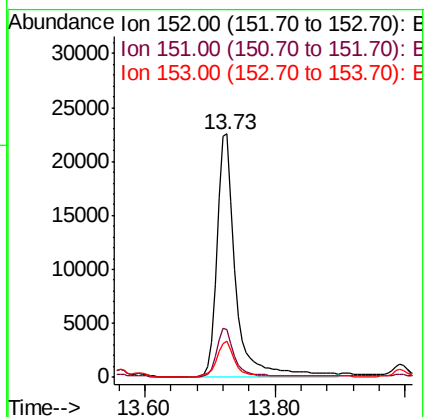
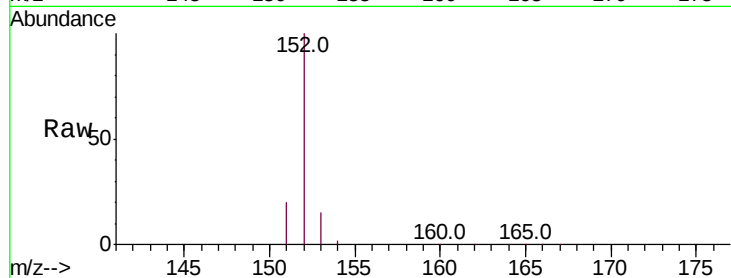
Tot Ion:152 Resp: 44273

Ion Ratio Lower Upper

152 100

151 19.6 17.1 25.7

153 14.6 12.8 19.2



#8

Acenaphthene

Concen: 3.239 ng/ul

RT: 14.07 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

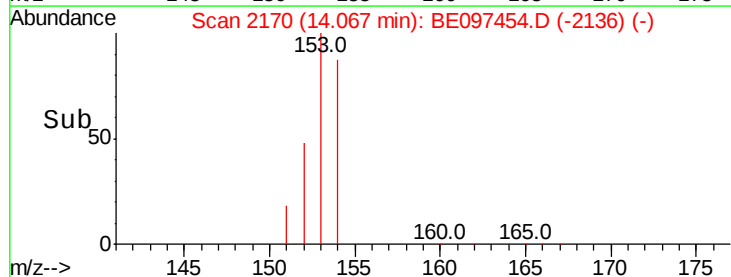
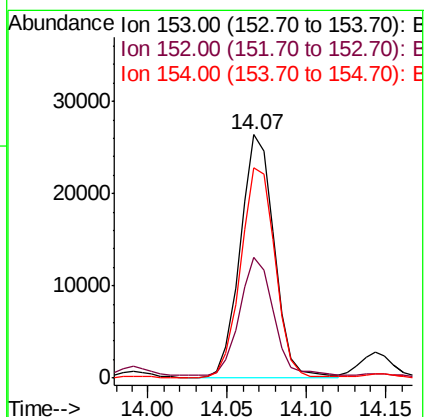
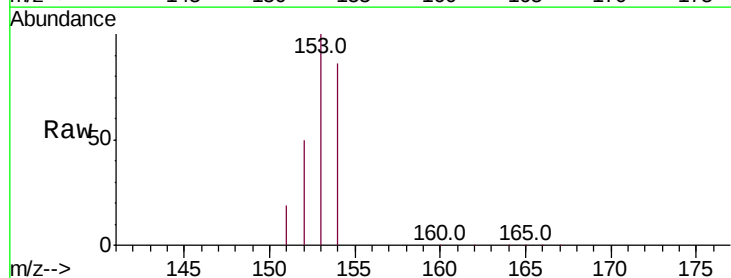
Tgt Ion:153 Resp: 38893

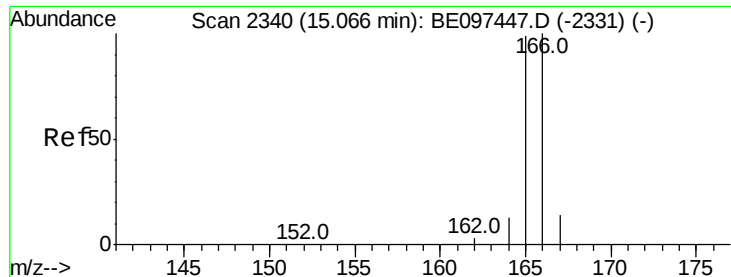
Ion Ratio Lower Upper

153 100

152 49.7 36.0 54.0

154 86.5 72.0 108.0





#9

Fluorene

Concen: 2.701 ng/ul

RT: 15.06 min Scan# 2340

Delta R.T. -0.00 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

Instrument :

BNA_E

ClientSampleId :

