

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097057.D
 Acq On : 24 Jul 2018 4:29
 Operator : SJ/JU
 Sample : J4073-16
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE108D1-071718

Quant Time: Jul 24 06:51:53 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	1352	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6234	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3859	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11726	0.40	ng	0.00
27) Chrysene-d12	20.98	240	11782	0.40	ng	0.00
34) Perylene-d12	23.21	264	11240	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	795	0.25	ng	0.00
5) Phenol-d6	6.60	99	712	0.14	ng	0.00
8) Nitrobenzene-d5	8.52	82	2887	0.63	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4583	0.50	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	661	0.70	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	8134	0.57	ng	0.00
25) Fluoranthene-d10	18.81	212	68857	0.67	ng	0.00
29) Terphenyl-d14	19.43	244	14332	0.63	ng	0.00

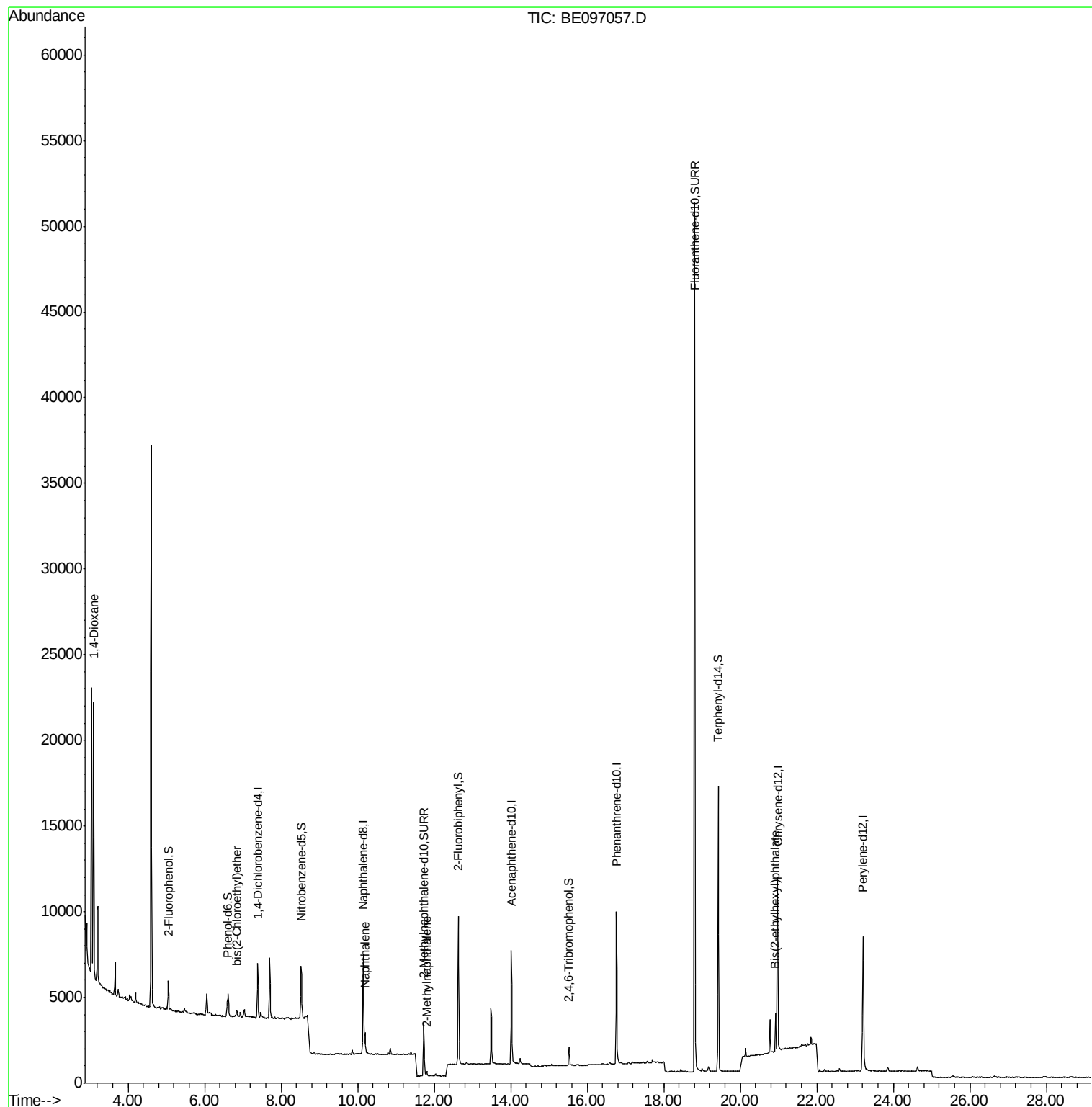
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	8398	4.339	ng	# 87
6) bis(2-Chloroethyl)ether	6.84	93	102	0.021	ng	# 85
9) Naphthalene	10.20	128	2100	0.038	ng	# 91
12) 2-Methylnaphthalene	11.81	142	207	0.022	ng	# 87
32) Bis(2-ethylhexyl)phthalate	20.92	149	2964	0.106	ng	# 99

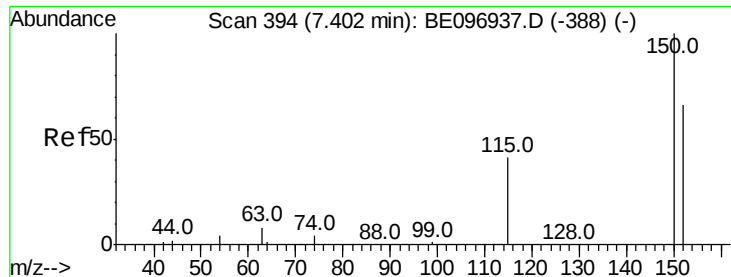
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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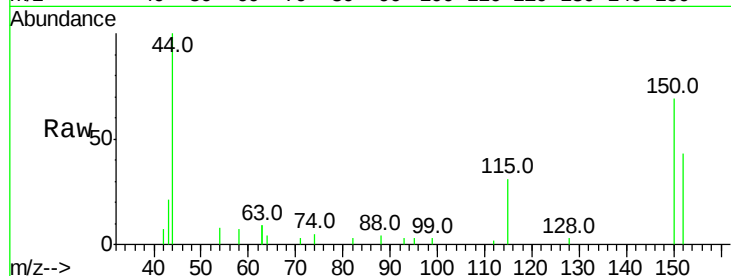


