

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE072018\
 Data File : BE097024.D
 Acq On : 20 Jul 2018 10:56
 Operator : SJ/JU
 Sample : J4014-03DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE104D1-071318DL

Quant Time: Jul 20 12:30:08 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	1318	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6250	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3921	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11116	0.40	ng	0.00
27) Chrysene-d12	20.98	240	9936	0.40	ng	0.00
34) Perylene-d12	23.21	264	8653	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	279	0.09	ng	0.00
5) Phenol-d6	6.60	99	225	0.05	ng	0.00
8) Nitrobenzene-d5	8.53	82	1025	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	1840	0.20	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	219	0.28	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	3402	0.23	ng	0.01
25) Fluoranthene-d10	18.81	212	25552	0.26	ng	0.00
29) Terphenyl-d14	19.43	244	7129	0.37	ng	0.00

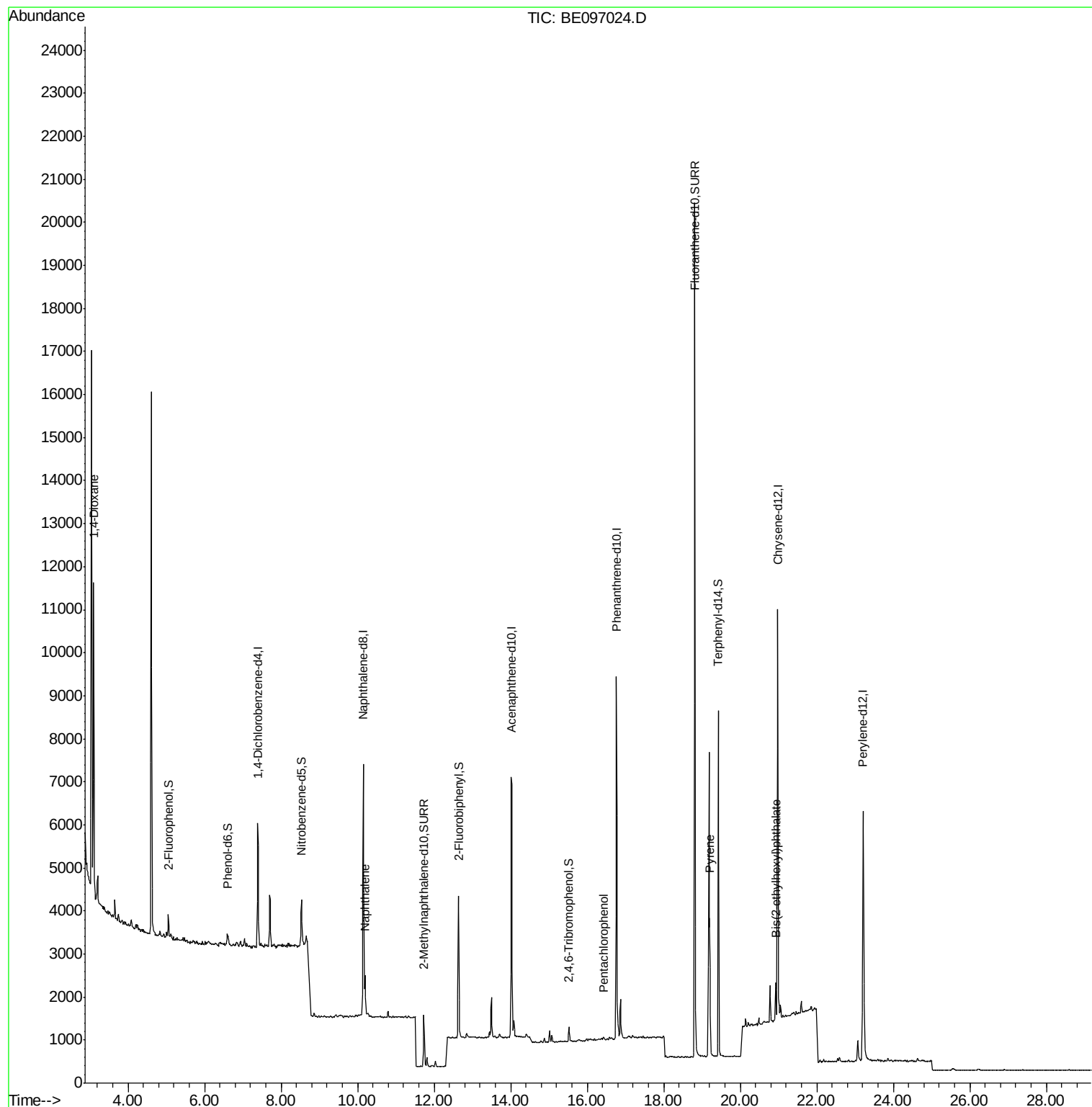
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	3809	2.019	ng	# 90
9) Naphthalene	10.20	128	1489	0.027	ng	# 87
22) Pentachlorophenol	16.44	266	39	0.031	ng	95
28) Pyrene	19.21	202	2811	0.096	ng	99
32) Bis(2-ethylhexyl)phthalate	20.93	149	1411	0.060	ng	# 94

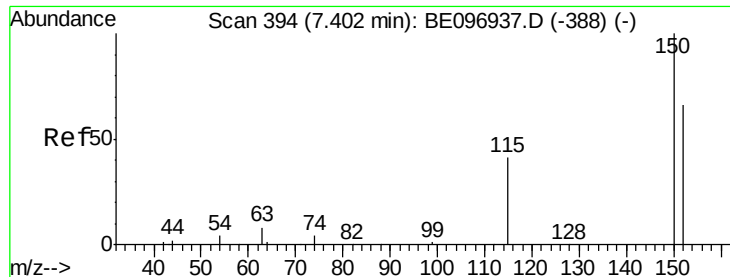
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE097024.D

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Instrument :

BNA_E

ClientSampleId :