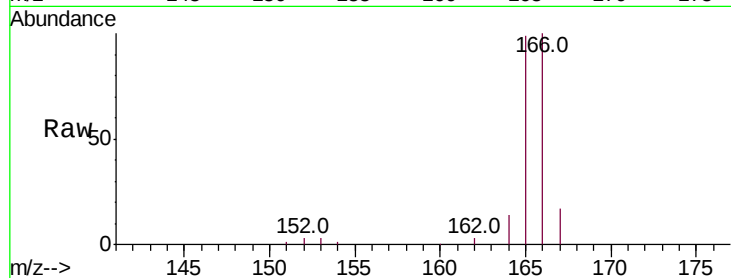
Tot Ion:166 Resp: 37140

Ion Ratio Lower Upper

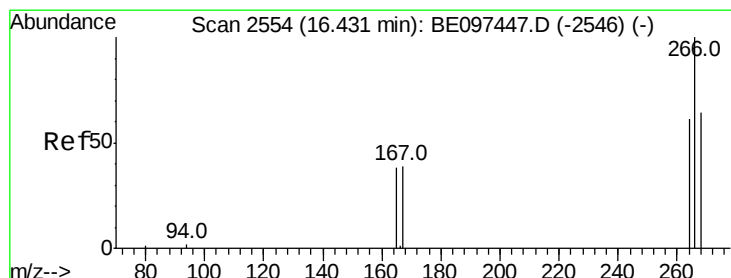
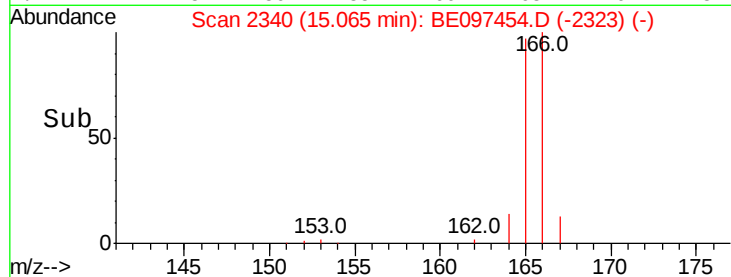
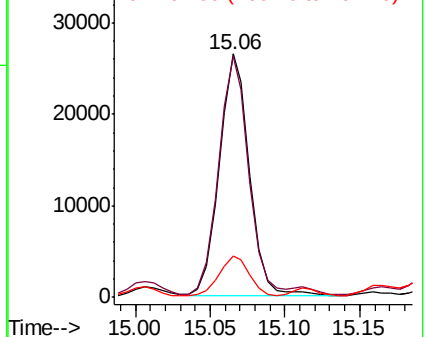
166 100

165 98.8 73.4 110.2

167 16.8 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: 0.377 ng/ul

RT: 16.43 min Scan# 2554

Delta R.T. -0.00 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

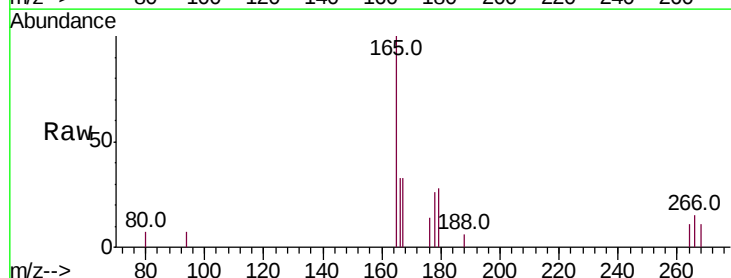
Tgt Ion:266 Resp: 348

Ion Ratio Lower Upper

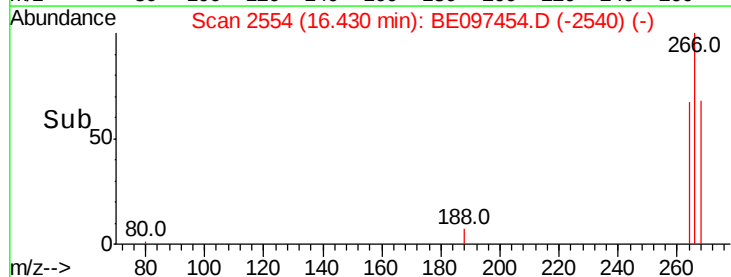
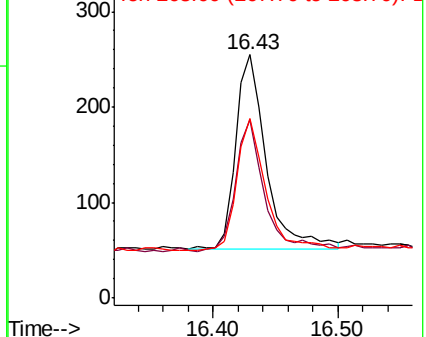
266 100

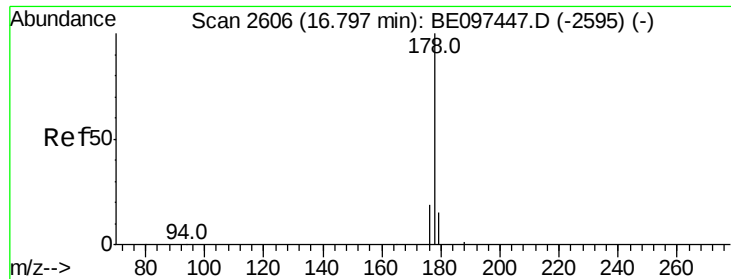
264 64.7 47.9 71.9

268 64.4 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: 48.710 ng/ul

RT: 16.81 min Scan# 2608

Delta R.T. 0.01 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

Instrument :

BNA_E

ClientSampleId :

