

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097044.D
 Acq On : 23 Jul 2018 19:43
 Operator : SJ/JU
 Sample : J4073-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE123D1-071818

Quant Time: Jul 24 06:23:14 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

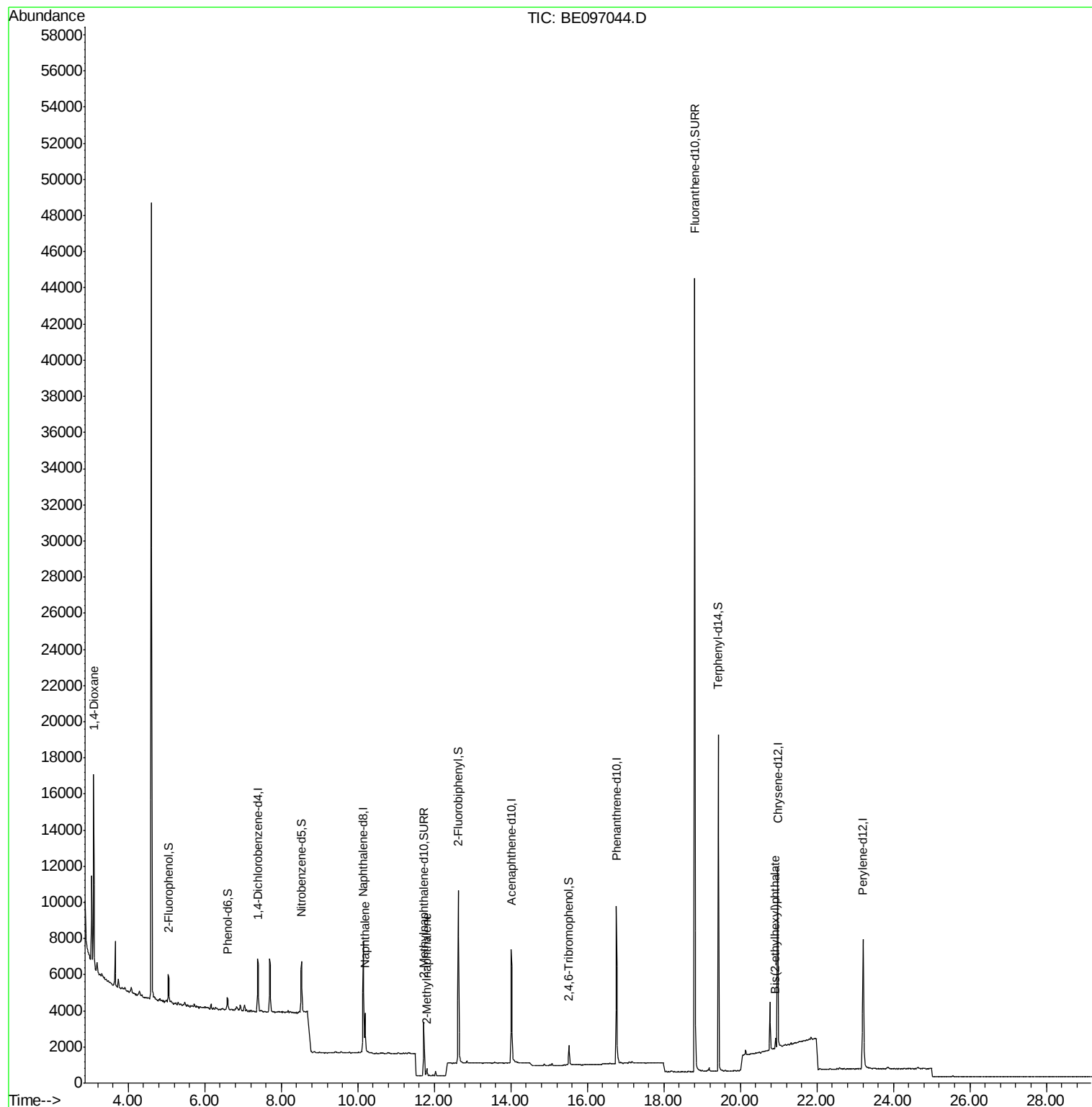
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1389	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6601	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4112	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11722	0.40	ng	0.00
27) Chrysene-d12	20.98	240	10967	0.40	ng	0.00
34) Perylene-d12	23.21	264	10405	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	801	0.24	ng	0.00
5) Phenol-d6	6.61	99	697	0.14	ng	0.00
8) Nitrobenzene-d5	8.53	82	2698	0.56	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4176	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	675	0.68	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	9219	0.60	ng	0.00
25) Fluoranthene-d10	18.81	212	55718	0.55	ng	0.00
29) Terphenyl-d14	19.43	244	15550	0.73	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.09	88	5346	2.689	ng	# 90
9) Naphthalene	10.20	128	3509	0.059	ng	# 95
12) 2-Methylnaphthalene	11.81	142	293	0.029	ng	# 89
32) Bis(2-ethylhexyl)phthalate	20.92	149	845	0.032	ng	# 96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. 0.01 min

Lab File: BE097044.D

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Instrument :

BNA_E

ClientSampleId :

