

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096909.D
 Acq On : 13 Jul 2018 16:37
 Operator : SJ/JU
 Sample : J3170-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE125D1-071118

Quant Time: Jul 13 17:29:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 17:02:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2145	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	10326	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5831	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	15804	0.40	ng	0.00
27) Chrysene-d12	20.98	240	15343	0.40	ng	0.00
34) Perylene-d12	23.21	264	15315	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1073	0.22	ng	0.00
5) Phenol-d6	6.59	99	943	0.13	ng	0.00
8) Nitrobenzene-d5	8.53	82	3612	0.58	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	7015	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	830	0.57	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	10467	0.49	ng	0.00
25) Fluoranthene-d10	18.81	212	77795	0.56	ng	0.00
29) Terphenyl-d14	19.43	244	20175	0.68	ng	0.00

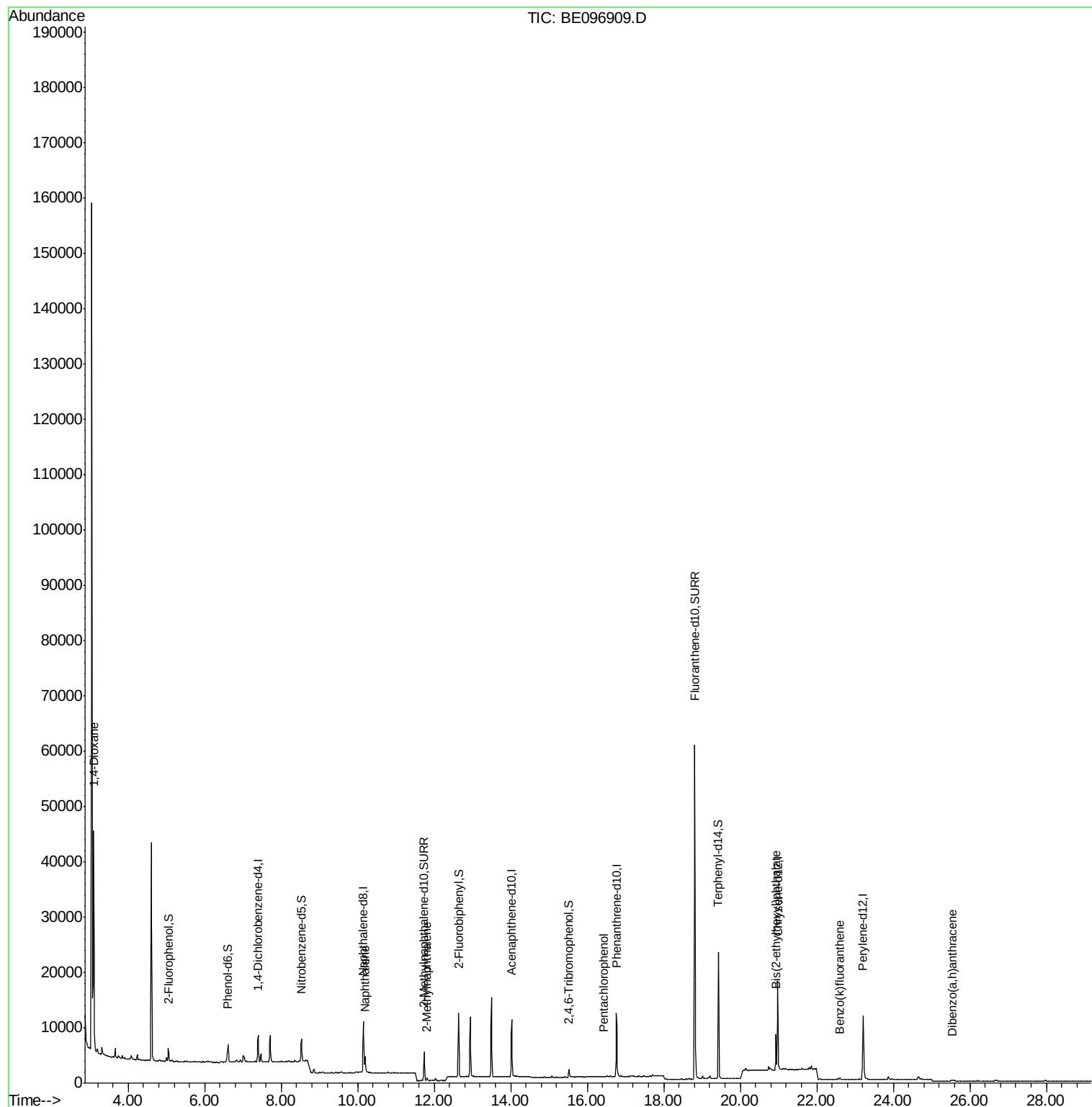
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	19735	6.140	ng	# 90
9) Naphthalene	10.20	128	4469	0.048	ng	# 96
12) 2-Methylnaphthalene	11.81	142	477	0.031	ng	# 88
22) Pentachlorophenol	16.44	266	27	0.058	ng	98
32) Bis(2-ethylhexyl)phthalate	20.93	149	6827	0.224	ng	99
36) Benzo(k)fluoranthene	22.58	252	242	0.087	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	163	0.113	ng	# 1

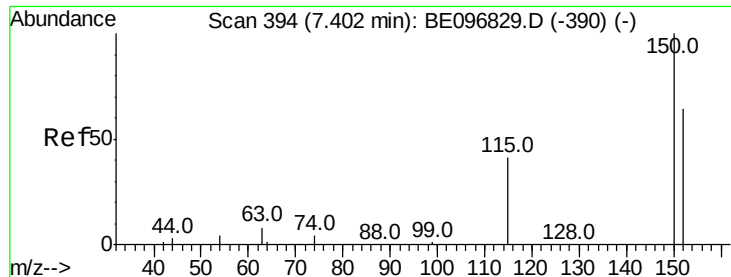
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. 0.01 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

Instrument :

BNA_E

ClientSampleId :

RE125D1-071118

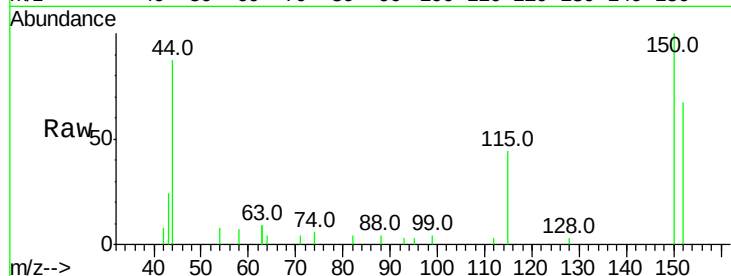
Tot Ion:152 Resp: 2145

Ion Ratio Lower Upper

152 100

150 150.0 117.2 175.8

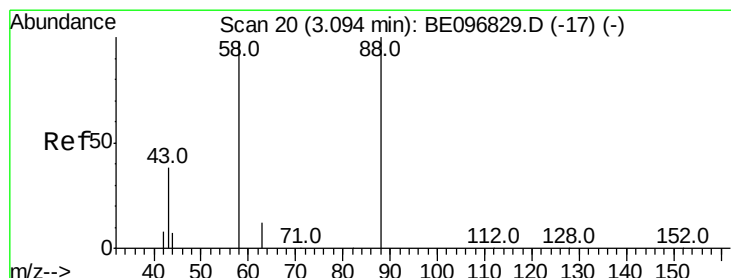
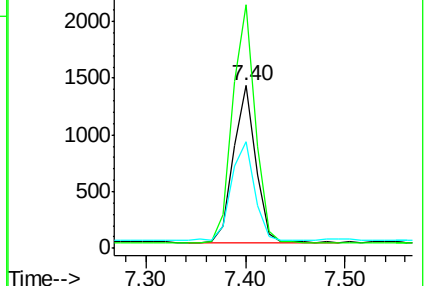
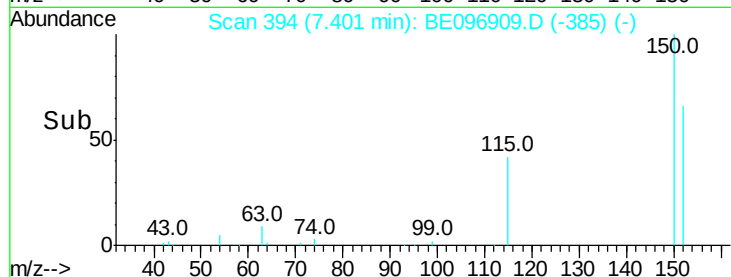
115 65.8 57.0 85.6



