

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097042.D
 Acq On : 23 Jul 2018 18:29
 Operator : SJ/JU
 Sample : J3170-09RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE125D2-071118RE

Quant Time: Jul 24 05:27:31 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	1451	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6971	0.40	ng	0.00
13) Acenaphthene-d10	14.02	164	4195	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	11668	0.40	ng	0.00
27) Chrysene-d12	20.98	240	12979	0.40	ng	0.00
34) Perylene-d12	23.21	264	12036	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	951	0.27	ng	0.01
5) Phenol-d6	6.60	99	827	0.16	ng	0.00
8) Nitrobenzene-d5	8.52	82	2984	0.59	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	5449	0.54	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	847	0.80	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	9510	0.61	ng	0.00
25) Fluoranthene-d10	18.81	212	70499	0.69	ng	0.00
29) Terphenyl-d14	19.43	244	20039	0.80	ng	0.00

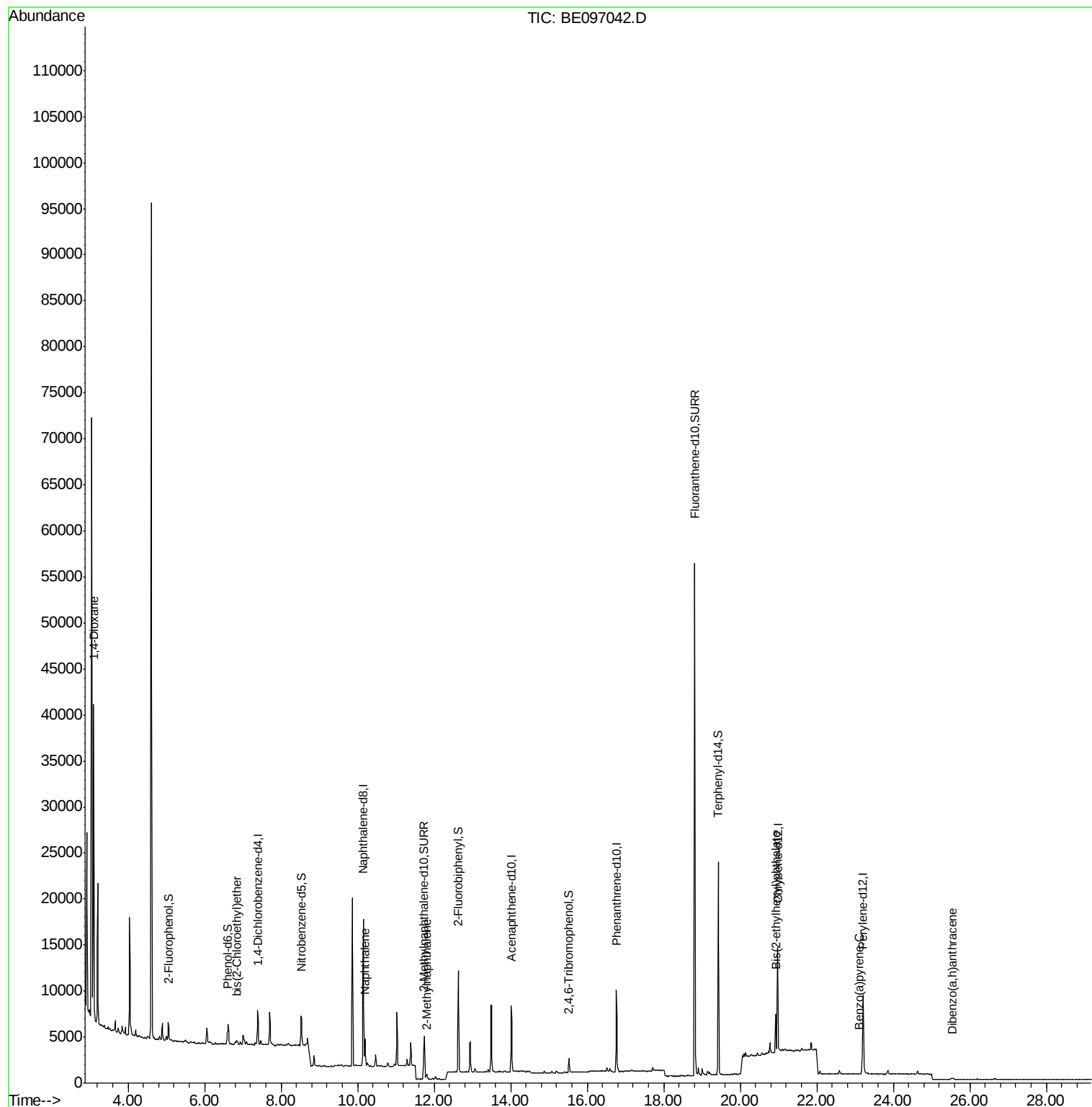
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	17019	8.194	ng	# 88
6) bis(2-Chloroethyl)ether	6.84	93	130	0.025	ng	# 89
9) Naphthalene	10.20	128	4172	0.067	ng	# 95
12) 2-Methylnaphthalene	11.81	142	381	0.036	ng	# 91
22) Pentachlorophenol	16.43	266	1	Below Cal		92
32) Bis(2-ethylhexyl)phthalate	20.93	149	6281	0.204	ng	# 99
37) Benzo(a)pyrene	23.11	252	52	0.103	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	12	0.118	ng	# 1

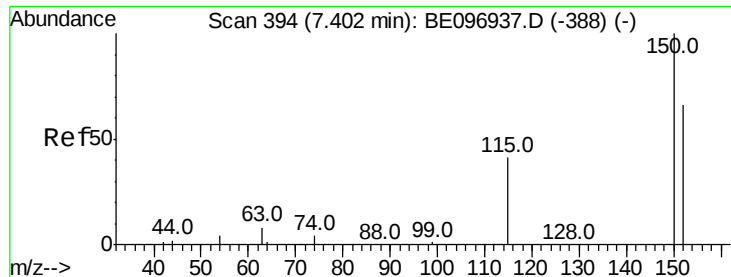
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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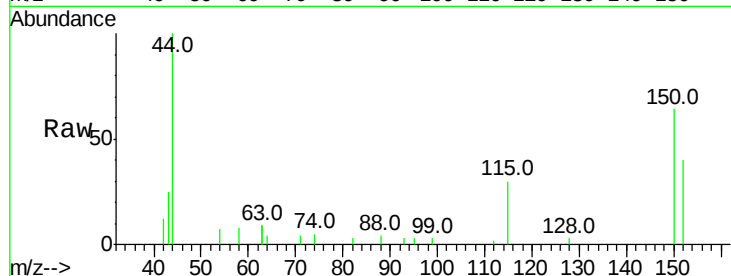


#1

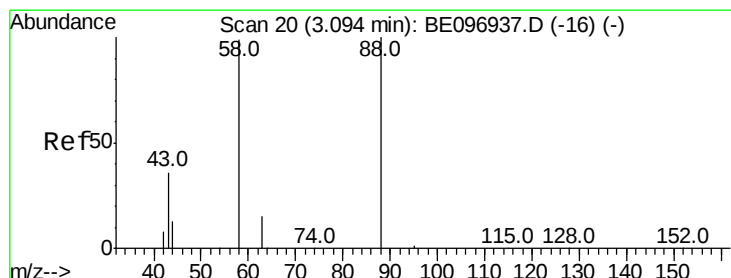
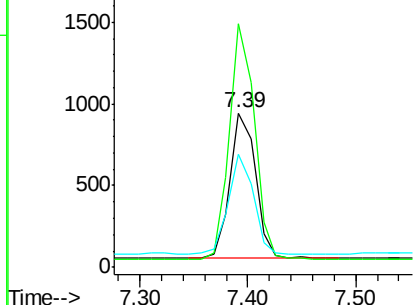
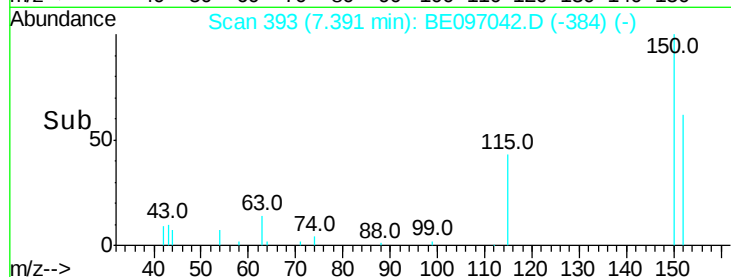
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097042.D
Acq: 23 Jul 2018 18:29