RE104D1-071318DL

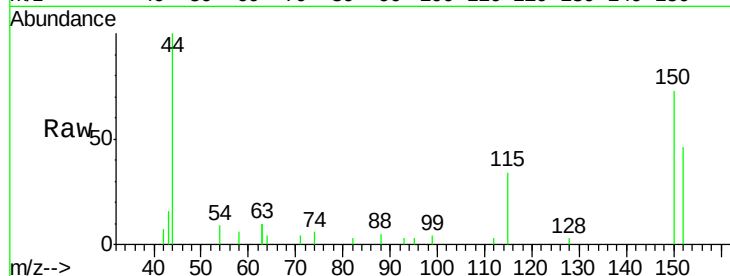
Tgt Ion:152 Resp: 1318

Ion Ratio Lower Upper

152 100

150 160.9 117.2 175.8

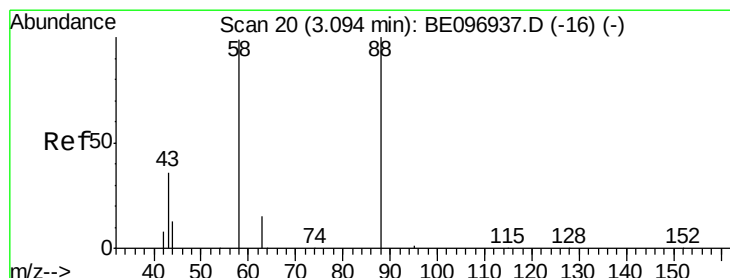
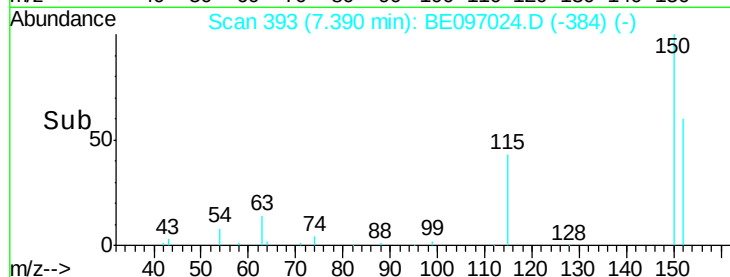
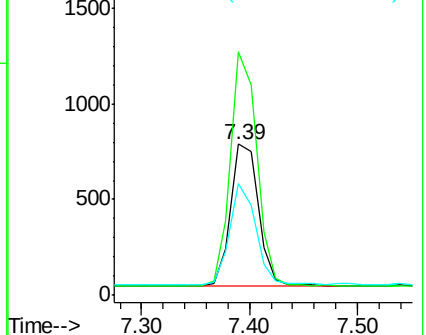
115 73.9 57.0 85.6



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: 2.019 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

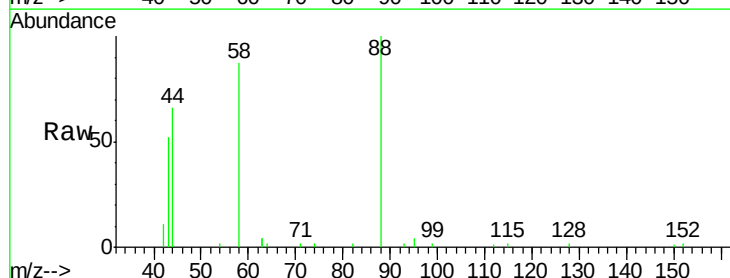
Tgt Ion: 88 Resp: 3809

Ion Ratio Lower Upper

88 100

58 83.7 63.2 94.8

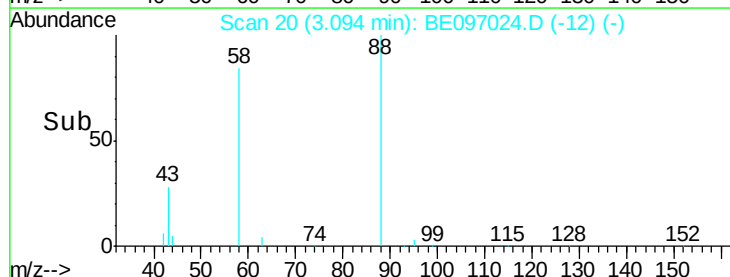
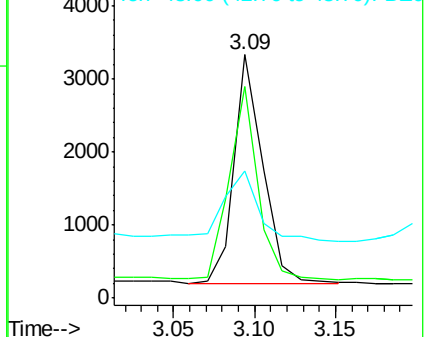
43 40.1 41.2 61.8#

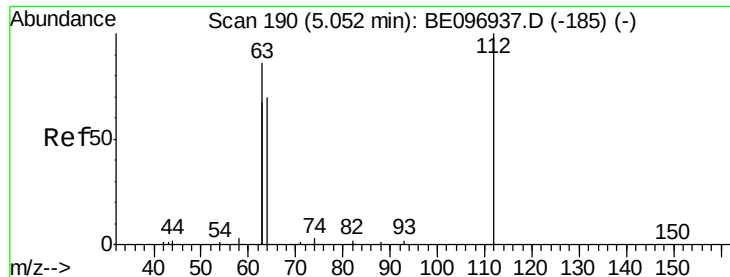


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.088 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

Instrument :

BNA_E

ClientSampleId :

RE104D1-071318DL

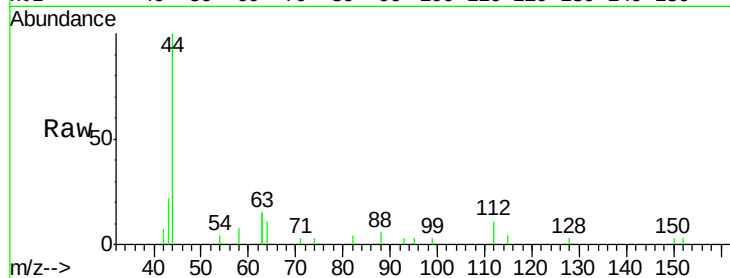
Tgt Ion: 112 Resp: 279

Ion Ratio Lower Upper

112 100

64 77.4 60.1 90.1

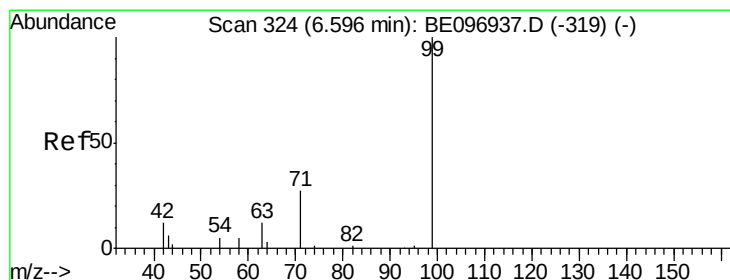
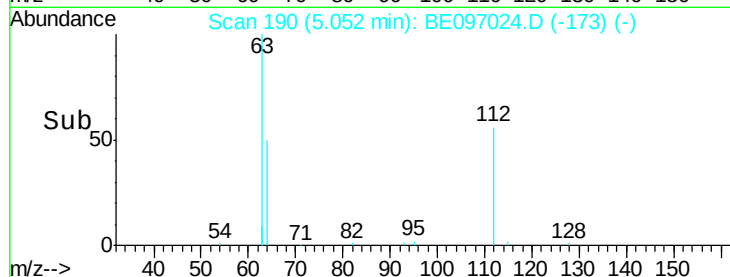
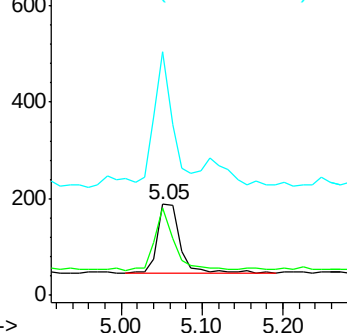
63 154.8 116.8 175.2



