

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE071918\
 Data File : BE097012.D
 Acq On : 19 Jul 2018 19:34
 Operator : SJ/JU
 Sample : J4014-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE105D2-071318

Quant Time: Jul 20 04:33:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 15:02:56 2018
 Response via : Initial Calibration

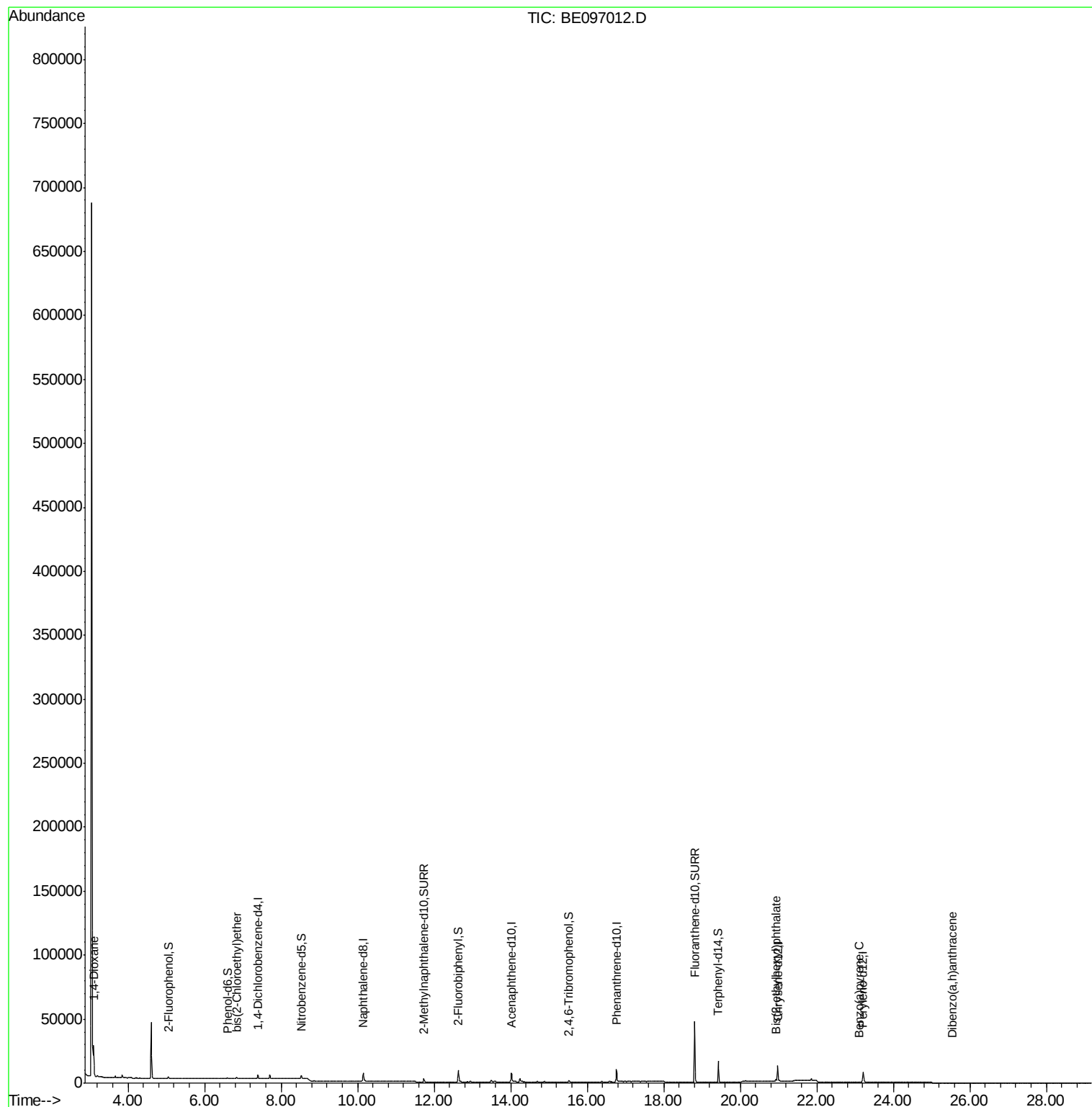
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1536	0.40	ng	-0.01
7) Naphthalene-d8	10.14	136	7140	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4393	0.40	ng	-0.01
19) Phenanthrene-d10	16.76	188	13077	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	12377	0.40	ng	0.00
34) Perylene-d12	23.21	264	11205	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	732	0.20	ng	0.00
5) Phenol-d6	6.60	99	594	0.11	ng	0.00
8) Nitrobenzene-d5	8.53	82	2419	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4202	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	541	0.53	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	8387	0.51	ng	-0.01
25) Fluoranthene-d10	18.81	212	61411	0.54	ng	0.00
29) Terphenyl-d14	19.43	244	13983	0.59	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.09	88	9747	4.433	ng	93
6) bis(2-Chloroethyl)ether	6.84	93	411	0.075	ng	99
22) Pentachlorophenol	16.45	266	8	Below Cal		93
32) Bis(2-ethylhexyl)phthalate	20.93	149	2507	0.085	ng	99
37) Benzo(a)pyrene	23.12	252	6	0.101	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	8	0.118	ng	# 1

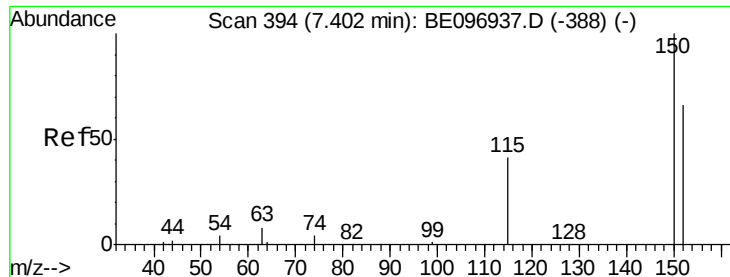
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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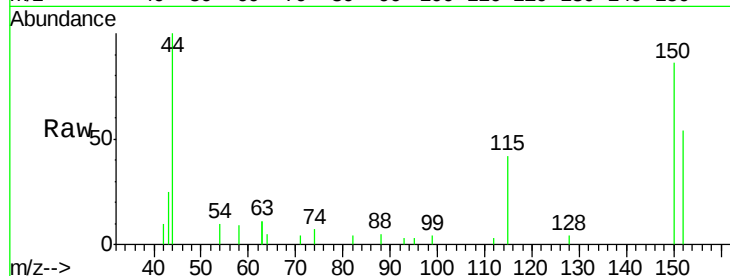