RE123D1-071818

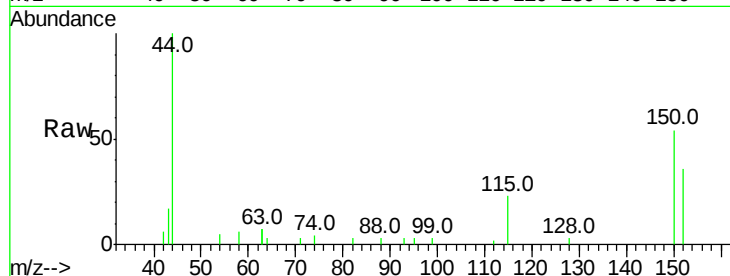
Tot Ion:152 Resp: 1389

Ion Ratio Lower Upper

152 100

150 149.5 117.2 175.8

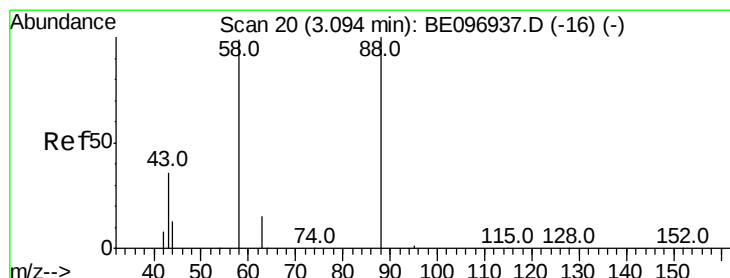
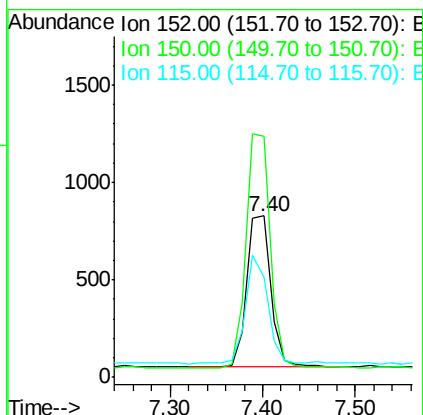
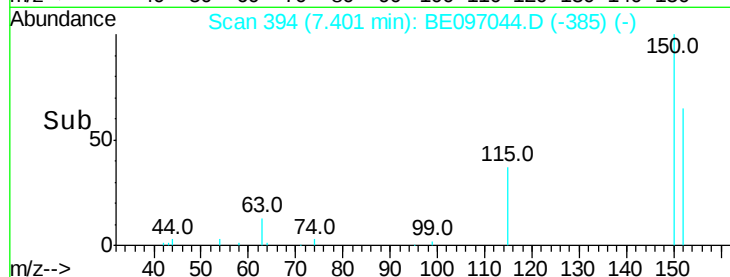
115 62.2 57.0 85.6



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: 2.689 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097044.D

Acq: 23 Jul 2018 19:43

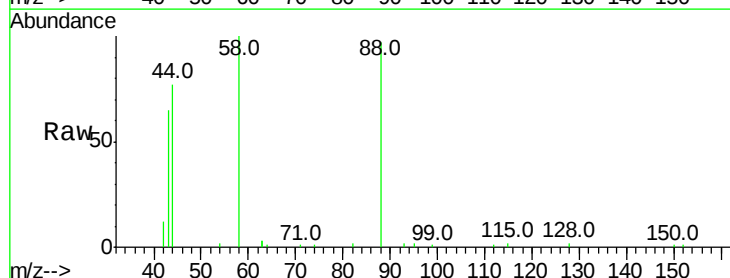
Tgt Ion: 88 Resp: 5346

Ion Ratio Lower Upper

88 100

58 84.7 63.2 94.8

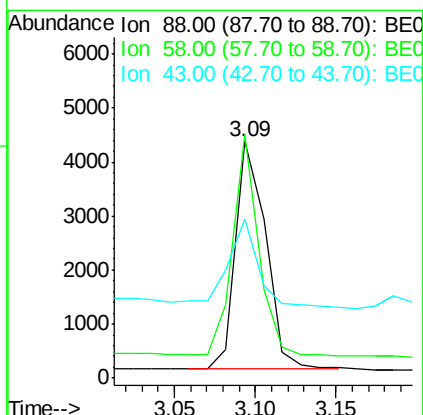
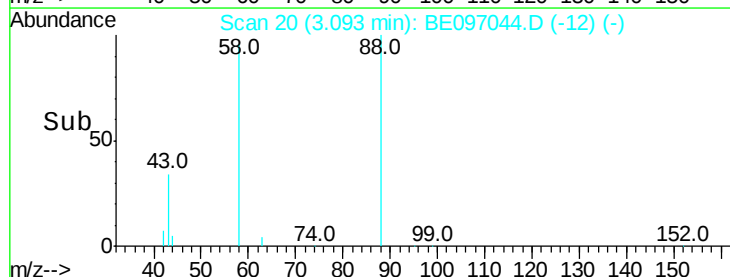
43 40.5 41.2 61.8#



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: 0.241 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097044.D

Acq: 23 Jul 2018 19:43

Instrument :

BNA_E

ClientSampleId :

RE123D1-071818

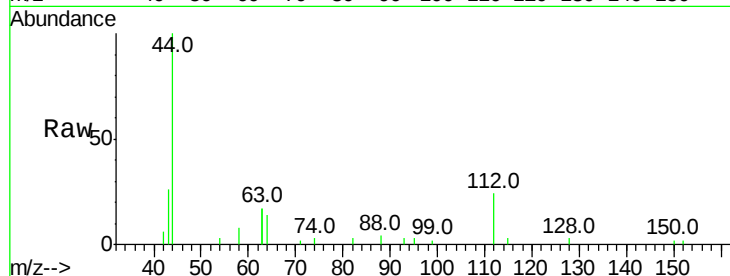
Tot Ion:112 Resp: 801

Ion Ratio Lower Upper

112 100

64 74.0 60.1 90.1

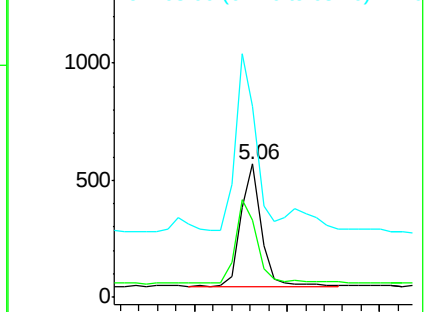
63 145.7 116.8 175.2



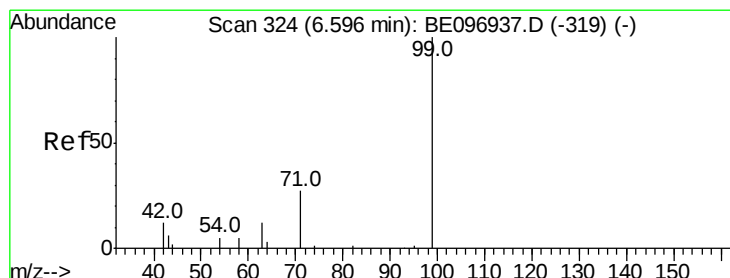
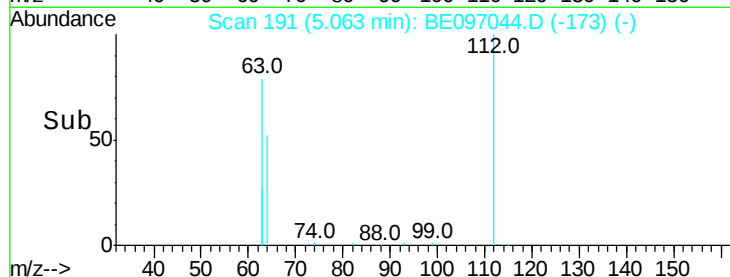
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.137 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097044.D