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



#2

1,4-Dioxane

Concen: 6.140 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

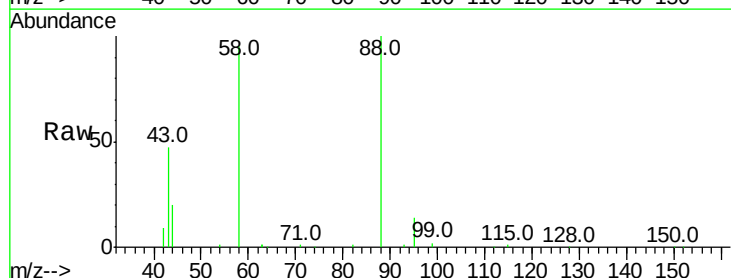
Tgt Ion: 88 Resp: 19735

Ion Ratio Lower Upper

88 100

58 80.6 63.2 94.8

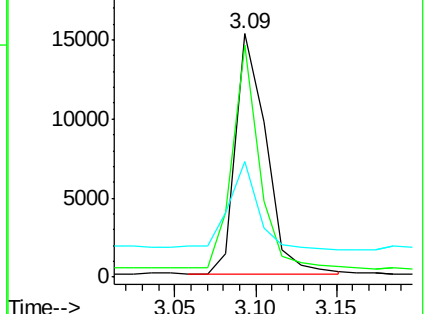
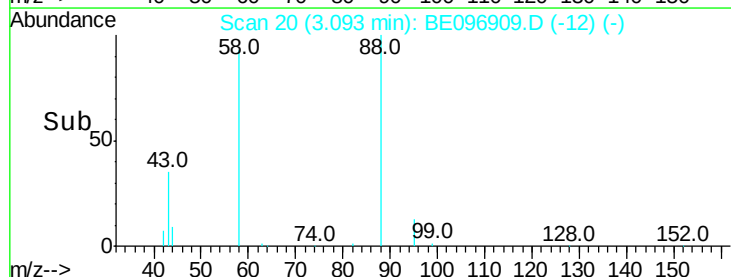
43 35.9 41.2 61.8#

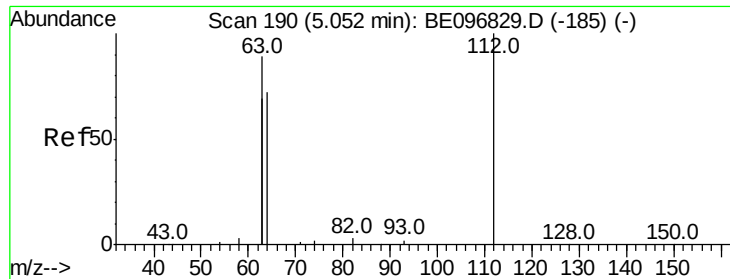


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.224 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

Instrument :

BNA_E

ClientSampleId :

RE125D1-071118

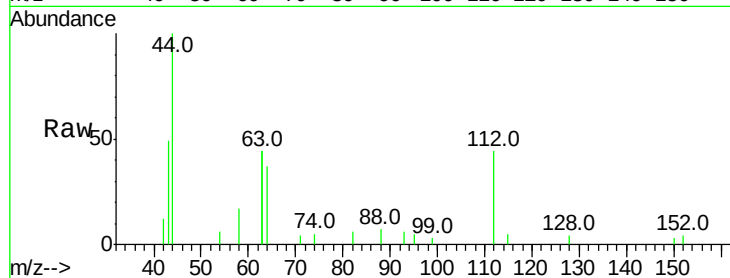
Tot Ion:112 Resp: 1073

Ion Ratio Lower Upper

112 100

64 69.5 60.1 90.1

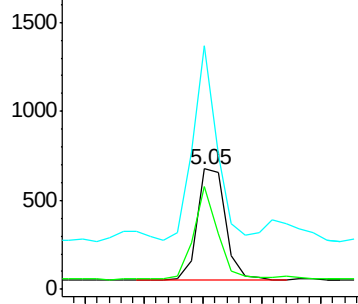
63 145.2 116.8 175.2



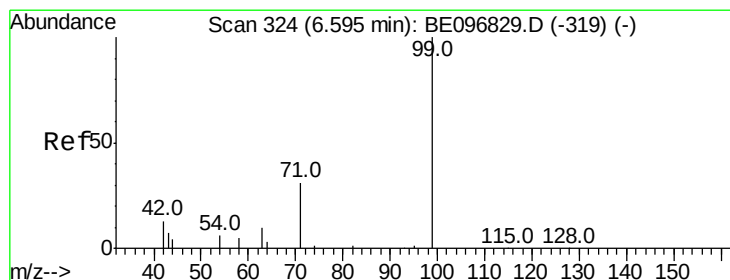
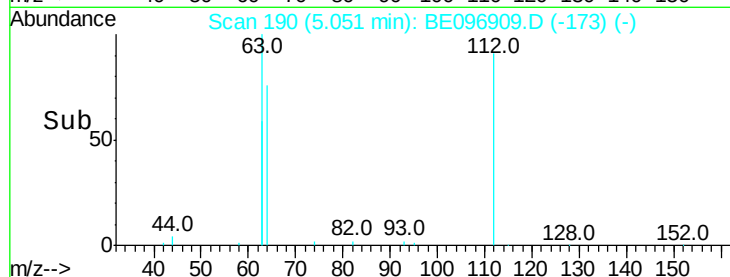
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.132 ng

RT: 6.59 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

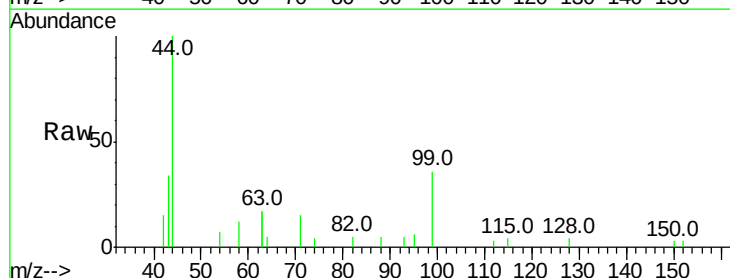
Tgt Ion: 99 Resp: 943

Ion Ratio Lower Upper

99 100

42 43.7 20.2 30.2#

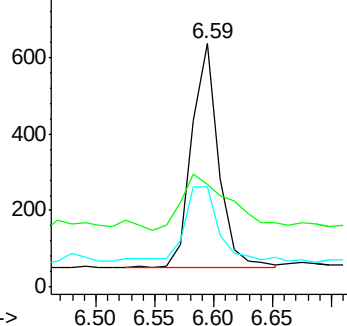
71 41.9 28.4 42.6



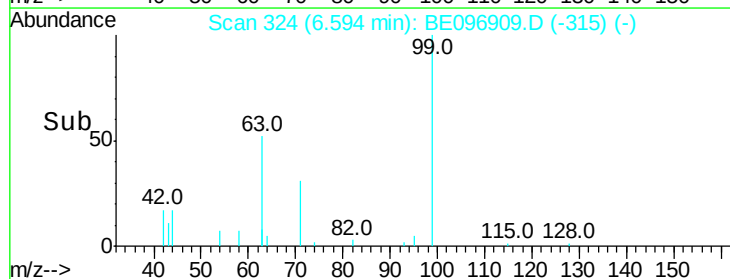
Abundance Ion 99.00 (98.70 to 99.70): BE0