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



#5

Phenol-d6

Concen: 0.047 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

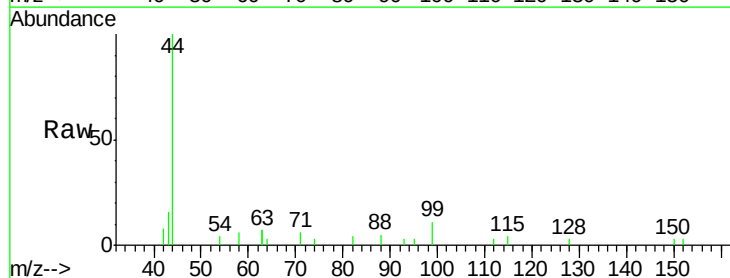
Tgt Ion: 99 Resp: 225

Ion Ratio Lower Upper

99 100

42 36.4 20.2 30.2#

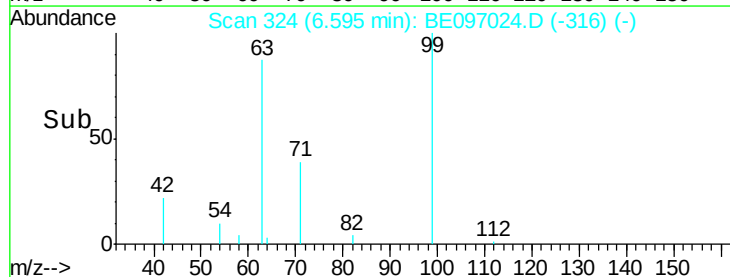
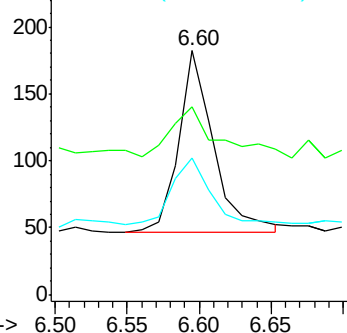
71 41.3 28.4 42.6

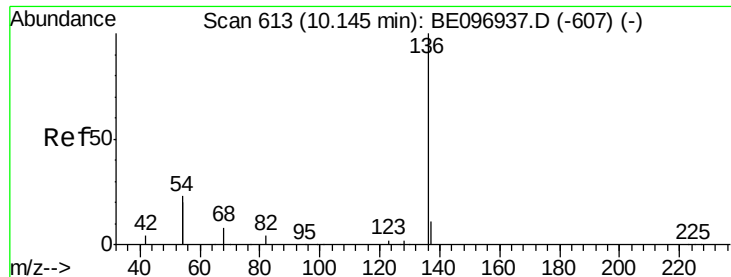


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

Instrument :

BNA_E

ClientSampleId :

RE104D1-071318DL

Tgt Ion: 136 Resp: 6250

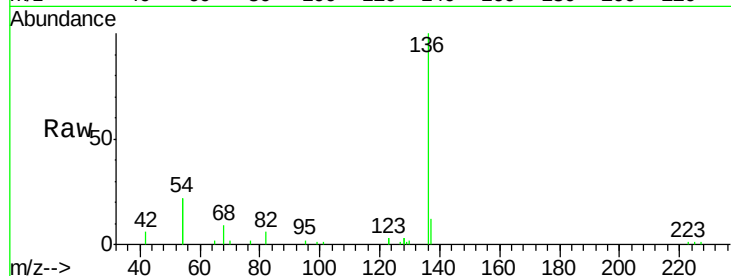
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 43.5 29.1 43.7

68 8.5 6.2 9.2

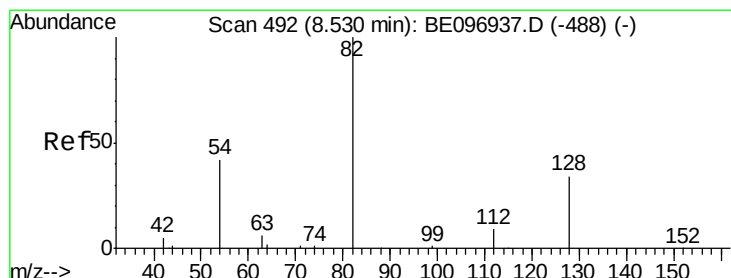
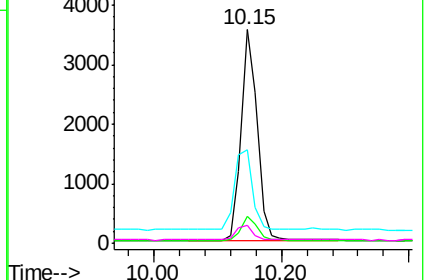
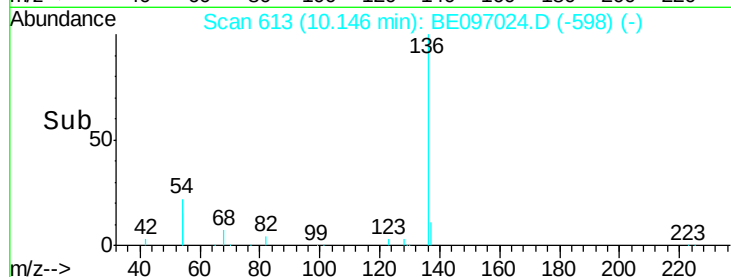


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.225 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

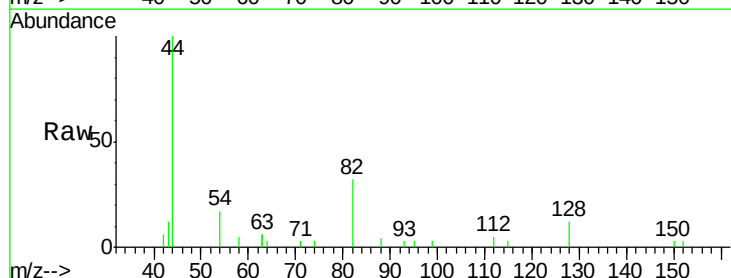
Tgt Ion: 82 Resp: 1025

Ion Ratio Lower Upper

82 100

128 36.6 24.0 36.0#

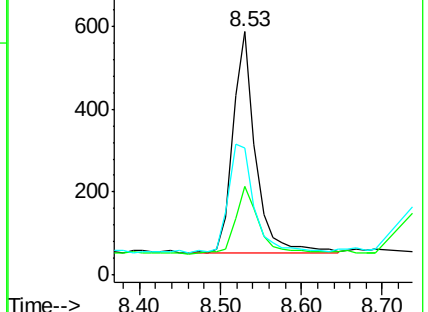
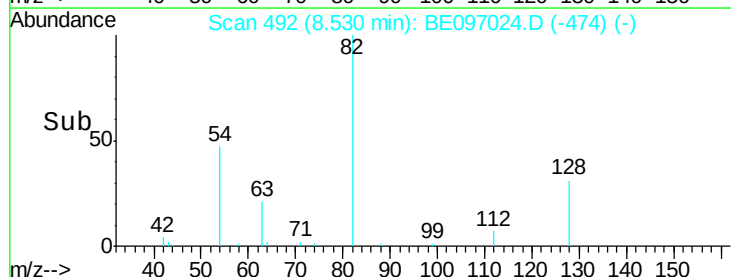
54 52.3 40.0 60.0