Acq: 23 Jul 2018 19:43

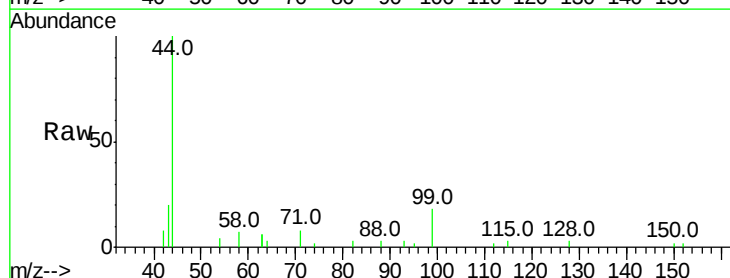
Tgt Ion: 99 Resp: 697

Ion Ratio Lower Upper

99 100

42 24.8 20.2 30.2

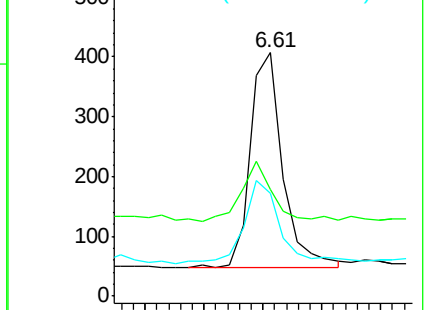
71 42.5 28.4 42.6



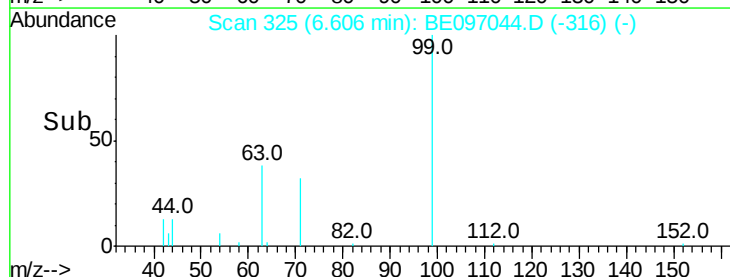
Abundance Ion 99.00 (98.70 to 99.70): BE0

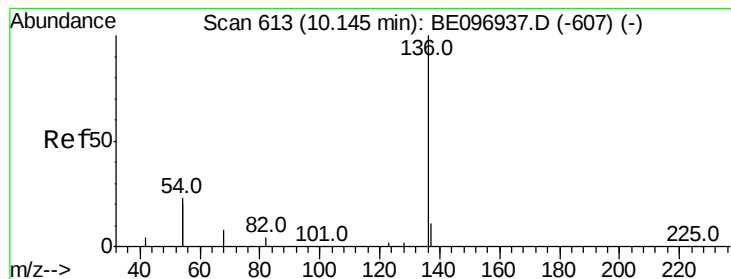
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097044.D

Acq: 23 Jul 2018 19:43

Instrument :

BNA_E

ClientSampleId :

RE123D1-071818

Tot Ion:136 Resp: 6601

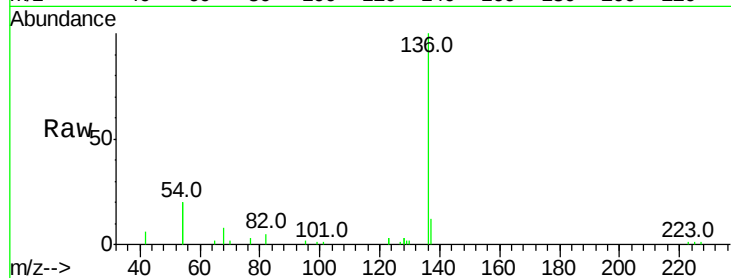
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 40.9 29.1 43.7

68 7.9 6.2 9.2

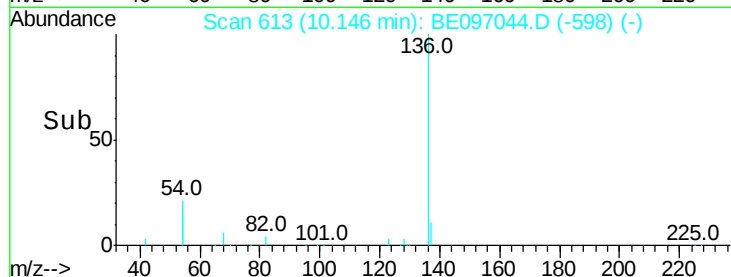


Abundance Ion 136.00 (135.70 to 136.70): E

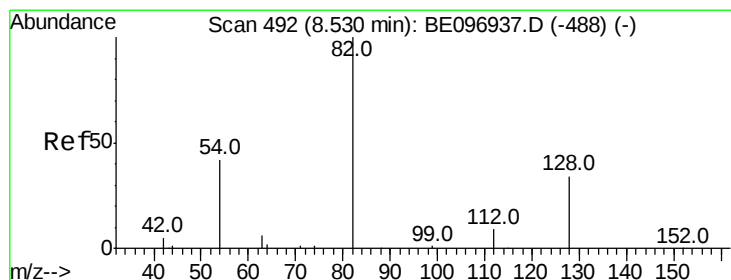
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 10.00 10.10 10.20 10.30



#8

Nitrobenzene-d5

Concen: 0.560 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097044.D

Acq: 23 Jul 2018 19:43

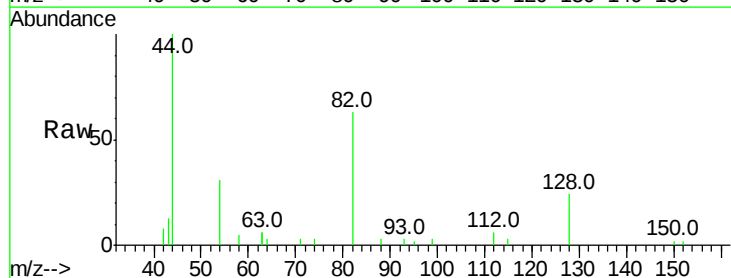
Tgt Ion: 82 Resp: 2698

Ion Ratio Lower Upper

82 100

128 37.7 24.0 36.0#

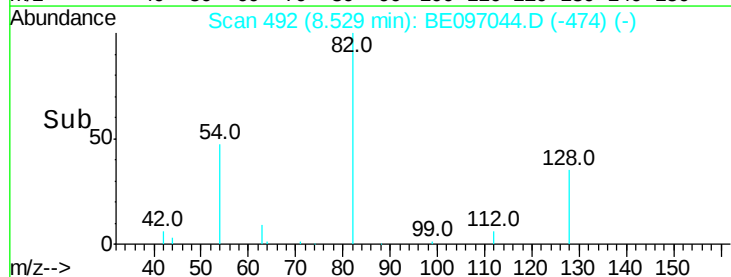
54 49.4 40.0 60.0



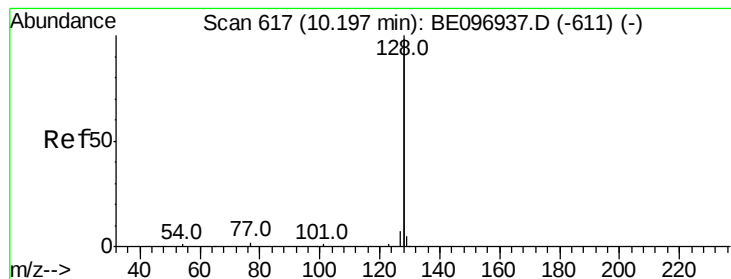
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time--> 8.40 8.50 8.60



