

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097096.D
 Acq On : 25 Jul 2018 6:59
 Operator : SJ/JU
 Sample : J4073-07DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW04-071718DL

Quant Time: Jul 25 08:57:49 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

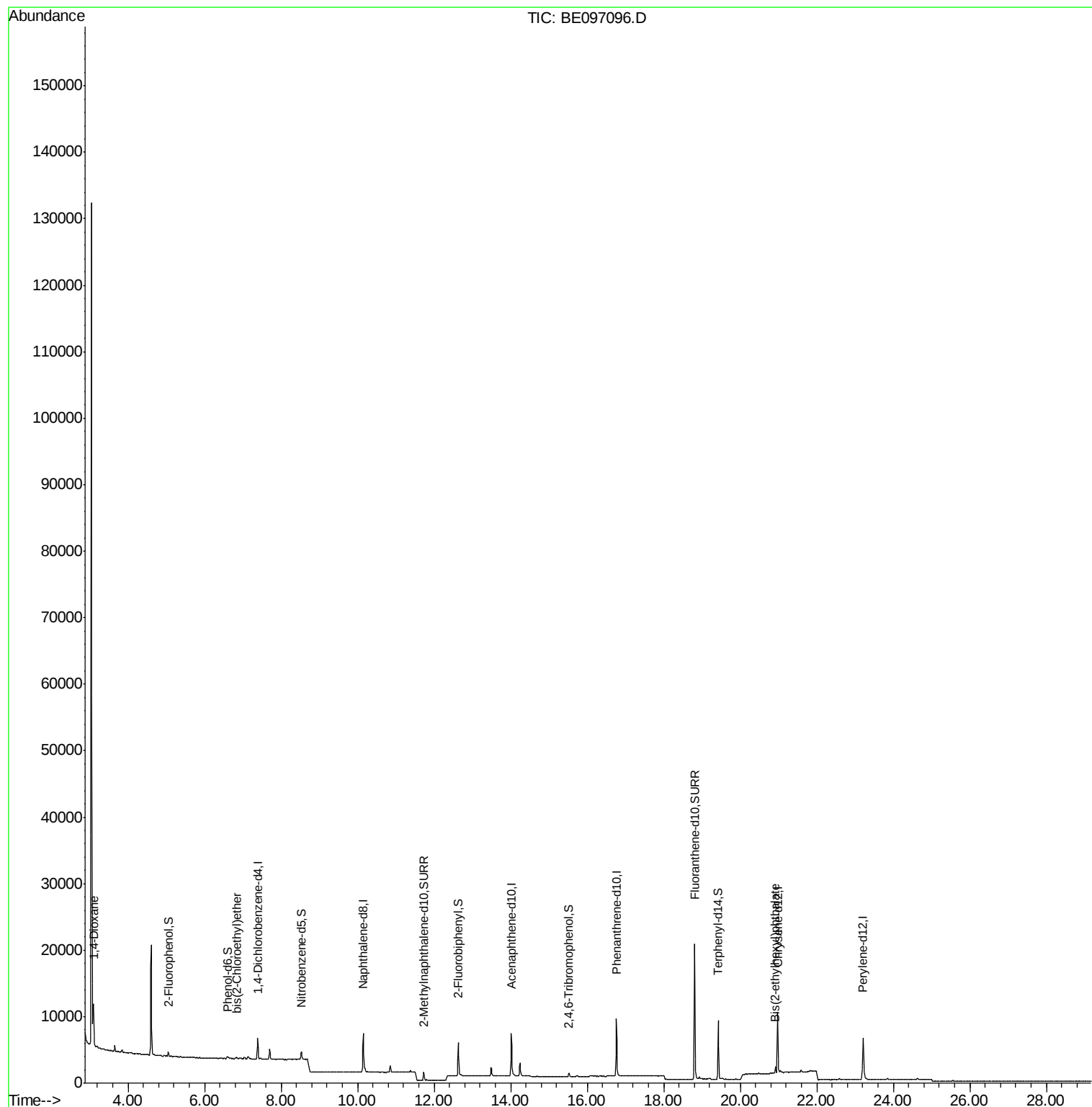
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1376	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6486	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4003	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11853	0.40	ng	0.00
27) Chrysene-d12	20.98	240	10778	0.40	ng	0.00
34) Perylene-d12	23.21	264	10070	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	363	0.09	ng	0.00
5) Phenol-d6	6.60	99	296	0.05	ng	0.00
8) Nitrobenzene-d5	8.53	82	1309	0.23	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	2051	0.21	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	336	0.26	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	4960	0.36	ng	0.00
25) Fluoranthene-d10	18.81	212	27391	0.23	ng	0.00
29) Terphenyl-d14	19.42	244	7985	0.39	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.10	88	3646	1.667	ng	Qvalue # 86
6) bis(2-Chloroethyl)ether	6.84	93	122	0.024	ng	84
32) Bis(2-ethylhexyl)phthalate	20.92	149	1231	0.033	ng	99

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

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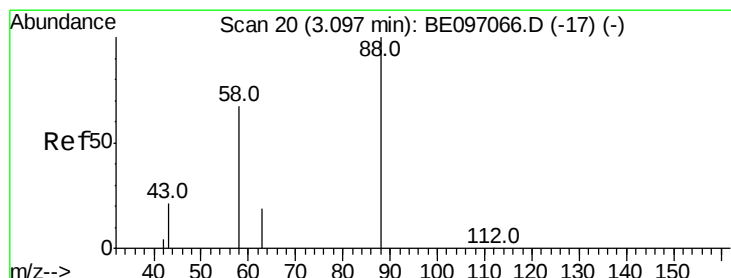
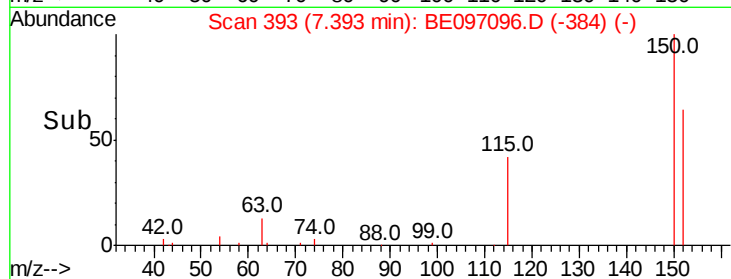
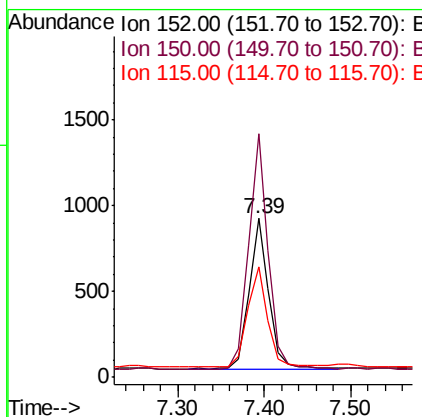
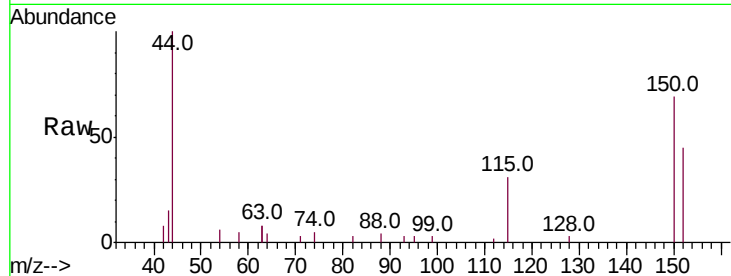




