

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097061.D
 Acq On : 24 Jul 2018 6:58
 Operator : SJ/JU
 Sample : J4073-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE109D2-071618

Quant Time: Jul 24 08:00:56 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	1361	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6679	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4019	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	12208	0.40	ng	0.00
27) Chrysene-d12	20.98	240	13914	0.40	ng	0.00
34) Perylene-d12	23.21	264	13647	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	386	0.12	ng	0.00
5) Phenol-d6	6.60	99	373	0.08	ng	0.00
8) Nitrobenzene-d5	8.52	82	2136	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3417	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	369	0.42	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	6720	0.45	ng	0.00
25) Fluoranthene-d10	18.81	212	52971	0.50	ng	0.00
29) Terphenyl-d14	19.43	244	14950	0.56	ng	0.00

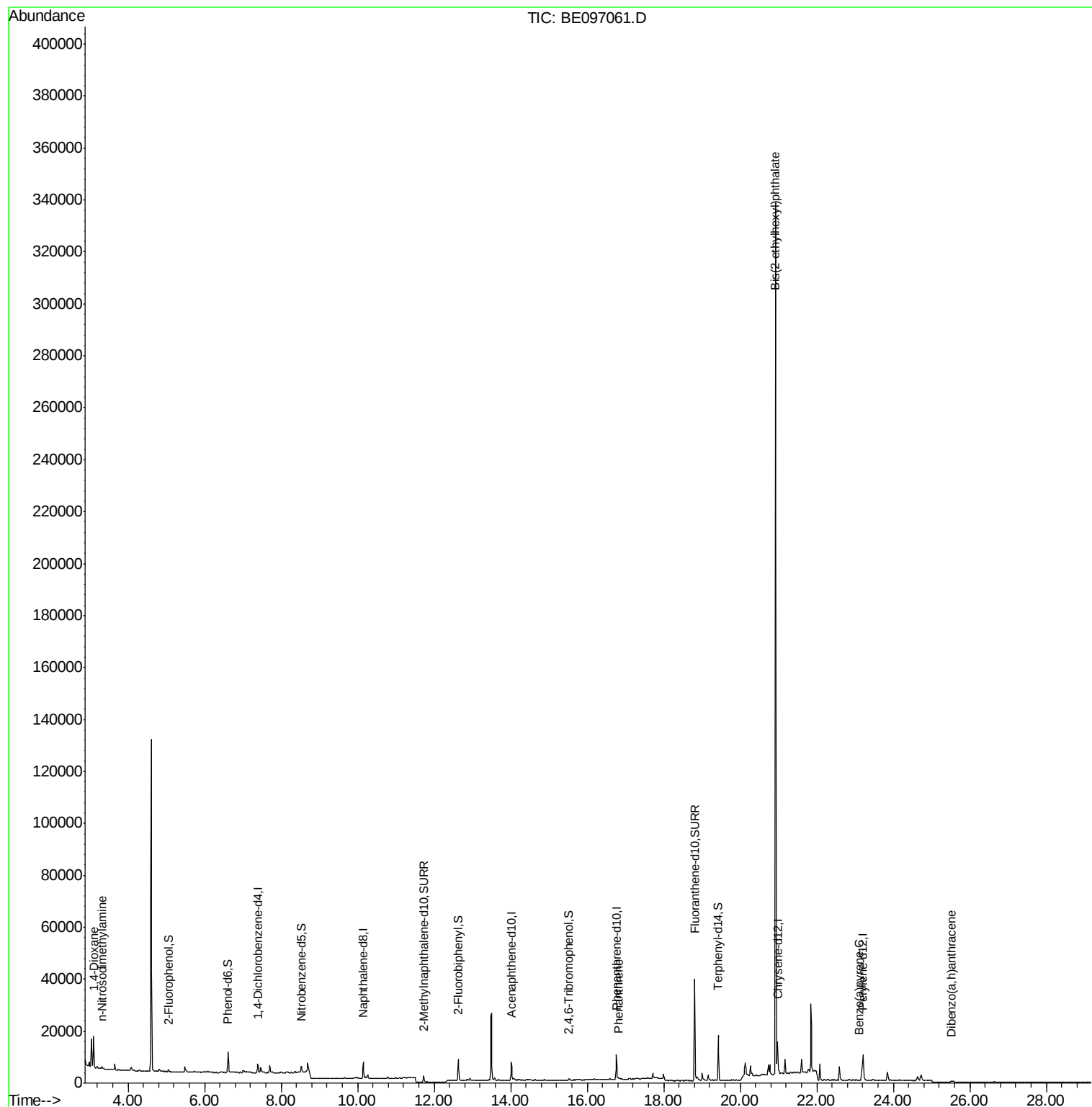
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	6591	3.383	ng	# 90
3) n-Nitrosodimethylamine	3.31	42	241	0.110	ng	# 1
23) Phenanthrene	16.81	178	696	0.024	ng	# 81
32) Bis(2-ethylhexyl)phthalate	20.92	149	398279	12.042	ng	100
37) Benzo(a)pyrene	23.11	252	209	0.107	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	75	0.120	ng	# 1

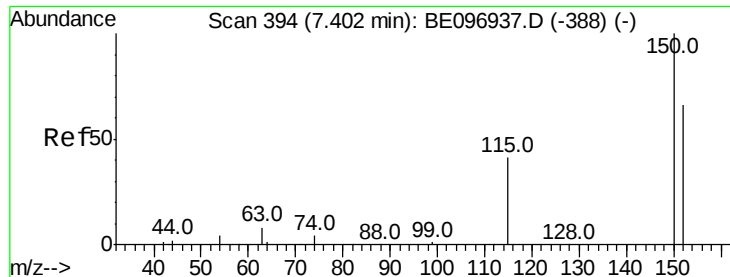
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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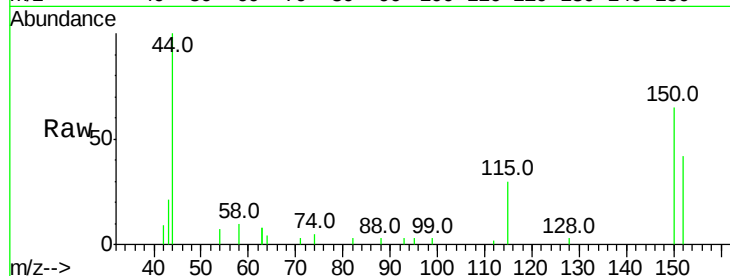


#1

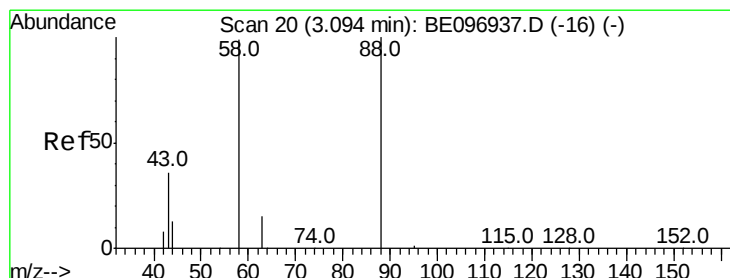
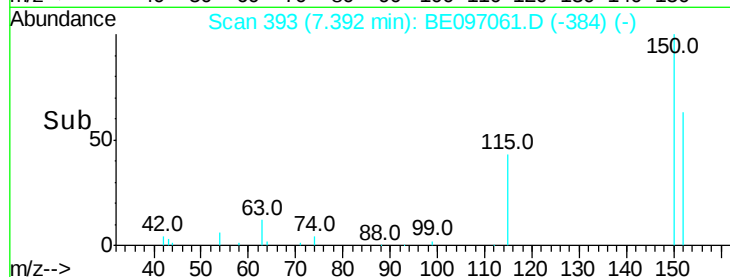
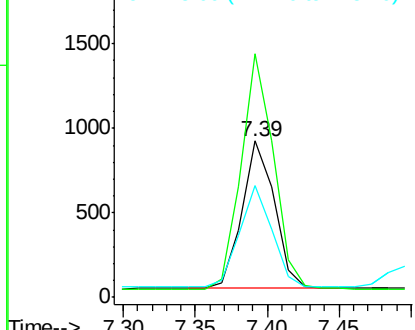
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097061.D
Acq: 24 Jul 2018 6:58

