

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097082.D
 Acq On : 24 Jul 2018 21:35
 Operator : SJ/JU
 Sample : J4073-11RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE108D2-071718RE

Quant Time: Jul 25 01:02:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 13:24:10 2018
 Response via : Initial Calibration

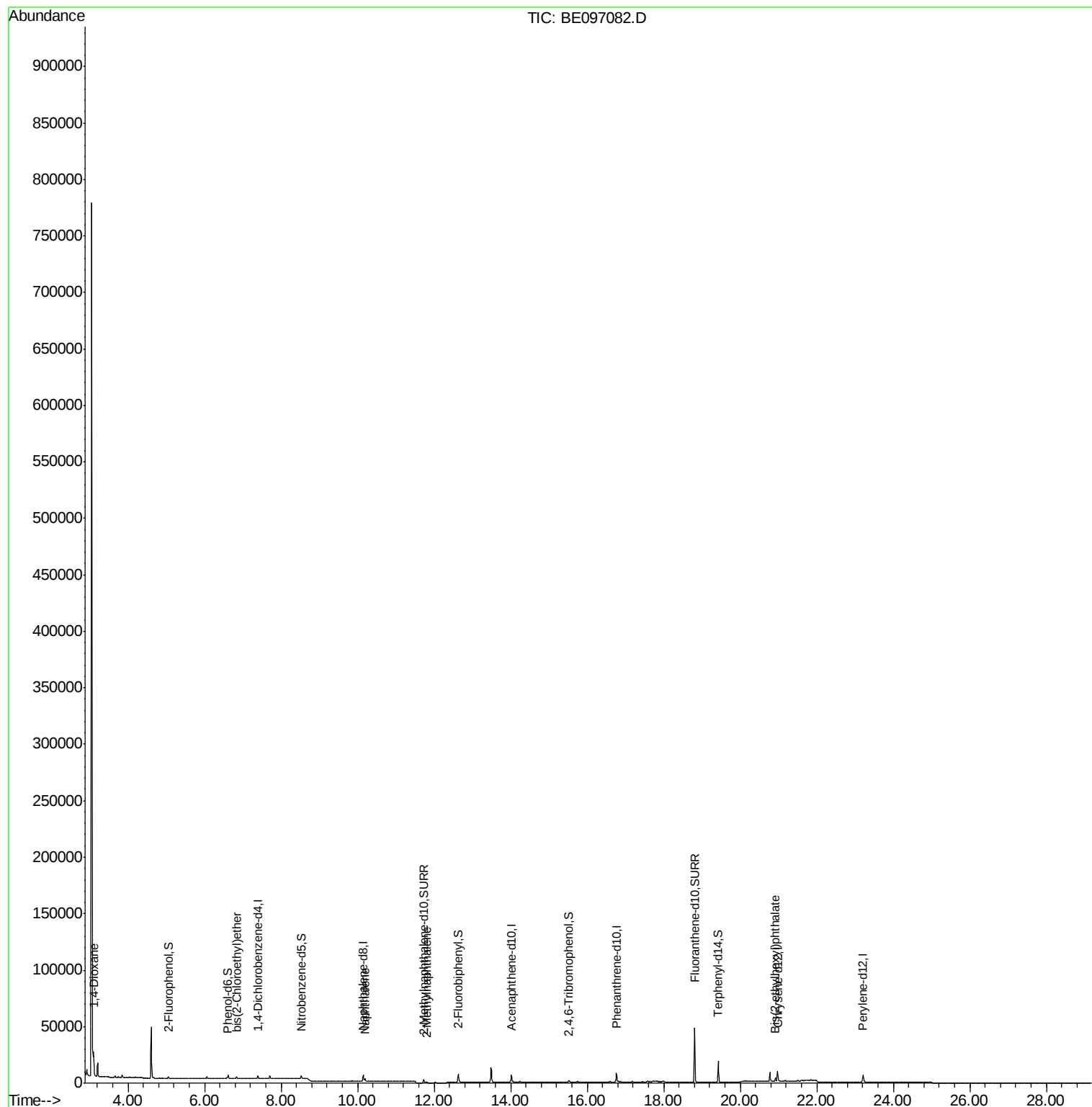
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1240	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5519	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3338	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	10109	0.40	ng	0.00
27) Chrysene-d12	20.98	240	10247	0.40	ng	0.00
34) Perylene-d12	23.21	264	9865	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	786	0.23	ng	0.00
5) Phenol-d6	6.60	99	714	0.14	ng	0.00
8) Nitrobenzene-d5	8.53	82	2457	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4036	0.49	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	676	0.62	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	6722	0.58	ng	0.00
25) Fluoranthene-d10	18.81	212	61862	0.61	ng	0.00
29) Terphenyl-d14	19.42	244	16413	0.83	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.09	88	8678	4.404	ng	95
6) bis(2-Chloroethyl)ether	6.84	93	557	0.119	ng	93
9) Naphthalene	10.20	128	3660	0.074	ng	# 95
12) 2-Methylnaphthalene	11.80	142	288	0.034	ng	# 83
32) Bis(2-ethylhexyl)phthalate	20.92	149	3379	0.122	ng	# 99

(#) = 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

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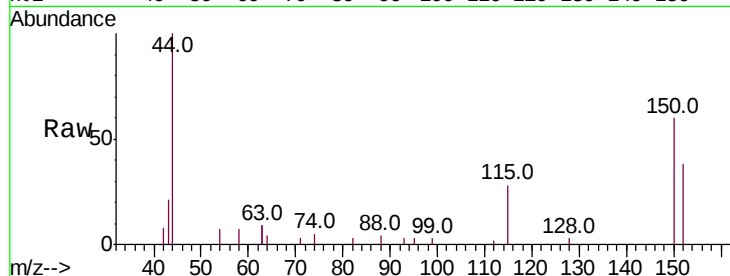
Tot Ion:152 Resp: 1240

