

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097097.D
 Acq On : 25 Jul 2018 7:35
 Operator : SJ/JU
 Sample : J4073-08DL 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE109D3-071618DL

Quant Time: Jul 25 08:55:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 13:24:10 2018
 Response via : Initial Calibration

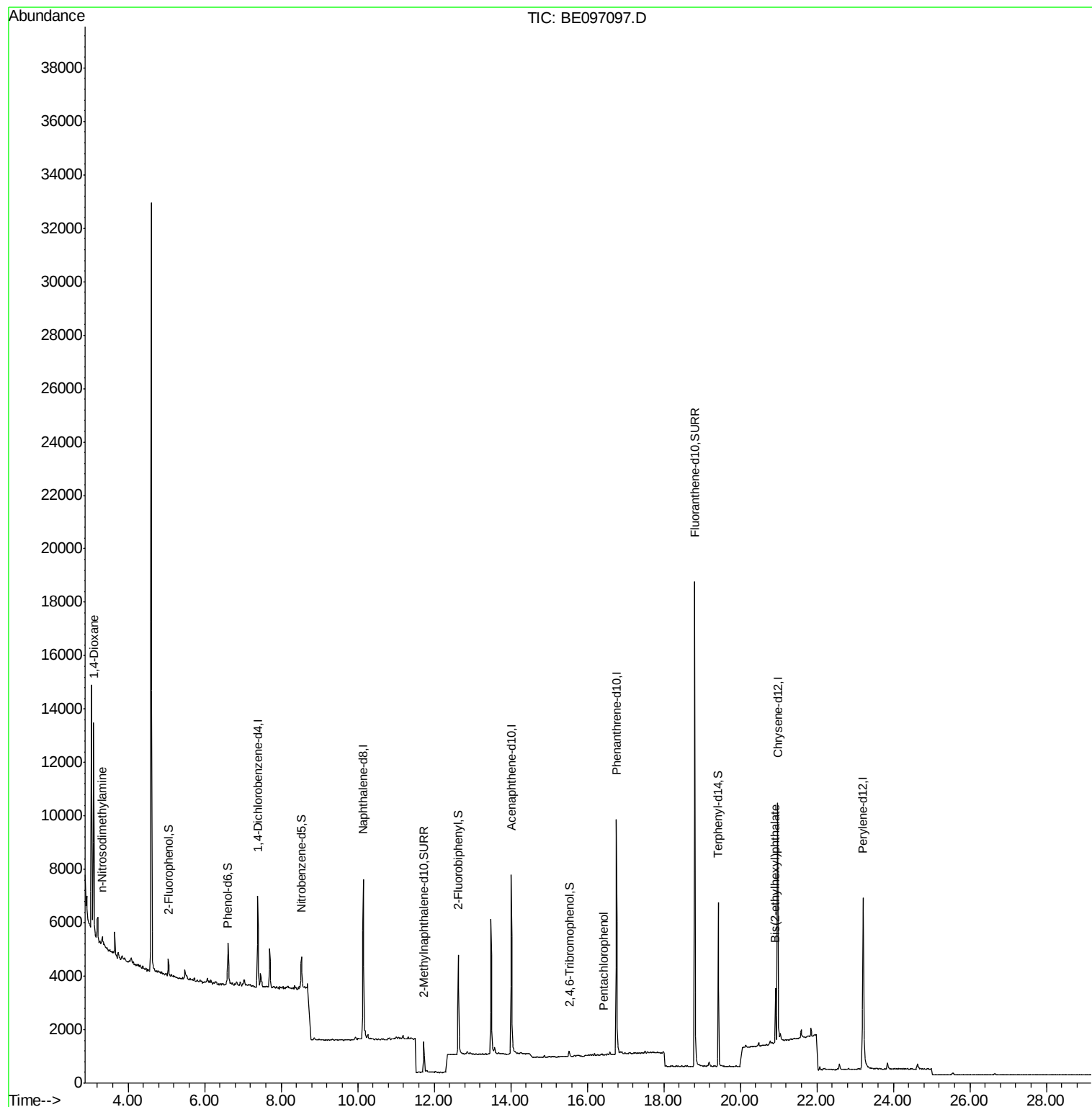
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1431	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6604	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3932	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11683	0.40	ng	0.00
27) Chrysene-d12	20.98	240	10839	0.40	ng	0.00
34) Perylene-d12	23.21	264	9985	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	318	0.08	ng	0.00
5) Phenol-d6	6.59	99	298	0.05	ng	0.00
8) Nitrobenzene-d5	8.53	82	1171	0.20	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	1835	0.19	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	159	0.12	ng	0.01
15) 2-Fluorobiphenyl	12.63	172	3646	0.27	ng	0.00
25) Fluoranthene-d10	18.81	212	24914	0.21	ng	0.00
29) Terphenyl-d14	19.42	244	5149	0.25	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.09	88	4250	1.869	ng	# 89
3) n-Nitrosodimethylamine	3.32	42	124	0.049	ng	# 1
22) Pentachlorophenol	16.44	266	2	0.036	ng	94
32) Bis(2-ethylhexyl)phthalate	20.92	149	2481	0.081	ng	# 99

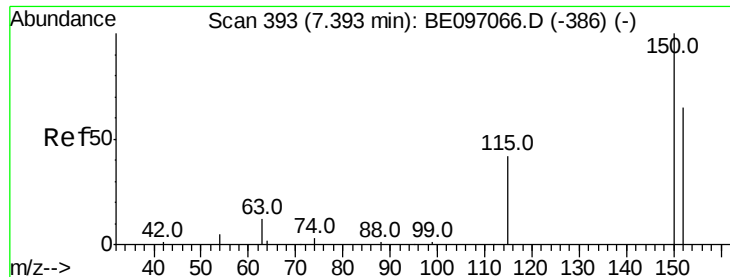
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

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Instrument :

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ClientSampleId :

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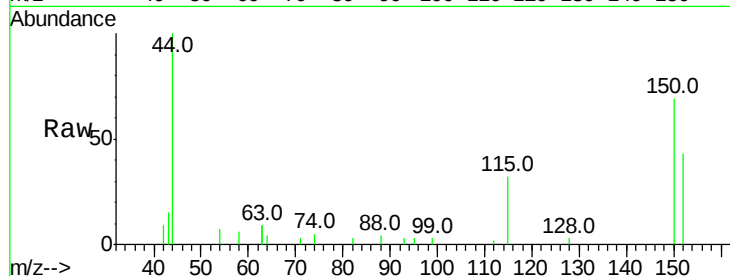
Tot Ion:152 Resp: 1431