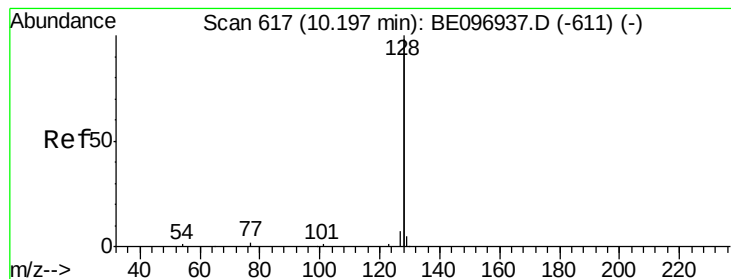


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.027 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

Instrument :

BNA_E

ClientSampleId :

RE104D1-071318DL

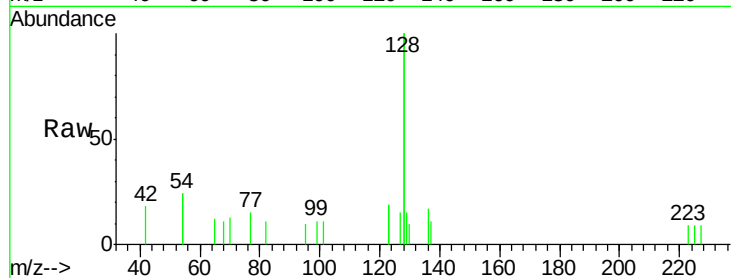
Tgt Ion:128 Resp: 1489

Ion Ratio Lower Upper

128 100

129 7.6 2.6 3.8#

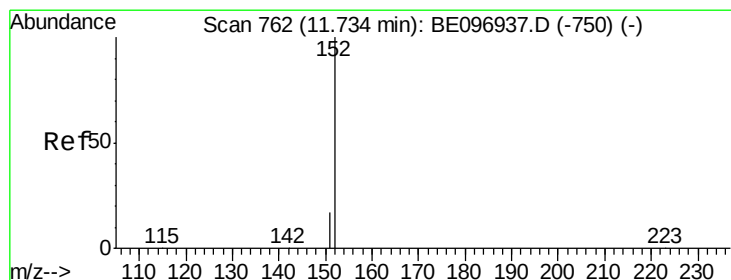
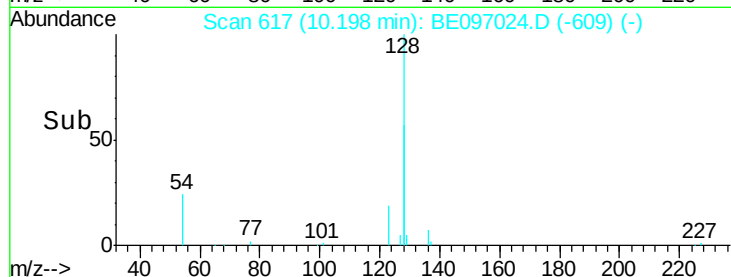
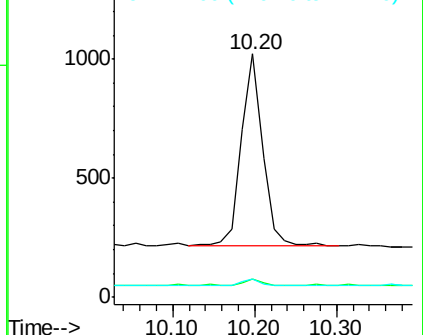
127 7.4 2.8 4.2#



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: 0.202 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097024.D

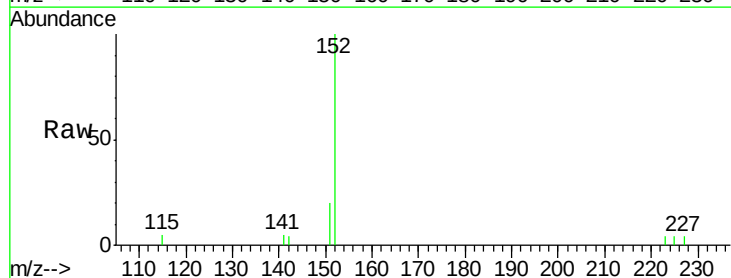
Acq: 20 Jul 2018 10:56

Tgt Ion:152 Resp: 1840

Ion Ratio Lower Upper

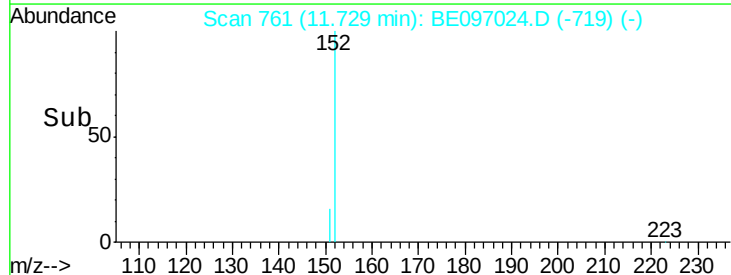
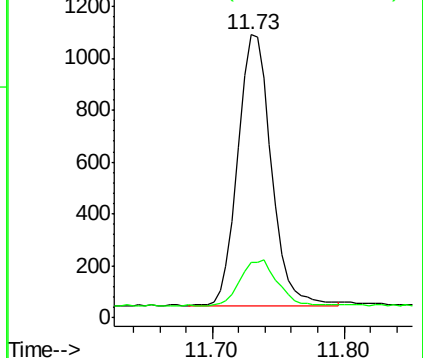
152 100

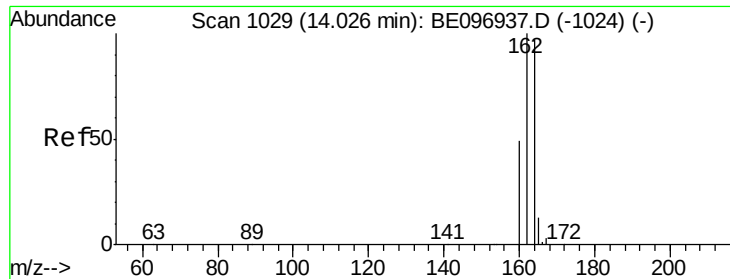
151 18.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

Instrument :

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ClientSampleId :

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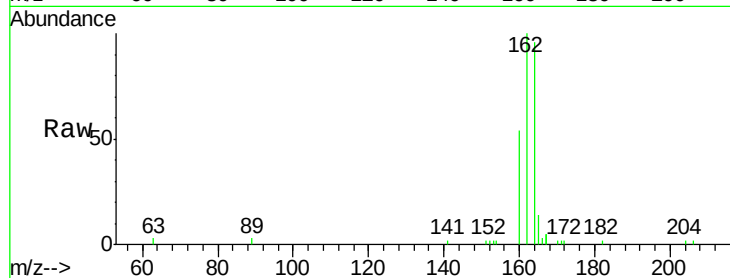
Tgt Ion:164 Resp: 3921