Instrument :
BNA_E
ClientSampleId :
RE125D2-071118RE

Tot Ion:152 Resp: 1451
Ion Ratio Lower Upper
152 100
150 158.0 117.2 175.8
115 73.4 57.0 85.6



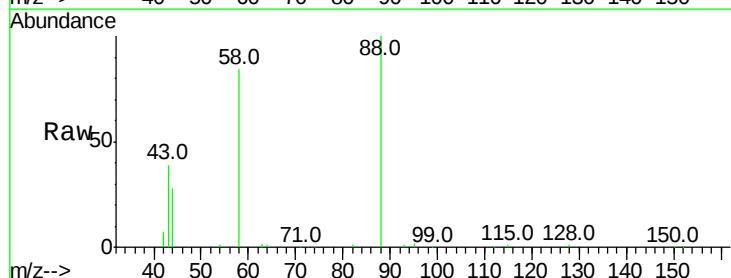
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



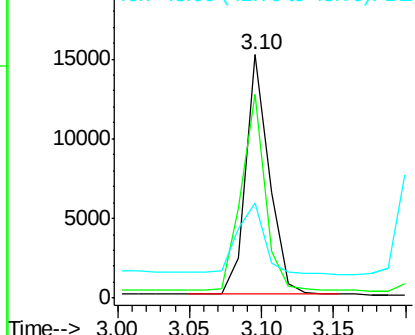
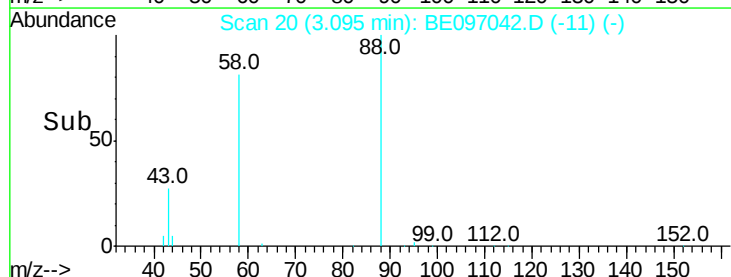
#2

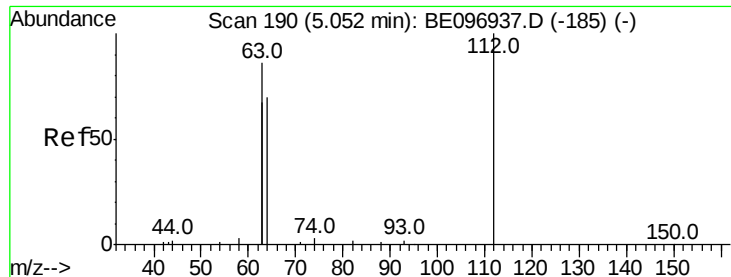
1,4-Dioxane
Concen: 8.194 ng
RT: 3.10 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097042.D
Acq: 23 Jul 2018 18:29

Tgt Ion: 88 Resp: 17019
Ion Ratio Lower Upper
88 100
58 82.7 63.2 94.8
43 35.6 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: 0.274 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097042.D

Acq: 23 Jul 2018 18:29

Instrument :

BNA_E

ClientSampleId :

RE125D2-071118RE

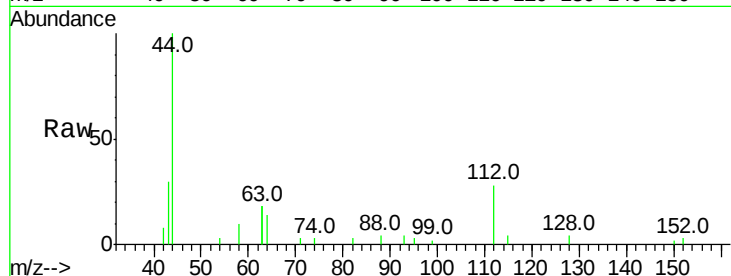
Tot Ion: 112 Resp: 951

Ion Ratio Lower Upper

112 100

64 70.6 60.1 90.1

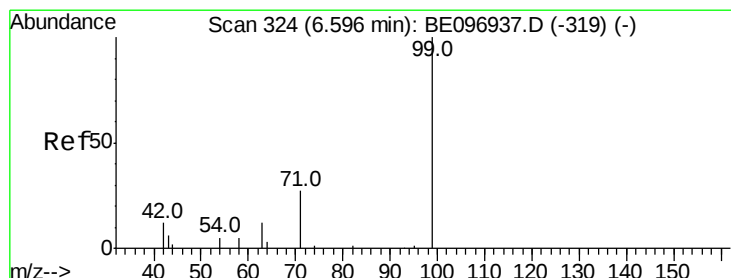
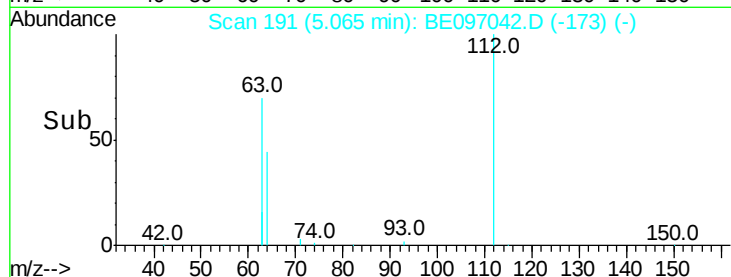
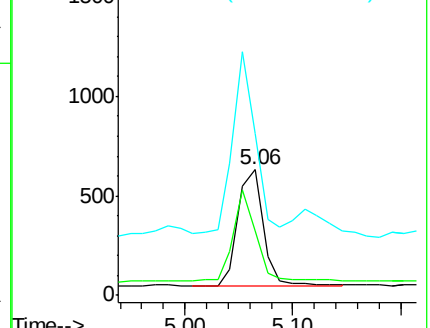
63 144.8 116.8 175.2



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



#5

Phenol-d6

Concen: 0.156 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097042.D

Acq: 23 Jul 2018 18:29

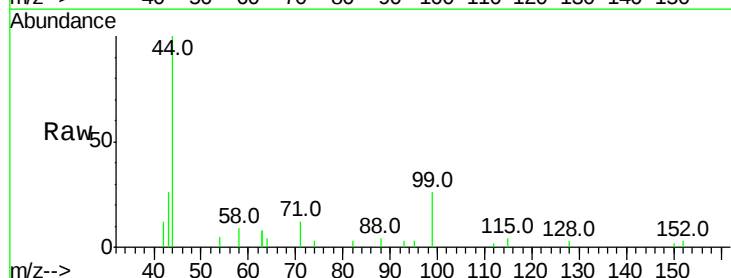
Tgt Ion: 99 Resp: 827

Ion Ratio Lower Upper

99 100

42 35.2 20.2 30.2#

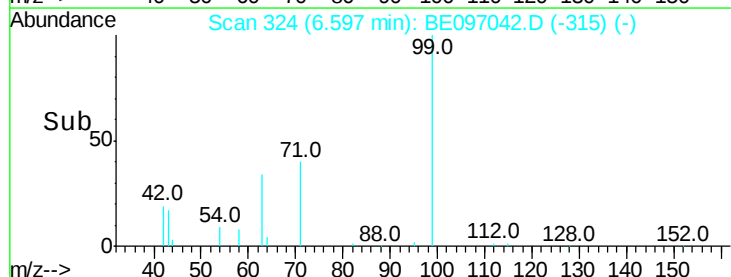
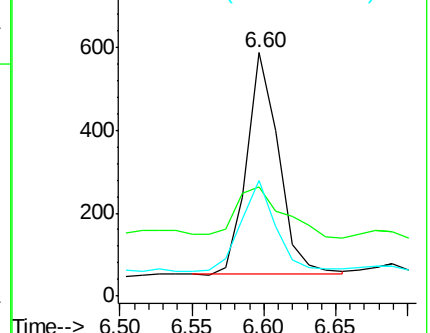
71 45.2 28.4 42.6#