#1

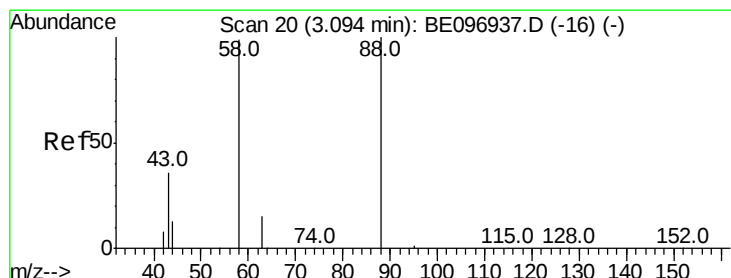
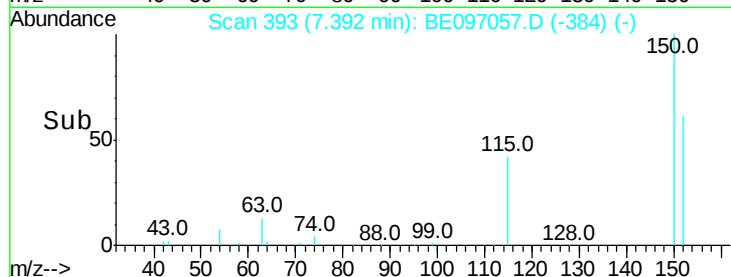
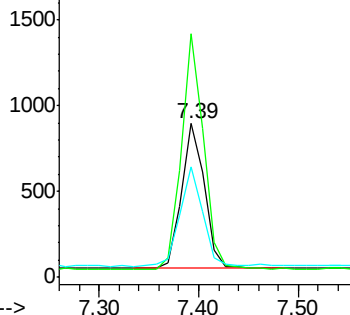
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097057.D
Acq: 24 Jul 2018 4:29

Instrument :
BNA_E
ClientSampleId :
RE108D1-071718

Tot Ion:152 Resp: 1352
Ion Ratio Lower Upper
152 100
150 158.5 117.2 175.8
115 72.3 57.0 85.6



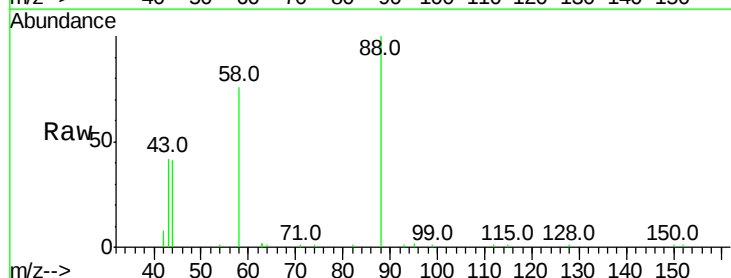
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



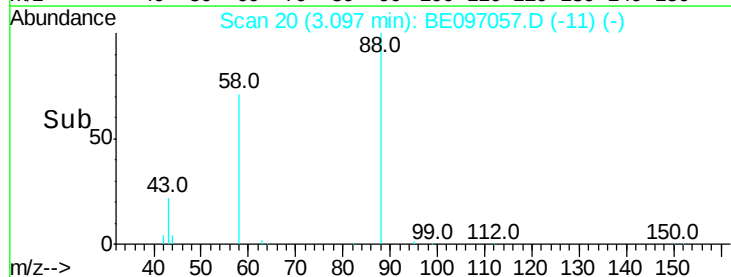
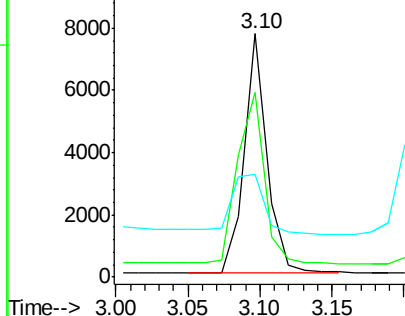
#2

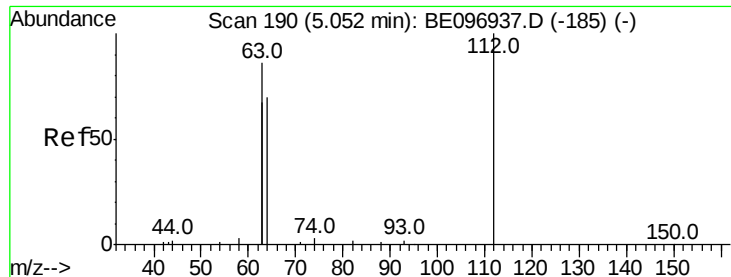
1,4-Dioxane
Concen: 4.339 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097057.D
Acq: 24 Jul 2018 4:29

Tgt Ion: 88 Resp: 8398
Ion Ratio Lower Upper
88 100
58 84.8 63.2 94.8
43 36.4 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





#4

2-Fluorophenol

Concen: 0.246 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097057.D

Acq: 24 Jul 2018 4:29

Instrument :

BNA_E

ClientSampleId :

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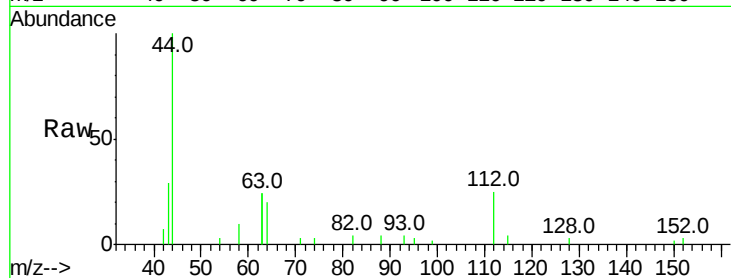
Tot Ion: 112 Resp: 795

Ion Ratio Lower Upper

112 100

64 70.1 60.1 90.1

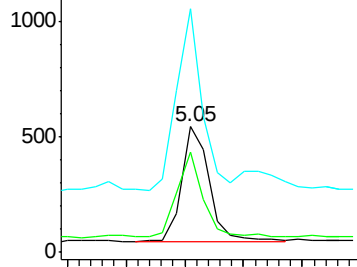
63 146.9 116.8 175.2



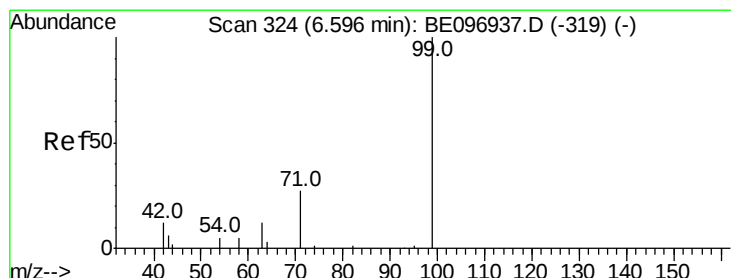
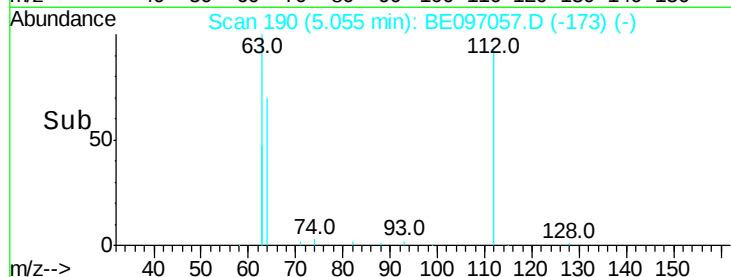
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time--> 4.95 5.00 5.05 5.10 5.15



