

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097052.D
 Acq On : 24 Jul 2018 1:21
 Operator : SJ/JU
 Sample : J4073-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE108D2-071718

Quant Time: Jul 24 05:28:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 11:34:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1278	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5890	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3588	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	10478	0.40	ng	0.00
27) Chrysene-d12	20.98	240	10941	0.40	ng	0.00
34) Perylene-d12	23.21	264	10494	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	849	0.28	ng	0.00
5) Phenol-d6	6.60	99	723	0.15	ng	0.00
8) Nitrobenzene-d5	8.52	82	2659	0.62	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4289	0.50	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	696	0.78	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	7188	0.54	ng	0.00
25) Fluoranthene-d10	18.81	212	64749	0.71	ng	0.00
29) Terphenyl-d14	19.43	244	17202	0.81	ng	0.00

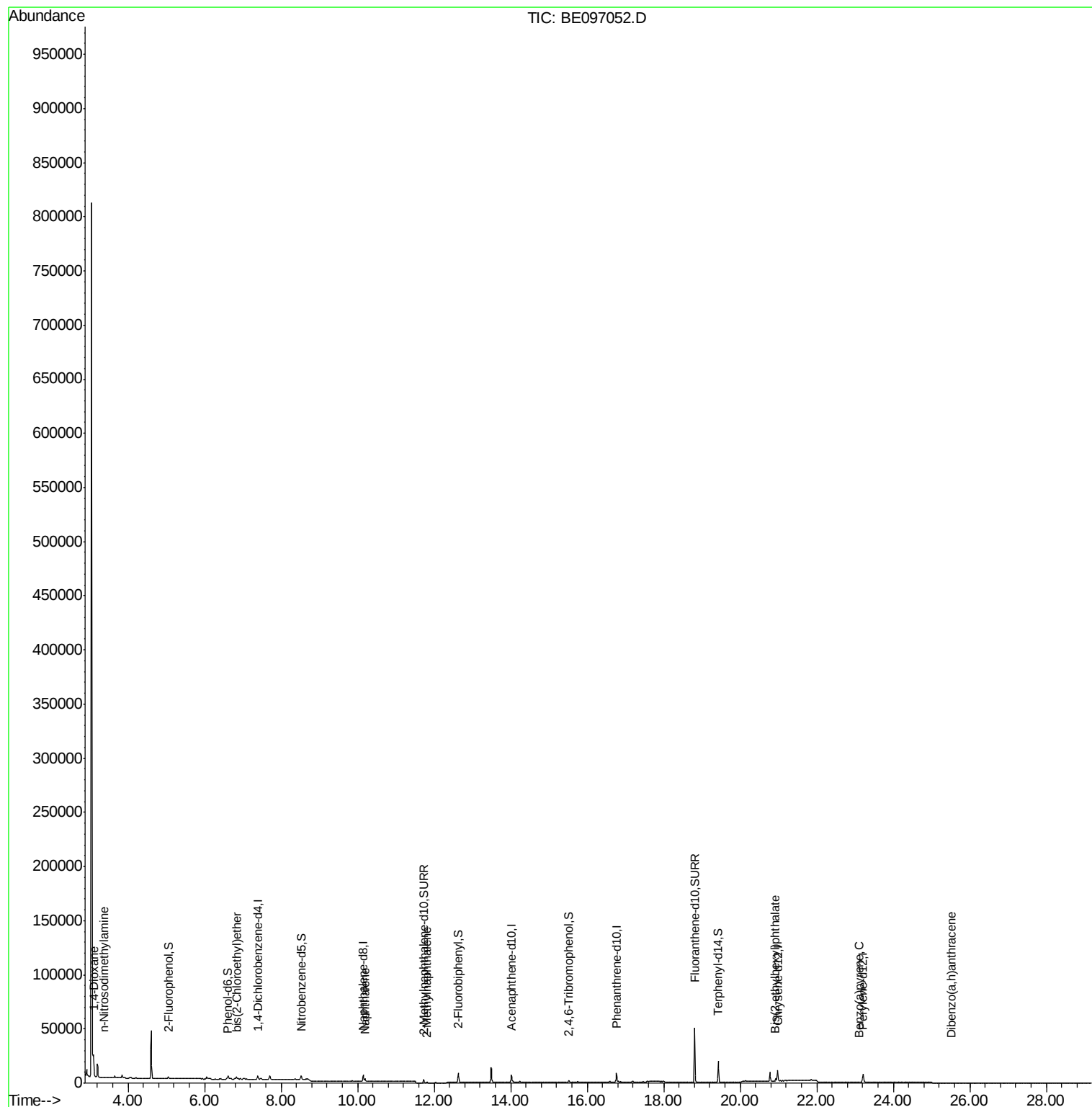
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	9163	5.009	ng	94
3) n-Nitrosodimethylamine	3.37	42	97	0.047	ng	# 1
6) bis(2-Chloroethyl)ether	6.84	93	613	0.134	ng	96
9) Naphthalene	10.20	128	3655	0.069	ng	# 95
12) 2-Methylnaphthalene	11.81	142	327	0.037	ng	# 87
22) Pentachlorophenol	16.45	266	13	Below Cal		100
32) Bis(2-ethylhexyl)phthalate	20.92	149	3591	0.138	ng	100
37) Benzo(a)pyrene	23.11	252	26	0.102	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	3	0.118	ng	# 1

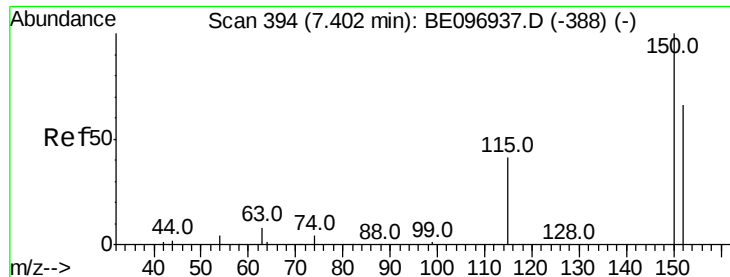
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. 0.00 min

Lab File: BE097052.D

Acq: 24 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718

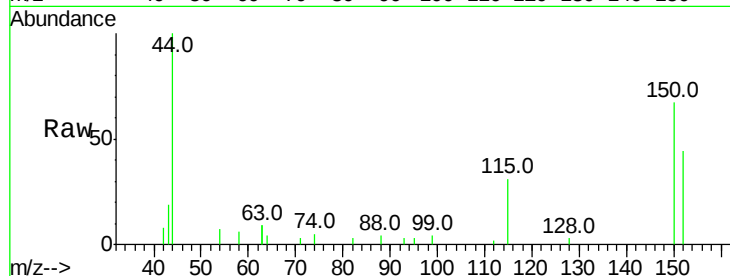
Tot Ion:152 Resp: 1278

Ion Ratio Lower Upper

152 100

150 154.9 117.2 175.8

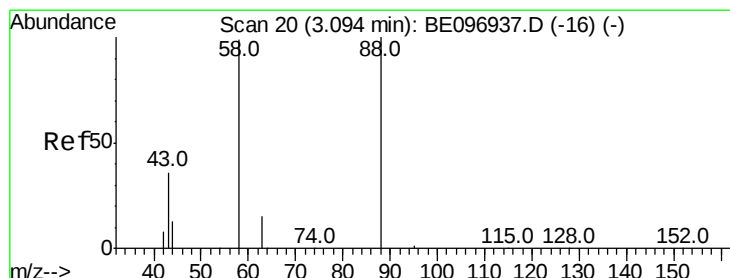
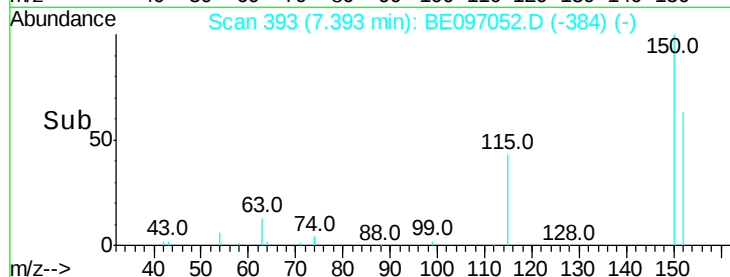
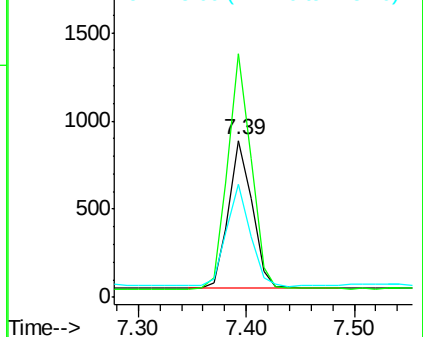
115 72.3 57.0 85.6