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.39 min Scan# 393
 Delta R.T. 0.00 min
 Lab File: BE097096.D
 Acq: 25 Jul 2018 6:59

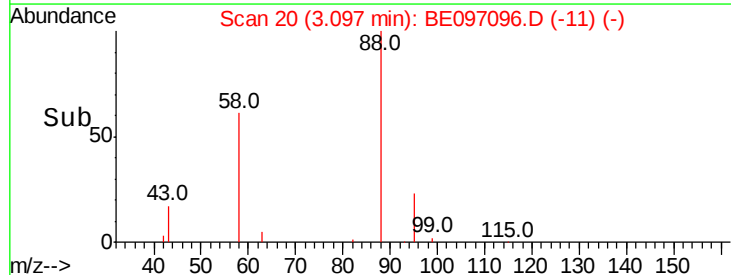
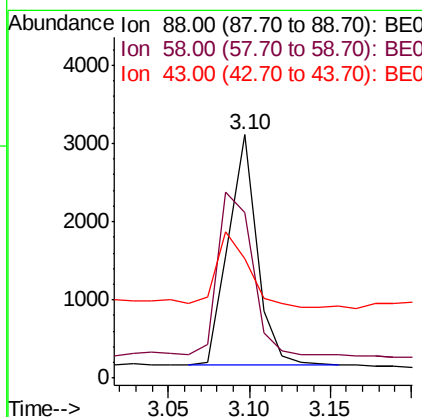
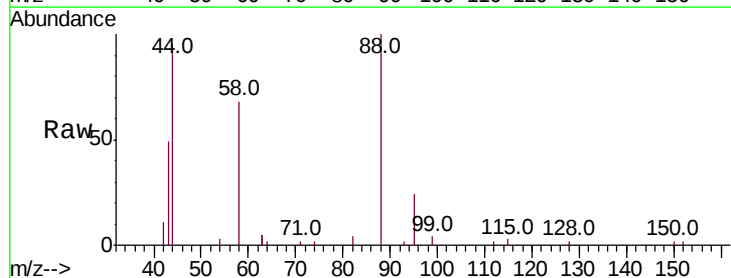
Instrument :
 BNA_E
 ClientSampleId :
 GW04-071718DL

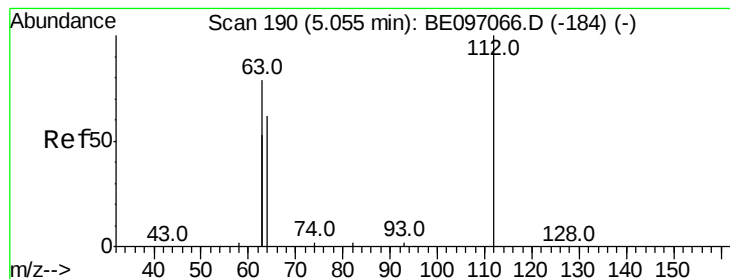
Tot Ion:152 Resp: 1376
 Ion Ratio Lower Upper
 152 100
 150 153.4 117.2 175.8
 115 69.3 57.0 85.6



#2
 1,4-Dioxane
 Concen: 1.667 ng
 RT: 3.10 min Scan# 20
 Delta R.T. 0.00 min
 Lab File: BE097096.D
 Acq: 25 Jul 2018 6:59

Tgt Ion: 88 Resp: 3646
 Ion Ratio Lower Upper
 88 100
 58 86.0 63.2 94.8
 43 35.5 41.2 61.8#





#4

2-Fluorophenol

Concen: 0.094 ng

RT: 5.06 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097096.D

Acq: 25 Jul 2018 6:59

Instrument :

BNA_E

ClientSampleId :

GW04-071718DL

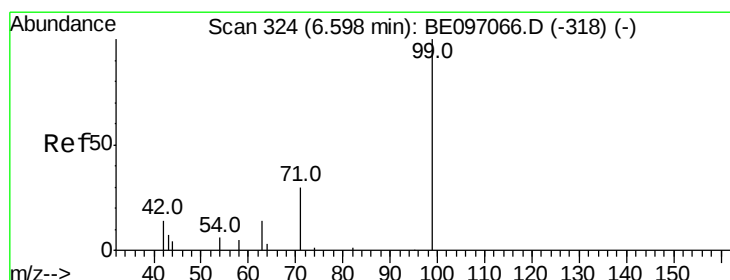
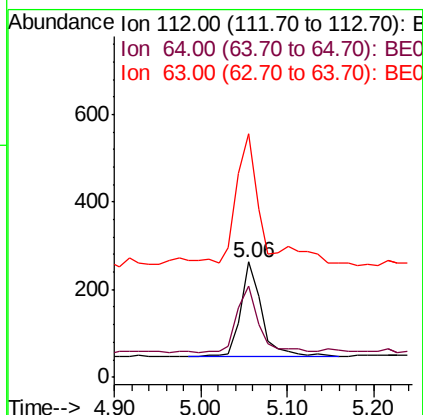
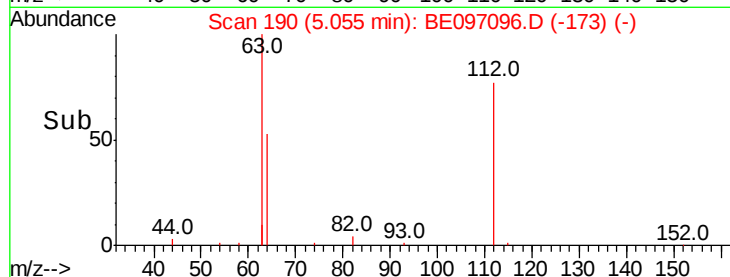
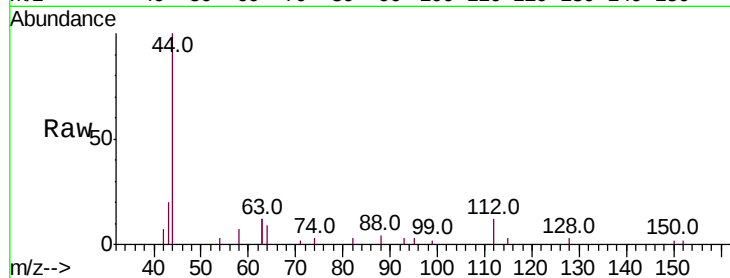
Tot Ion:112 Resp: 363