Ion Ratio Lower Upper

152 100

150 159.3 117.2 175.8

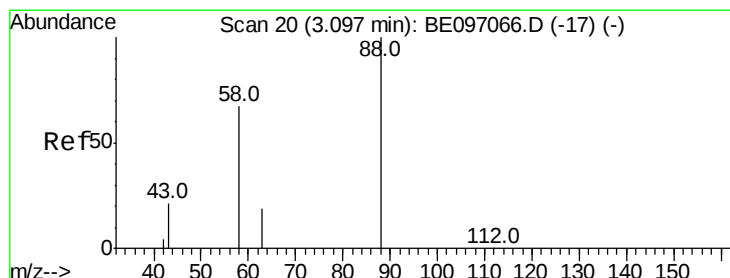
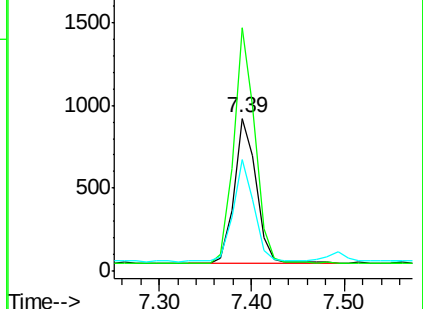
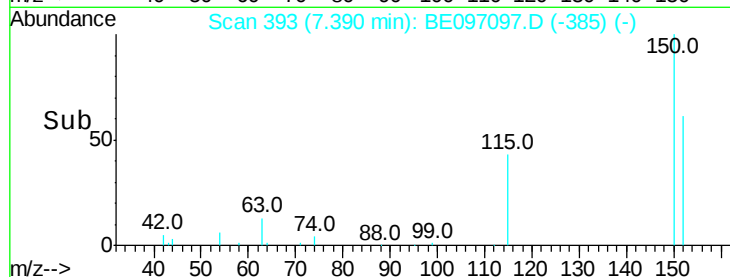
115 73.2 57.0 85.6



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: 1.869 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097097.D

Acq: 25 Jul 2018 7:35

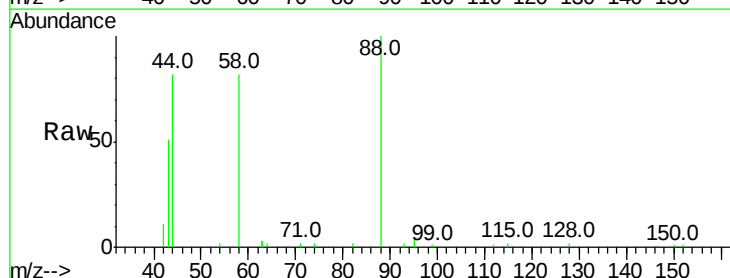
Tgt Ion: 88 Resp: 4250

Ion Ratio Lower Upper

88 100

58 85.8 63.2 94.8

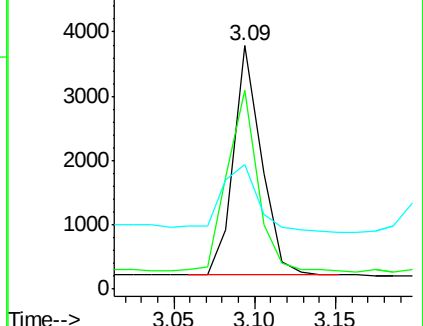
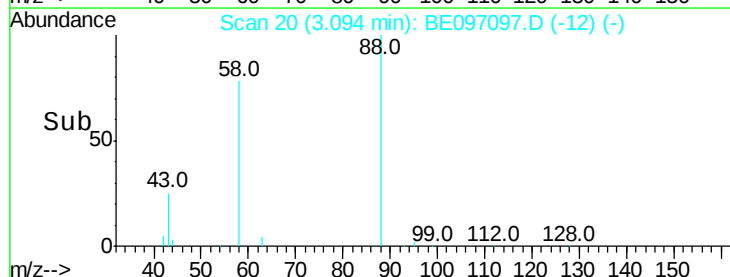
43 40.0 41.2 61.8#

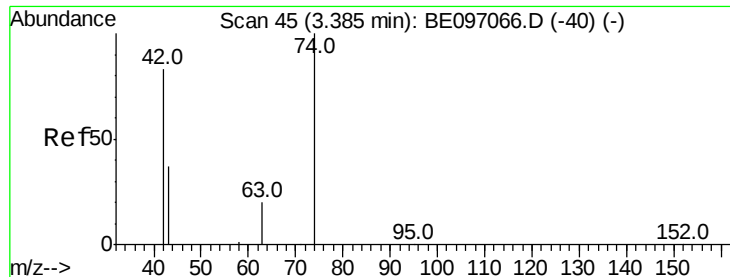


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.049 ng

RT: 3.32 min Scan# 40

Delta R.T. -0.06 min

Lab File: BE097097.D

Acq: 25 Jul 2018 7:35

Instrument :

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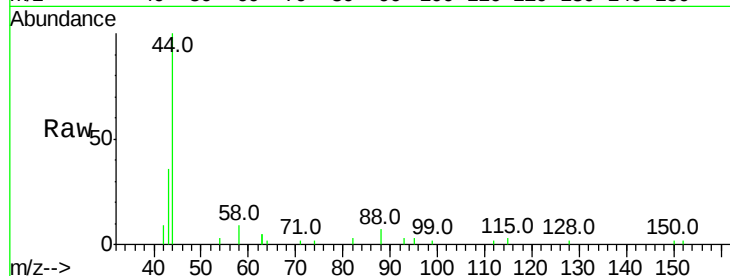
Tot Ion: 42 Resp: 124