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



#2

1,4-Dioxane

Concen: 5.009 ng

RT: 3.10 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE097052.D

Acq: 24 Jul 2018 1:21

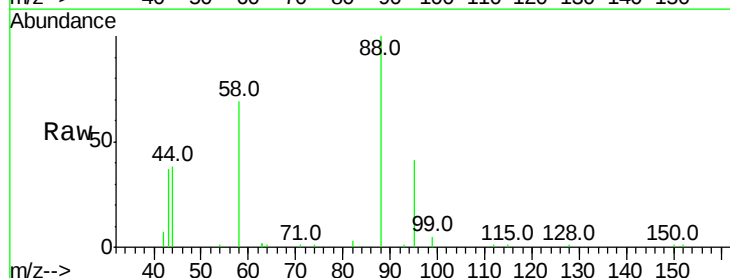
Tgt Ion: 88 Resp: 9163

Ion Ratio Lower Upper

88 100

58 83.2 63.2 94.8

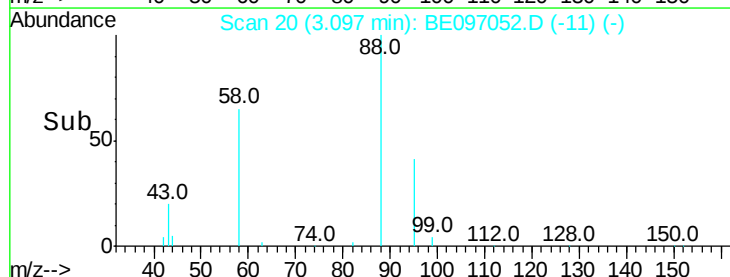
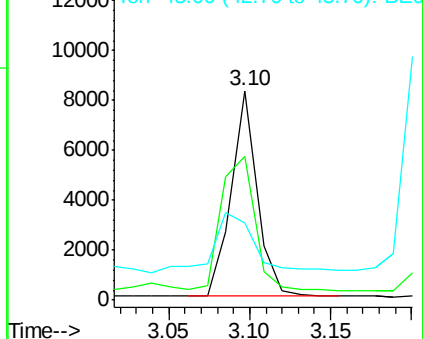
43 46.4 41.2 61.8

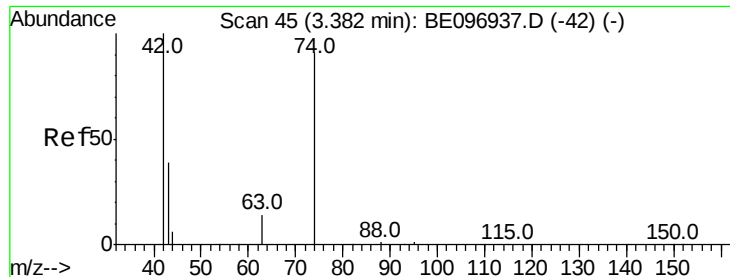


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

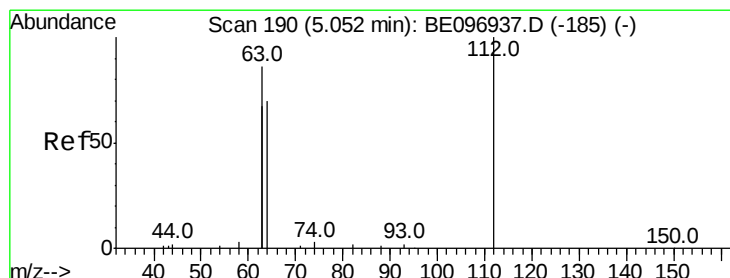
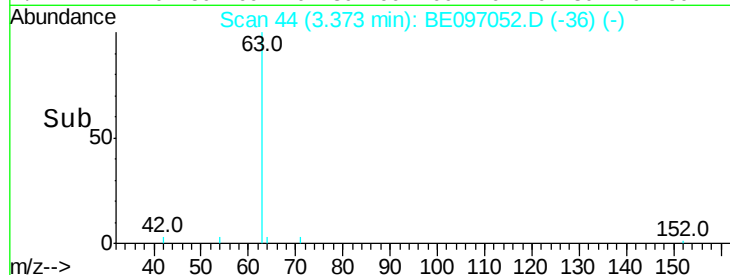
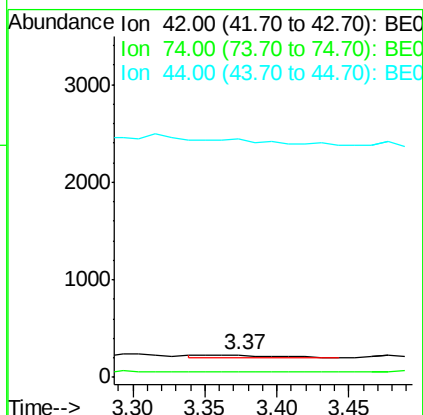
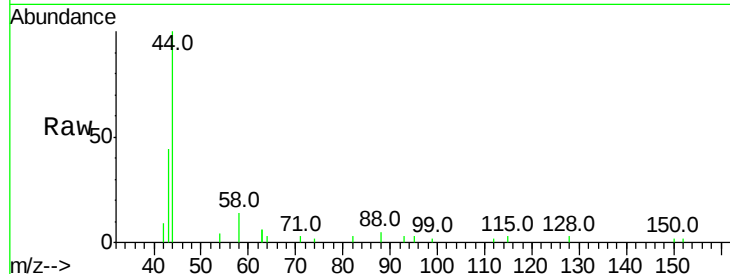




#3
n-Nitrosodimethylamine
Concen: 0.047 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE097052.D
Acq: 24 Jul 2018 1:21

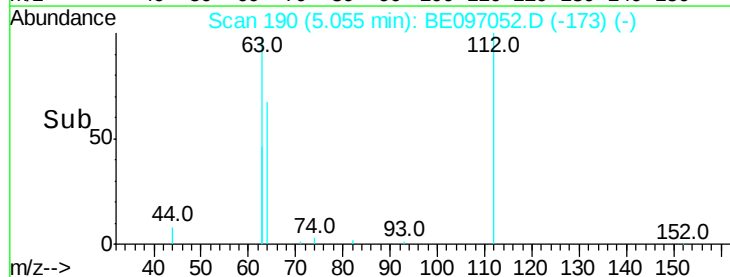
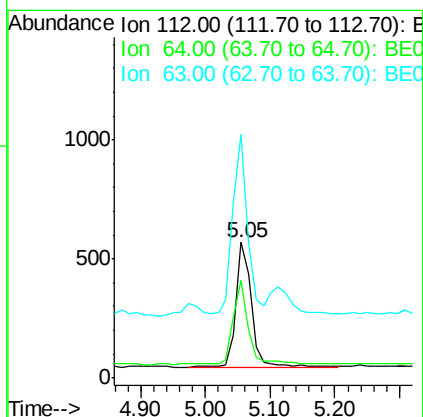
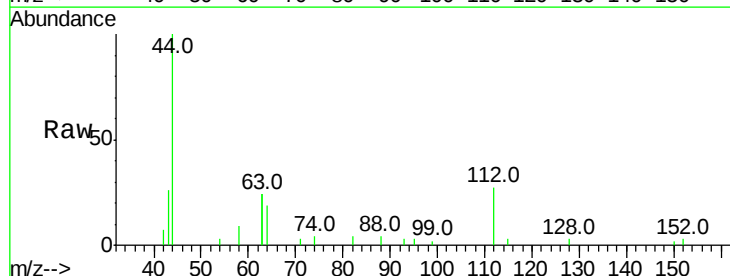
Instrument :
BNA_E
ClientSampleId :
RE108D2-071718

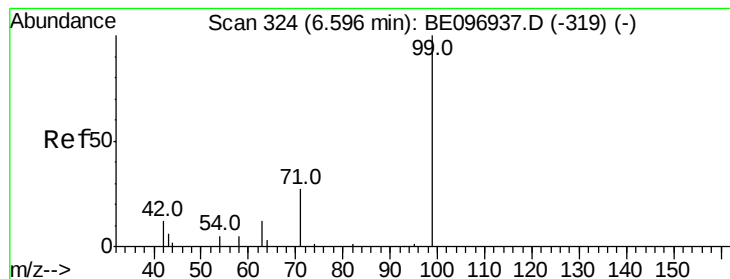
Tot Ion: 42 Resp: 97
Ion Ratio Lower Upper
42 100
74 0.0 96.0 144.0#
44 0.0 12.0 18.0#