Instrument :
BNA_E
ClientSampleId :
RE109D2-071618

Tot Ion:152 Resp: 1361
Ion Ratio Lower Upper
152 100
150 156.1 117.2 175.8
115 71.5 57.0 85.6



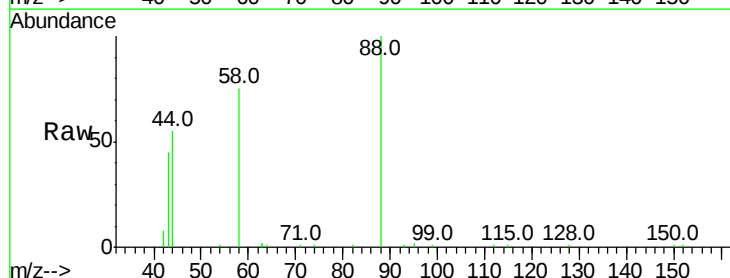
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



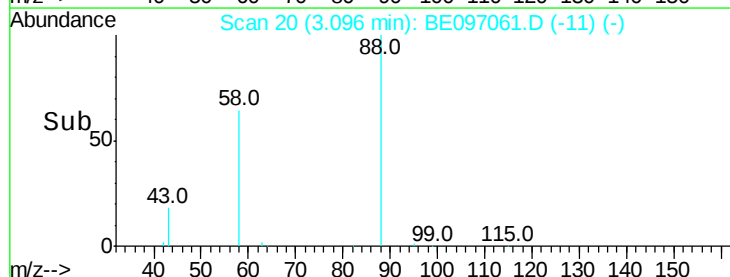
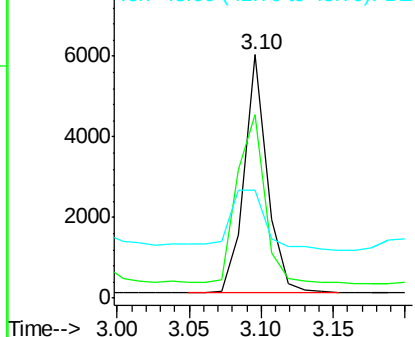
#2

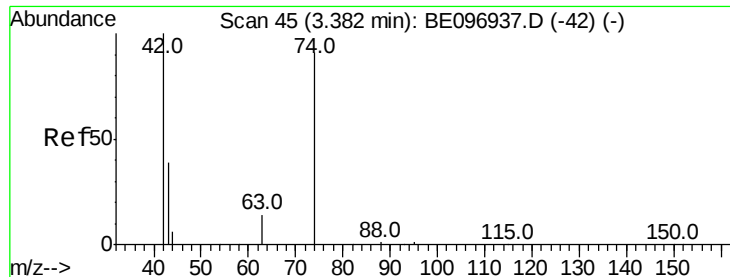
1,4-Dioxane
Concen: 3.383 ng
RT: 3.10 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097061.D
Acq: 24 Jul 2018 6:58

Tgt Ion: 88 Resp: 6591
Ion Ratio Lower Upper
88 100
58 83.0 63.2 94.8
43 39.5 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





#3

n-Nitrosodimethylamine

Concen: 0.110 ng

RT: 3.31 min Scan# 39

Delta R.T. -0.07 min

Lab File: BE097061.D

Acq: 24 Jul 2018 6:58

Instrument :

BNA_E

ClientSampleId :

RE109D2-071618

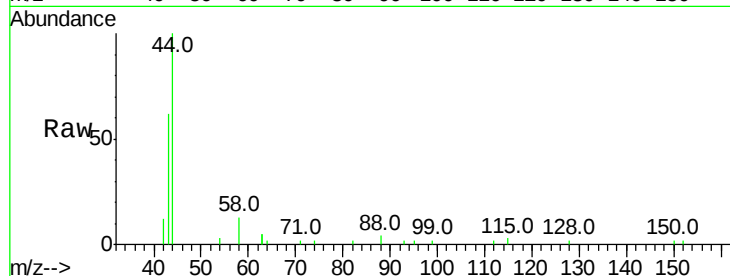
Tot Ion: 42 Resp: 241

Ion Ratio Lower Upper

42 100

74 0.0 96.0 144.0#

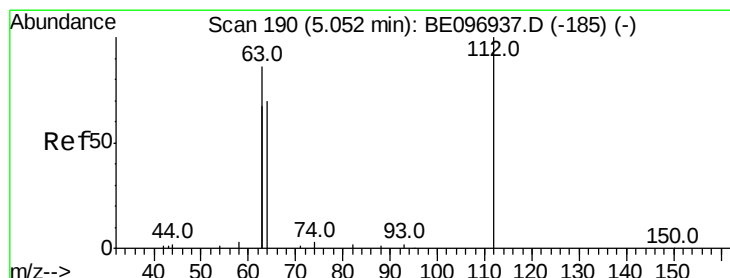
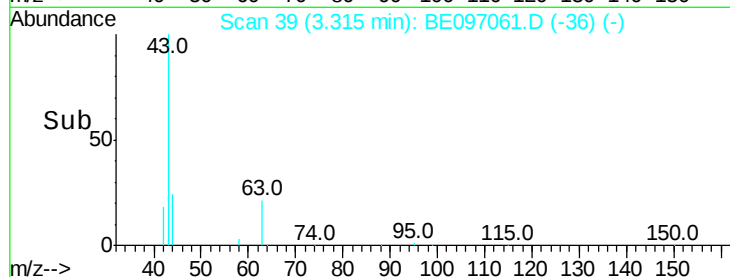
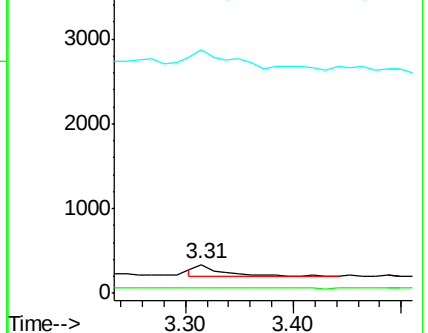
44 195.0 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.119 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097061.D