#5

Phenol-d6

Concen: 0.144 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097057.D

Acq: 24 Jul 2018 4:29

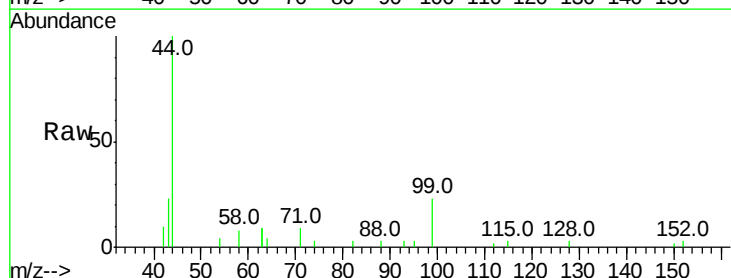
Tgt Ion: 99 Resp: 712

Ion Ratio Lower Upper

99 100

42 31.9 20.2 30.2#

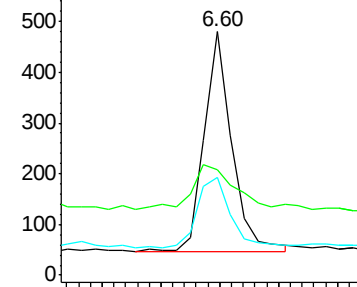
71 38.3 28.4 42.6



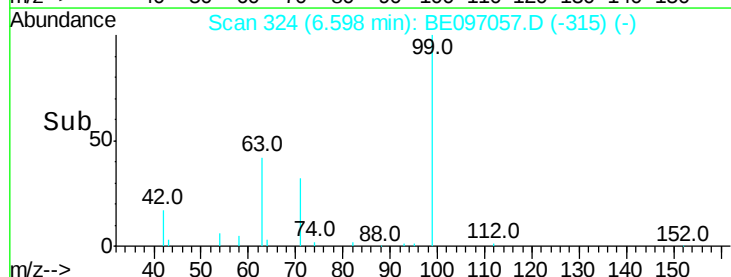
Abundance Ion 99.00 (98.70 to 99.70): BE0

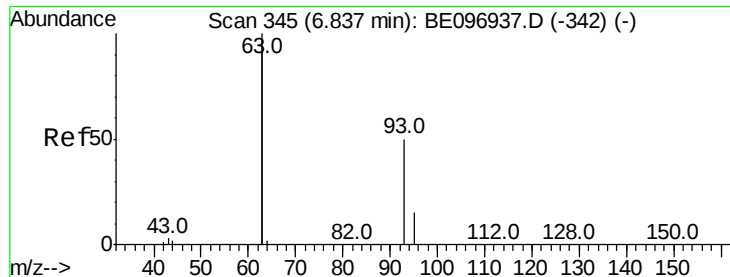
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time--> 6.50 6.55 6.60 6.65 6.70





#6

bis(2-Chloroethyl)ether

Concen: 0.021 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097057.D

Acq: 24 Jul 2018 4:29

Instrument :

BNA_E

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RE108D1-071718

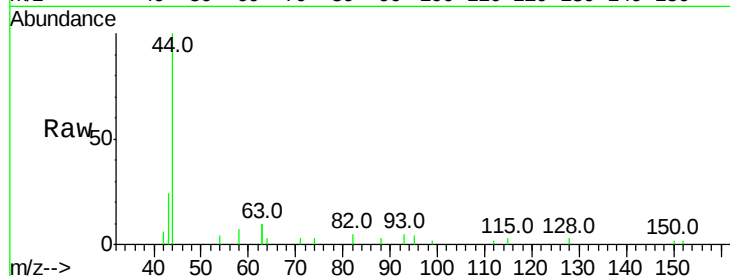
Tot Ion: 93 Resp: 102

Ion Ratio Lower Upper

93 100

63 311.8 275.3 412.9

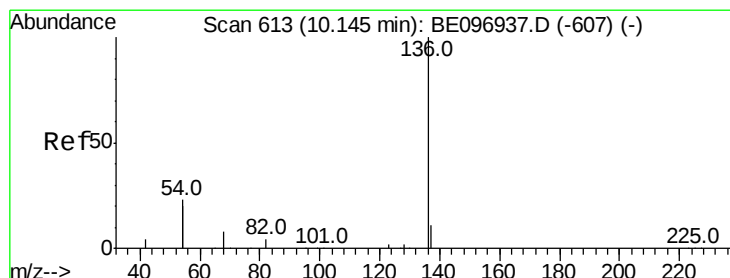
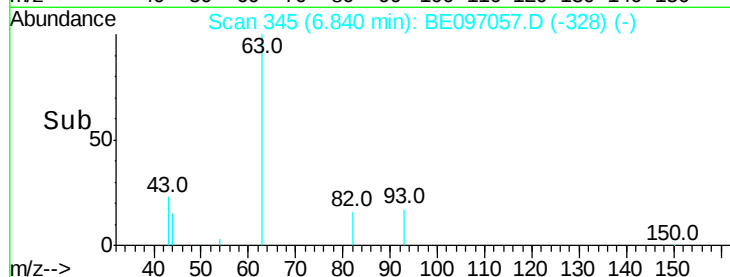
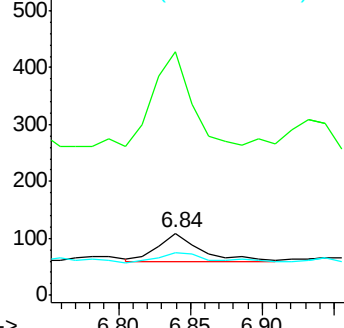
95 40.2 25.2 37.8#



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: BE097057.D

Acq: 24 Jul 2018 4:29

Tgt Ion:136 Resp: 6234

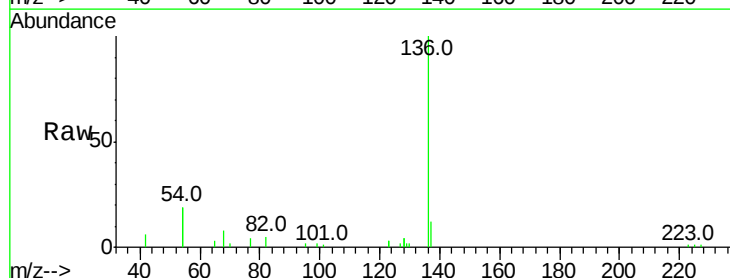
Ion Ratio Lower Upper

136 100

137 12.2 9.5 14.3

54 38.6 29.1 43.7

68 8.2 6.2 9.2

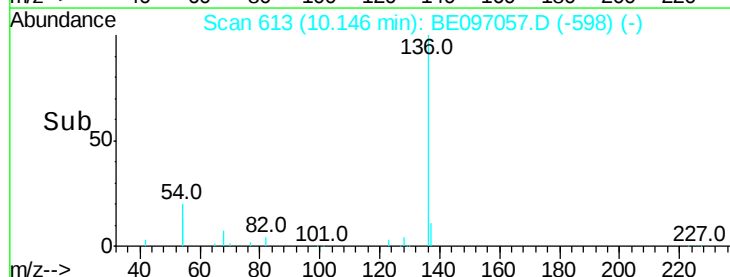
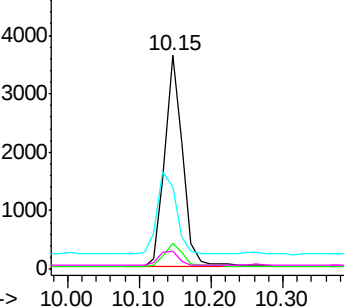