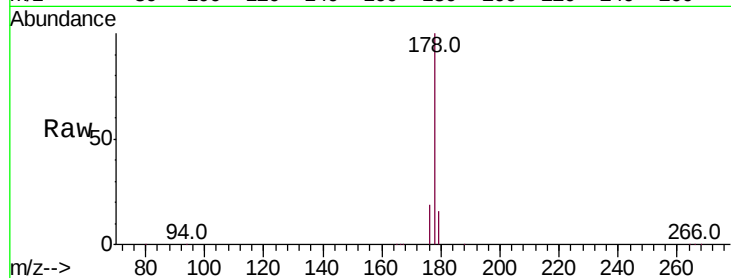
Tot Ion:178 Resp: 1173769

Ion Ratio Lower Upper

178 100

179 16.3 18.4 27.6#

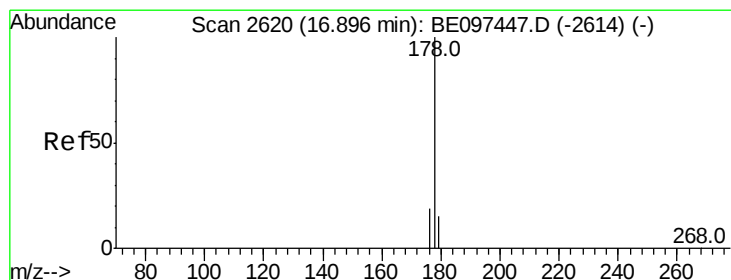
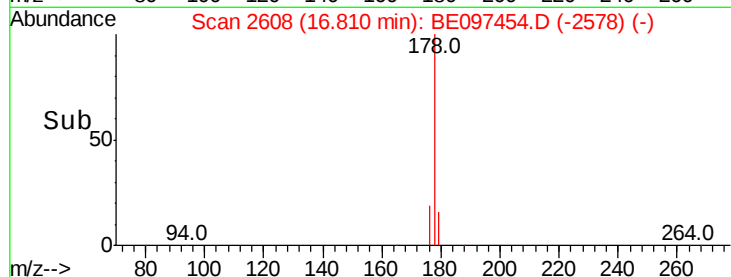
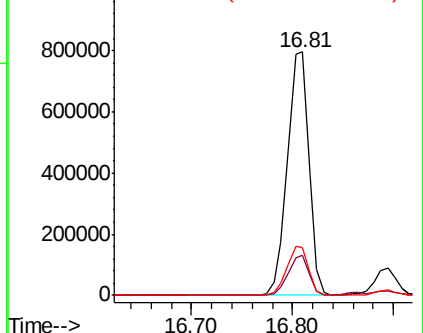
176 19.5 13.6 20.4



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: 6.366 ng/ul

RT: 16.89 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

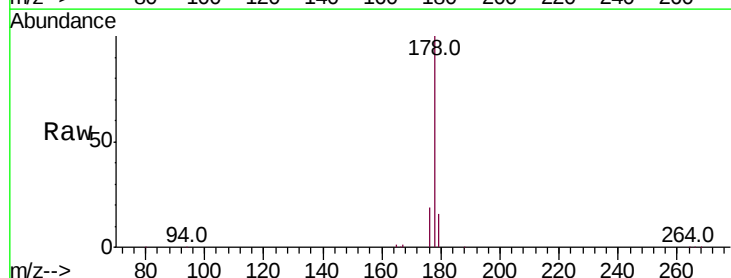
Tgt Ion:178 Resp: 128981

Ion Ratio Lower Upper

178 100

179 16.0 18.1 27.1#

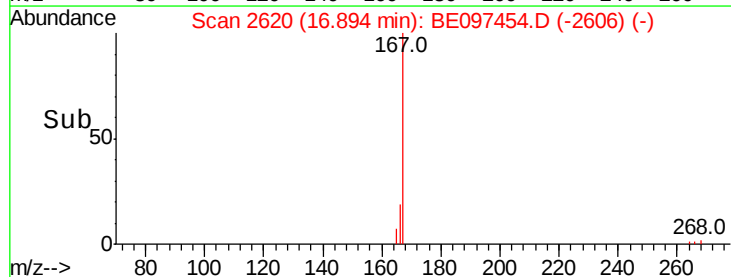
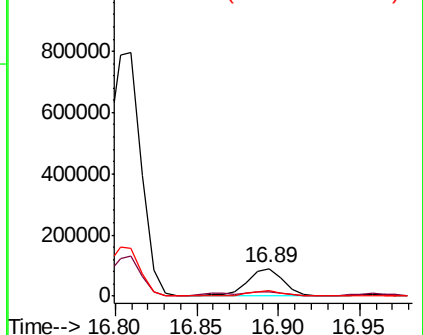
176 18.7 14.7 22.1