Ion Ratio Lower Upper

42 100

74 0.0 96.0 144.0#

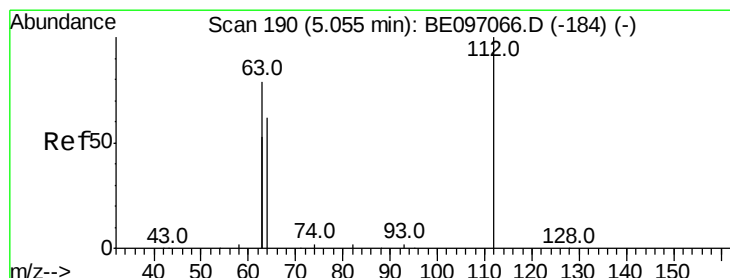
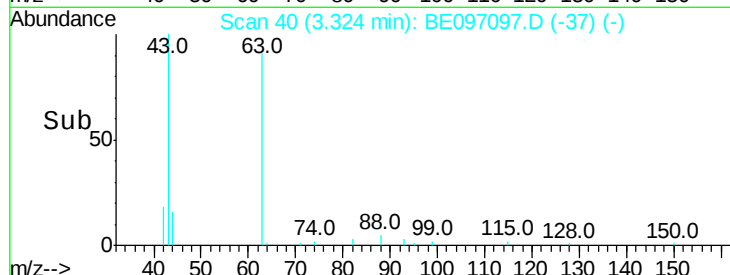
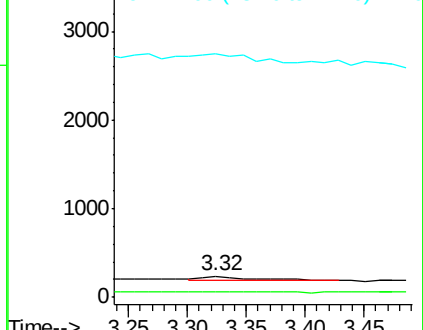
44 0.0 12.0 18.0#



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: 0.079 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097097.D

Acq: 25 Jul 2018 7:35

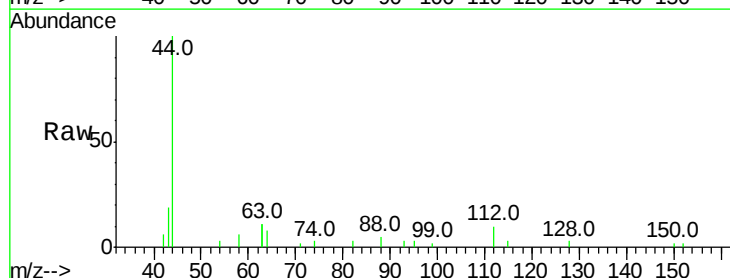
Tgt Ion: 112 Resp: 318

Ion Ratio Lower Upper

112 100

64 77.7 60.1 90.1

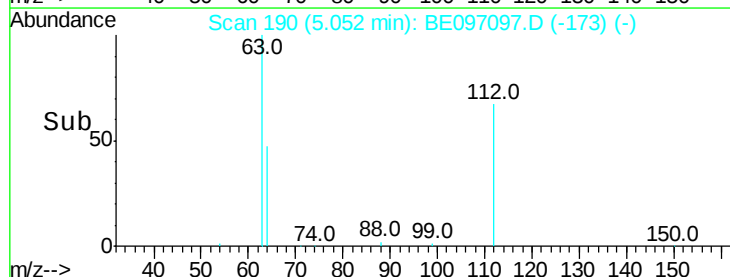
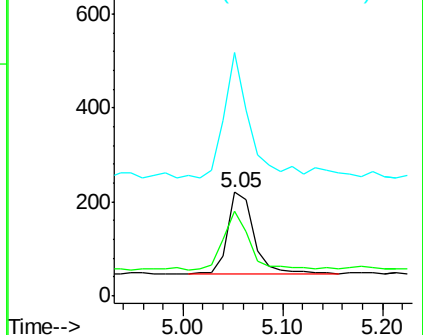
63 150.3 116.8 175.2

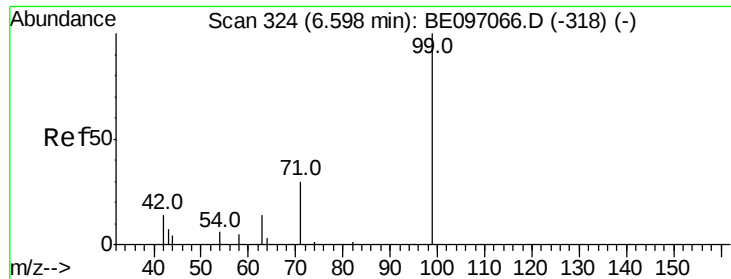


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.051 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097097.D

Acq: 25 Jul 2018 7:35

Instrument :

BNA_E

ClientSampleId :

RE109D3-071618DL

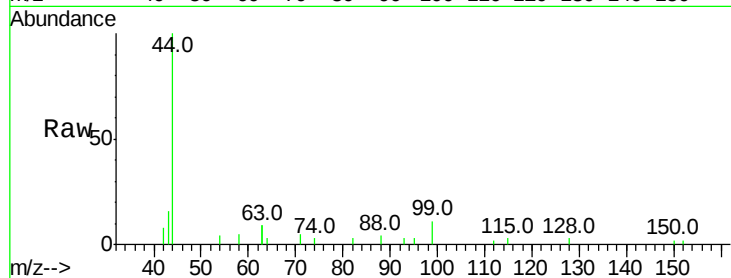
Tot Ion: 99 Resp: 298

Ion Ratio Lower Upper

99 100

42 51.0 20.2 30.2#

71 42.3 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

6.59

250

200

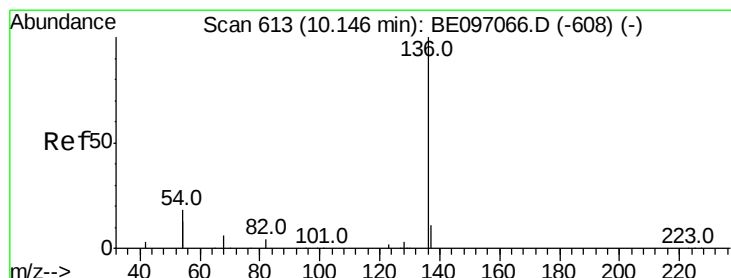
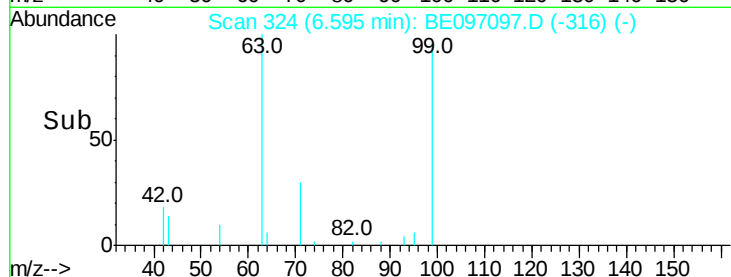
150

100

50

0

Time--> 6.50 6.55 6.60 6.65



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097097.D

Acq: 25 Jul 2018 7:35

Tgt Ion: 136 Resp: 6604

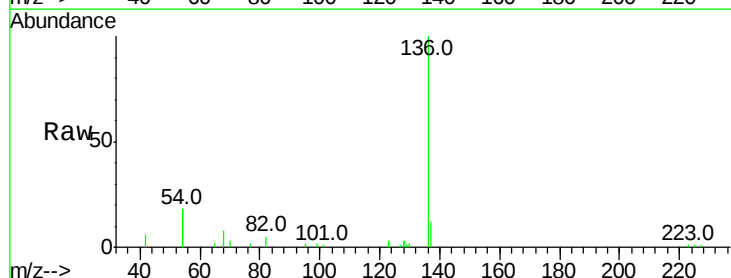
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 36.8 29.1 43.7

