

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE043018\
 Data File : BE096239.D
 Acq On : 1 May 2018 1:33
 Operator : SJ/JU
 Sample : J2600-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-DUP01-20180424

Quant Time: May 01 06:05:45 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	1021	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	4107	0.40	ng	0.00
13) Acenaphthene-d10	14.94	164	5294	0.40	ng	0.00
19) Phenanthrene-d10	17.67	188	4259	0.40	ng	0.02
27) Chrysene-d12	21.75	240	4185	0.40	ng	0.01
34) Perylene-d12	24.37	264	3824	0.40	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.88	112	877	0.28	ng	0.02
5) Phenol-d6	7.53	99	456	0.10	ng	0.02
8) Nitrobenzene-d5	9.54	82	2943	0.61	ng	0.00
11) 2-Methylnaphthalene-d10	12.73	152	2616	0.40	ng	0.00
14) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
15) 2-Fluorobiphenyl	13.59	172	4384	0.19	ng	0.01
25) Fluoranthene-d10	19.65	212	21046	0.36	ng	0.02
29) Terphenyl-d14	20.20	244	4061	0.44	ng	0.01

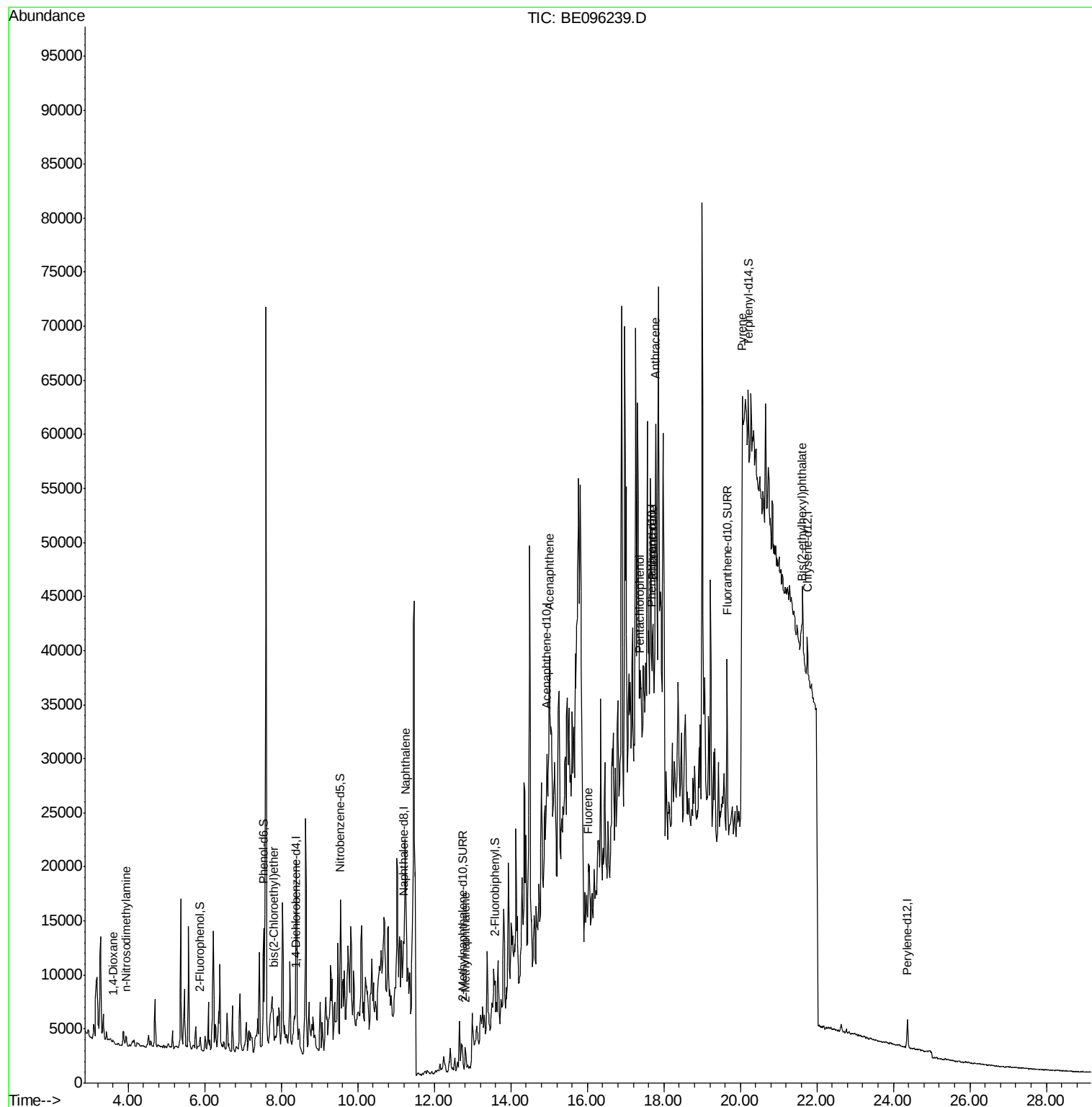
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.61	88	80	0.051	ng	# 1
3) n-Nitrosodimethylamine	3.94	42	164	0.085	ng	# 1
6) bis(2-Chloroethyl)ether	7.80	93	269	0.070	ng	# 1
9) Naphthalene	11.24	128	14406	0.333	ng	# 82
12) 2-Methylnaphthalene	12.81	142	568	0.079	ng	# 1
17) Acenaphthene	15.01	154	871	0.051	ng	# 16
18) Fluorene	16.02	166	4983	0.237	ng	# 42
22) Pentachlorophenol	17.37	266	13	0.147	ng	# 89
23) Phenanthrene	17.71	178	3576	0.299	ng	# 61
24) Anthracene	17.79	178	8155	0.713	ng	# 62
28) Pyrene	20.05	202	1095	0.133	ng	# 58
32) Bis(2-ethylhexyl)phthalate	21.61	149	5074	0.146	ng	# 94

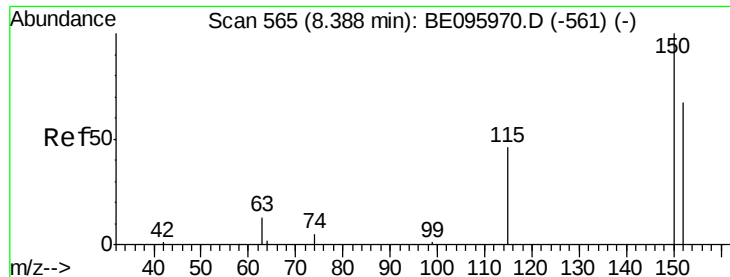
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.36 min Scan# 562

Delta R.T. 0.00 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

Instrument :

BNA_E

ClientSampleId :

BP-DUP01-20180424

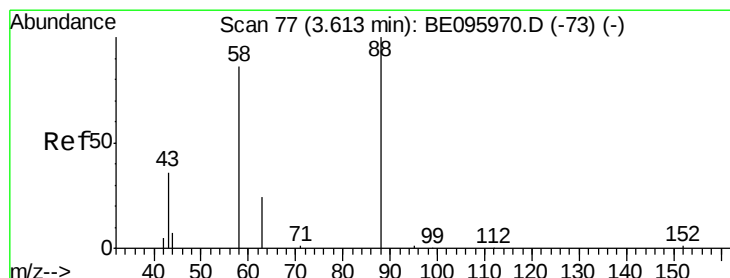
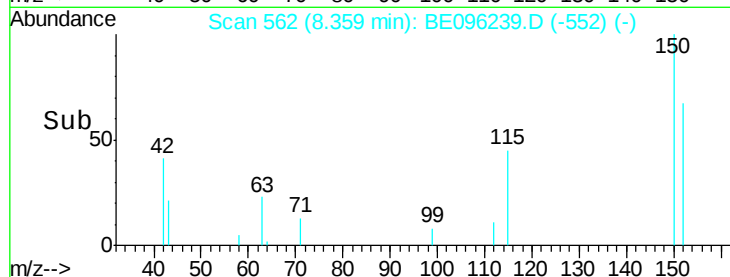
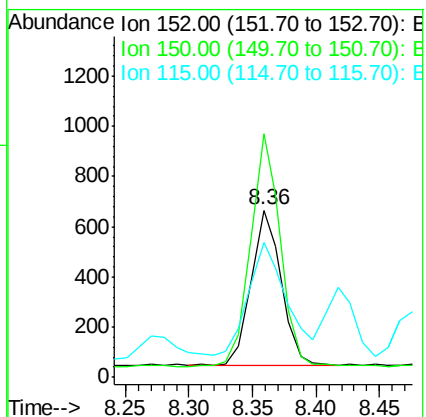
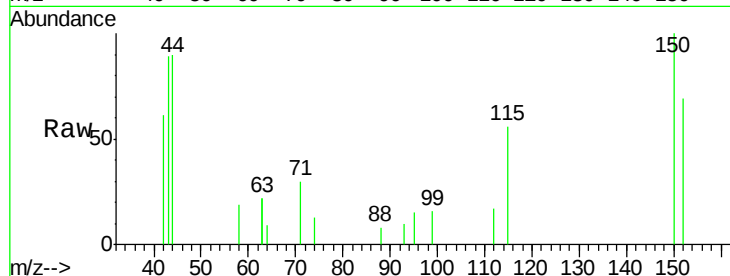
Tgt Ion:152 Resp: 1021