#1

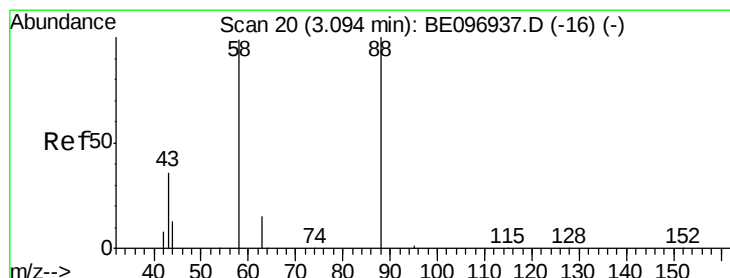
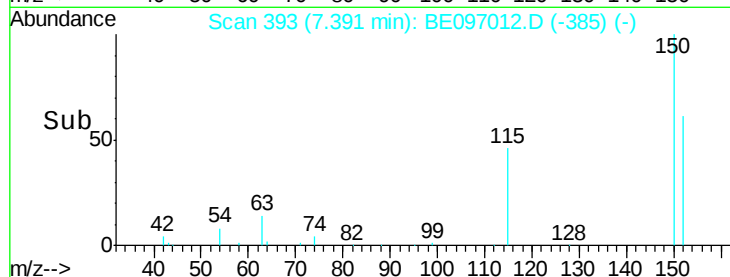
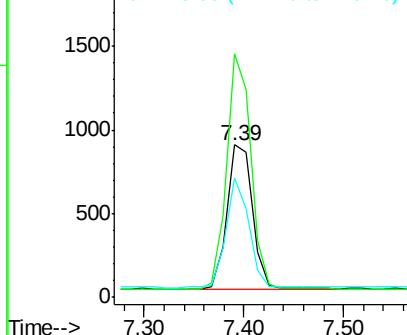
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.01 min
Lab File: BE097012.D
Acq: 19 Jul 2018 19:34

Instrument :
BNA_E
ClientSampleId :
RE105D2-071318

Tgt Ion:152 Resp: 1536
Ion Ratio Lower Upper
152 100
150 159.6 117.2 175.8
115 78.5 57.0 85.6



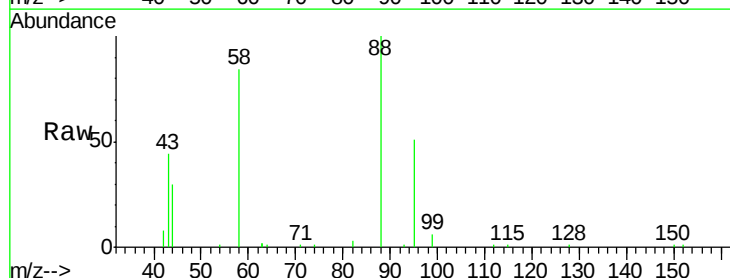
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



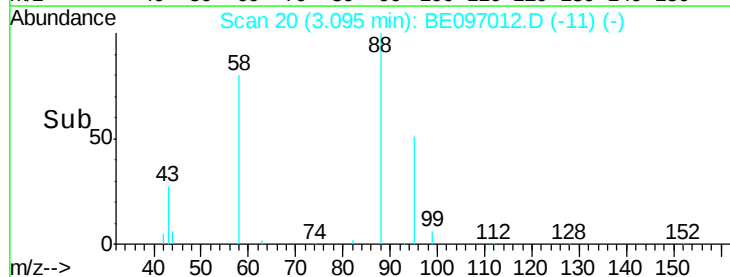
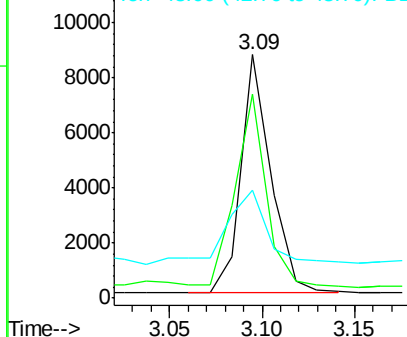
#2

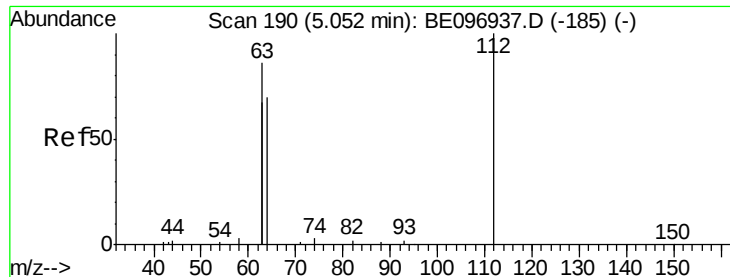
1,4-Dioxane
Concen: 4.433 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097012.D
Acq: 19 Jul 2018 19:34

Tgt Ion: 88 Resp: 9747
Ion Ratio Lower Upper
88 100
58 82.3 63.2 94.8
43 43.3 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: 0.199 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097012.D

Acq: 19 Jul 2018 19:34

Instrument :

BNA_E

ClientSampleId :

RE105D2-071318

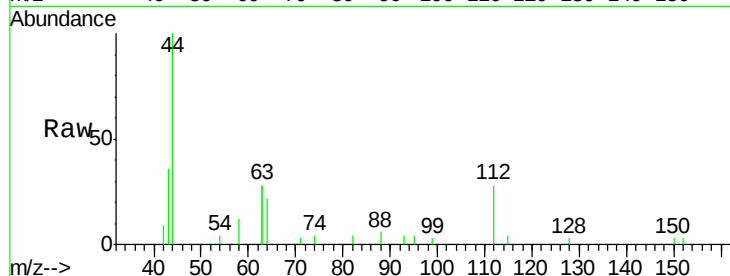
Tgt Ion: 112 Resp: 732

Ion Ratio Lower Upper

112 100

64 65.2 60.1 90.1

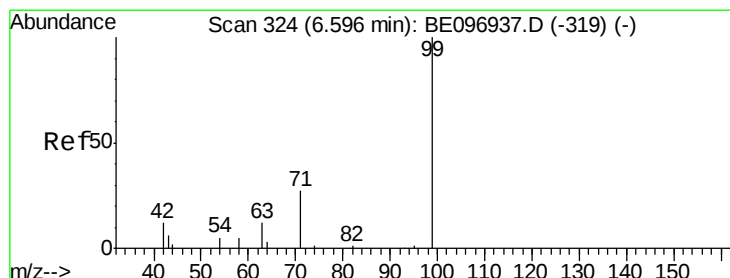
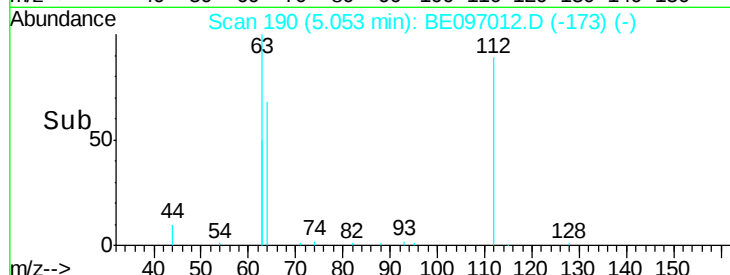
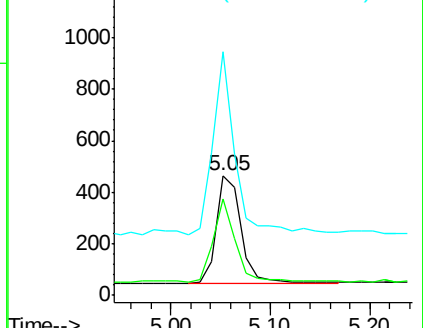
63 149.3 116.8 175.2



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: 0.106 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097012.D