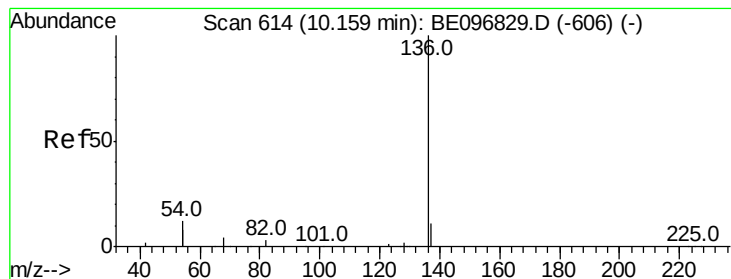
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

Instrument :

BNA_E

ClientSampleId :

RE125D1-071118

Tot Ion:136 Resp: 10326

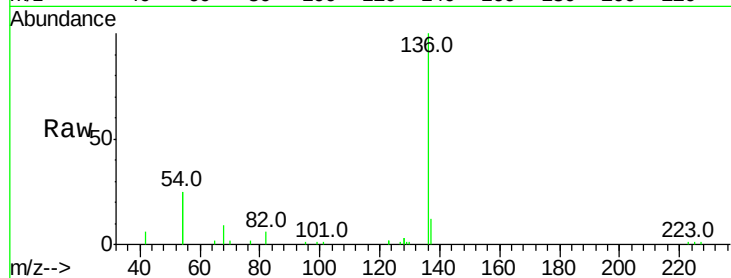
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 49.3 29.1 43.7#

68 9.3 6.2 9.2#

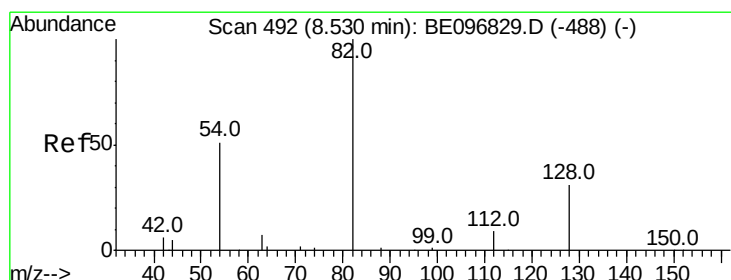
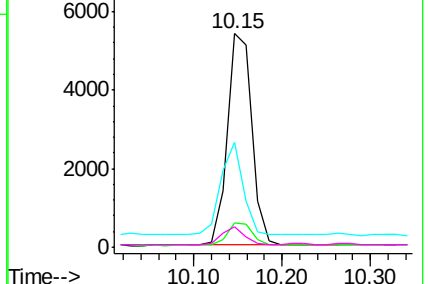
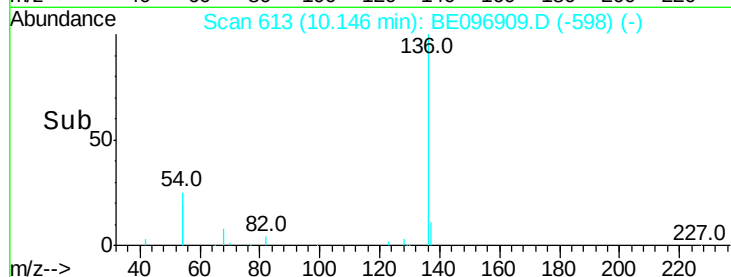


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.578 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

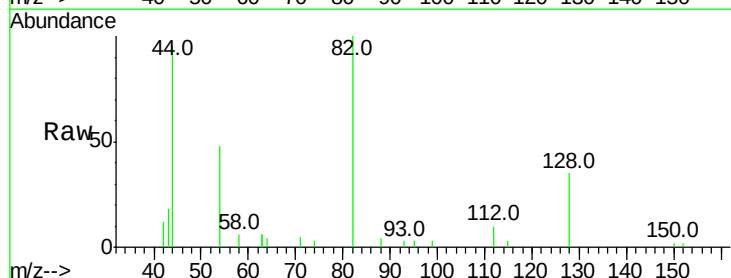
Tgt Ion: 82 Resp: 3612

Ion Ratio Lower Upper

82 100

128 35.0 24.0 36.0

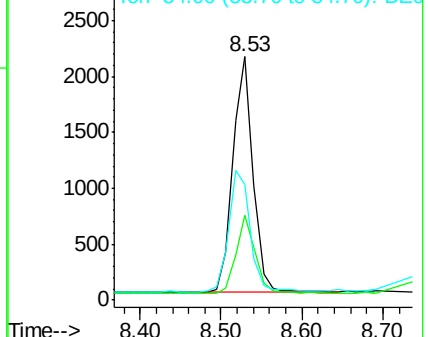
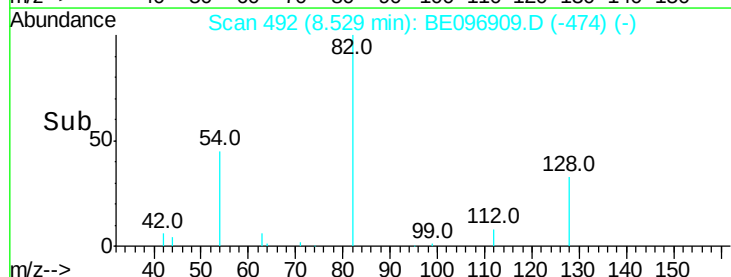
54 47.5 40.0 60.0

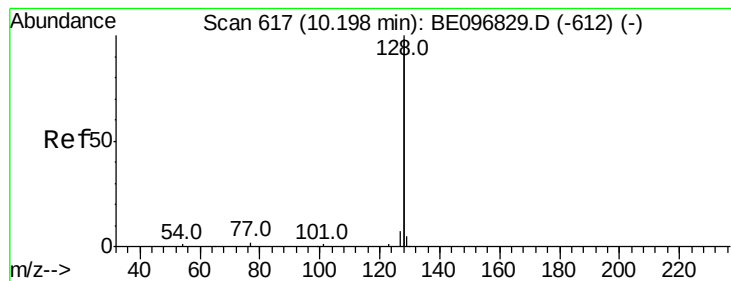


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.048 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

Instrument :

BNA_E

ClientSampleId :

