

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092018\
 Data File : BE097604.D
 Acq On : 21 Sep 2018 10:28
 Operator : SJ/JU
 Sample : J4892-10RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

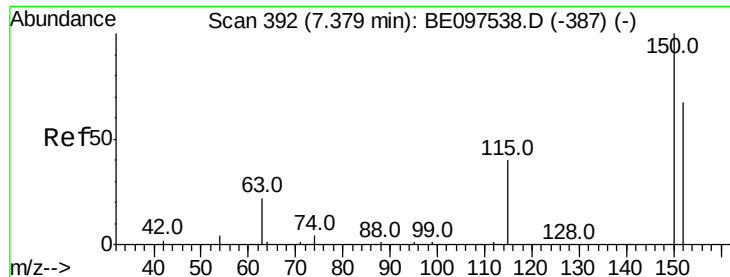
Quant Time: Sep 21 13:25:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 10:54:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	742	0.40	ng	-0.01
7) Naphthalene-d8	10.12	136	3868	0.40	ng	-0.01
13) Acenaphthene-d10	13.99	164	3867	0.40	ng	-0.01
19) Phenanthrene-d10	16.75	188	7178	0.40	ng	0.00
27) Chrysene-d12	20.97	240	9677	0.40	ng	0.00
34) Perylene-d12	23.20	264	9444	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	505	0.23	ng	0.00
5) Phenol-d6	6.59	99	356	0.13	ng	-0.01
8) Nitrobenzene-d5	8.52	82	1165	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	11.70	152	2497	0.47	ng	-0.01
14) 2,4,6-Tribromophenol	15.51	330	691	0.46	ng	-0.01
15) 2-Fluorobiphenyl	12.61	172	4485	0.33	ng	-0.01
25) Fluoranthene-d10	18.79	212	44867	0.49	ng	-0.01
29) Terphenyl-d14	19.41	244	10975	0.62	ng	-0.01

Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.36	42	305	0.288	ng	# 2
9) Naphthalene	10.17	128	42053	1.207	ng	# 90
12) 2-Methylnaphthalene	11.78	142	115909	21.323	ng	# 98
16) Acenaphthylene	13.71	152	1343	0.088	ng	# 1
17) Acenaphthene	14.06	154	1408	0.137	ng	# 47
18) Fluorene	15.05	166	5364	0.401	ng	# 78
22) Pentachlorophenol	16.42	266	76	0.177	ng	# 70
23) Phenanthrene	16.79	178	2185	0.128	ng	# 92
32) Bis(2-ethylhexyl)phthalate	20.89	149	6127	0.160	ng	# 100
37) Benzo(a)pyrene	23.11	252	12	0.021	ng	# 1

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

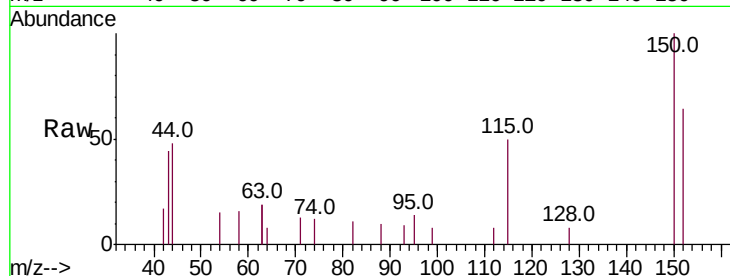


#1

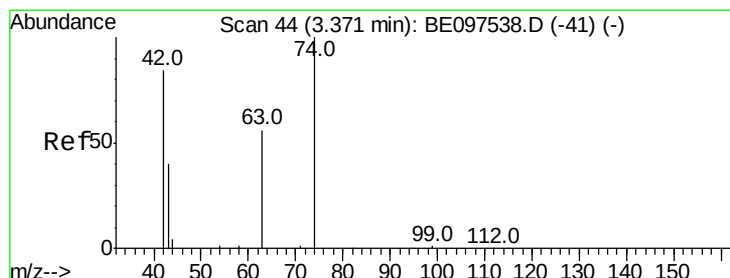
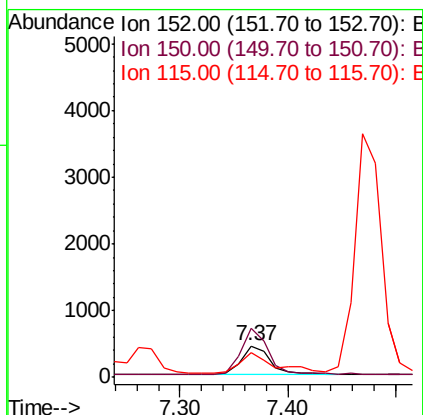
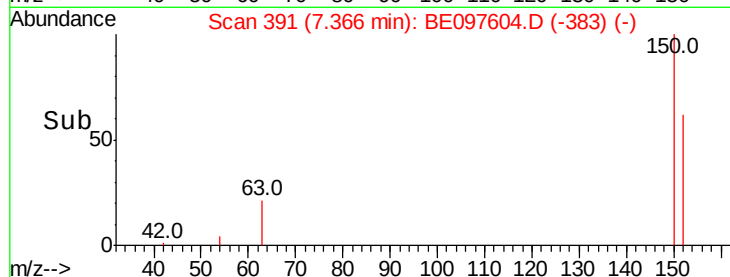
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097604.D
Acq: 21 Sep 2018 10:28

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 742
Ion Ratio Lower Upper
152 100
150 155.3 117.2 175.8
115 77.8 57.0 85.6



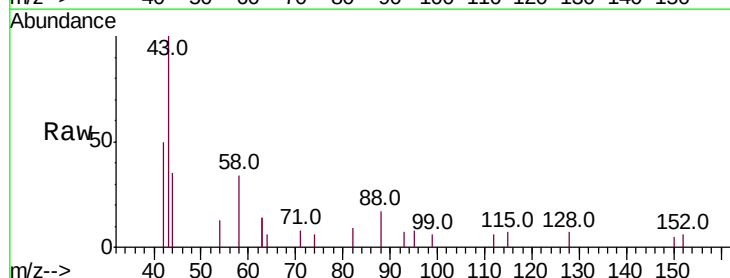
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



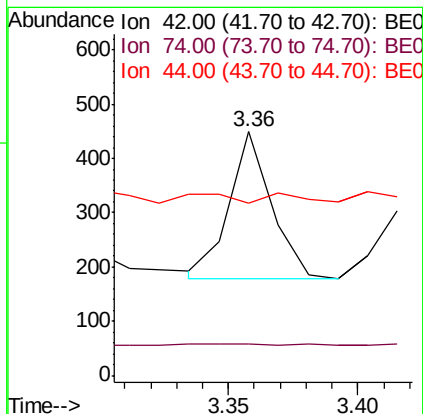
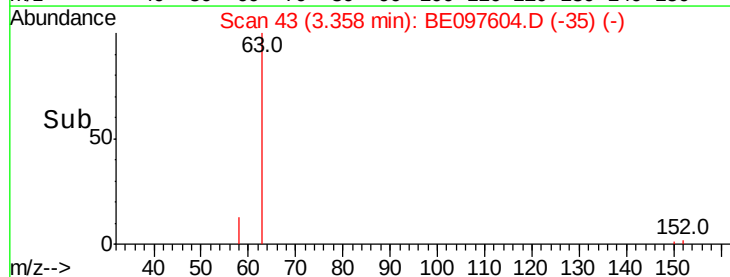
#3

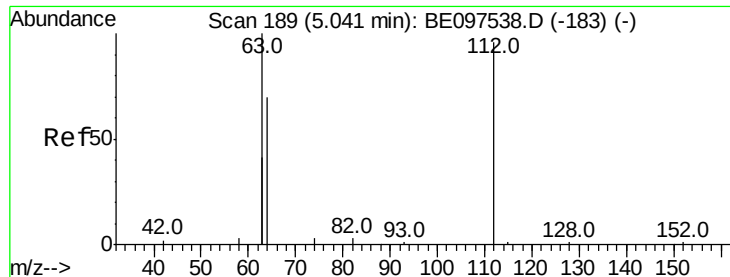
n-Nitrosodimethylamine
Concen: 0.288 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE097604.D
Acq: 21 Sep 2018 10:28

Tgt Ion: 42 Resp: 305
Ion Ratio Lower Upper
42 100
74 0.0 96.0 144.0#
44 7.9 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.227 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