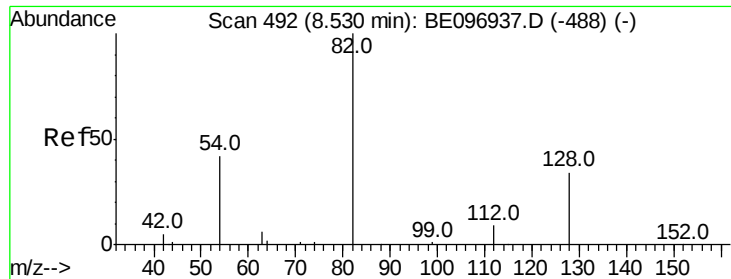
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.635 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097057.D

Acq: 24 Jul 2018 4:29

Instrument :

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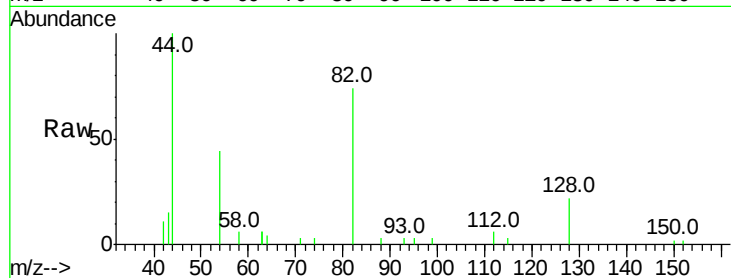
Tot Ion: 82 Resp: 2887

Ion Ratio Lower Upper

82 100

128 29.1 24.0 36.0

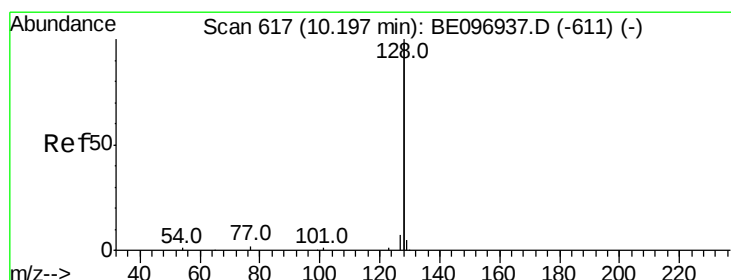
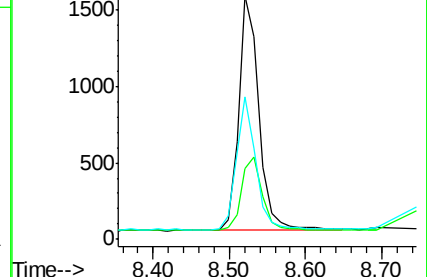
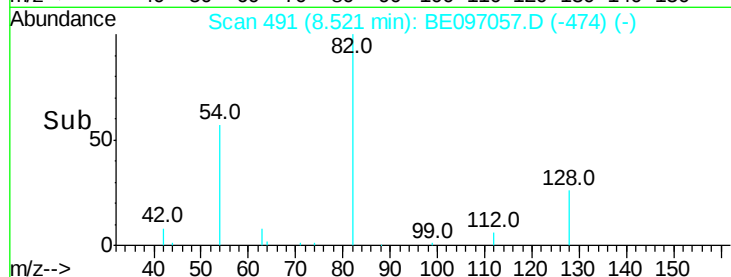
54 58.6 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.038 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097057.D

Acq: 24 Jul 2018 4:29

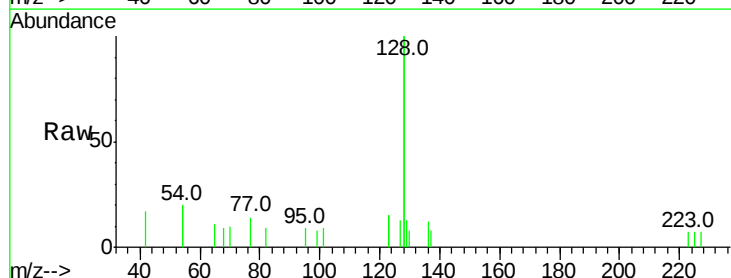
Tgt Ion:128 Resp: 2100

Ion Ratio Lower Upper

128 100

129 6.6 2.6 3.8#

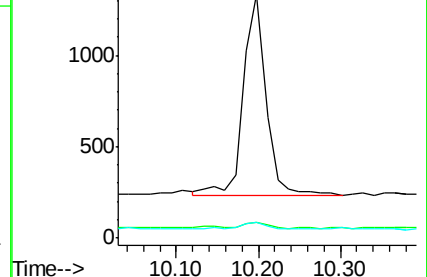
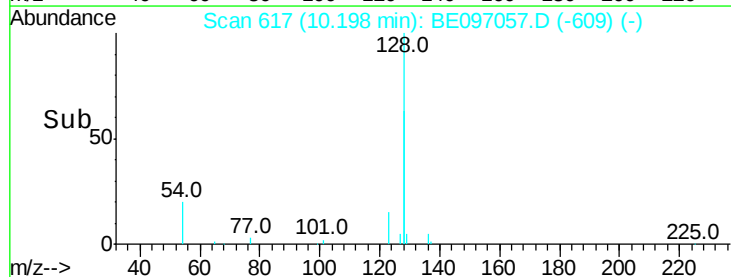
127 6.4 2.8 4.2#

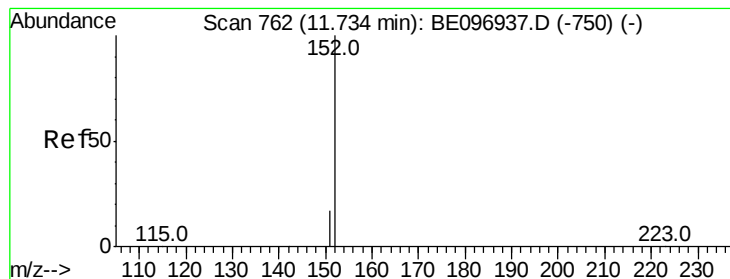


Abundance Ion 128.00 (127.70 to 128.70): BE0

Ion 129.00 (128.70 to 129.70): BE0

Ion 127.00 (126.70 to 127.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.504 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097057.D

Acq: 24 Jul 2018 4:29

Instrument :

BNA_E

ClientSampleId :