RE125D1-071118

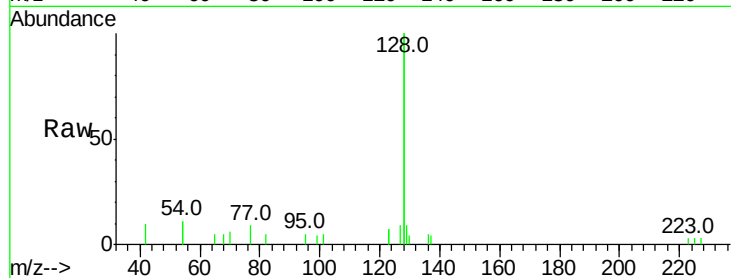
Tot Ion:128 Resp: 4469

Ion Ratio Lower Upper

128 100

129 4.6 2.6 3.8#

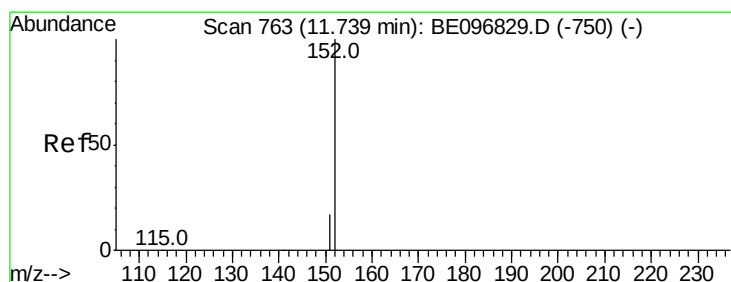
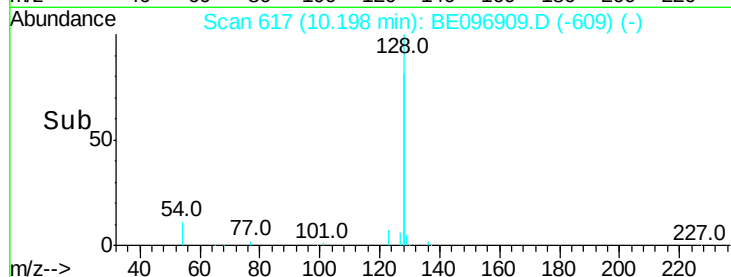
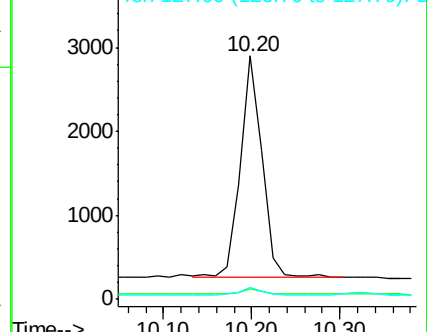
127 4.7 2.8 4.2#



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: 0.472 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096909.D

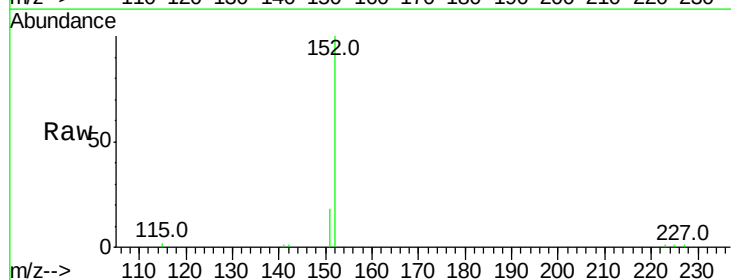
Acq: 13 Jul 2018 16:37

Tgt Ion:152 Resp: 7015

Ion Ratio Lower Upper

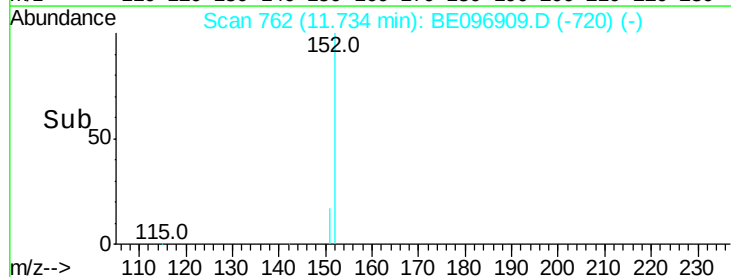
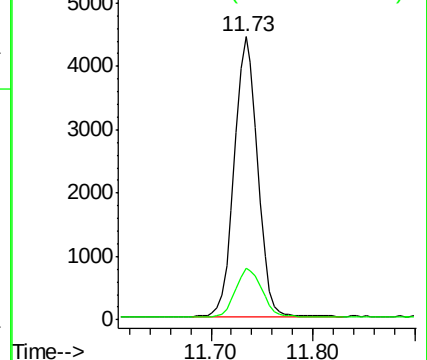
152 100

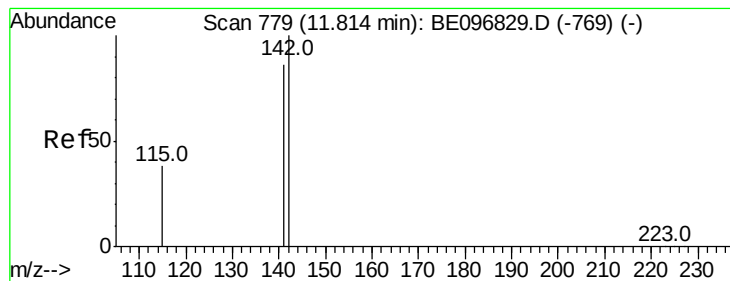
151 19.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.031 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

Instrument :

BNA_E

ClientSampleId :

RE125D1-071118

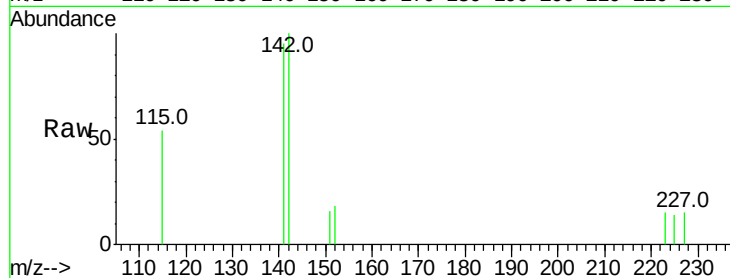
Tot Ion:142 Resp: 477

Ion Ratio Lower Upper

142 100

141 94.8 70.4 105.6

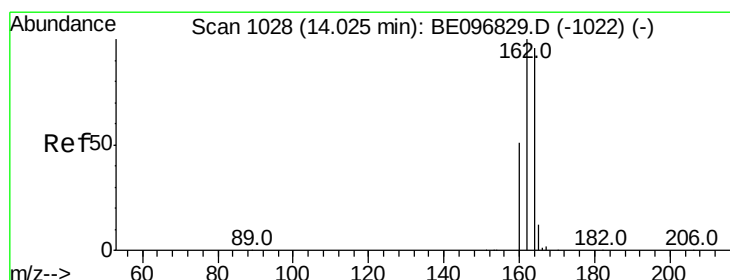
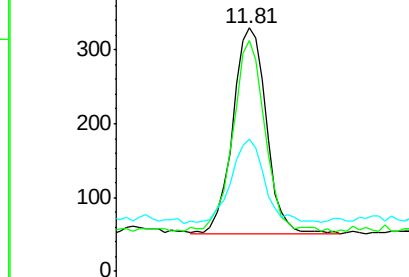
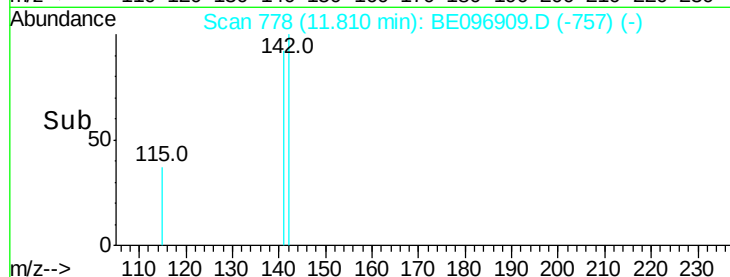
115 54.2 31.7 47.5#



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: 14.03 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