Instrument :

BNA_E

ClientSampleId :

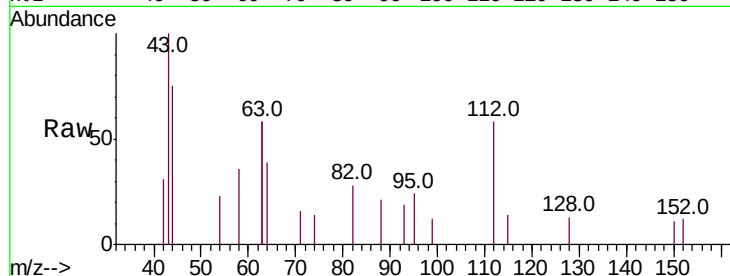
Tot Ion:112 Resp: 505

Ion Ratio Lower Upper

112 100

64 57.8 60.1 90.1#

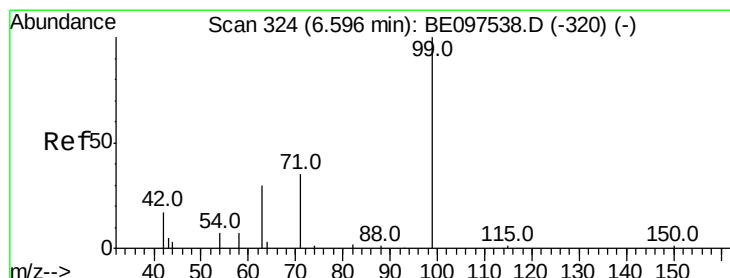
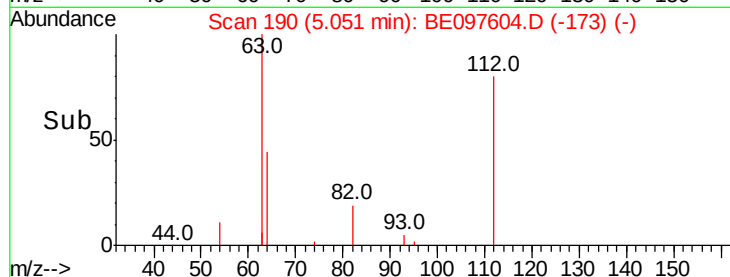
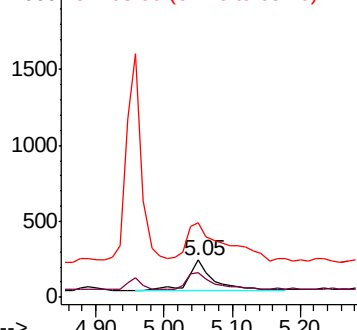
63 192.5 116.8 175.2#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.125 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.01 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

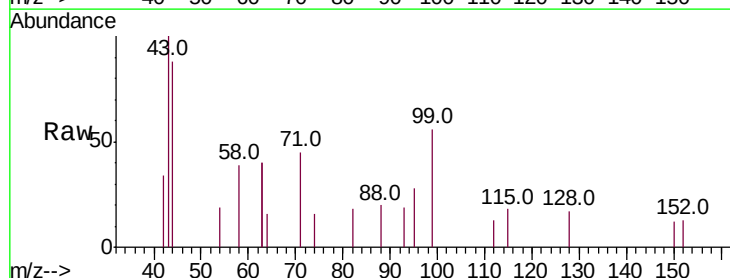
Tgt Ion: 99 Resp: 356

Ion Ratio Lower Upper

99 100

42 11.0 20.2 30.2#

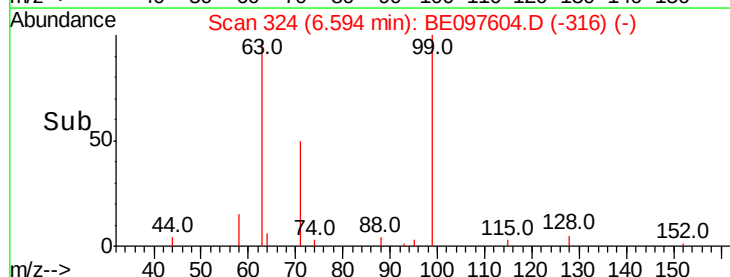
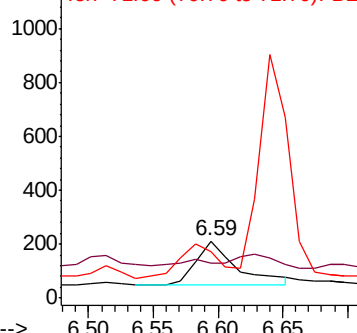
71 78.1 28.4 42.6#

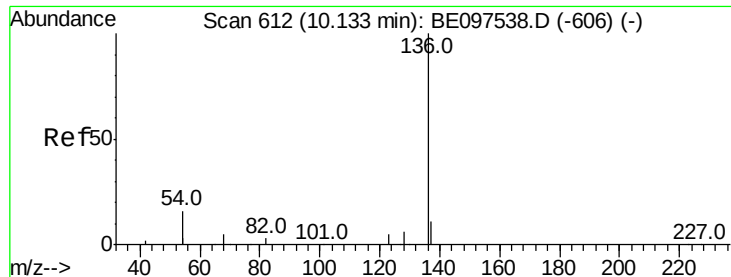


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3868

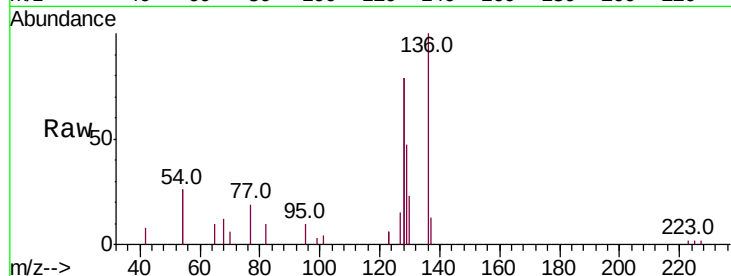
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 52.7 29.1 43.7#

68 12.4 6.2 9.2#

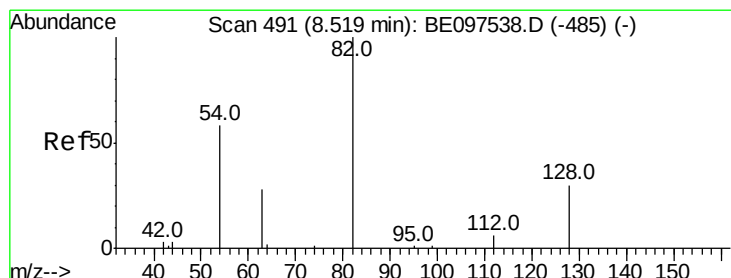
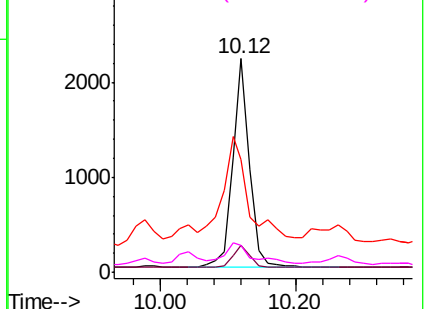
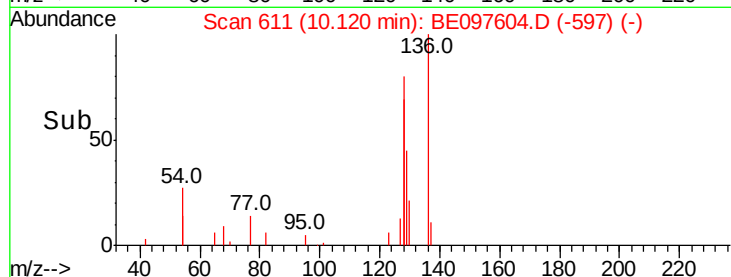


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.390 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.01 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