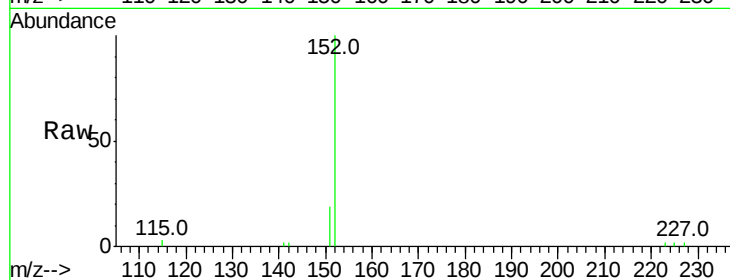
RE108D1-071718

Tot Ion:152 Resp: 4583

Ion Ratio Lower Upper

152 100

151 20.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

3000

2500

2000

1500

1000

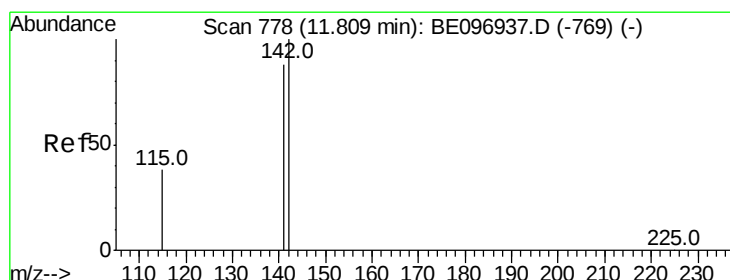
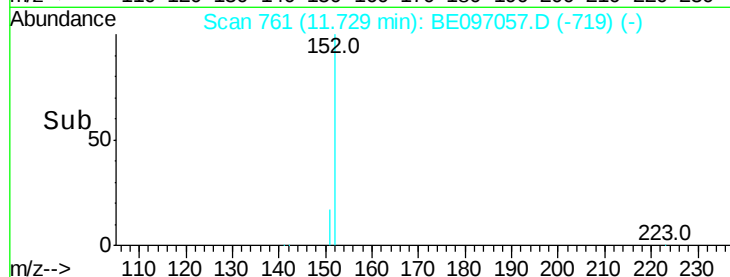
500

0

11.73

11.70 11.80 11.90

Time-->



#12

2-Methylnaphthalene

Concen: 0.022 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE097057.D

Acq: 24 Jul 2018 4:29

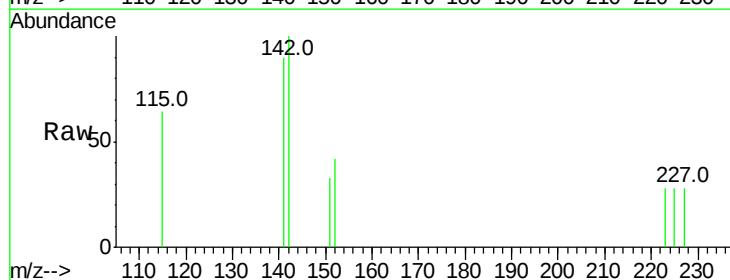
Tgt Ion:142 Resp: 207

Ion Ratio Lower Upper

142 100

141 89.7 70.4 105.6

115 63.6 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

200

150

100

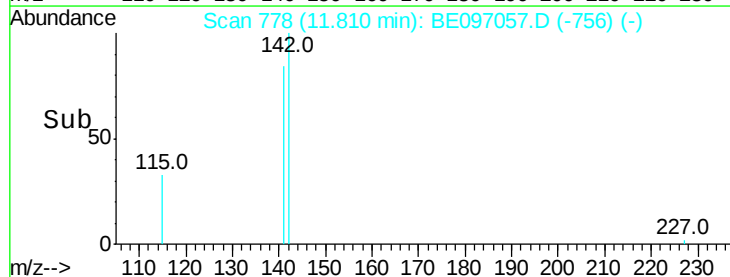
50

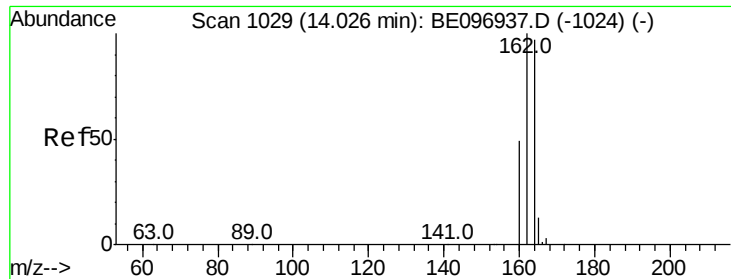
0

11.81

11.75 11.85

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE097057.D

Acq: 24 Jul 2018 4:29

Instrument :

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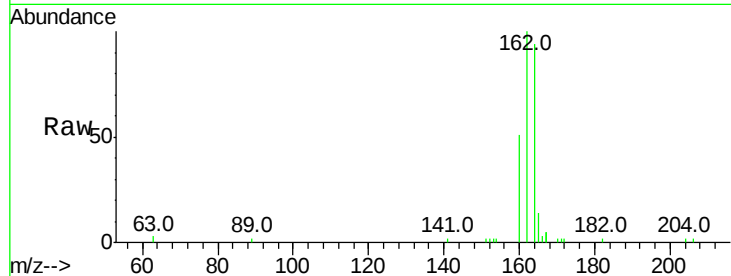
Tot Ion:164 Resp: 3859

Ion Ratio Lower Upper

164 100

162 105.8 83.1 124.7

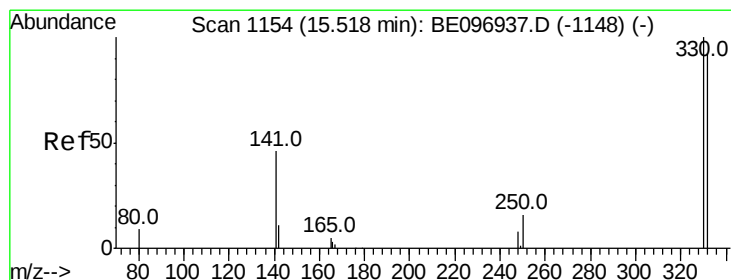
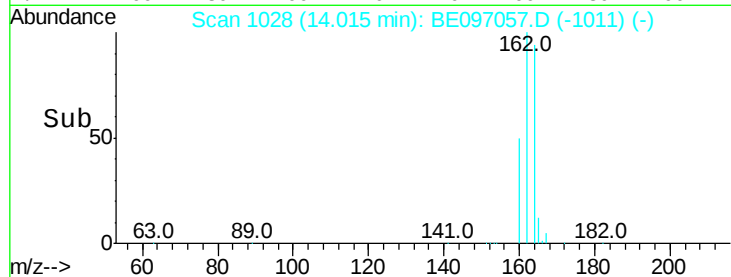
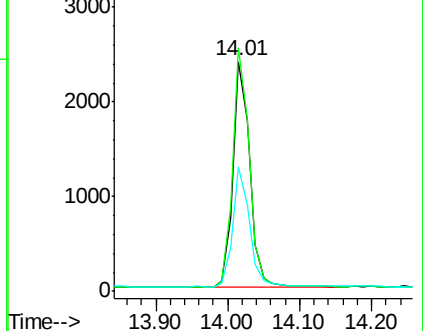
160 54.3 37.1 55.7



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: 0.702 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097057.D