Ion Ratio Lower Upper

164 100

162 103.7 83.1 124.7

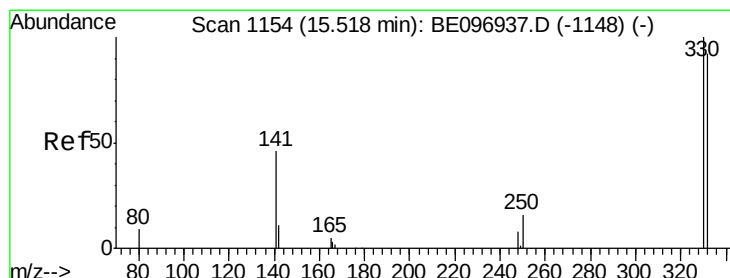
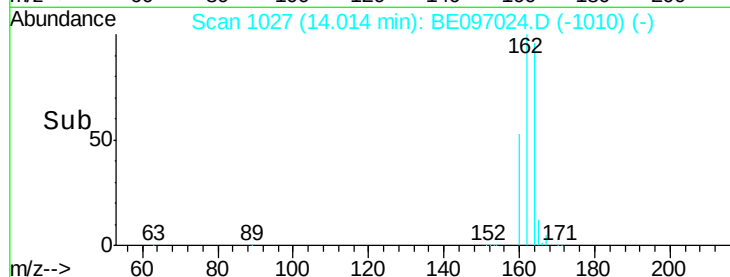
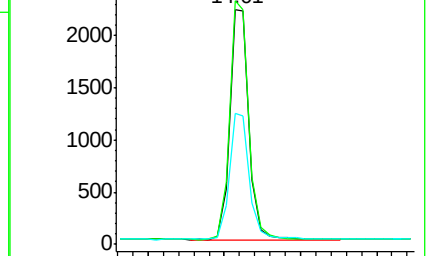
160 55.6 37.1 55.7



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: 0.280 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

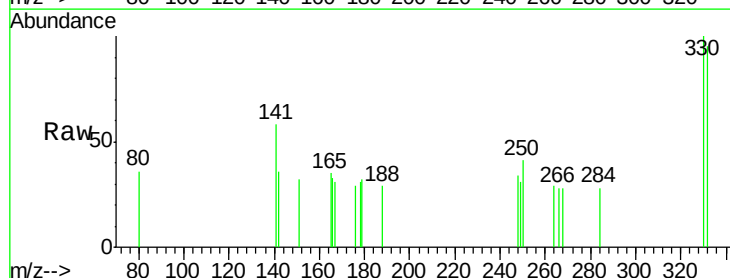
Tgt Ion:330 Resp: 219

Ion Ratio Lower Upper

330 100

332 89.5 152.7 229.1#

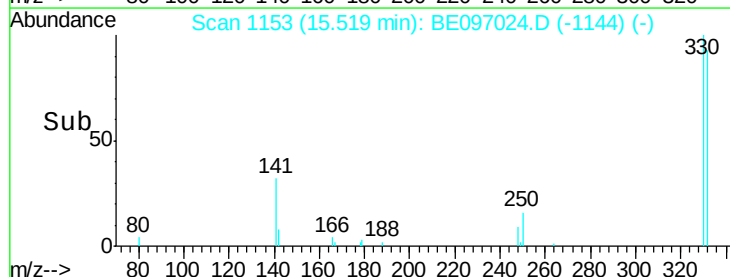
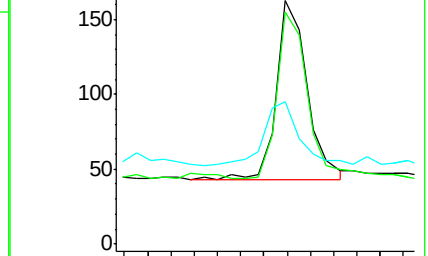
141 42.0 33.7 50.5

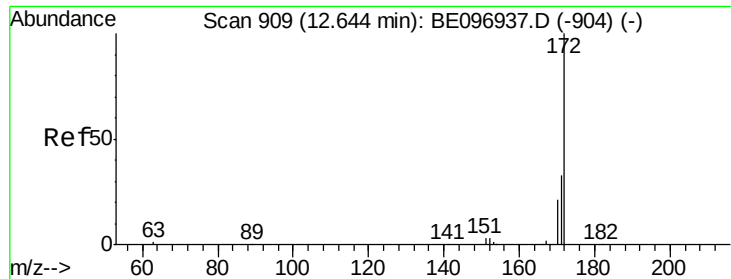


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

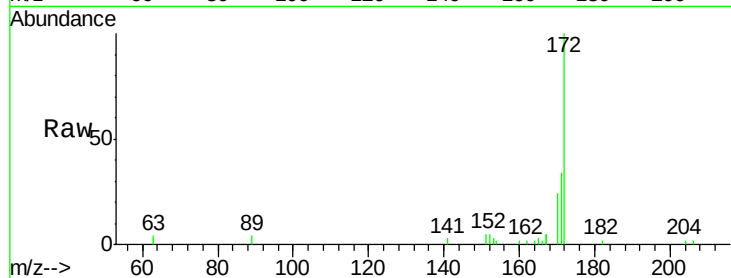




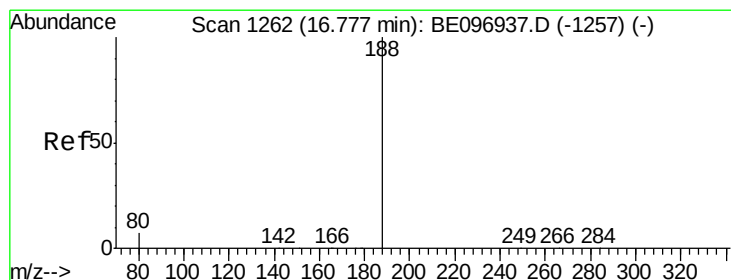
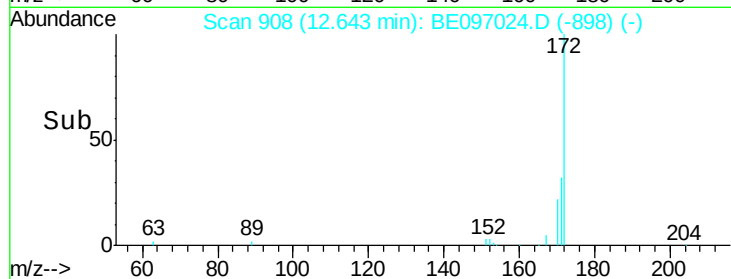
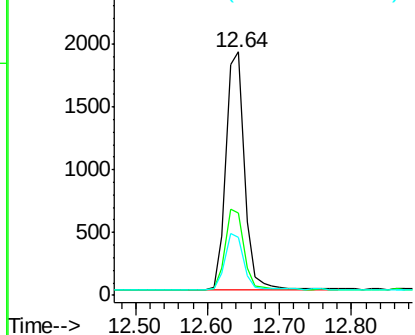
#15
2-Fluorobiphenyl
Concen: 0.233 ng
RT: 12.64 min Scan# 908
Delta R.T. 0.01 min
Lab File: BE097024.D
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Tgt Ion:172 Resp: 3402
Ion Ratio Lower Upper
172 100
171 33.6 29.9 44.9
170 23.9 21.8 32.8