#9

Naphthalene

Concen: 0.059 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097044.D

Acq: 23 Jul 2018 19:43

Instrument :

BNA_E

ClientSampleId :

RE123D1-071818

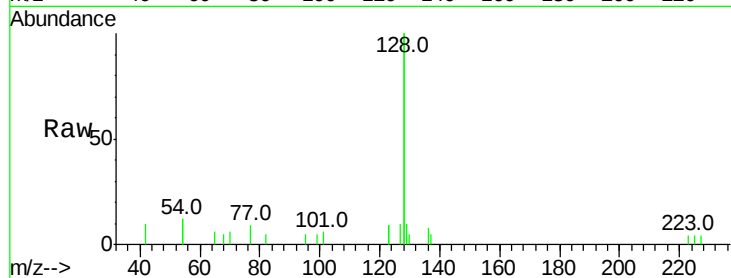
Tot Ion:128 Resp: 3509

Ion Ratio Lower Upper

128 100

129 4.9 2.6 3.8#

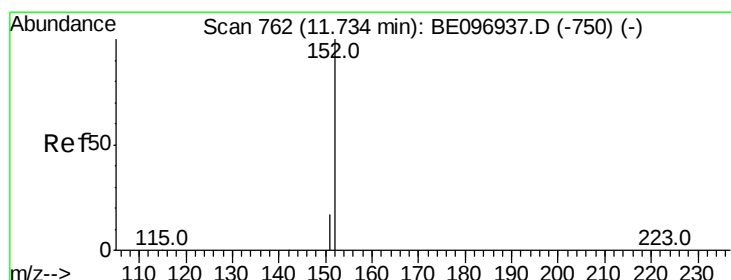
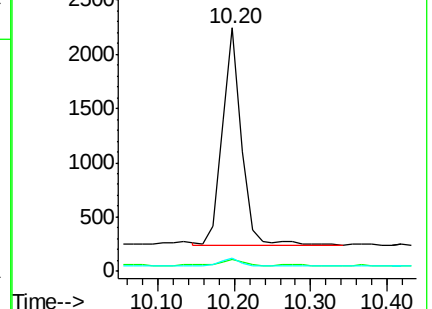
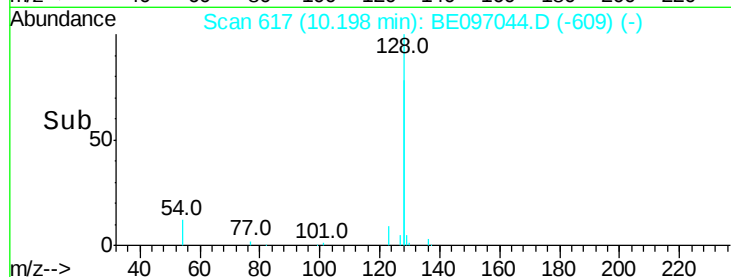
127 5.2 2.8 4.2#



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: 0.434 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097044.D

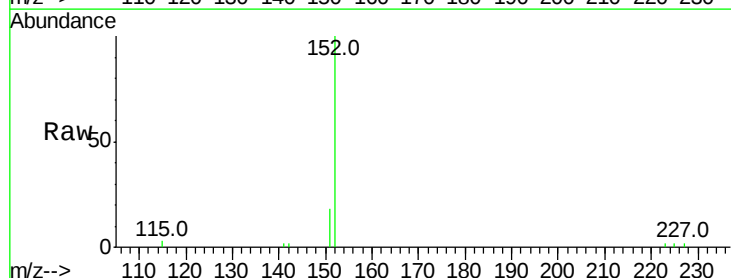
Acq: 23 Jul 2018 19:43

Tgt Ion:152 Resp: 4176

Ion Ratio Lower Upper

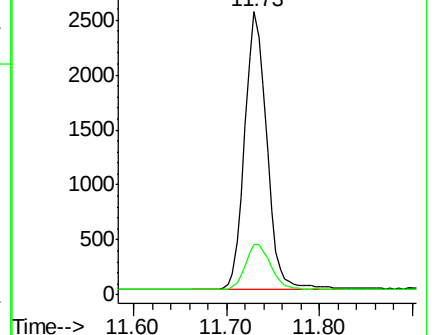
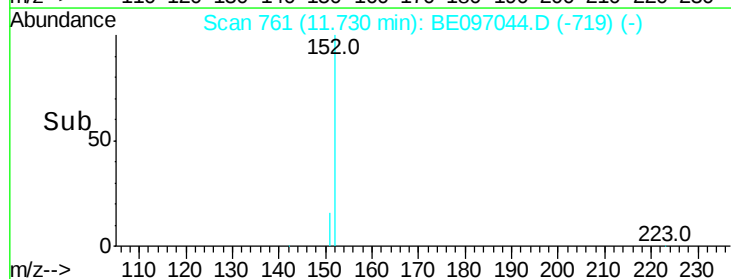
152 100

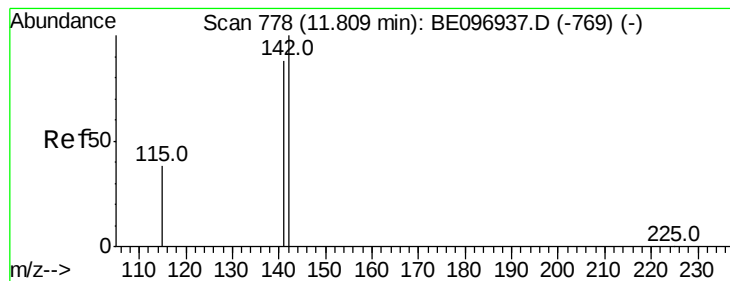
151 18.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.029 ng

RT: 11.81 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097044.D

Acq: 23 Jul 2018 19:43

Instrument :