68 7.7 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

10.15

4000

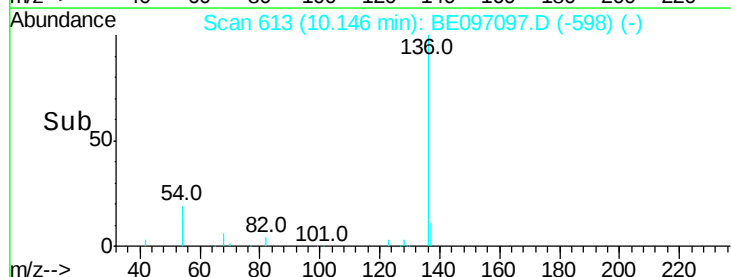
3000

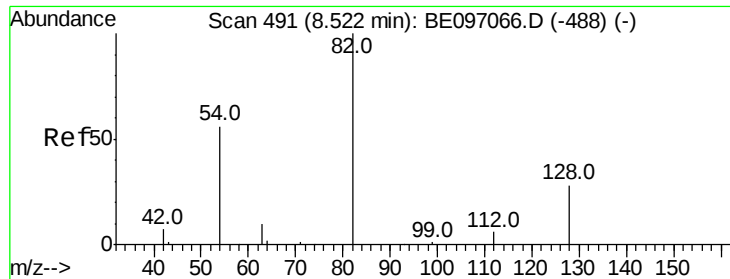
2000

1000

0

Time--> 10.00 10.10 10.20 10.30





#8

Nitrobenzene-d5

Concen: 0.204 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097097.D

Acq: 25 Jul 2018 7:35

Instrument :

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ClientSampleId :

RE109D3-071618DL

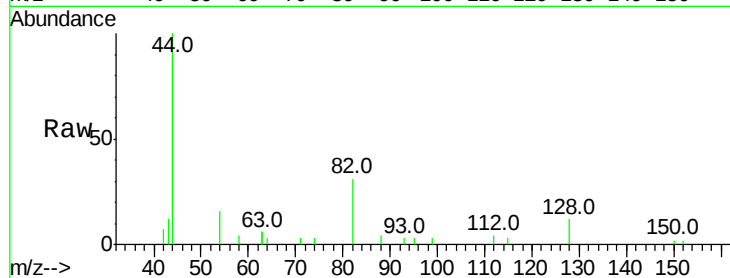
Tot Ion: 82 Resp: 1171

Ion Ratio Lower Upper

82 100

128 38.8 24.0 36.0#

54 53.3 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

8.53

600

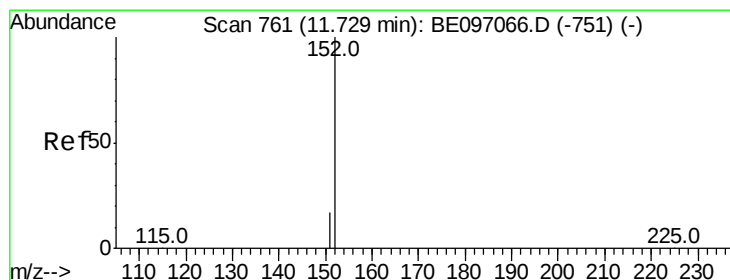
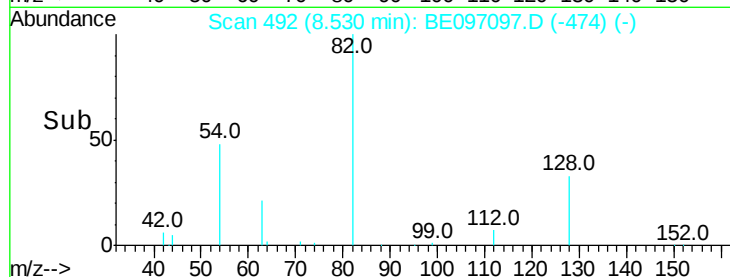
400

200

0

8.40 8.50 8.60 8.70

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.186 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097097.D

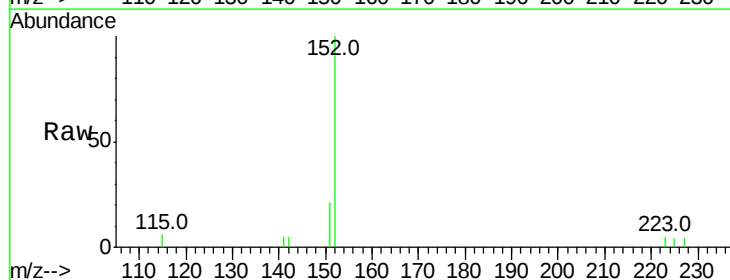
Acq: 25 Jul 2018 7:35

Tgt Ion: 152 Resp: 1835

Ion Ratio Lower Upper

152 100

151 19.8 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

1200

1000

800

600

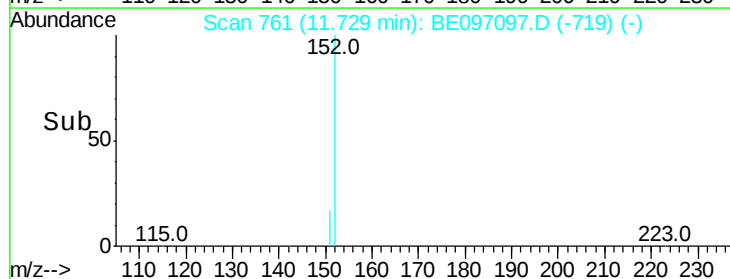
400

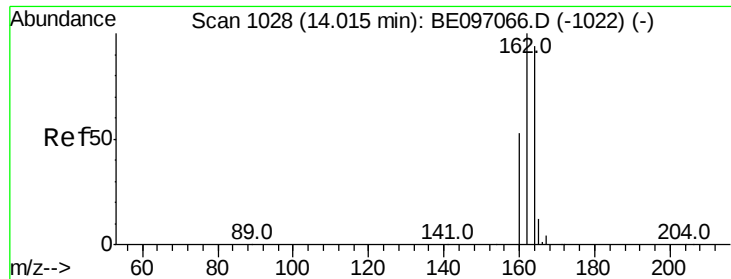
200

0

11.60 11.70 11.80

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097097.D

Acq: 25 Jul 2018 7:35

Instrument :