Acq: 24 Jul 2018 4:29

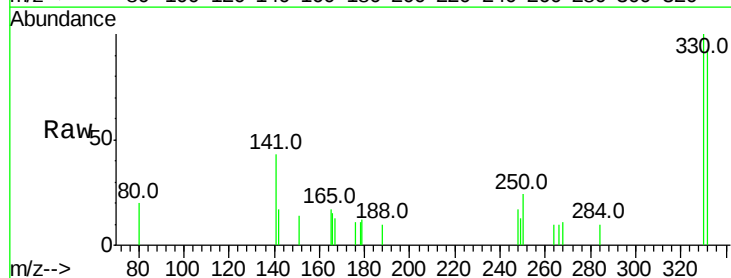
Tgt Ion:330 Resp: 661

Ion Ratio Lower Upper

330 100

332 96.8 152.7 229.1#

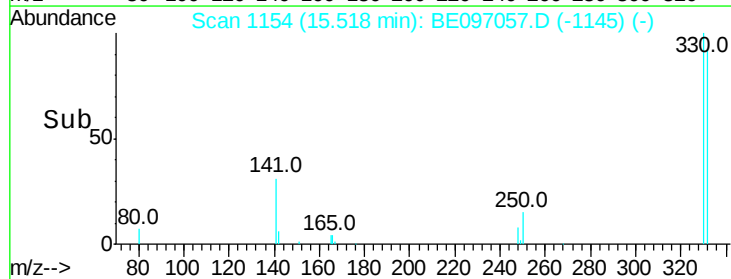
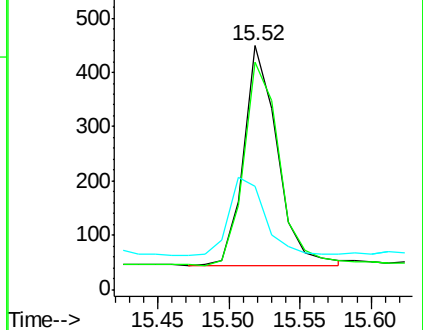
141 39.0 33.7 50.5

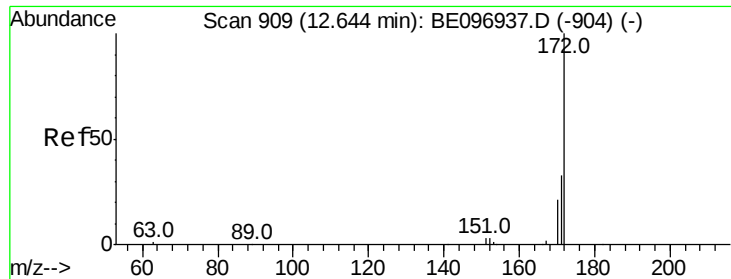


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

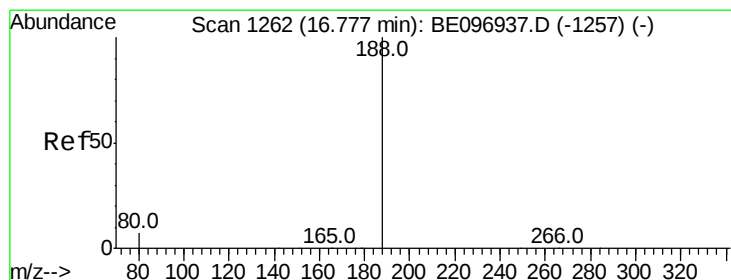
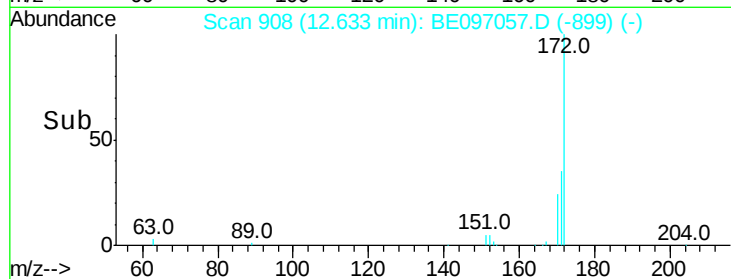
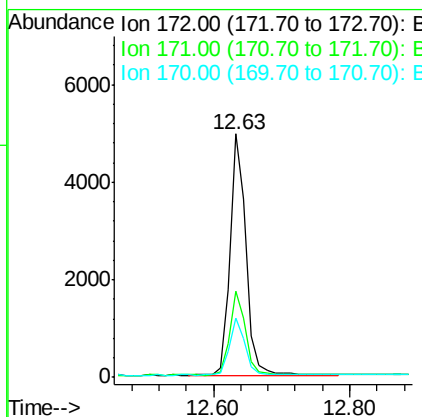
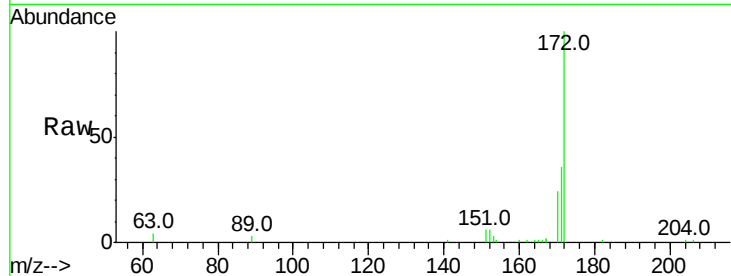




#15
2-Fluorobiphenyl
Concen: 0.567 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097057.D
Acq: 24 Jul 2018 4:29

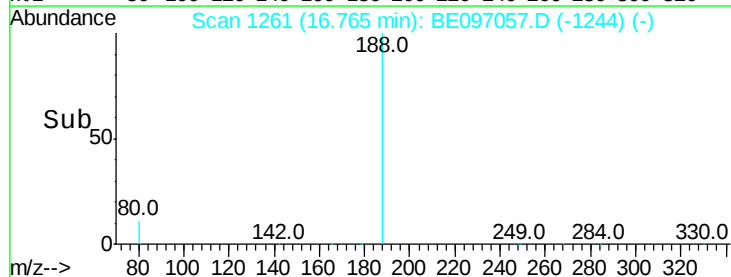
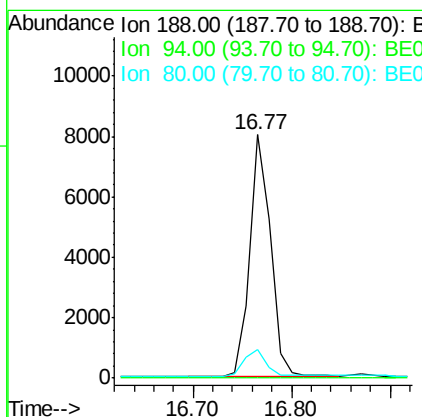
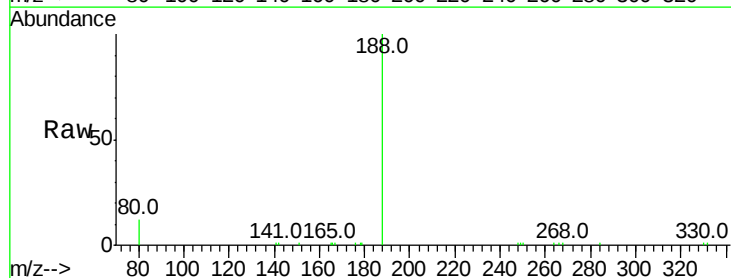
Instrument :
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ClientSampleId :
RE108D1-071718