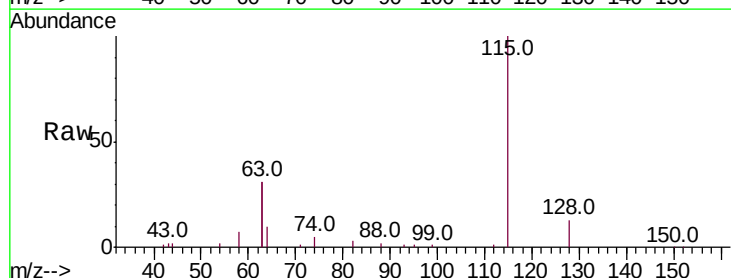
Tgt Ion: 82 Resp: 1165

Ion Ratio Lower Upper

82 100

128 365.9 24.0 36.0#

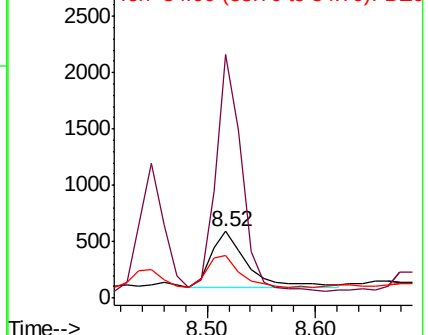
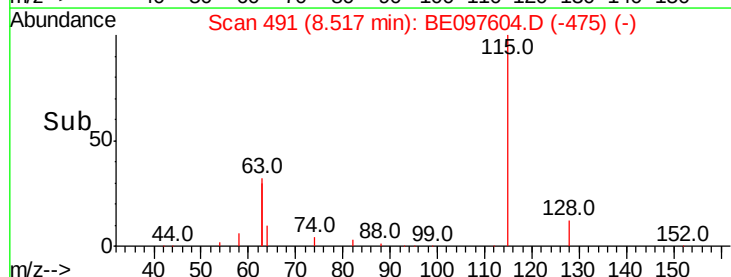
54 63.7 40.0 60.0#

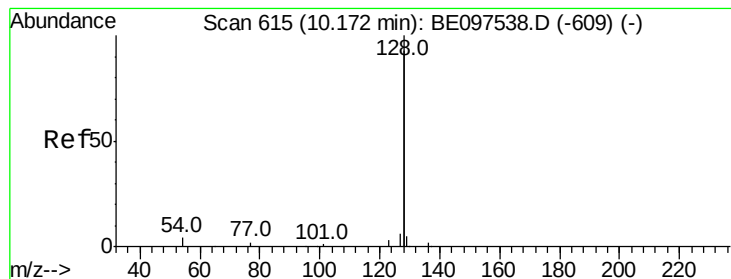


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 1.207 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

Instrument :

BNA_E

ClientSampleId :

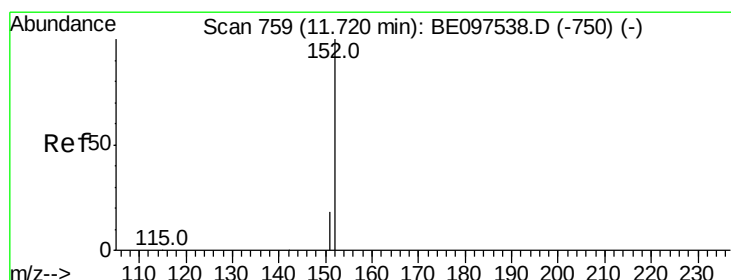
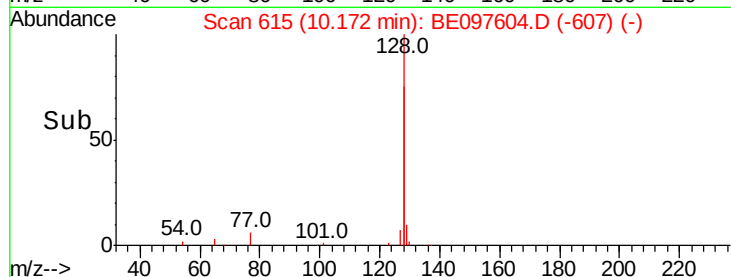
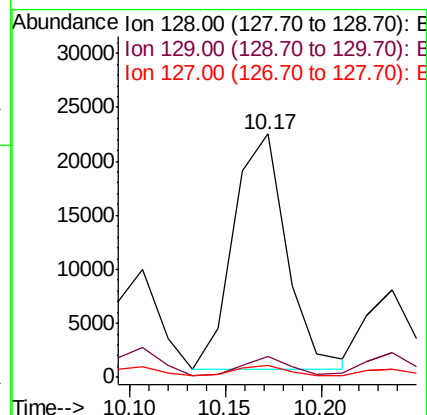
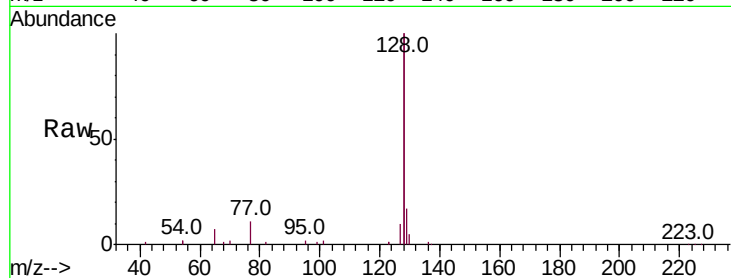
Tot Ion:128 Resp: 42053

Ion Ratio Lower Upper

128 100

129 8.4 2.6 3.8#

127 4.9 2.8 4.2#



#11

2-Methylnaphthalene-d10

Concen: 0.468 ng

RT: 11.70 min Scan# 755

Delta R.T. -0.01 min

Lab File: BE097604.D

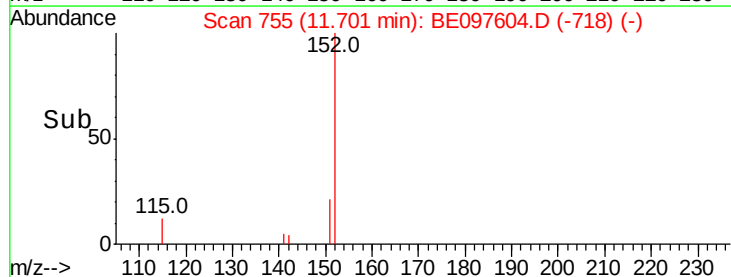
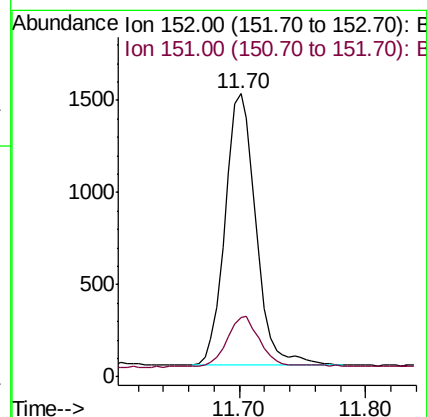
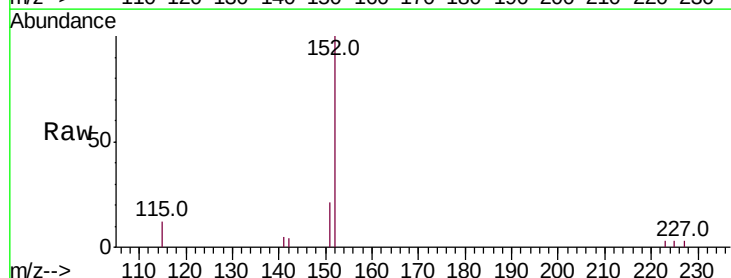
Acq: 21 Sep 2018 10:28

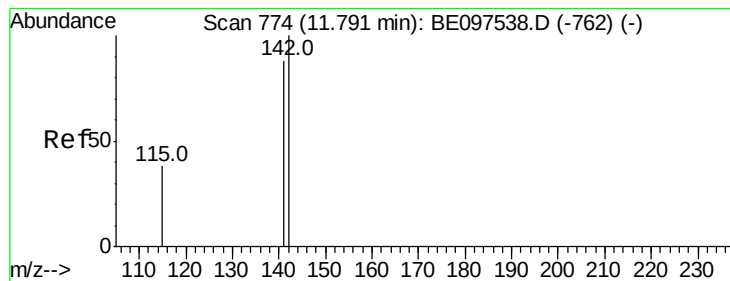
Tgt Ion:152 Resp: 2497

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.0





#12

2-Methylnaphthalene

Concen: 21.323 ng

RT: 11.78 min Scan# 771

Delta R.T. -0.01 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

Instrument :

BNA_E

ClientSampleId :