BNA_E

ClientSampleId :

RE109D3-071618DL

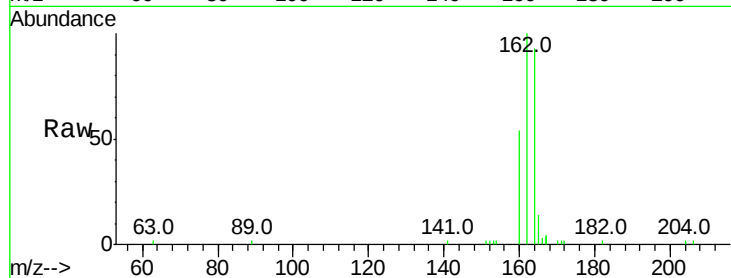
Tot Ion:164 Resp: 3932

Ion Ratio Lower Upper

164 100

162 107.7 83.1 124.7

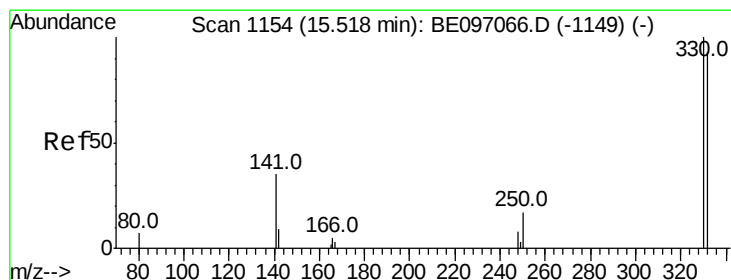
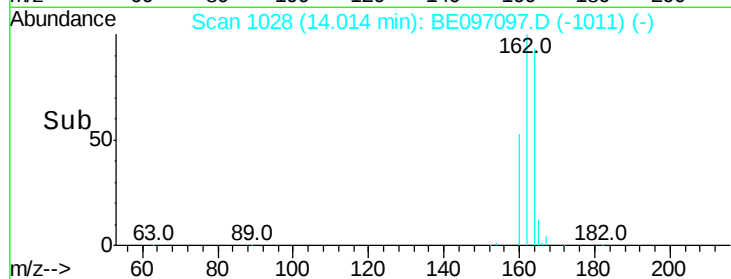
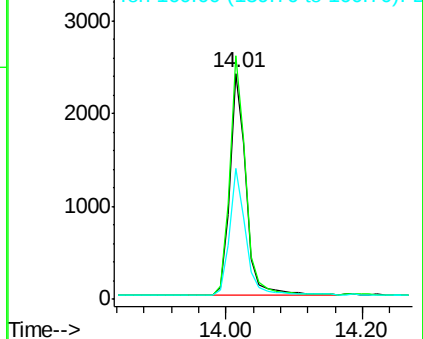
160 57.7 37.1 55.7#



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: 0.123 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097097.D

Acq: 25 Jul 2018 7:35

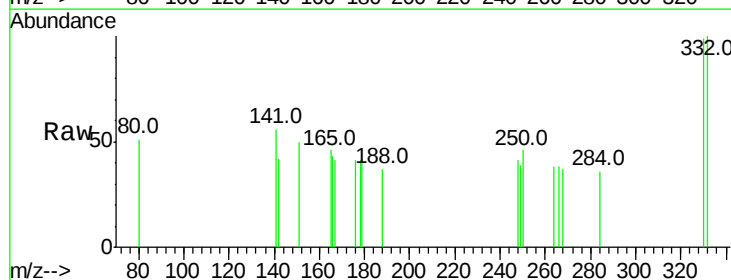
Tgt Ion:330 Resp: 159

Ion Ratio Lower Upper

330 100

332 103.8 152.7 229.1#

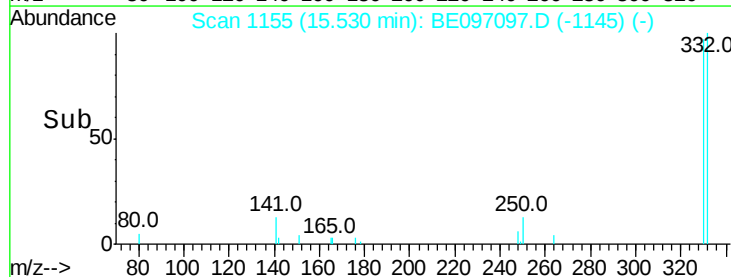
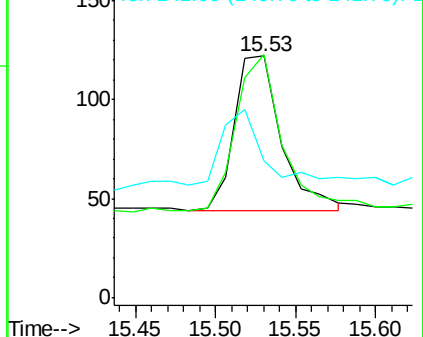
141 57.9 33.7 50.5#

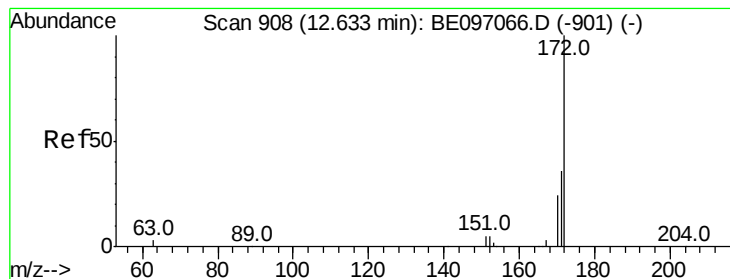


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.268 ng

RT: 12.63 min Scan# 908

Delta R.T. -0.00 min

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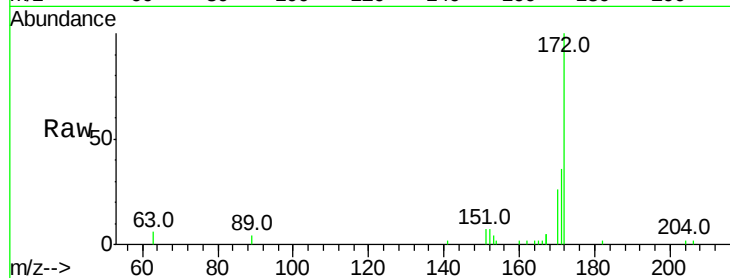
Tot Ion:172 Resp: 3646

