

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE050118\
 Data File : BE096256.D
 Acq On : 1 May 2018 13:50
 Operator : SJ/JU
 Sample : J2464-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP-0446-180418

Quant Time: May 02 02:34:56 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

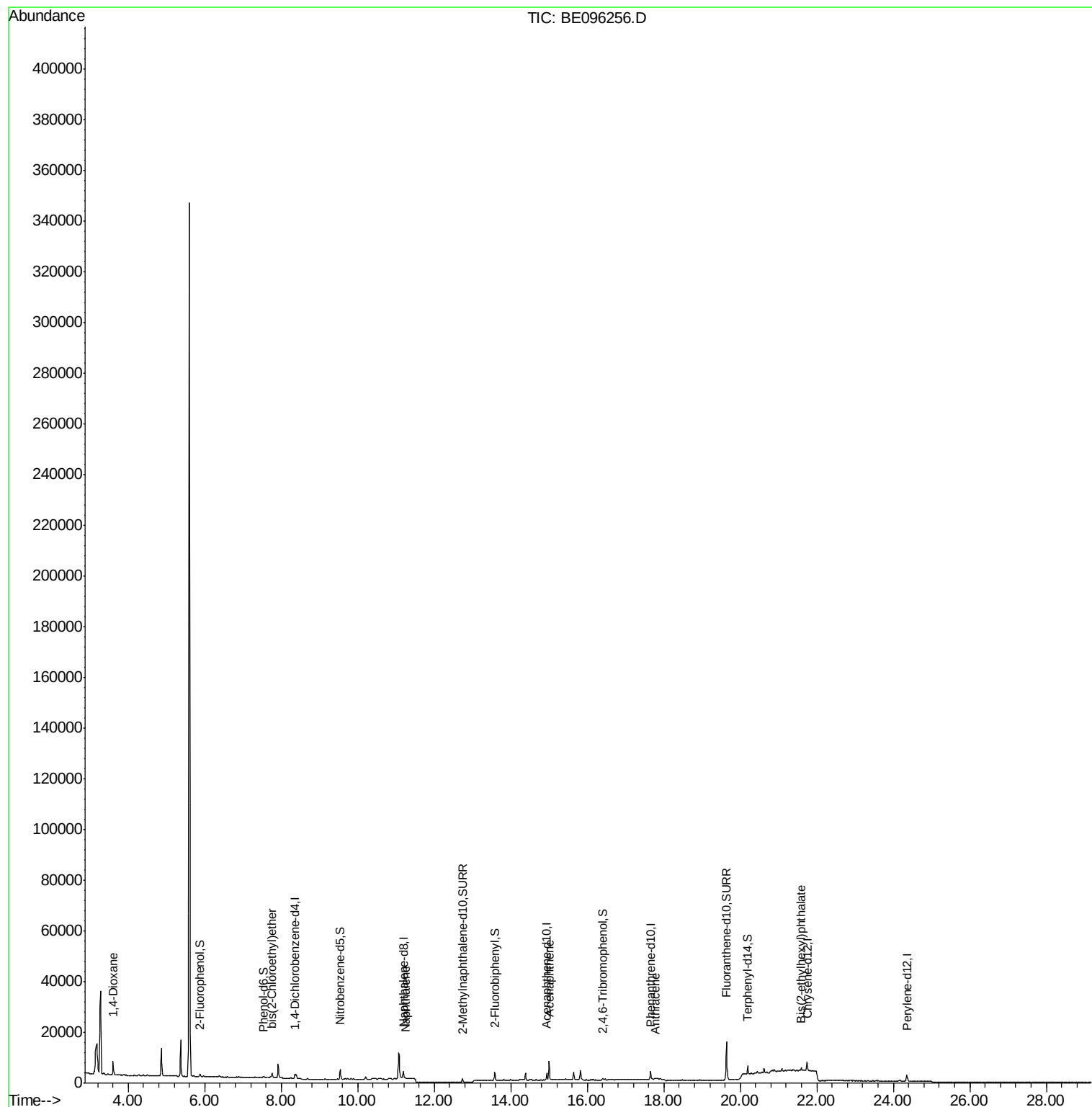
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	824	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	3140	0.40	ng	0.00
13) Acenaphthene-d10	14.94	164	1702	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	3902	0.40	ng	0.00
27) Chrysene-d12	21.75	240	3749	0.40	ng	0.01
34) Perylene-d12	24.35	264	3512	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.87	112	486	0.19	ng	0.01
5) Phenol-d6	7.52	99	401	0.11	ng	0.01
8) Nitrobenzene-d5	9.54	82	1441	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.73	152	1825	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	313	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	2798	0.38	ng	0.00
25) Fluoranthene-d10	19.64	212	18460	0.35	ng	0.00
29) Terphenyl-d14	20.19	244	2969	0.36	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.60	88	3982	3.128	ng	91
6) bis(2-Chloroethyl)ether	7.76	93	556	0.180	ng	86
9) Naphthalene	11.24	128	1124	0.034	ng	# 80
17) Acenaphthene	15.00	154	3562	0.652	ng	90
24) Anthracene	17.78	178	413	0.039	ng	# 71
32) Bis(2-ethylhexyl)phthalate	21.60	149	1378	0.044	ng	# 95

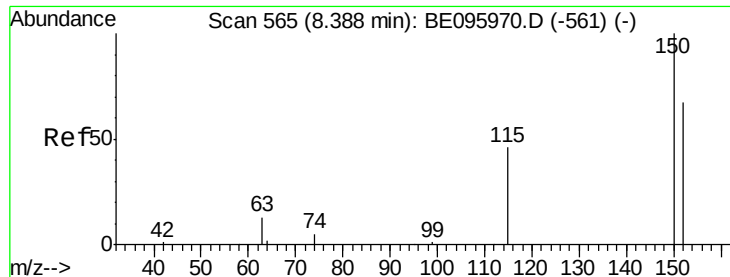
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE096256.D

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Instrument :

BNA_E

ClientSampleId :