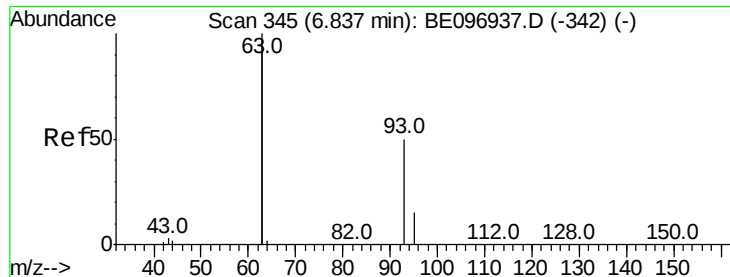


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.025 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097042.D

Acq: 23 Jul 2018 18:29

Instrument :

BNA_E

ClientSampleId :

RE125D2-071118RE

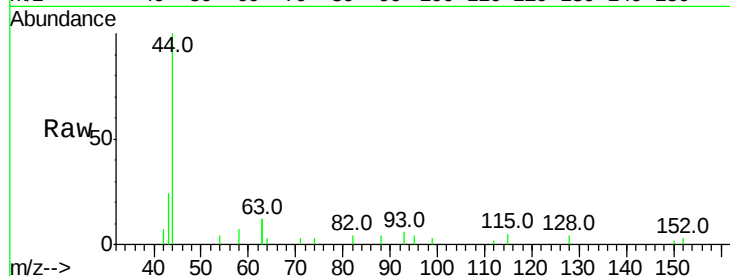
Tot Ion: 93 Resp: 130

Ion Ratio Lower Upper

93 100

63 325.4 275.3 412.9

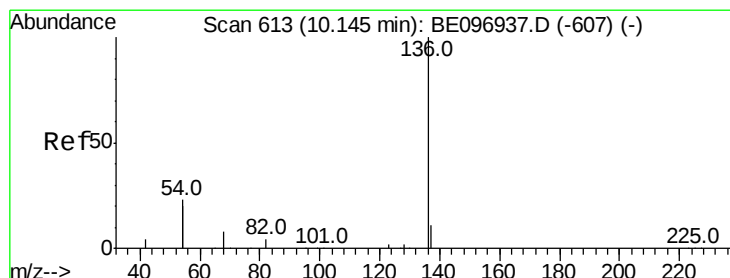
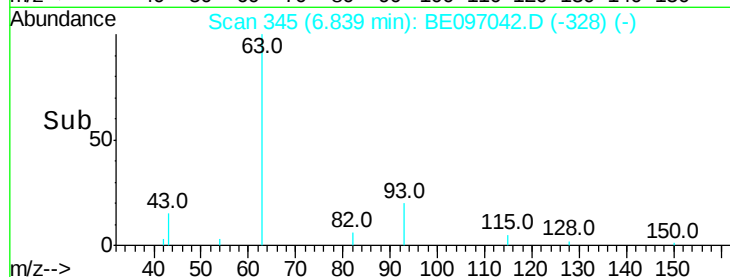
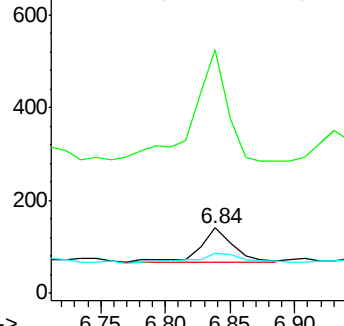
95 52.3 25.2 37.8#



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: BE097042.D

Acq: 23 Jul 2018 18:29

Tgt Ion: 136 Resp: 6971

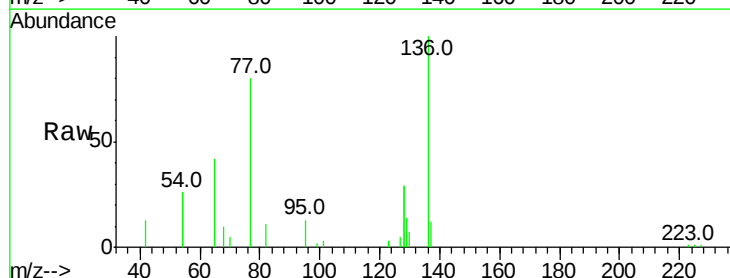
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 52.9 29.1 43.7#

68 10.1 6.2 9.2#

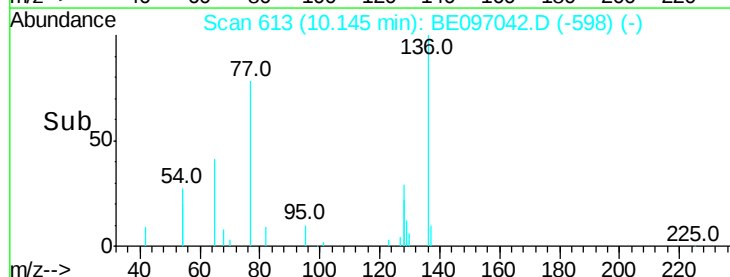
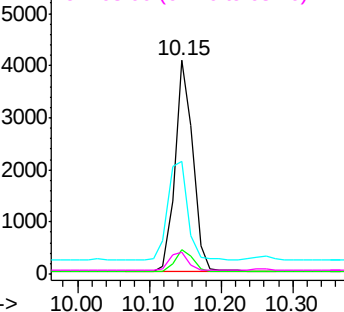


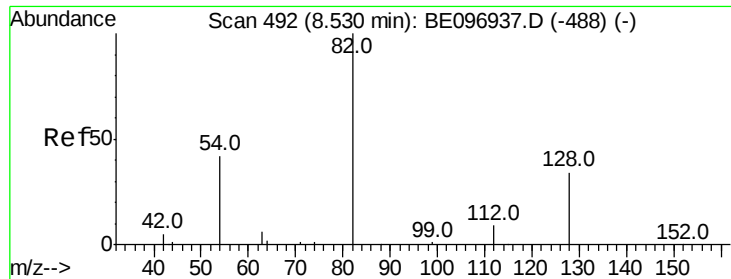
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.587 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097042.D

Acq: 23 Jul 2018 18:29

Instrument :

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ClientSampleId :

RE125D2-071118RE

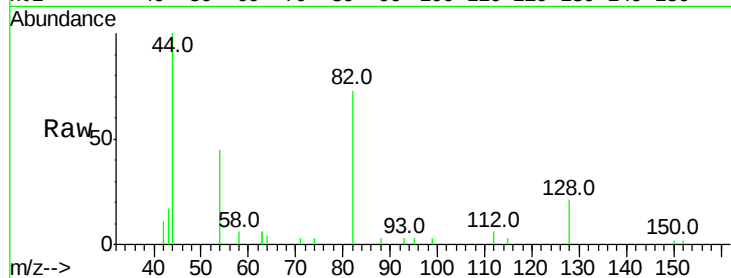
Tot Ion: 82 Resp: 2984

Ion Ratio Lower Upper

82 100

128 28.5 24.0 36.0

54 62.3 40.0 60.0#

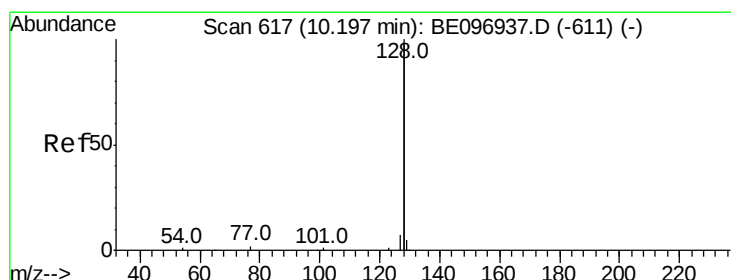
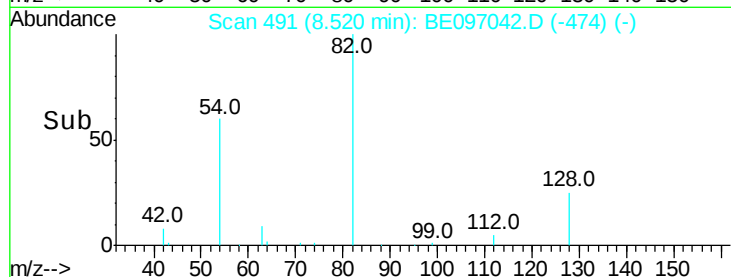