Acq: 19 Jul 2018 19:34

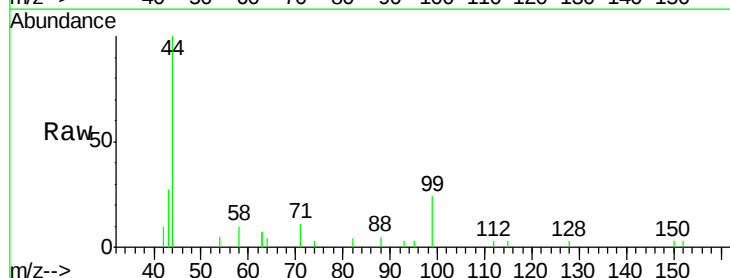
Tgt Ion: 99 Resp: 594

Ion Ratio Lower Upper

99 100

42 23.4 20.2 30.2

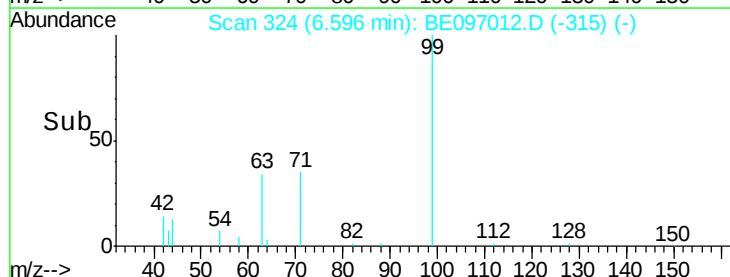
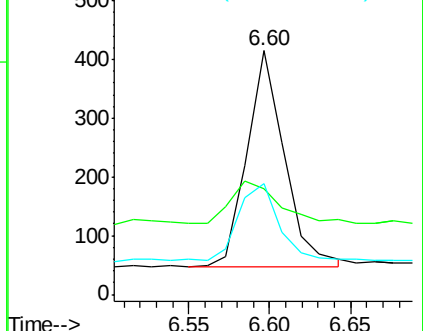
71 39.1 28.4 42.6

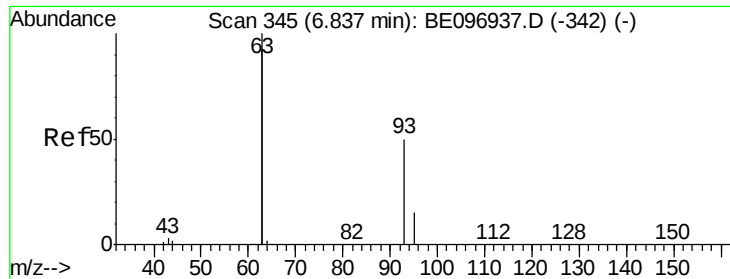


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.075 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097012.D

Acq: 19 Jul 2018 19:34

Instrument :

BNA_E

ClientSampleId :

RE105D2-071318

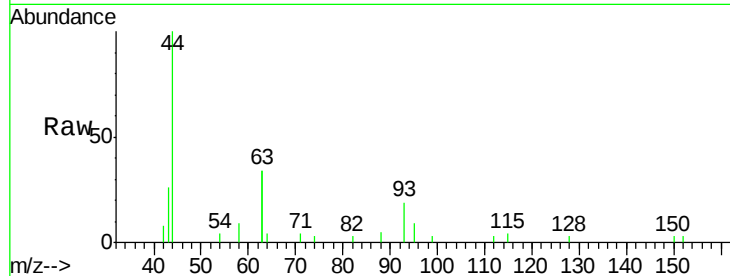
Tgt Ion: 93 Resp: 411

Ion Ratio Lower Upper

93 100

63 343.1 275.3 412.9

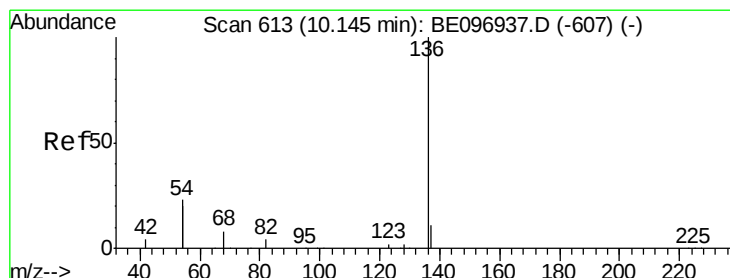
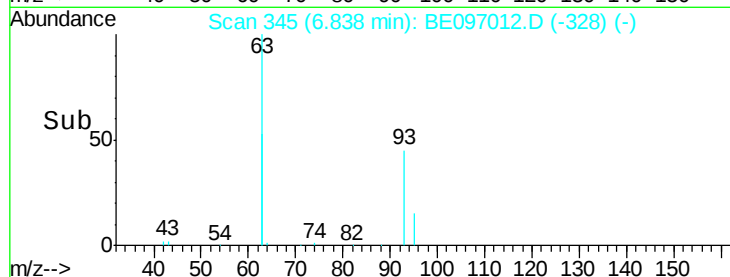
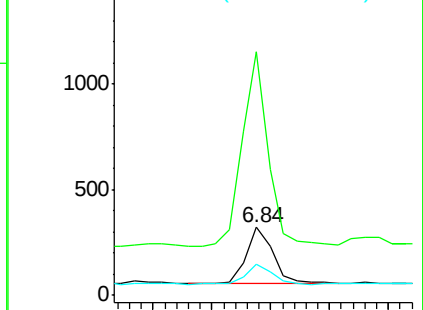
95 35.8 25.2 37.8



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: 10.14 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097012.D

Acq: 19 Jul 2018 19:34

Tgt Ion: 136 Resp: 7140

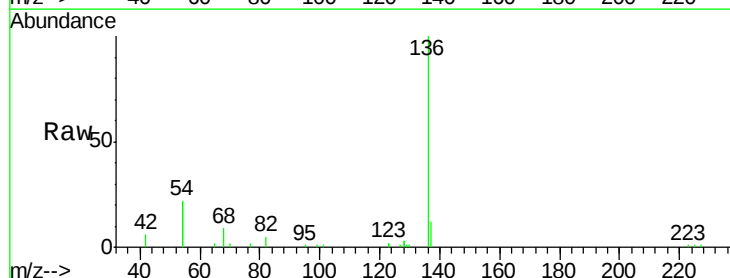
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 44.3 29.1 43.7#

68 8.6 6.2 9.2

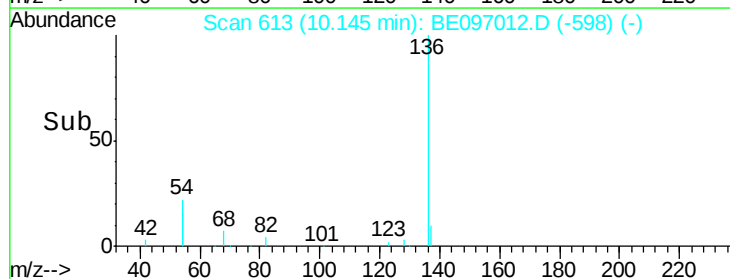
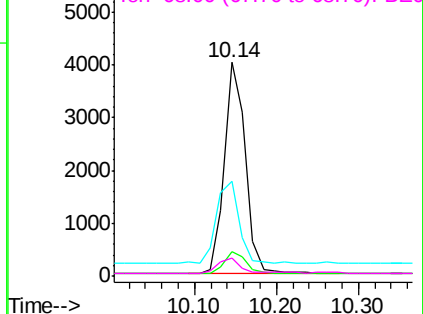


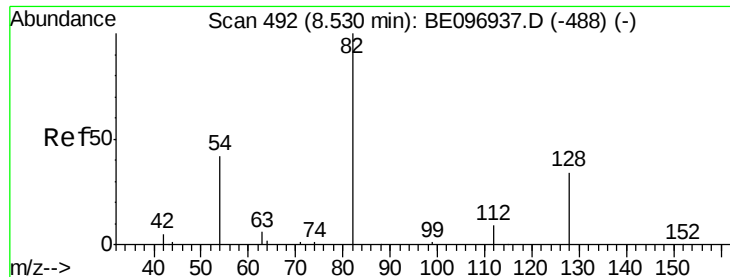
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.464 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097012.D