Ion Ratio Lower Upper

112 100

64 74.9 60.1 90.1

63 124.5 116.8 175.2



#5

Phenol-d6

Concen: 0.052 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097096.D

Acq: 25 Jul 2018 6:59

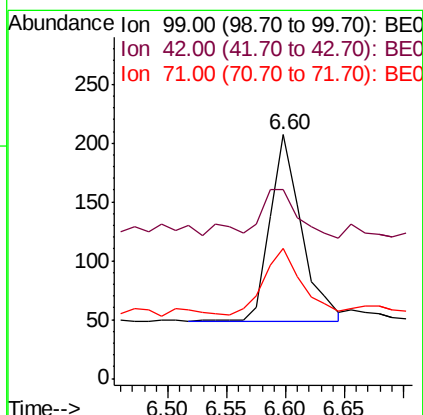
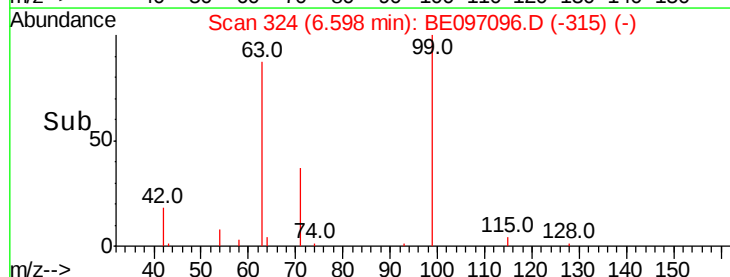
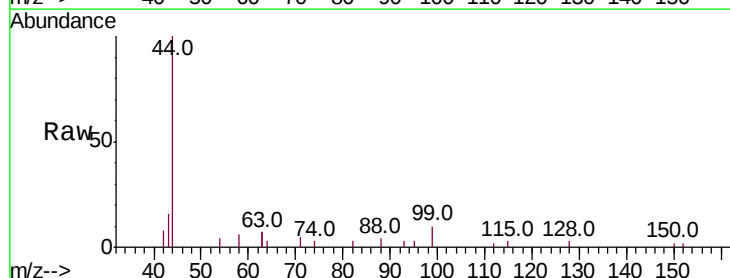
Tgt Ion: 99 Resp: 296

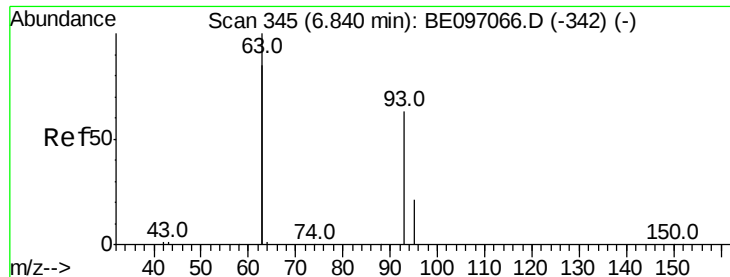
Ion Ratio Lower Upper

99 100

42 35.8 20.2 30.2#

71 41.9 28.4 42.6





#6

bis(2-Chloroethyl)ether

Concen: 0.024 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097096.D

Acq: 25 Jul 2018 6:59

Instrument :

BNA_E

ClientSampleId :

GW04-071718DL

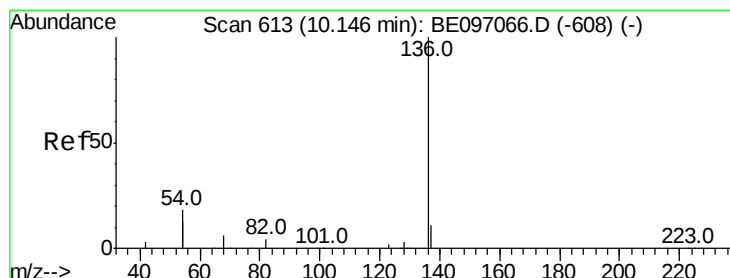
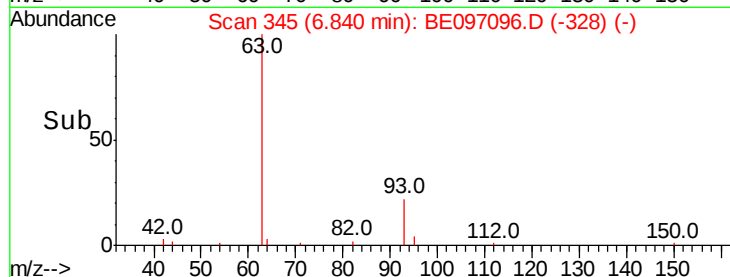
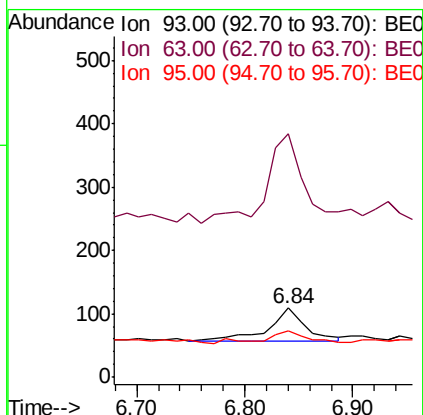
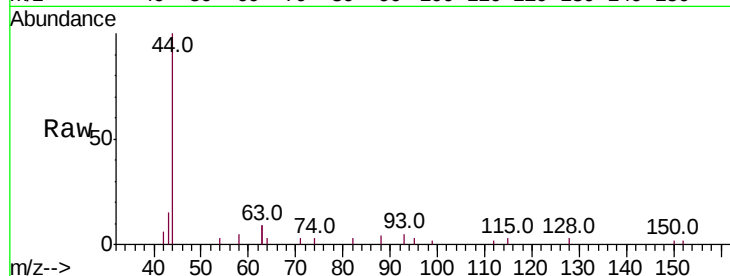
Tot Ion: 93 Resp: 122