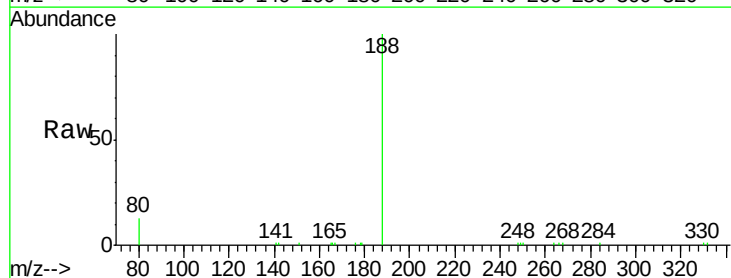


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

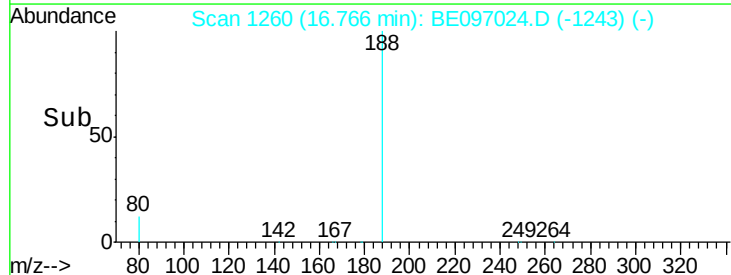
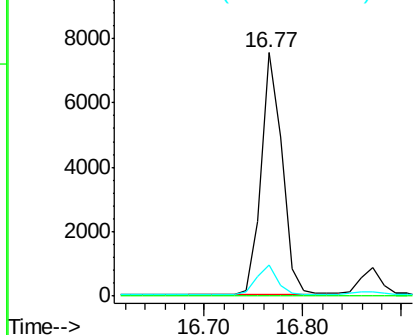


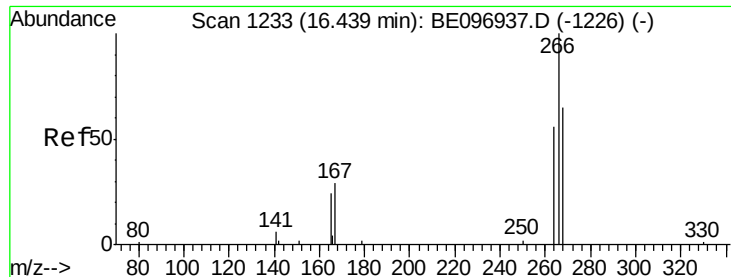
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BE097024.D
Acq: 20 Jul 2018 10:56

Tgt Ion:188 Resp: 11116
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 12.5 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: 0.031 ng

RT: 16.44 min Scan# 1232

Delta R.T. 0.01 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

Instrument :

BNA_E

ClientSampleId :

RE104D1-071318DL

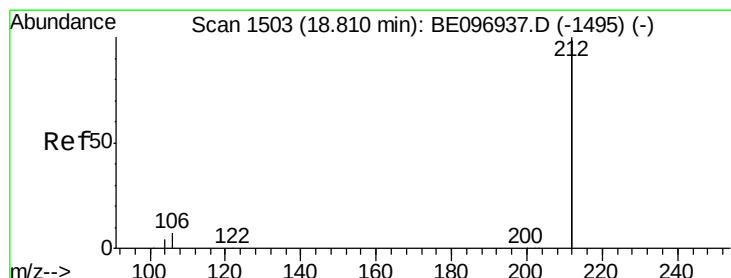
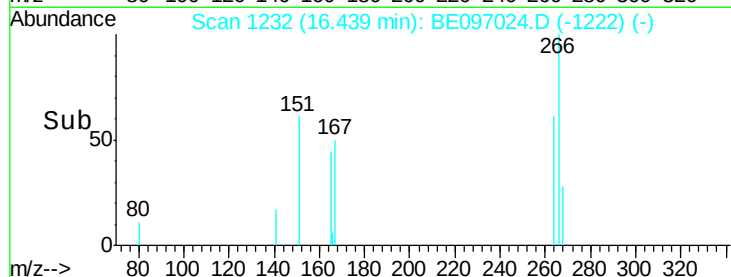
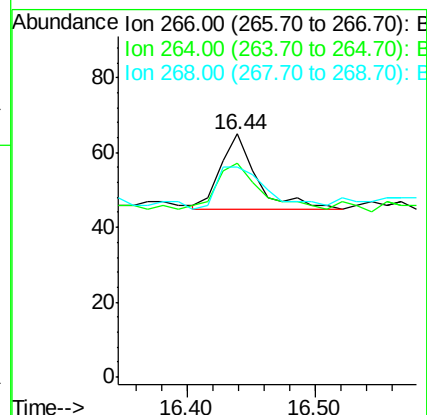
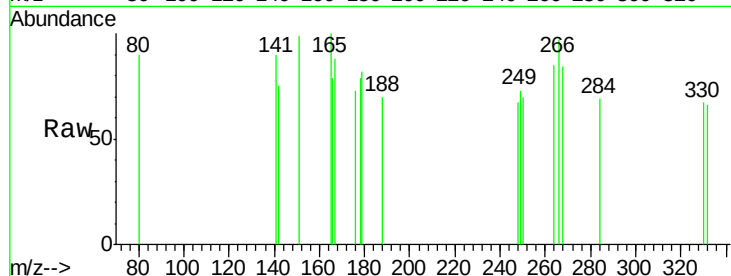
Tgt Ion:266 Resp: 39

Ion Ratio Lower Upper

266 100

264 87.7 72.5 108.7

268 86.2 73.8 110.6



#25

Fluoranthene-d10

Concen: 0.264 ng

RT: 18.81 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

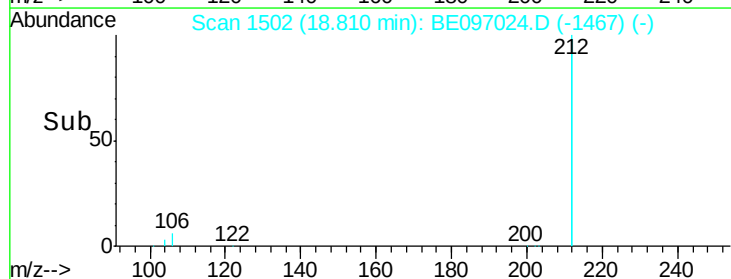
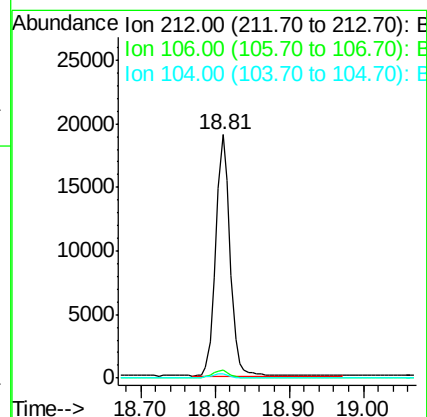
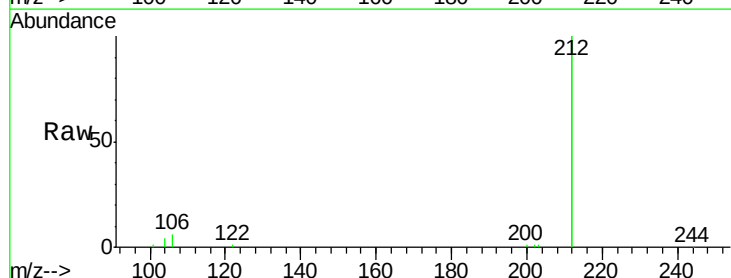
Tgt Ion:212 Resp: 25552

