

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096915.D
 Acq On : 13 Jul 2018 20:23
 Operator : SJ/JU
 Sample : J3170-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE120D1-071118

Quant Time: Jul 13 23:07:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 17:02:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2121	0.40	ng	0.01
7) Naphthalene-d8	10.15	136	10065	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5525	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	15424	0.40	ng	0.00
27) Chrysene-d12	20.98	240	13340	0.40	ng	0.00
34) Perylene-d12	23.21	264	14160	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1141	0.24	ng	0.00
5) Phenol-d6	6.60	99	971	0.14	ng	0.01
8) Nitrobenzene-d5	8.53	82	3631	0.60	ng	0.01
11) 2-Methylnaphthalene-d10	11.74	152	7022	0.48	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	778	0.57	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	10116	0.50	ng	0.00
25) Fluoranthene-d10	18.81	212	78746	0.58	ng	0.00
29) Terphenyl-d14	19.43	244	16601	0.64	ng	0.00

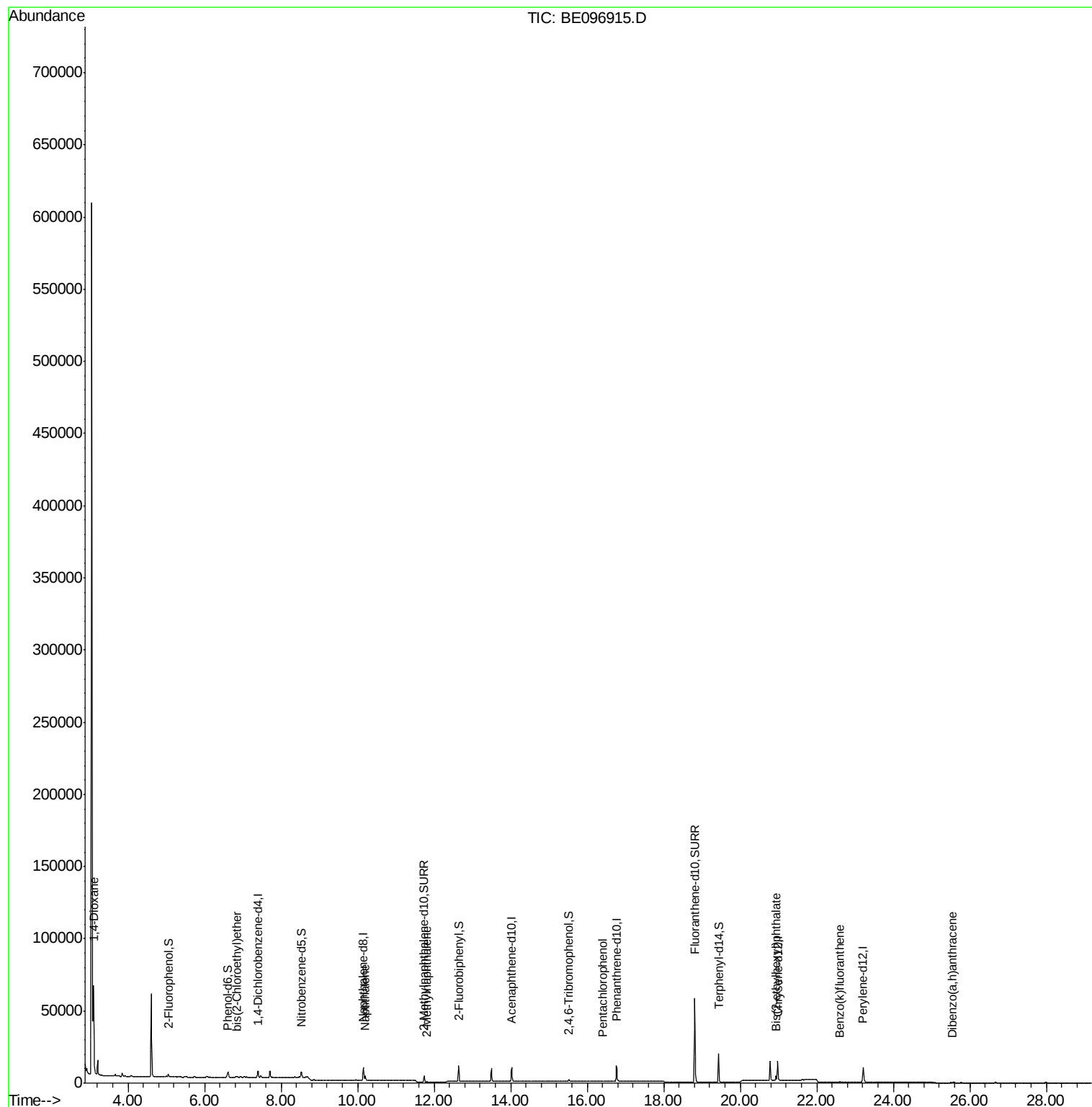
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	26125	8.220	ng	# 89
6) bis(2-Chloroethyl)ether	6.84	93	266	0.034	ng	# 87
9) Naphthalene	10.20	128	5242	0.057	ng	# 97
12) 2-Methylnaphthalene	11.81	142	439	0.029	ng	# 94
22) Pentachlorophenol	16.42	266	4	0.038	ng	# 95
32) Bis(2-ethylhexyl)phthalate	20.93	149	3075	0.116	ng	# 99
36) Benzo(k)fluoranthene	22.59	252	9	0.084	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	3	0.109	ng	# 1