DUP-0446-180418

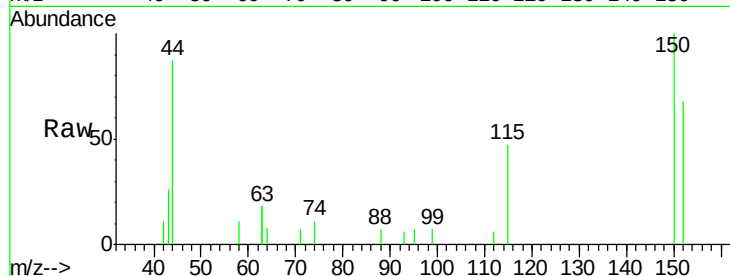
Tgt Ion:152 Resp: 824

Ion Ratio Lower Upper

152 100

150 146.5 117.2 175.8

115 68.2 57.0 85.6

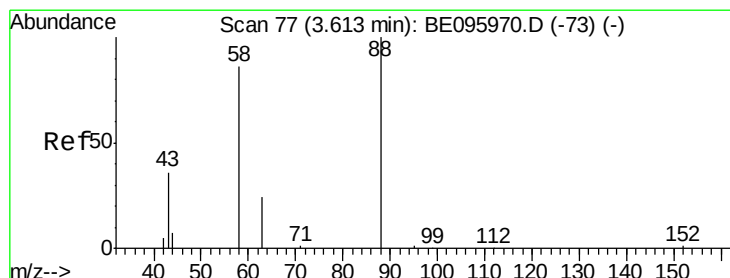
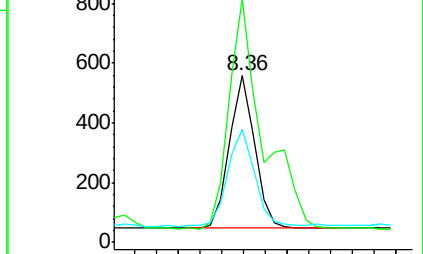
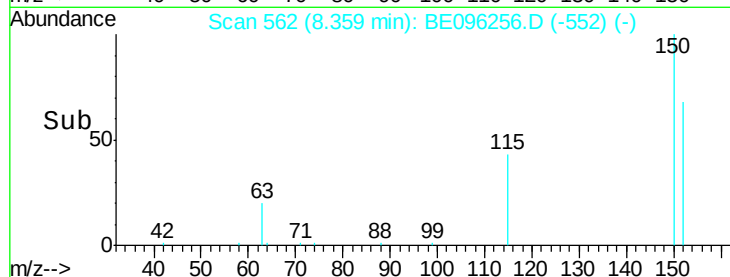


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#2

1,4-Dioxane

Concen: 3.128 ng

RT: 3.60 min Scan# 76

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

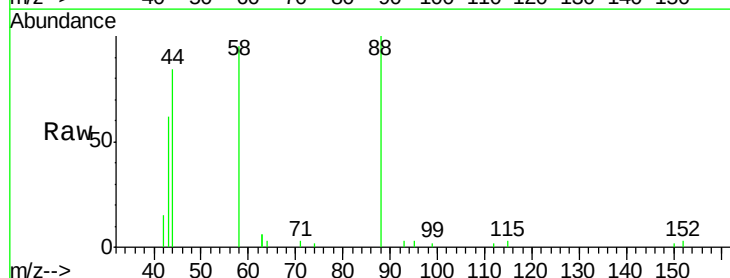
Tgt Ion: 88 Resp: 3982

Ion Ratio Lower Upper

88 100

58 84.4 63.2 94.8

43 42.5 41.2 61.8

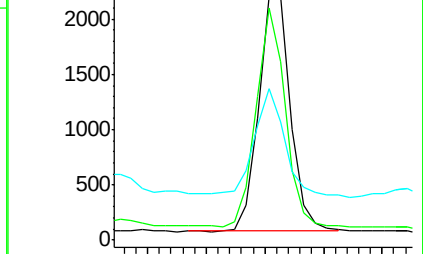
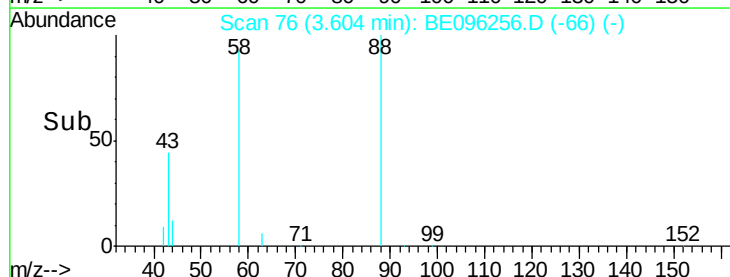


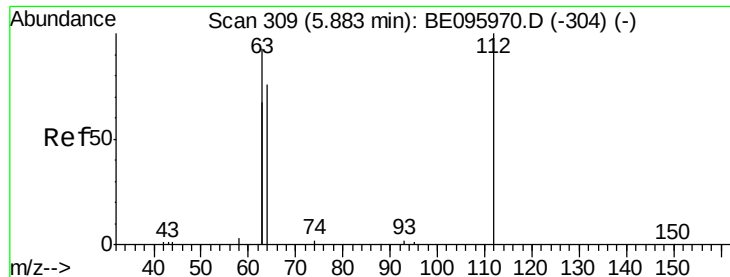
Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

Time-->





#4

2-Fluorophenol

Concen: 0.191 ng

RT: 5.87 min Scan# 308

Delta R.T. 0.01 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

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ClientSampleId :

DUP-0446-180418

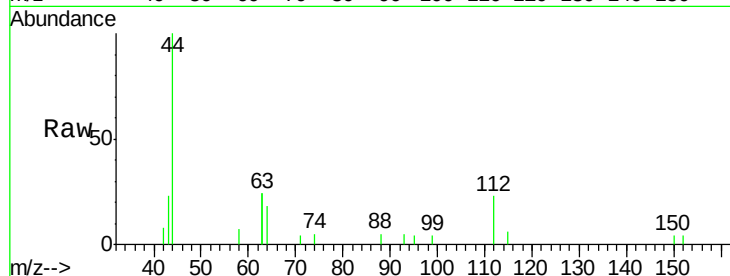
Tgt Ion: 112 Resp: 486

Ion Ratio Lower Upper

112 100

64 70.4 60.1 90.1

63 153.1 116.8 175.2

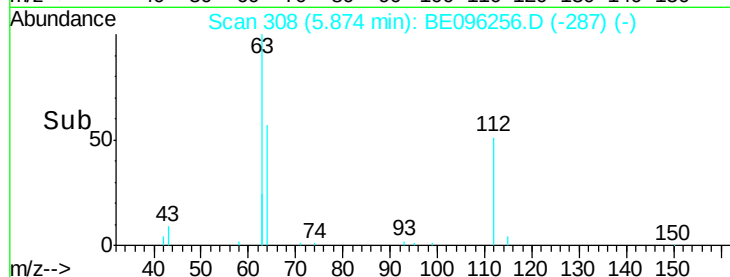


Abundance Ion 112.00 (111.70 to 112.70): BE0

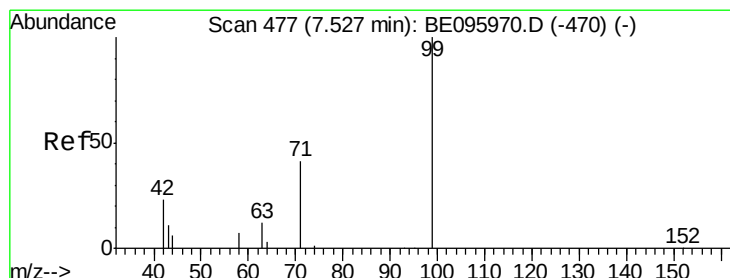
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->