Acq: 19 Jul 2018 19:34

Instrument :

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RE105D2-071318

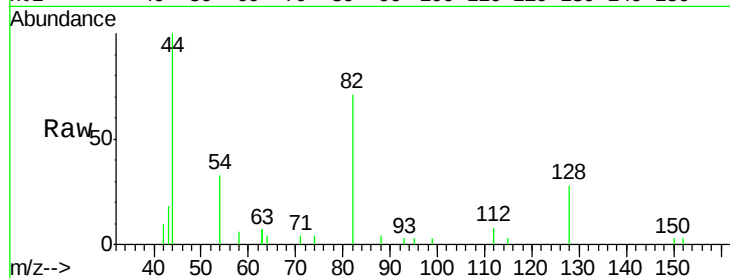
Tgt Ion: 82 Resp: 2419

Ion Ratio Lower Upper

82 100

128 38.7 24.0 36.0#

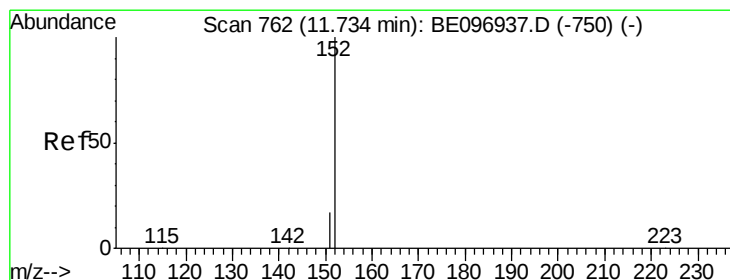
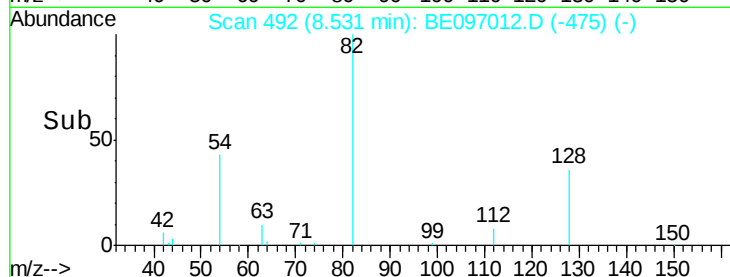
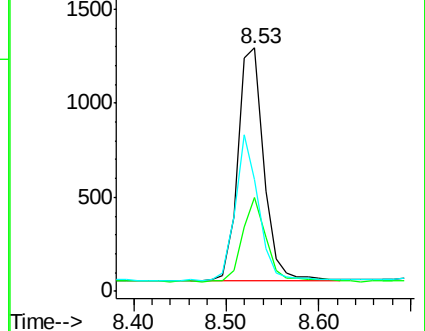
54 45.9 40.0 60.0



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



#11

2-Methylnaphthalene-d10

Concen: 0.404 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097012.D

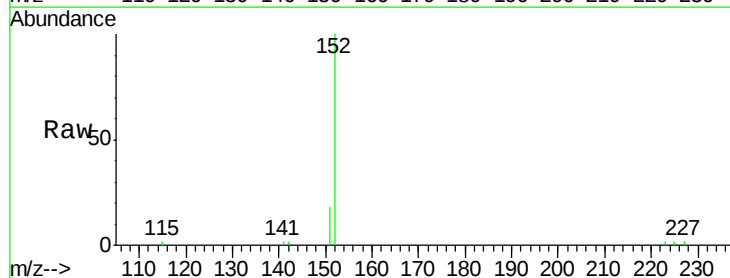
Acq: 19 Jul 2018 19:34

Tgt Ion: 152 Resp: 4202

Ion Ratio Lower Upper

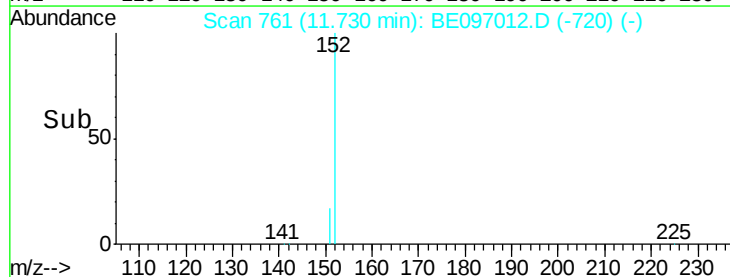
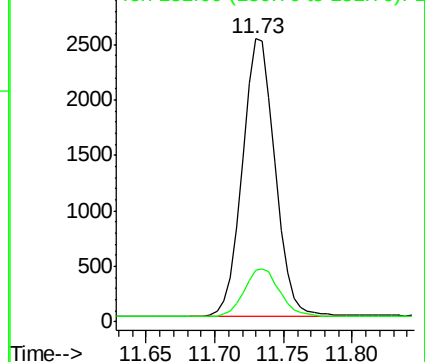
152 100

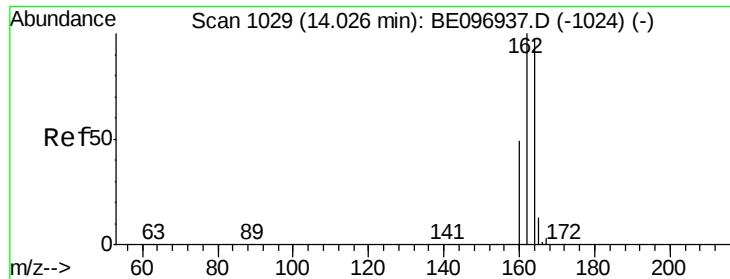
151 18.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BE097012.D

Acq: 19 Jul 2018 19:34

Instrument :

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ClientSampleId :

RE105D2-071318

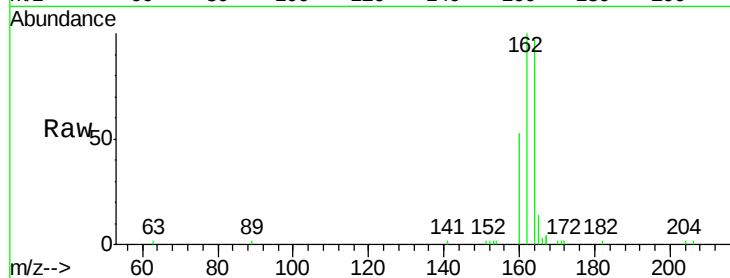
Tgt Ion:164 Resp: 4393

Ion Ratio Lower Upper

164 100

162 102.8 83.1 124.7

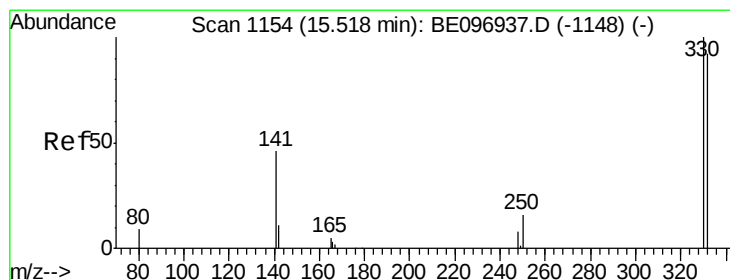
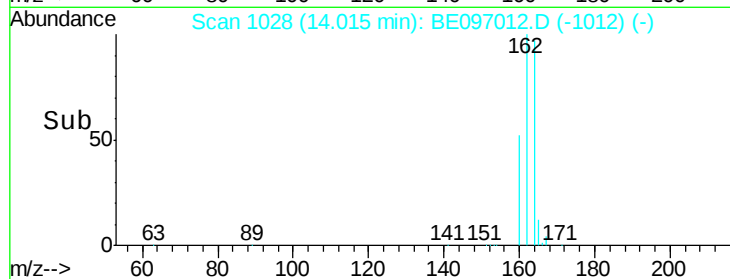
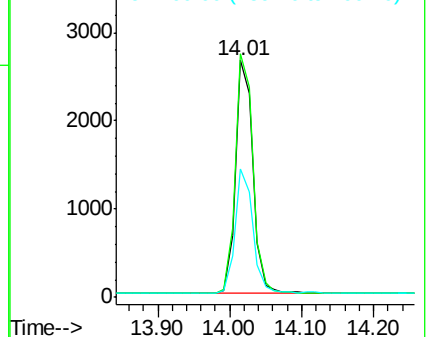
160 54.3 37.1 55.7