Ion Ratio Lower Upper

152 100

150 145.9 117.2 175.8

115 81.1 57.0 85.6



#2

1,4-Dioxane

Concen: 0.051 ng

RT: 3.61 min Scan# 77

Delta R.T. 0.01 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

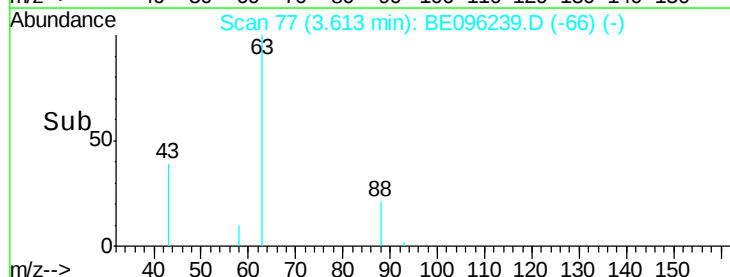
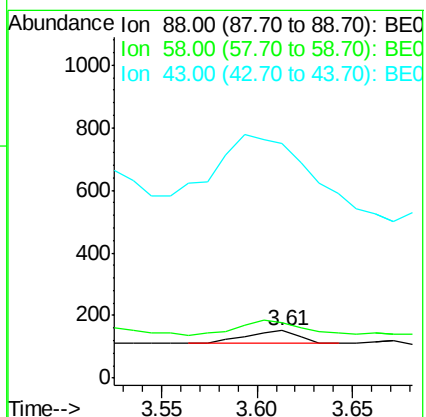
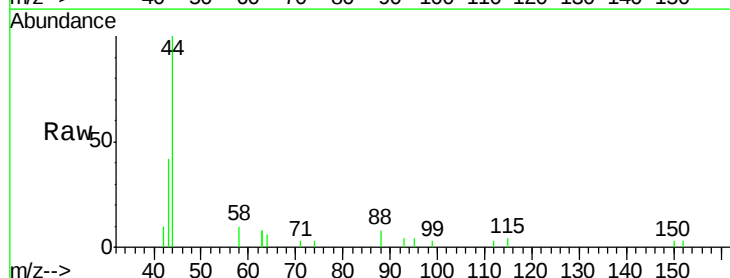
Tgt Ion: 88 Resp: 80

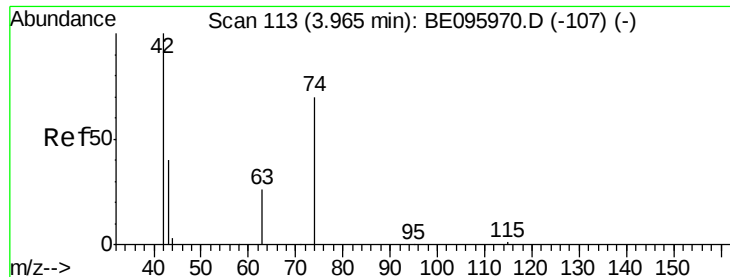
Ion Ratio Lower Upper

88 100

58 150.0 63.2 94.8#

43 1050.0 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.085 ng

RT: 3.94 min Scan# 110

Delta R.T. -0.02 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

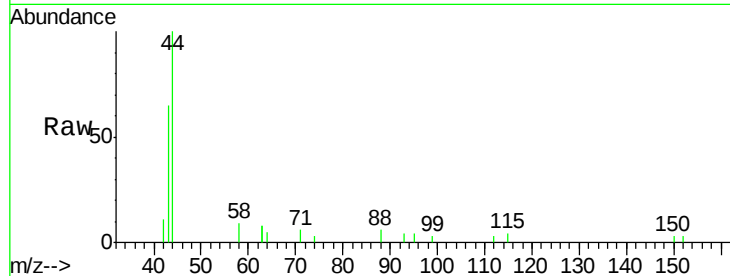
Instrument :

BNA_E

ClientSampleId :

BP-DUP01-20180424

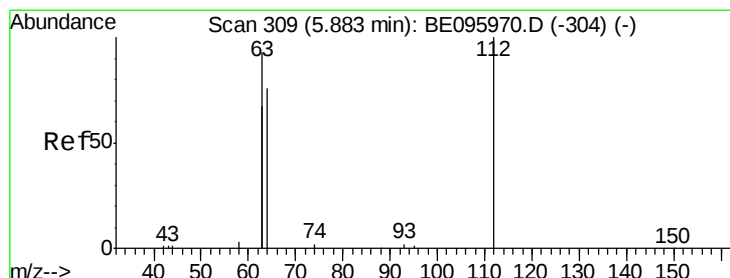
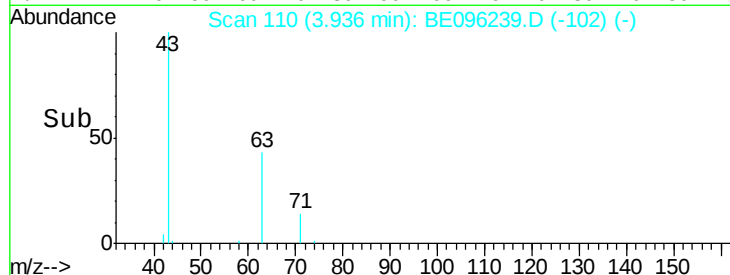
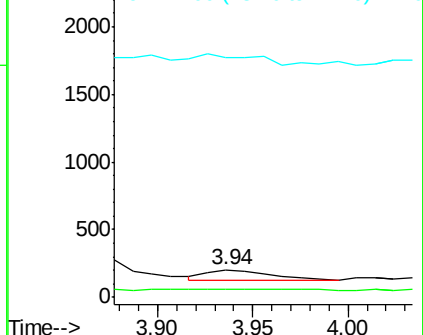
Tgt Ion:	42	Resp:	164
Ion	Ratio	Lower	Upper
42	100		
74	0.0	96.0	144.0#
44	95.7	12.0	18.0#



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: 0.278 ng

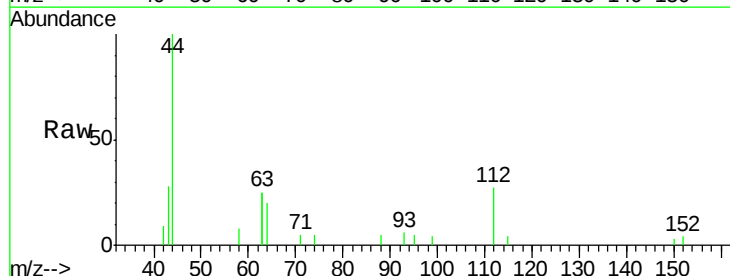
RT: 5.88 min Scan# 309

Delta R.T. 0.02 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

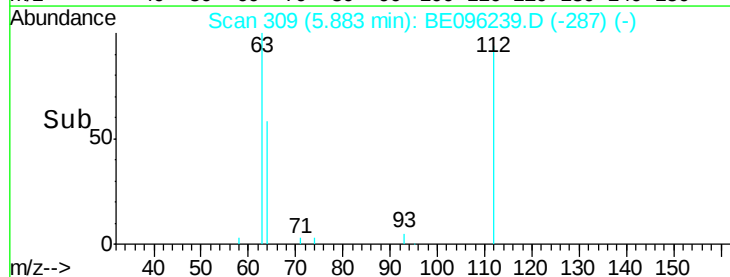
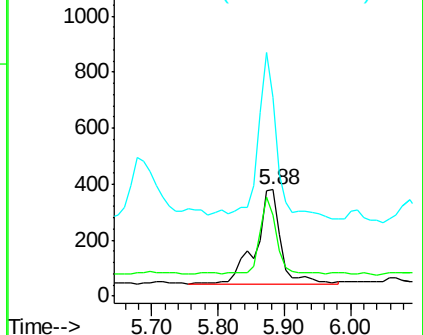
Tgt Ion:	112	Resp:	877
Ion	Ratio	Lower	Upper
112	100		
64	53.9	60.1	90.1#
63	112.3	116.8	175.2#

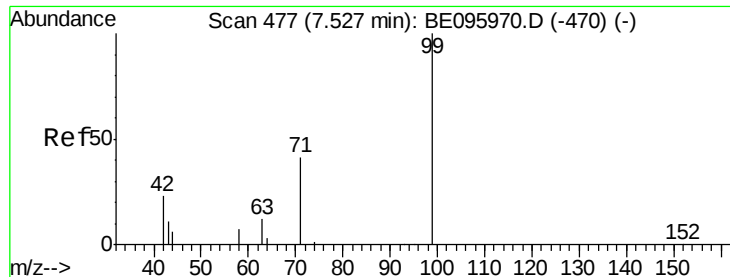


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.105 ng

RT: 7.53 min Scan# 477

Delta R.T. 0.02 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

Instrument :

BNA_E

ClientSampleId :