Time-->



#5

Phenol-d6

Concen: 0.114 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

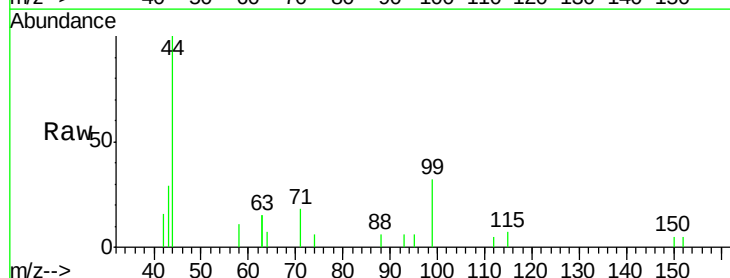
Tgt Ion: 99 Resp: 401

Ion Ratio Lower Upper

99 100

42 31.4 20.2 30.2#

71 57.4 28.4 42.6#

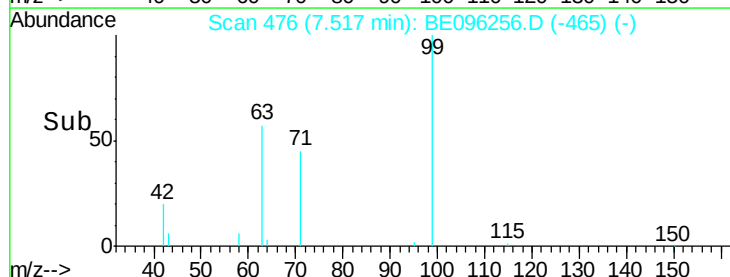


Abundance Ion 99.00 (98.70 to 99.70): BE0

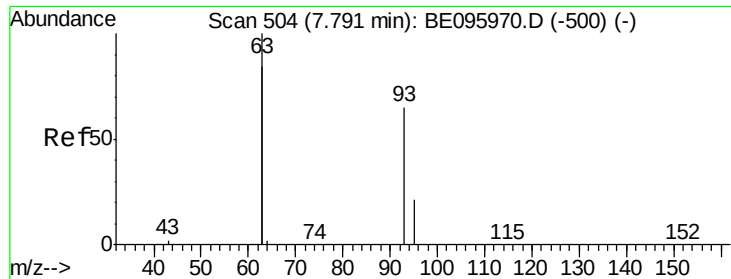
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.180 ng

RT: 7.76 min Scan# 501

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampleId :

DUP-0446-180418

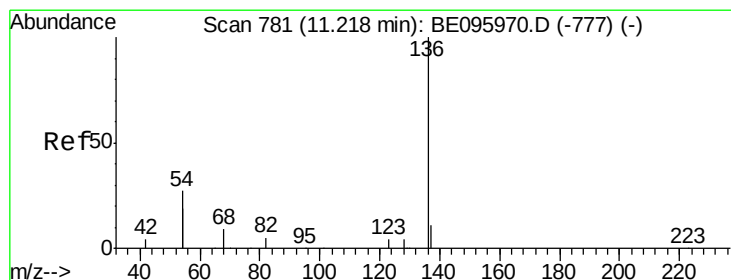
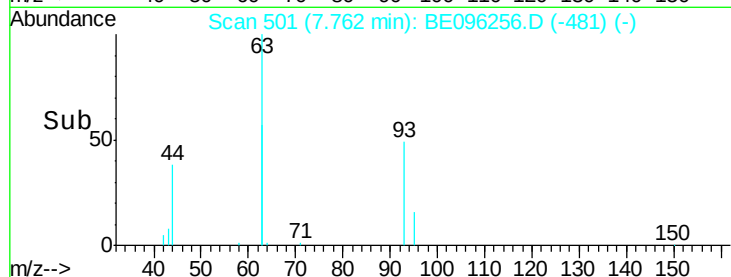
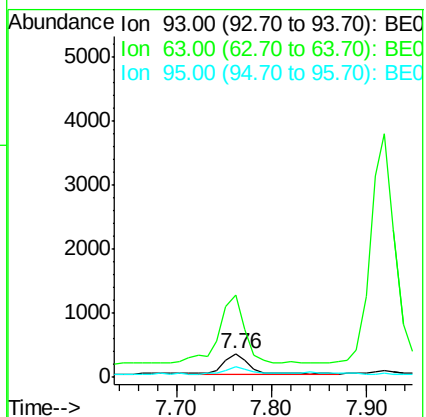
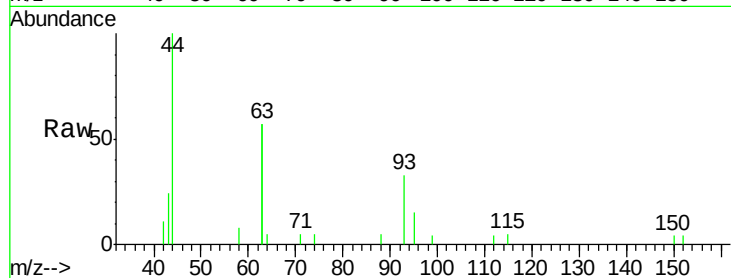
Tgt Ion: 93 Resp: 556

Ion Ratio Lower Upper

93 100

63 377.3 275.3 412.9

95 33.5 25.2 37.8



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Tgt Ion: 136 Resp: 3140

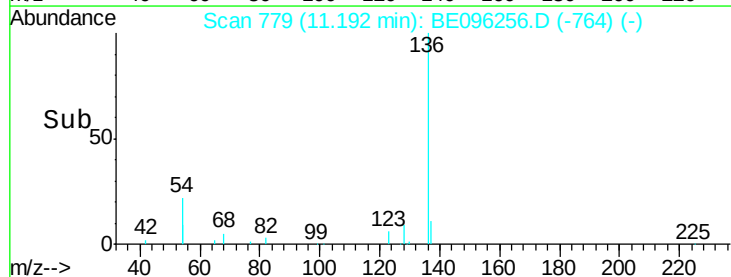
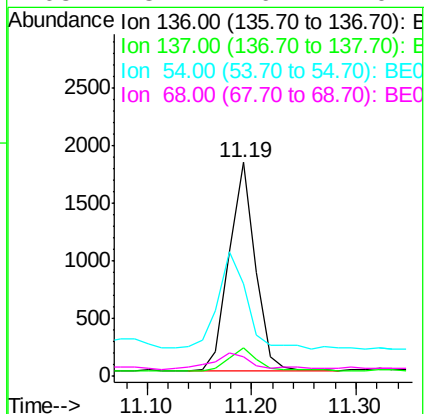
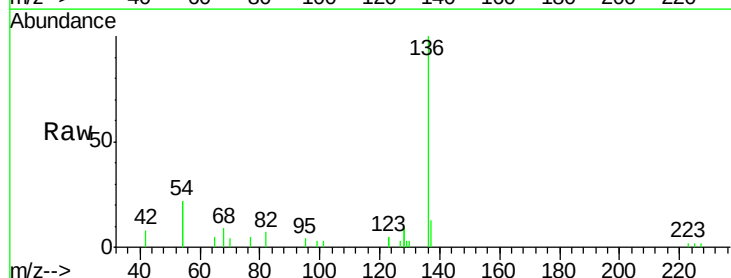
Ion Ratio Lower Upper