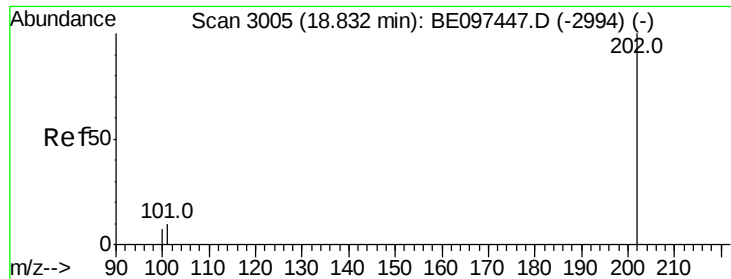


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

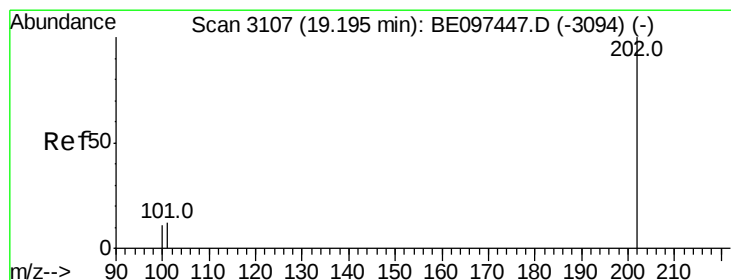
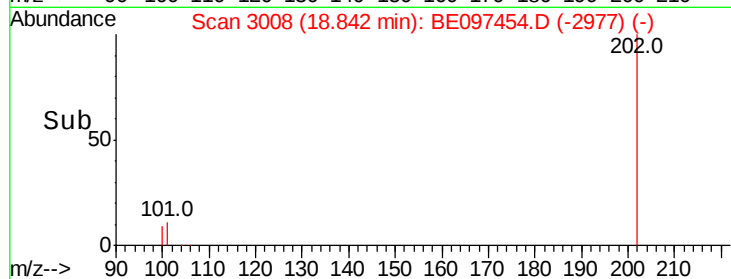
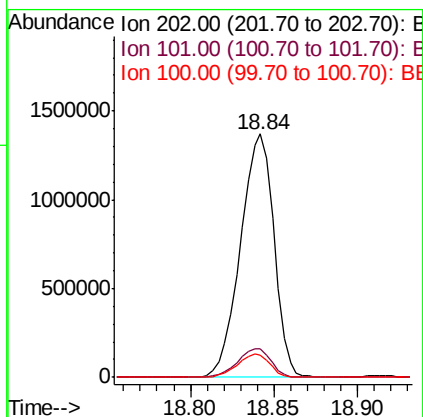
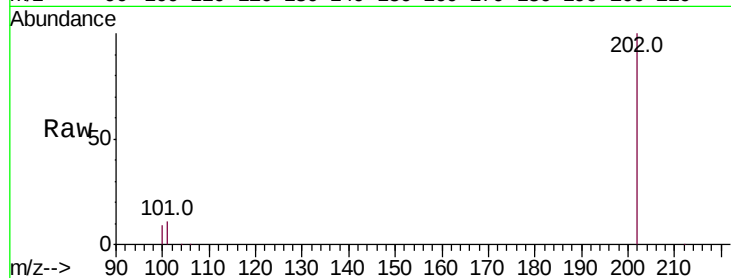




#15
Fluoranthene
Concen: 61.313 ng/ul
RT: 18.84 min Scan# 3008
Delta R.T. 0.01 min
Lab File: BE097454.D
Acq: 12 Sep 2018 15:07

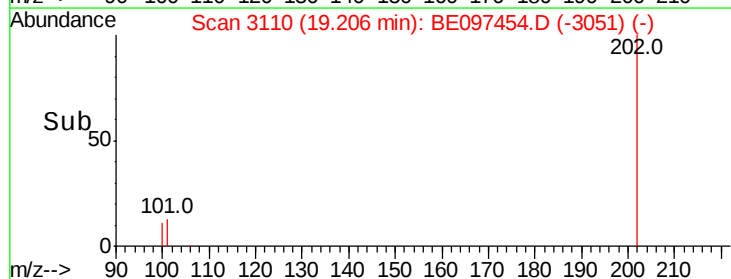
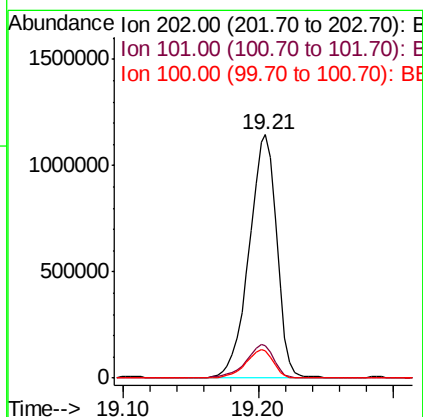
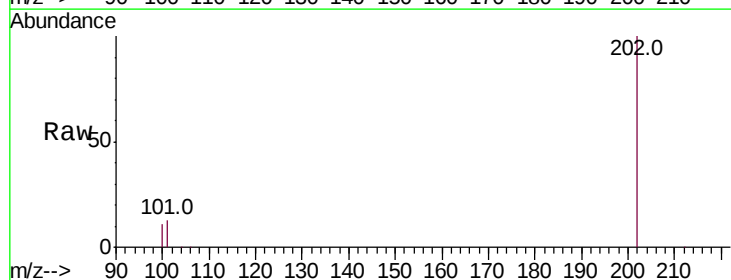
Instrument :
BNA_E
ClientSampleId :

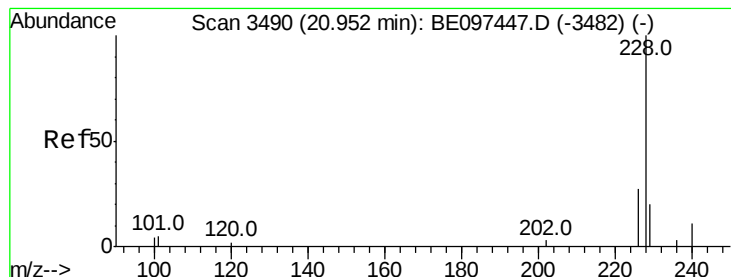
Tot Ion:202 Resp: 1898025
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.3
100 9.0 0.0 39.5