BP-DUP01-20180424

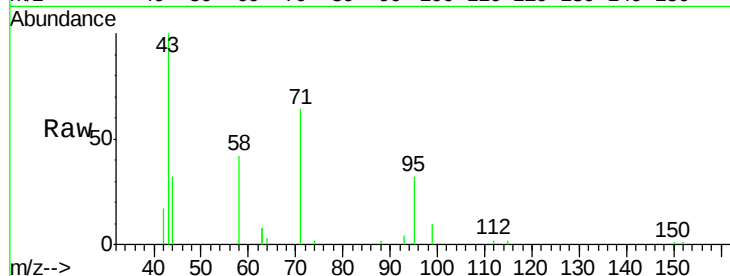
Tgt Ion: 99 Resp: 456

Ion Ratio Lower Upper

99 100

42 214.5 20.2 30.2#

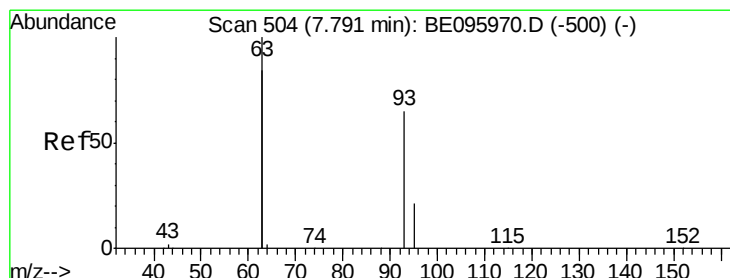
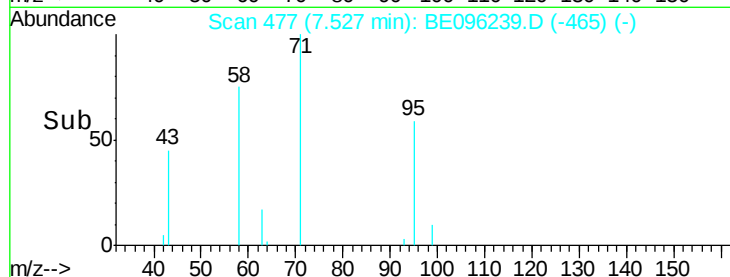
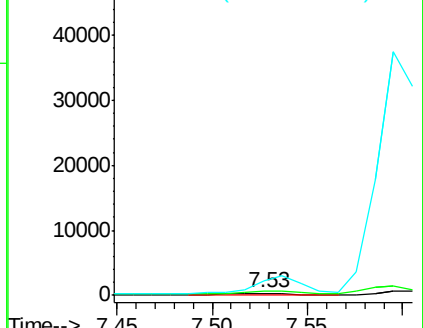
71 1130.7 28.4 42.6#



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: 0.070 ng

RT: 7.80 min Scan# 505

Delta R.T. 0.04 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

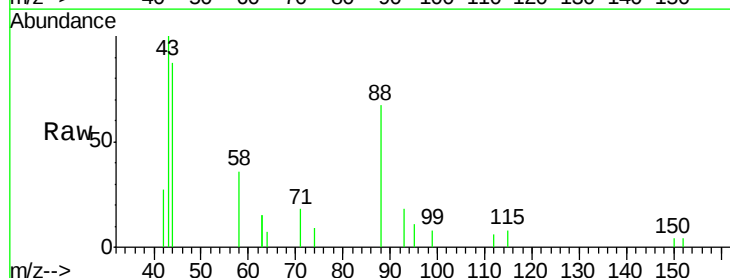
Tgt Ion: 93 Resp: 269

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

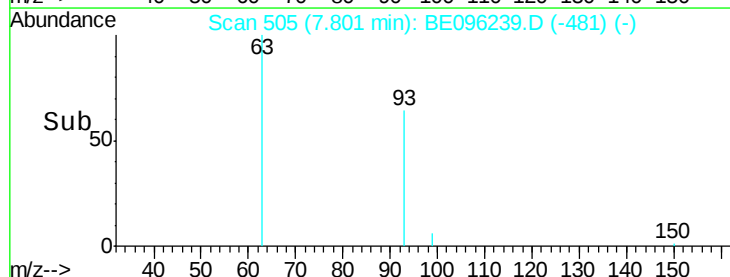
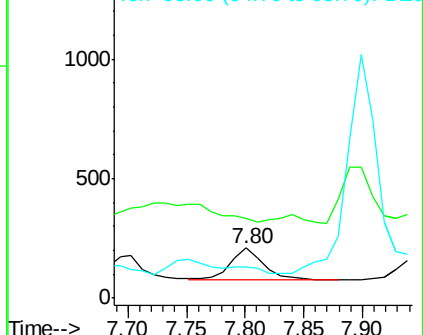
95 0.0 25.2 37.8#

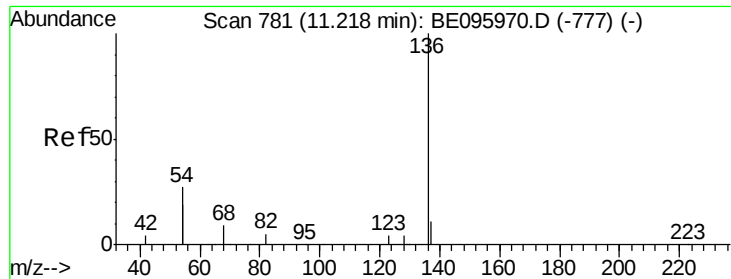


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 11.19 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

Instrument :

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ClientSampleId :

BP-DUP01-20180424

Tgt Ion: 136 Resp: 4107

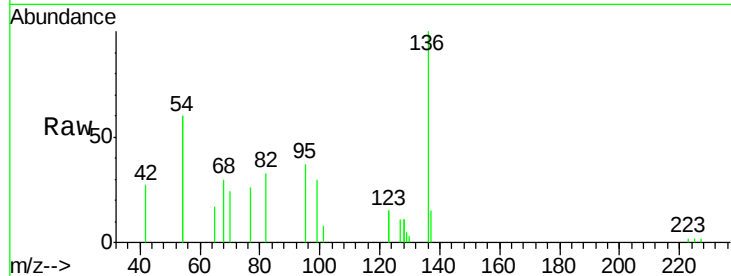
Ion Ratio Lower Upper

136 100

137 14.8 9.5 14.3#

54 120.0 29.1 43.7#

68 30.4 6.2 9.2#



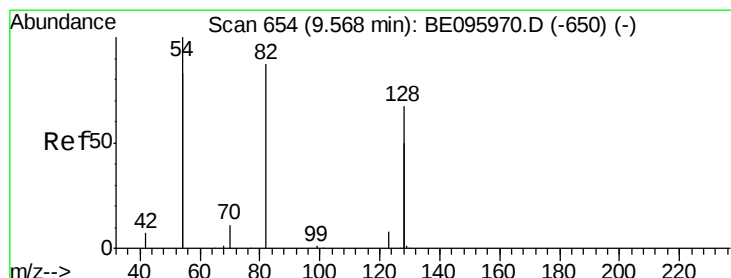
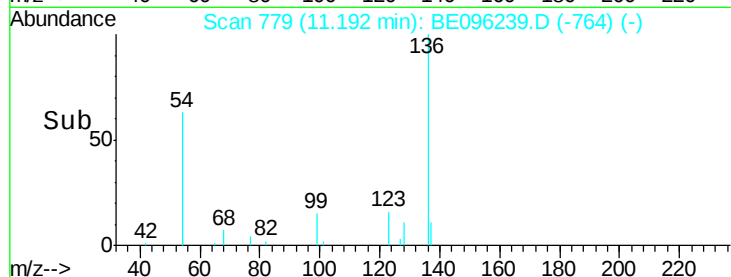
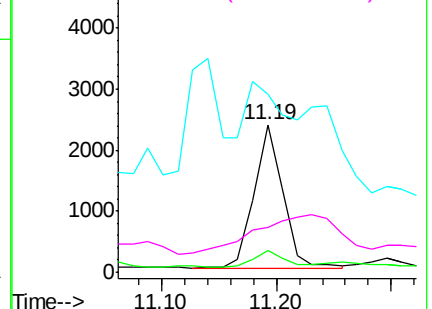
Abundance

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: 0.611 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

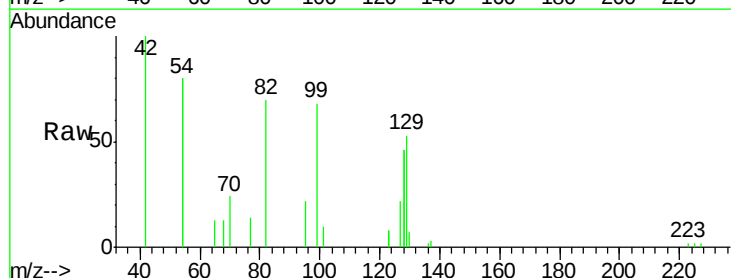
Tgt Ion: 82 Resp: 2943

Ion Ratio Lower Upper

82 100

128 129.5 150.0 225.0#

54 226.8 154.2 231.4

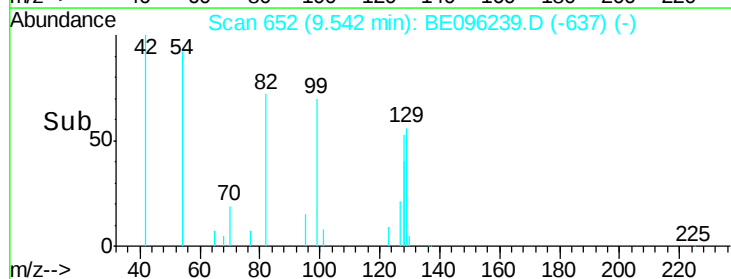
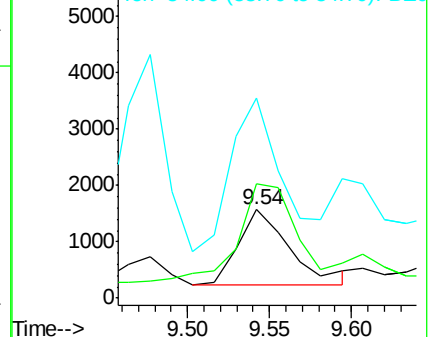