Acq: 24 Jul 2018 6:58

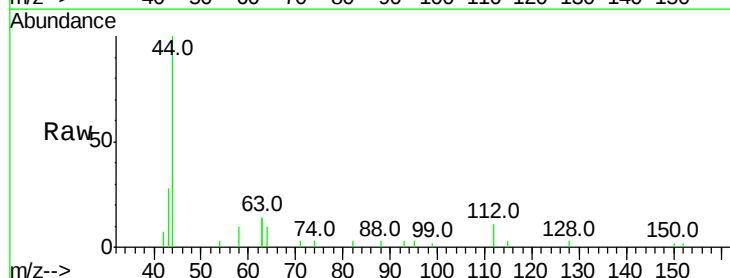
Tgt Ion: 112 Resp: 386

Ion Ratio Lower Upper

112 100

64 67.6 60.1 90.1

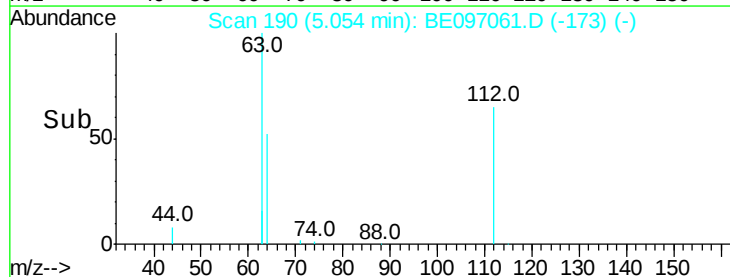
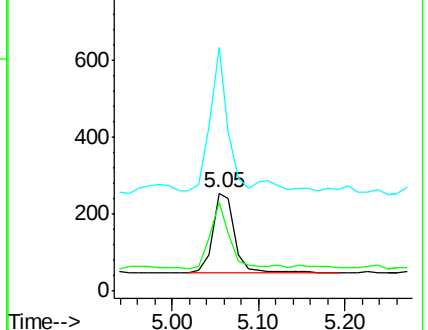
63 134.2 116.8 175.2

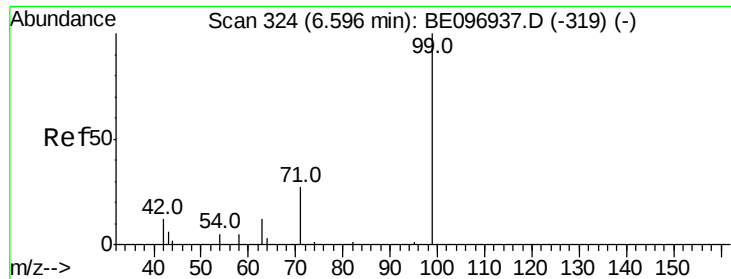


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.075 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097061.D

Acq: 24 Jul 2018 6:58

Instrument :

BNA_E

ClientSampleId :

RE109D2-071618

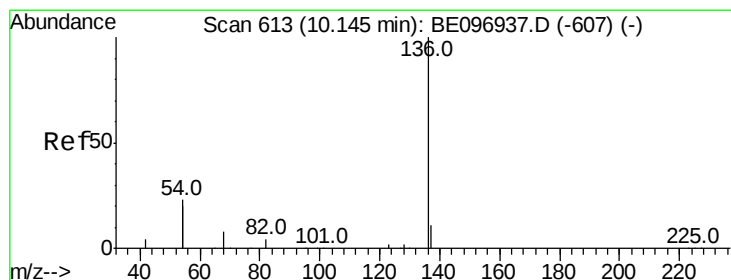
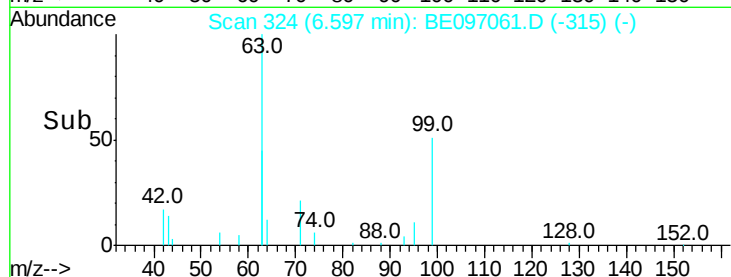
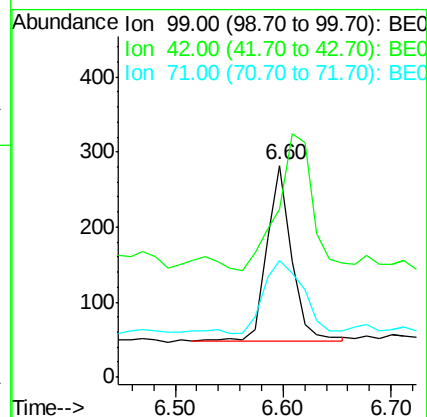
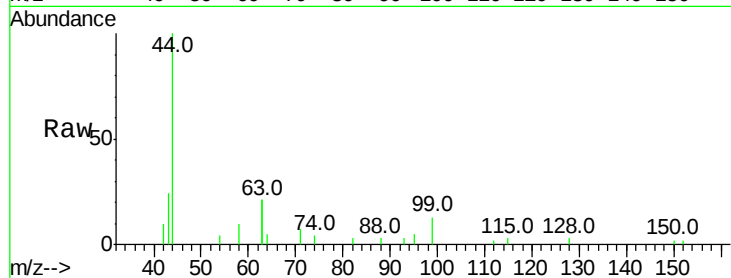
Tot Ion: 99 Resp: 373

Ion Ratio Lower Upper

99 100

42 109.4 20.2 30.2#

71 66.2 28.4 42.6#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097061.D

Acq: 24 Jul 2018 6:58

Tgt Ion: 136 Resp: 6679

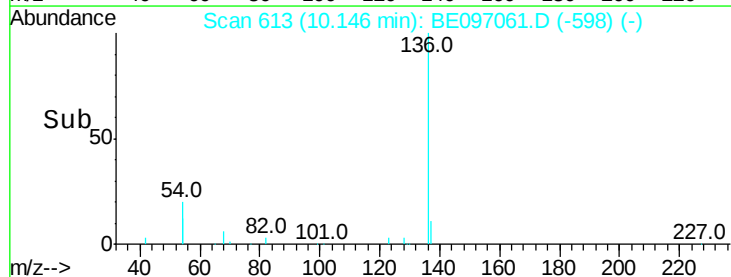
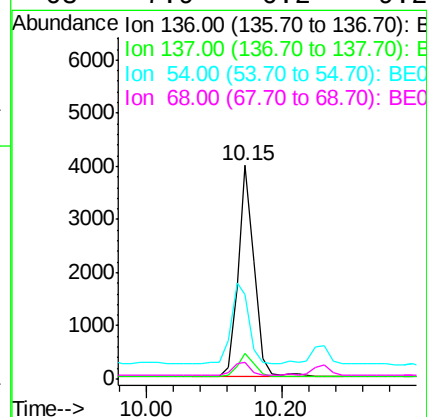
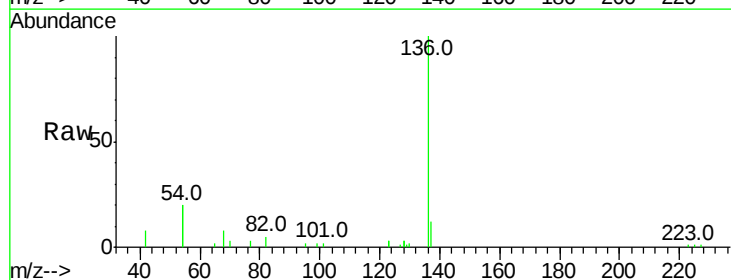
Ion Ratio Lower Upper

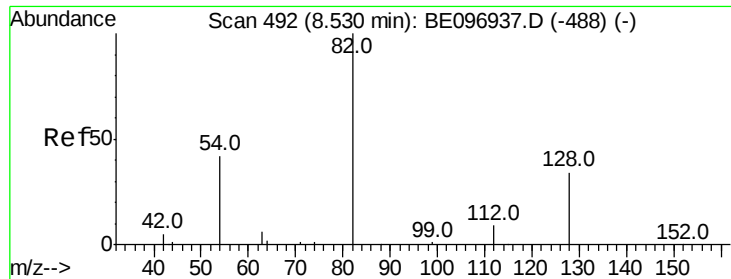
136 100

137 11.9 9.5 14.3

54 39.4 29.1 43.7

68 7.9 6.2 9.2





#8

Nitrobenzene-d5

Concen: 0.438 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097061.D

Acq: 24 Jul 2018 6:58

Instrument :