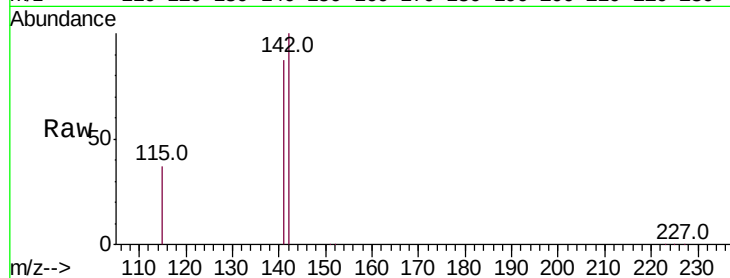
Tot Ion:142 Resp: 115909

Ion Ratio Lower Upper

142 100

141 87.4 70.4 105.6

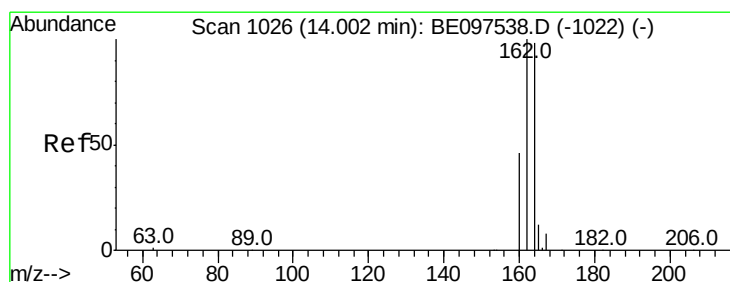
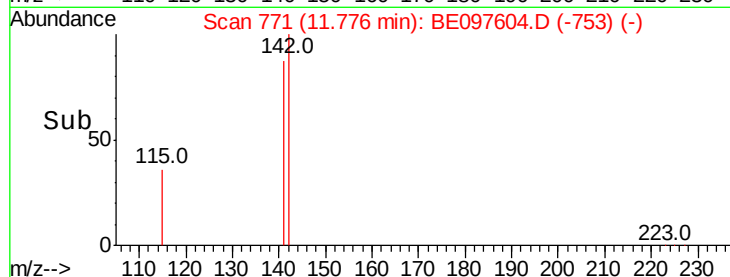
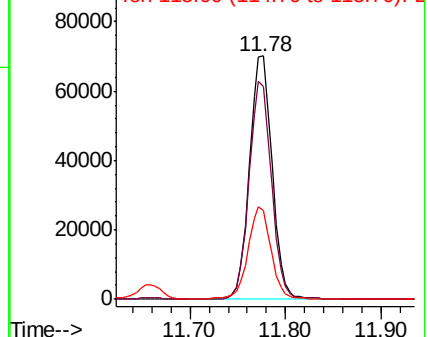
115 36.5 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.99 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

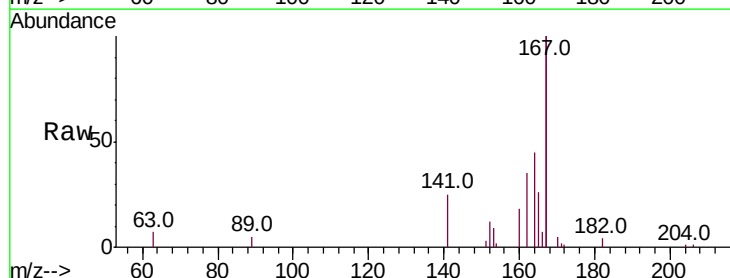
Tgt Ion:164 Resp: 3867

Ion Ratio Lower Upper

164 100

162 76.6 83.1 124.7#

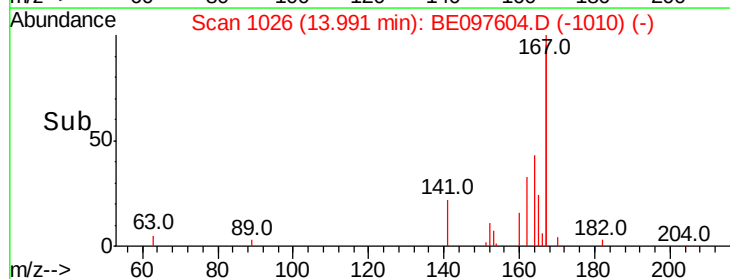
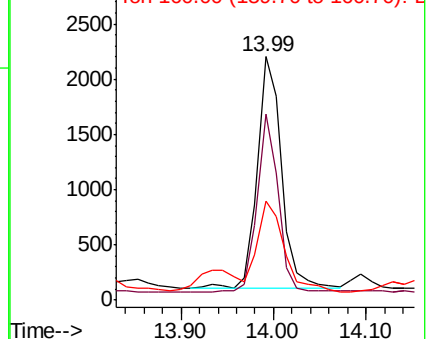
160 40.6 37.1 55.7

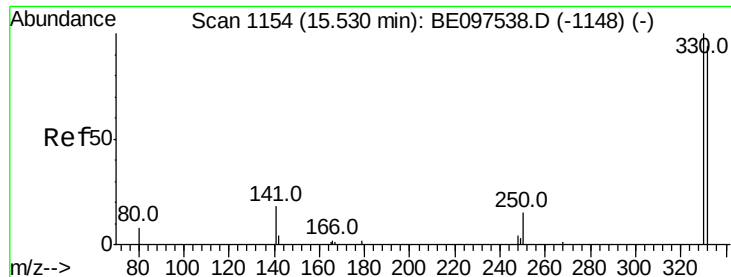


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

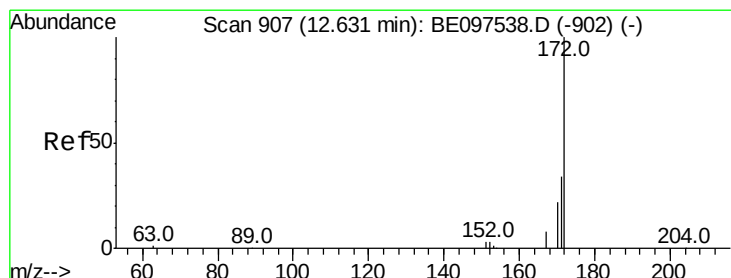
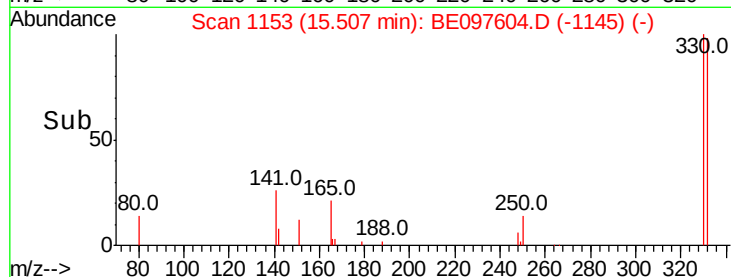
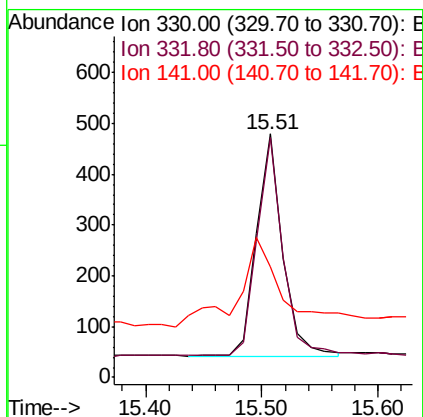
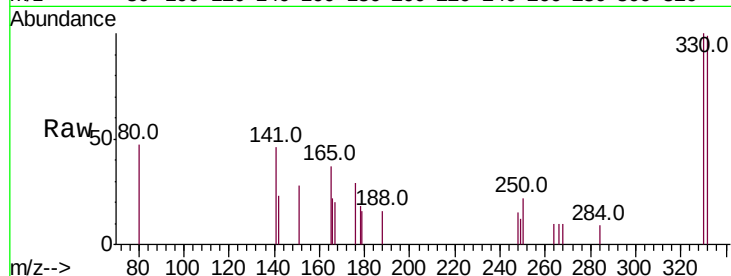




#14
 2,4,6-Tribromophenol
 Concen: 0.458 ng
 RT: 15.51 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BE097604.D
 Acq: 21 Sep 2018 10:28