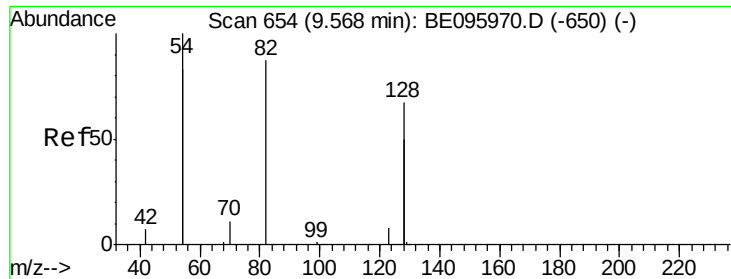
136 100

137 13.1 9.5 14.3

54 43.2 29.1 43.7

68 8.7 6.2 9.2





#8

Nitrobenzene-d5

Concen: 0.391 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampleId :

DUP-0446-180418

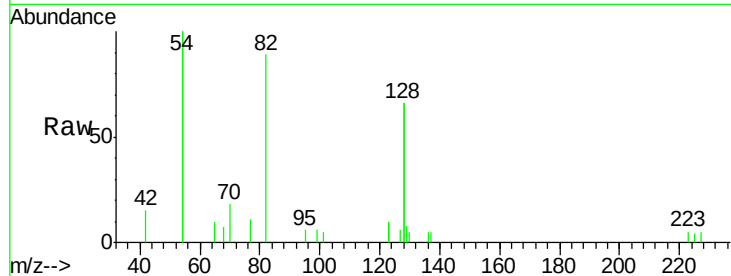
Tgt Ion: 82 Resp: 1441

Ion Ratio Lower Upper

82 100

128 147.3 150.0 225.0#

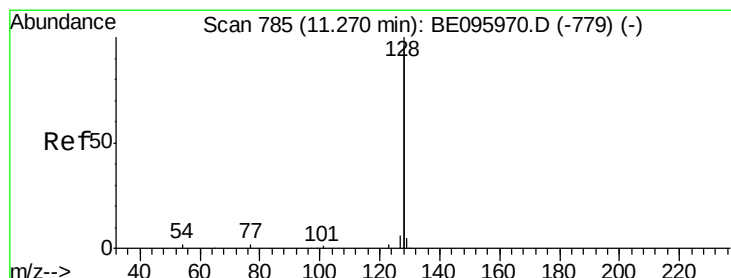
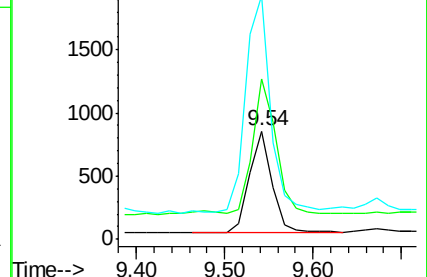
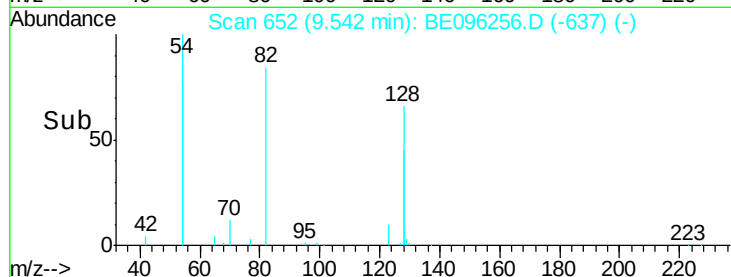
54 224.5 154.2 231.4



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



#9

Naphthalene

Concen: 0.034 ng

RT: 11.24 min Scan# 783

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

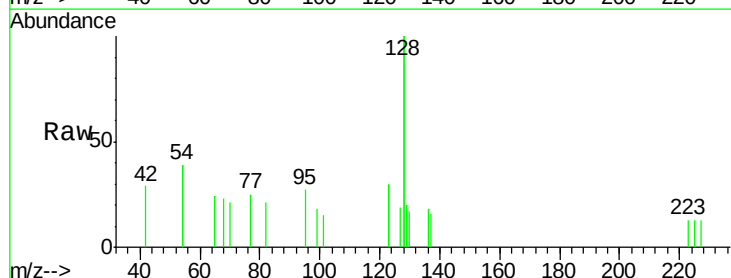
Tgt Ion: 128 Resp: 1124

Ion Ratio Lower Upper

128 100

129 10.1 2.6 3.8#

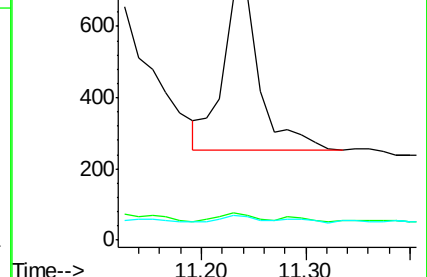
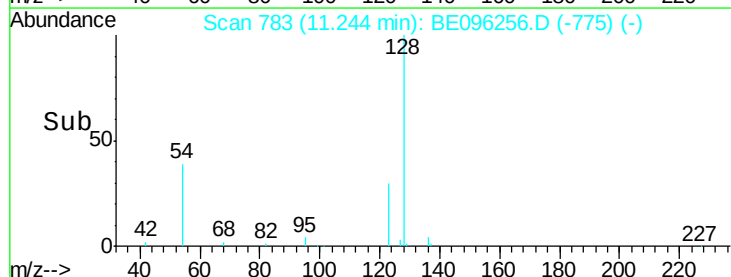
127 9.6 2.8 4.2#

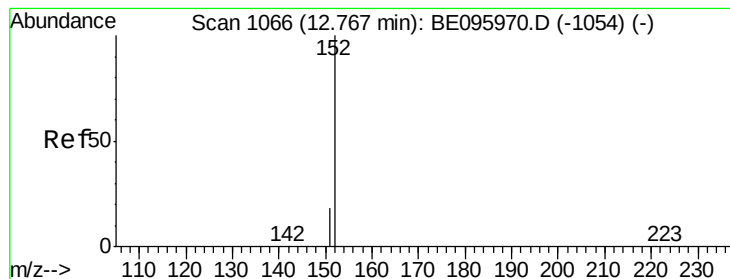


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.367 ng

RT: 12.73 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampleId :

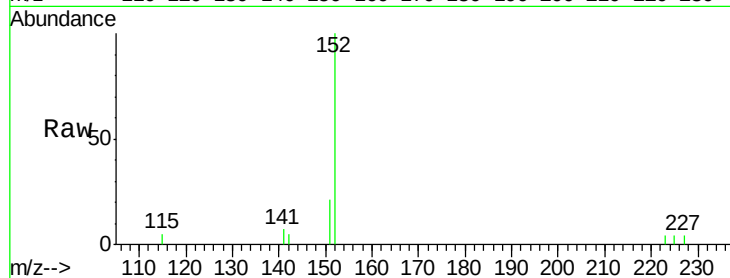
DUP-0446-180418

Tgt Ion:152 Resp: 1825

Ion Ratio Lower Upper

152 100

151 20.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.73

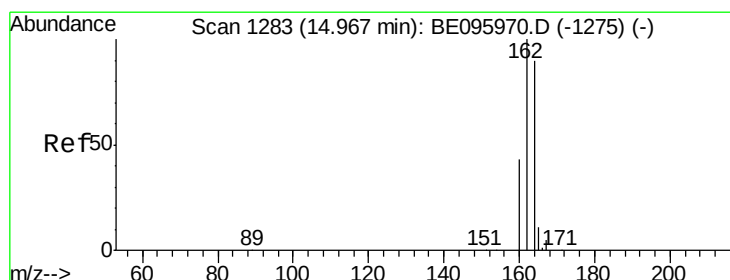
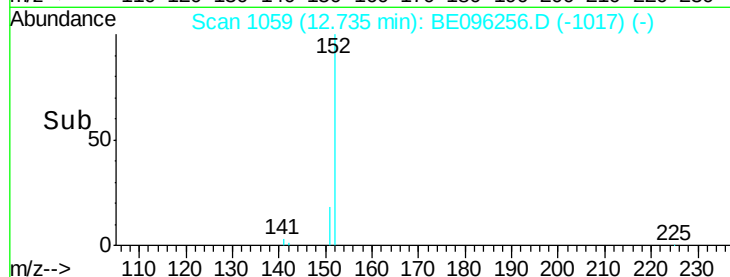
1000

500

0

Time-->

12.70 12.80



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.94 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

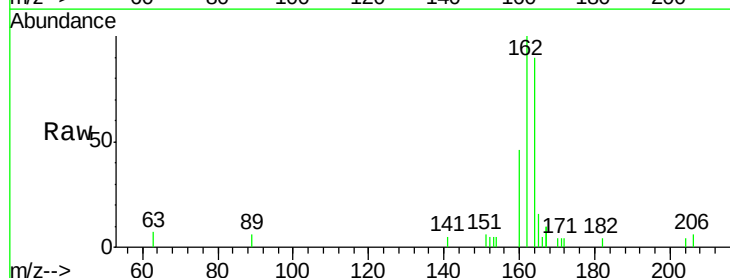
Tgt Ion:164 Resp: 1702

Ion Ratio Lower Upper

164 100

162 111.2 83.1 124.7

160 50.6 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

14.94

1500

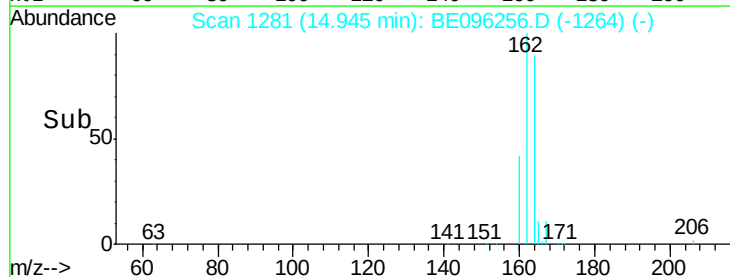
1000

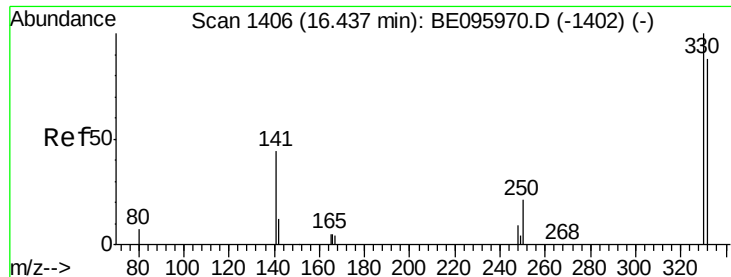
500

0

Time-->

14.90 15.00





#14

2,4,6-Tribromophenol

Concen: 0.381 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampleId :

DUP-0446-180418

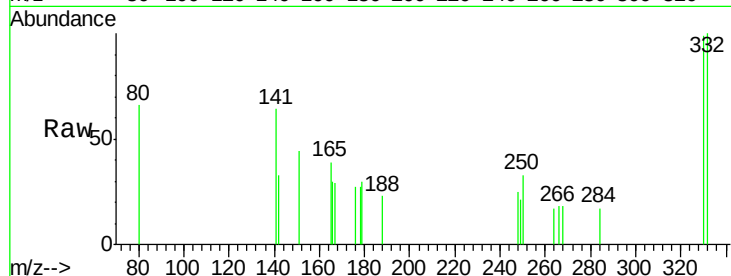
Tgt Ion:330 Resp: 313

Ion Ratio Lower Upper

330 100

332 99.0 152.7 229.1#

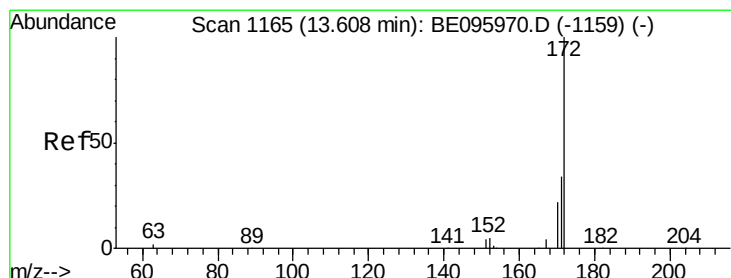
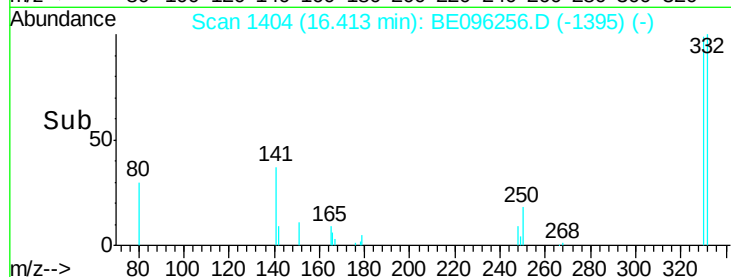
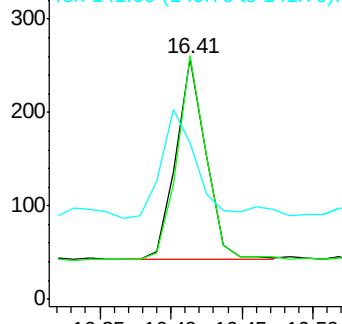
141 62.3 33.7 50.5#