Abundance Ion 82.00 (81.70 to 82.70): BE096937.D (-488) (-)

Ion 128.00 (127.70 to 128.70): BE096937.D (-488) (-)

Ion 54.00 (53.70 to 54.70): BE096937.D (-488) (-)

Time-->



#9

Naphthalene

Concen: 0.067 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097042.D

Acq: 23 Jul 2018 18:29

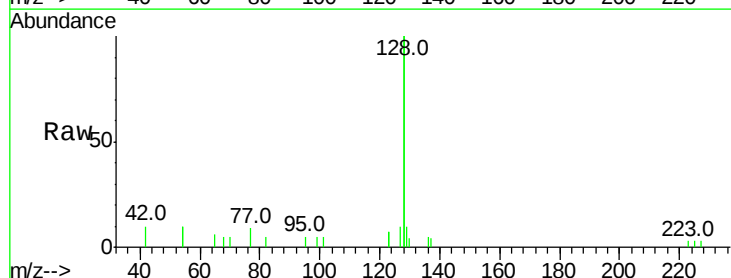
Tgt Ion: 128 Resp: 4172

Ion Ratio Lower Upper

128 100

129 4.8 2.6 3.8#

127 5.1 2.8 4.2#

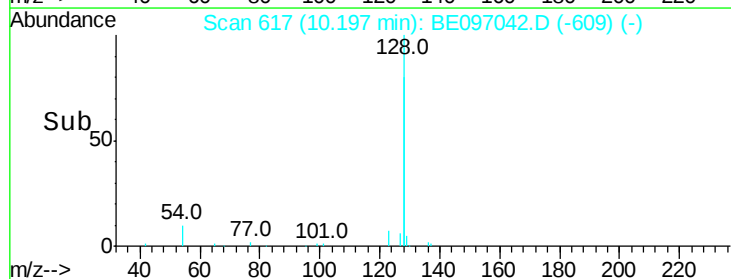


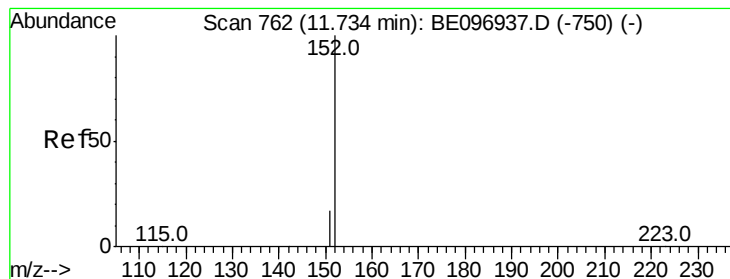
Abundance Ion 128.00 (127.70 to 128.70): BE096937.D (-611) (-)

Ion 129.00 (128.70 to 129.70): BE096937.D (-611) (-)

Ion 127.00 (126.70 to 127.70): BE096937.D (-611) (-)

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.536 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097042.D

Acq: 23 Jul 2018 18:29

Instrument :

BNA_E

ClientSampleId :

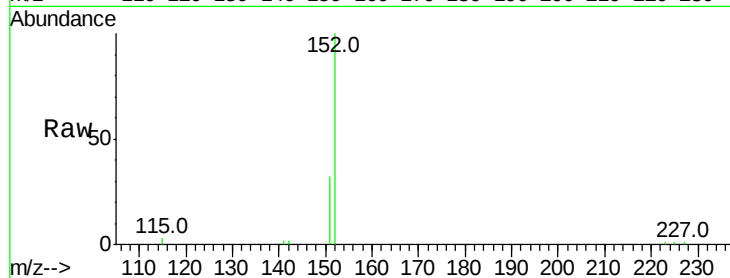
RE125D2-071118RE

Tot Ion:152 Resp: 5449

Ion Ratio Lower Upper

152 100

151 87.2 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

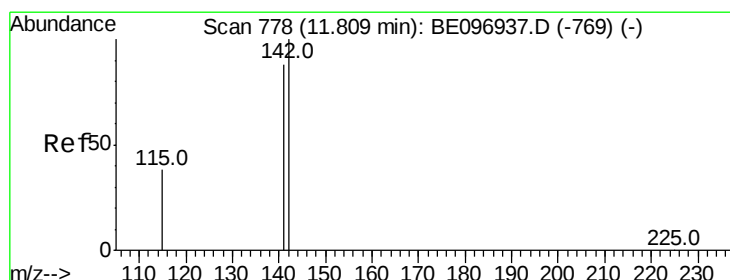
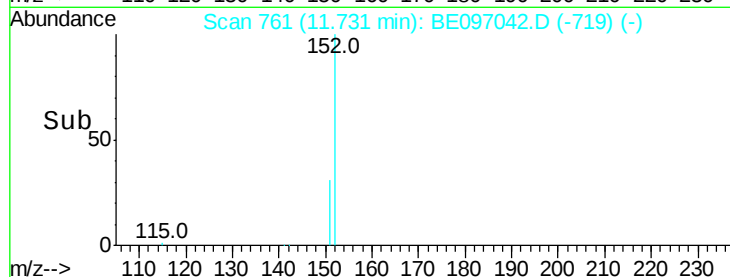
3000