#4
2-Fluorophenol
Concen: 0.278 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097052.D
Acq: 24 Jul 2018 1:21

Tgt Ion: 112 Resp: 849
Ion Ratio Lower Upper
112 100
64 64.9 60.1 90.1
63 138.3 116.8 175.2





#5

Phenol-d6

Concen: 0.155 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097052.D

Acq: 24 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718

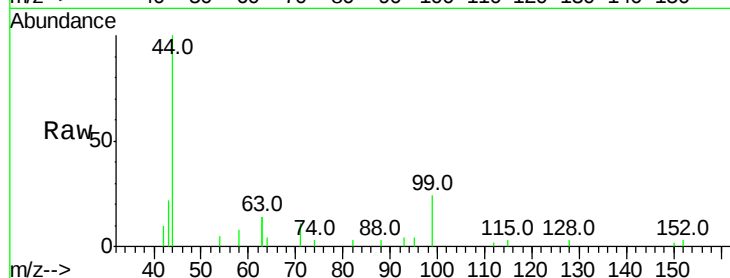
Tot Ion: 99 Resp: 723

Ion Ratio Lower Upper

99 100

42 43.2 20.2 30.2#

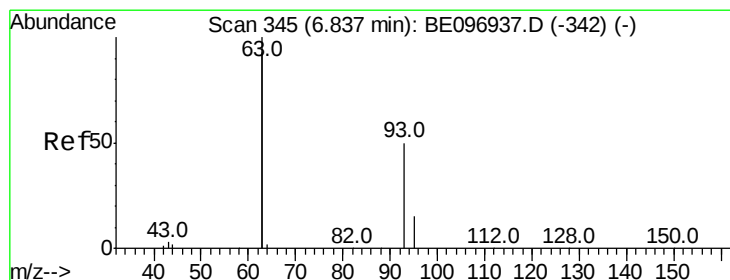
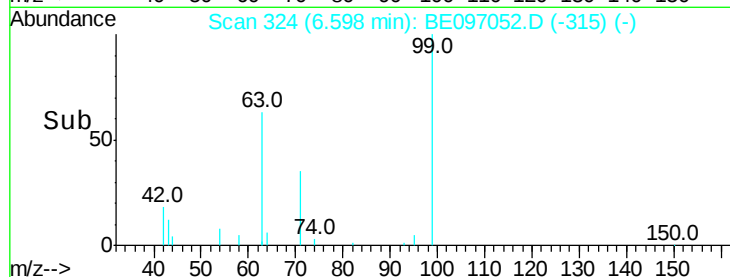
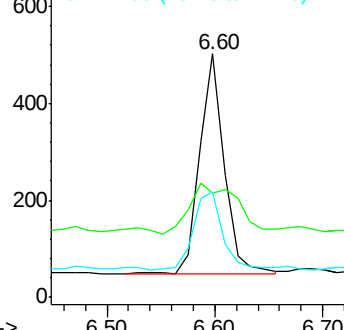
71 41.8 28.4 42.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.134 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097052.D

Acq: 24 Jul 2018 1:21

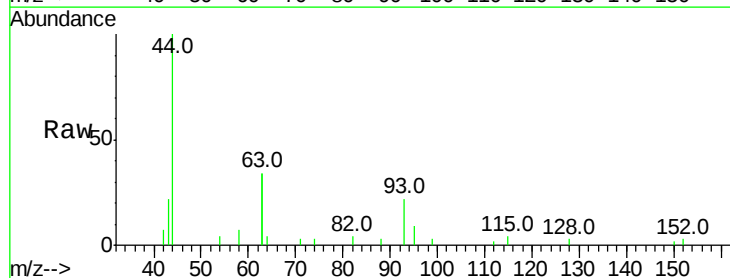
Tgt Ion: 93 Resp: 613

Ion Ratio Lower Upper

93 100

63 335.1 275.3 412.9

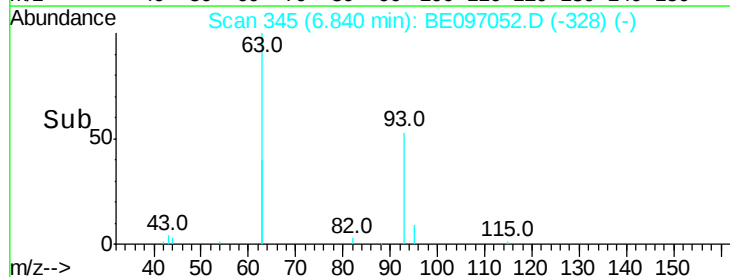
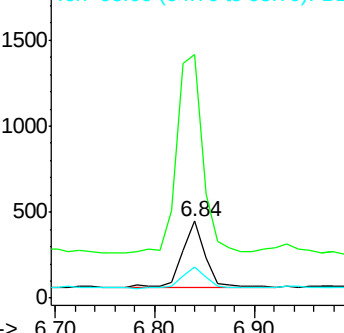
95 35.7 25.2 37.8

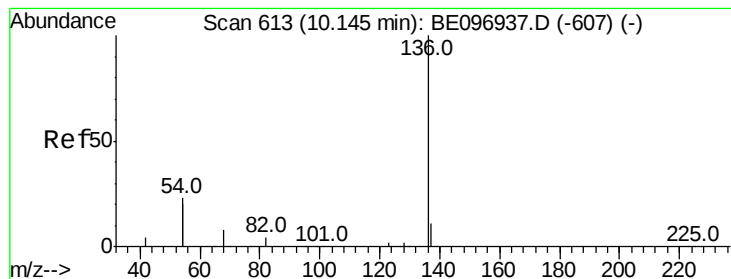


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097052.D

Acq: 24 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718

Tot Ion:136 Resp: 5890

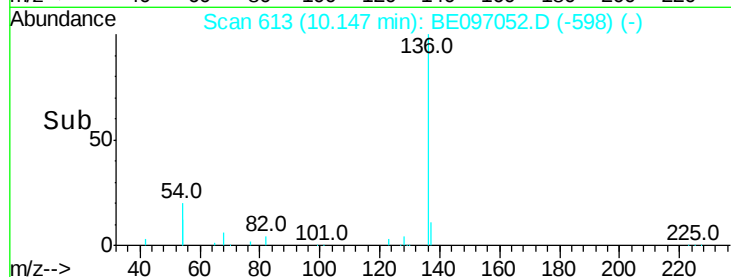
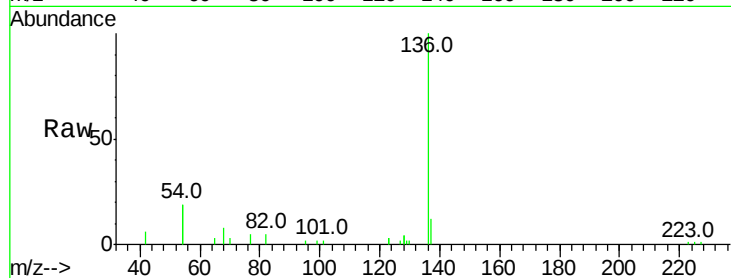
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 38.7 29.1 43.7

68 7.6 6.2 9.2

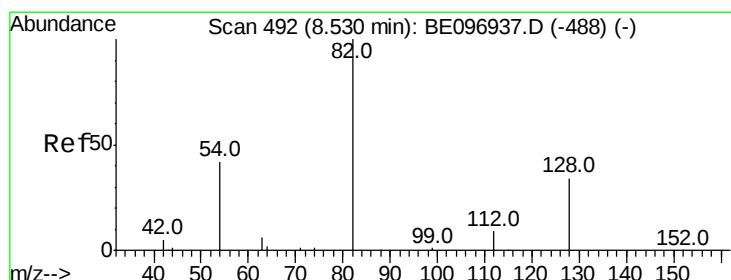
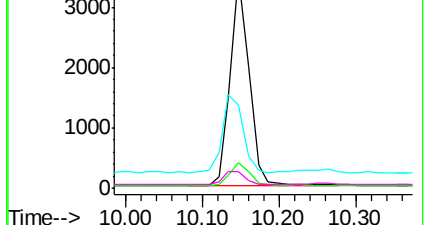


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.619 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097052.D