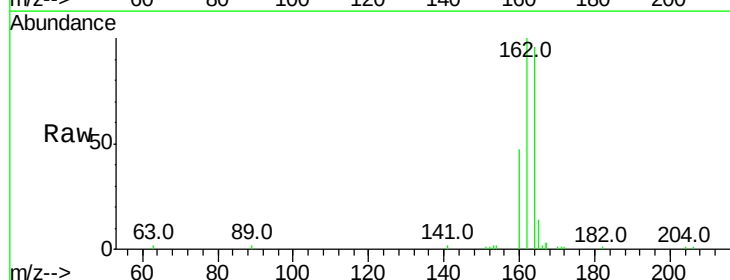
Tgt Ion:164 Resp: 5831

Ion Ratio Lower Upper

164 100

162 104.2 83.1 124.7

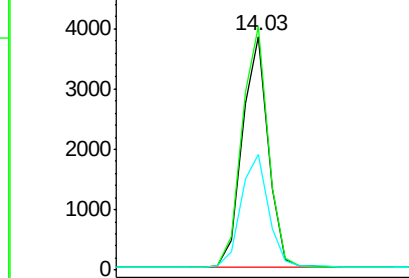
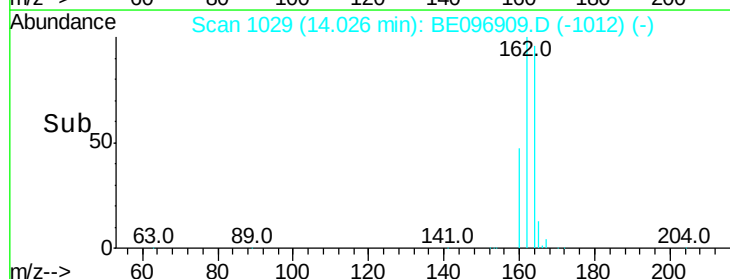
160 49.5 37.1 55.7

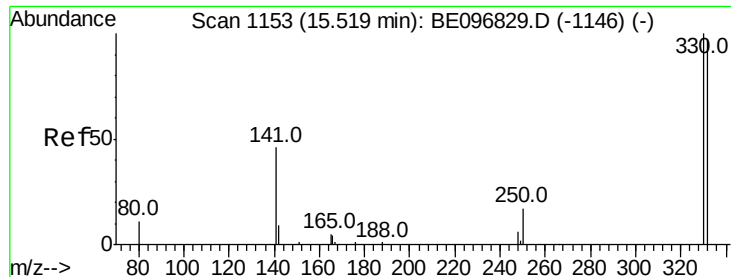


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.570 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

Instrument :

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RE125D1-071118

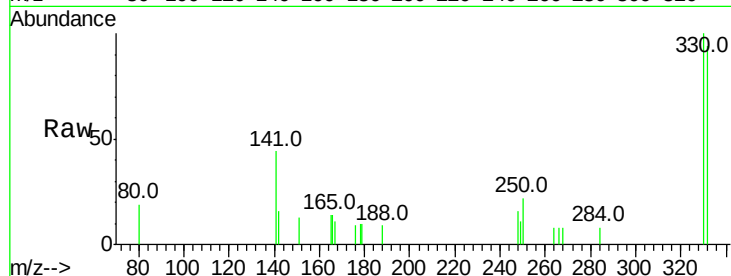
Tot Ion:330 Resp: 830

Ion Ratio Lower Upper

330 100

332 96.1 152.7 229.1#

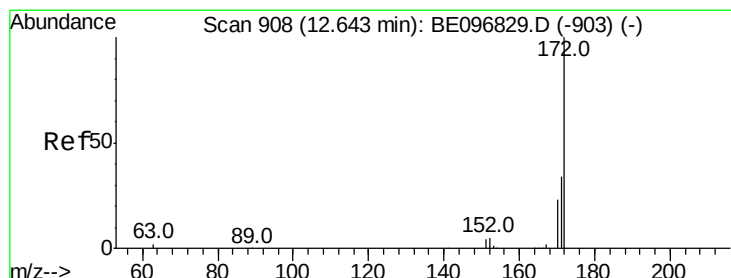
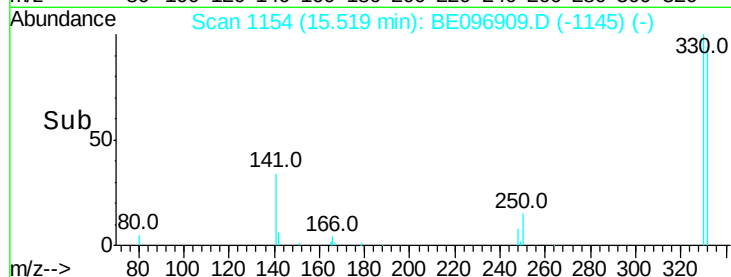
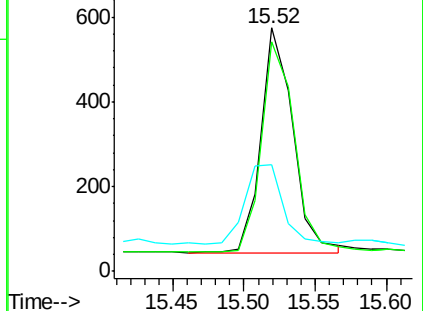
141 41.0 33.7 50.5



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: 0.491 ng

RT: 12.64 min Scan# 909

Delta R.T. -0.00 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

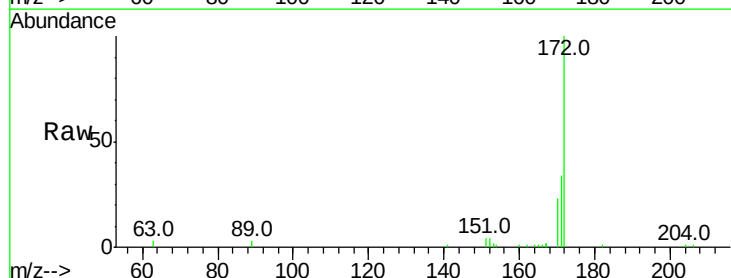
Tgt Ion:172 Resp: 10467

Ion Ratio Lower Upper

172 100

171 33.5 29.9 44.9

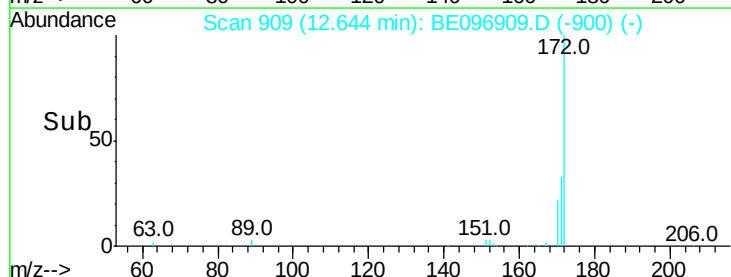
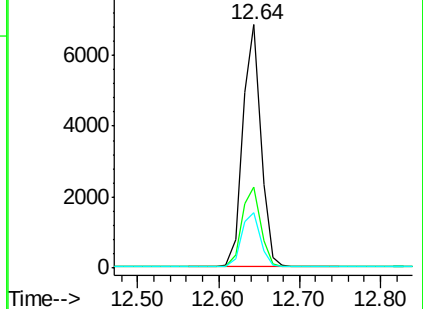
170 22.9 21.8 32.8

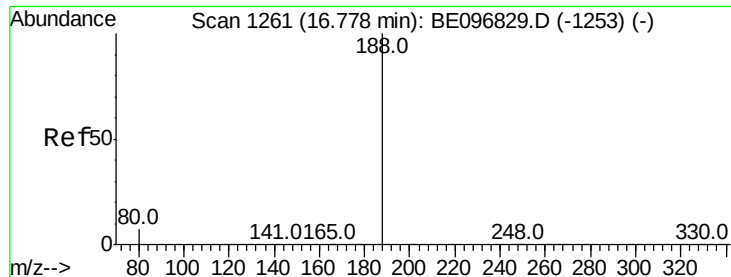


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

Instrument :

BNA_E

ClientSampleId :