2000

1000

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.036 ng

RT: 11.81 min Scan# 777

Delta R.T. 0.00 min

Lab File: BE097042.D

Acq: 23 Jul 2018 18:29

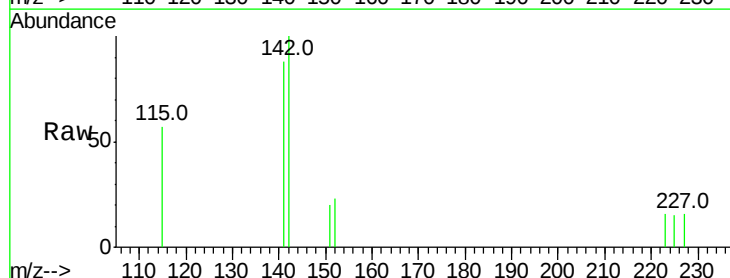
Tgt Ion:142 Resp: 381

Ion Ratio Lower Upper

142 100

141 87.6 70.4 105.6

115 57.0 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

11.81

400

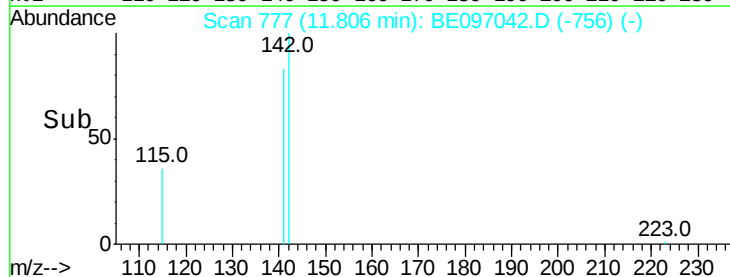
300

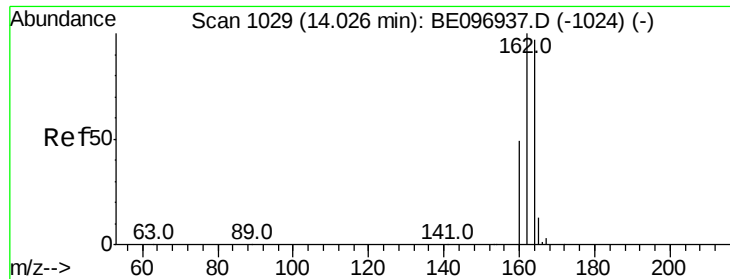
200

100

0

Time--> 11.70 11.75 11.80 11.85

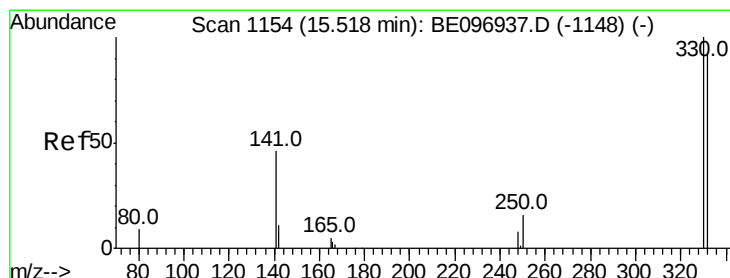
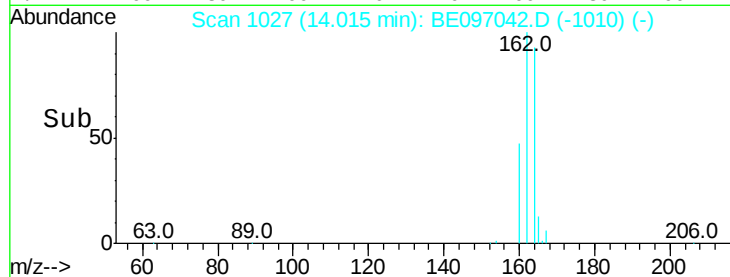
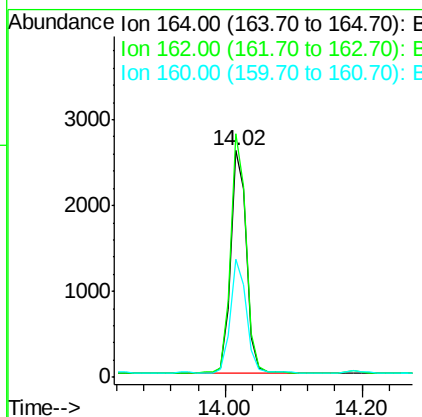
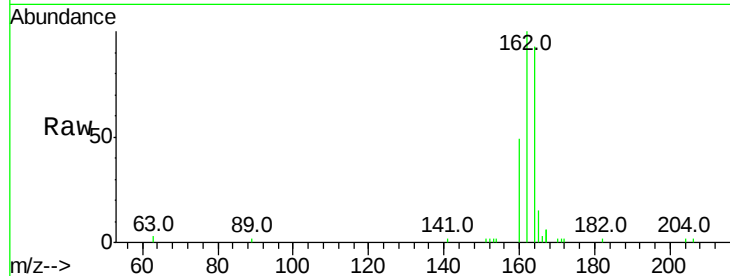




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.02 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE097042.D
 Acq: 23 Jul 2018 18:29

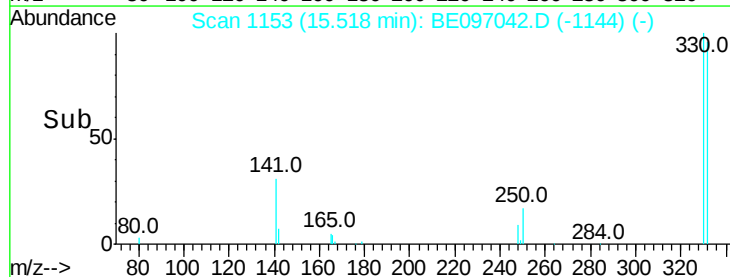
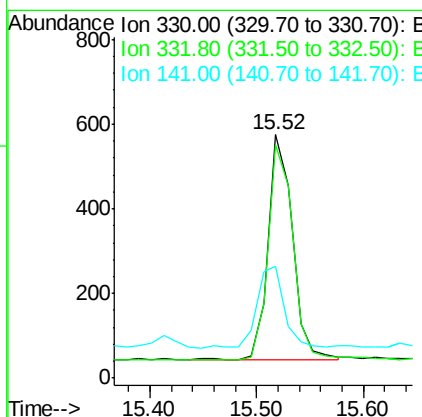
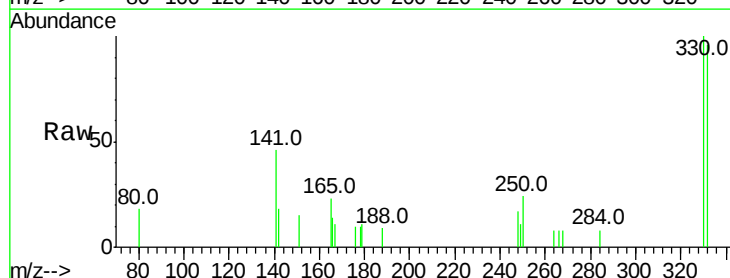
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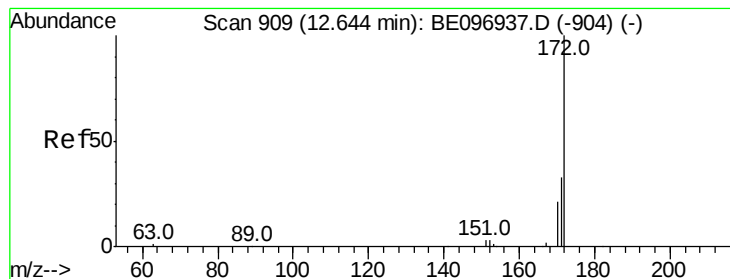
Tot Ion:164 Resp: 4195
 Ion Ratio Lower Upper
 164 100
 162 107.4 83.1 124.7
 160 52.3 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.804 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BE097042.D
 Acq: 23 Jul 2018 18:29

Tgt Ion:330 Resp: 847
 Ion Ratio Lower Upper
 330 100
 332 97.0 152.7 229.1#
 141 40.9 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.609 ng

RT: 12.63 min Scan# 907

Delta R.T. 0.00 min

Lab File: BE097042.D

Acq: 23 Jul 2018 18:29

Instrument :

BNA_E

ClientSampleId :

RE125D2-071118RE

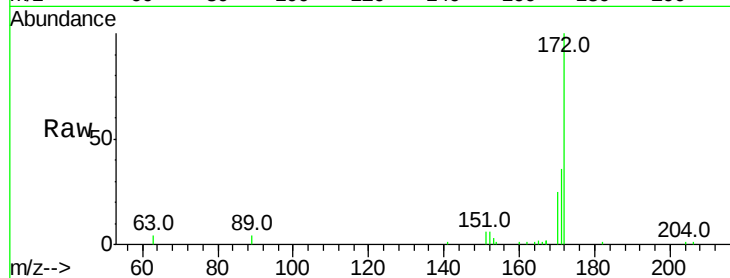
Tot Ion:172 Resp: 9510

Ion Ratio Lower Upper

172 100

171 35.6 29.9 44.9

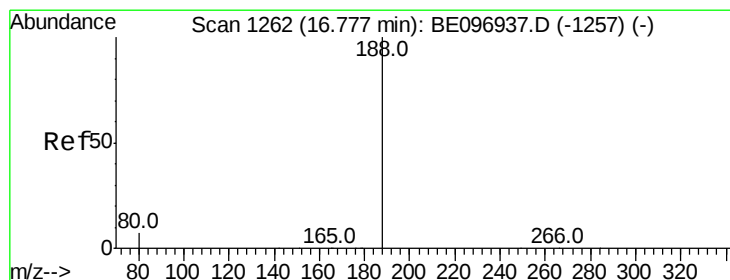
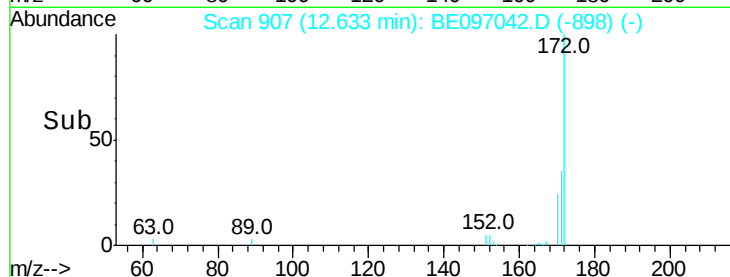
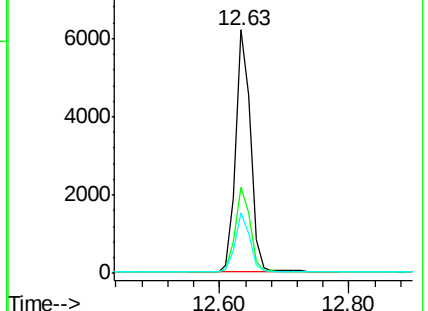
170 24.7 21.8 32.8