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: 0.384 ng

RT: 13.57 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

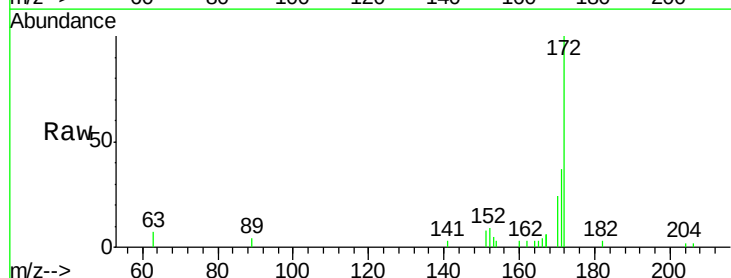
Tgt Ion:172 Resp: 2798

Ion Ratio Lower Upper

172 100

171 36.9 29.9 44.9

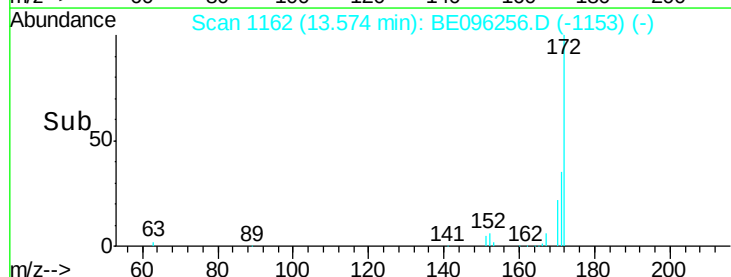
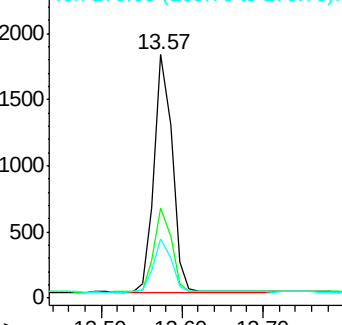
170 24.5 21.8 32.8

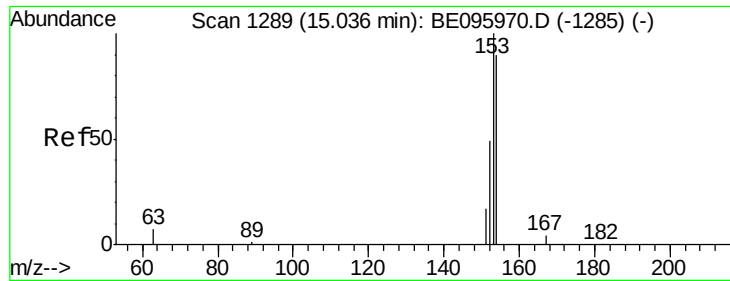


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#17

Acenaphthene

Concen: 0.652 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampleId :

DUP-0446-180418

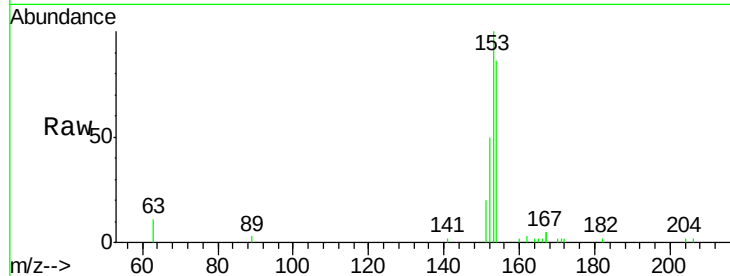
Tgt Ion:154 Resp: 3562

Ion Ratio Lower Upper

154 100

153 119.5 89.2 133.8

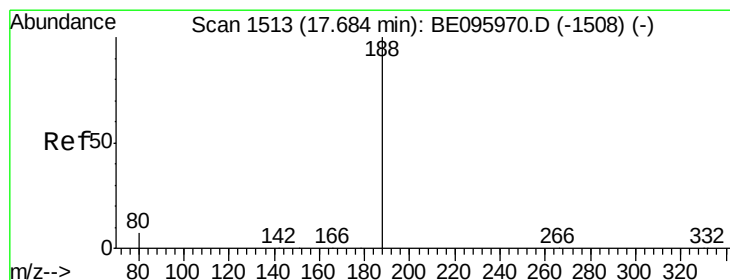
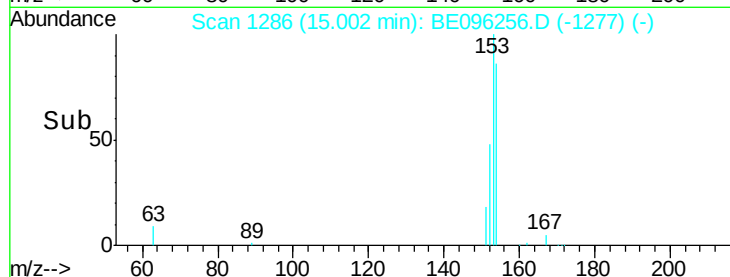
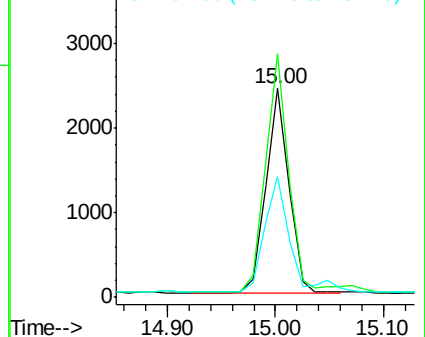
152 63.0 42.0 63.0



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

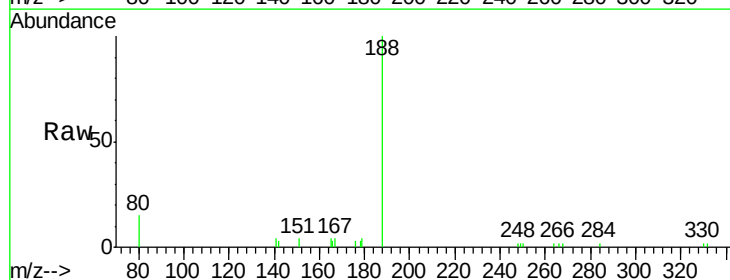
Tgt Ion:188 Resp: 3902

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

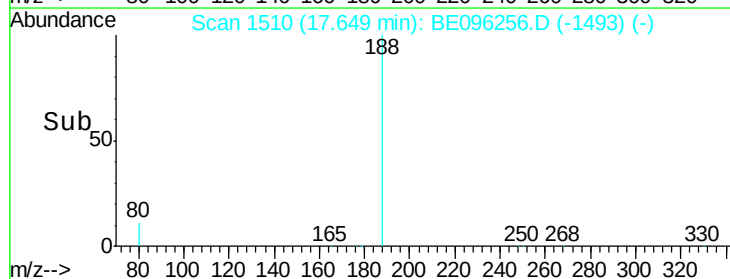
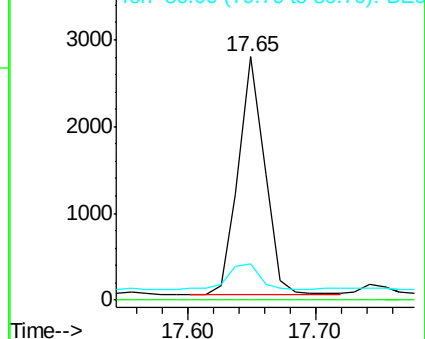
80 14.7 3.6 5.4#