BNA_E

ClientSampleId :

RE109D2-071618

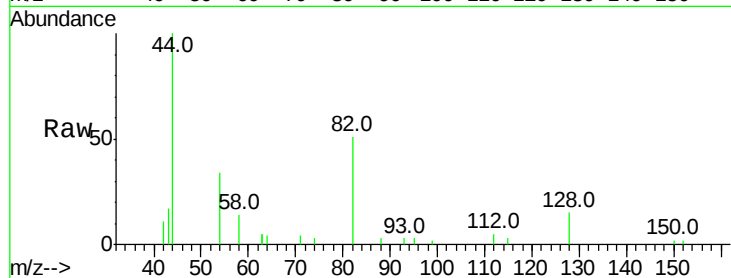
Tot Ion: 82 Resp: 2136

Ion Ratio Lower Upper

82 100

128 29.3 24.0 36.0

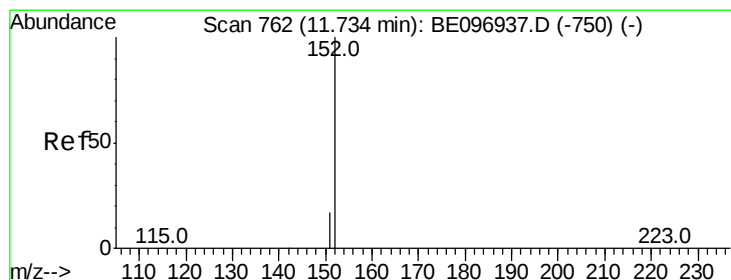
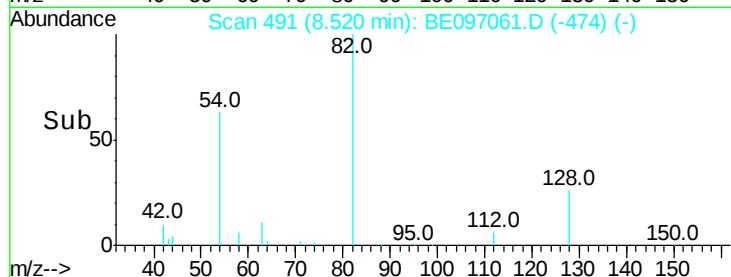
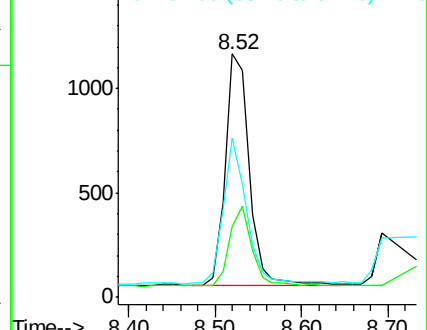
54 65.4 40.0 60.0#



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) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.351 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097061.D

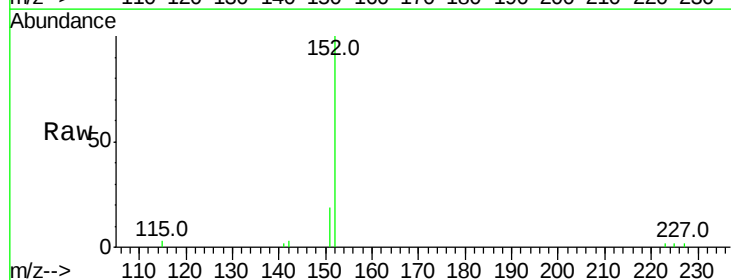
Acq: 24 Jul 2018 6:58

Tgt Ion: 152 Resp: 3417

Ion Ratio Lower Upper

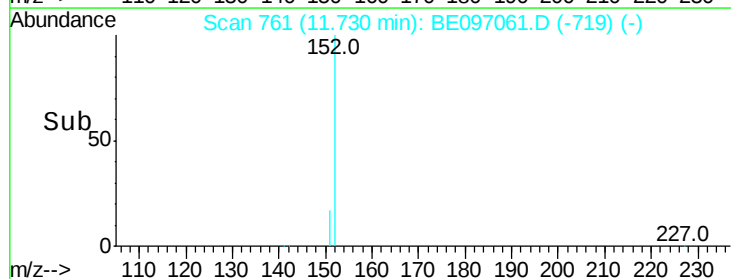
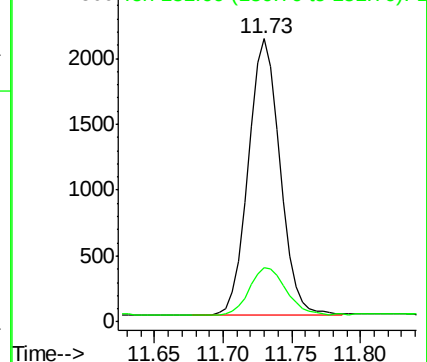
152 100

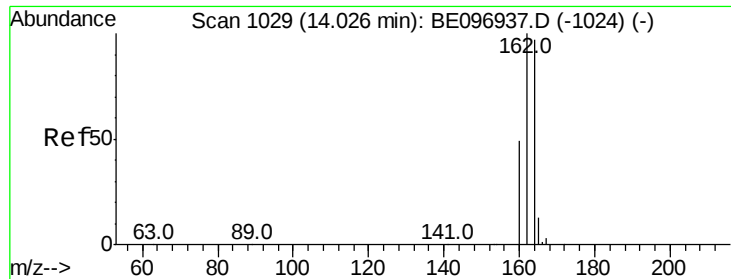
151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE096937.D (-750) (-)

Ion 151.00 (150.70 to 151.70): BE096937.D (-750) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE097061.D

Acq: 24 Jul 2018 6:58

Instrument :

BNA_E

ClientSampleId :