Acq: 24 Jul 2018 1:21

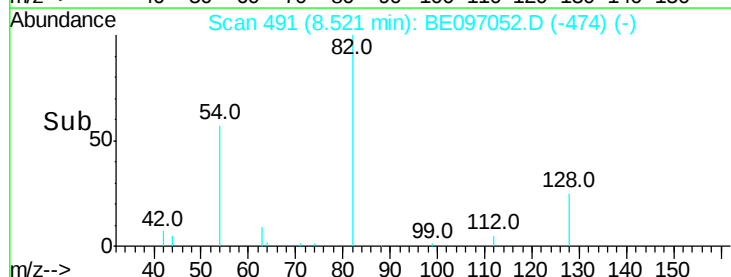
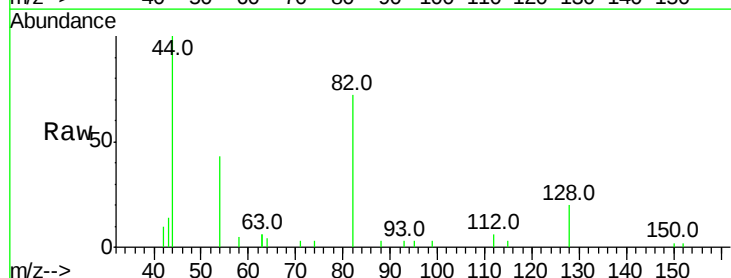
Tgt Ion: 82 Resp: 2659

Ion Ratio Lower Upper

82 100

128 27.8 24.0 36.0

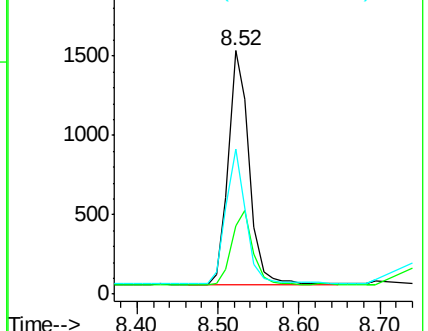
54 59.5 40.0 60.0

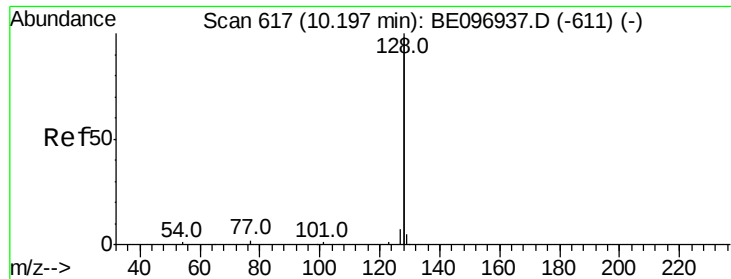


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.069 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097052.D

Acq: 24 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718

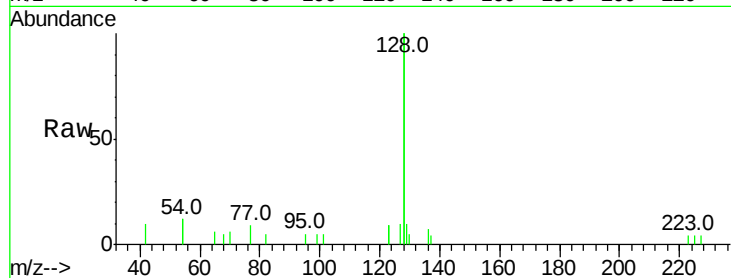
Tot Ion:128 Resp: 3655

Ion Ratio Lower Upper

128 100

129 5.2 2.6 3.8#

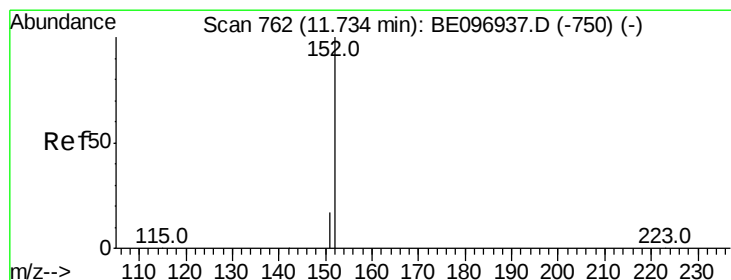
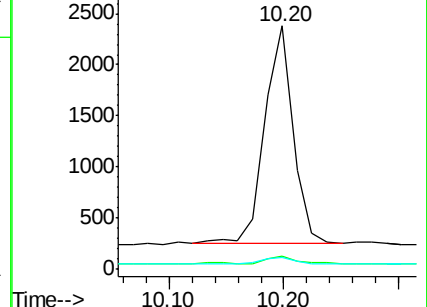
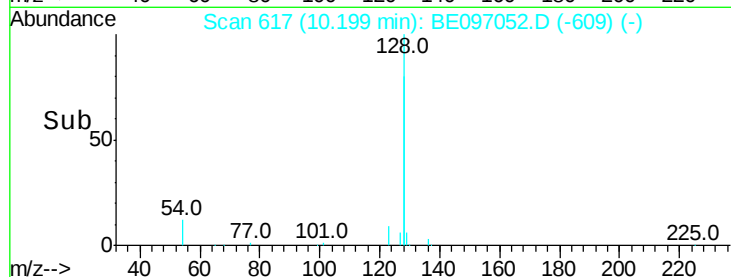
127 5.1 2.8 4.2#



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



#11

2-Methylnaphthalene-d10

Concen: 0.500 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097052.D

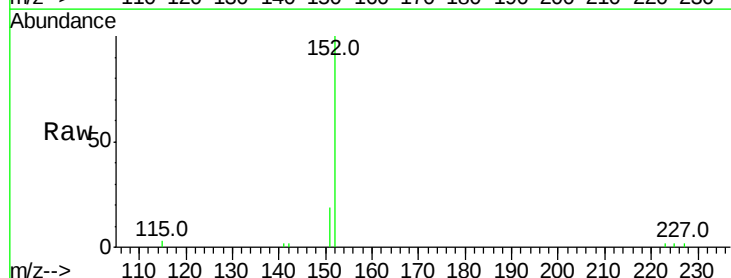
Acq: 24 Jul 2018 1:21

Tgt Ion:152 Resp: 4289

Ion Ratio Lower Upper

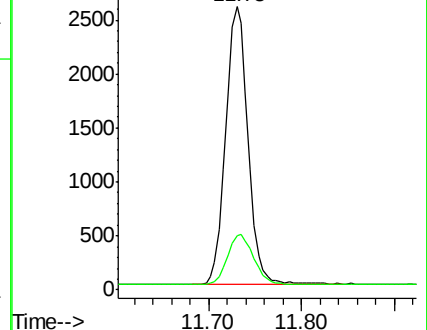
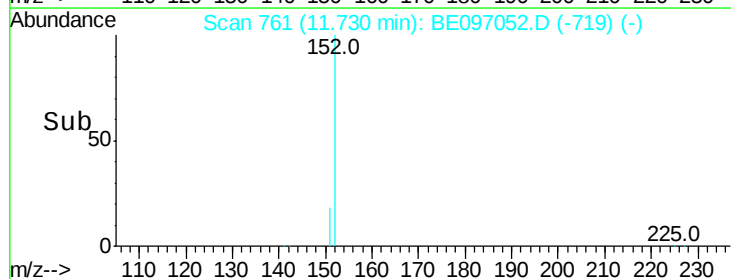
152 100

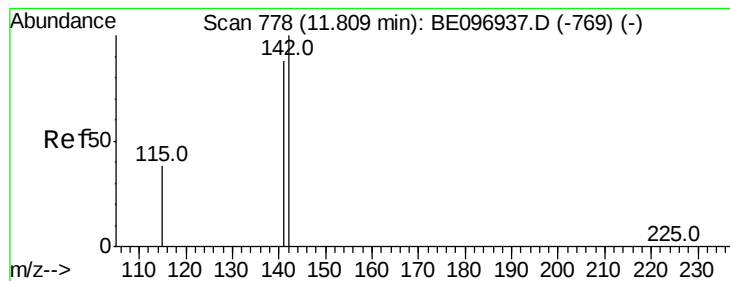
151 21.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.037 ng