BNA_E

ClientSampleId :

RE123D1-071818

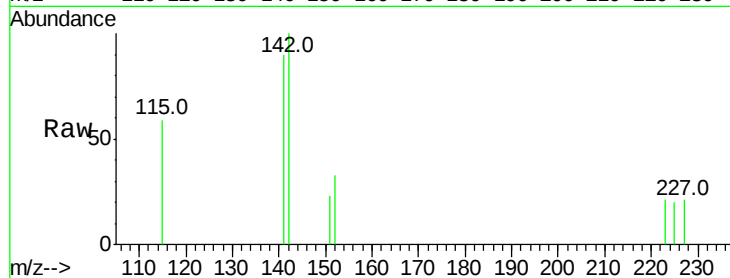
Tot Ion:142 Resp: 293

Ion Ratio Lower Upper

142 100

141 89.7 70.4 105.6

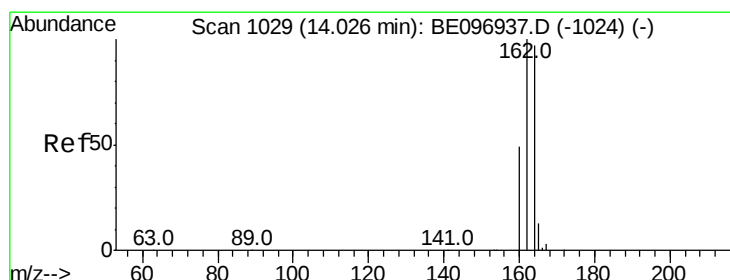
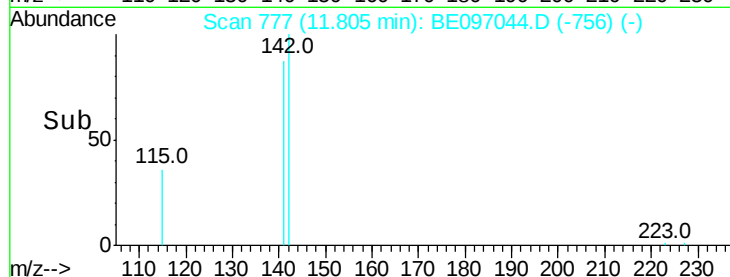
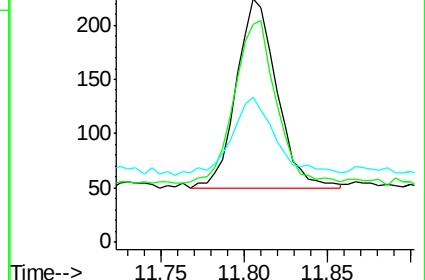
115 59.4 31.7 47.5#



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: 14.01 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE097044.D

Acq: 23 Jul 2018 19:43

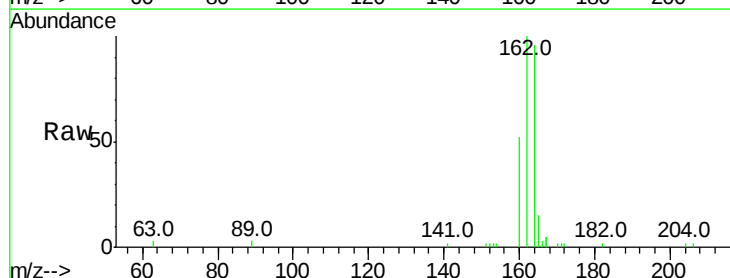
Tgt Ion:164 Resp: 4112

Ion Ratio Lower Upper

164 100

162 103.9 83.1 124.7

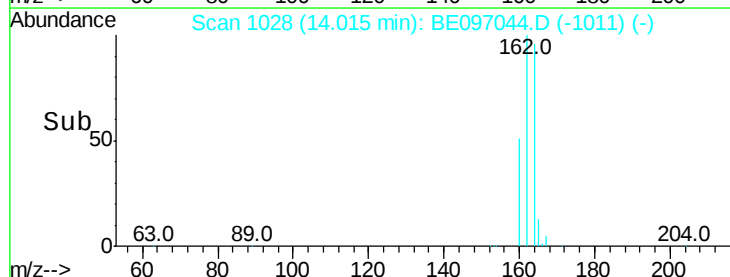
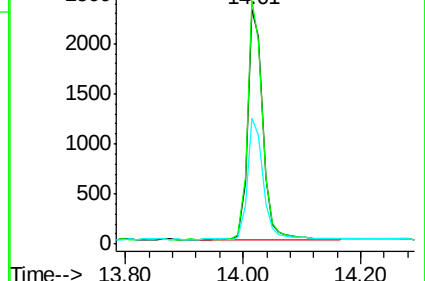
160 53.9 37.1 55.7