Ion Ratio Lower Upper

152 100

150 155.2 117.2 175.8

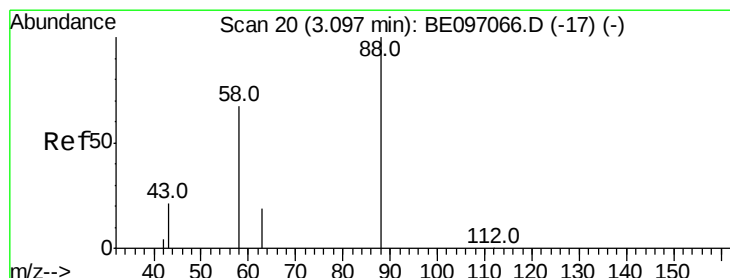
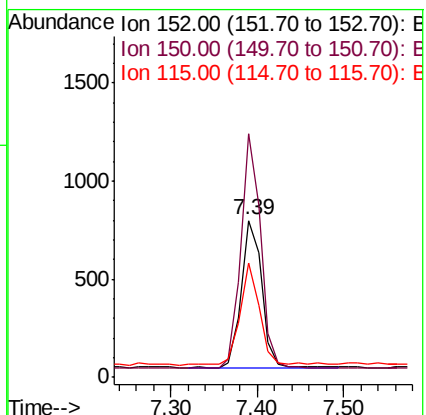
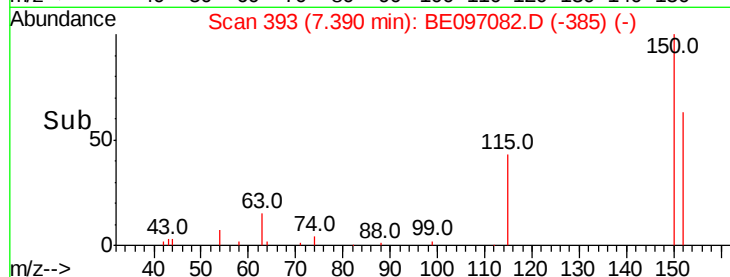
115 73.2 57.0 85.6



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: 4.404 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

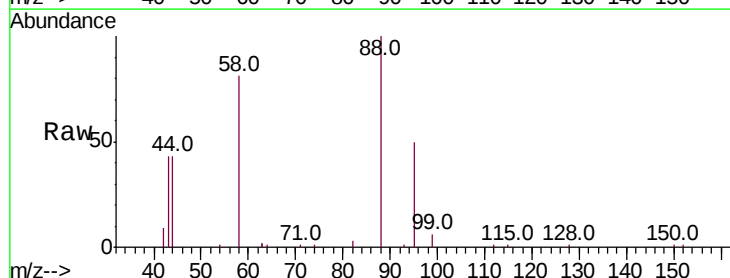
Tgt Ion: 88 Resp: 8678

Ion Ratio Lower Upper

88 100

58 82.7 63.2 94.8

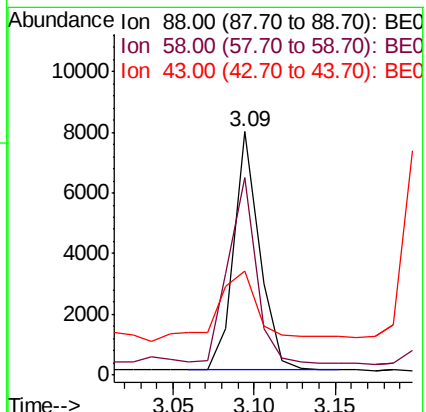
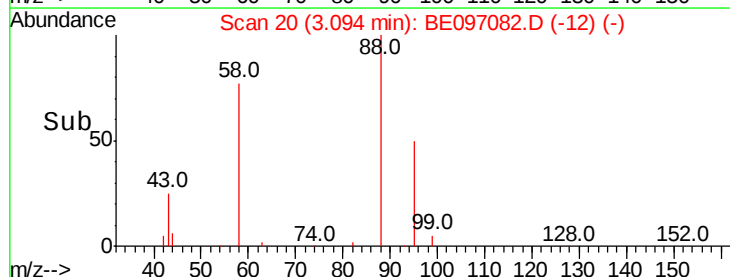
43 47.9 41.2 61.8

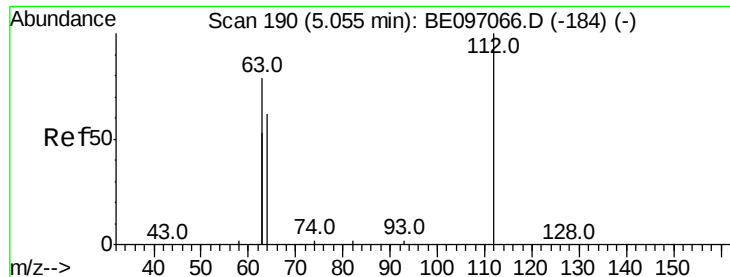


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.226 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097082.D

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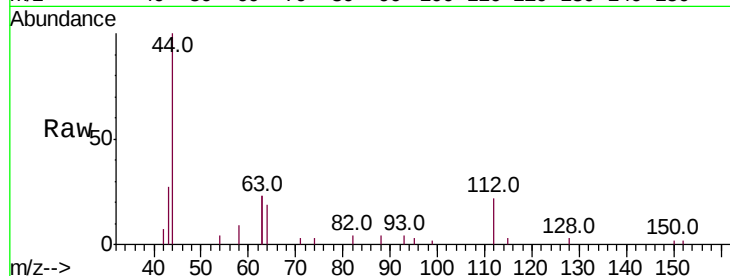
Tot Ion:112 Resp: 786

Ion Ratio Lower Upper

112 100

64 73.8 60.1 90.1

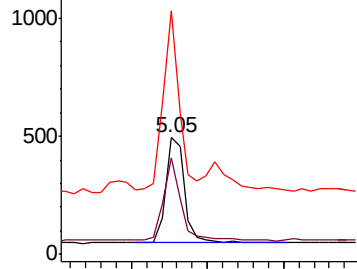
63 144.4 116.8 175.2



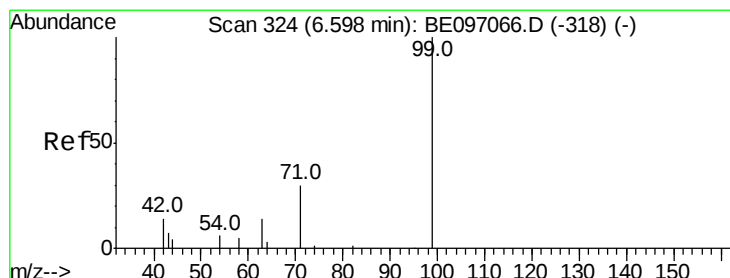
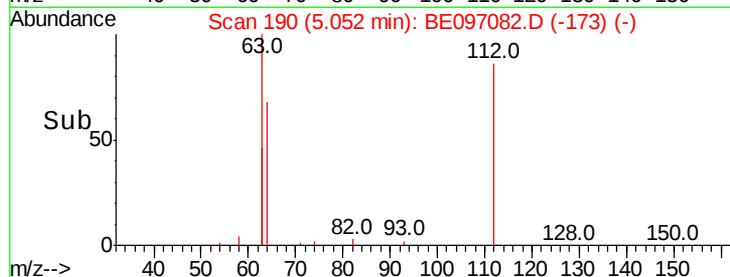
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.140 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