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: 16.76 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE097042.D

Acq: 23 Jul 2018 18:29

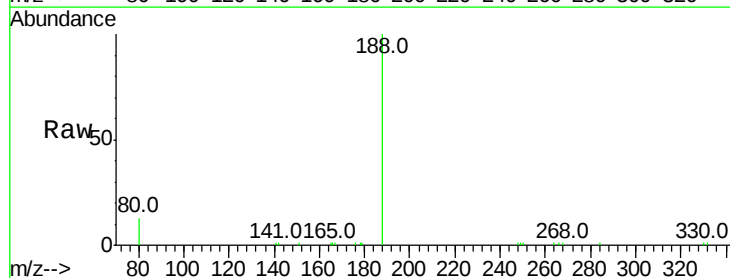
Tgt Ion:188 Resp: 11668

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

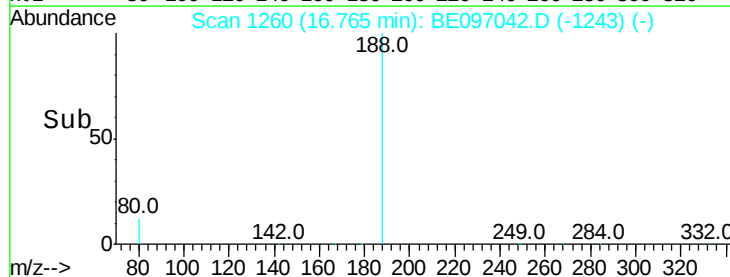
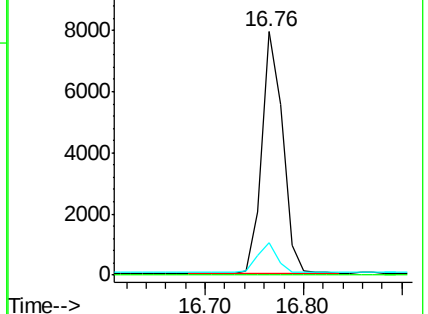
80 13.1 3.6 5.4#

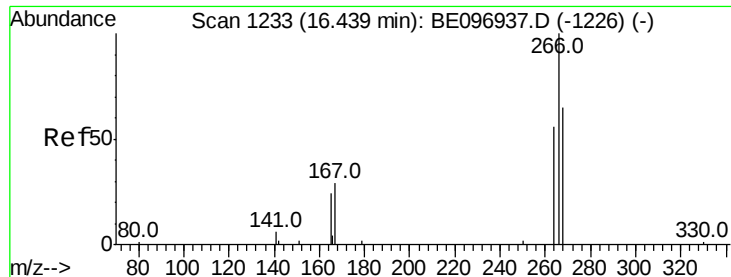


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

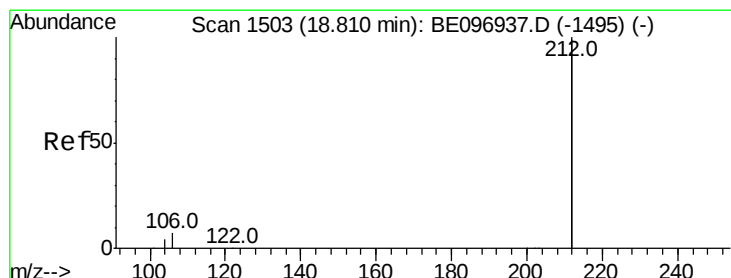
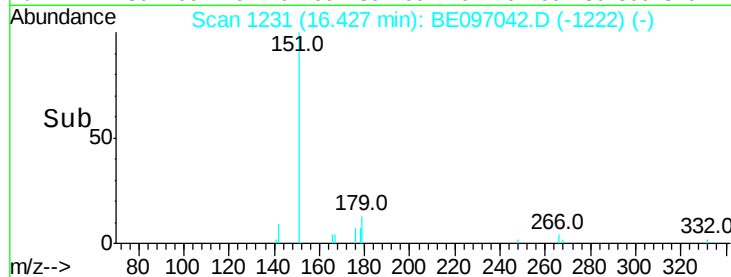
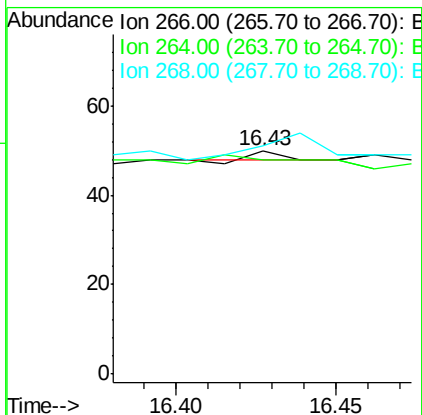
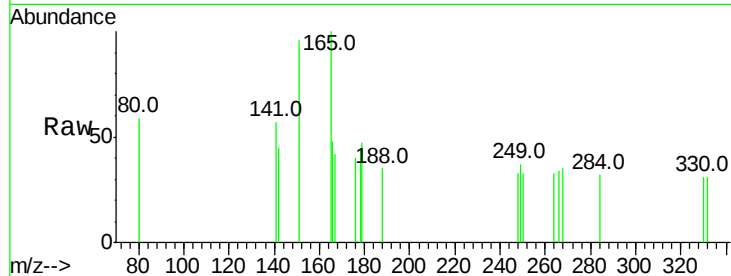




#22
 Pentachlorophenol
 Concen: Below Cal
 RT: 16.43 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BE097042.D
 Acq: 23 Jul 2018 18:29

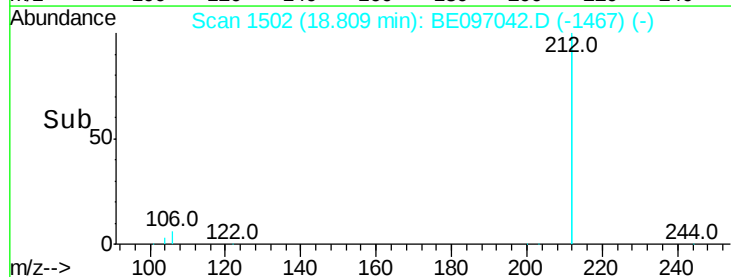
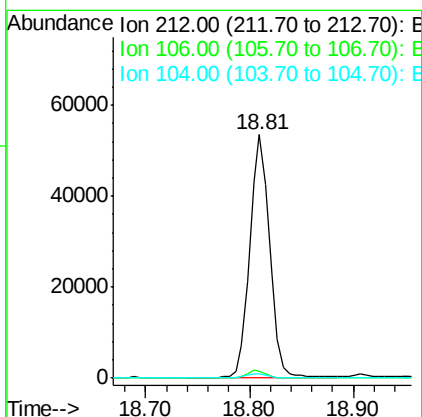
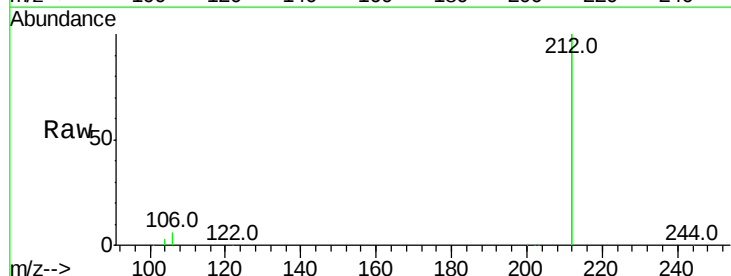
Instrument :
 BNA_E
 ClientSampleId :
 RE125D2-071118RE