RE109D2-071618

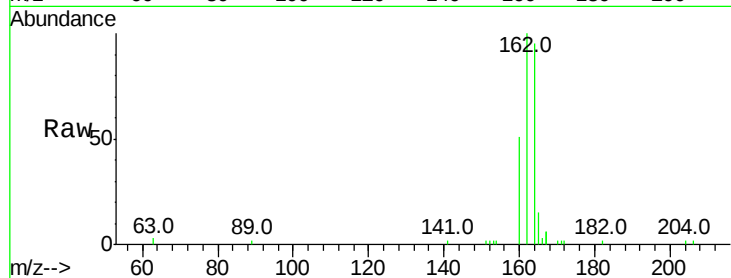
Tot Ion:164 Resp: 4019

Ion Ratio Lower Upper

164 100

162 105.1 83.1 124.7

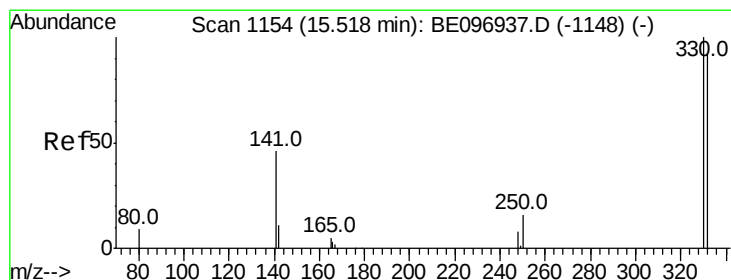
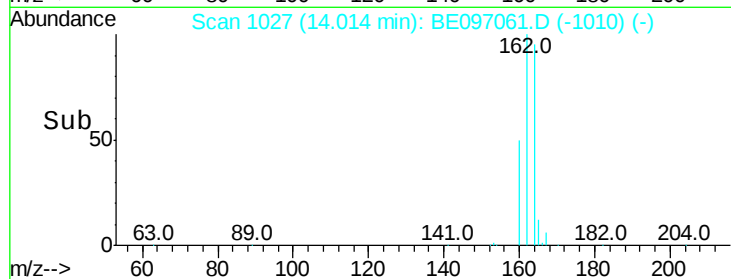
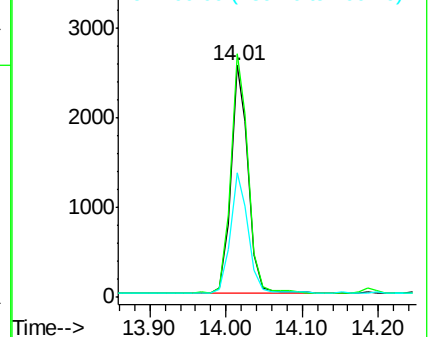
160 53.8 37.1 55.7



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: 0.419 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE097061.D

Acq: 24 Jul 2018 6:58

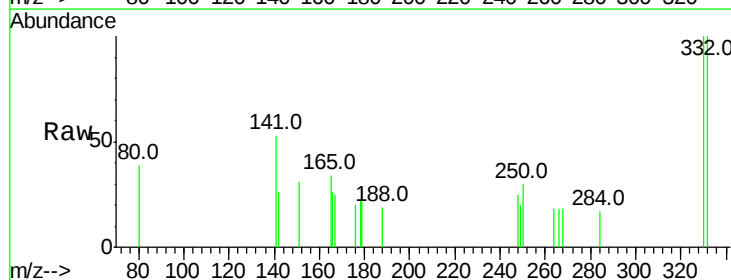
Tgt Ion:330 Resp: 369

Ion Ratio Lower Upper

330 100

332 96.2 152.7 229.1#

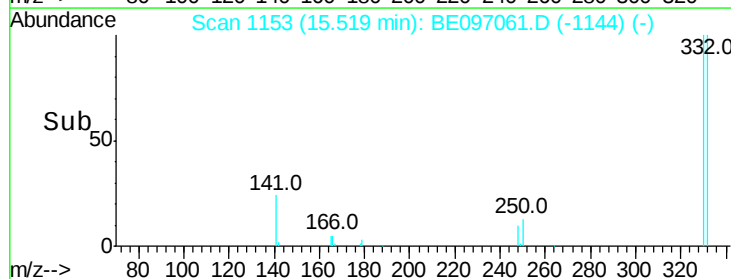
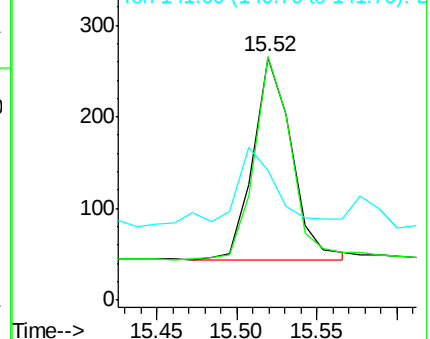
141 46.3 33.7 50.5

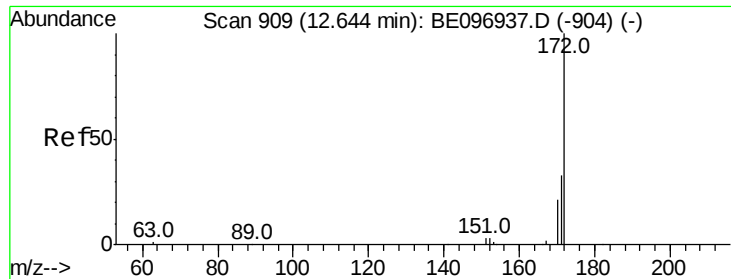


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

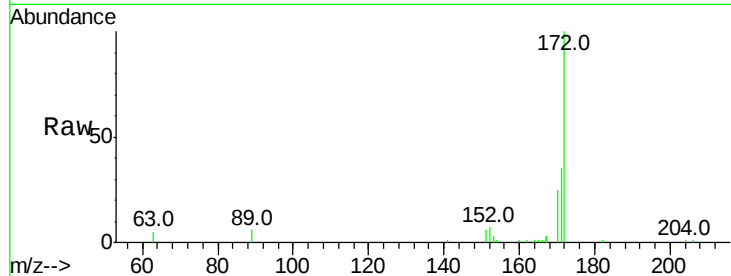




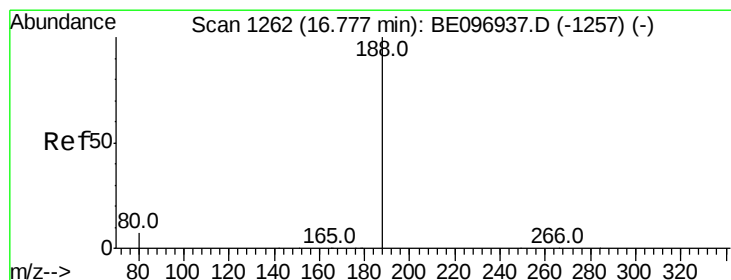
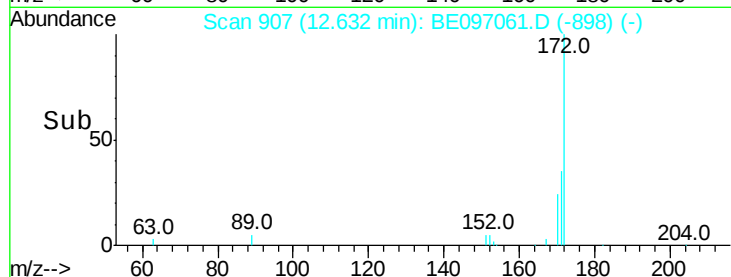
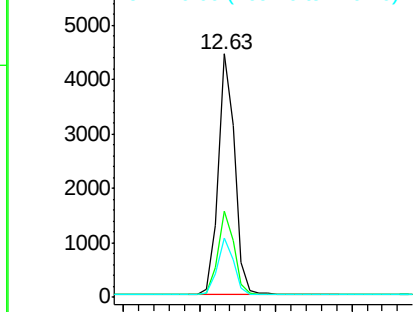
#15
2-Fluorobiphenyl
Concen: 0.450 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097061.D
Acq: 24 Jul 2018 6:58

Instrument :
BNA_E
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Tot Ion:172 Resp: 6720
Ion Ratio Lower Upper
172 100
171 35.5 29.9 44.9
170 24.6 21.8 32.8