RE125D1-071118

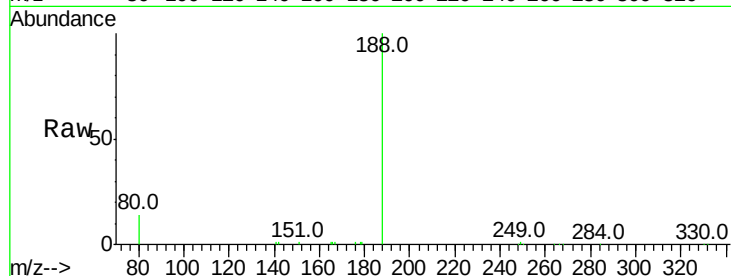
Tot Ion:188 Resp: 15804

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

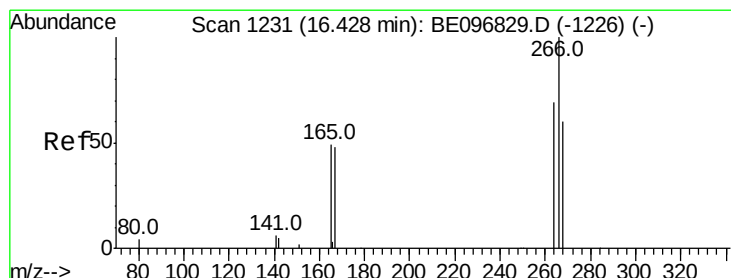
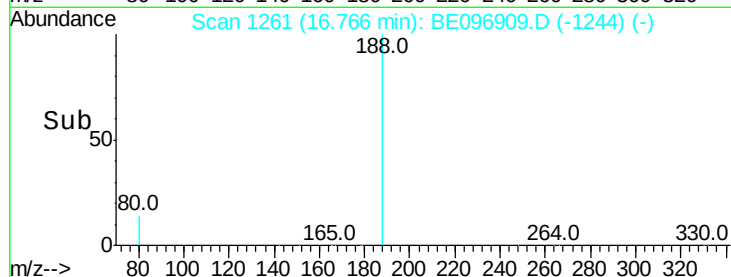
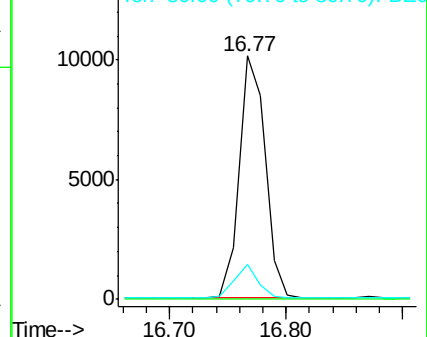
80 14.4 3.6 5.4#



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: 0.058 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

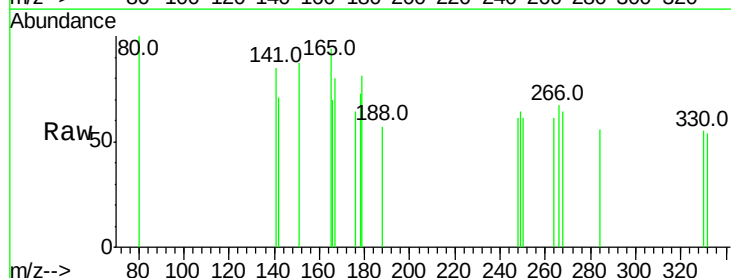
Tgt Ion:266 Resp: 27

Ion Ratio Lower Upper

266 100

264 91.1 72.5 108.7

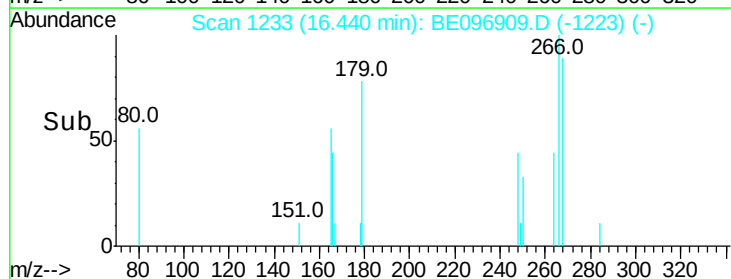
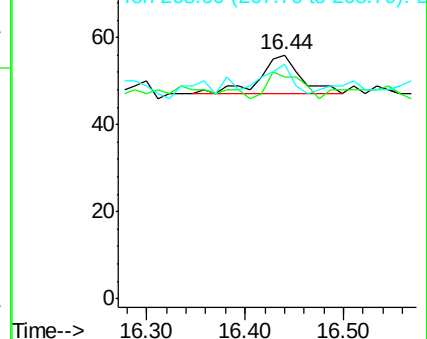
268 96.4 73.8 110.6

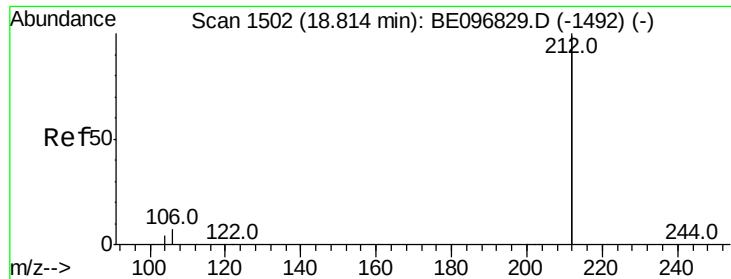


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.559 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

Instrument :

BNA_E

ClientSampleId :

RE125D1-071118

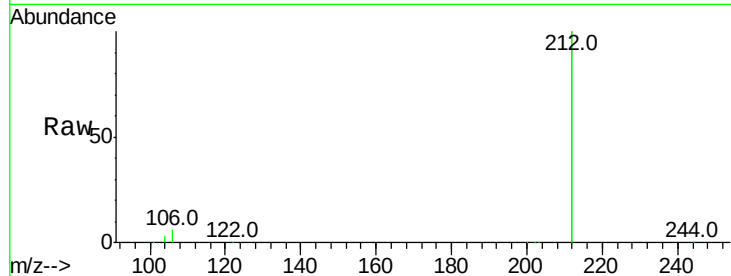
Tot Ion:212 Resp: 77795

Ion Ratio Lower Upper

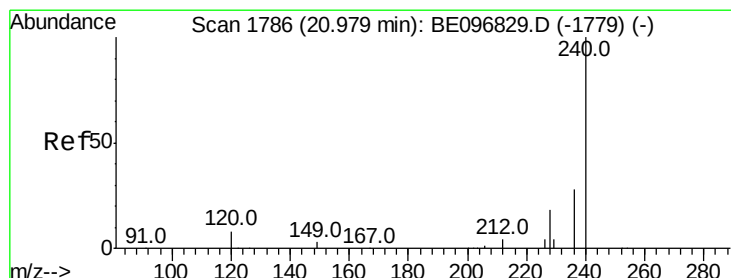
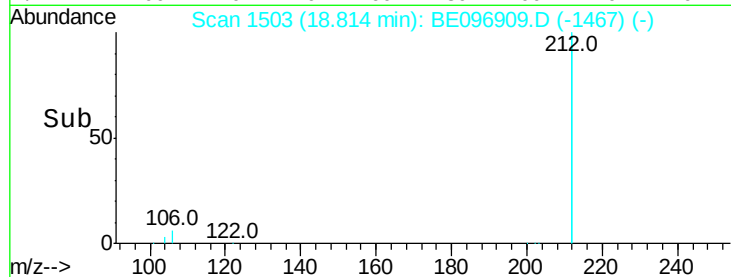
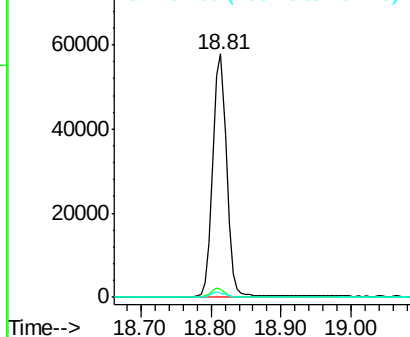
212 100