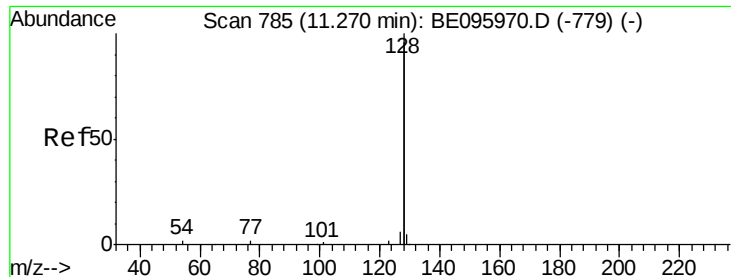
Abundance

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





#9

Naphthalene

Concen: 0.333 ng

RT: 11.24 min Scan# 783

Delta R.T. 0.00 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

Instrument :

BNA_E

ClientSampleId :

BP-DUP01-20180424

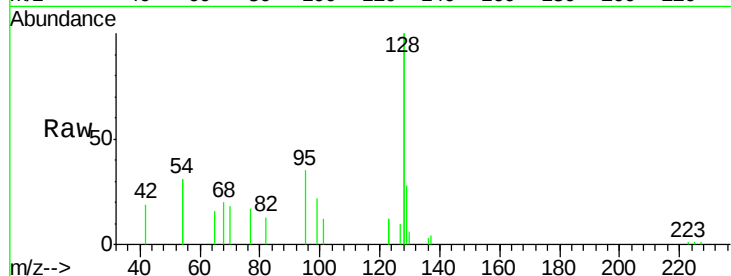
Tgt Ion:128 Resp: 14406

Ion Ratio Lower Upper

128 100

129 14.0 2.6 3.8#

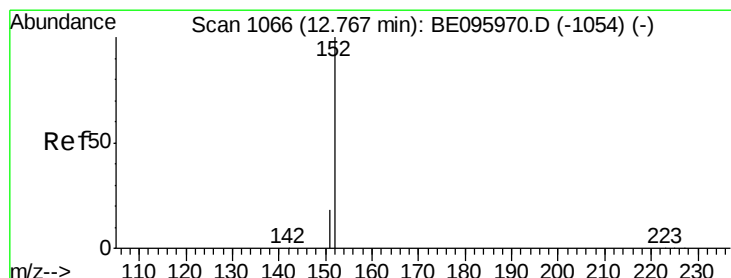
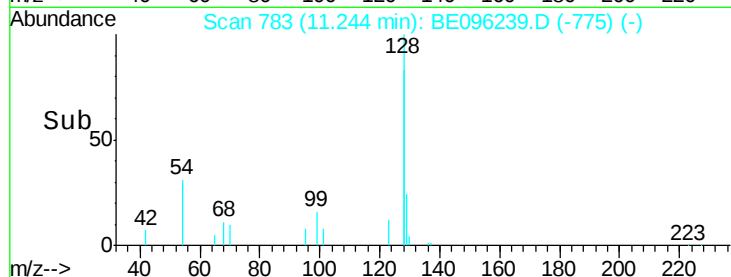
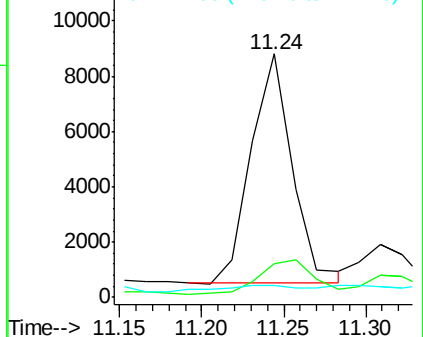
127 5.0 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.402 ng

RT: 12.73 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE096239.D

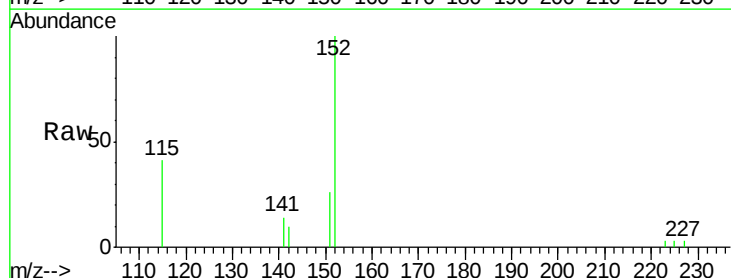
Acq: 1 May 2018 1:33

Tgt Ion:152 Resp: 2616

Ion Ratio Lower Upper

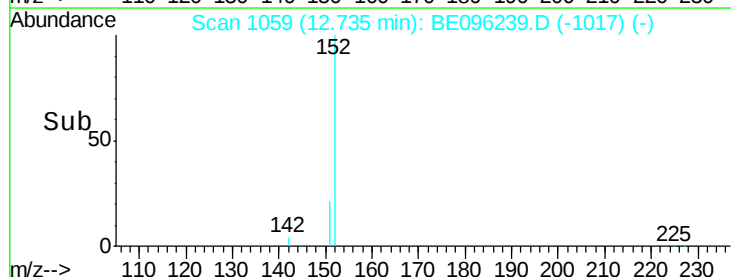
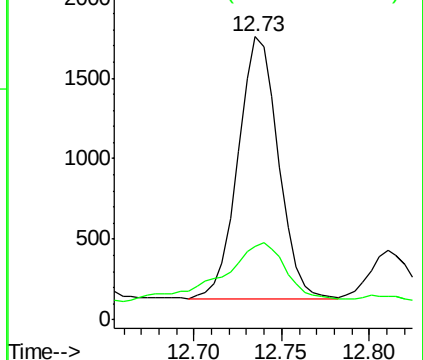
152 100

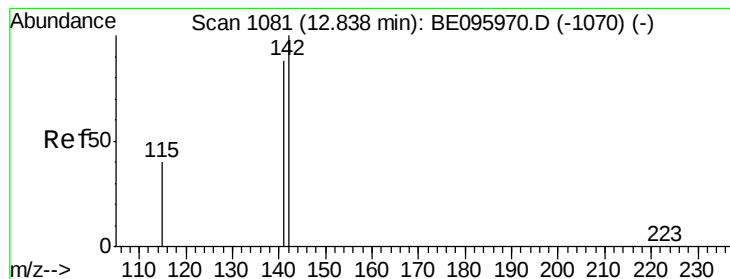
151 38.0 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.079 ng

RT: 12.81 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

Instrument :

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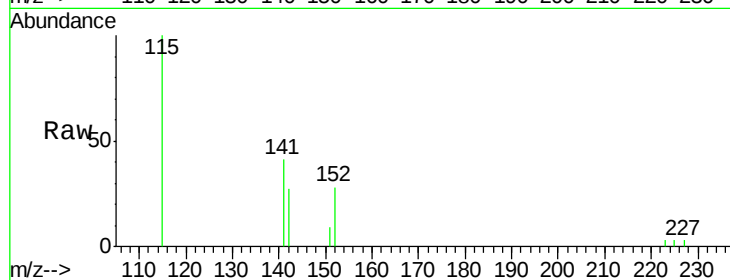
Tgt Ion:142 Resp: 568

Ion Ratio Lower Upper

142 100

141 149.4 70.4 105.6#

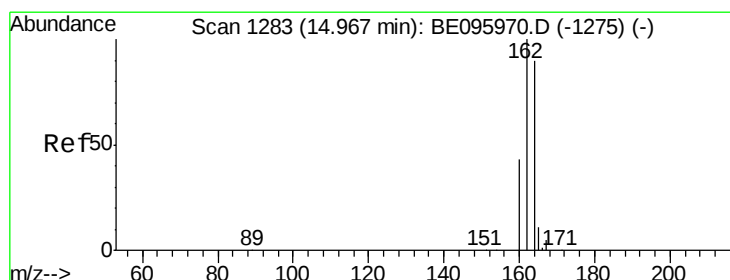
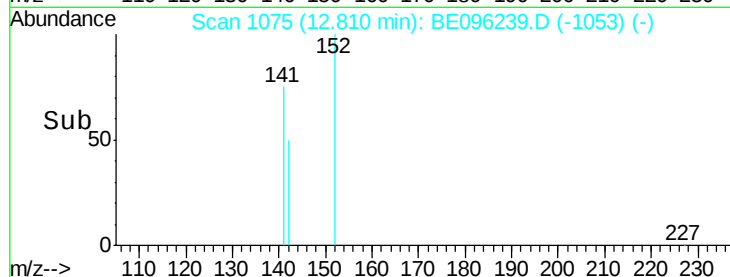
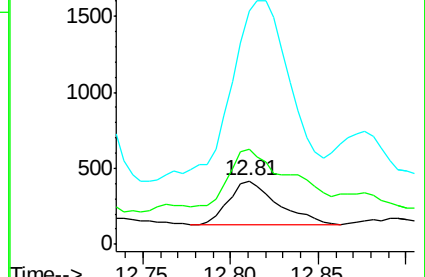
115 367.3 31.7 47.5#



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



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.94 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

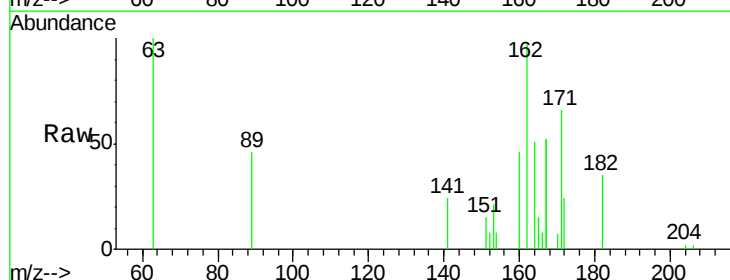
Tgt Ion:164 Resp: 5294

Ion Ratio Lower Upper

164 100

162 188.9 83.1 124.7#

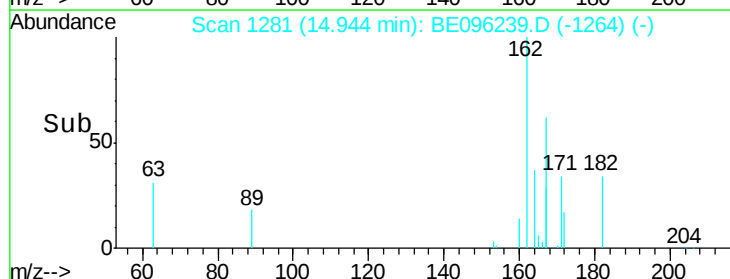
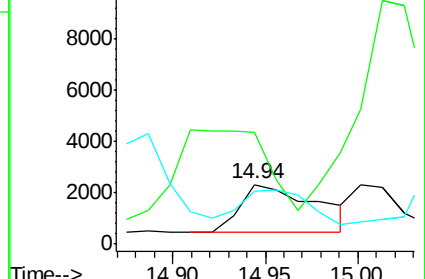
160 89.4 37.1 55.7#