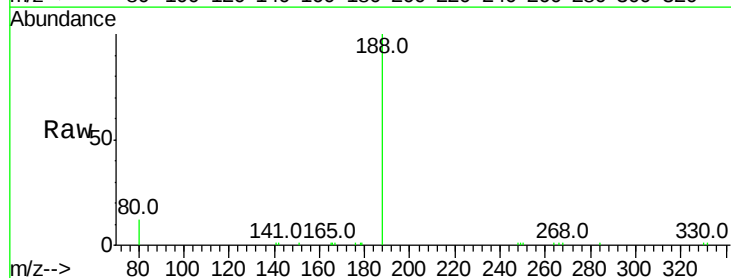


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

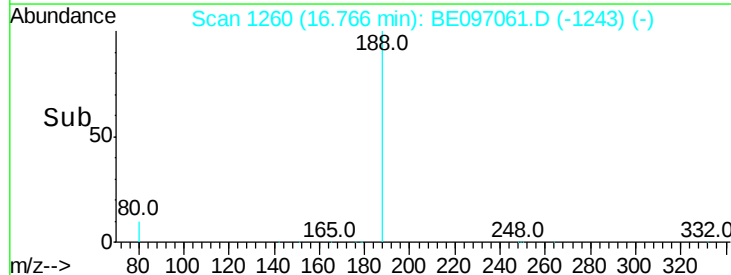
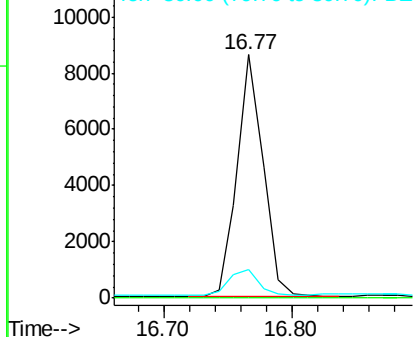


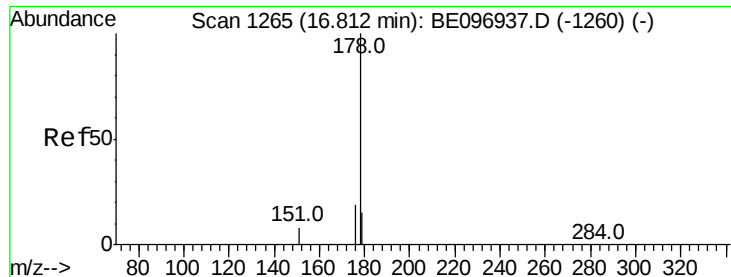
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BE097061.D
Acq: 24 Jul 2018 6:58

Tgt Ion:188 Resp: 12208
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 11.7 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





#23

Phenanthrene

Concen: 0.024 ng

RT: 16.81 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE097061.D

Acq: 24 Jul 2018 6:58

Instrument :

BNA_E

ClientSampleId :

RE109D2-071618

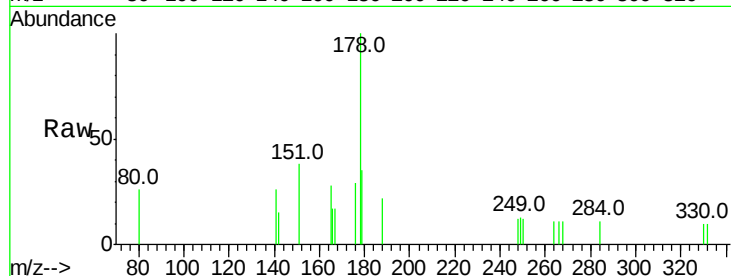
Tot Ion:178 Resp: 696

Ion Ratio Lower Upper

178 100

176 17.0 15.1 22.7

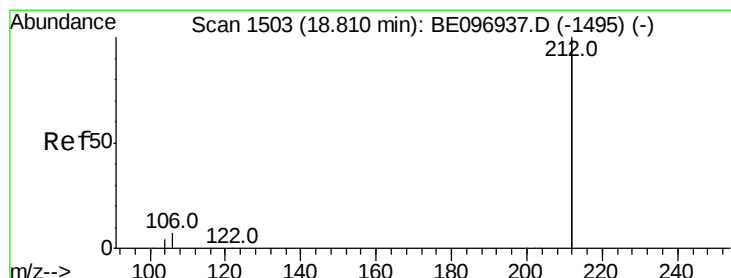
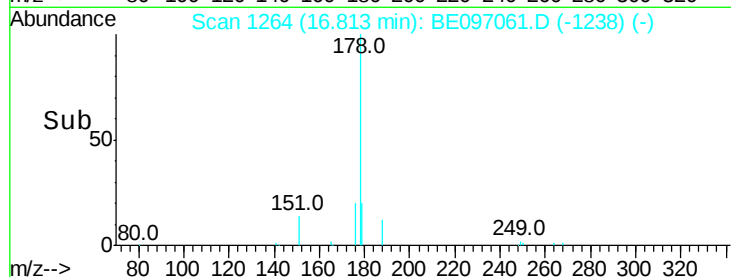
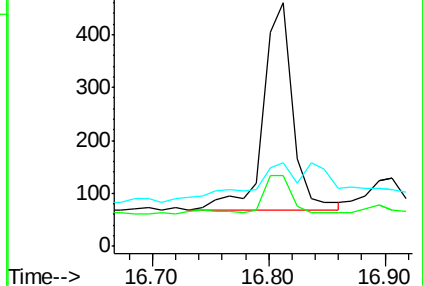
179 29.9 11.8 17.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.499 ng

RT: 18.81 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097061.D

Acq: 24 Jul 2018 6:58

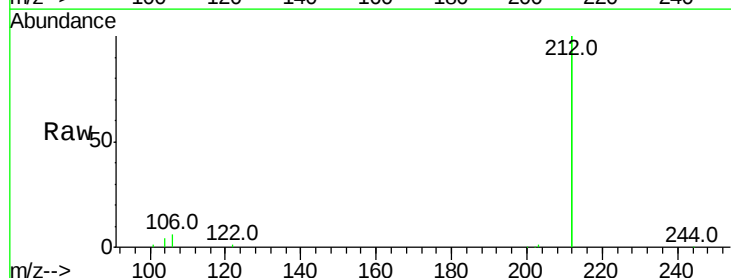
Tgt Ion:212 Resp: 52971

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

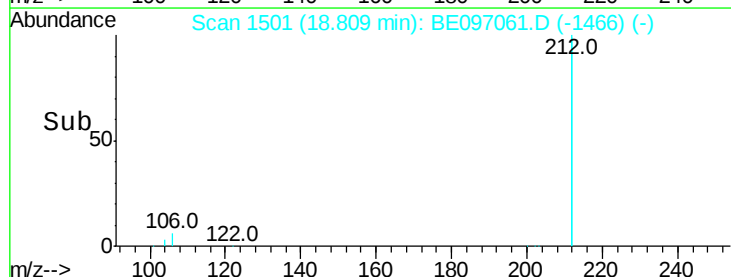
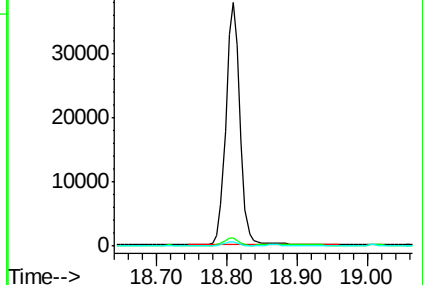
104 1.7 1.6 2.4