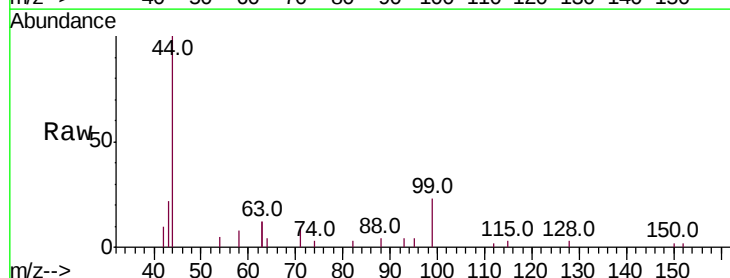
Tgt Ion: 99 Resp: 714

Ion Ratio Lower Upper

99 100

42 39.9 20.2 30.2#

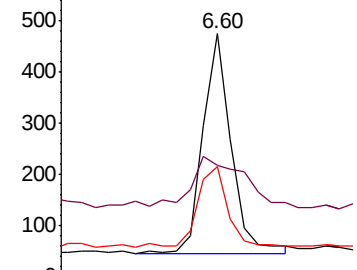
71 39.9 28.4 42.6



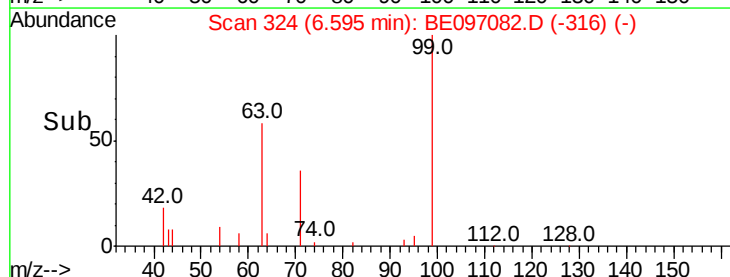
Abundance Ion 99.00 (98.70 to 99.70): BE0

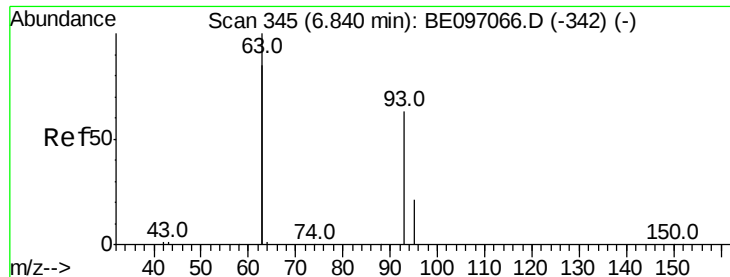
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.119 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

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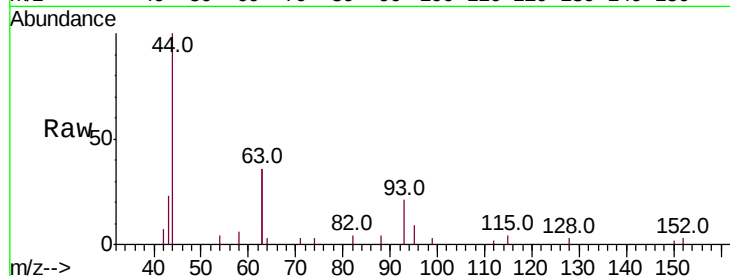
Tot Ion: 93 Resp: 557

Ion Ratio Lower Upper

93 100

63 359.1 275.3 412.9

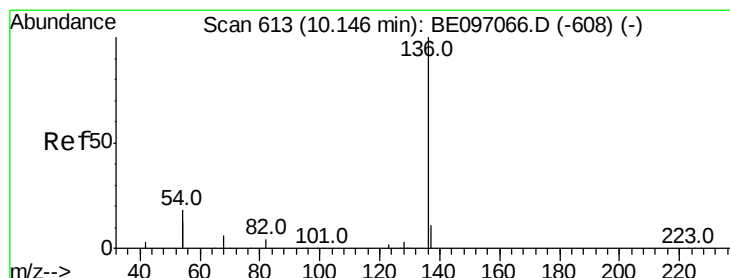
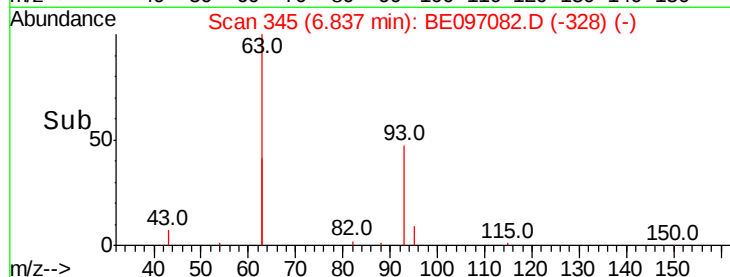
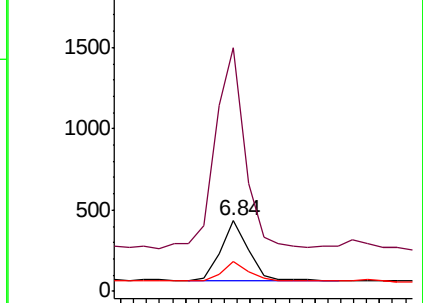
95 32.3 25.2 37.8



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: BE097082.D

Acq: 24 Jul 2018 21:35

Tgt Ion:136 Resp: 5519

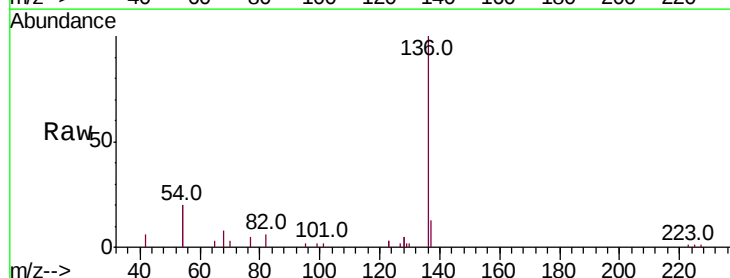
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 39.6 29.1 43.7

68 8.2 6.2 9.2

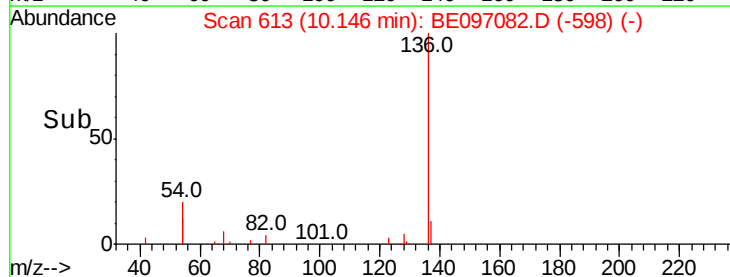
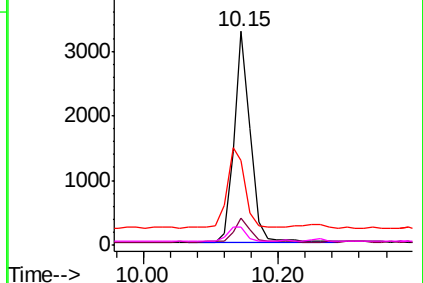