#17
Pyrene
Concen: 56.083 ng/ul
RT: 19.21 min Scan# 3110
Delta R.T. 0.01 min
Lab File: BE097454.D
Acq: 12 Sep 2018 15:07

Tgt Ion:202 Resp: 1626310
Ion Ratio Lower Upper
202 100
101 13.3 18.2 27.4#
100 11.3 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 26.487 ng/ul

RT: 20.96 min Scan# 3491

Delta R.T. 0.01 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

Instrument :

BNA_E

ClientSampleId :

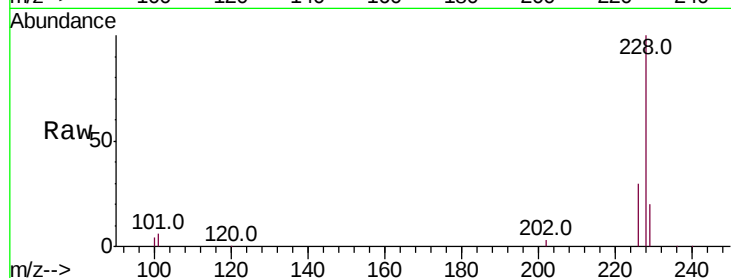
Tot Ion:228 Resp: 733216

Ion Ratio Lower Upper

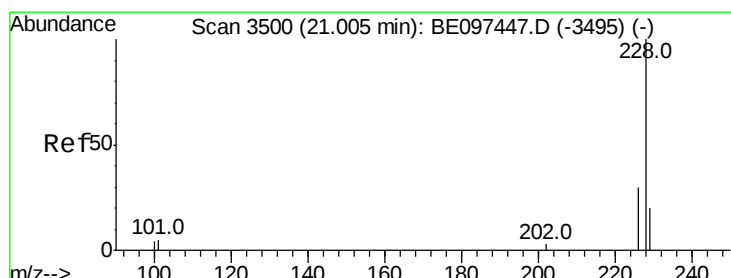
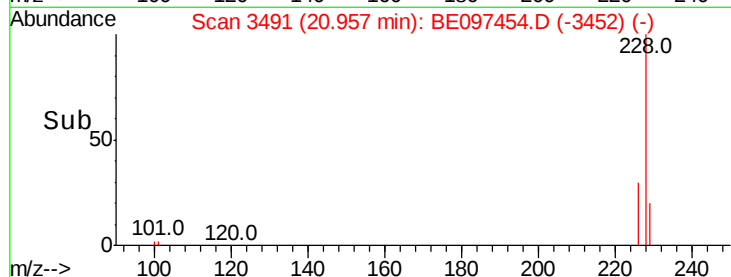
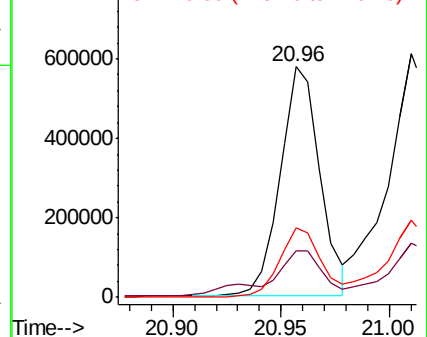
228 100

229 20.4 22.8 34.2#

226 30.4 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: 27.483 ng/ul

RT: 21.01 min Scan# 3501

Delta R.T. 0.01 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

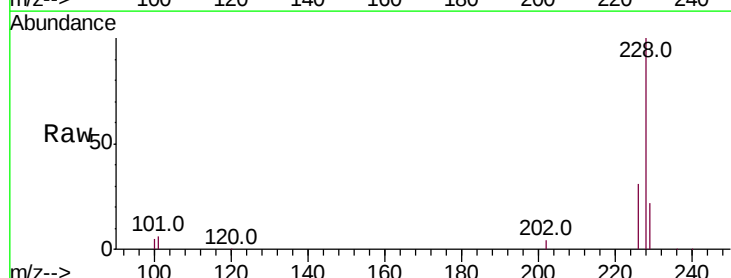
Tgt Ion:228 Resp: 876526

Ion Ratio Lower Upper

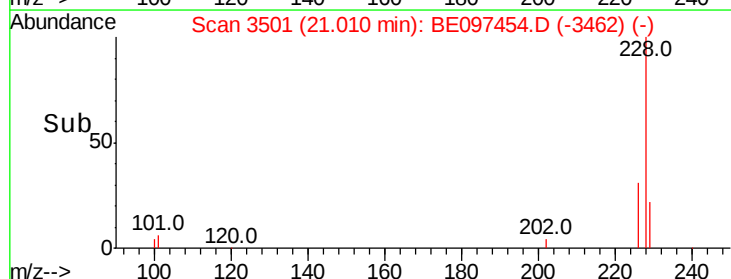
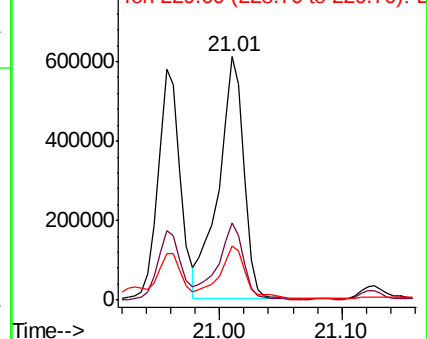
228 100