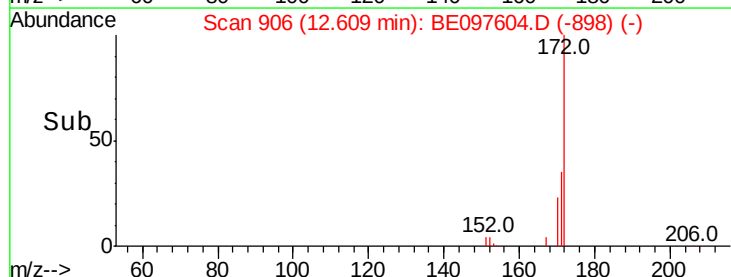
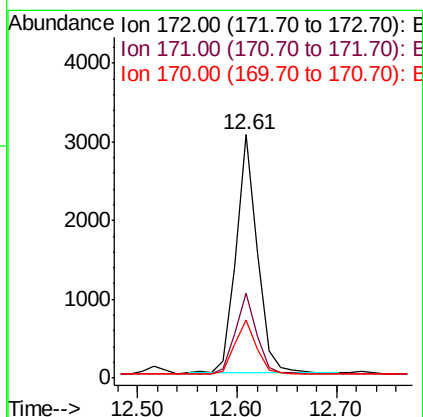
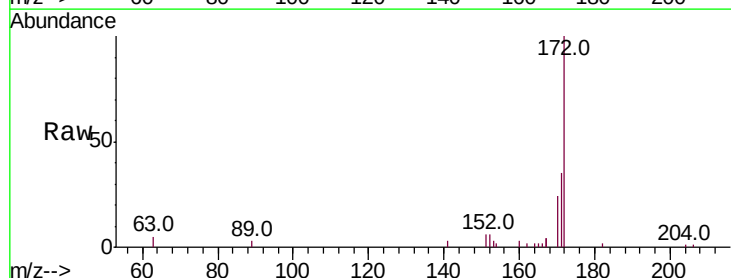
Instrument :
 BNA_E
 ClientSampleId :

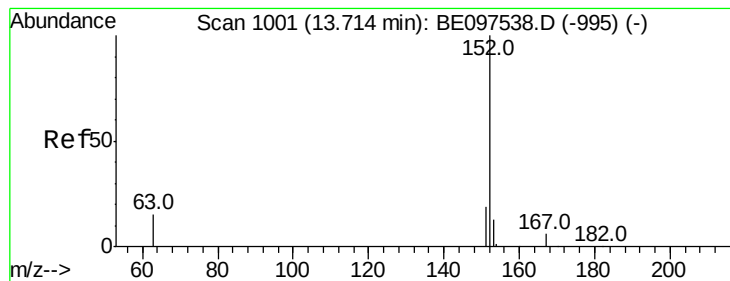
Tot Ion:330 Resp: 691
 Ion Ratio Lower Upper
 330 100
 332 95.4 152.7 229.1#
 141 64.1 33.7 50.5#



#15
 2-Fluorobiphenyl
 Concen: 0.328 ng
 RT: 12.61 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BE097604.D
 Acq: 21 Sep 2018 10:28

Tgt Ion:172 Resp: 4485
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.9 44.9
 170 23.8 21.8 32.8





#16

Acenaphthylene

Concen: 0.088 ng

RT: 13.71 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

Instrument :

BNA_E

ClientSampleId :

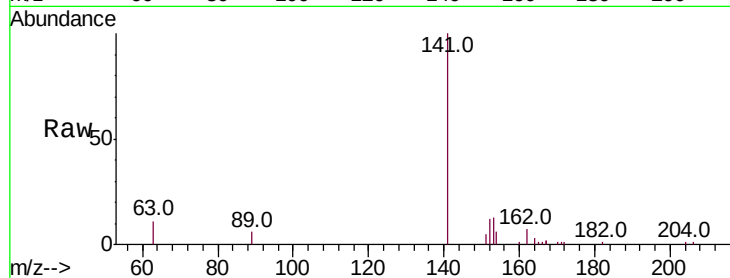
Tot Ion:152 Resp: 1343

Ion Ratio Lower Upper

152 100

151 29.9 15.7 23.5#

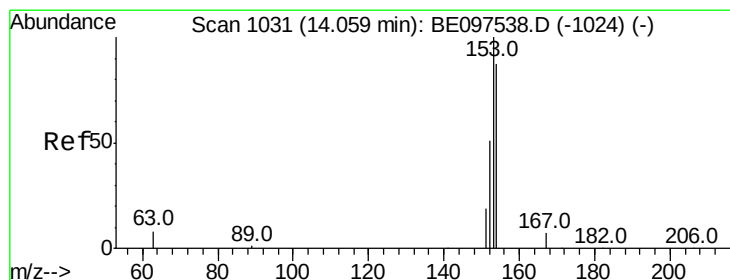
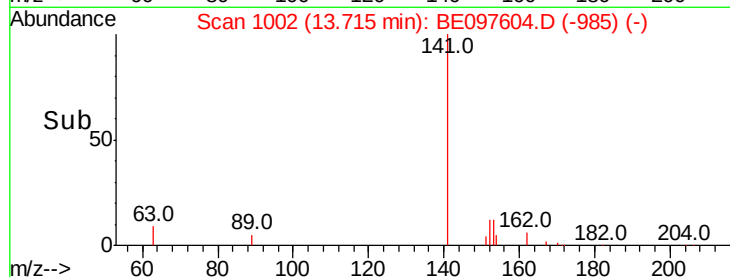
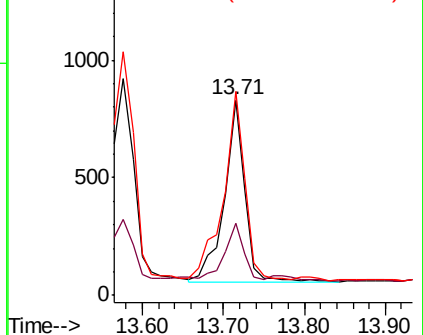
153 108.0 10.5 15.7#



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



#17

Acenaphthene

Concen: 0.137 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

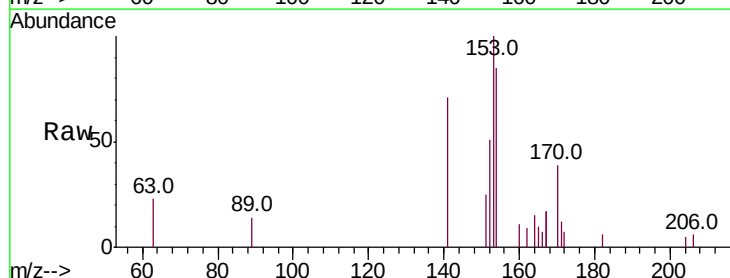
Tgt Ion:154 Resp: 1408

Ion Ratio Lower Upper

154 100

153 157.2 89.2 133.8#

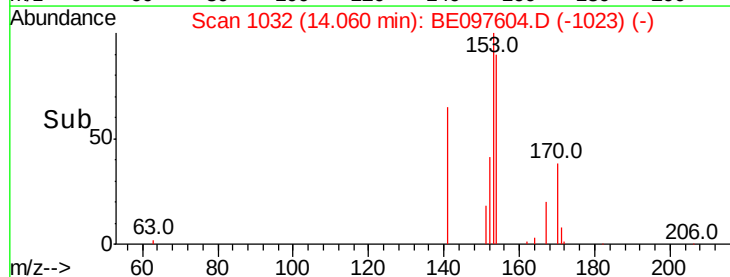
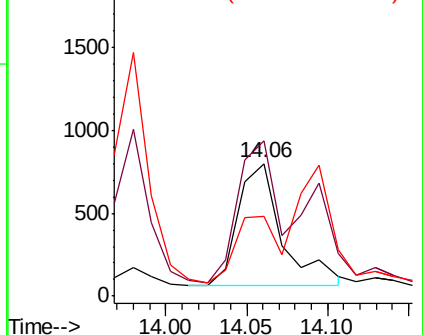
152 0.0 42.0 63.0#

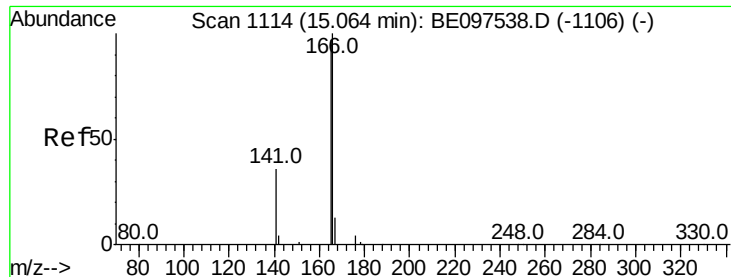


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.401 ng

RT: 15.05 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

Instrument :