RT: 11.81 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097052.D

Acq: 24 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718

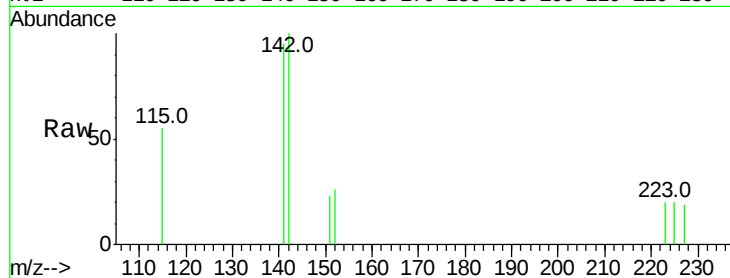
Tot Ion:142 Resp: 327

Ion Ratio Lower Upper

142 100

141 95.4 70.4 105.6

115 55.5 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

11.81

250

200

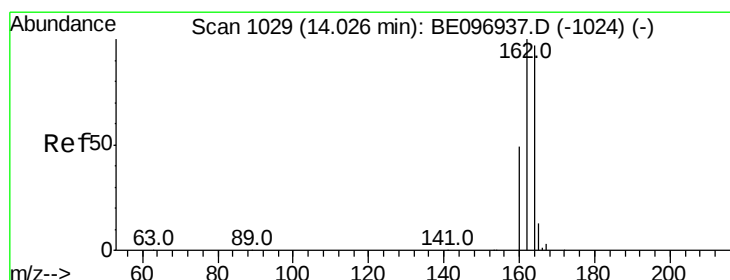
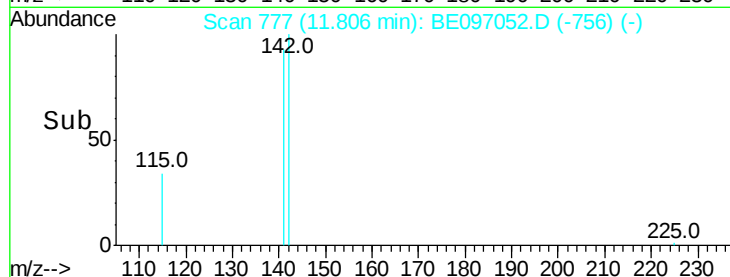
150

100

50

0

Time--> 11.70 11.80 11.90



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE097052.D

Acq: 24 Jul 2018 1:21

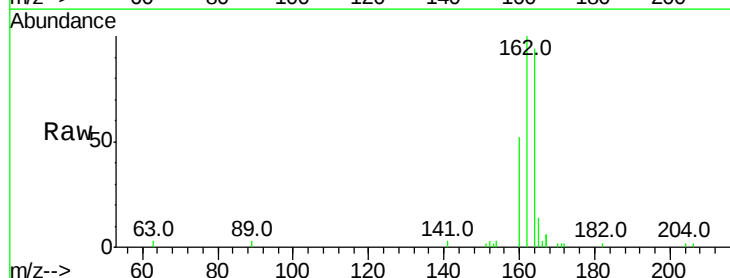
Tgt Ion:164 Resp: 3588

Ion Ratio Lower Upper

164 100

162 106.6 83.1 124.7

160 55.8 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

14.01

3000

2500

2000

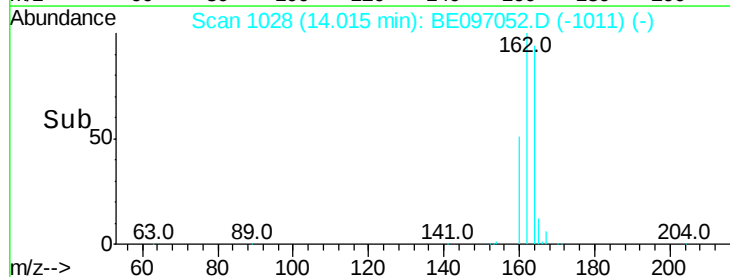
1500

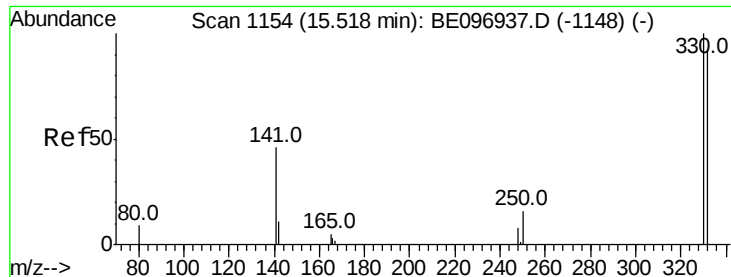
1000

500

0

Time--> 13.90 14.00 14.10 14.20

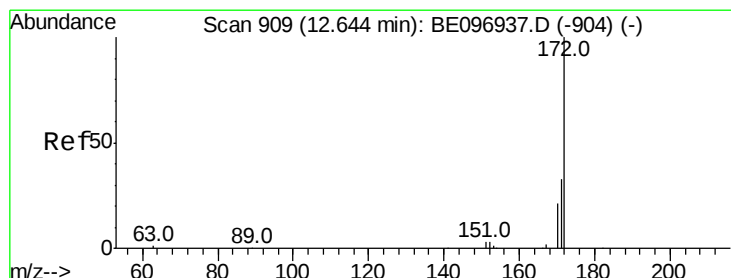
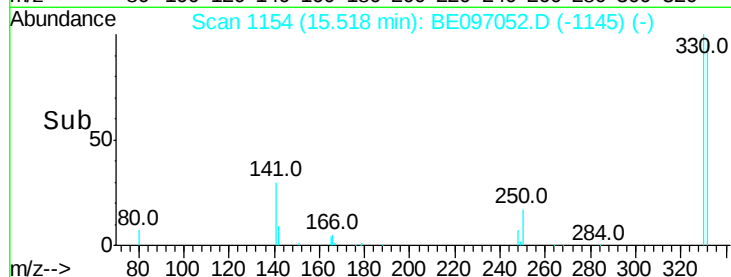
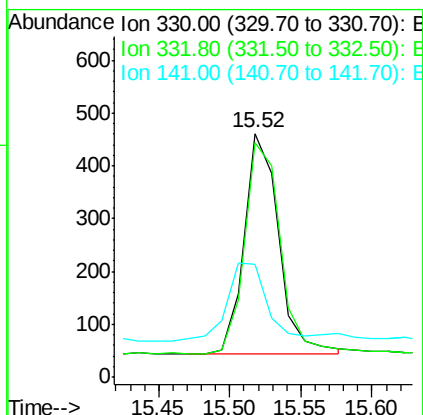
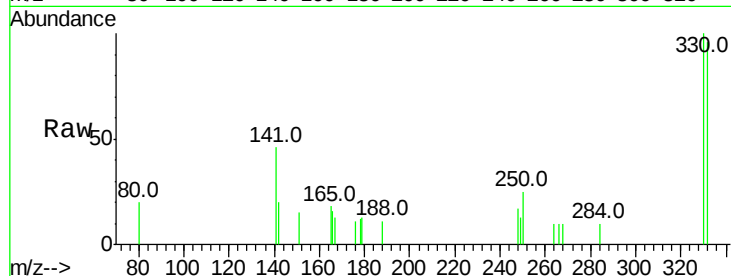




#14
 2,4,6-Tribromophenol
 Concen: 0.778 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097052.D
 Acq: 24 Jul 2018 1:21

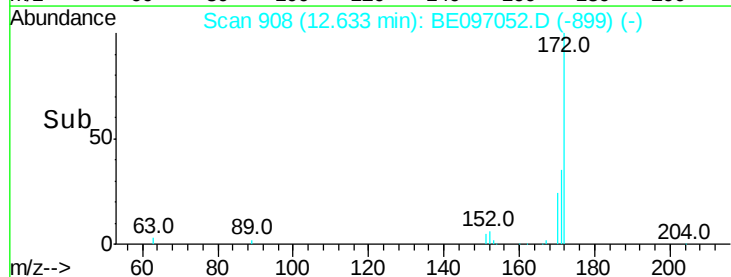
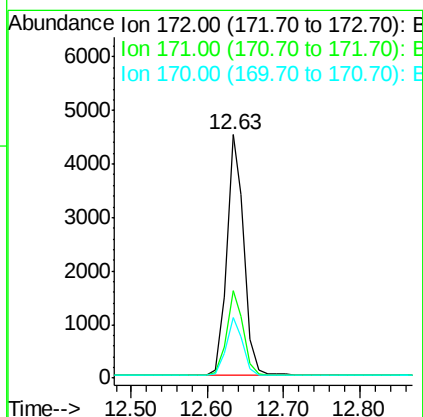
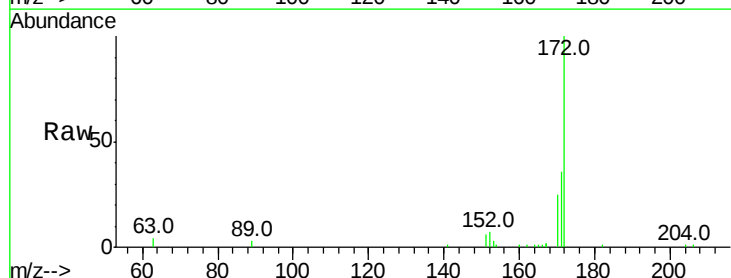
Instrument :
 BNA_E
 ClientSampleId :
 RE108D2-071718