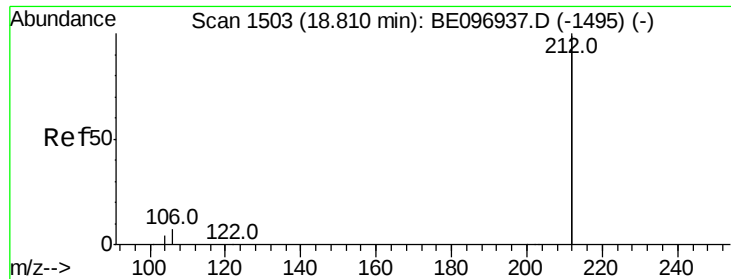
Tot Ion:172 Resp: 8134
Ion Ratio Lower Upper
172 100
171 35.6 29.9 44.9
170 24.3 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097057.D
Acq: 24 Jul 2018 4:29

Tgt Ion:188 Resp: 11726
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 11.8 3.6 5.4#





#25

Fluoranthene-d10

Concen: 0.675 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097057.D

Acq: 24 Jul 2018 4:29

Instrument :

BNA_E

ClientSampleId :

RE108D1-071718

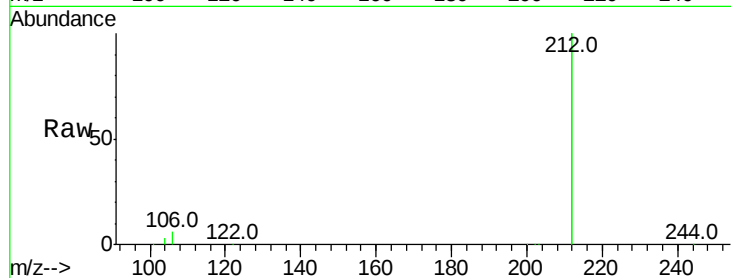
Tot Ion:212 Resp: 68857

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

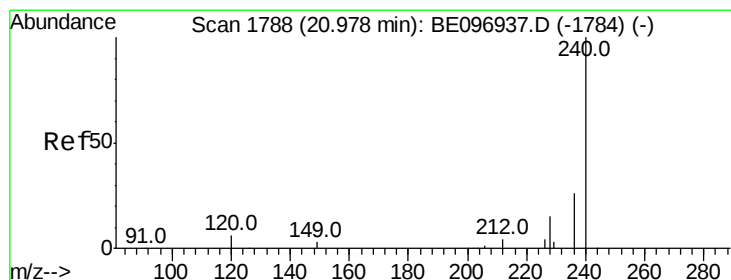
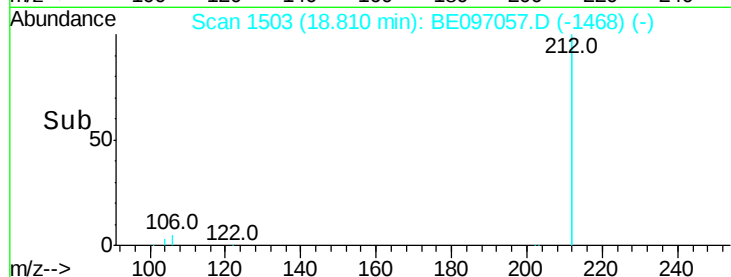
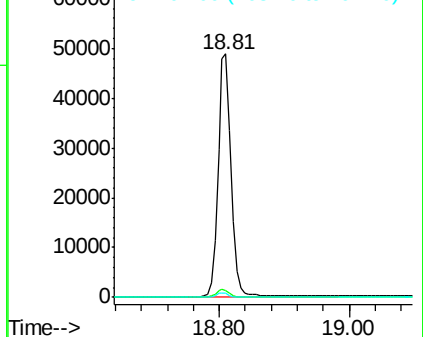
104 1.7 1.6 2.4



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: BE097057.D

Acq: 24 Jul 2018 4:29

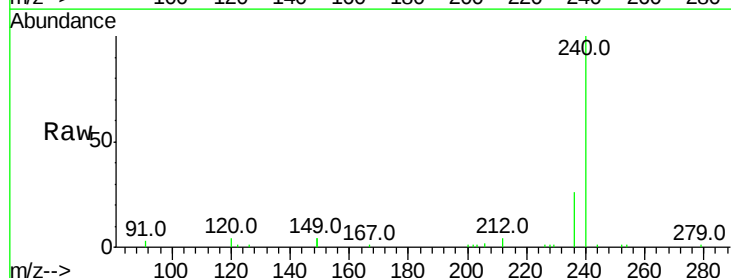
Tgt Ion:240 Resp: 11782

Ion Ratio Lower Upper

240 100

120 4.3 5.5 8.3#

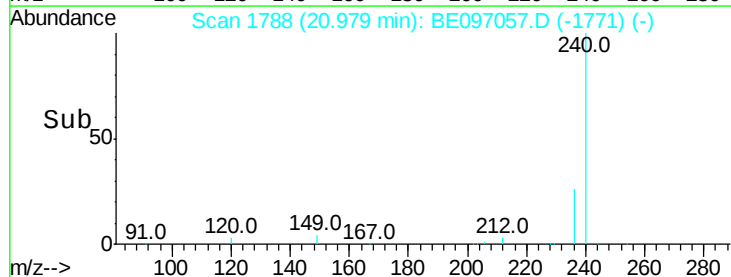
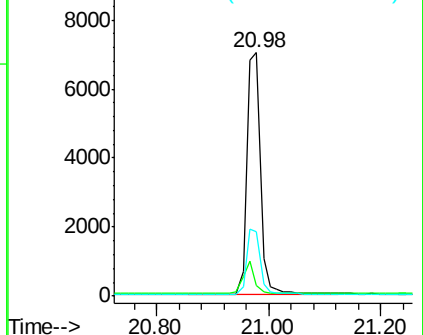
236 26.4 20.7 31.1

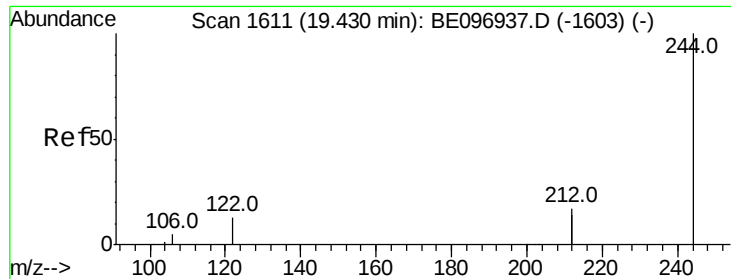


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.631 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097057.D

Acq: 24 Jul 2018 4:29

Instrument :

BNA_E

ClientSampleId :