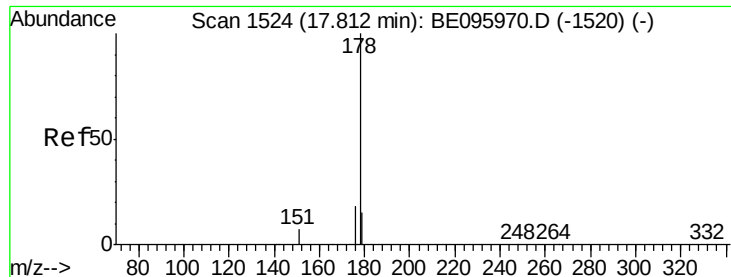


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#24

Anthracene

Concen: 0.039 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampleId :

DUP-0446-180418

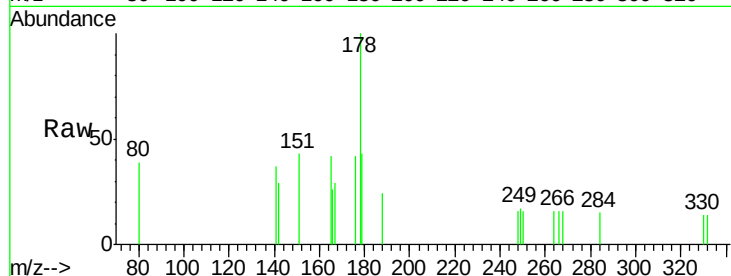
Tgt Ion:178 Resp: 413

Ion Ratio Lower Upper

178 100

176 23.5 12.8 19.2#

179 33.7 13.0 19.6#



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

17.78

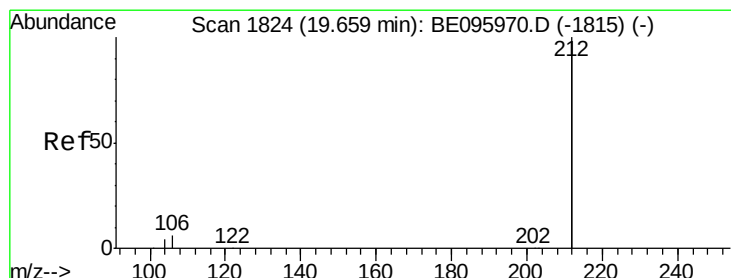
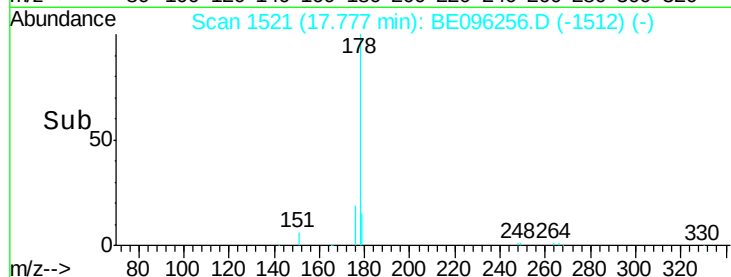
300

200

100

0

Time-->



#25

Fluoranthene-d10

Concen: 0.348 ng

RT: 19.64 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

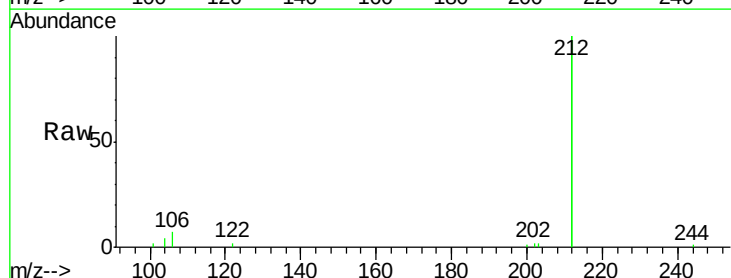
Tgt Ion:212 Resp: 18460

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

104 1.9 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

19.64

20000

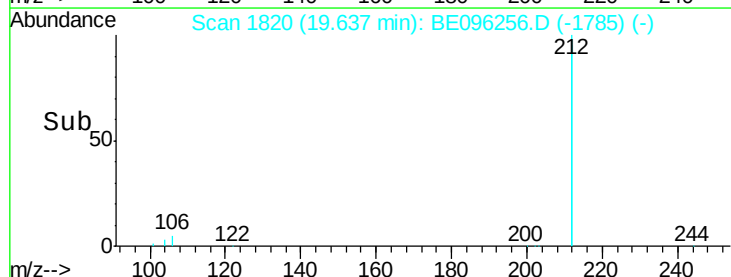
15000

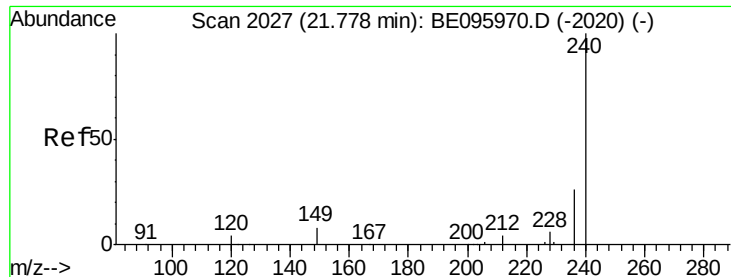
10000

5000

0

Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.75 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampleId :

DUP-0446-180418

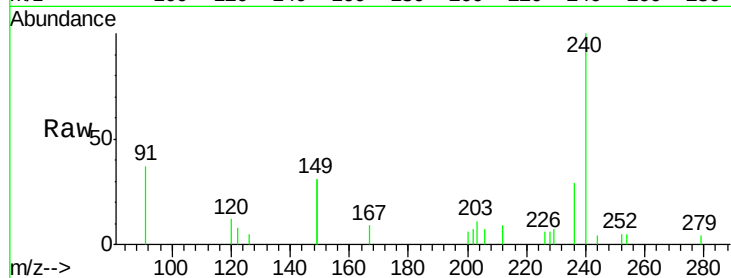
Tgt Ion:240 Resp: 3749

Ion Ratio Lower Upper

240 100

120 11.9 5.5 8.3#

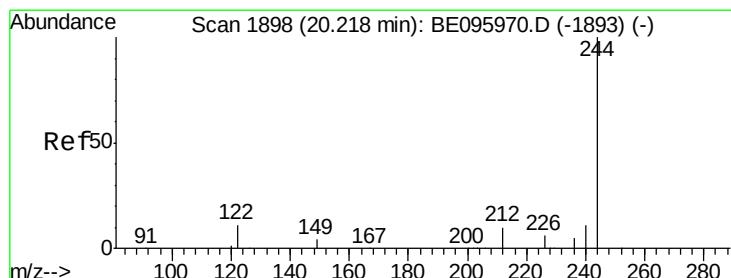
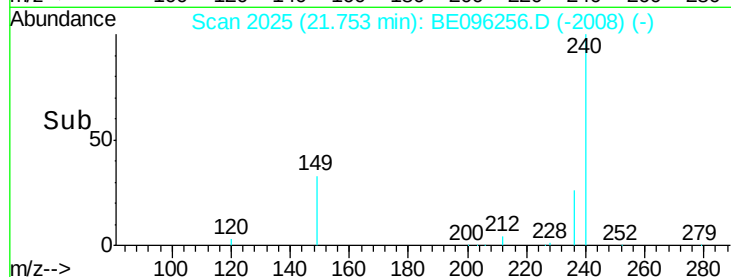
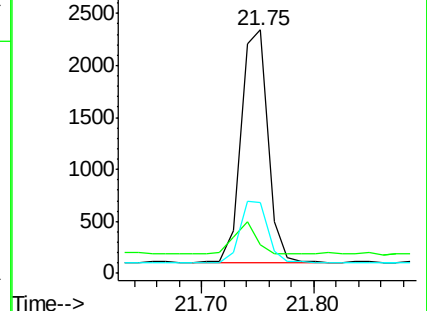
236 29.2 20.7 31.1