106 3.7 2.8 4.2

104 1.9 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: BE096909.D

Acq: 13 Jul 2018 16:37

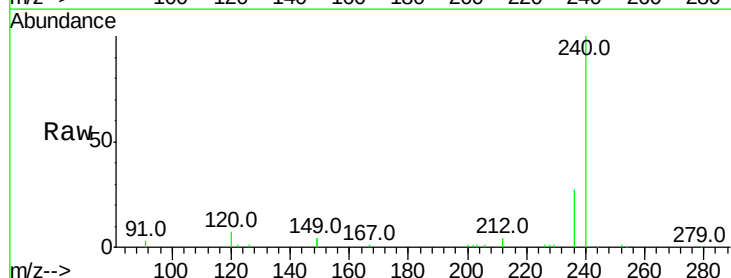
Tgt Ion:240 Resp: 15343

Ion Ratio Lower Upper

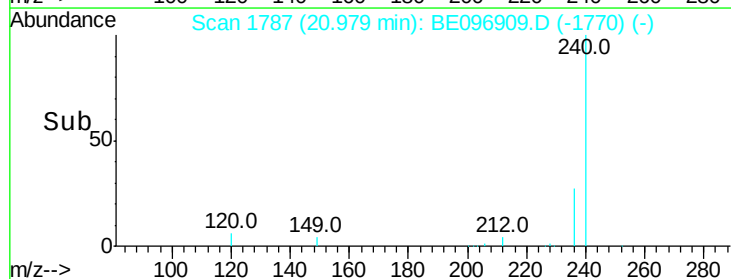
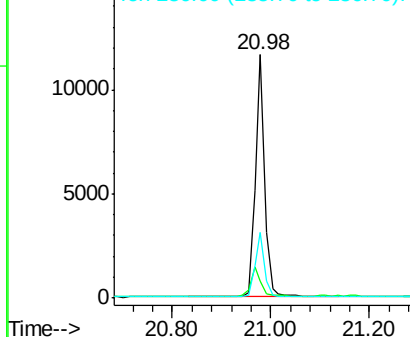
240 100

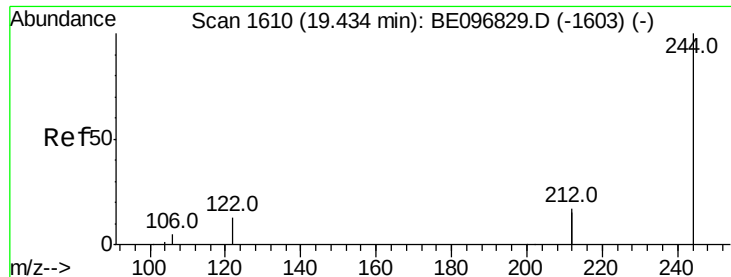
120 6.9 5.5 8.3

236 27.1 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: 0.681 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

Instrument :

BNA_E

ClientSampleId :

RE125D1-071118

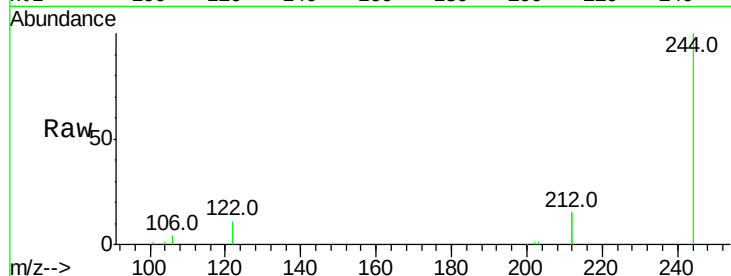
Tot Ion:244 Resp: 20175

Ion Ratio Lower Upper

244 100

212 30.2 25.4 38.0

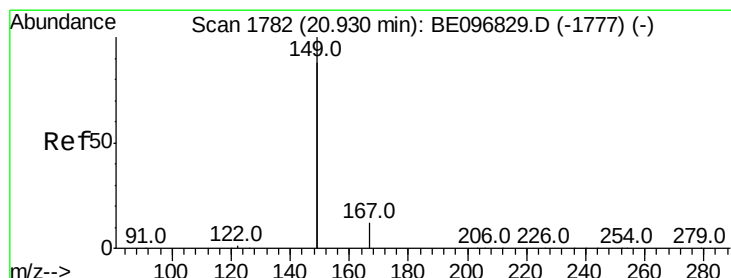
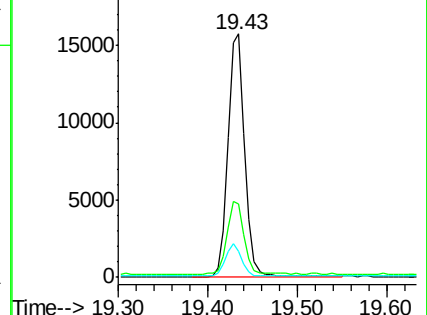
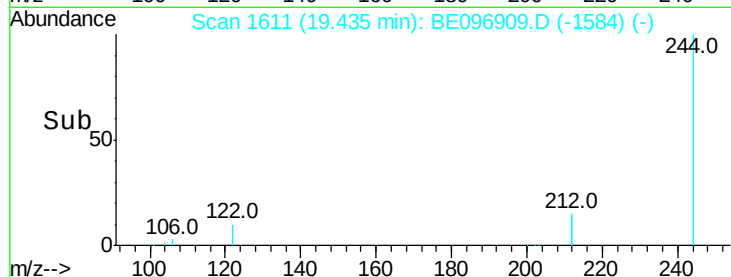
122 10.6 8.1 12.1



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: 0.224 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096909.D

Acq: 13 Jul 2018 16:37

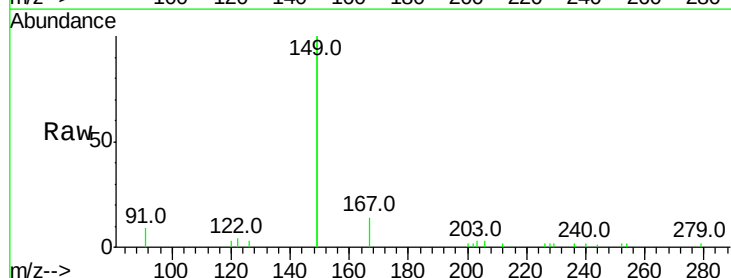
Tgt Ion:149 Resp: 6827

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

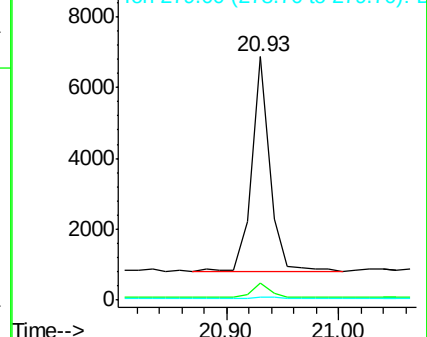
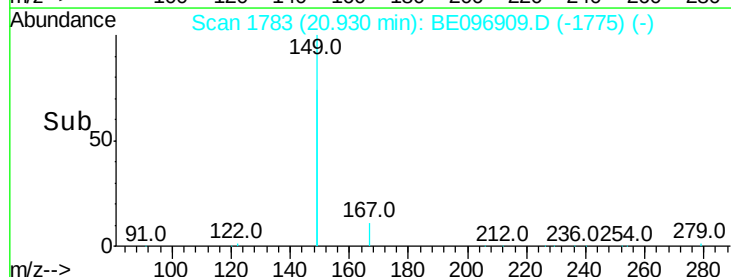
279 0.8 0.7 1.1