BNA_E

ClientSampleId :

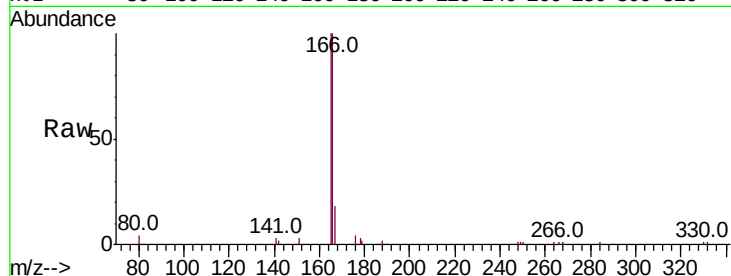
Tot Ion:166 Resp: 5364

Ion Ratio Lower Upper

166 100

165 102.1 77.8 116.6

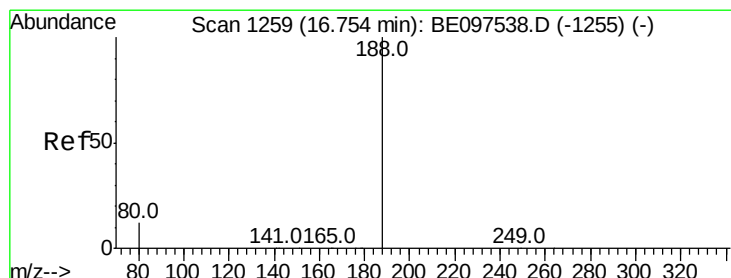
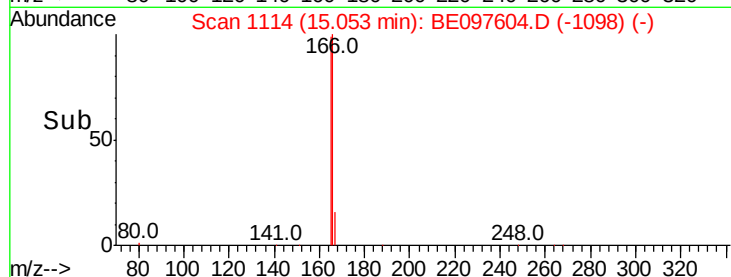
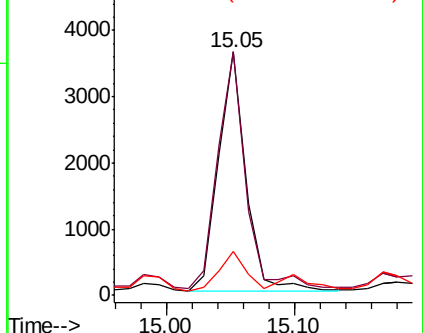
167 16.1 42.4 63.6#



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.75 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

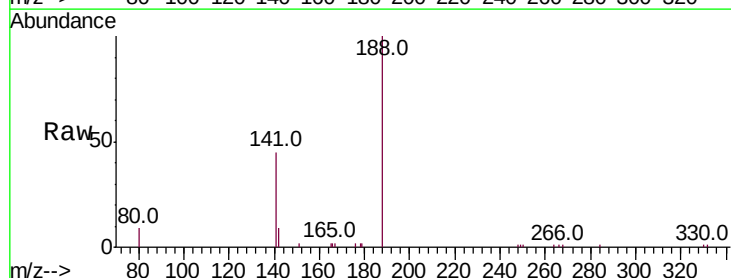
Tgt Ion:188 Resp: 7178

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

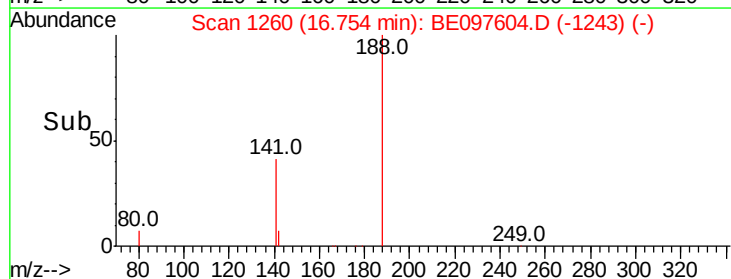
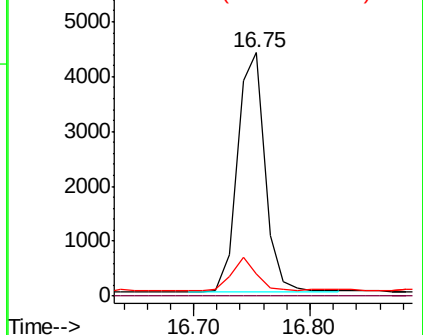
80 9.2 3.6 5.4#

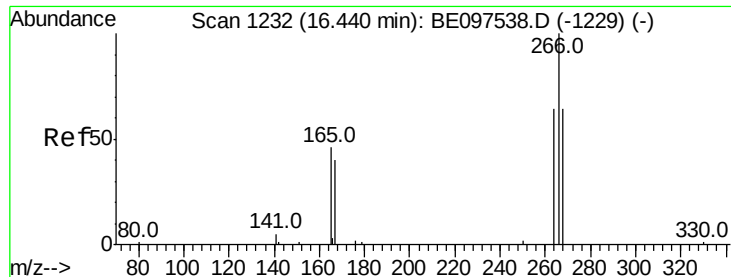


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.177 ng

RT: 16.42 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

Instrument :

BNA_E

ClientSampled :

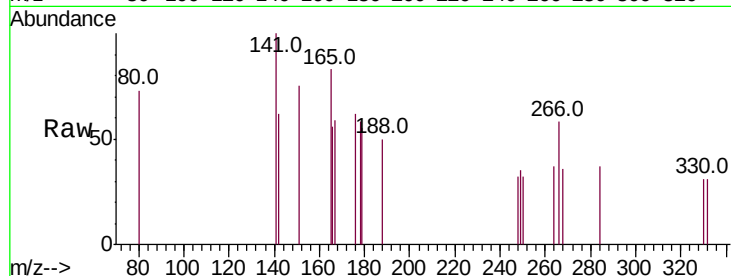
Tot Ion:266 Resp: 76

Ion Ratio Lower Upper

266 100

264 63.9 72.5 108.7#

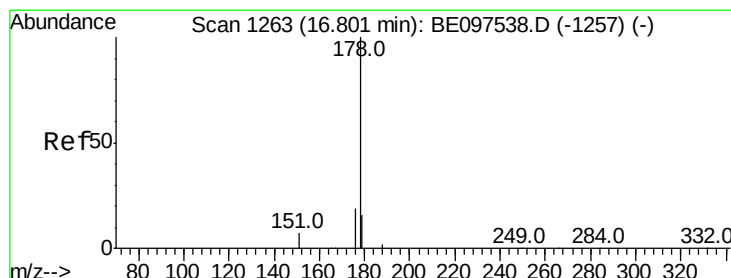
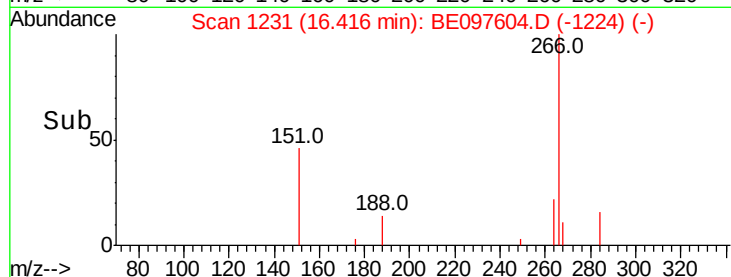
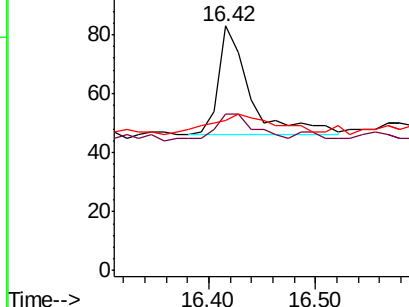
268 61.4 73.8 110.6#