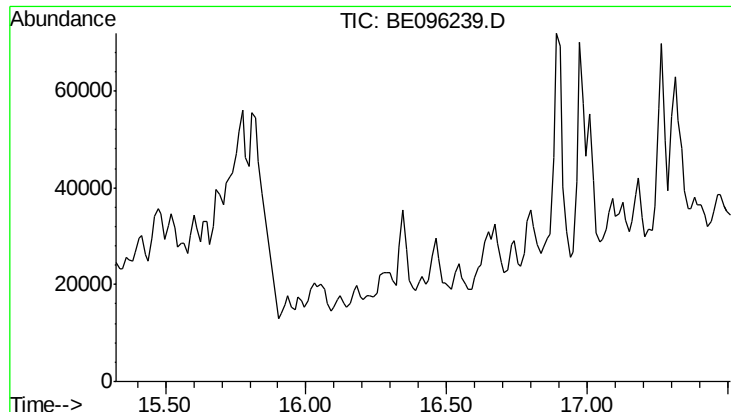


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



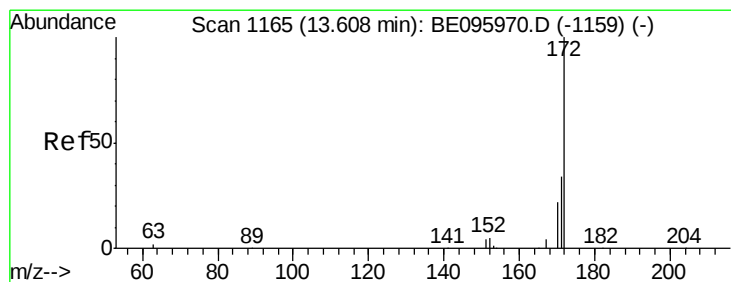
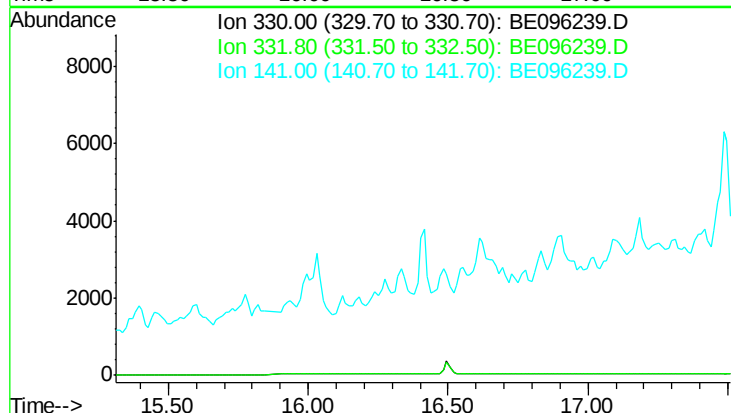


#14
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 16.41 min
 Lab File: BE096239.D
 Acq: 1 May 2018 1:33

Instrument :
 BNA_E
 ClientSampleId :
 BP-DUP01-20180424

Tgt Ion: 330

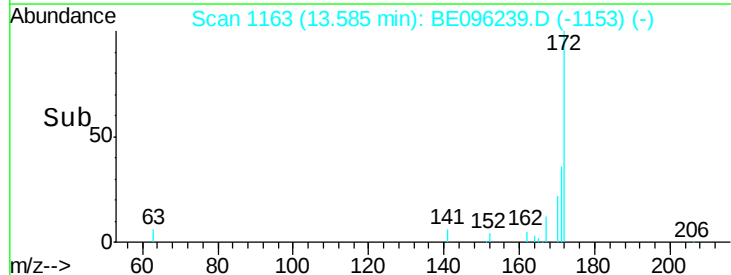
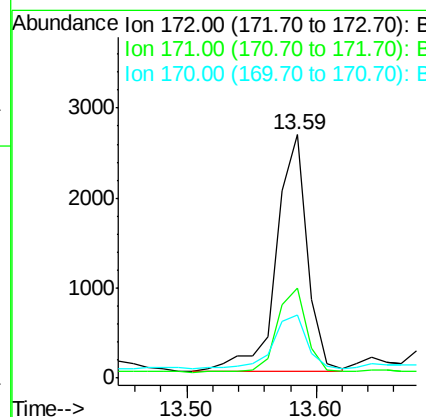
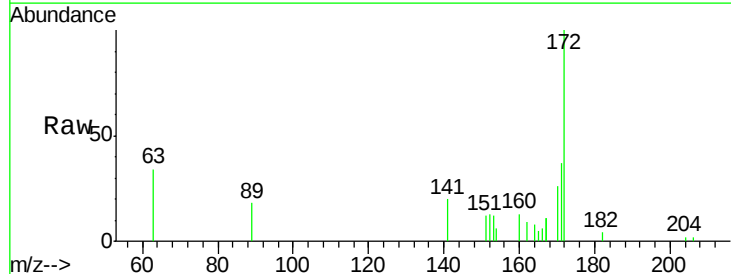
Sig	Exp Ratio
330	100
332	190.9
141	42.1

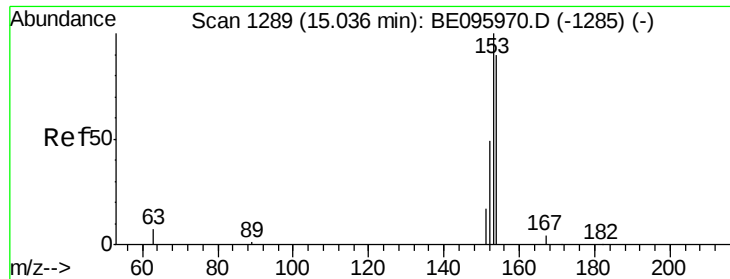


#15
 2-Fluorobiphenyl
 Concen: 0.194 ng
 RT: 13.59 min Scan# 1163
 Delta R.T. 0.01 min
 Lab File: BE096239.D
 Acq: 1 May 2018 1:33

Tgt Ion: 172 Resp: 4384

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.9	44.9
170	26.0	21.8	32.8





#17

Acenaphthene

Concen: 0.051 ng

RT: 15.01 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

Instrument :

BNA_E

ClientSampleId :

BP-DUP01-20180424

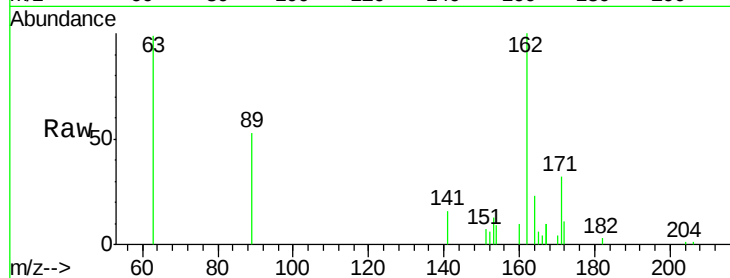
Tgt Ion:154 Resp: 871

Ion Ratio Lower Upper

154 100

153 0.0 89.2 133.8#

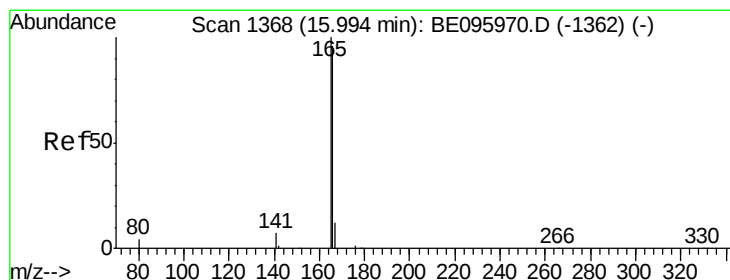
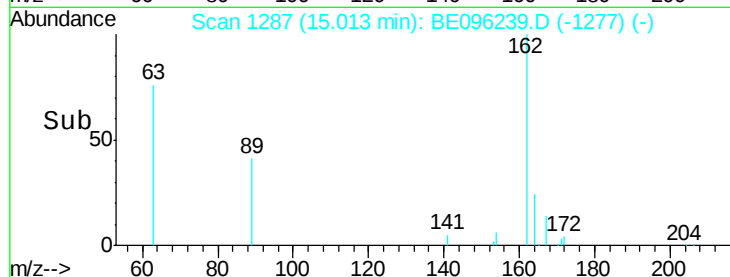
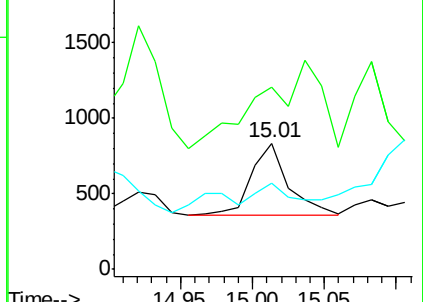
152 25.0 42.0 63.0#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.237 ng