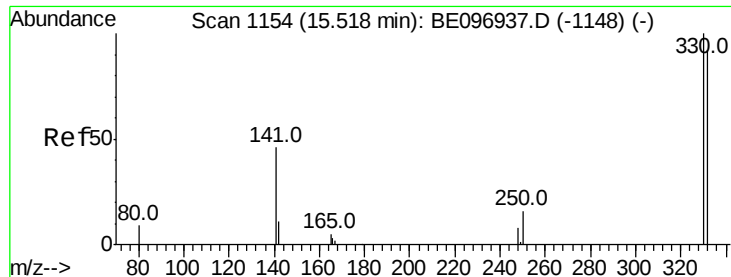


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

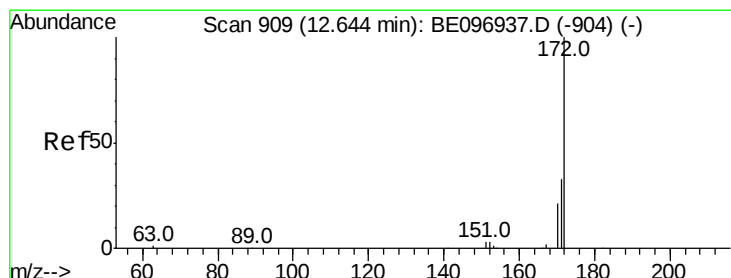
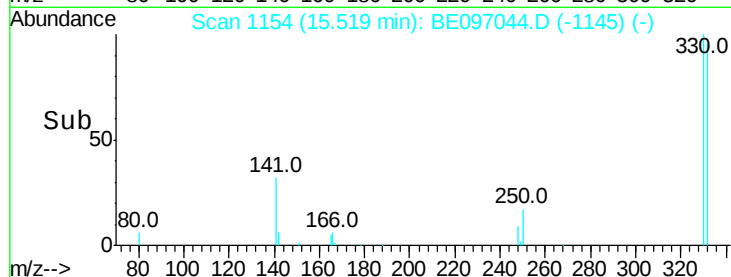
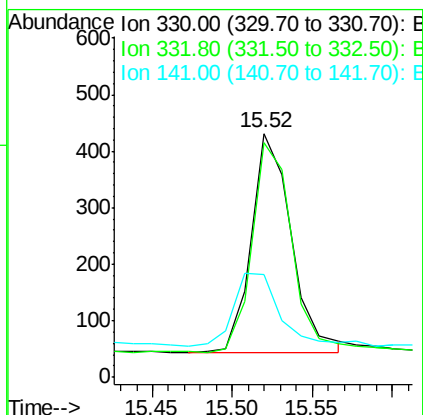
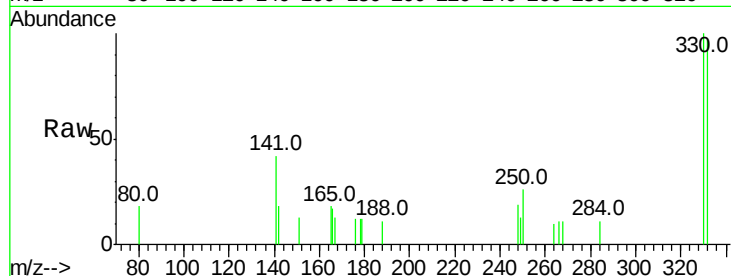




#14
 2,4,6-Tribromophenol
 Concen: 0.678 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097044.D
 Acq: 23 Jul 2018 19:43

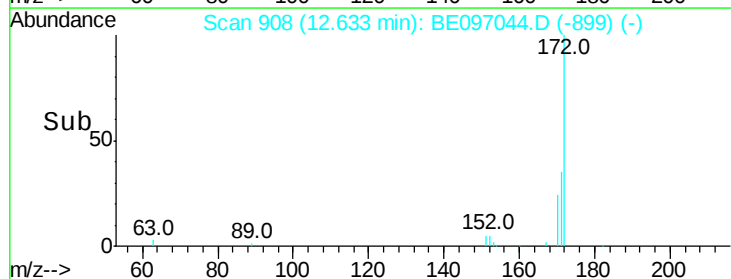
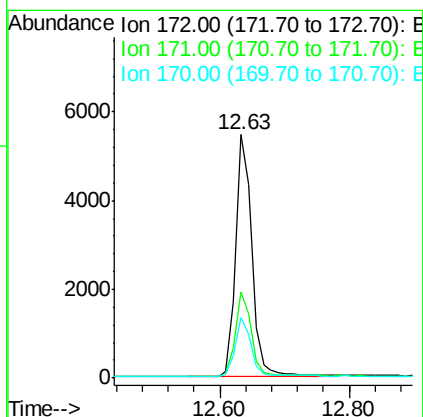
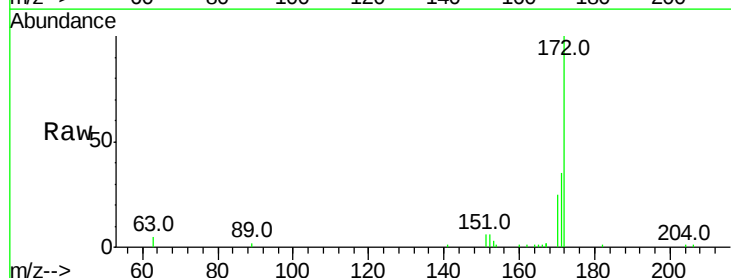
Instrument :
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 RE123D1-071818

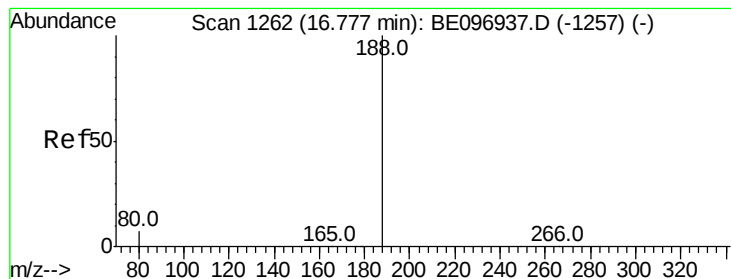
Tot Ion:330 Resp: 675
 Ion Ratio Lower Upper
 330 100
 332 95.6 152.7 229.1#
 141 37.8 33.7 50.5



#15
 2-Fluorobiphenyl
 Concen: 0.603 ng
 RT: 12.63 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: BE097044.D
 Acq: 23 Jul 2018 19:43

Tgt Ion:172 Resp: 9219
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.9 44.9
 170 24.9 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: BE097044.D

Acq: 23 Jul 2018 19:43

Instrument :

BNA_E

ClientSampleId :

RE123D1-071818

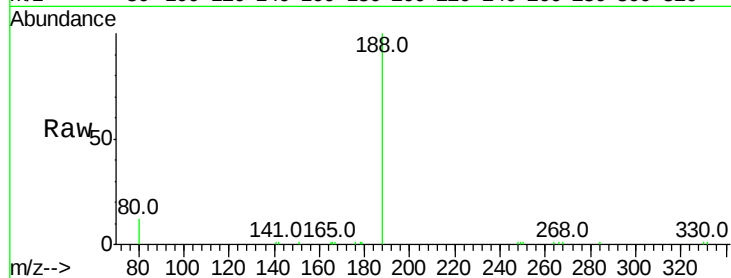
Tot Ion:188 Resp: 11722

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

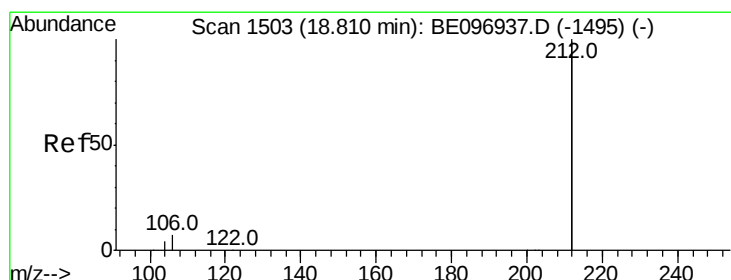
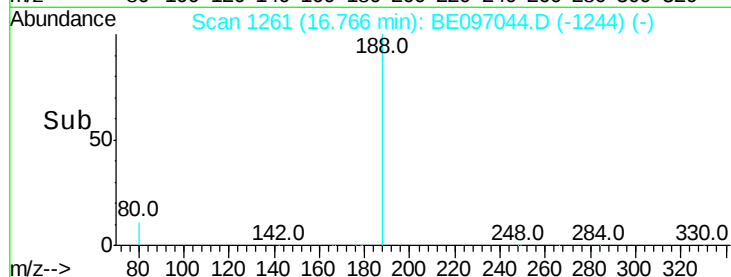
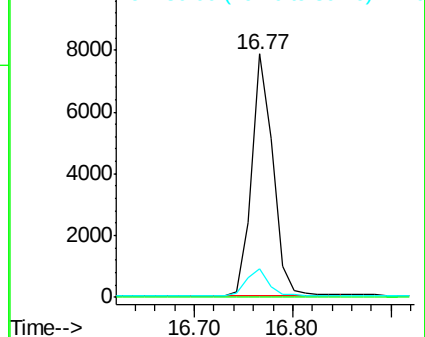
80 11.8 3.6 5.4#