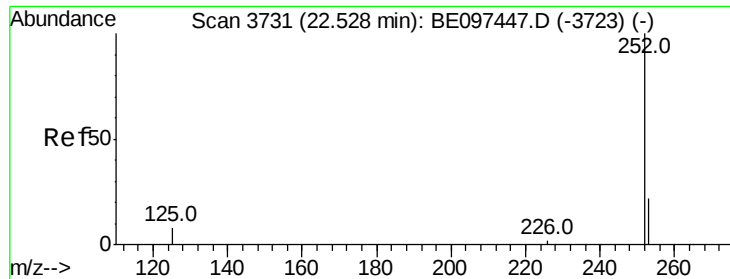
226 31.5 23.4 35.0

229 22.2 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: 39.269 ng/ul

RT: 22.54 min Scan# 3733

Delta R.T. 0.01 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

Instrument :

BNA_E

ClientSampled :

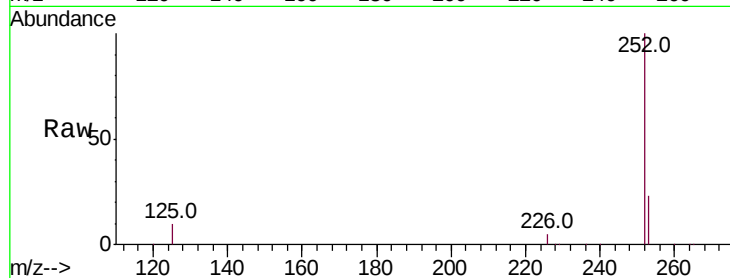
Tot Ion:252 Resp: 1294848

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

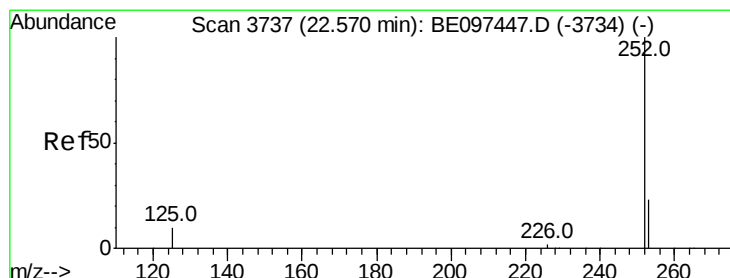
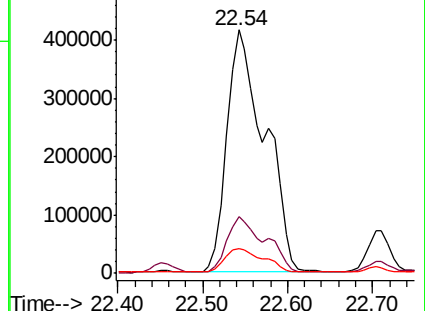
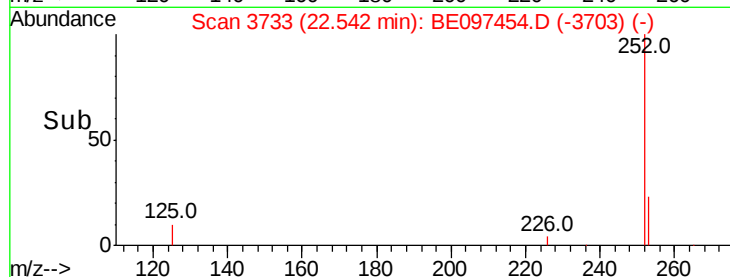
125 10.2 0.0 35.0