RT: 16.02 min Scan# 1370

Delta R.T. 0.05 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

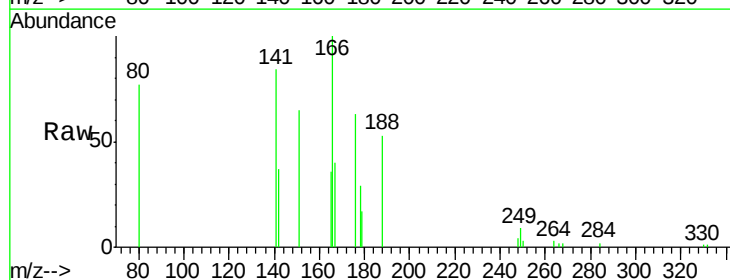
Tgt Ion:166 Resp: 4983

Ion Ratio Lower Upper

166 100

165 20.0 77.8 116.6#

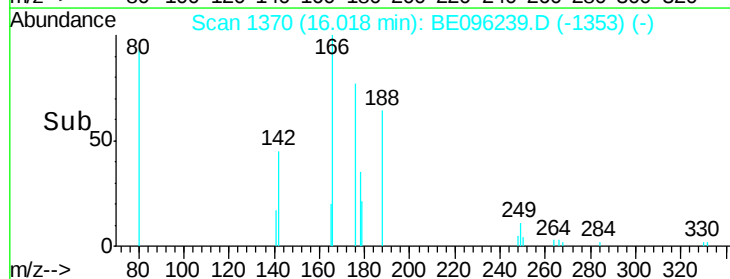
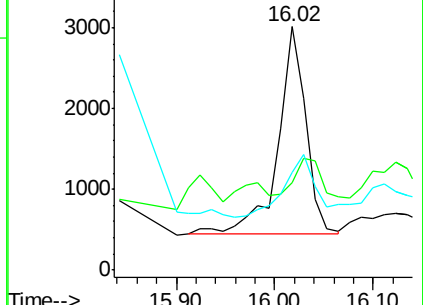
167 37.9 42.4 63.6#

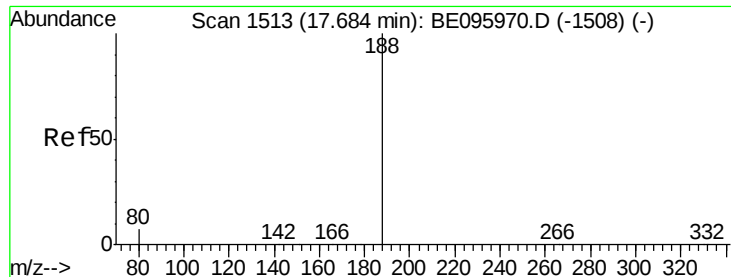


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.67 min Scan# 1512

Delta R.T. 0.02 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

Instrument :

BNA_E

ClientSampleId :

BP-DUP01-20180424

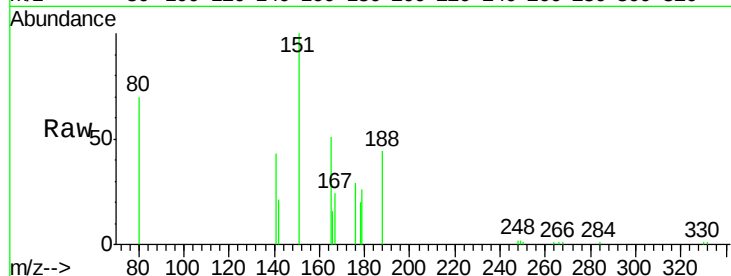
Tgt Ion:188 Resp: 4259

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

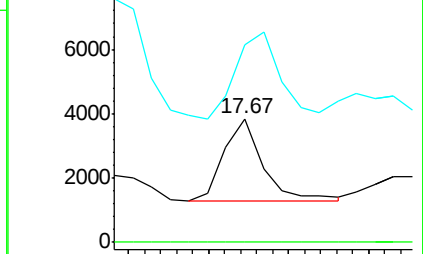
80 160.2 3.6 5.4#



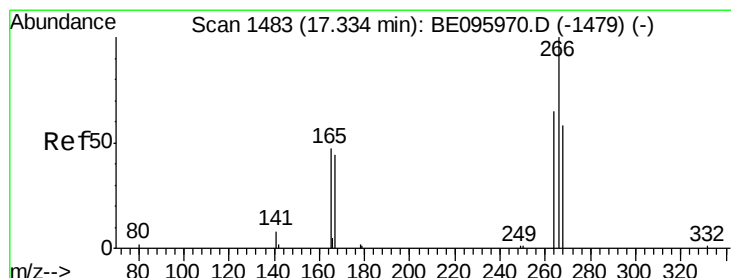
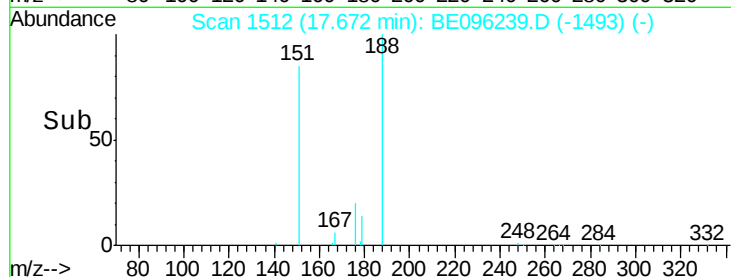
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->



#22

Pentachlorophenol

Concen: 0.147 ng

RT: 17.37 min Scan# 1486

Delta R.T. 0.06 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

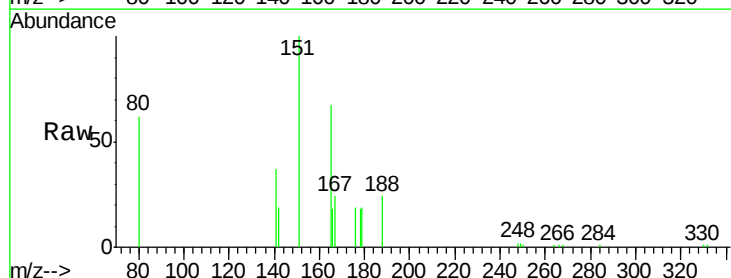
Tgt Ion:266 Resp: 13

Ion Ratio Lower Upper

266 100

264 108.6 72.5 108.7

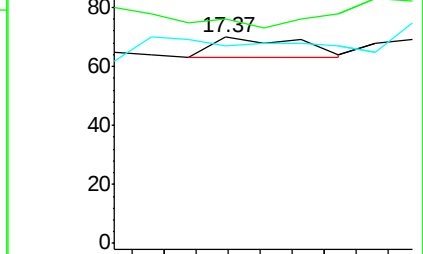
268 95.7 73.8 110.6



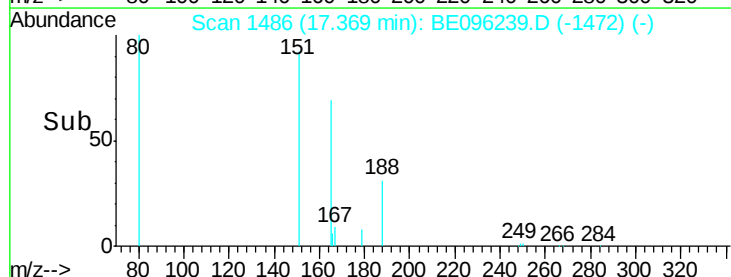
Abundance Ion 266.00 (265.70 to 266.70): E

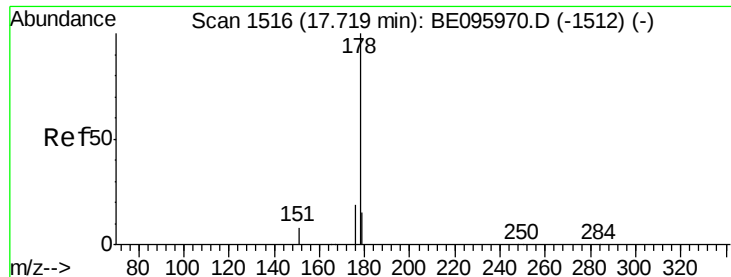
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.299 ng

RT: 17.71 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

Instrument :

BNA_E

ClientSampleId :