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: 0.534 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097012.D

Acq: 19 Jul 2018 19:34

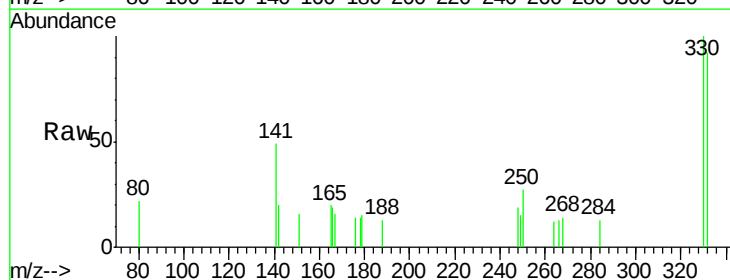
Tgt Ion:330 Resp: 541

Ion Ratio Lower Upper

330 100

332 95.2 152.7 229.1#

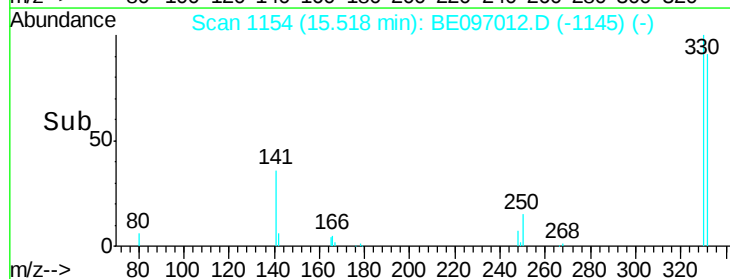
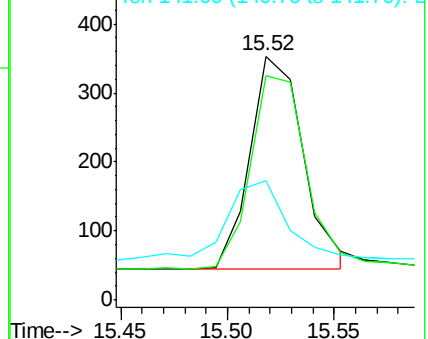
141 43.4 33.7 50.5

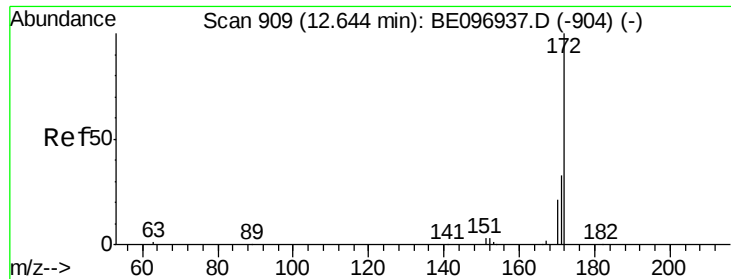


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

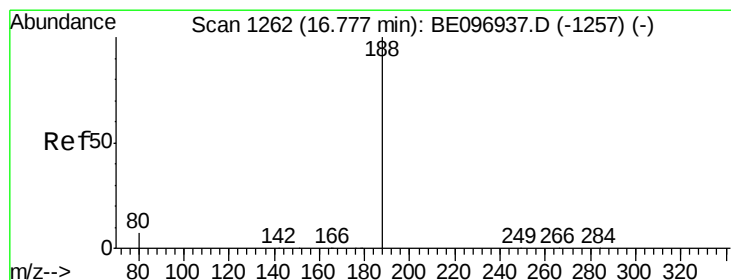
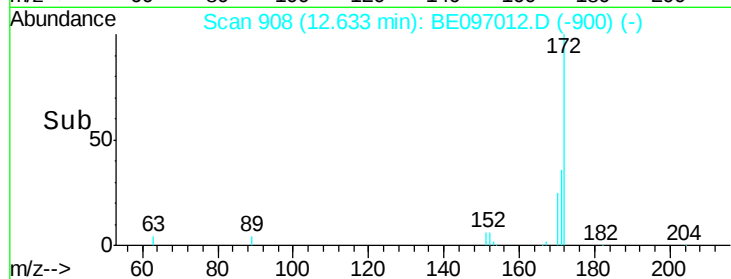
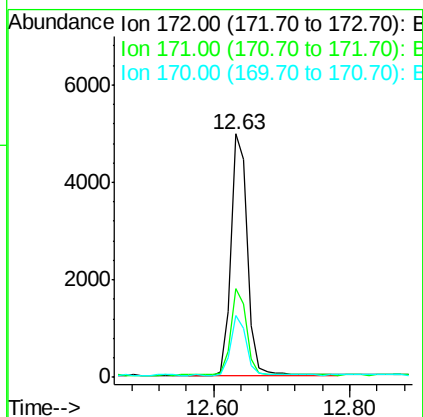
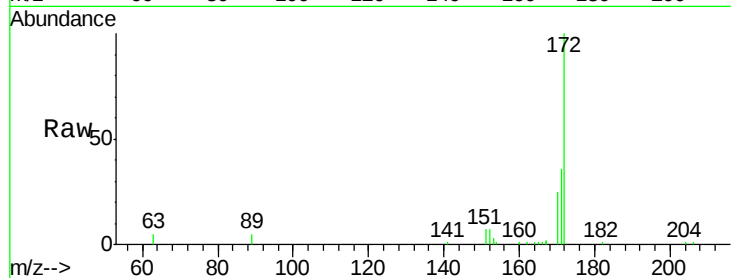




#15
 2-Fluorobiphenyl
 Concen: 0.513 ng
 RT: 12.63 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BE097012.D
 Acq: 19 Jul 2018 19:34