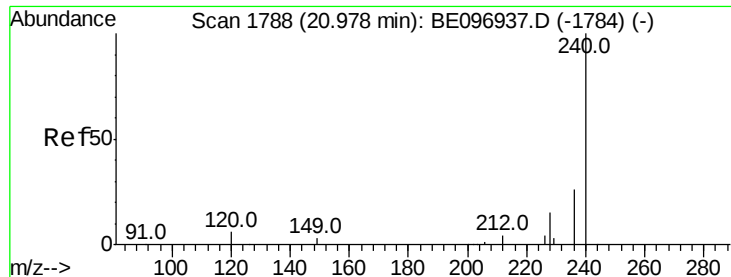


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

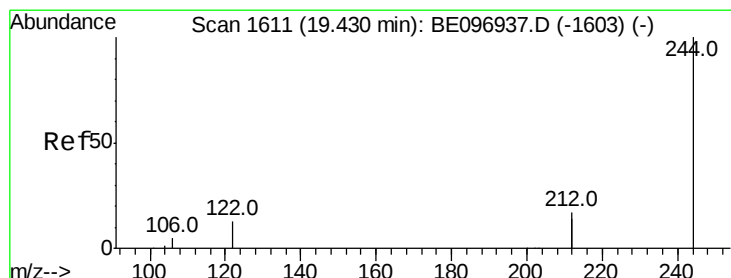
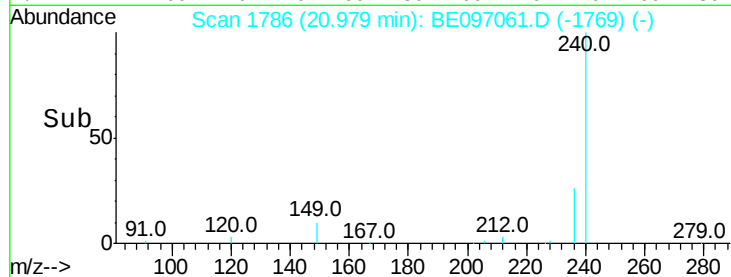
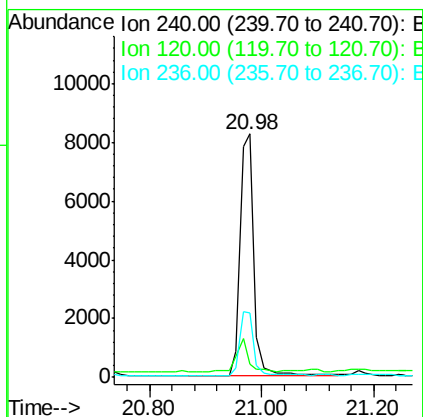
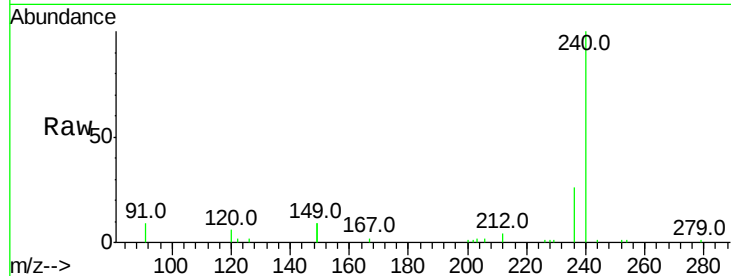




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097061.D
 Acq: 24 Jul 2018 6:58

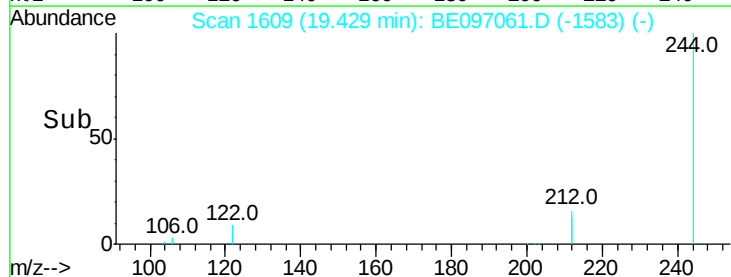
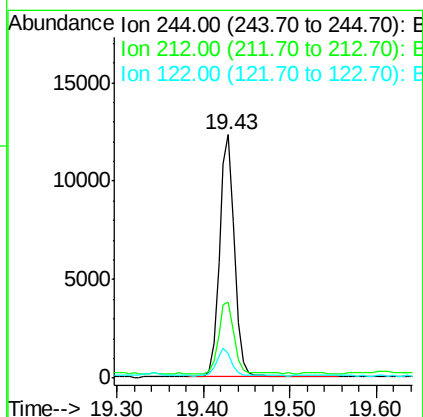
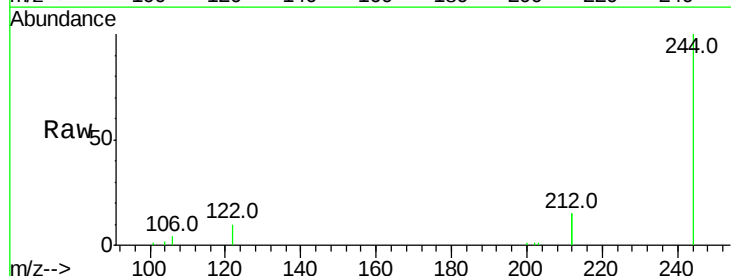
Instrument :
 BNA_E
 ClientSampleId :
 RE109D2-071618

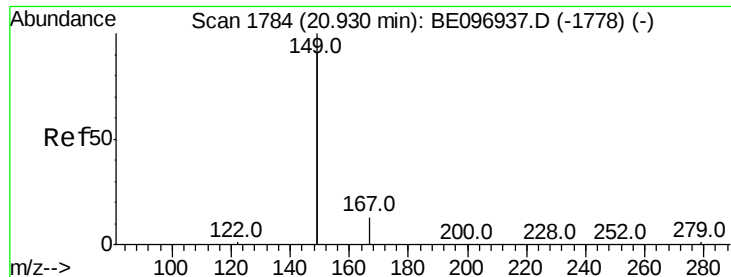
Tot Ion:240 Resp: 13914
 Ion Ratio Lower Upper
 240 100
 120 5.6 5.5 8.3
 236 26.4 20.7 31.1



#29
 Terphenyl-d14
 Concen: 0.557 ng
 RT: 19.43 min Scan# 1609
 Delta R.T. -0.00 min
 Lab File: BE097061.D
 Acq: 24 Jul 2018 6:58

Tgt Ion:244 Resp: 14950
 Ion Ratio Lower Upper
 244 100
 212 30.9 25.4 38.0
 122 10.4 8.1 12.1





#32

Bis(2-ethylhexyl)phthalate

Concen: 12.042 ng

RT: 20.92 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BE097061.D

Acq: 24 Jul 2018 6:58

Instrument :

BNA_E

ClientSampleId :

RE109D2-071618

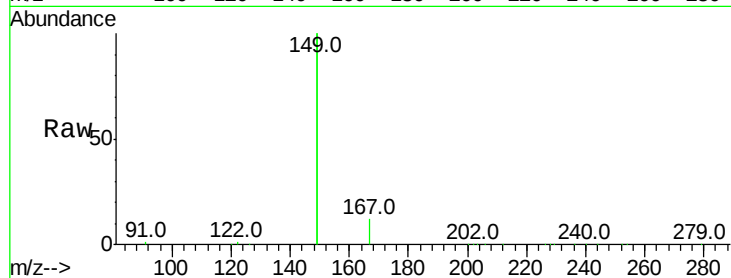
Tot Ion:149 Resp: 398279

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

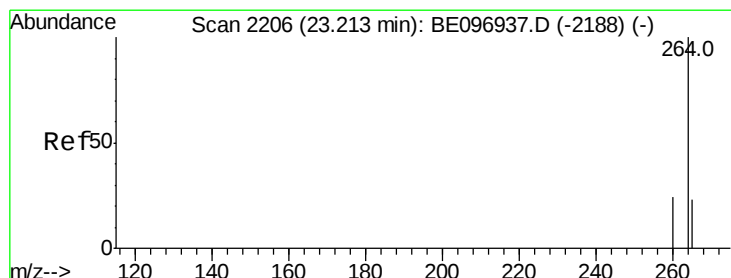
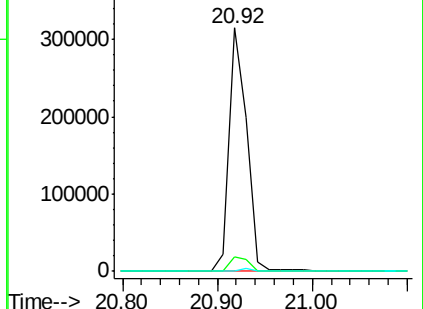
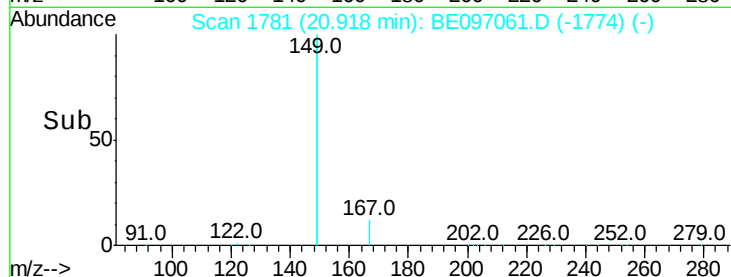
279 0.9 0.7 1.1