Ion Ratio Lower Upper

93 100

63 307.4 275.3 412.9

95 29.5 25.2 37.8



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097096.D

Acq: 25 Jul 2018 6:59

Tgt Ion: 136 Resp: 6486

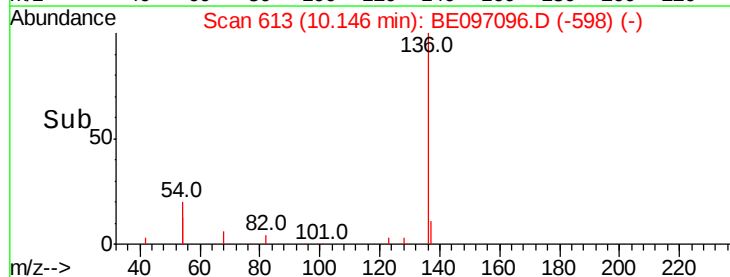
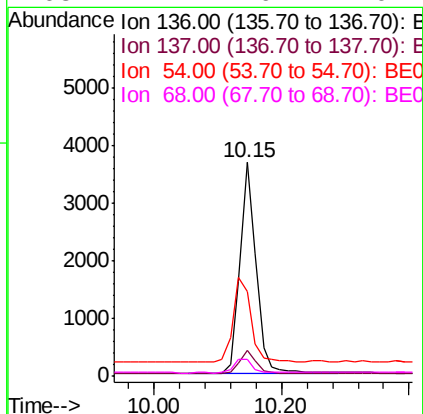
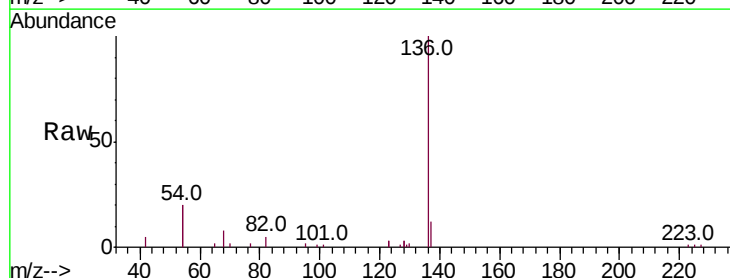
Ion Ratio Lower Upper

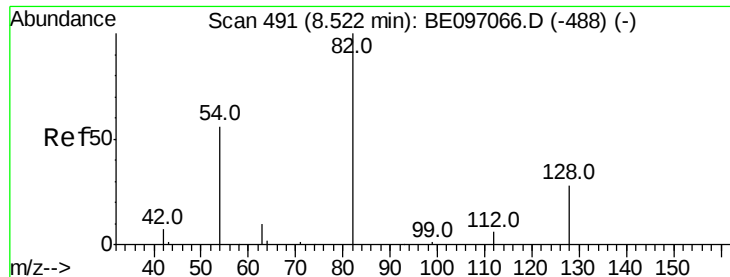
136 100

137 11.9 9.5 14.3

54 39.4 29.1 43.7

68 7.7 6.2 9.2





#8

Nitrobenzene-d5

Concen: 0.232 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097096.D

Acq: 25 Jul 2018 6:59

Instrument :

BNA_E

ClientSampleId :

GW04-071718DL

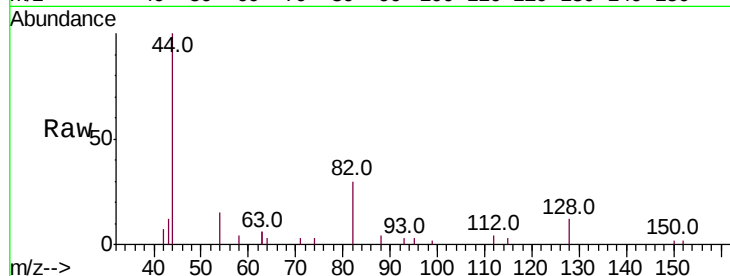
Tot Ion: 82 Resp: 1309

Ion Ratio Lower Upper

82 100

128 41.3 24.0 36.0#

54 50.6 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

8.53

600

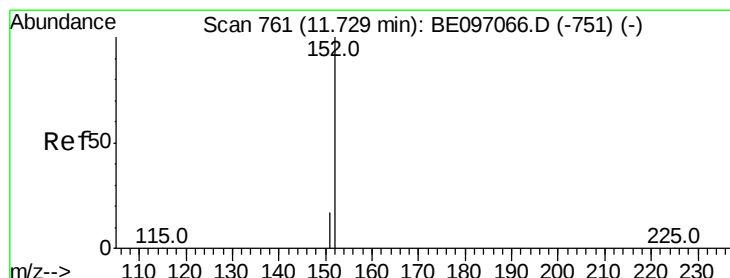
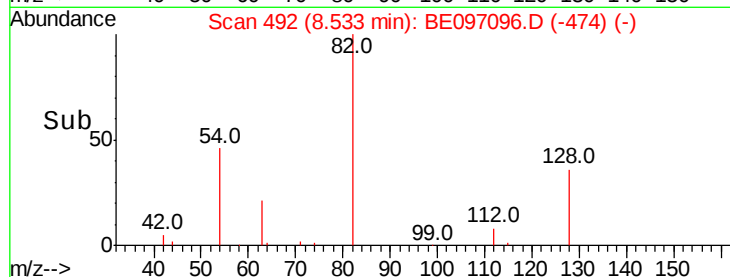
400

200

0

8.40 8.50 8.60 8.70

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.211 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097096.D