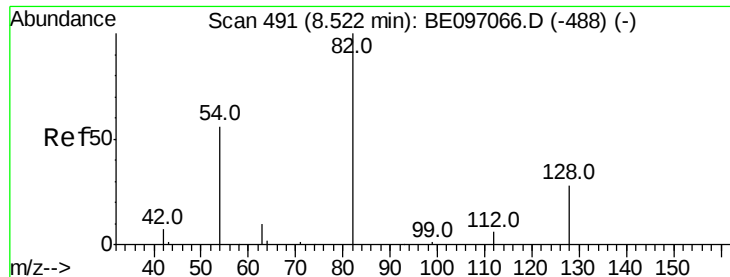
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.512 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097082.D

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Instrument :

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RE108D2-071718RE

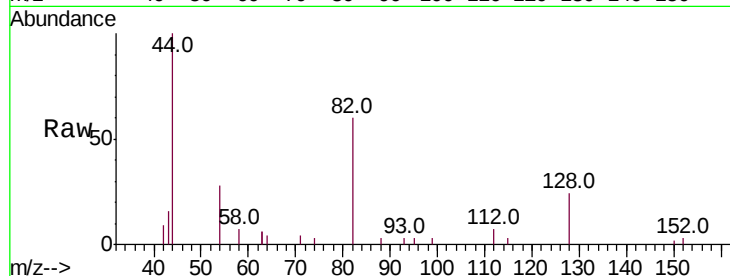
Tot Ion: 82 Resp: 2457

Ion Ratio Lower Upper

82 100

128 39.2 24.0 36.0#

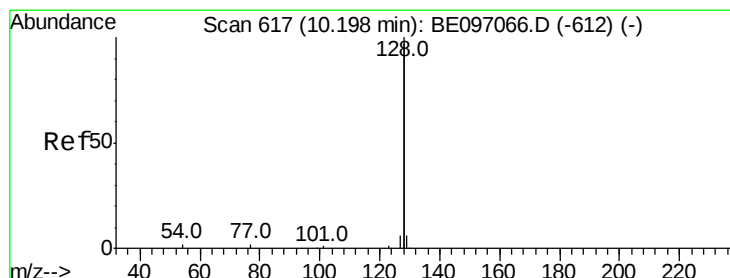
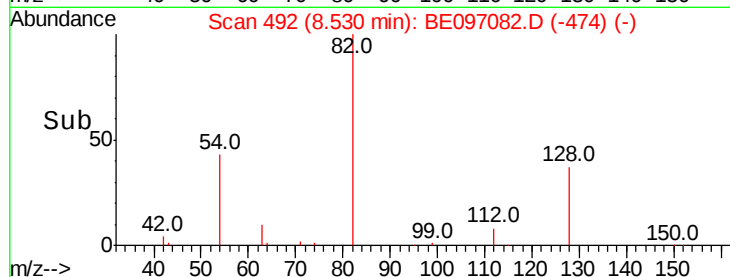
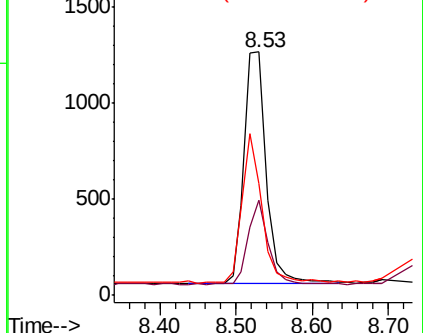
54 46.0 40.0 60.0



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: 0.074 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

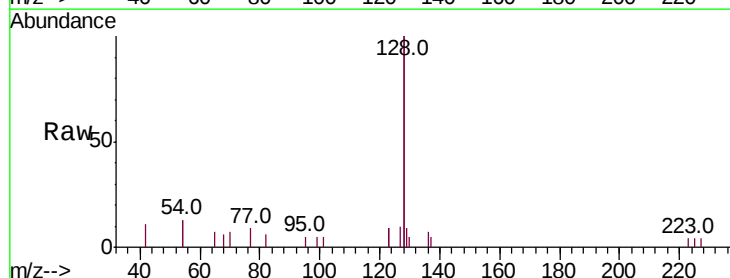
Tgt Ion:128 Resp: 3660

Ion Ratio Lower Upper

128 100

129 4.7 2.6 3.8#

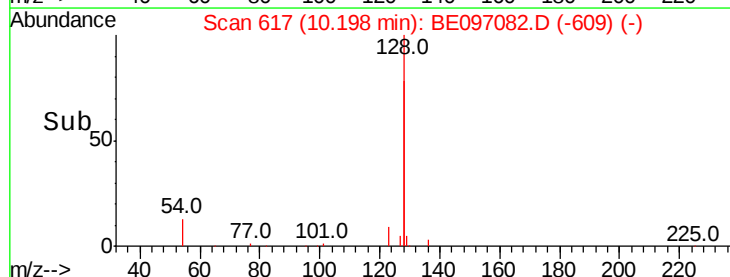
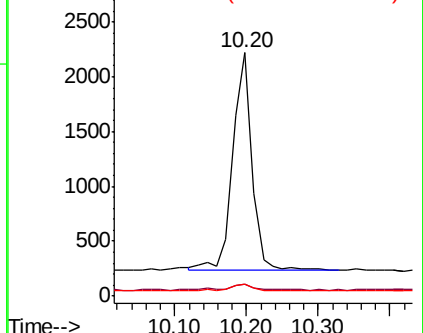
127 5.0 2.8 4.2#

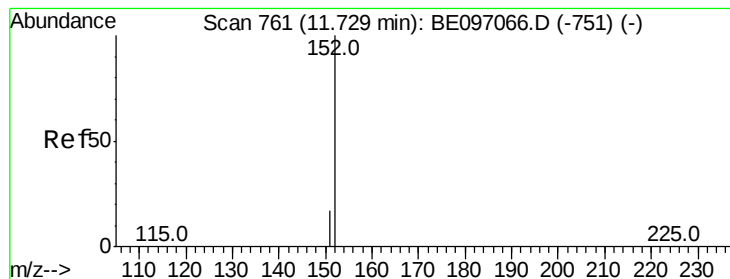


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.489 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