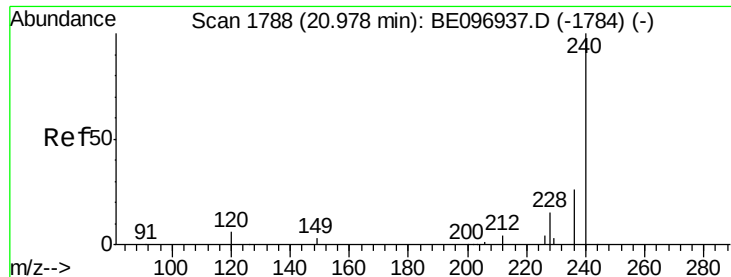
Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

104 1.7 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

Instrument :

BNA_E

ClientSampleId :

RE104D1-071318DL

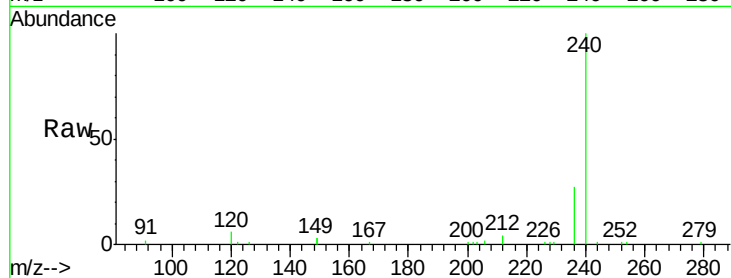
Tgt Ion:240 Resp: 9936

Ion Ratio Lower Upper

240 100

120 5.5 5.5 8.3

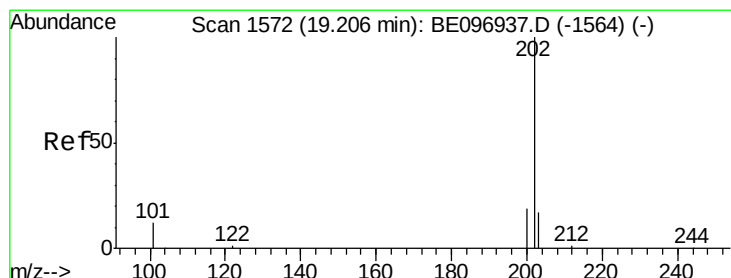
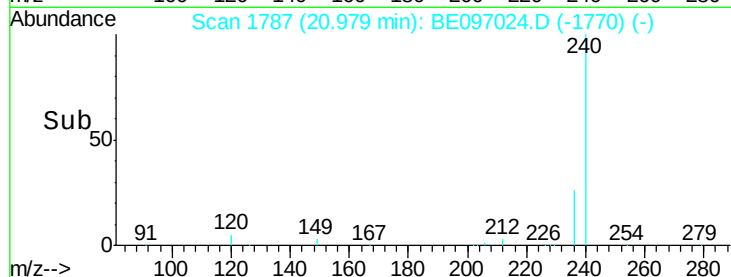
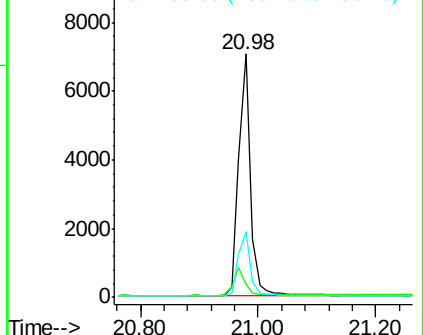
236 26.8 20.7 31.1



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



#28

Pyrene

Concen: 0.096 ng

RT: 19.21 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

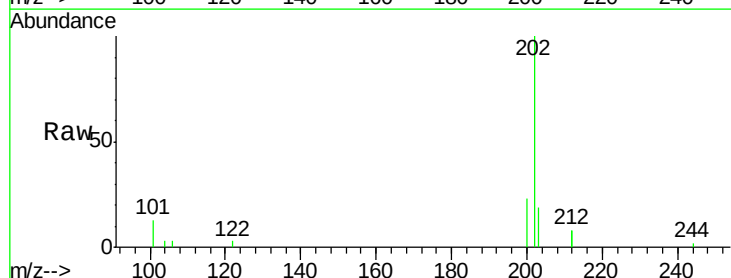
Tgt Ion:202 Resp: 2811

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

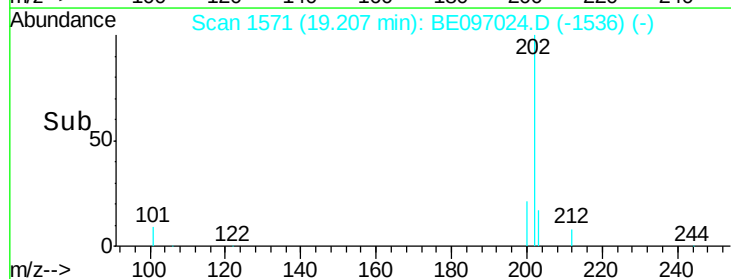
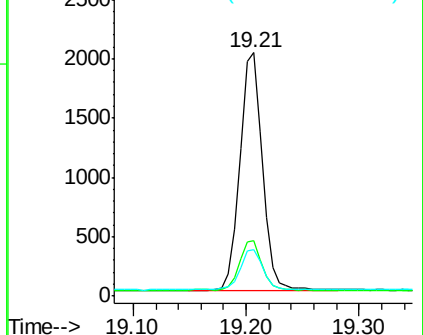
203 17.1 13.8 20.8

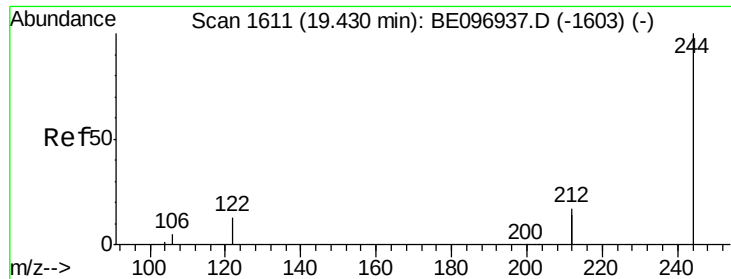


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.372 ng

RT: 19.43 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

Instrument :

BNA_E

ClientSampleId :