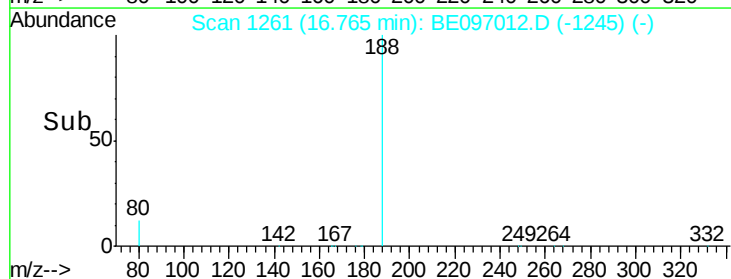
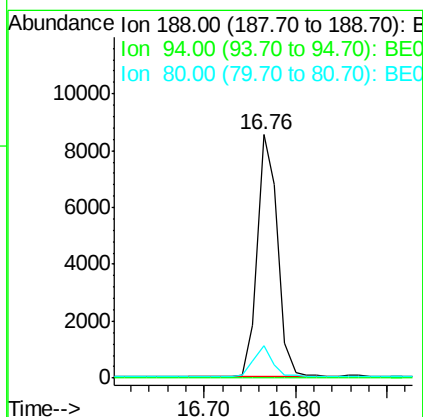
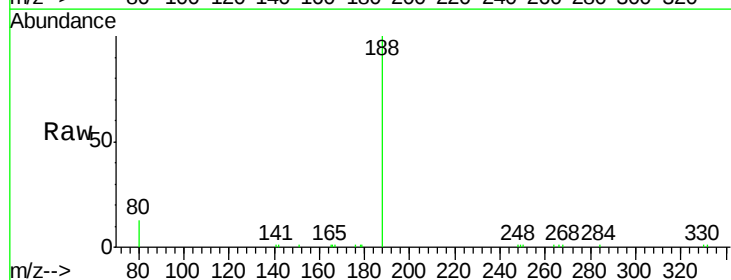
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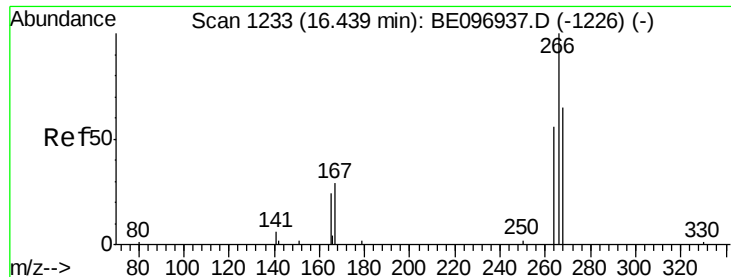
Tgt Ion:172 Resp: 8387
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.9 44.9
 170 25.5 21.8 32.8



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.76 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: BE097012.D
 Acq: 19 Jul 2018 19:34

Tgt Ion:188 Resp: 13077
 Ion Ratio Lower Upper
 188 100
 94 0.0 3.9 5.9#
 80 13.1 3.6 5.4#

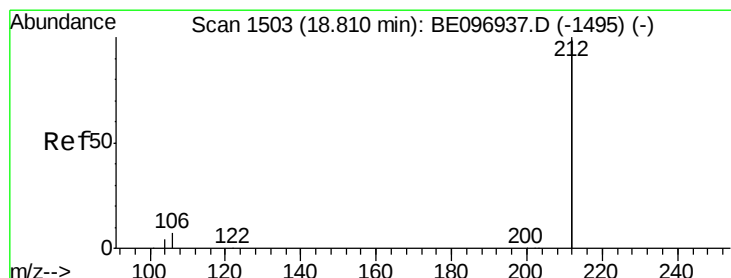
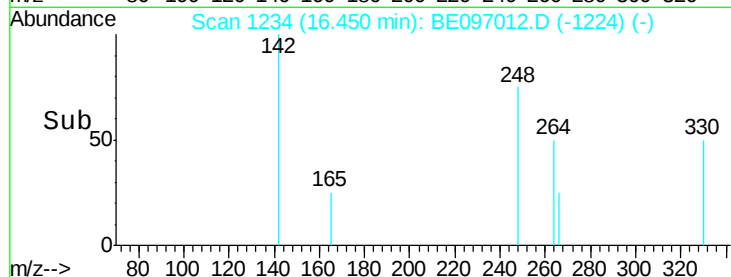
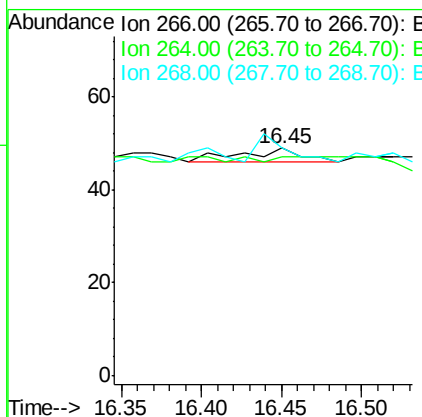
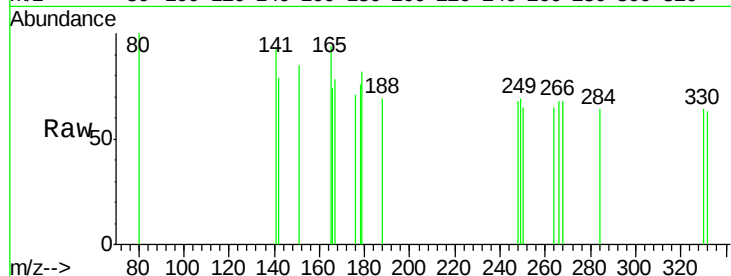




#22
 Pentachlorophenol
 Concen: Below Cal
 RT: 16.45 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: BE097012.D
 Acq: 19 Jul 2018 19:34

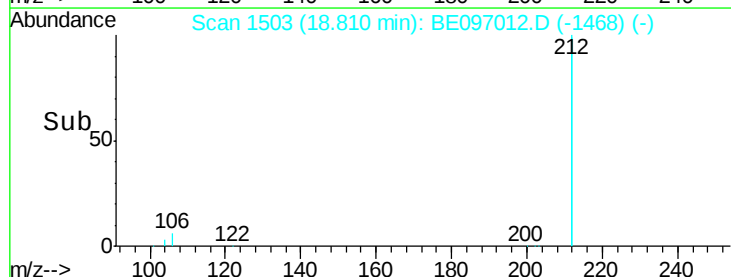
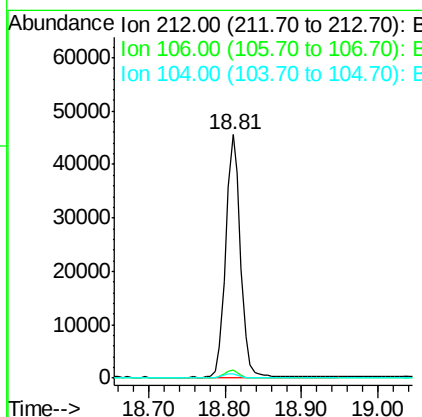
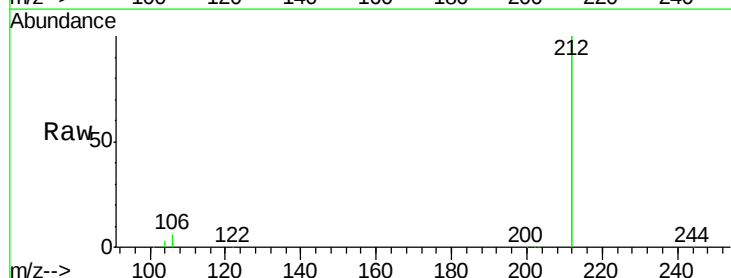
Instrument :
 BNA_E
 ClientSampleId :
 RE105D2-071318

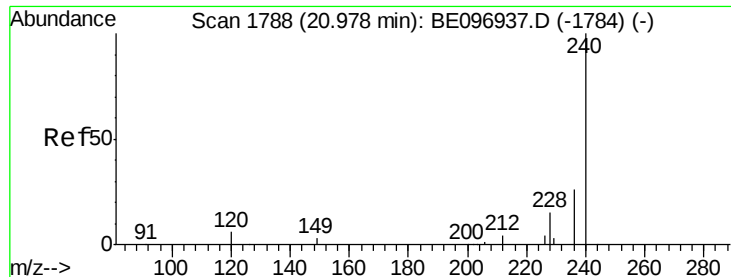
Tgt Ion: 266 Resp: 8
 Ion Ratio Lower Upper
 266 100
 264 95.9 72.5 108.7
 268 100.0 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.540 ng
 RT: 18.81 min Scan# 1503
 Delta R.T. -0.00 min
 Lab File: BE097012.D
 Acq: 19 Jul 2018 19:34