RE108D1-071718

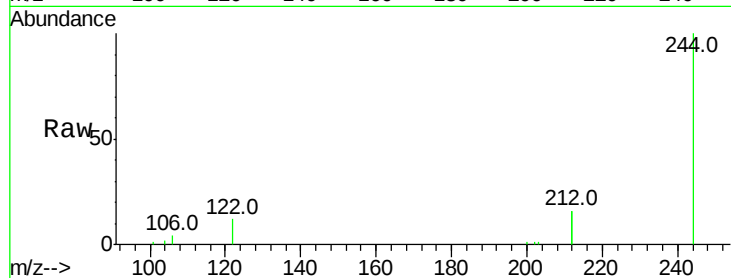
Tot Ion:244 Resp: 14332

Ion Ratio Lower Upper

244 100

212 33.0 25.4 38.0

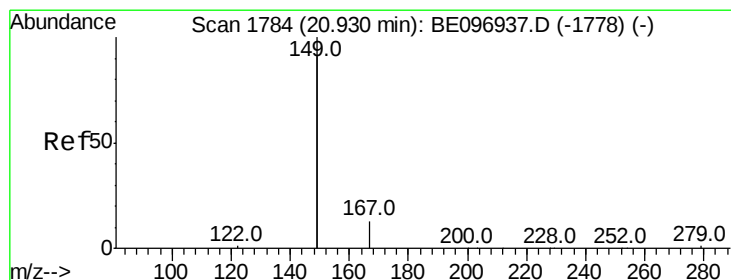
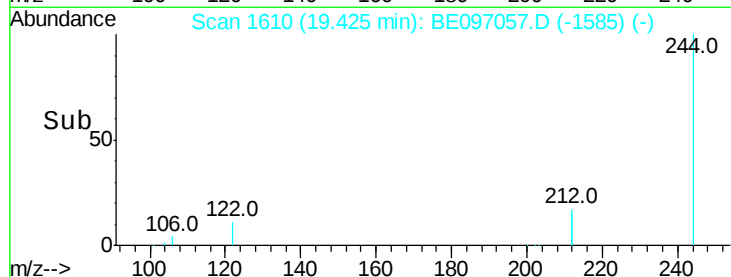
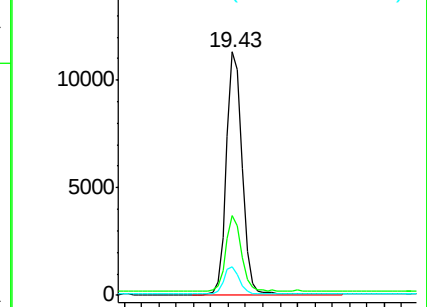
122 11.6 8.1 12.1



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: 0.106 ng

RT: 20.92 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BE097057.D

Acq: 24 Jul 2018 4:29

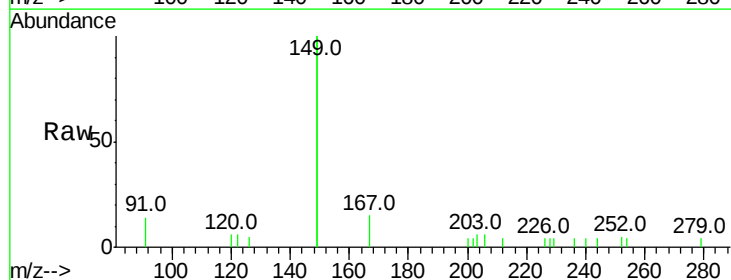
Tgt Ion:149 Resp: 2964

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

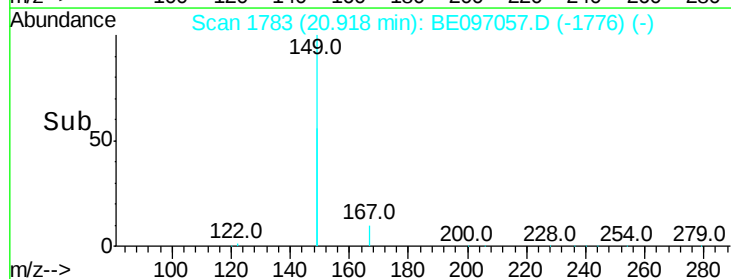
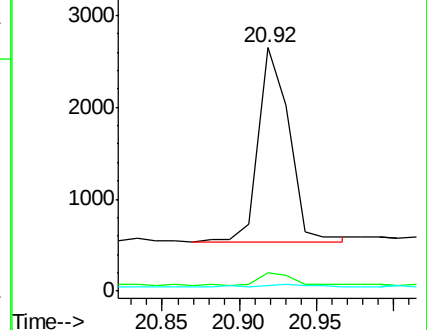
279 1.6 0.7 1.1#

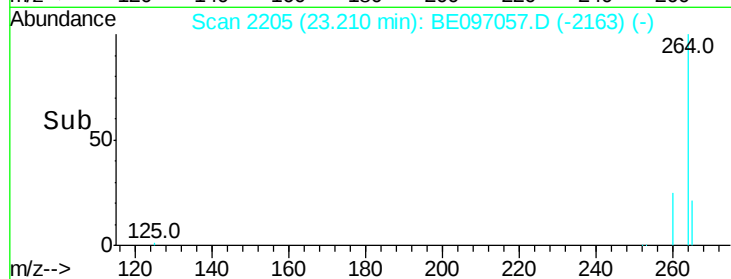
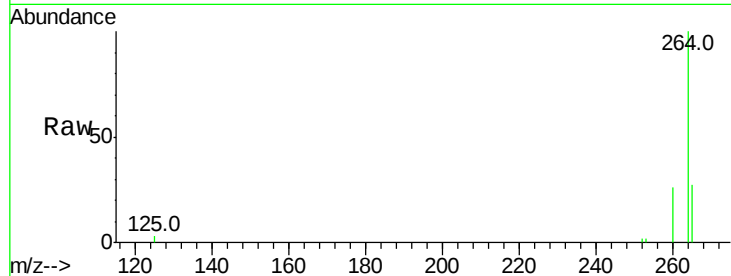
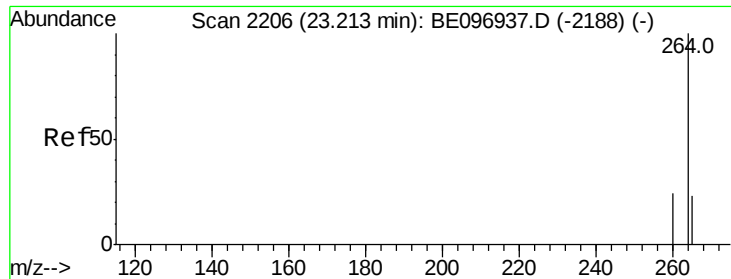


Abundance Ion 149.00 (148.70 to 149.70): E

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: BE097057.D

Acq: 24 Jul 2018 4:29

Instrument :

BNA_E

ClientSampleId :

RE108D1-071718

Tot Ion:264 Resp: 11240

Ion Ratio Lower Upper

264 100

260 26.1 20.5 30.7

265 26.7 22.8 34.2