Ion Ratio Lower Upper

172 100

171 35.7 29.9 44.9

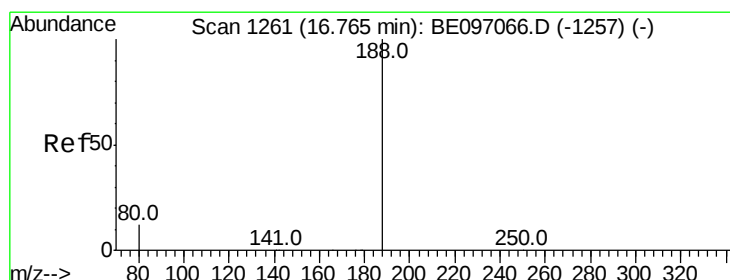
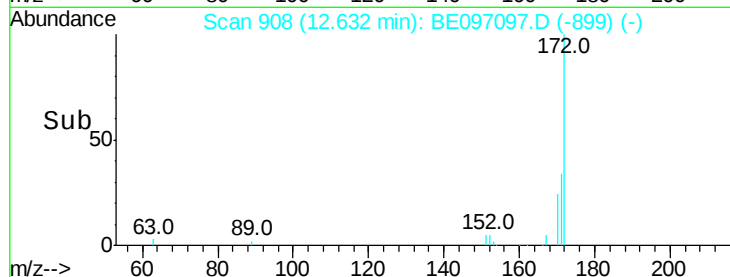
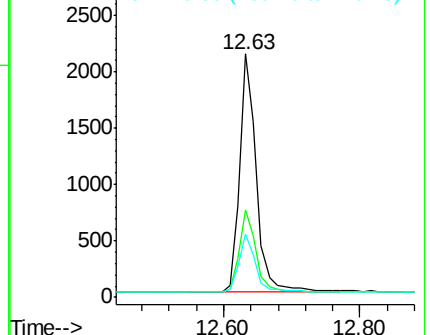
170 25.9 21.8 32.8



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: BE097097.D

Acq: 25 Jul 2018 7:35

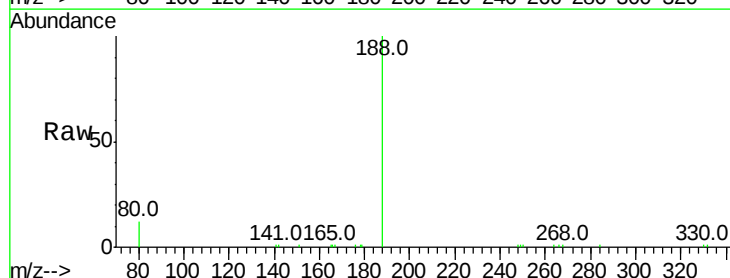
Tgt Ion:188 Resp: 11683

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

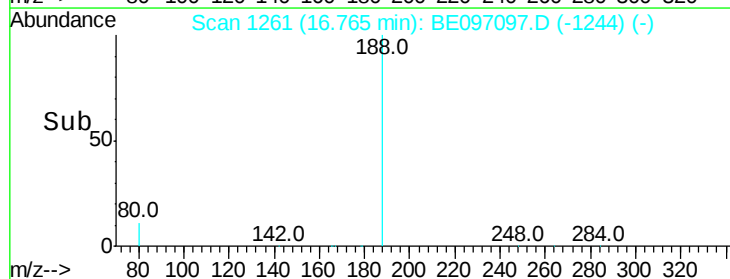
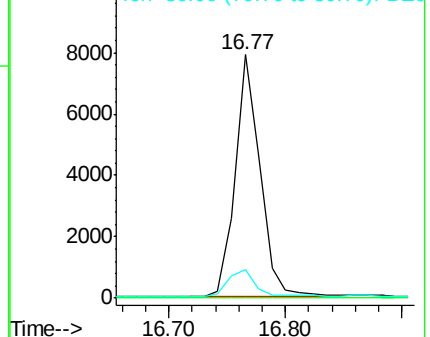
80 11.7 3.6 5.4#

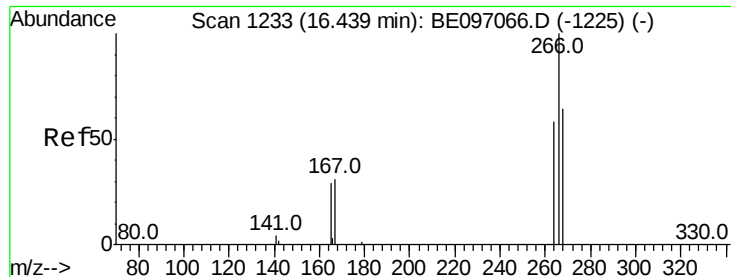


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

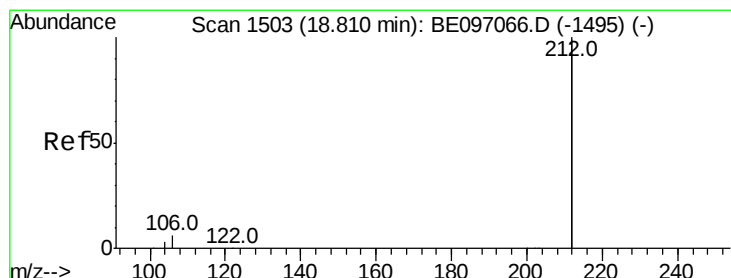
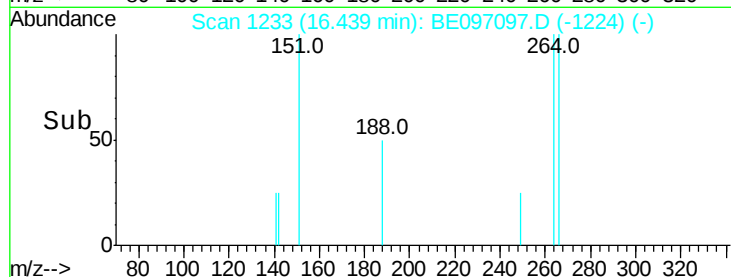
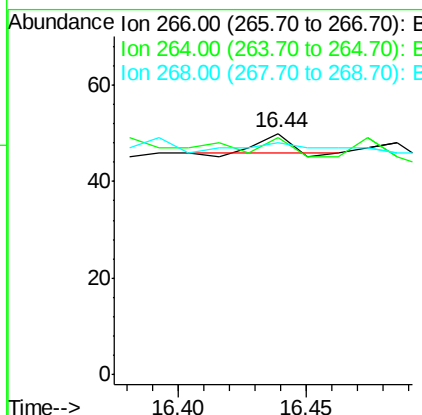
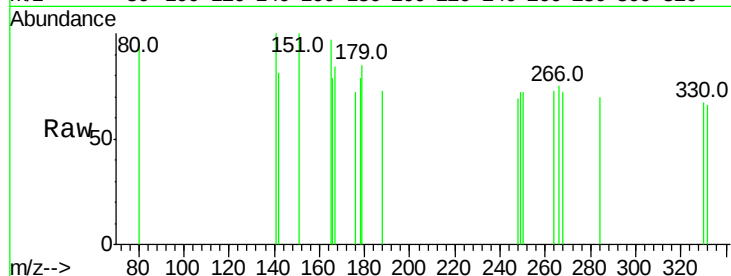