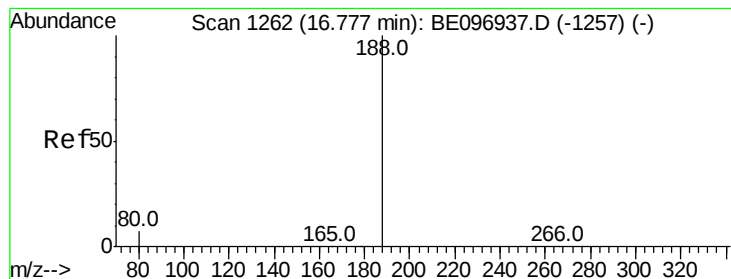
Tot Ion:330 Resp: 696
 Ion Ratio Lower Upper
 330 100
 332 100.4 152.7 229.1#
 141 43.4 33.7 50.5



#15
 2-Fluorobiphenyl
 Concen: 0.539 ng
 RT: 12.63 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: BE097052.D
 Acq: 24 Jul 2018 1:21

Tgt Ion:172 Resp: 7188
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.9 44.9
 170 24.8 21.8 32.8

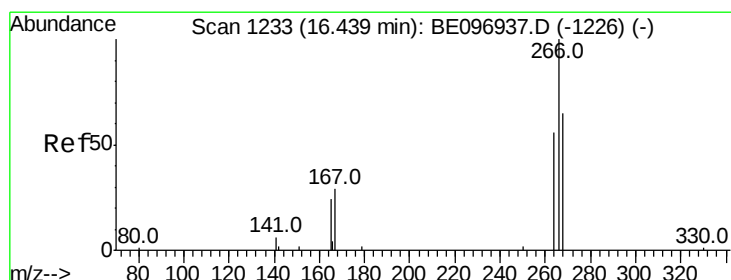
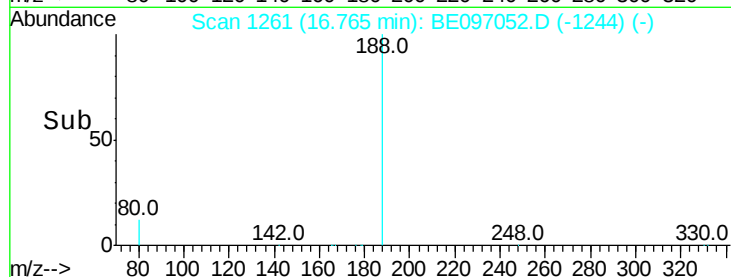
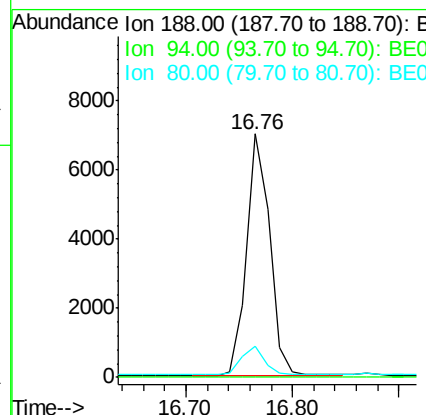
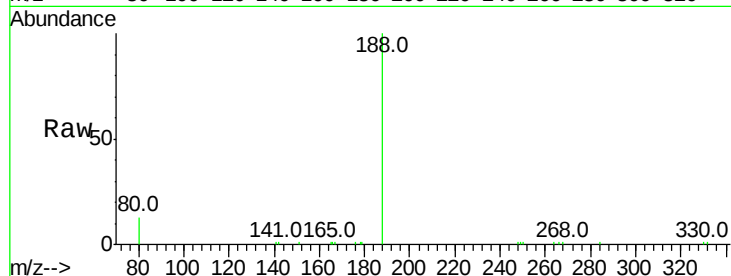




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097052.D
Acq: 24 Jul 2018 1:21

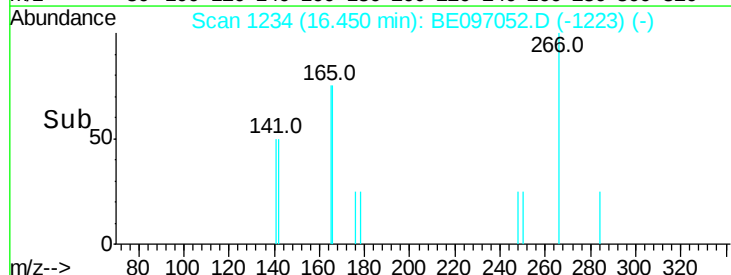
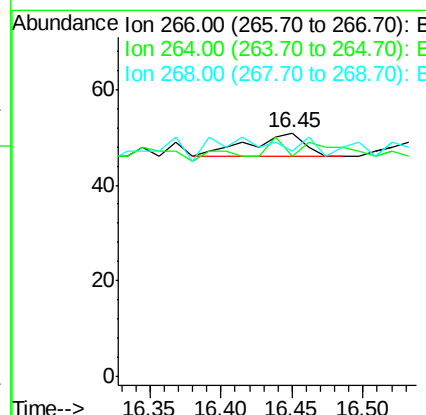
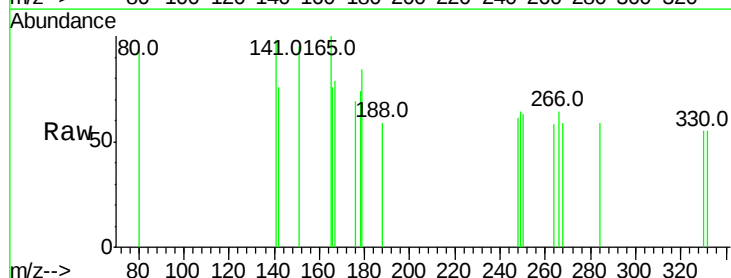
Instrument :
BNA_E
ClientSampleId :
RE108D2-071718

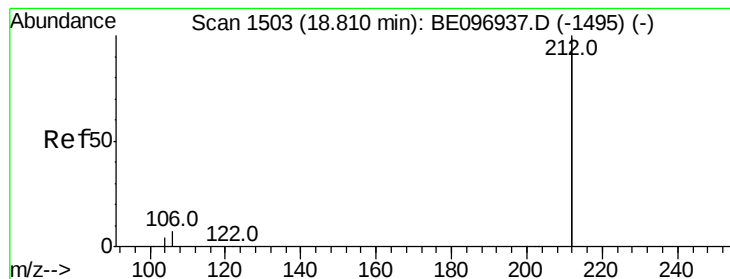
Tot Ion:188 Resp: 10478
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 13.0 3.6 5.4#



#22
Pentachlorophenol
Concen: Below Cal
RT: 16.45 min Scan# 1234
Delta R.T. 0.02 min
Lab File: BE097052.D
Acq: 24 Jul 2018 1:21

Tgt Ion:266 Resp: 13
Ion Ratio Lower Upper
266 100
264 90.2 72.5 108.7
268 92.2 73.8 110.6