BP-DUP01-20180424

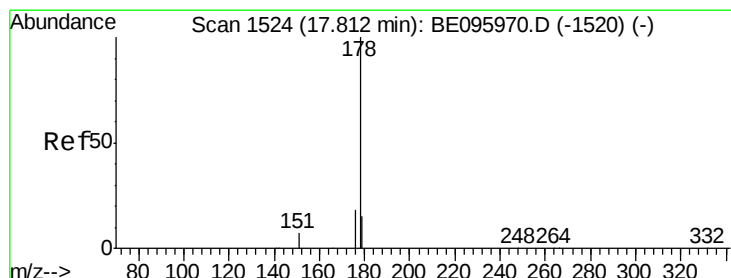
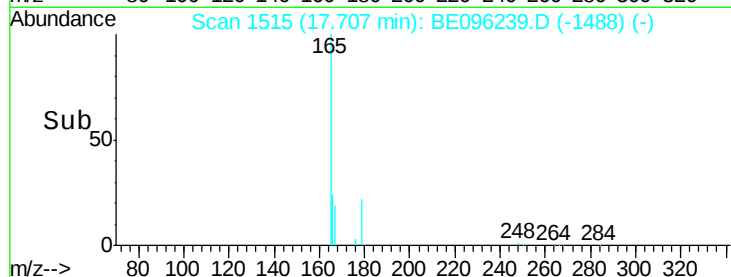
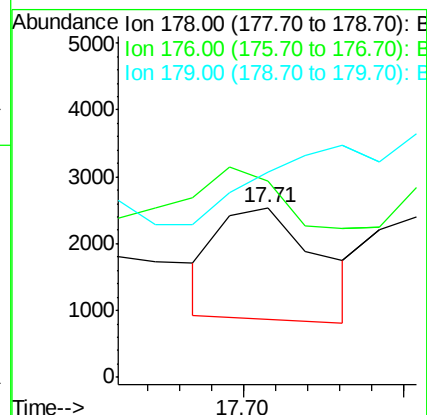
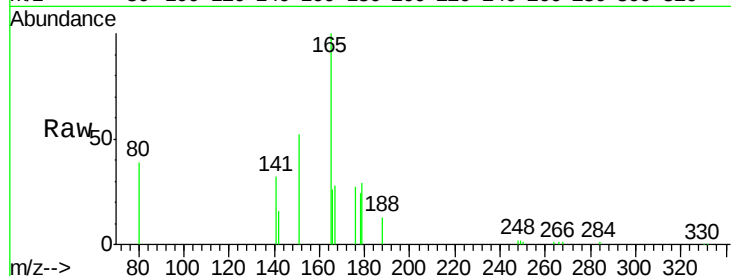
Tgt Ion:178 Resp: 3576

Ion Ratio Lower Upper

178 100

176 0.0 15.1 22.7#

179 0.0 11.8 17.6#



#24

Anthracene

Concen: 0.713 ng

RT: 17.79 min Scan# 1522

Delta R.T. 0.01 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

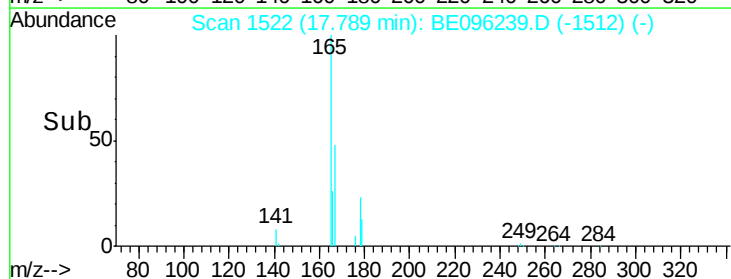
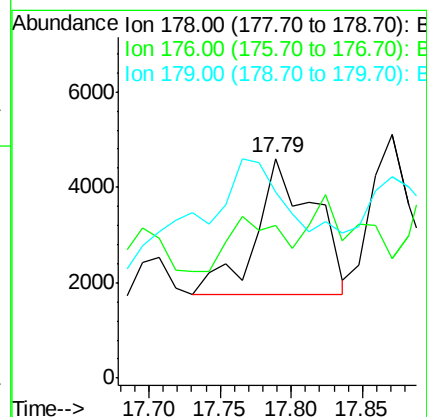
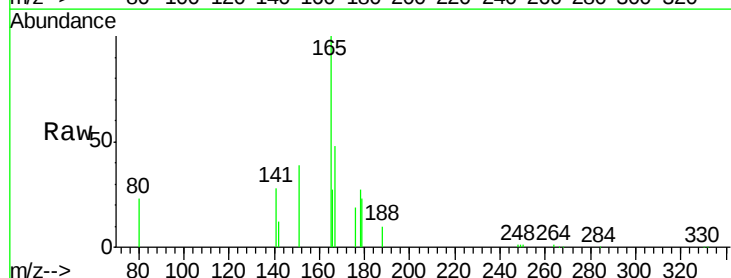
Tgt Ion:178 Resp: 8155

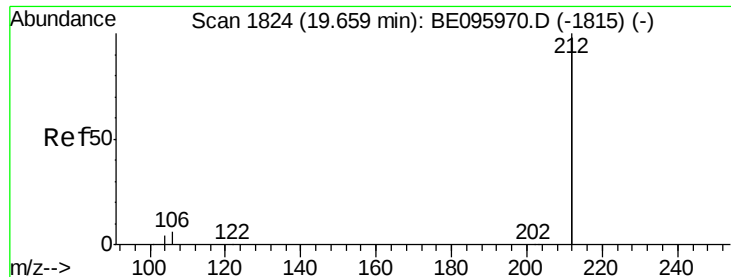
Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

179 0.0 13.0 19.6#

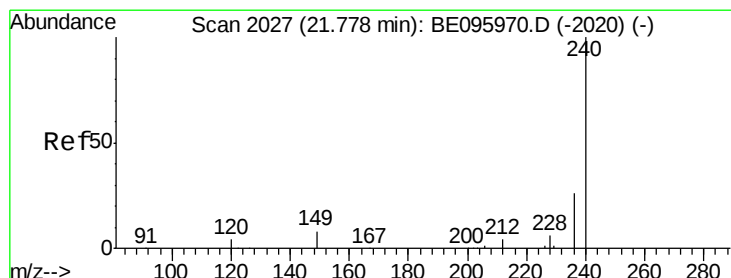
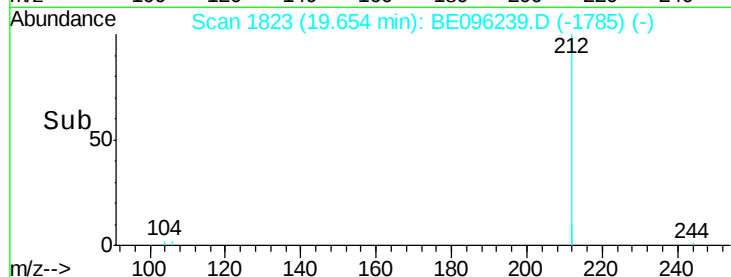
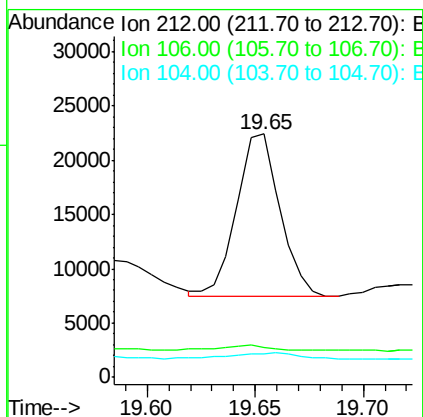
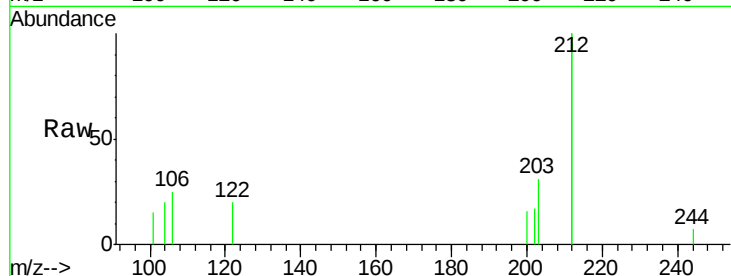




#25
 Fluoranthene-d10
 Concen: 0.364 ng
 RT: 19.65 min Scan# 1823
 Delta R.T. 0.02 min
 Lab File: BE096239.D
 Acq: 1 May 2018 1:33

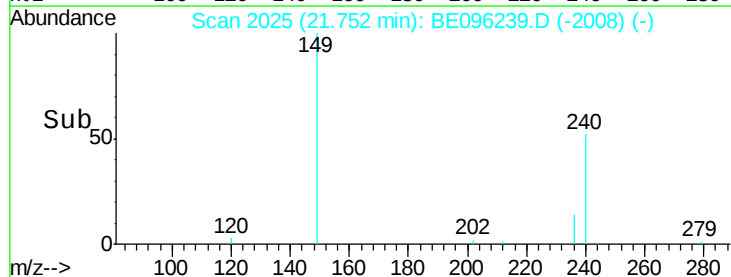
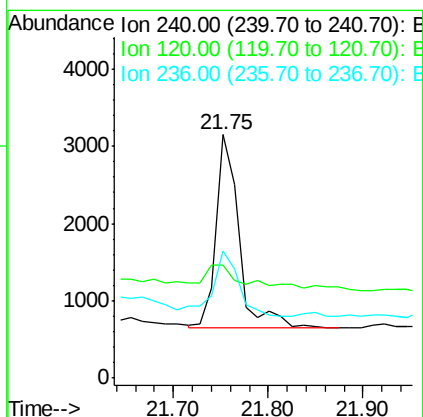
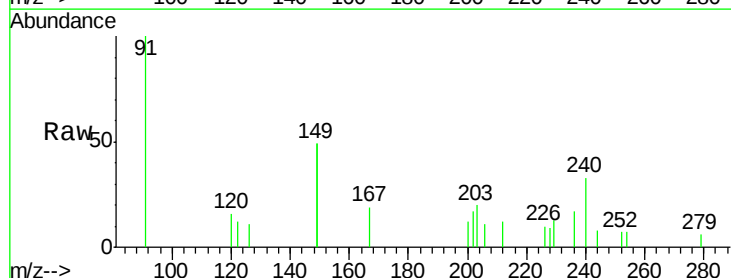
Instrument :
 BNA_E
 ClientSampleId :
 BP-DUP01-20180424