#22
 Pentachlorophenol
 Concen: 0.036 ng
 RT: 16.44 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: BE097097.D
 Acq: 25 Jul 2018 7:35

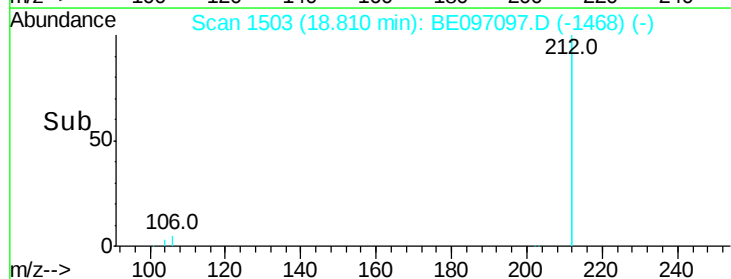
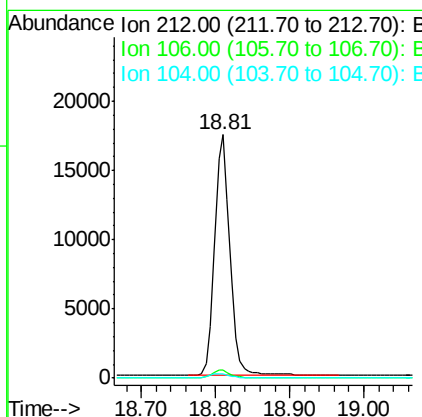
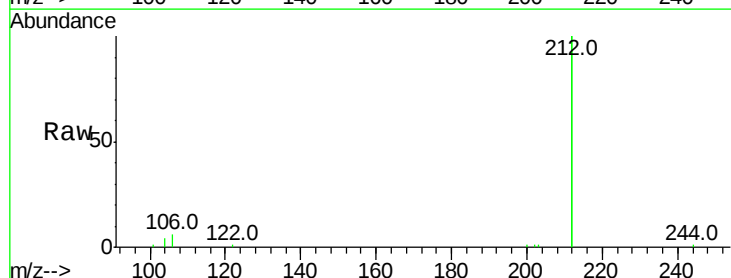
Instrument :
 BNA_E
 ClientSampleId :
 RE109D3-071618DL

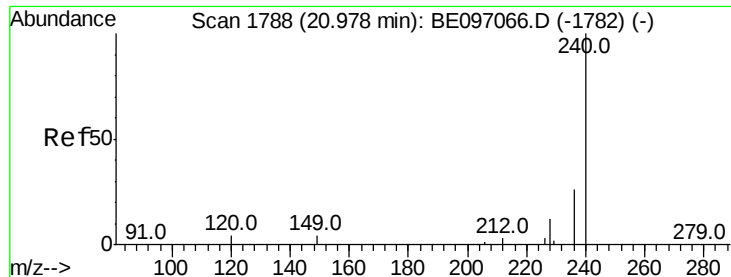
Tot Ion:266 Resp: 2
 Ion Ratio Lower Upper
 266 100
 264 98.0 72.5 108.7
 268 96.0 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.213 ng
 RT: 18.81 min Scan# 1503
 Delta R.T. -0.00 min
 Lab File: BE097097.D
 Acq: 25 Jul 2018 7:35

Tgt Ion:212 Resp: 24914
 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: BE097097.D

Acq: 25 Jul 2018 7:35

Instrument :

BNA_E

ClientSampleId :

RE109D3-071618DL

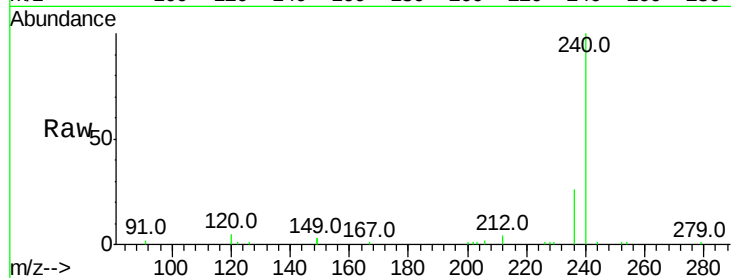
Tot Ion:240 Resp: 10839

Ion Ratio Lower Upper

240 100

120 4.9 5.5 8.3#

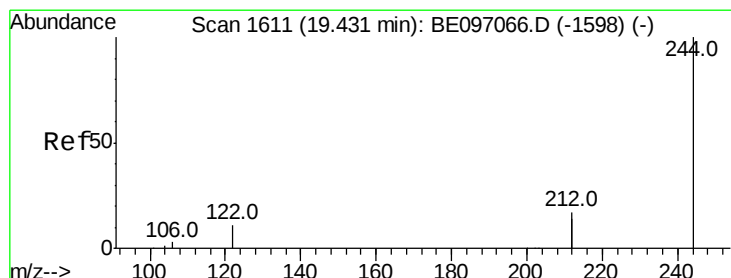
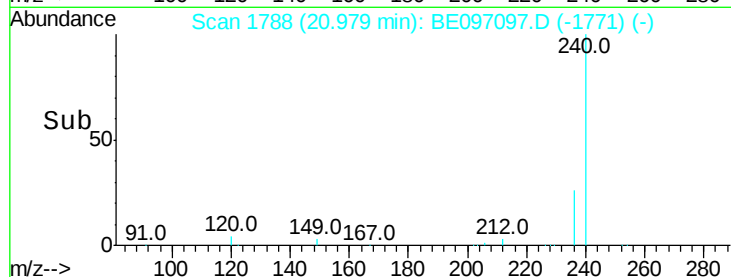
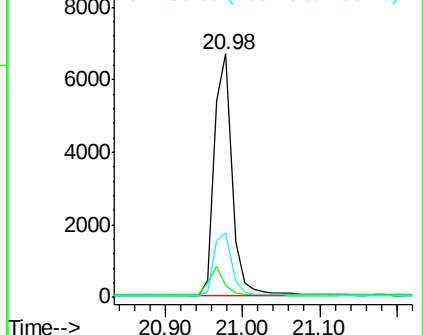
236 26.3 20.7 31.1