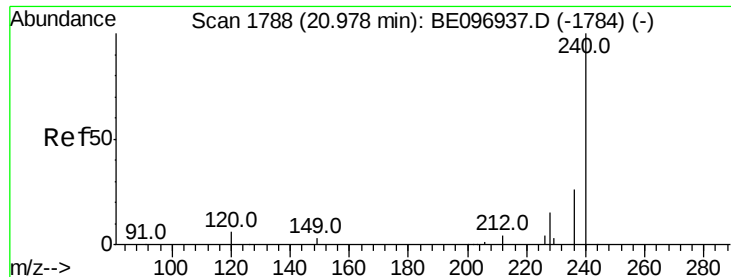
Tot Ion:266 Resp: 1
 Ion Ratio Lower Upper
 266 100
 264 96.0 72.5 108.7
 268 102.0 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.694 ng
 RT: 18.81 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: BE097042.D
 Acq: 23 Jul 2018 18:29

Tgt Ion:212 Resp: 70499
 Ion Ratio Lower Upper
 212 100
 106 3.2 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: BE097042.D

Acq: 23 Jul 2018 18:29

Instrument :

BNA_E

ClientSampleId :

RE125D2-071118RE

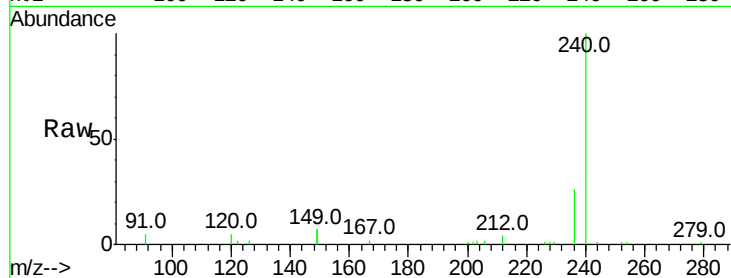
Tot Ion:240 Resp: 12979

Ion Ratio Lower Upper

240 100

120 4.7 5.5 8.3#

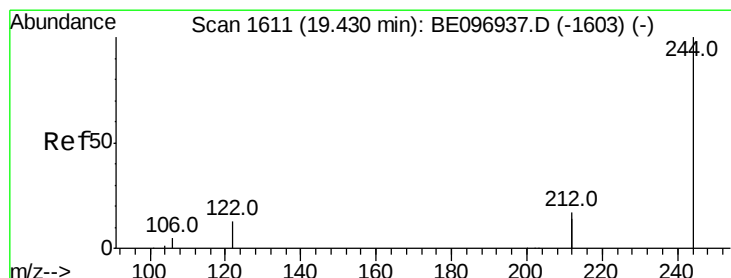
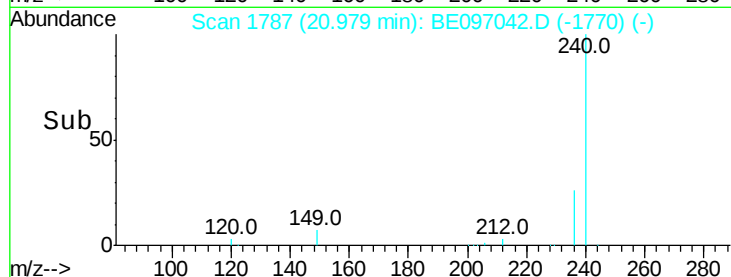
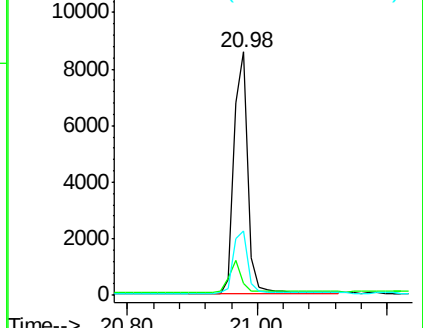
236 26.2 20.7 31.1



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: 0.800 ng

RT: 19.43 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BE097042.D

Acq: 23 Jul 2018 18:29

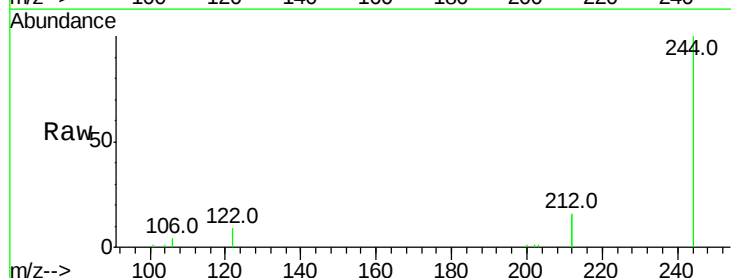
Tgt Ion:244 Resp: 20039

Ion Ratio Lower Upper

244 100

212 31.4 25.4 38.0

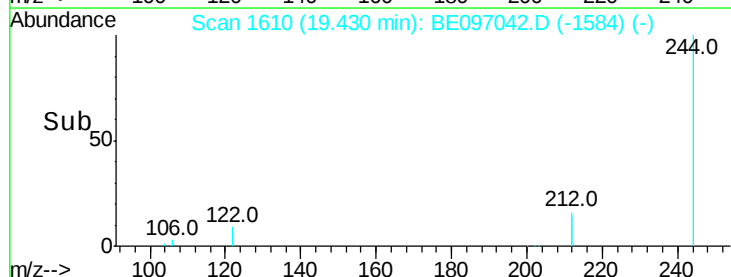
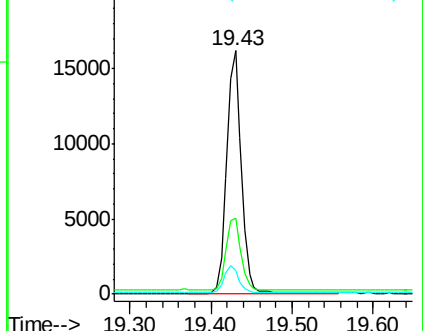
122 9.5 8.1 12.1

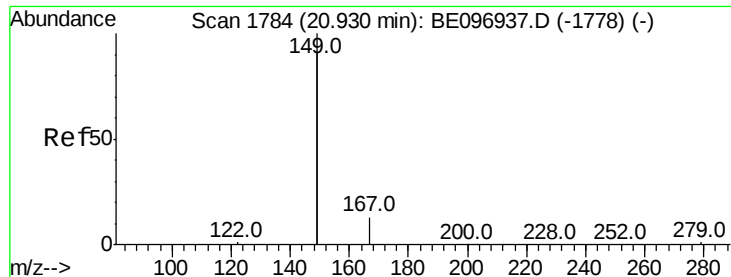


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

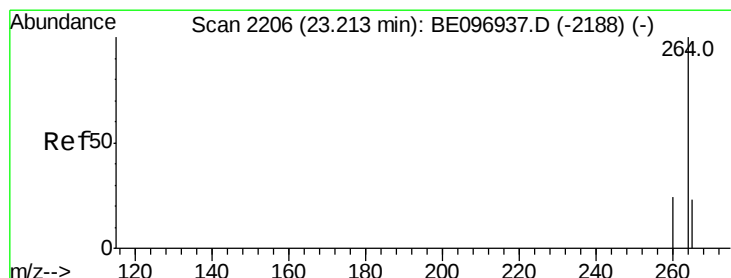
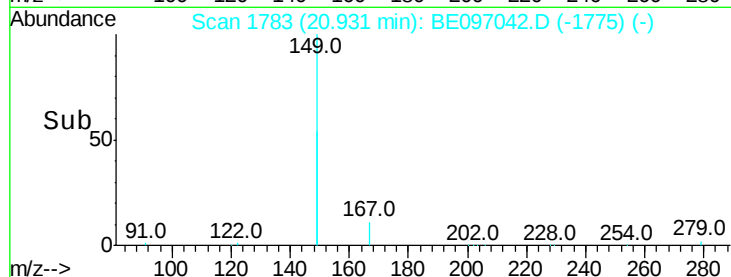
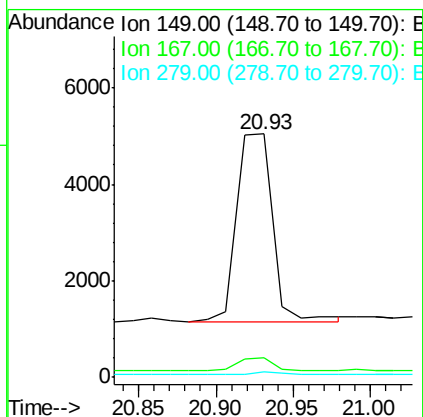
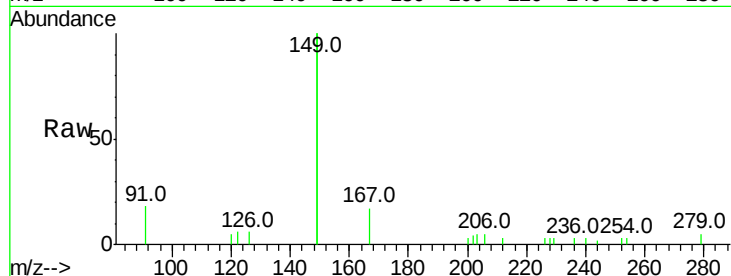