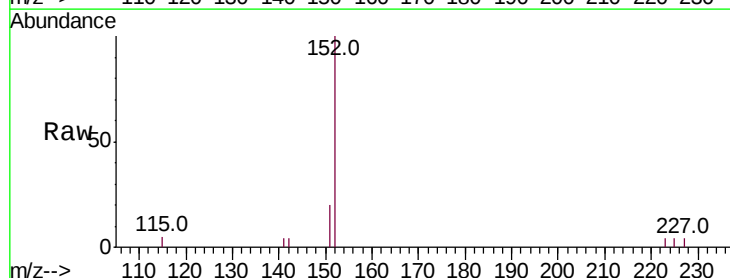
Acq: 25 Jul 2018 6:59

Tgt Ion:152 Resp: 2051

Ion Ratio Lower Upper

152 100

151 18.5 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

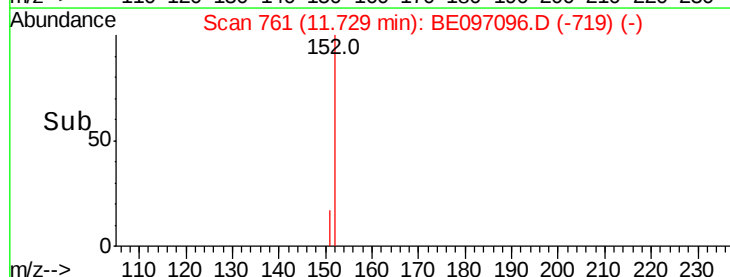
1000

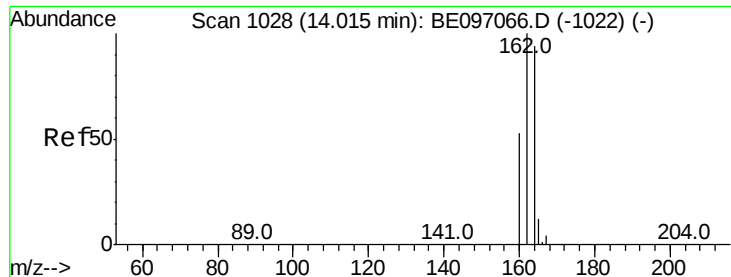
500

0

11.60 11.70 11.80 11.90

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097096.D

Acq: 25 Jul 2018 6:59

Instrument :

BNA_E

ClientSampleId :

GW04-071718DL

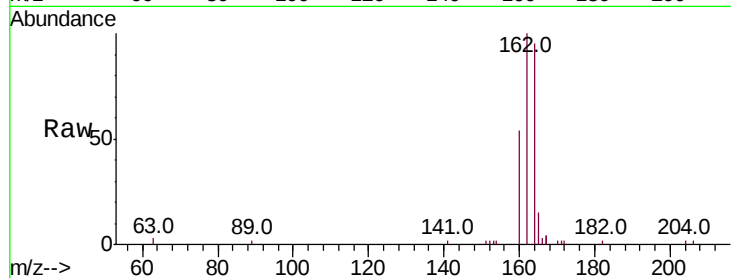
Tot Ion:164 Resp: 4003

Ion Ratio Lower Upper

164 100

162 105.5 83.1 124.7

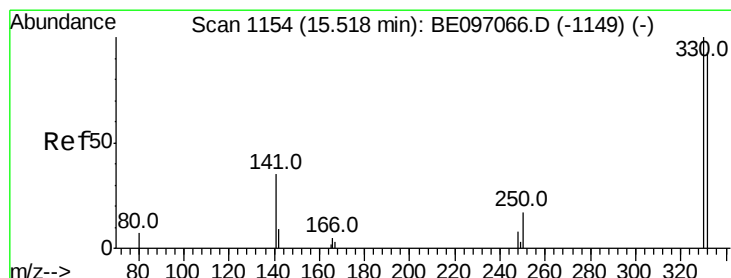
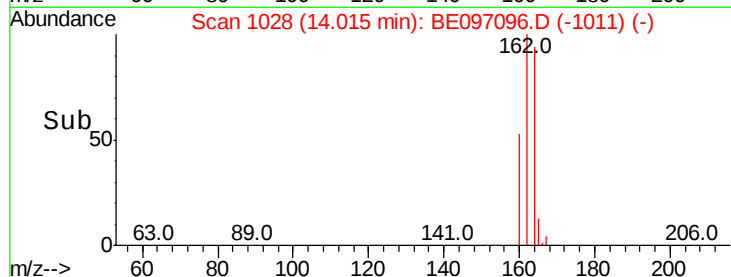
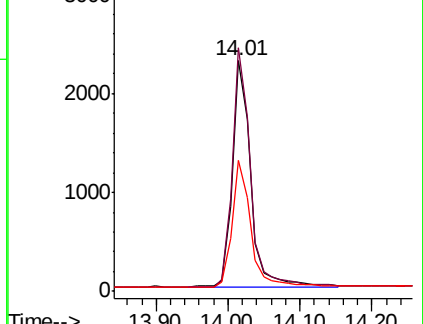
160 57.0 37.1 55.7#



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: 0.255 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097096.D

Acq: 25 Jul 2018 6:59

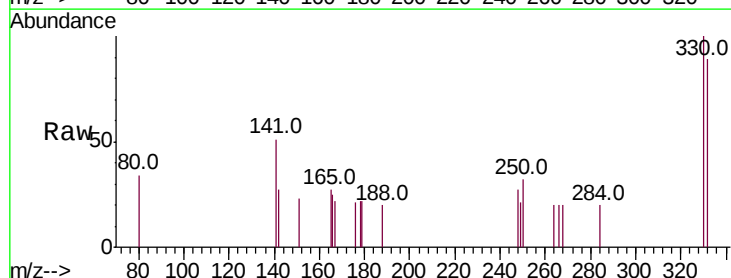
Tgt Ion:330 Resp: 336

Ion Ratio Lower Upper

330 100

332 93.2 152.7 229.1#

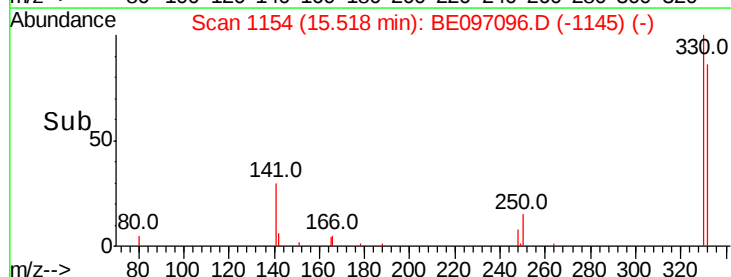
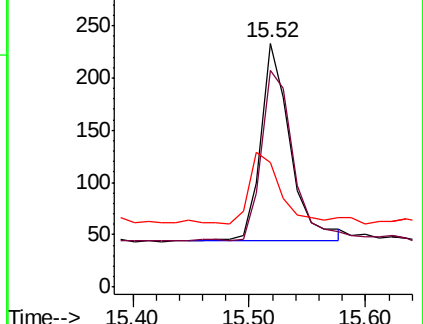
141 36.9 33.7 50.5