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: 0.247 ng

RT: 19.42 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BE097097.D

Acq: 25 Jul 2018 7:35

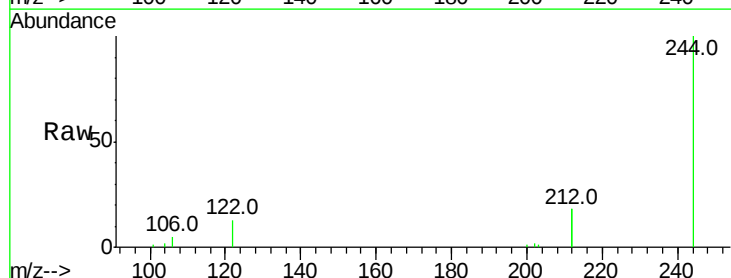
Tgt Ion:244 Resp: 5149

Ion Ratio Lower Upper

244 100

212 36.4 25.4 38.0

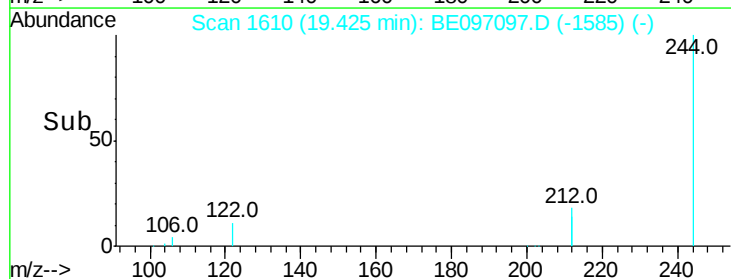
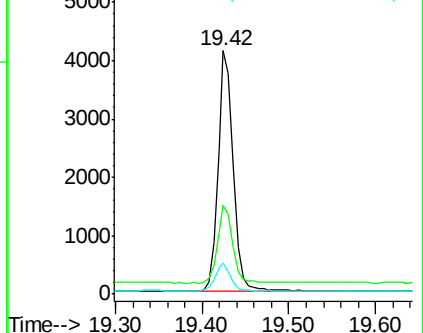
122 12.5 8.1 12.1#

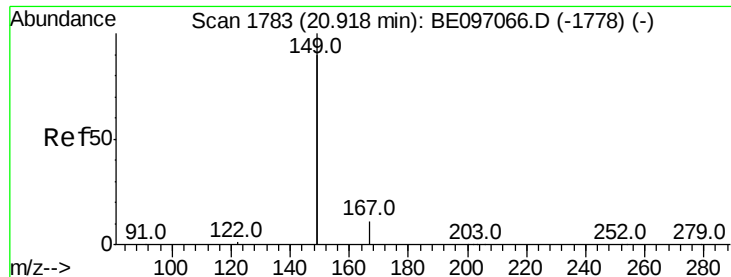


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.081 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097097.D

Acq: 25 Jul 2018 7:35

Instrument :

BNA_E

ClientSampleId :

RE109D3-071618DL

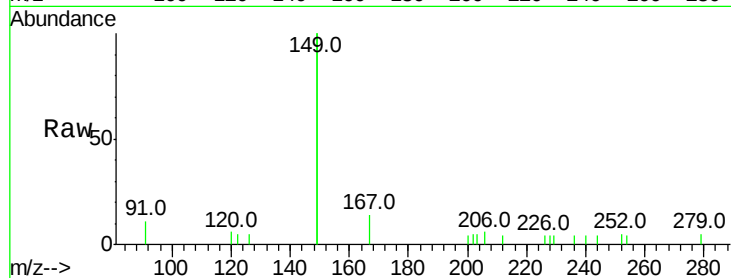
Tot Ion:149 Resp: 2481

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

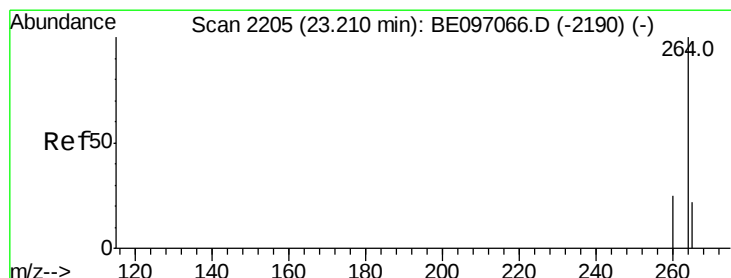
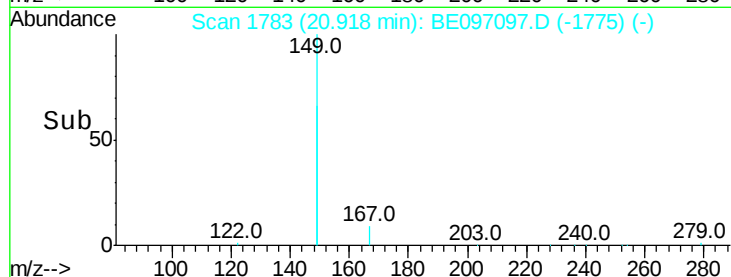
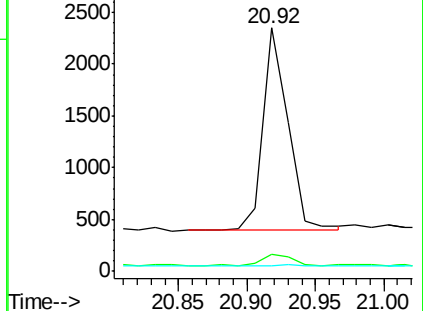
279 1.2 0.7 1.1#



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: BE097097.D

Acq: 25 Jul 2018 7:35

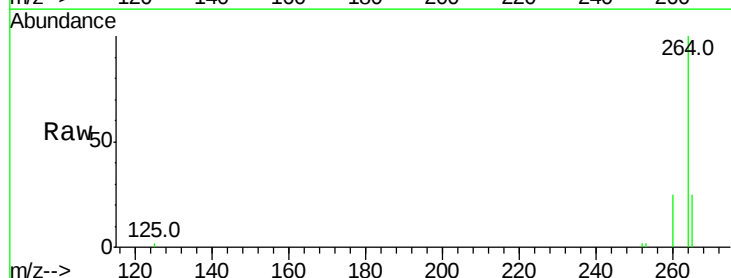
Tgt Ion:264 Resp: 9985

Ion Ratio Lower Upper

264 100

260 25.0 20.5 30.7

265 25.0 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