Tgt Ion: 212 Resp: 61411
 Ion Ratio Lower Upper
 212 100
 106 3.1 2.8 4.2
 104 1.6 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097012.D

Acq: 19 Jul 2018 19:34

Instrument :

BNA_E

ClientSampleId :

RE105D2-071318

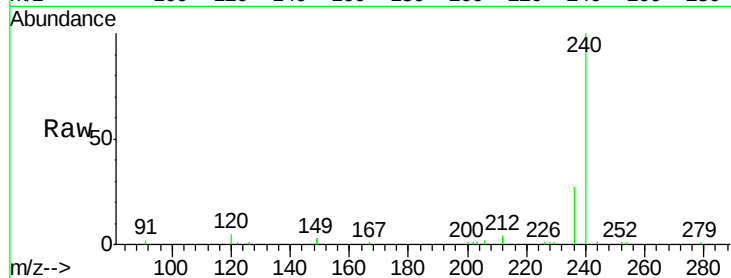
Tgt Ion:240 Resp: 12377

Ion Ratio Lower Upper

240 100

120 4.9 5.5 8.3#

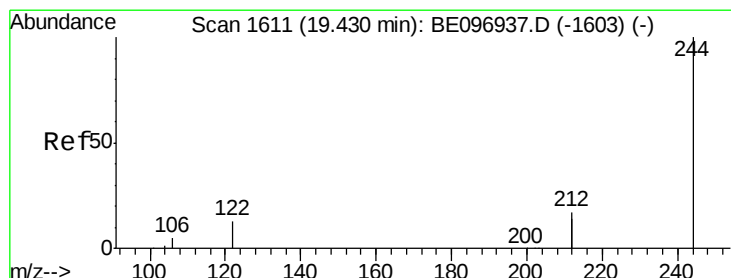
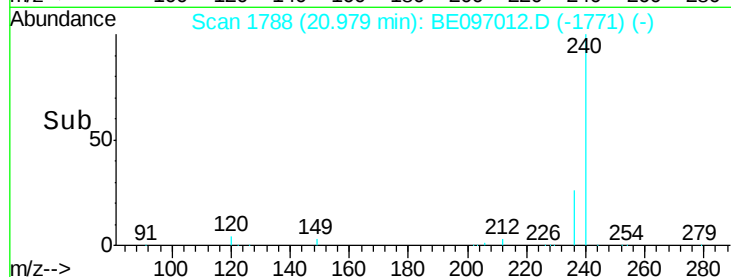
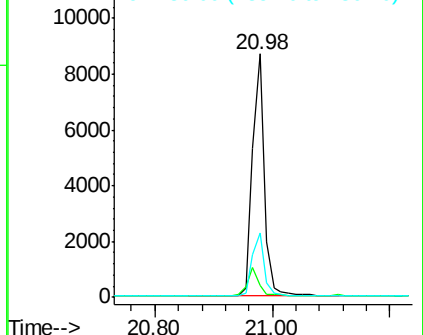
236 26.6 20.7 31.1



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: 0.586 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE097012.D

Acq: 19 Jul 2018 19:34

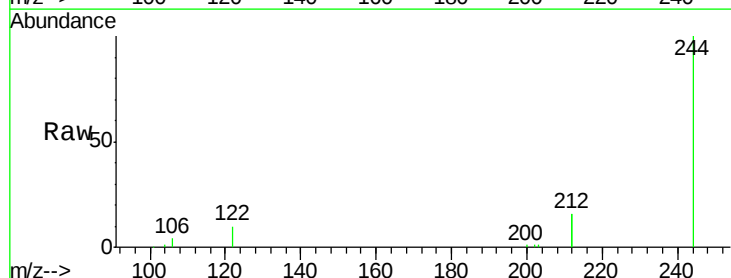
Tgt Ion:244 Resp: 13983

Ion Ratio Lower Upper

244 100

212 32.0 25.4 38.0

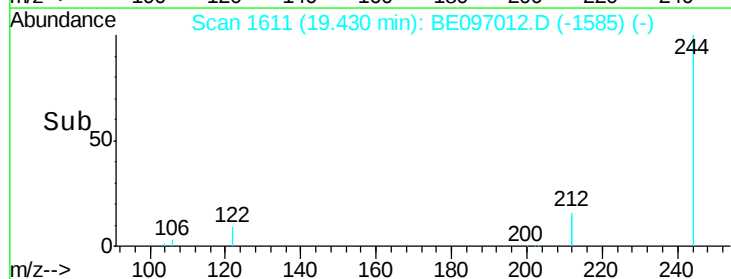
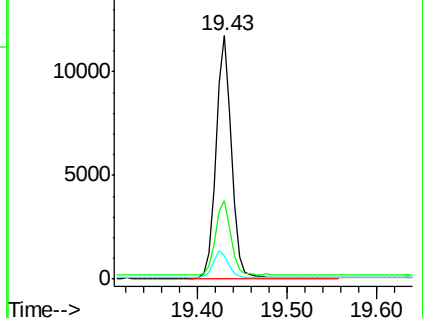
122 9.7 8.1 12.1