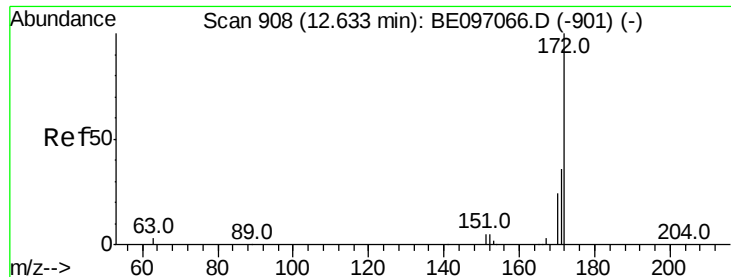


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

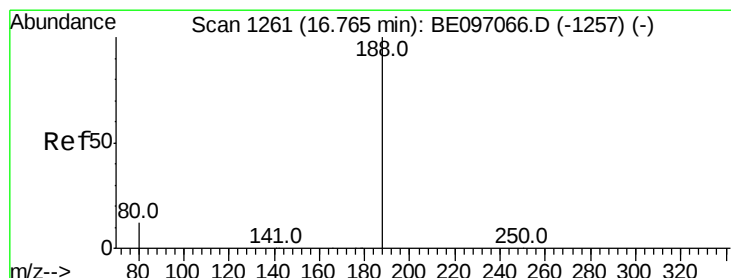
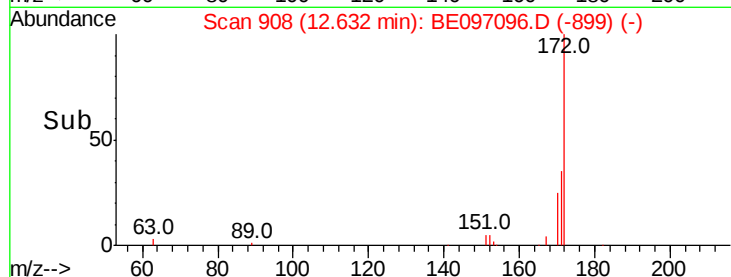
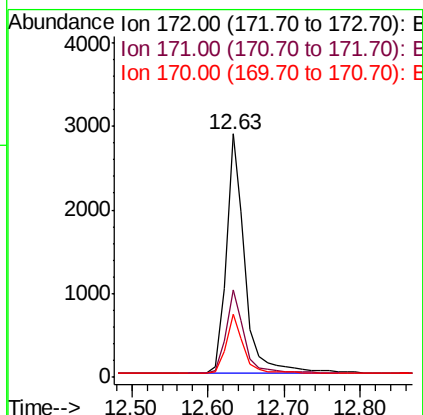
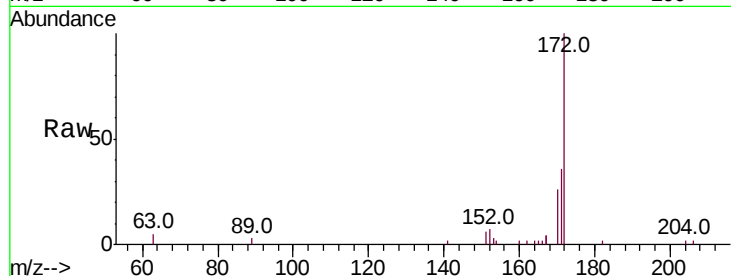




#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097096.D
Acq: 25 Jul 2018 6:59

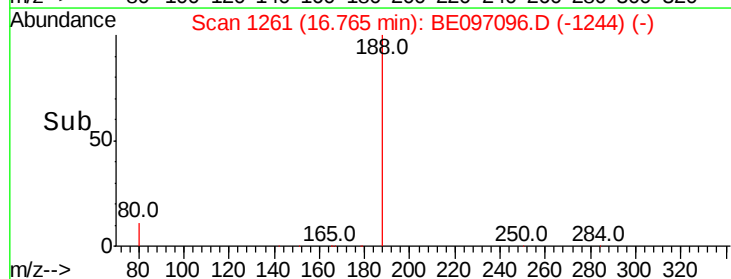
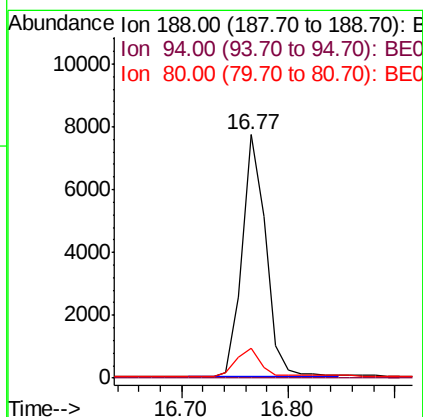
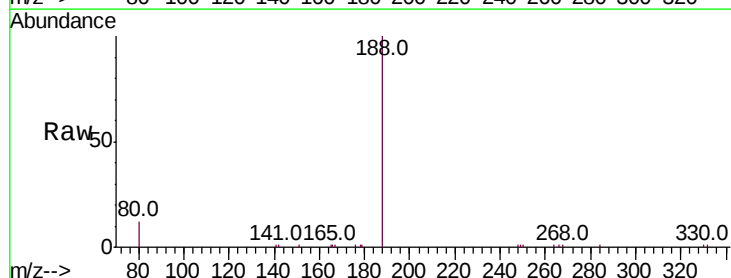
Instrument :
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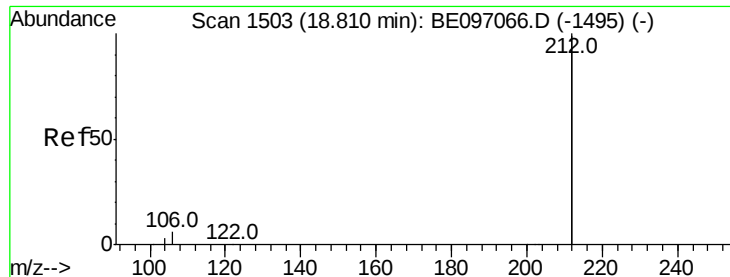
Tot Ion:172 Resp: 4960
Ion Ratio Lower Upper
172 100
171 36.2 29.9 44.9
170 26.1 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE097096.D
Acq: 25 Jul 2018 6:59