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



#23

Phenanthrene

Concen: 0.128 ng

RT: 16.79 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

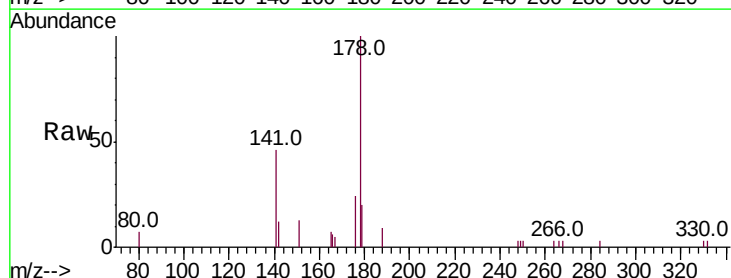
Tgt Ion:178 Resp: 2185

Ion Ratio Lower Upper

178 100

176 21.0 15.1 22.7

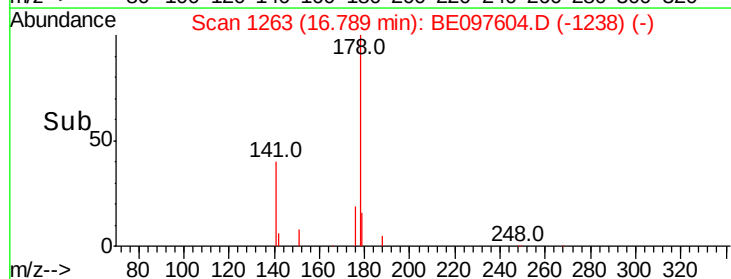
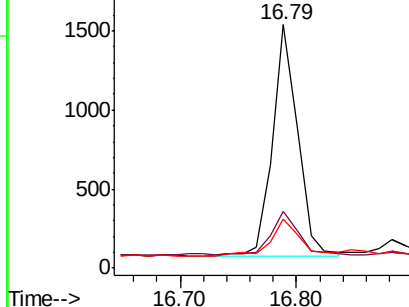
179 19.5 11.8 17.6#

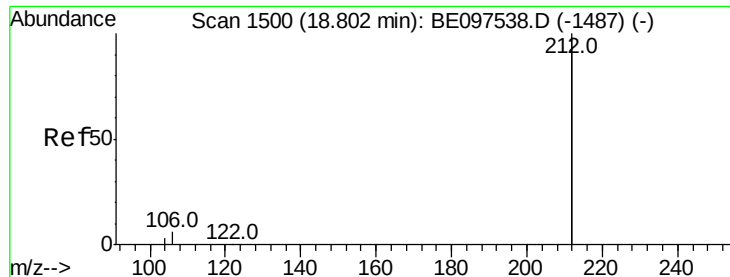


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.488 ng

RT: 18.79 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

Instrument :

BNA_E

ClientSampleId :

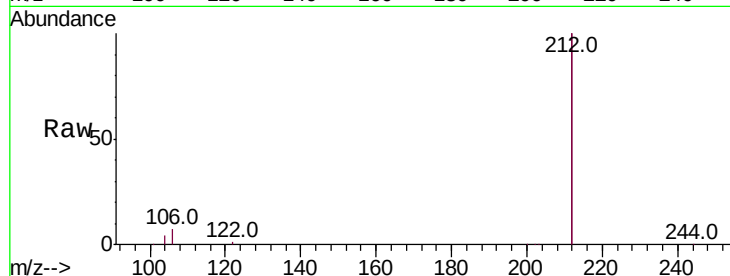
Tot Ion:212 Resp: 44867

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

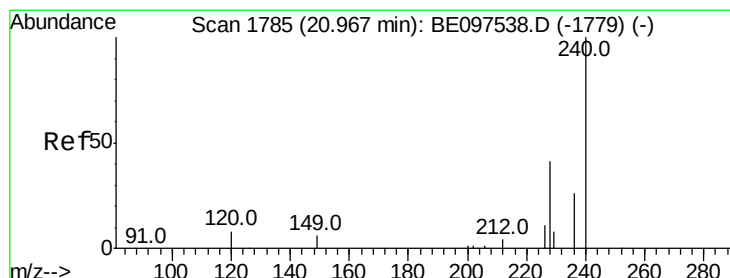
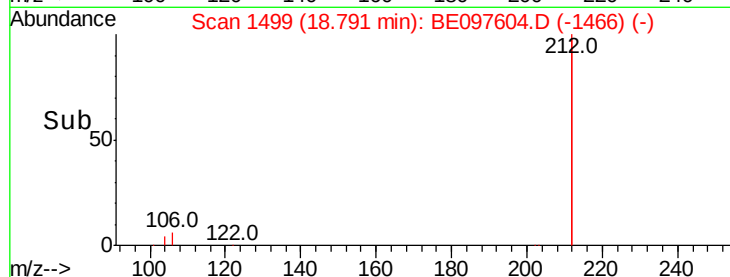
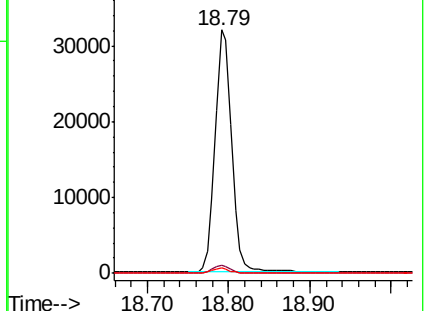
104 1.8 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

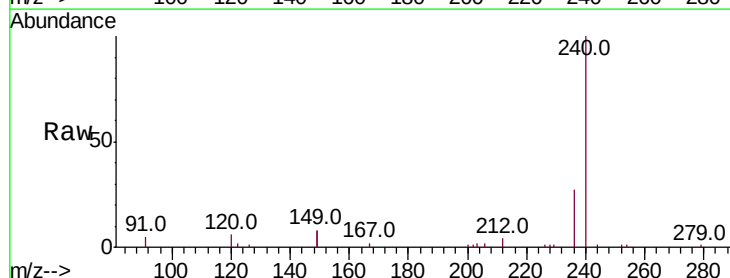
Tgt Ion:240 Resp: 9677

Ion Ratio Lower Upper

240 100

120 6.2 5.5 8.3

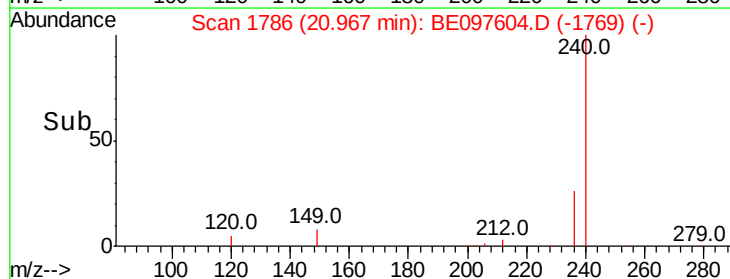
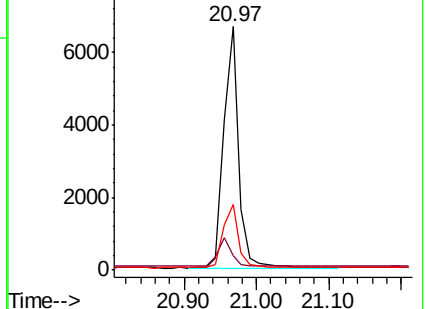
236 27.2 20.7 31.1

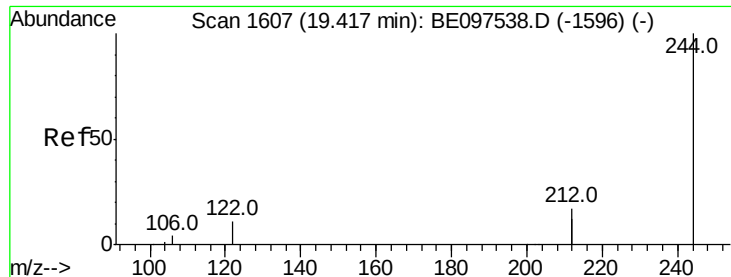


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.620 ng

RT: 19.41 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

Instrument :

BNA_E

ClientSampled :