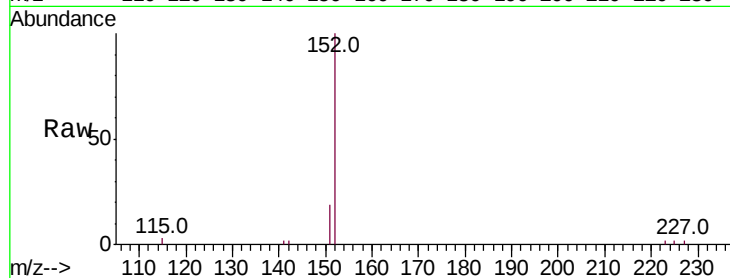
RE108D2-071718RE

Tot Ion:152 Resp: 4036

Ion Ratio Lower Upper

152 100

151 21.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

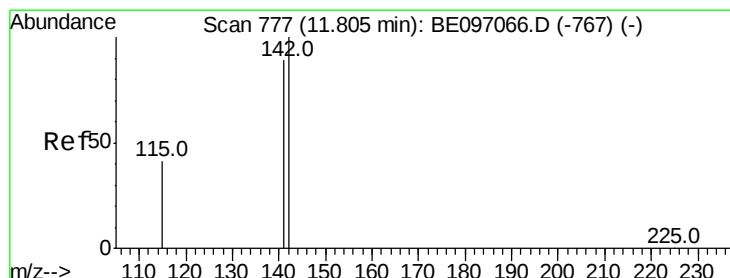
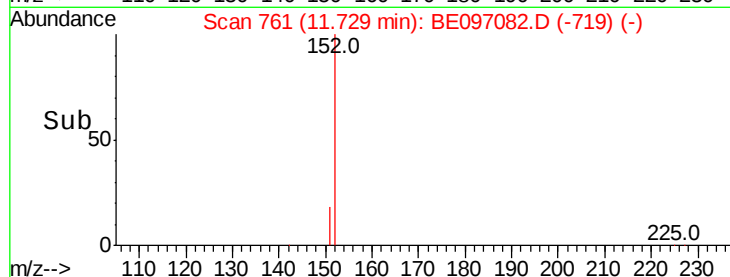
1500

1000

500

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.034 ng

RT: 11.80 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

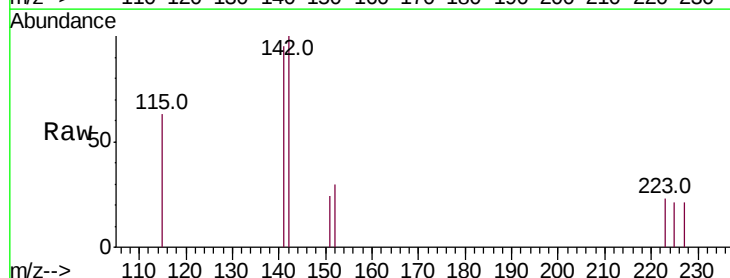
Tgt Ion:142 Resp: 288

Ion Ratio Lower Upper

142 100

141 94.8 70.4 105.6

115 63.0 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

250

200

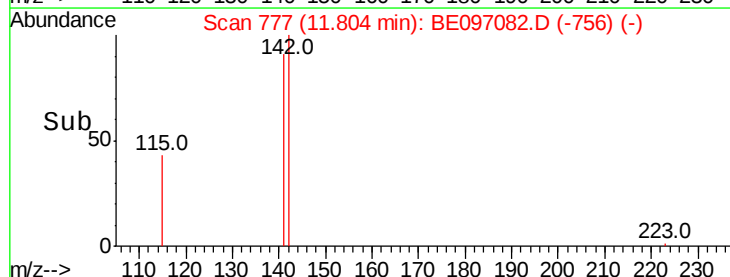
150

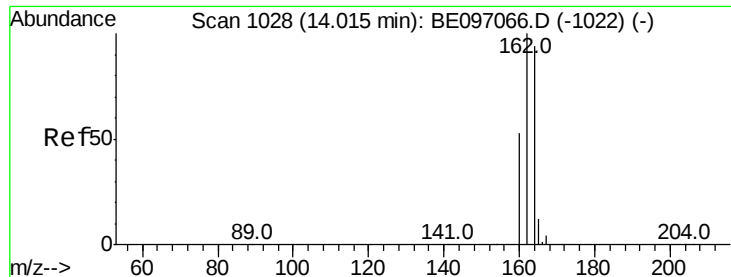
100

50

0

Time--> 11.75 11.80 11.85





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE

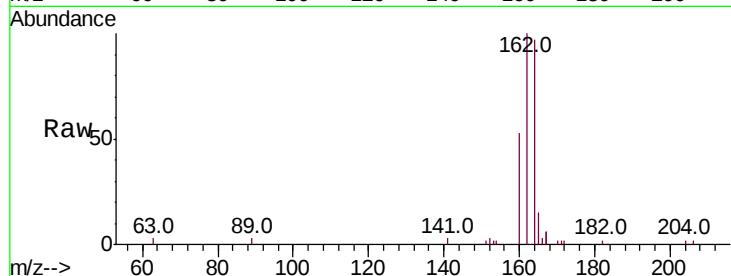
Tot Ion:164 Resp: 3338

Ion Ratio Lower Upper

164 100

162 103.3 83.1 124.7

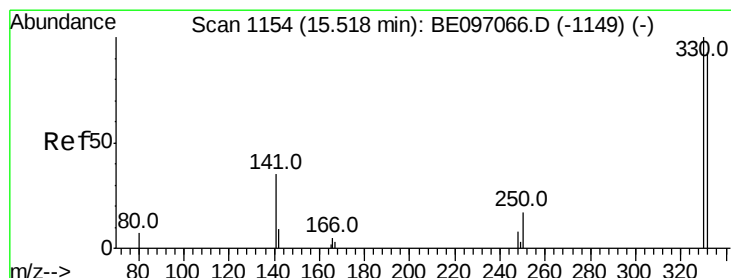
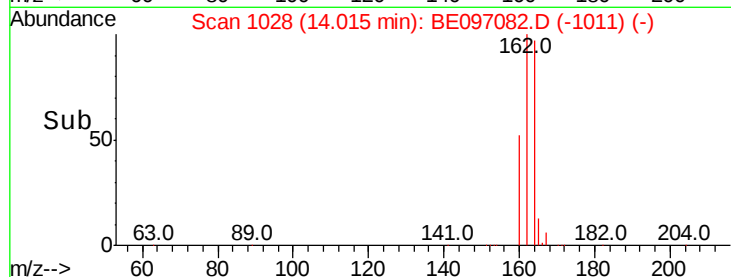
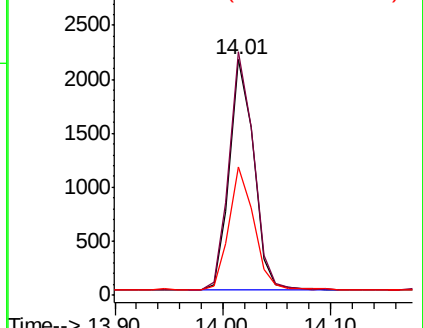
160 54.6 37.1 55.7