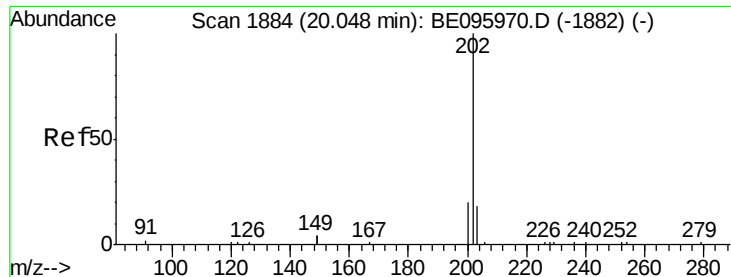
Tgt Ion: 212 Resp: 21046
 Ion Ratio Lower Upper
 212 100
 106 3.8 2.8 4.2
 104 6.6 1.6 2.4#



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.75 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BE096239.D
 Acq: 1 May 2018 1:33

Tgt Ion: 240 Resp: 4185
 Ion Ratio Lower Upper
 240 100
 120 46.6 5.5 8.3#
 236 52.0 20.7 31.1#





#28

Pyrene

Concen: 0.133 ng

RT: 20.05 min Scan# 1884

Delta R.T. 0.05 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

Instrument :

BNA_E

ClientSampleId :

BP-DUP01-20180424

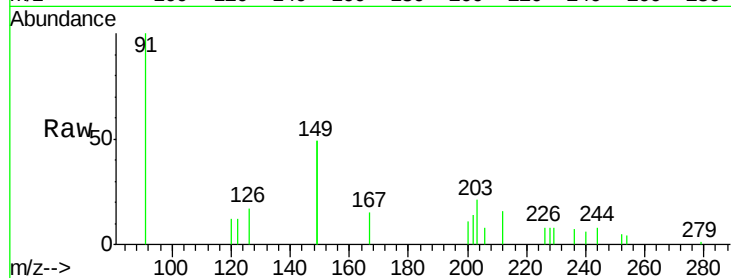
Tgt Ion: 202 Resp: 1095

Ion Ratio Lower Upper

202 100

200 0.0 16.6 25.0#

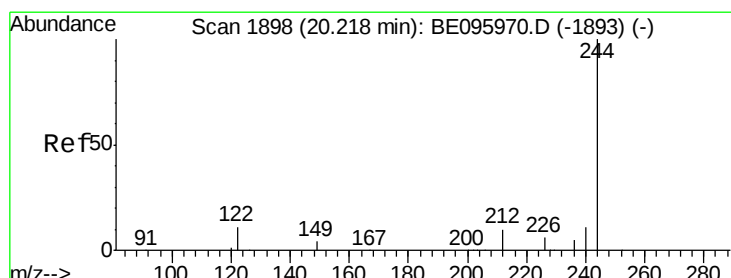
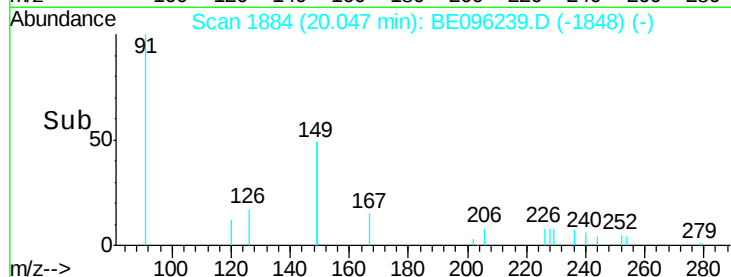
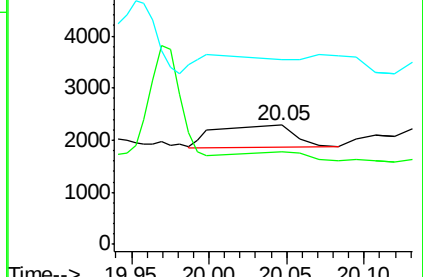
203 0.0 13.8 20.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.439 ng

RT: 20.20 min Scan# 1897

Delta R.T. 0.01 min

Lab File: BE096239.D

Acq: 1 May 2018 1:33

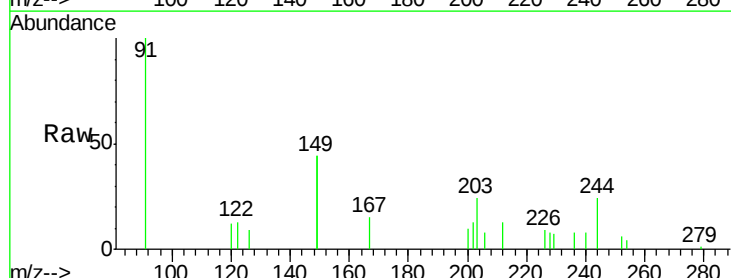
Tgt Ion: 244 Resp: 4061

Ion Ratio Lower Upper

244 100

212 56.2 25.4 38.0#

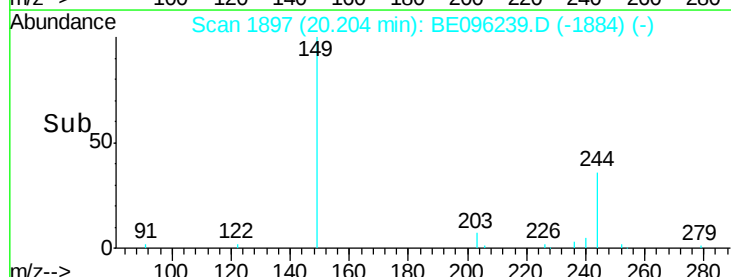
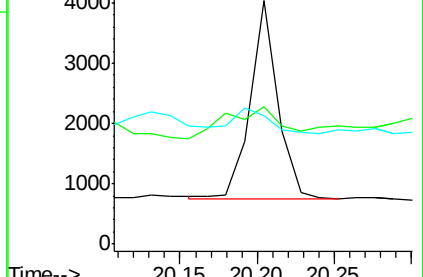
122 52.6 8.1 12.1#

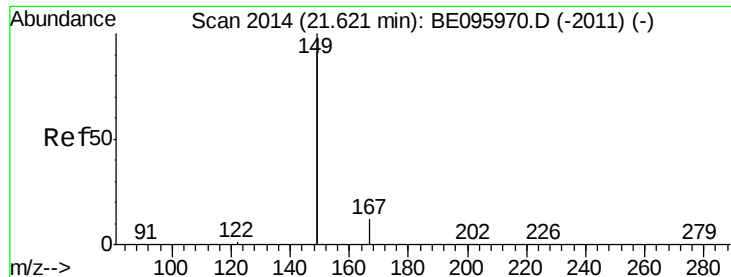


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

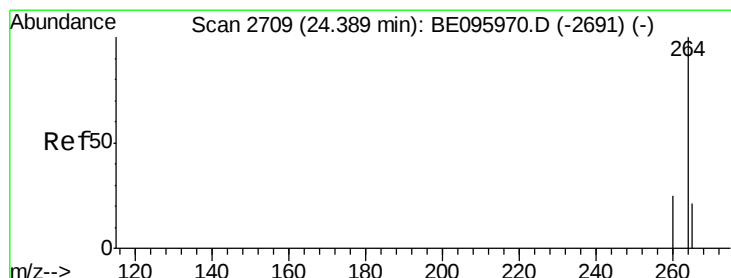
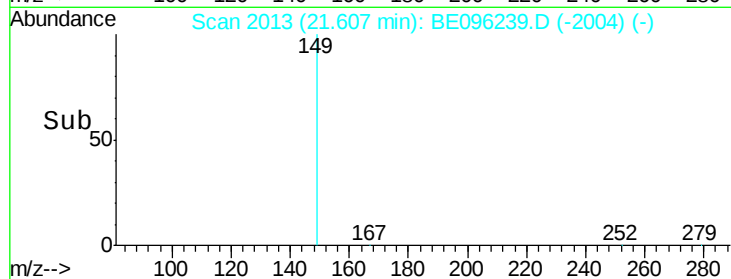
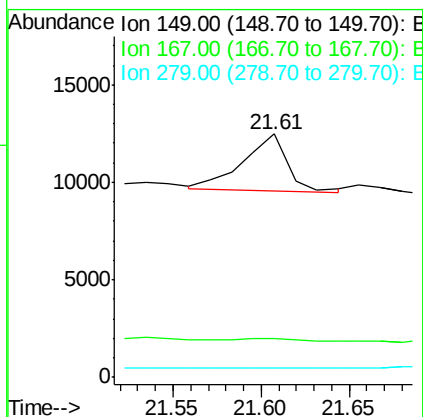
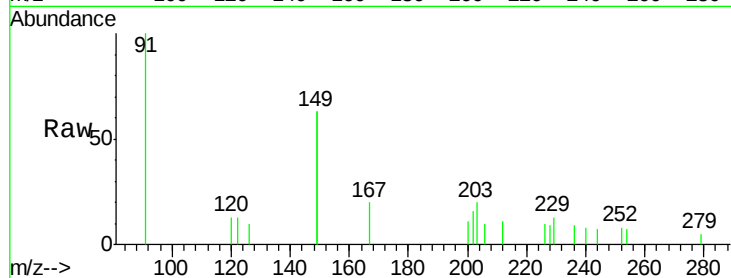




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.146 ng
 RT: 21.61 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: BE096239.D
 Acq: 1 May 2018 1:33

Instrument :
 BNA_E
 ClientSampleId :
 BP-DUP01-20180424

Tgt Ion:149 Resp: 5074
 Ion Ratio Lower Upper
 149 100
 167 9.1 5.4 8.0#
 279 1.8 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.37 min Scan# 2703
 Delta R.T. 0.02 min
 Lab File: BE096239.D
 Acq: 1 May 2018 1:33

Tgt Ion:264 Resp: 3824
 Ion Ratio Lower Upper
 264 100
 260 34.9 20.5 30.7#
 265 51.0 22.8 34.2#