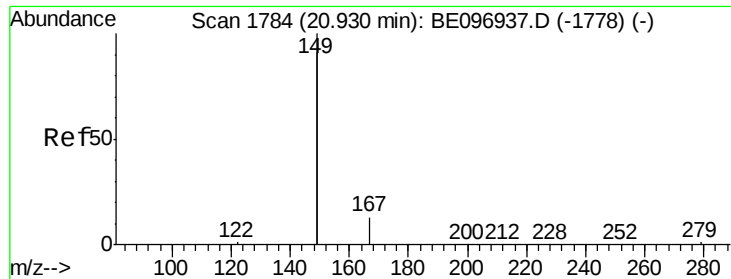


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

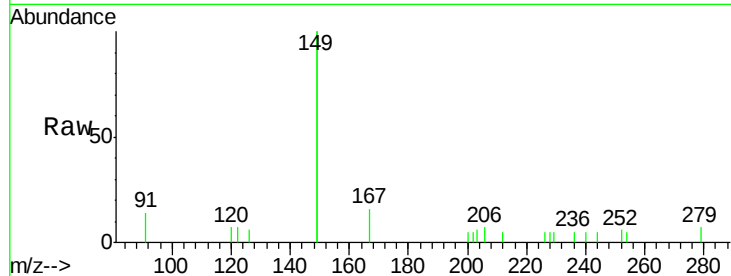




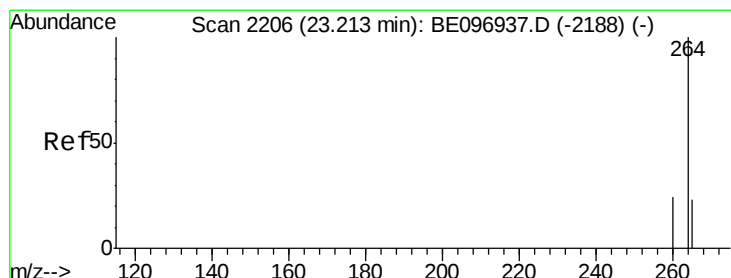
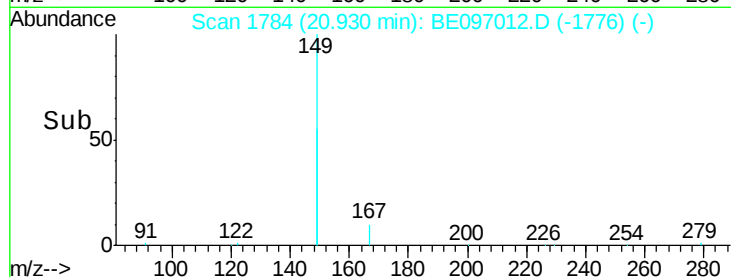
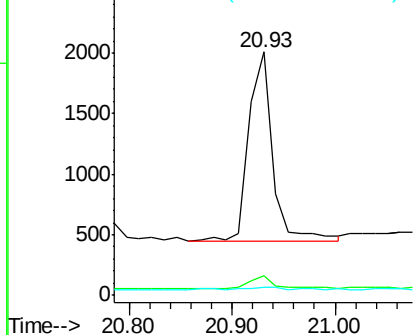
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.085 ng
 RT: 20.93 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: BE097012.D
 Acq: 19 Jul 2018 19:34

Instrument :
 BNA_E
 ClientSampleId :
 RE105D2-071318

Tgt Ion:149 Resp: 2507
 Ion Ratio Lower Upper
 149 100
 167 6.1 5.4 8.0
 279 1.1 0.7 1.1

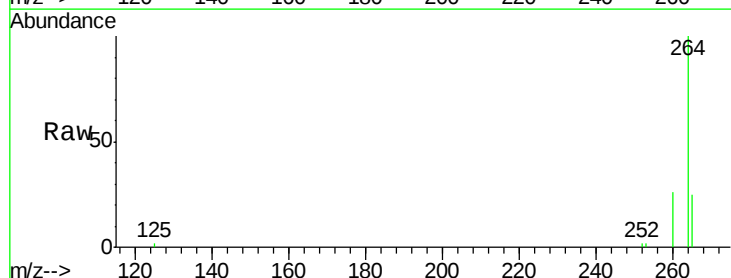


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

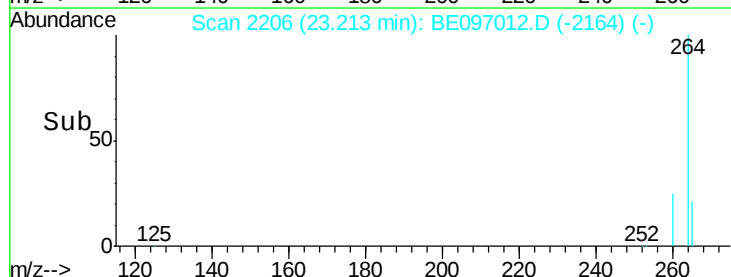
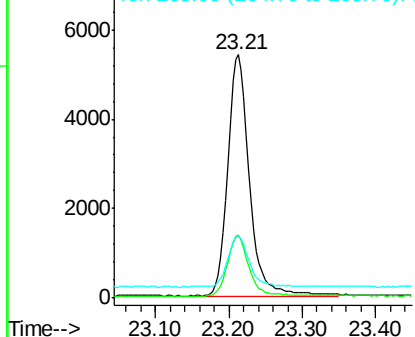


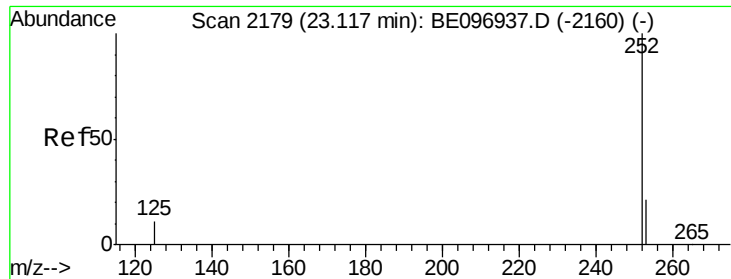
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BE097012.D
 Acq: 19 Jul 2018 19:34

Tgt Ion:264 Resp: 11205
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.5 30.7
 265 25.5 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





#37

Benzo(a)pyrene

Concen: 0.101 ng

RT: 23.12 min Scan# 2179

Delta R.T. -0.00 min

Lab File: BE097012.D

Acq: 19 Jul 2018 19:34

Instrument :

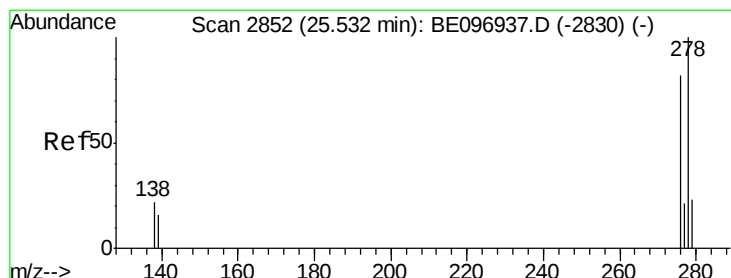
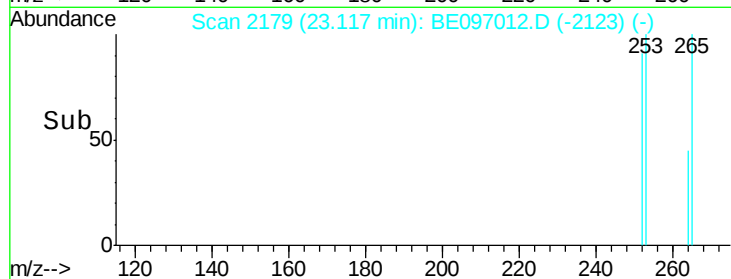
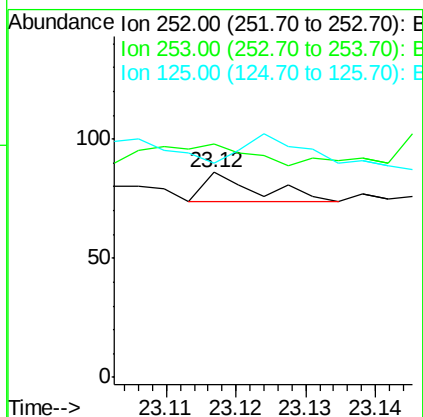
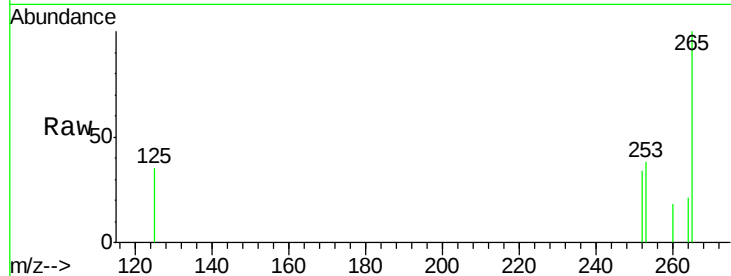
BNA_E

ClientSampleId :

RE105D2-071318

Tgt Ion: 252 Resp: 6

Ion	Ratio	Lower	Upper
252	100		
253	114.0	16.0	24.0#
125	104.7	12.0	18.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.53 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BE097012.D

Acq: 19 Jul 2018 19:34

Tgt Ion: 278 Resp: 8

Ion	Ratio	Lower	Upper
278	100		
139	109.1	16.0	24.0#
279	107.3	20.0	30.0#