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: 35.215 ng/ul

RT: 22.54 min Scan# 3733

Delta R.T. -0.03 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

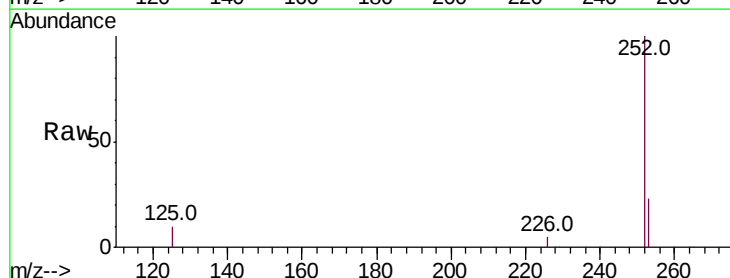
Tgt Ion:252 Resp: 1294848

Ion Ratio Lower Upper

252 100

253 23.2 24.5 36.7#

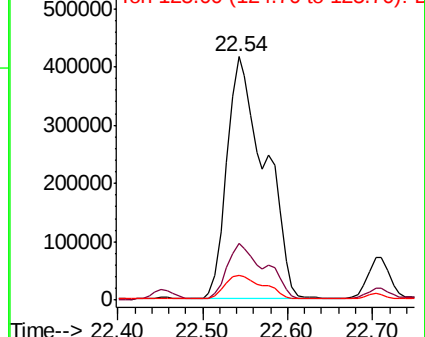
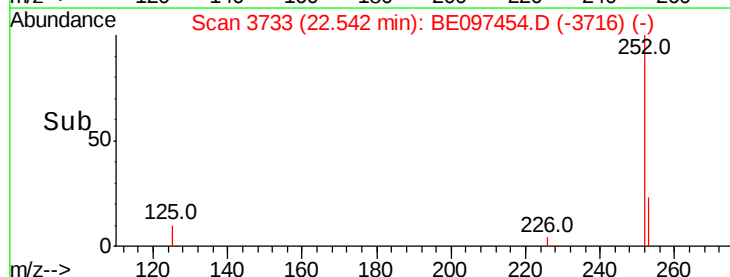
125 10.2 13.7 20.5#

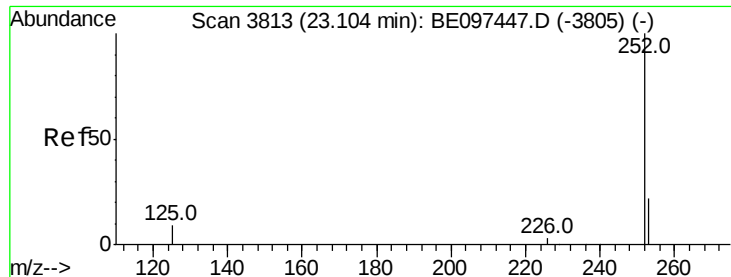


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 19.413 ng/ul

RT: 23.11 min Scan# 3814

Delta R.T. 0.01 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

Instrument :

BNA_E

ClientSampleId :

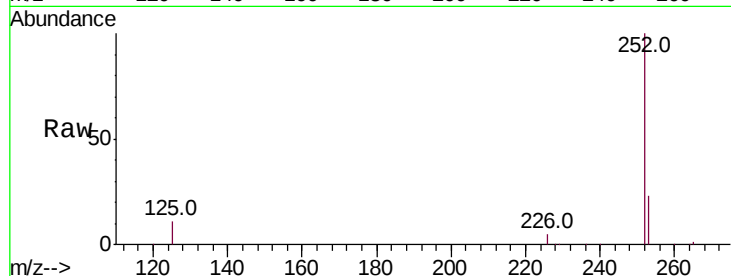
Tot Ion:252 Resp: 592217

Ion Ratio Lower Upper

252 100

253 23.1 28.5 42.7#

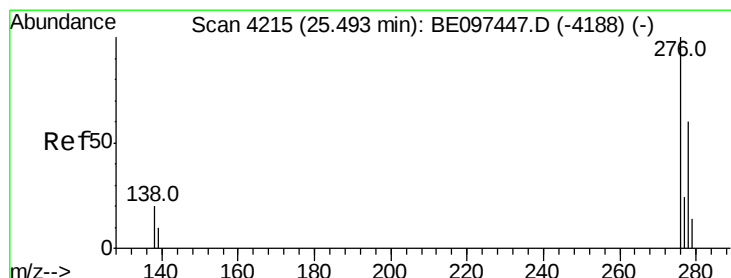
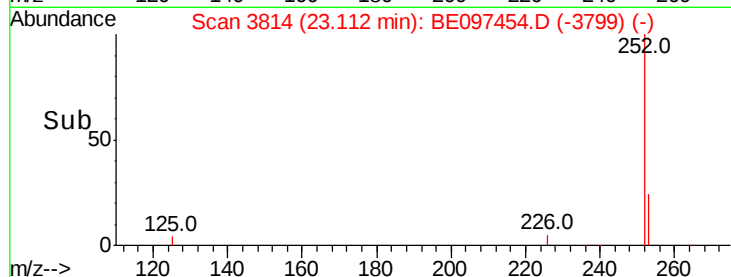
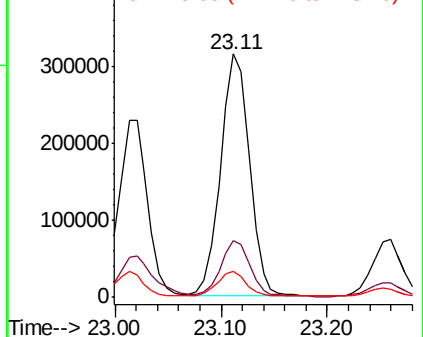
125 10.7 18.1 27.1#