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



#25

Fluoranthene-d10

Concen: 0.546 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097044.D

Acq: 23 Jul 2018 19:43

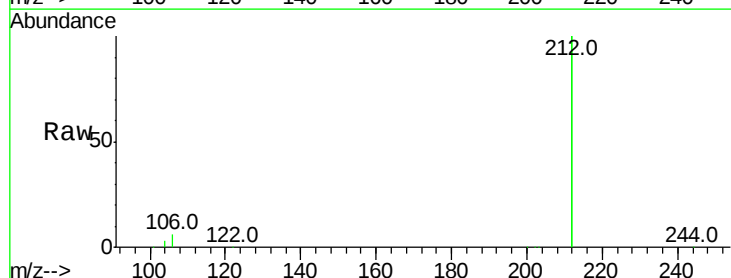
Tgt Ion:212 Resp: 55718

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

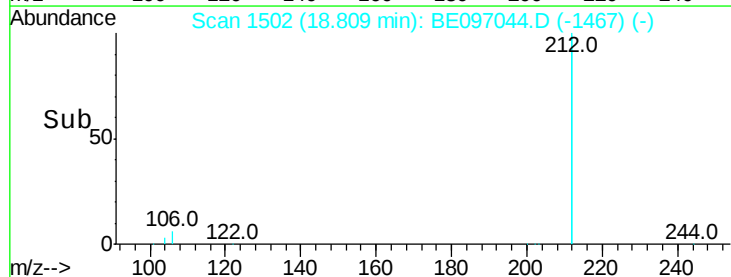
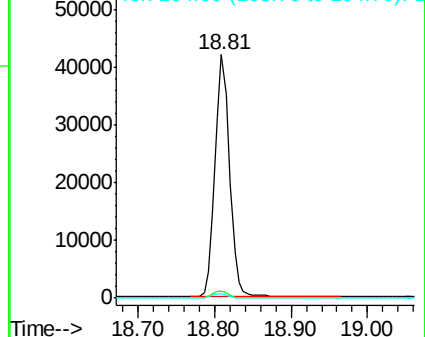
104 1.7 1.6 2.4

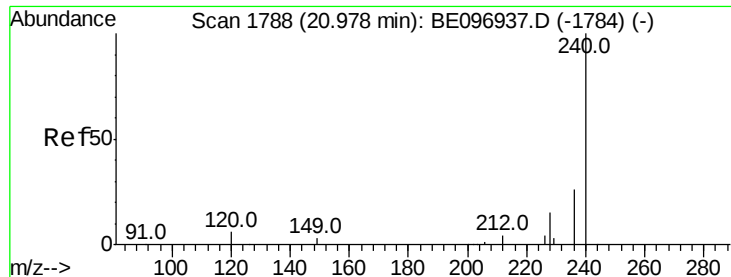


Abundance Ion 212.00 (211.70 to 212.70): E

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# 1787

Delta R.T. 0.00 min

Lab File: BE097044.D

Acq: 23 Jul 2018 19:43

Instrument :

BNA_E

ClientSampleId :

RE123D1-071818

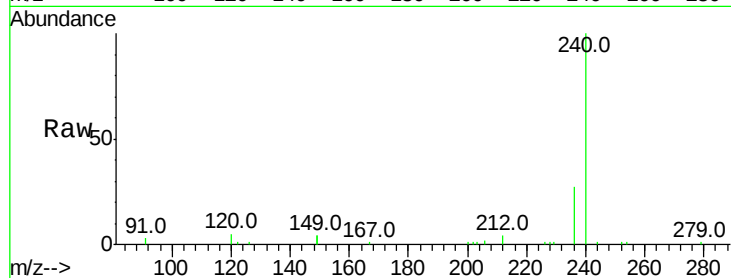
Tot Ion:240 Resp: 10967

Ion Ratio Lower Upper

240 100

120 4.9 5.5 8.3#

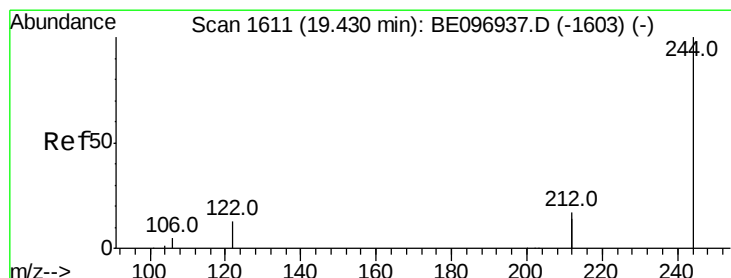
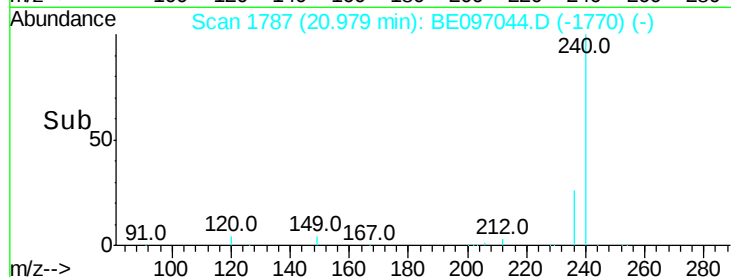
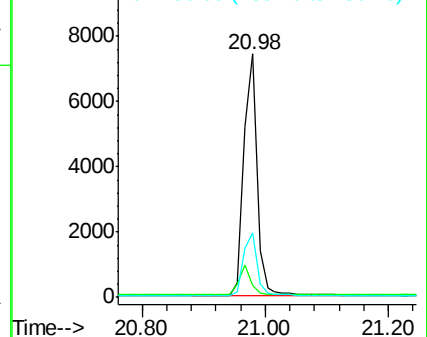
236 26.6 20.7 31.1