Tgt Ion:188 Resp: 11853
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 12.0 3.6 5.4#





#25

Fluoranthene-d10

Concen: 0.231 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097096.D

Acq: 25 Jul 2018 6:59

Instrument :

BNA_E

ClientSampleId :

GW04-071718DL

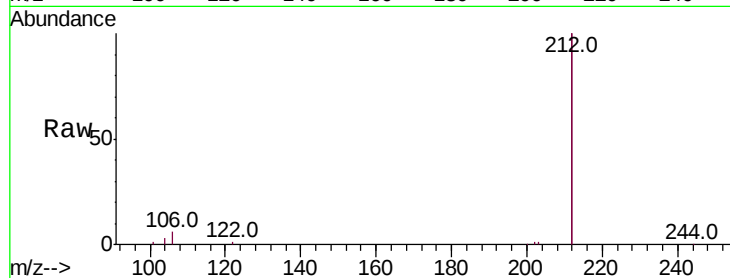
Tot Ion:212 Resp: 27391

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

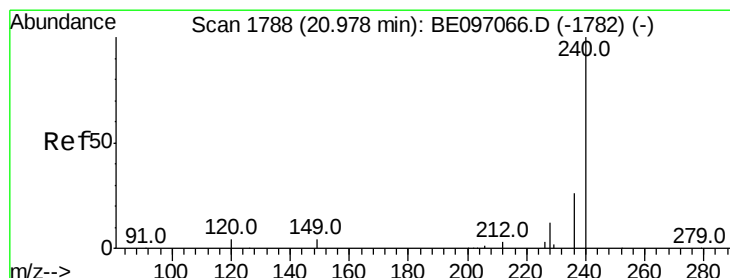
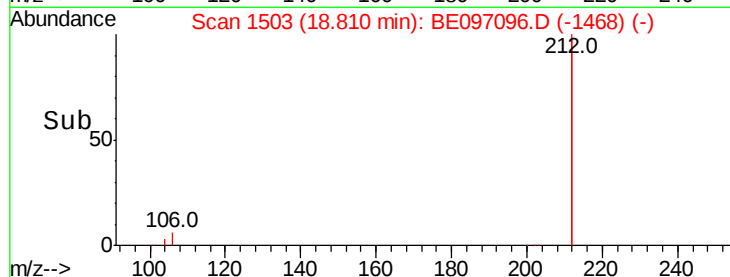
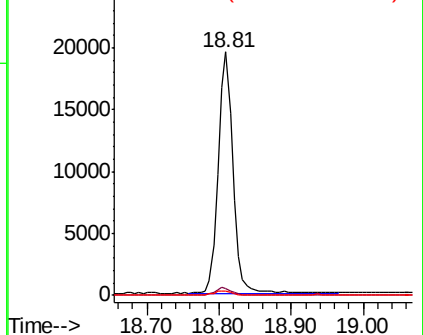
104 1.7 1.6 2.4



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# 1788

Delta R.T. 0.00 min

Lab File: BE097096.D

Acq: 25 Jul 2018 6:59

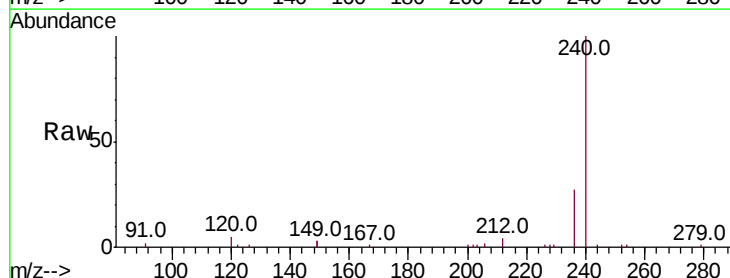
Tgt Ion:240 Resp: 10778

Ion Ratio Lower Upper

240 100

120 5.1 5.5 8.3#

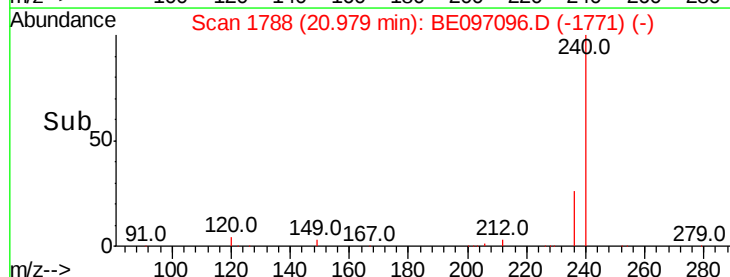
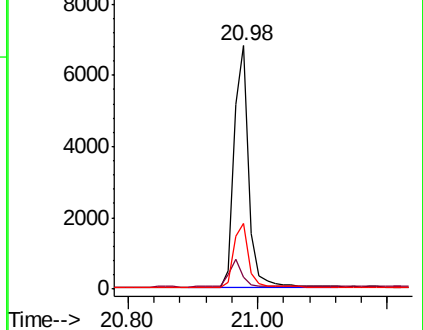
236 26.8 20.7 31.1

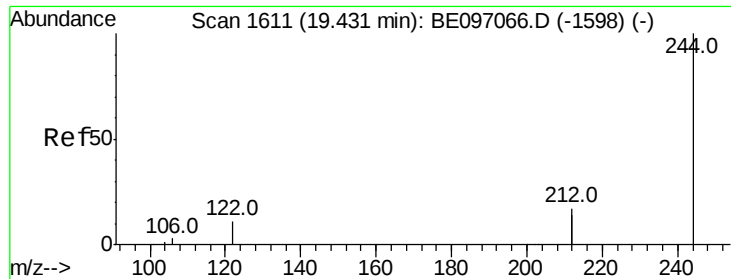


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.386 ng

RT: 19.42 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BE097096.D

Acq: 25 Jul 2018 6:59

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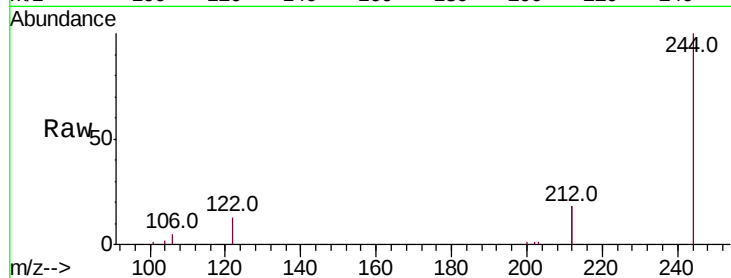
Tot Ion:244 Resp: 7985