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: 10.500 ng/ul

RT: 25.51 min Scan# 4219

Delta R.T. 0.01 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

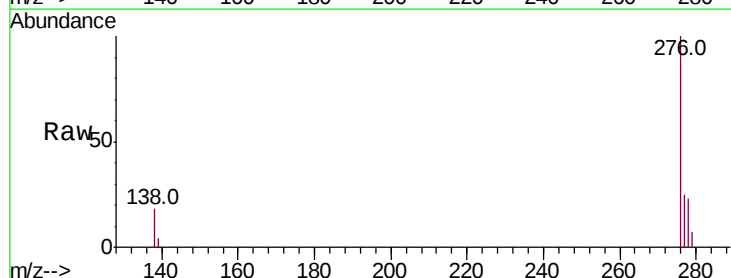
Tgt Ion:276 Resp: 415142

Ion Ratio Lower Upper

276 100

138 18.2 28.0 42.0#

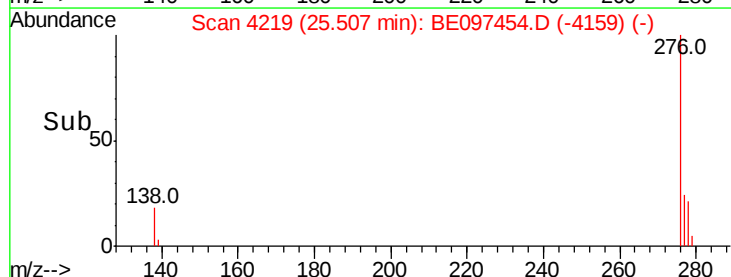
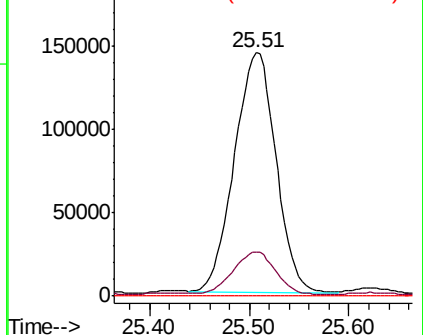
227 0.0 8.0 12.0#

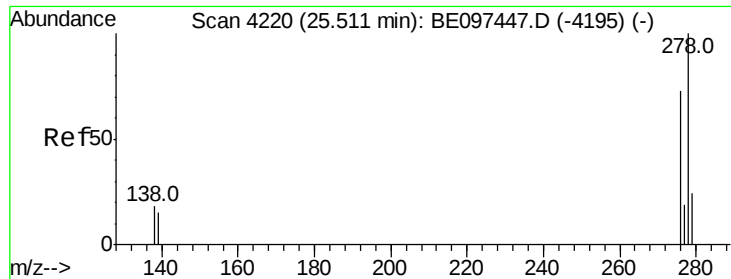


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 1.132 ng/ul

RT: 25.62 min Scan# 4252

Delta R.T. 0.11 min

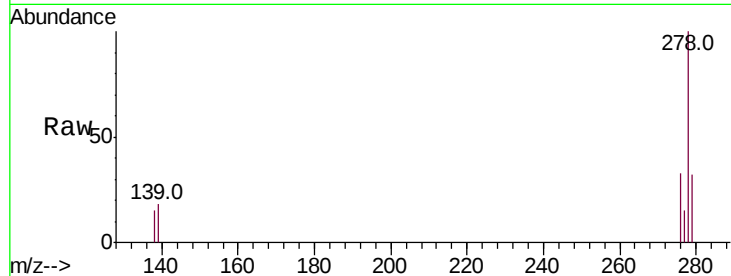
Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

Instrument :

BNA_E

ClientSampled :



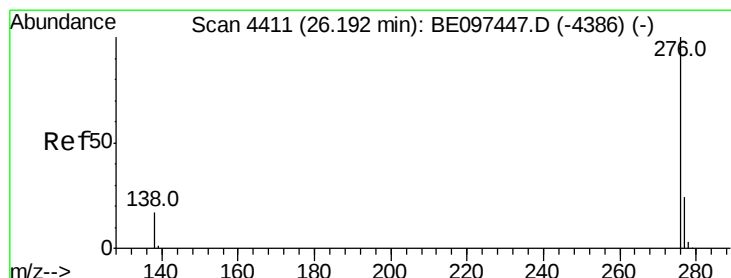
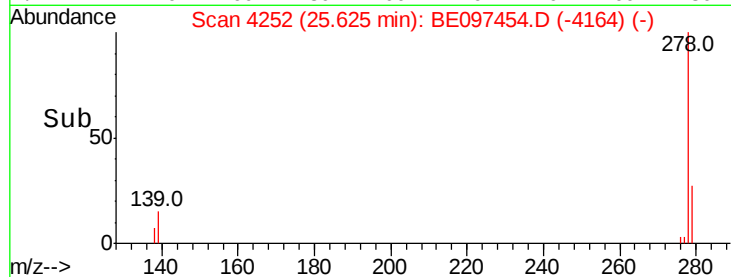
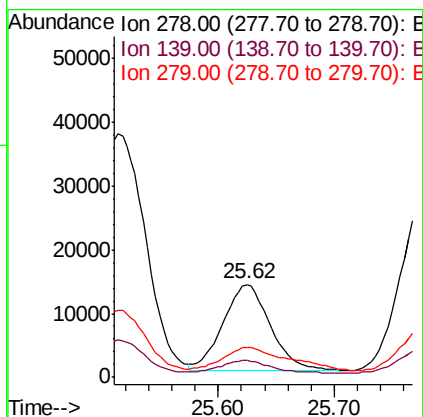
Tot Ion:278 Resp: 37909

Ion Ratio Lower Upper

278 100

139 18.0 17.4 26.0

279 32.0 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 11.249 ng/ul

RT: 26.21 min Scan# 4417

Delta R.T. 0.02 min

Lab File: BE097454.D

Acq: 12 Sep 2018 15:07

Tgt Ion:276 Resp: 379195

Ion Ratio Lower Upper

276 100

138 18.3 21.8 32.8#

277 24.4 20.5 30.7