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: 0.615 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

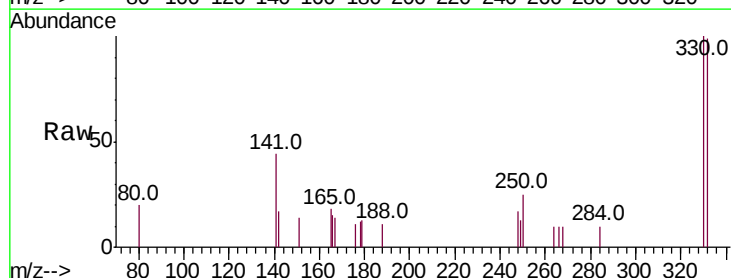
Tgt Ion:330 Resp: 676

Ion Ratio Lower Upper

330 100

332 97.5 152.7 229.1#

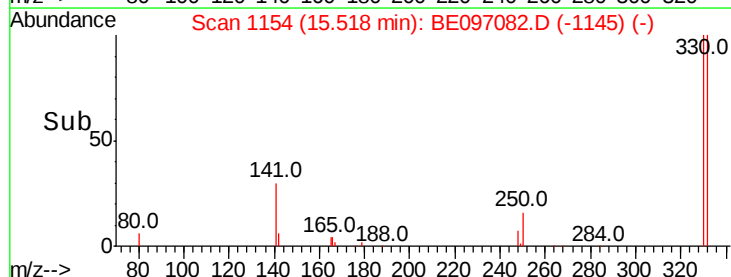
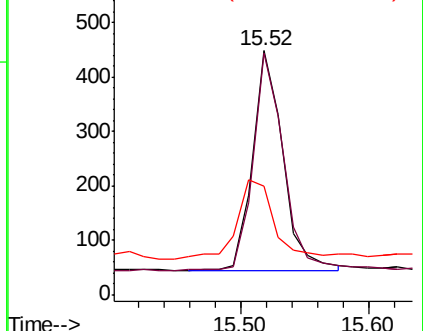
141 44.4 33.7 50.5

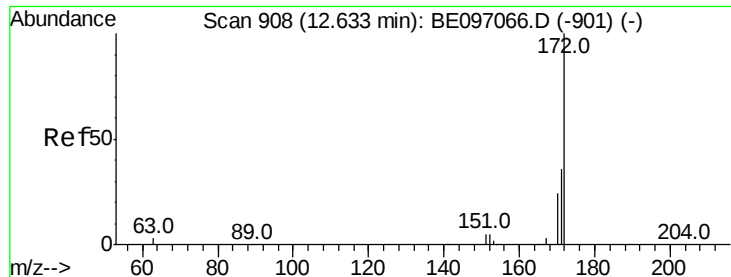


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

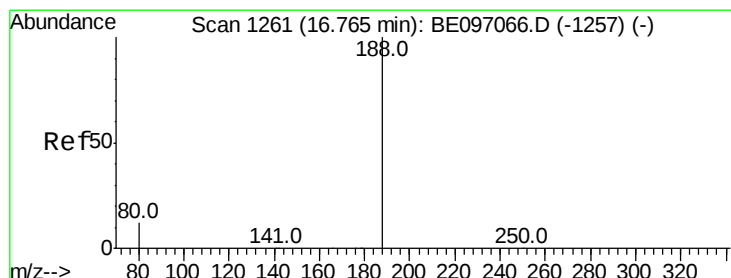
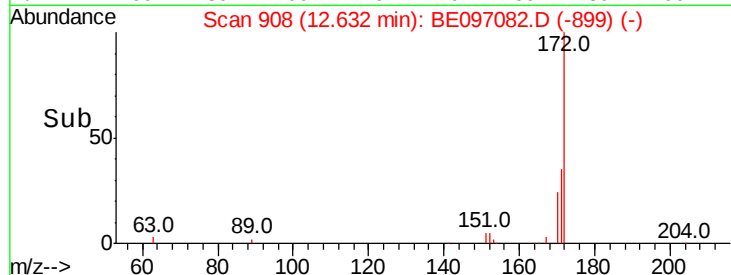
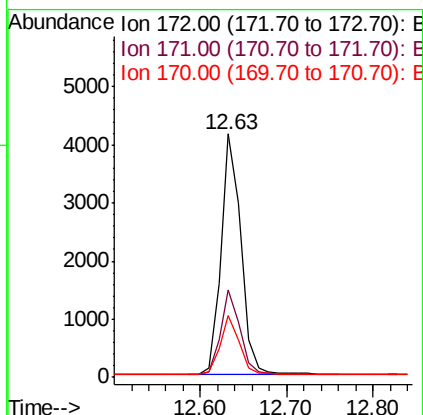
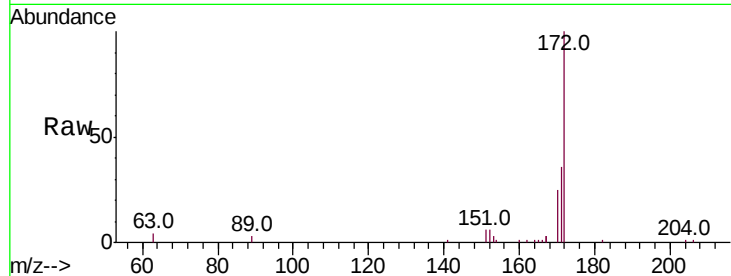




#15
2-Fluorobiphenyl
Concen: 0.583 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097082.D
Acq: 24 Jul 2018 21:35