#25

Fluoranthene-d10

Concen: 0.710 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097052.D

Acq: 24 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718

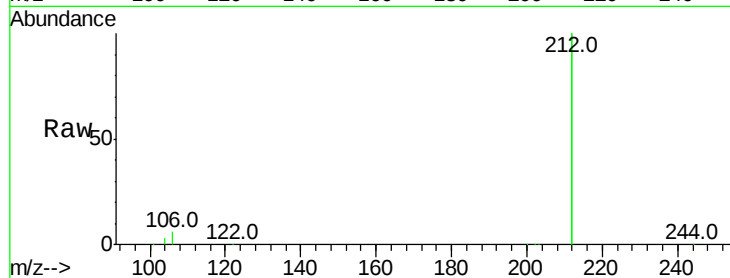
Tot Ion:212 Resp: 64749

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

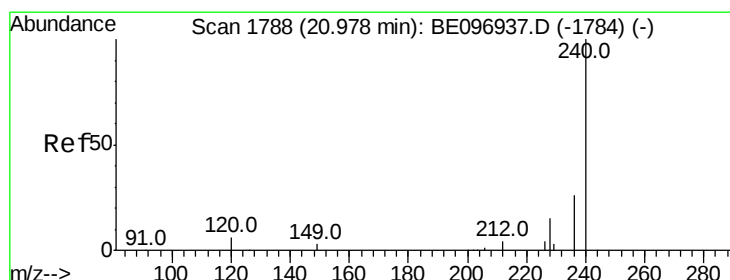
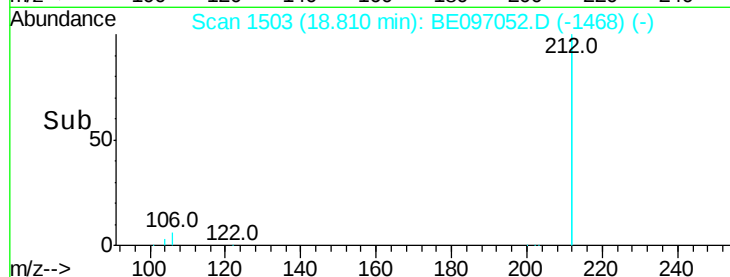
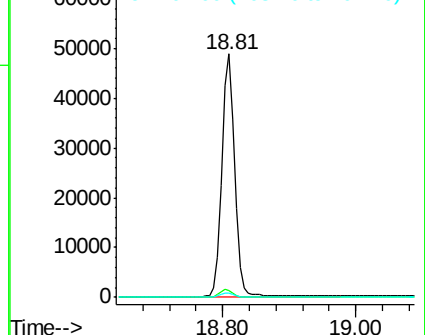
104 1.7 1.6 2.4



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: 20.98 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BE097052.D

Acq: 24 Jul 2018 1:21

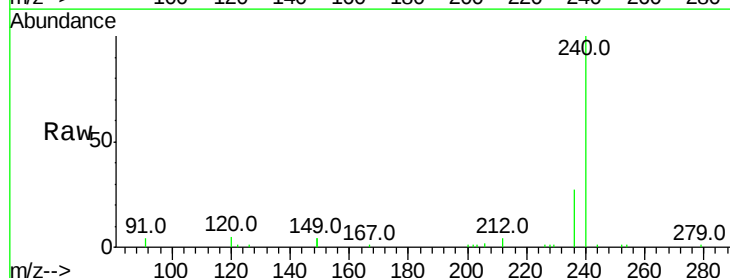
Tgt Ion:240 Resp: 10941

Ion Ratio Lower Upper

240 100

120 4.5 5.5 8.3#

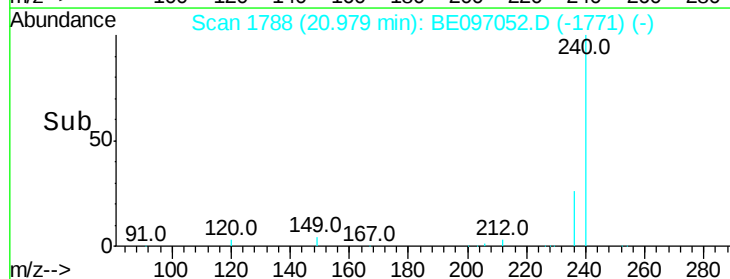
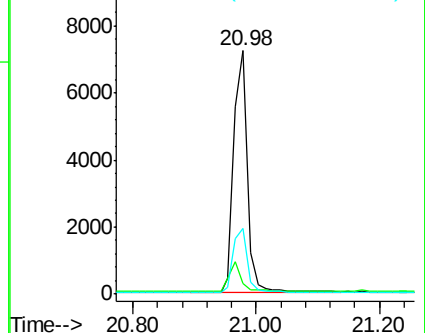
236 26.7 20.7 31.1

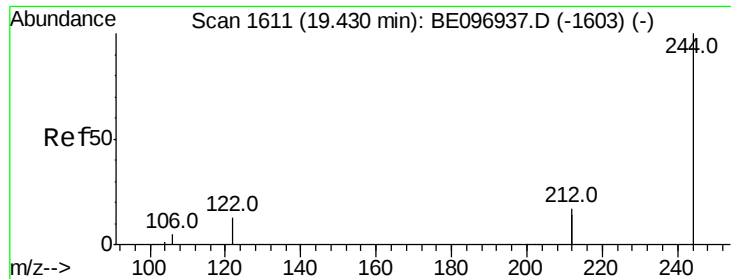


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.815 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE097052.D

Acq: 24 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718

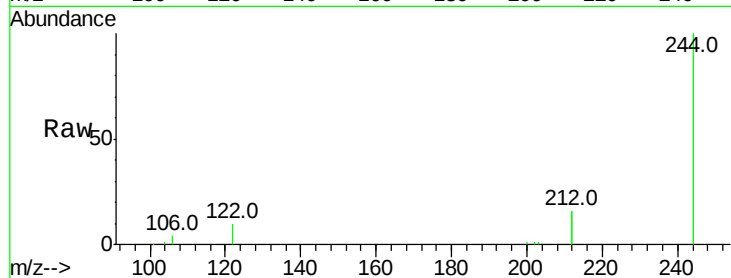
Tot Ion:244 Resp: 17202

Ion Ratio Lower Upper

244 100

212 31.7 25.4 38.0

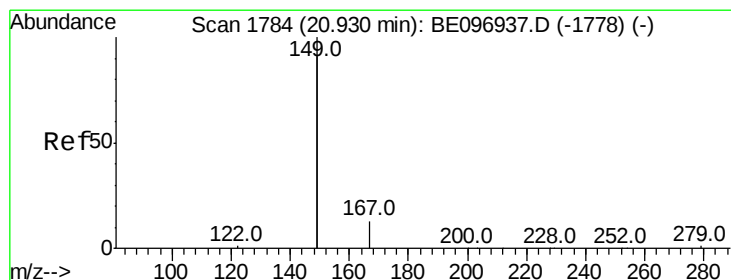
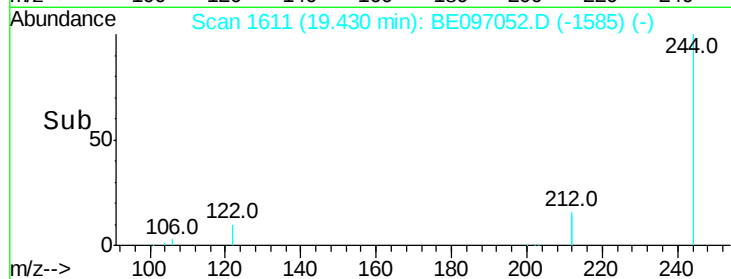
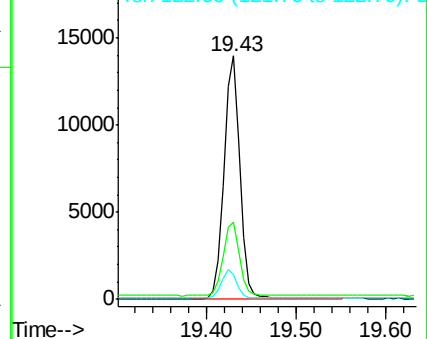
122 10.0 8.1 12.1



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: 0.138 ng

RT: 20.92 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BE097052.D

Acq: 24 Jul 2018 1:21

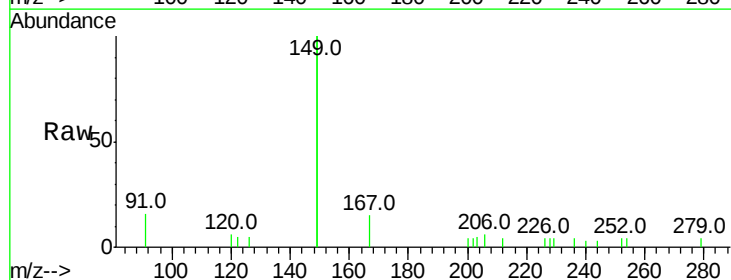
Tgt Ion:149 Resp: 3591

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

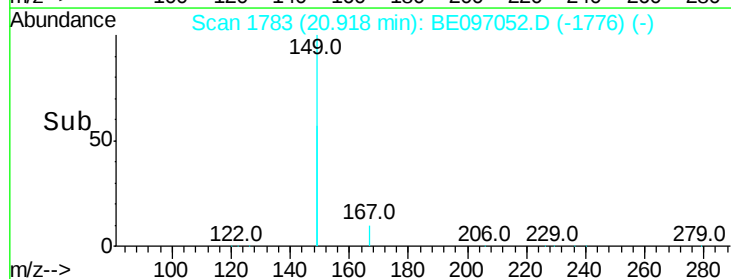
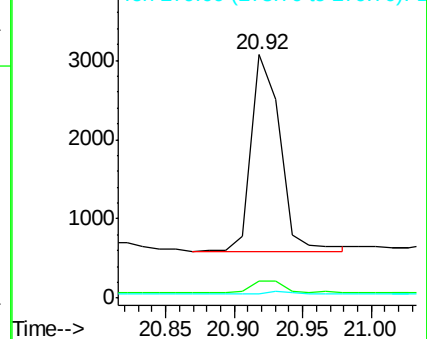
279 1.0 0.7 1.1