Ion Ratio Lower Upper

244 100

212 35.1 25.4 38.0

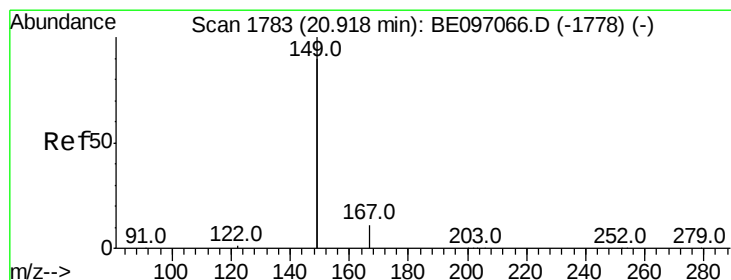
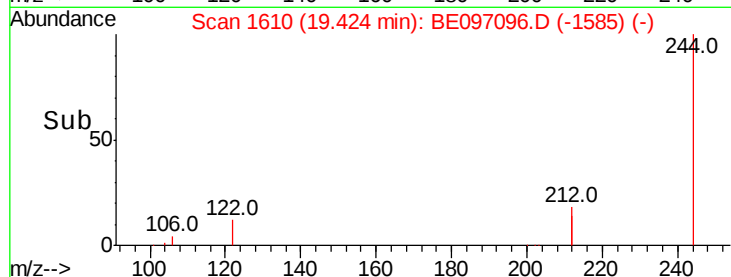
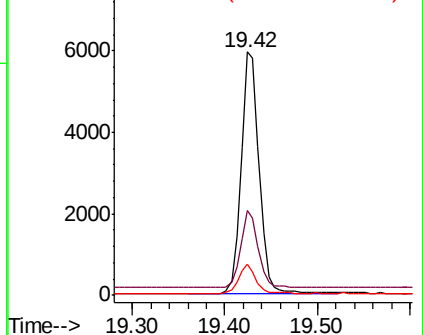
122 12.9 8.1 12.1#



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: 0.033 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097096.D

Acq: 25 Jul 2018 6:59

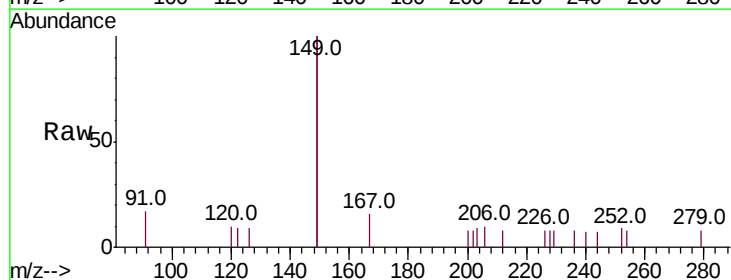
Tgt Ion:149 Resp: 1231

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

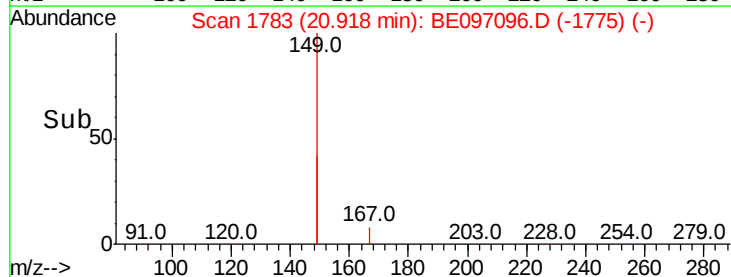
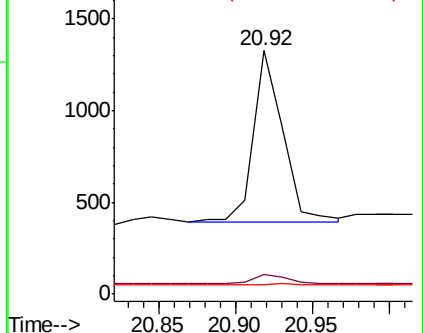
279 1.1 0.7 1.1

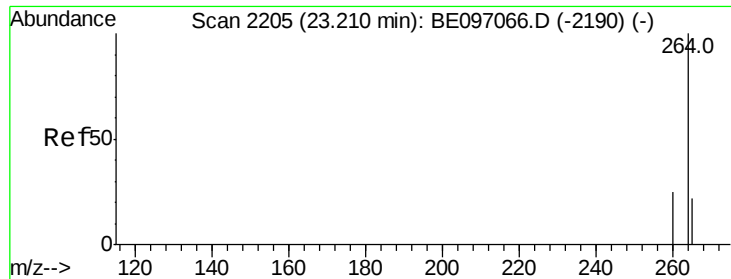


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

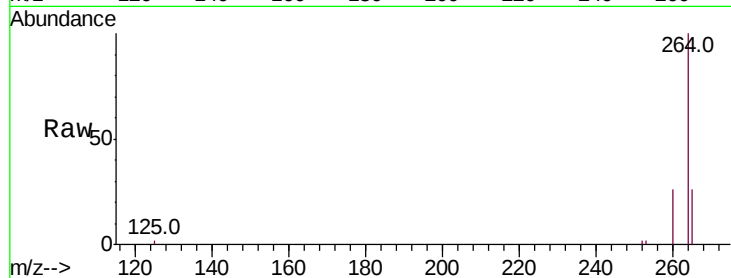




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BE097096.D
Acq: 25 Jul 2018 6:59

Instrument :
BNA_E
ClientSampleId :
GW04-071718DL

Tot Ion:264 Resp: 10070
Ion Ratio Lower Upper
264 100
260 26.2 20.5 30.7
265 25.6 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