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: 0.358 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

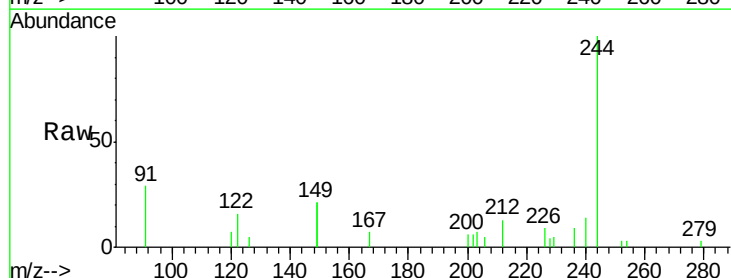
Tgt Ion:244 Resp: 2969

Ion Ratio Lower Upper

244 100

212 13.2 25.4 38.0#

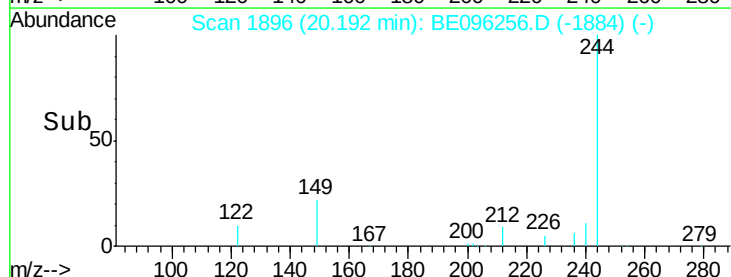
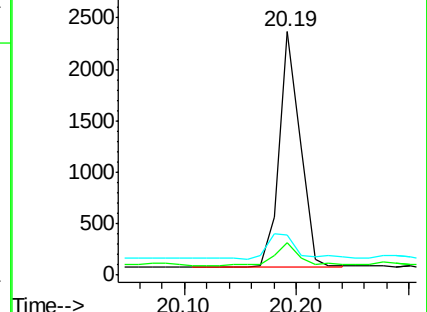
122 16.3 8.1 12.1#

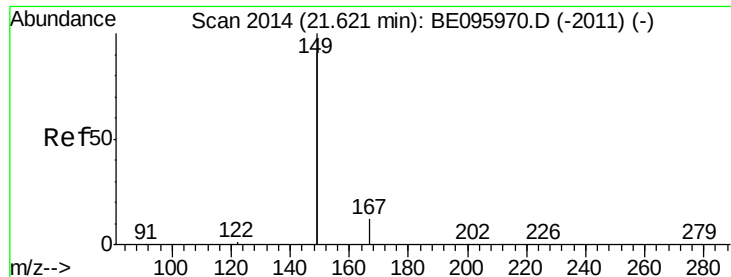


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

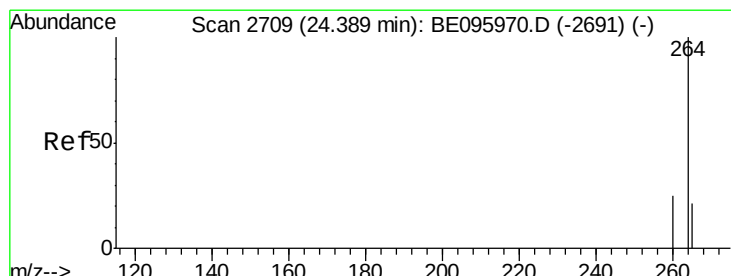
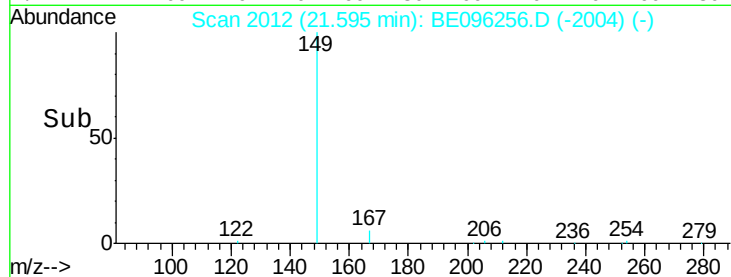
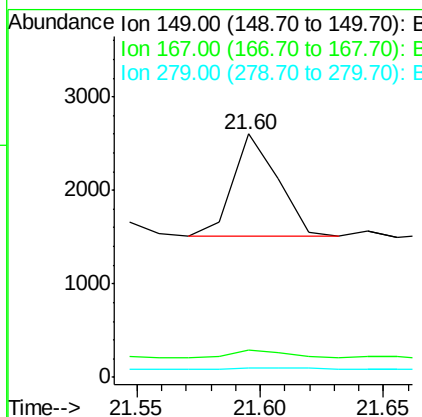
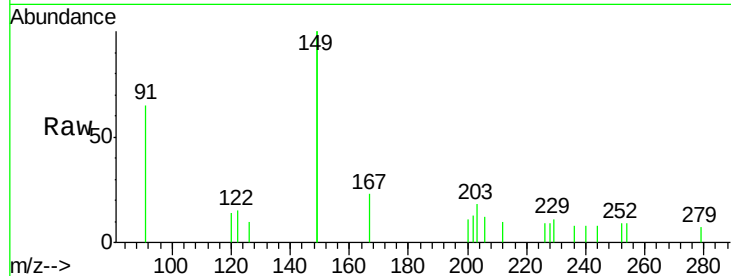




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.044 ng
 RT: 21.60 min Scan# 2012
 Delta R.T. -0.00 min
 Lab File: BE096256.D
 Acq: 1 May 2018 13:50

Instrument :
 BNA_E
 ClientSampleId :
 DUP-0446-180418

Tgt Ion:149 Resp: 1378
 Ion Ratio Lower Upper
 149 100
 167 8.4 5.4 8.0#
 279 3.3 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.35 min Scan# 2698
 Delta R.T. -0.00 min
 Lab File: BE096256.D
 Acq: 1 May 2018 13:50

Tgt Ion:264 Resp: 3512
 Ion Ratio Lower Upper
 264 100
 260 28.4 20.5 30.7
 265 37.8 22.8 34.2#