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: BE097061.D

Acq: 24 Jul 2018 6:58

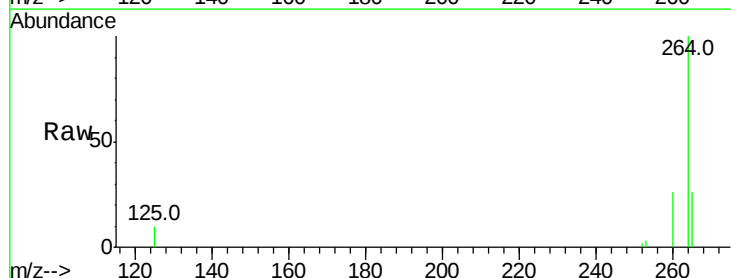
Tgt Ion:264 Resp: 13647

Ion Ratio Lower Upper

264 100

260 25.9 20.5 30.7

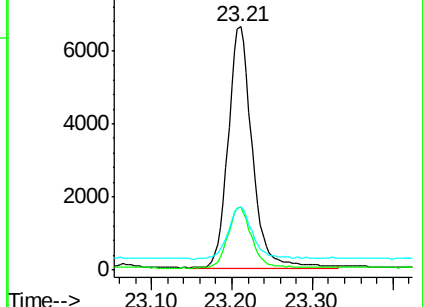
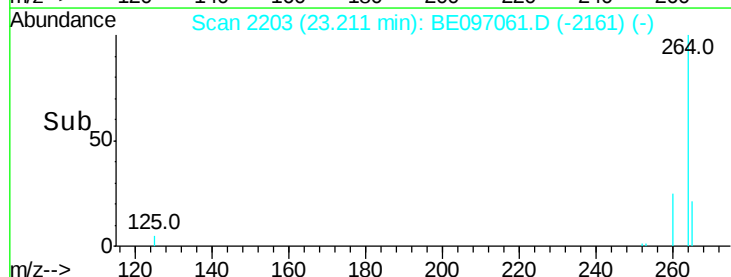
265 25.8 22.8 34.2

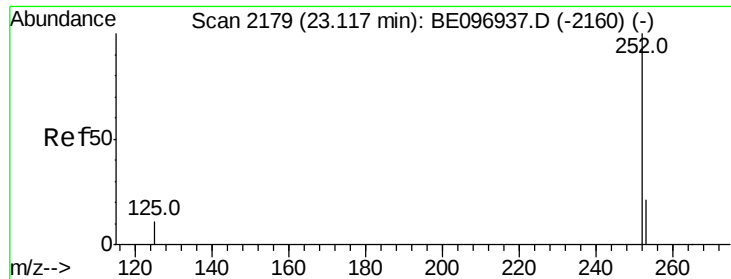


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#37

Benzo(a)pyrene

Concen: 0.107 ng

RT: 23.11 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE097061.D

Acq: 24 Jul 2018 6:58

Instrument :

BNA_E

ClientSampleId :

RE109D2-071618

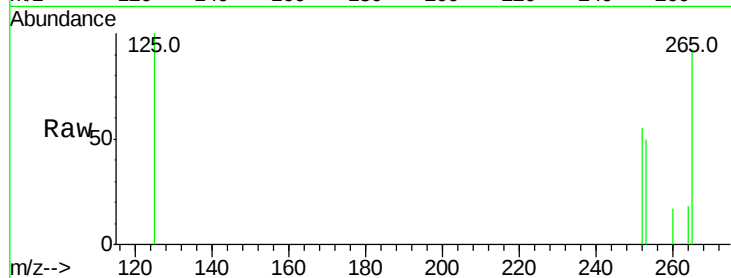
Tot Ion:252 Resp: 209

Ion Ratio Lower Upper

252 100

253 89.8 16.0 24.0#

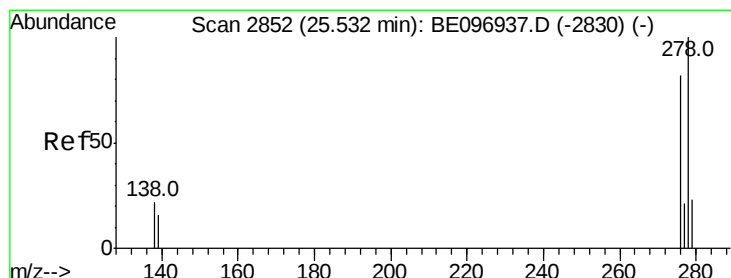
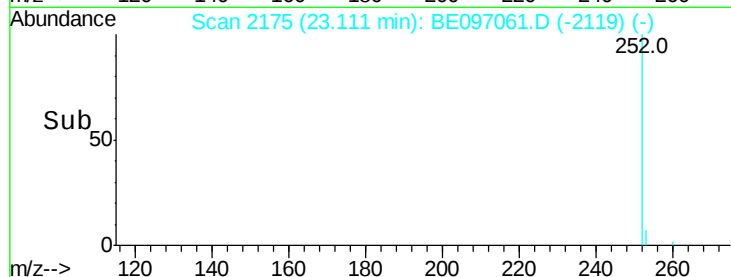
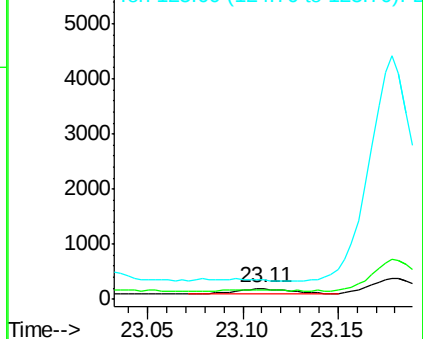
125 180.2 12.0 18.0#



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: 0.120 ng

RT: 25.52 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BE097061.D

Acq: 24 Jul 2018 6:58

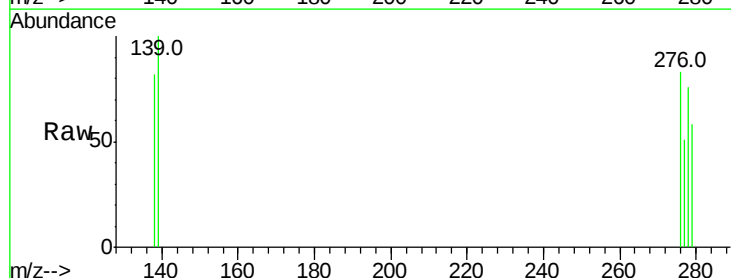
Tgt Ion:278 Resp: 75

Ion Ratio Lower Upper

278 100

139 131.4 16.0 24.0#

279 76.2 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