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: 0.735 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097044.D

Acq: 23 Jul 2018 19:43

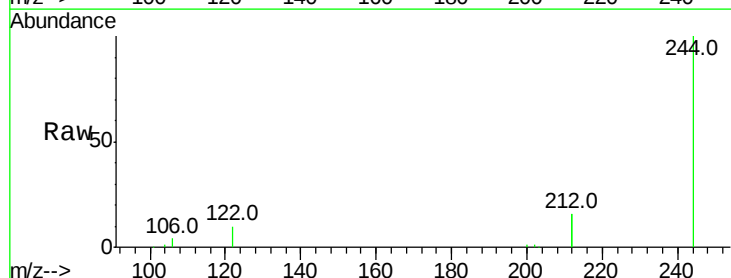
Tgt Ion:244 Resp: 15550

Ion Ratio Lower Upper

244 100

212 32.0 25.4 38.0

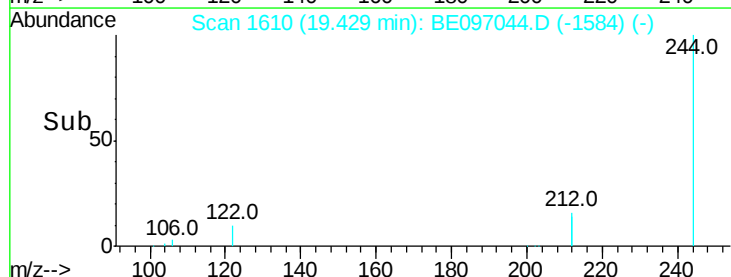
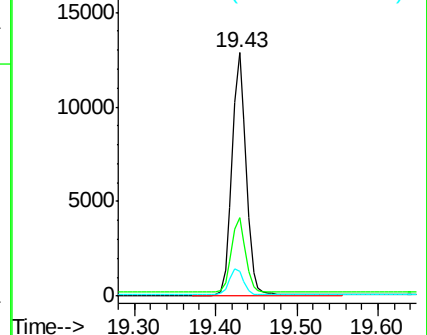
122 10.4 8.1 12.1

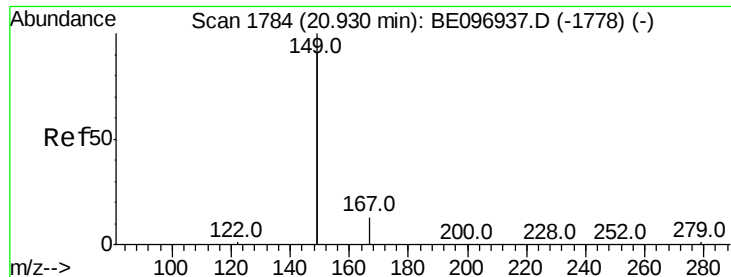


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.032 ng

RT: 20.92 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BE097044.D

Acq: 23 Jul 2018 19:43

Instrument :

BNA_E

ClientSampleId :

RE123D1-071818

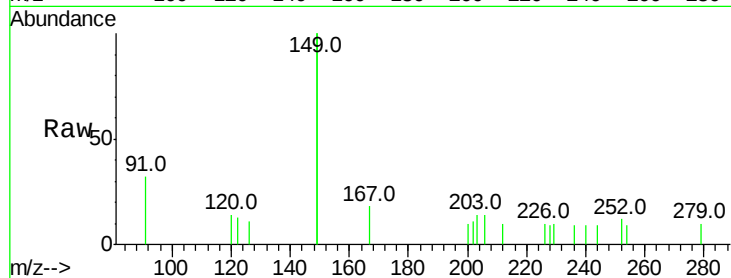
Tot Ion:149 Resp: 845

Ion Ratio Lower Upper

149 100

167 8.0 5.4 8.0#

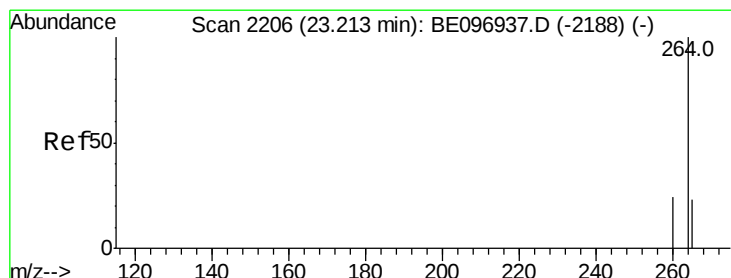
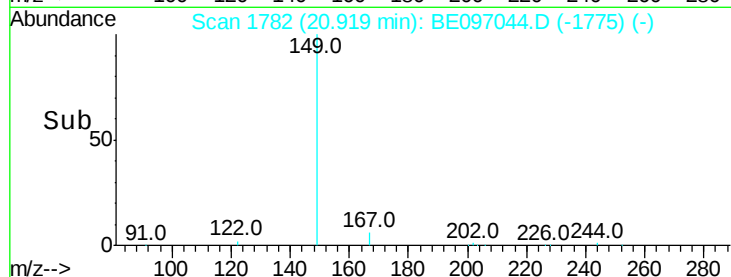
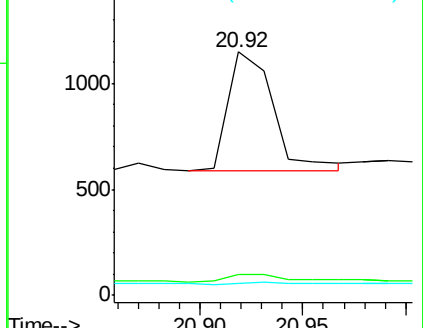
279 2.4 0.7 1.1#



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

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2203

Delta R.T. -0.00 min

Lab File: BE097044.D

Acq: 23 Jul 2018 19:43

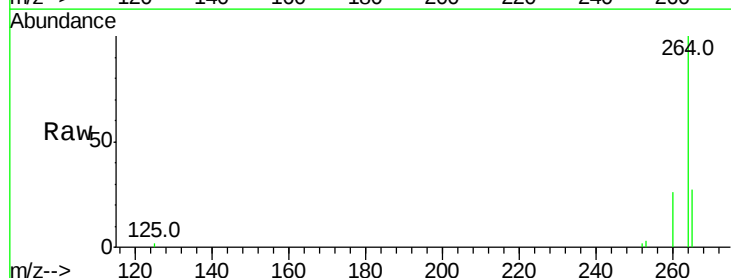
Tgt Ion:264 Resp: 10405

Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

265 27.5 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