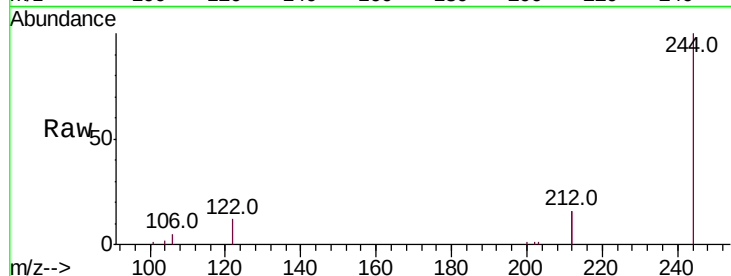
Tot Ion:244 Resp: 10975

Ion Ratio Lower Upper

244 100

212 32.0 25.4 38.0

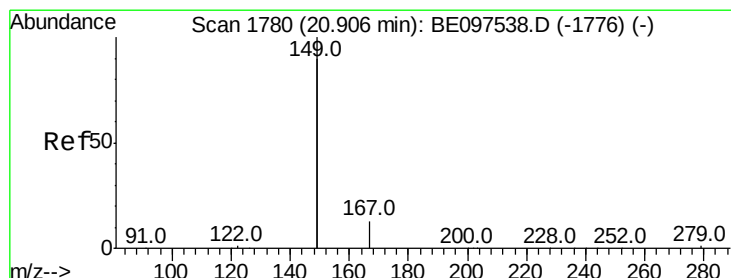
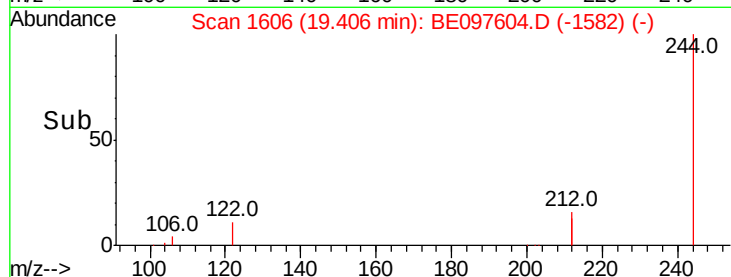
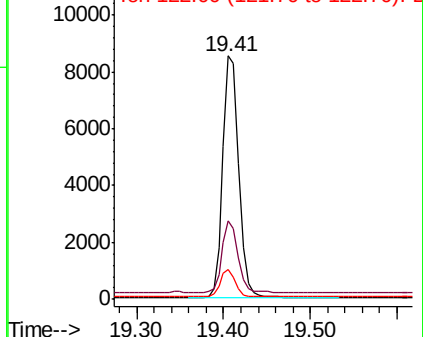
122 12.3 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.160 ng

RT: 20.89 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BE097604.D

Acq: 21 Sep 2018 10:28

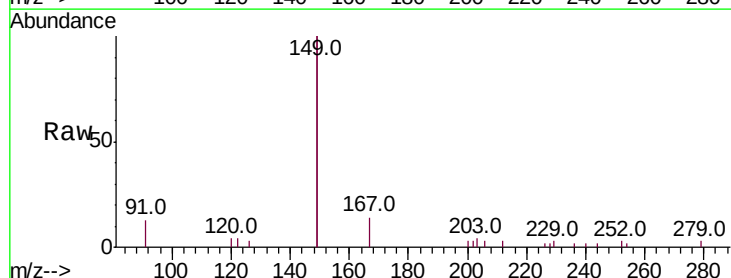
Tgt Ion:149 Resp: 6127

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

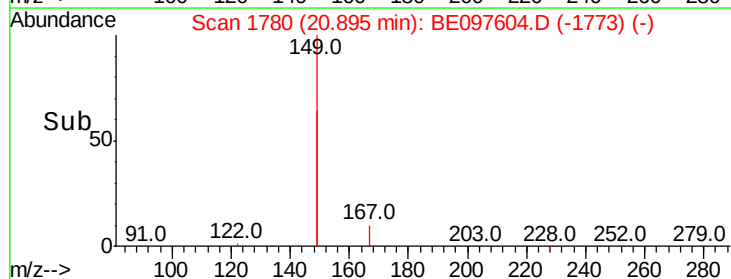
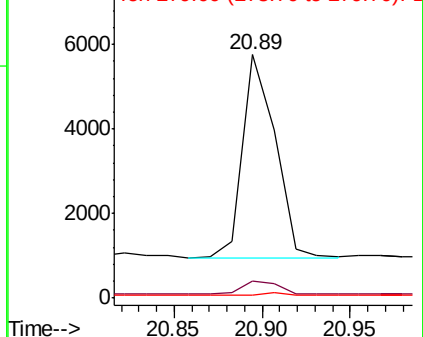
279 1.1 0.7 1.1

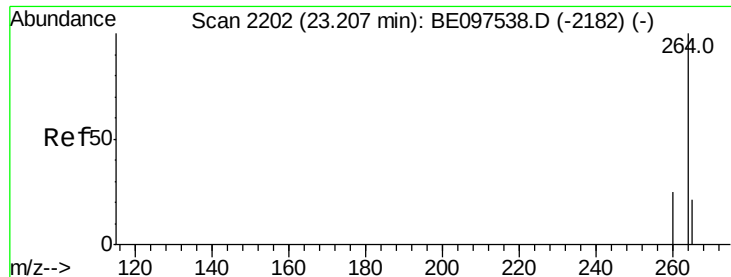


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

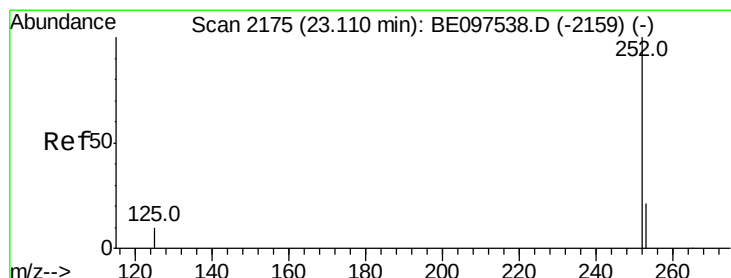
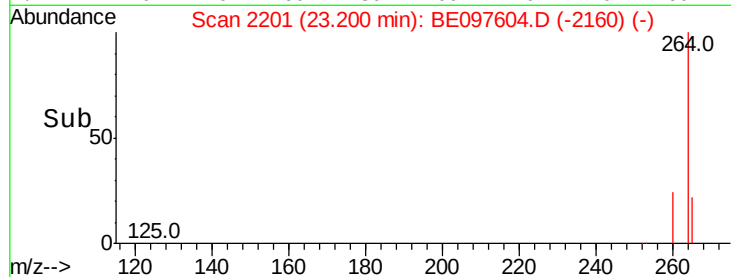
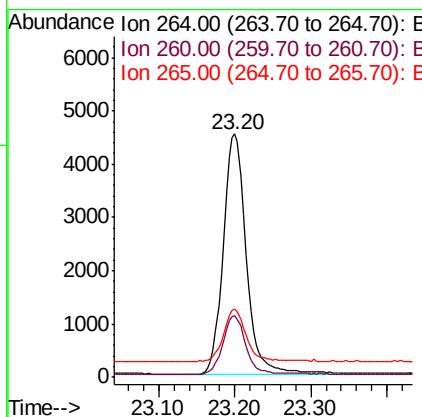
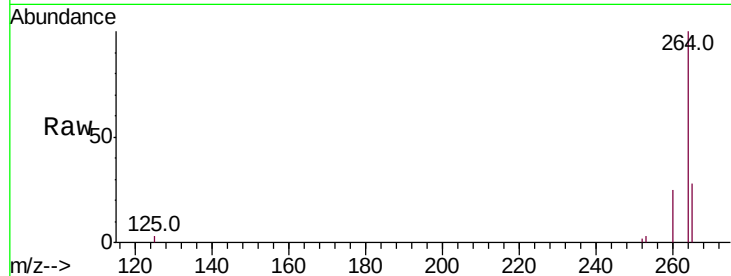




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.20 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BE097604.D
Acq: 21 Sep 2018 10:28

Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 9444
Ion Ratio Lower Upper
264 100
260 25.3 20.5 30.7
265 27.8 22.8 34.2



#37
Benzo(a)pyrene
Concen: 0.021 ng
RT: 23.11 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BE097604.D
Acq: 21 Sep 2018 10:28

Tgt Ion:252 Resp: 12
Ion Ratio Lower Upper
252 100
253 143.7 16.0 24.0#
125 144.7 12.0 18.0#