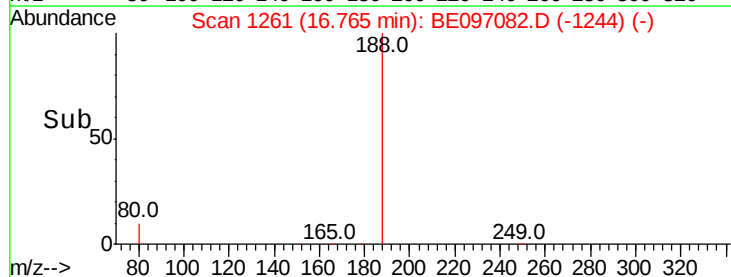
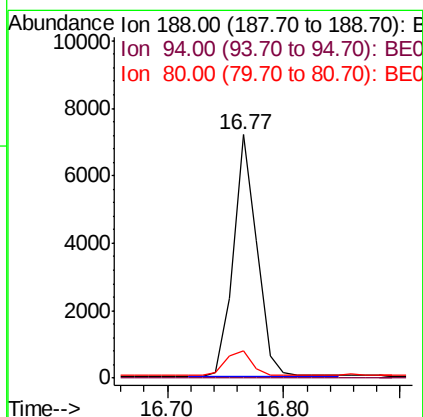
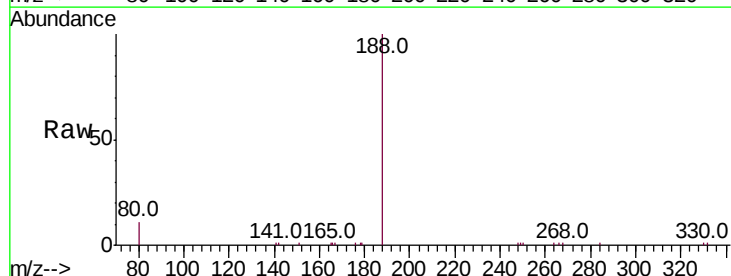
Instrument :
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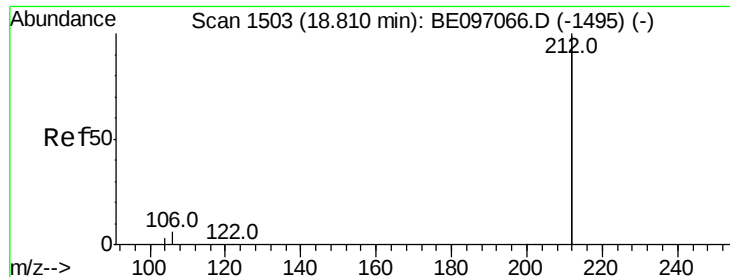
Tot Ion:172 Resp: 6722
Ion Ratio Lower Upper
172 100
171 36.0 29.9 44.9
170 25.2 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE097082.D
Acq: 24 Jul 2018 21:35

Tgt Ion:188 Resp: 10109
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 11.5 3.6 5.4#





#25

Fluoranthene-d10

Concen: 0.611 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE

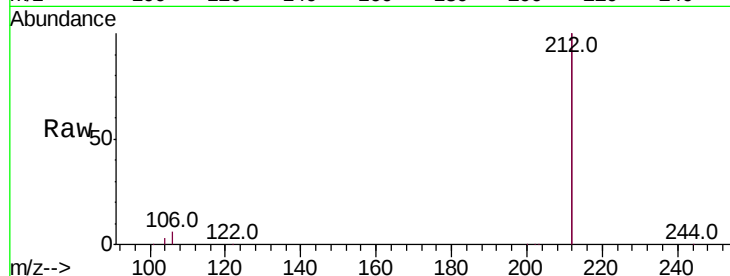
Tot Ion:212 Resp: 61862

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

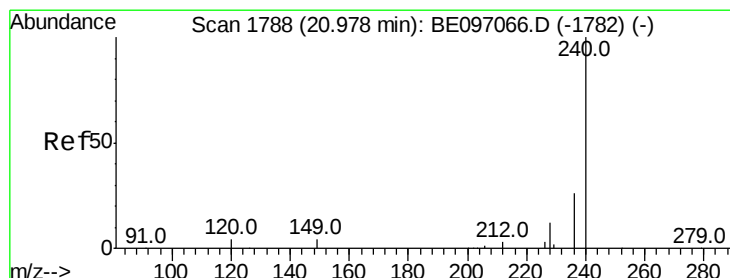
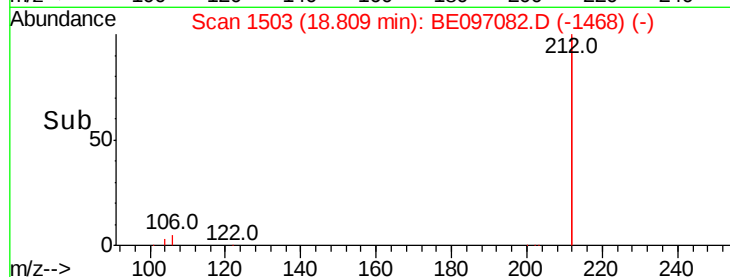
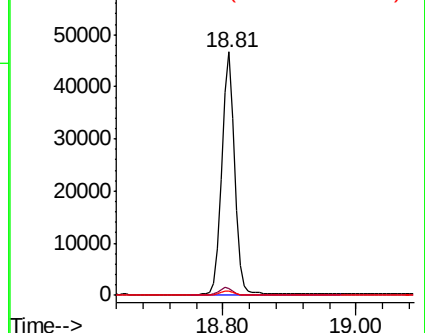
104 1.7 1.6 2.4



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: BE097082.D

Acq: 24 Jul 2018 21:35

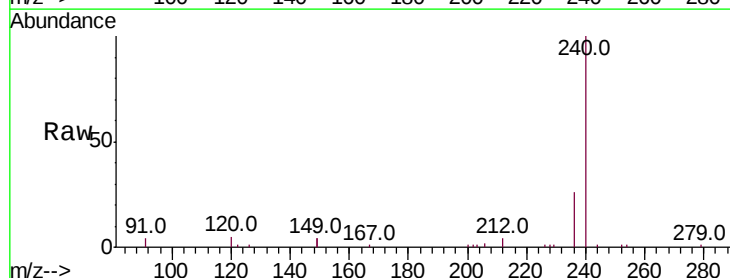
Tgt Ion:240 Resp: 10247

Ion Ratio Lower Upper

240 100

120 4.7 5.5 8.3#

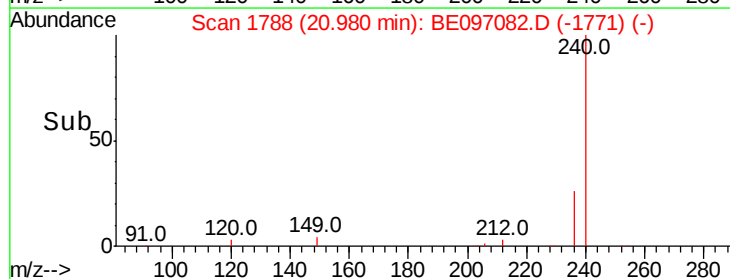
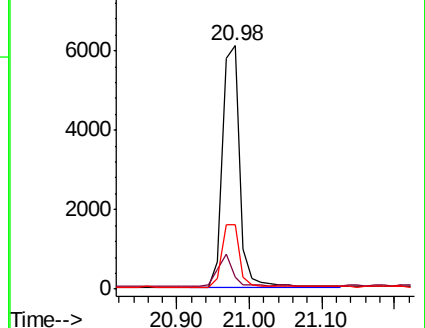
236 26.5 20.7 31.1