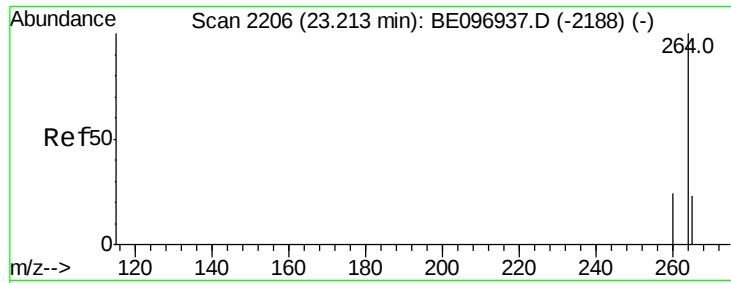


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

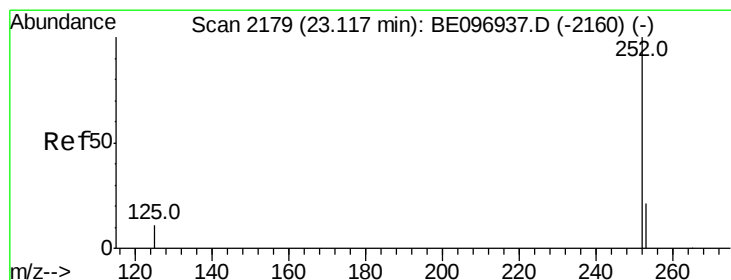
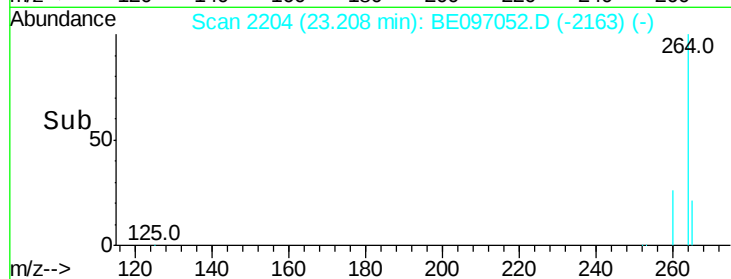
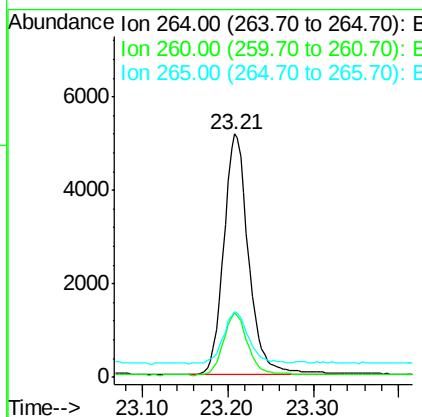
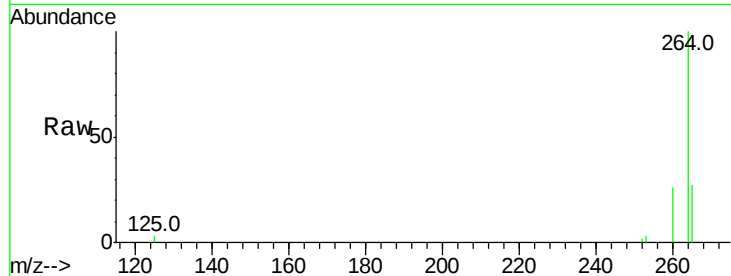




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BE097052.D
Acq: 24 Jul 2018 1:21

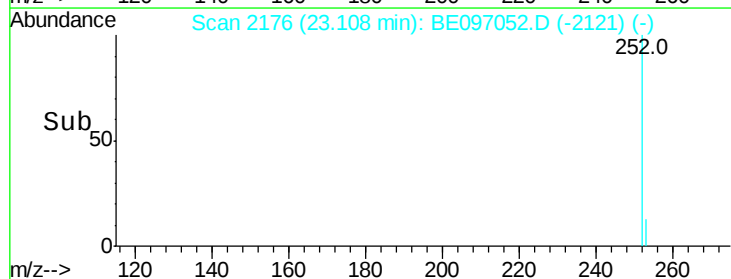
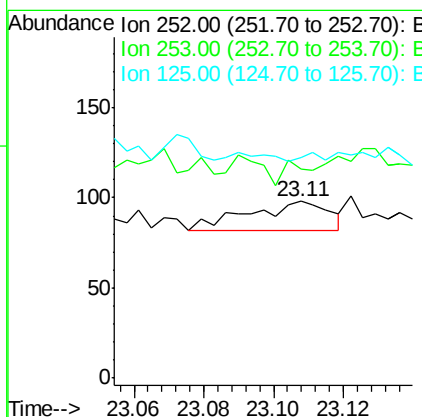
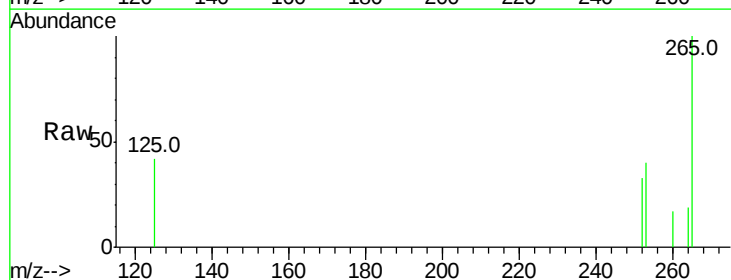
Instrument :
BNA_E
ClientSampleId :
RE108D2-071718

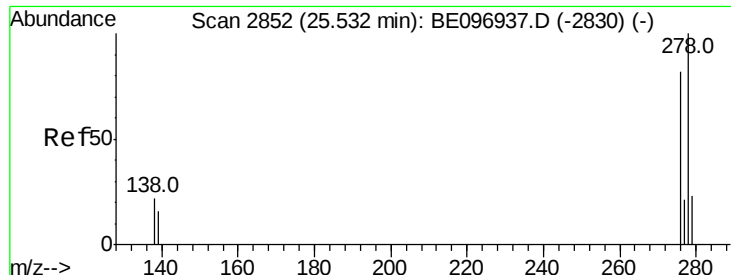
Tot Ion:264 Resp: 10494
Ion Ratio Lower Upper
264 100
260 26.3 20.5 30.7
265 26.9 22.8 34.2



#37
Benzo(a)pyrene
Concen: 0.102 ng
RT: 23.11 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BE097052.D
Acq: 24 Jul 2018 1:21

Tgt Ion:252 Resp: 26
Ion Ratio Lower Upper
252 100
253 118.4 16.0 24.0#
125 124.5 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.52 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BE097052.D

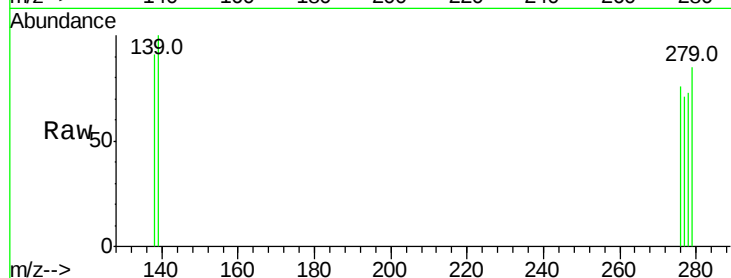
Acq: 24 Jul 2018 1:21

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718



Tot Ion:278 Resp: 3

Ion Ratio Lower Upper

278 100

139 136.8 16.0 24.0#

279 115.8 20.0 30.0#