RE104D1-071318DL

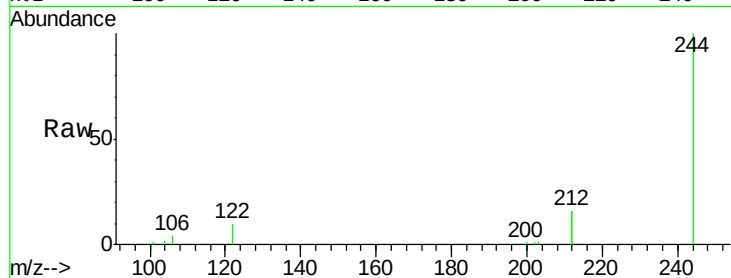
Tgt Ion:244 Resp: 7129

Ion Ratio Lower Upper

244 100

212 33.0 25.4 38.0

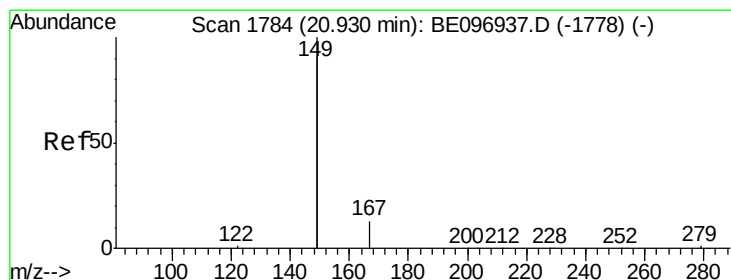
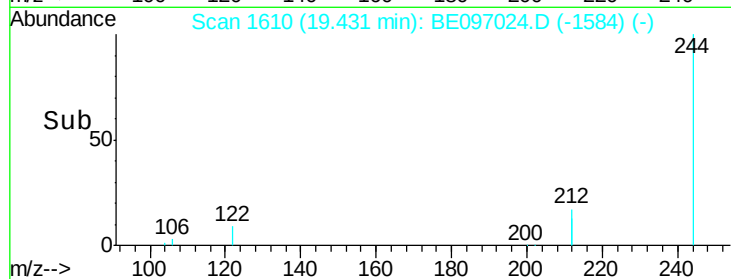
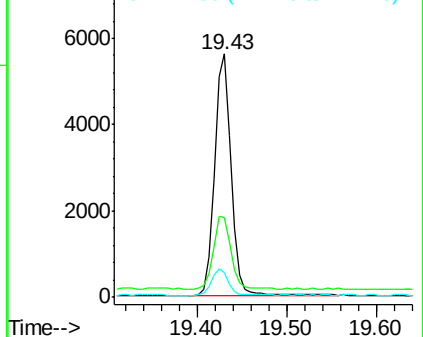
122 10.1 8.1 12.1



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: 0.060 ng

RT: 20.93 min Scan# 1783

Delta R.T. -0.00 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

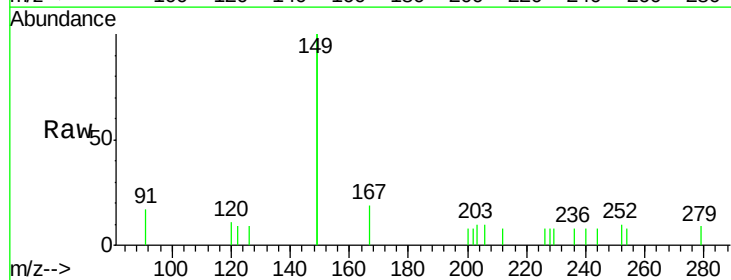
Tgt Ion:149 Resp: 1411

Ion Ratio Lower Upper

149 100

167 8.7 5.4 8.0#

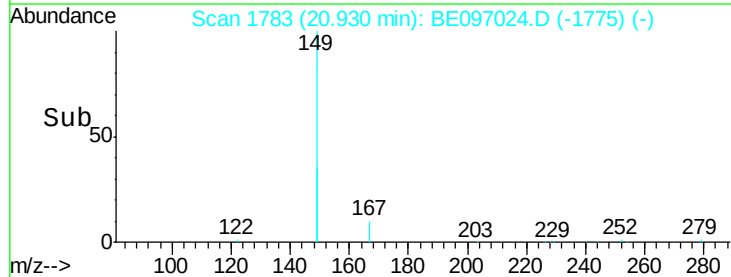
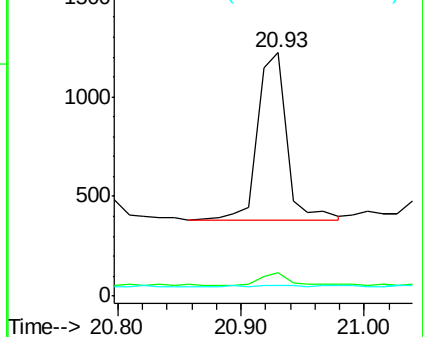
279 2.1 0.7 1.1#

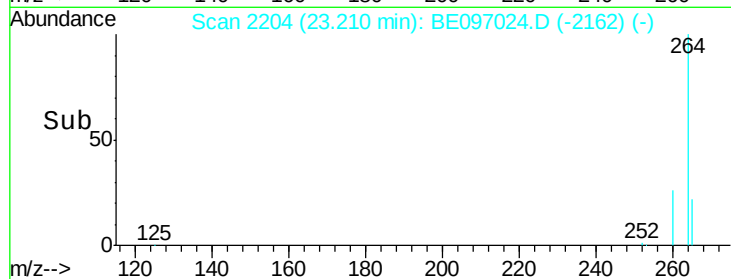
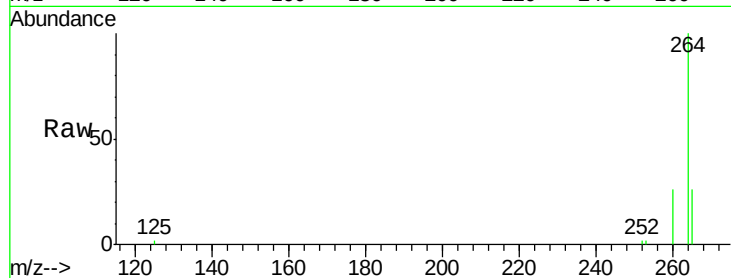
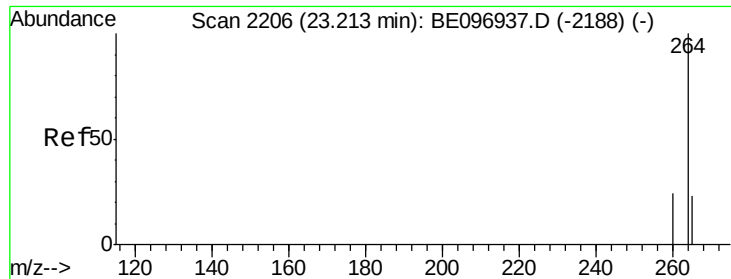


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE097024.D

Acq: 20 Jul 2018 10:56

Instrument :

BNA_E

ClientSampleId :

RE104D1-071318DL

Tgt Ion: 264 Resp: 8653

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

265 26.1 22.8 34.2