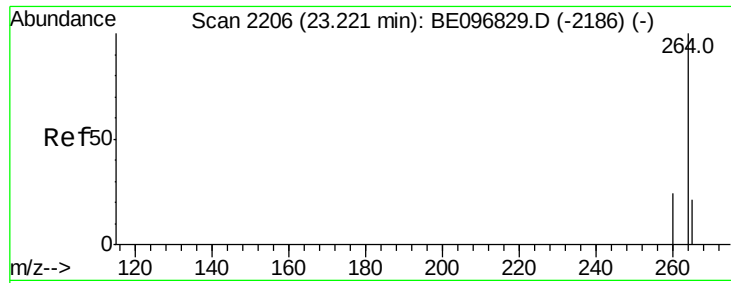


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

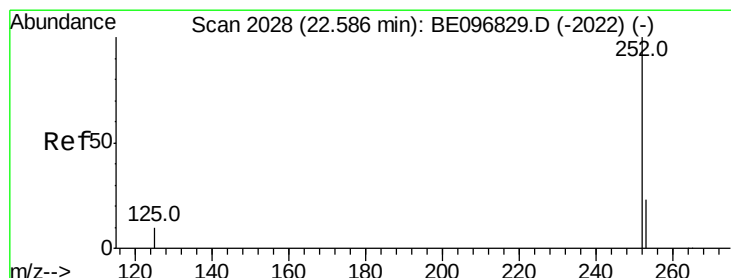
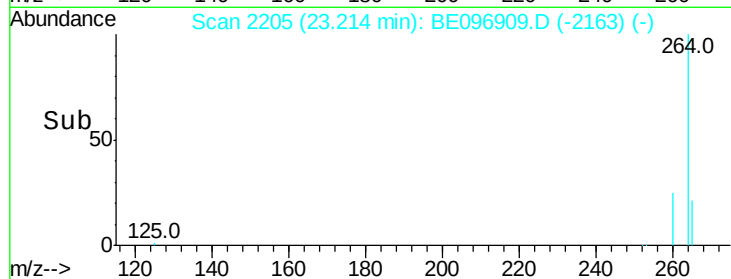
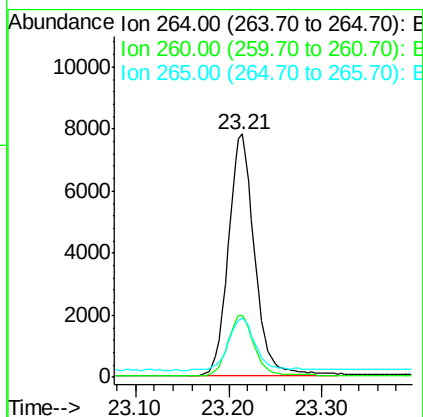
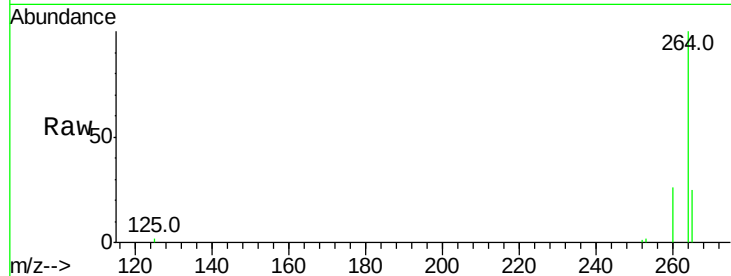




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BE096909.D
Acq: 13 Jul 2018 16:37

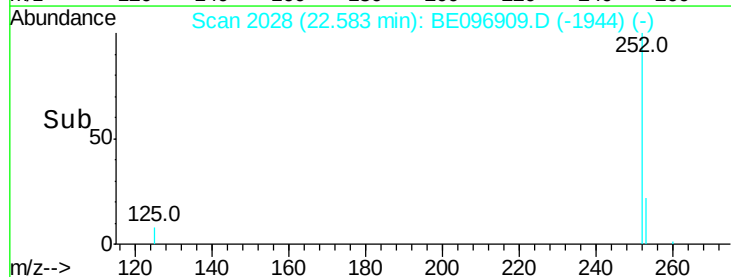
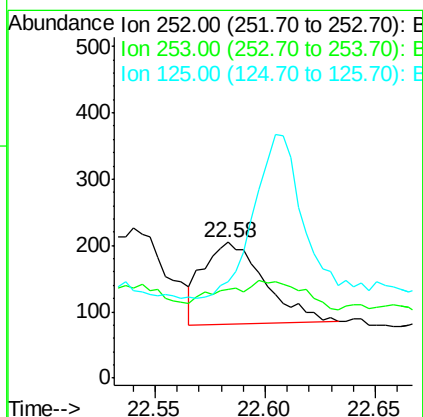
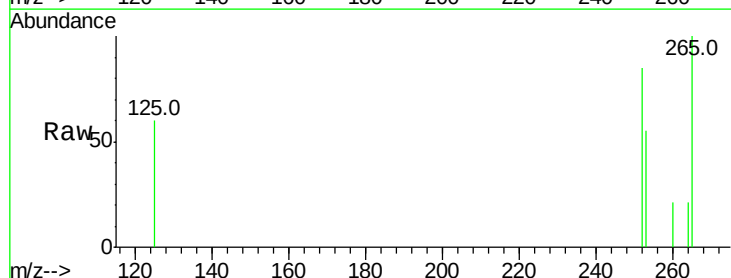
Instrument :
BNA_E
ClientSampleId :
RE125D1-071118

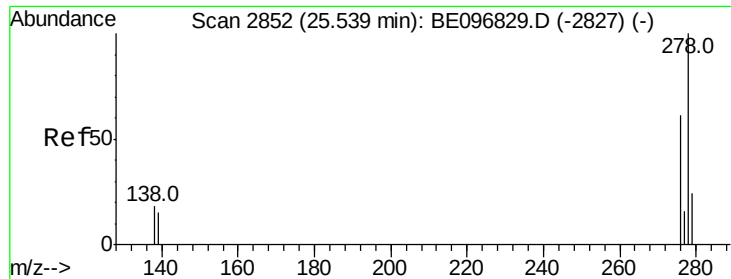
Tot Ion:264 Resp: 15315
Ion Ratio Lower Upper
264 100
260 25.5 20.5 30.7
265 24.6 22.8 34.2



#36
Benzo(k)fluoranthene
Concen: 0.087 ng
RT: 22.58 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BE096909.D
Acq: 13 Jul 2018 16:37

Tgt Ion:252 Resp: 242
Ion Ratio Lower Upper
252 100
253 64.9 16.0 24.0#
125 70.7 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.113 ng

RT: 25.53 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BE096909.D

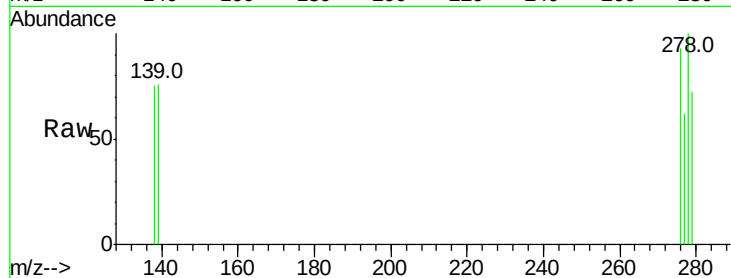
Acq: 13 Jul 2018 16:37

Instrument :

BNA_E

ClientSampleId :

RE125D1-071118



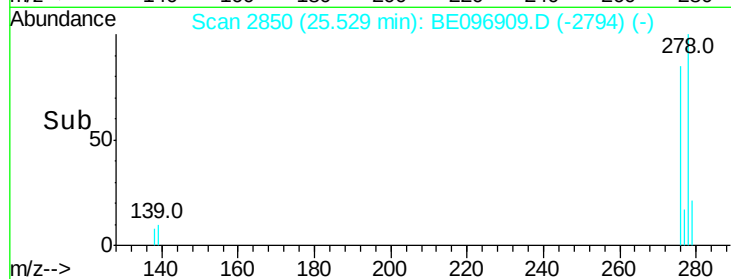
Tot Ion:278 Resp: 163

Ion Ratio Lower Upper

278 100

139 76.5 16.0 24.0#

279 71.6 20.0 30.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