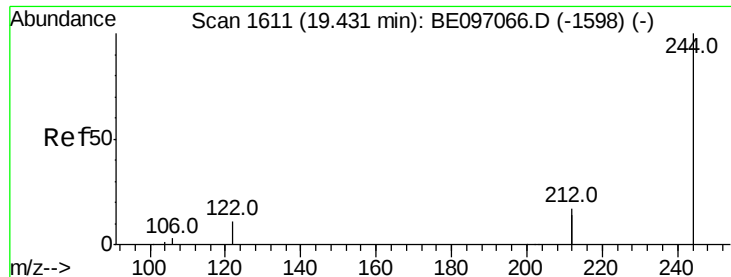


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.834 ng

RT: 19.42 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

Instrument :

BNA_E

ClientSampleId :

RE108D2-071718RE

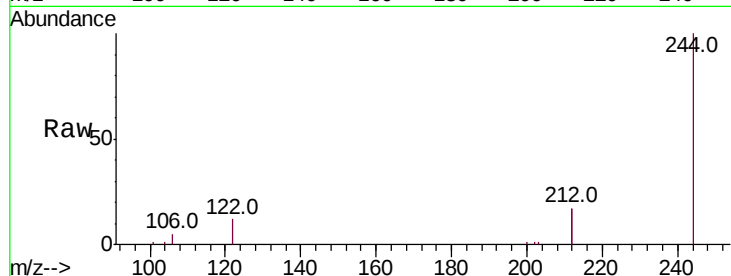
Tot Ion:244 Resp: 16413

Ion Ratio Lower Upper

244 100

212 33.0 25.4 38.0

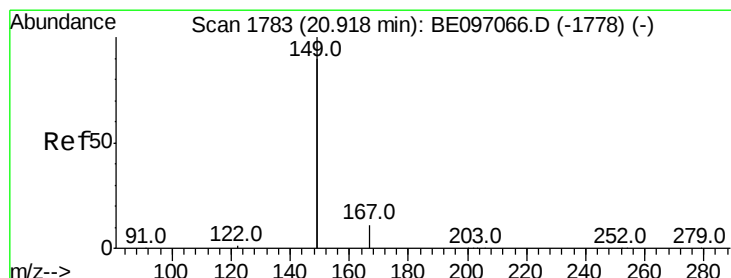
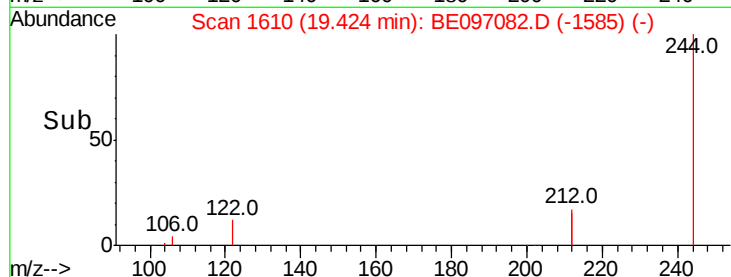
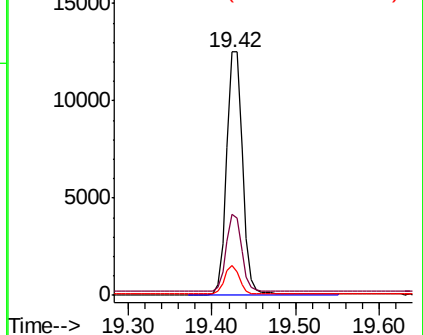
122 12.4 8.1 12.1#



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: 0.122 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097082.D

Acq: 24 Jul 2018 21:35

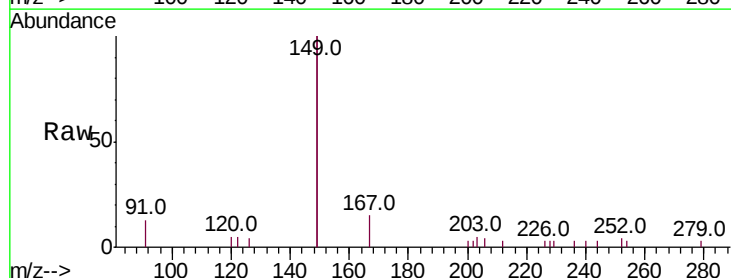
Tgt Ion:149 Resp: 3379

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

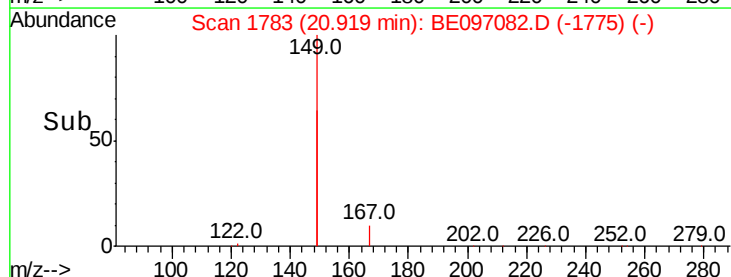
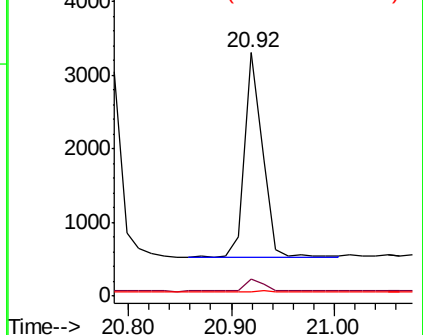
279 1.1 0.7 1.1#

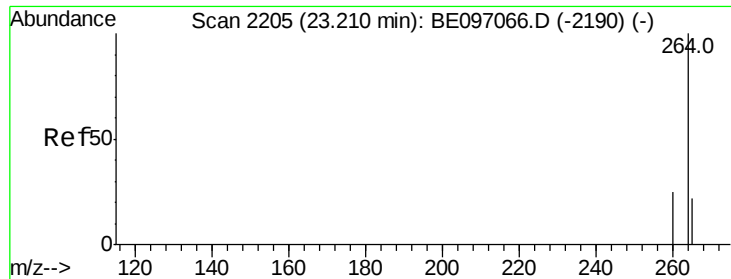


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.21 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BE097082.D
Acq: 24 Jul 2018 21:35

Instrument :
BNA_E
ClientSampleId :
RE108D2-071718RE

Tot Ion: 264 Resp: 9865
Ion Ratio Lower Upper
264 100
260 26.5 20.5 30.7
265 26.0 22.8 34.2