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.204 ng
 RT: 20.93 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BE097042.D
 Acq: 23 Jul 2018 18:29

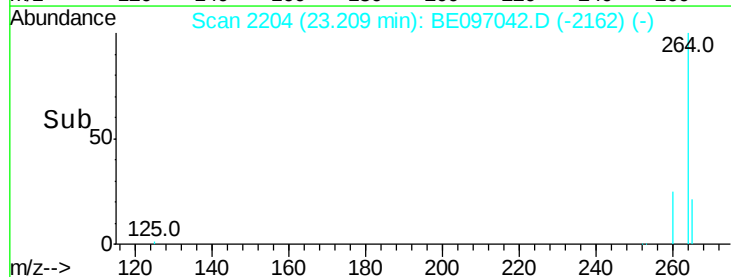
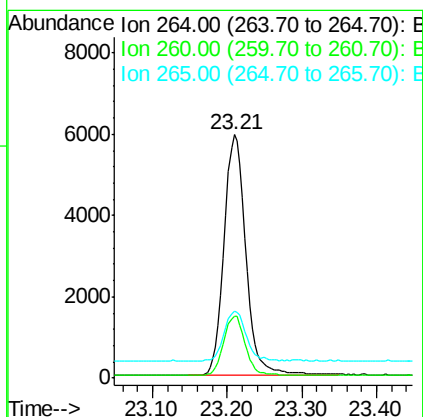
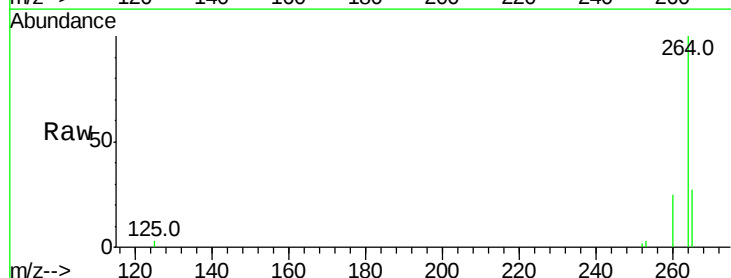
Instrument :
 BNA_E
 ClientSampleId :
 RE125D2-071118RE

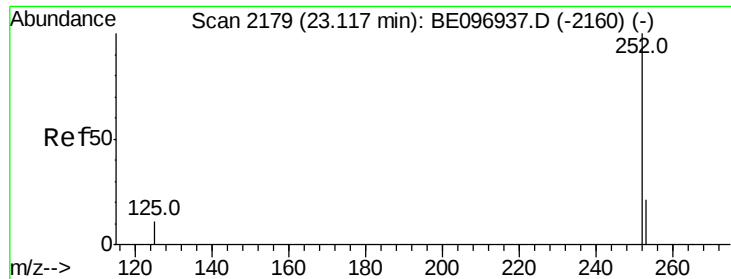
Tot Ion:149 Resp: 6281
 Ion Ratio Lower Upper
 149 100
 167 7.0 5.4 8.0
 279 1.1 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE097042.D
 Acq: 23 Jul 2018 18:29

Tgt Ion:264 Resp: 12036
 Ion Ratio Lower Upper
 264 100
 260 25.5 20.5 30.7
 265 27.4 22.8 34.2





#37

Benzo(a)pyrene

Concen: 0.103 ng

RT: 23.11 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BE097042.D

Acq: 23 Jul 2018 18:29

Instrument :

BNA_E

ClientSampleId :

RE125D2-071118RE

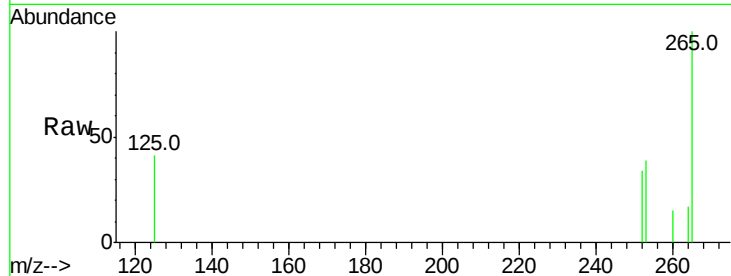
Tot Ion:252 Resp: 52

Ion Ratio Lower Upper

252 100

253 116.4 16.0 24.0#

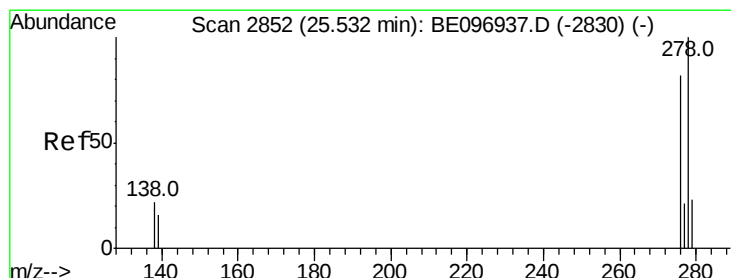
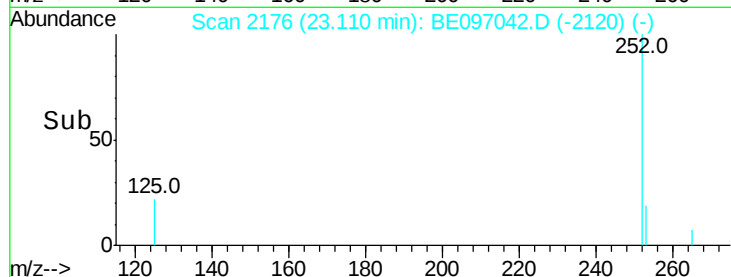
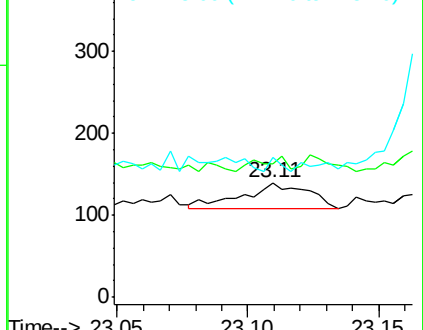
125 122.1 12.0 18.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BE097042.D

Acq: 23 Jul 2018 18:29

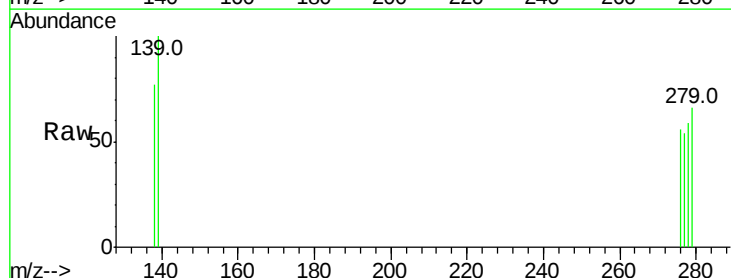
Tgt Ion:278 Resp: 12

Ion Ratio Lower Upper

278 100

139 170.4 16.0 24.0#

279 112.7 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