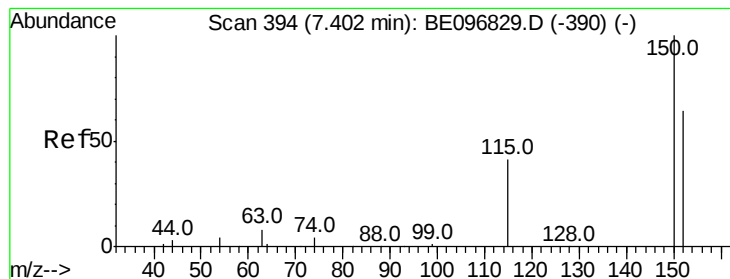
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 13 23:07:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. 0.01 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118

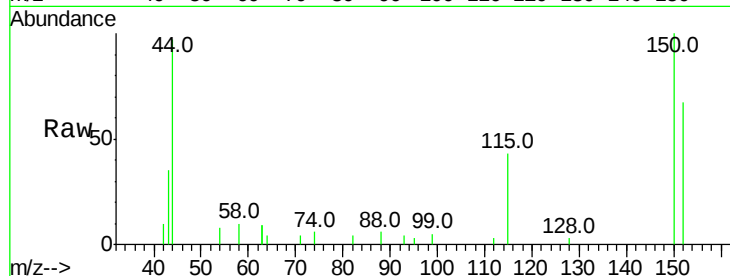
Tot Ion:152 Resp: 2121

Ion Ratio Lower Upper

152 100

150 148.4 117.2 175.8

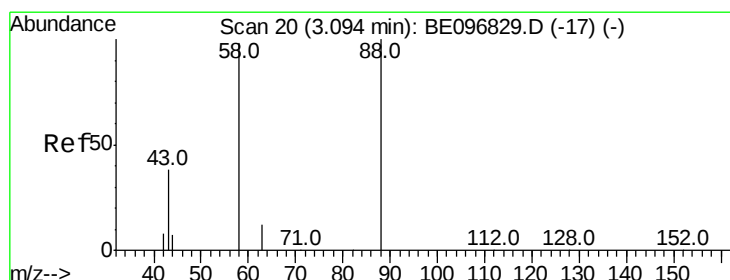
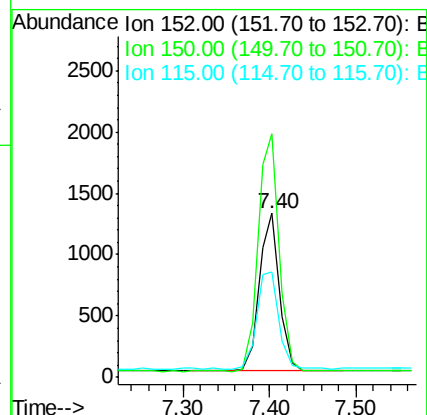
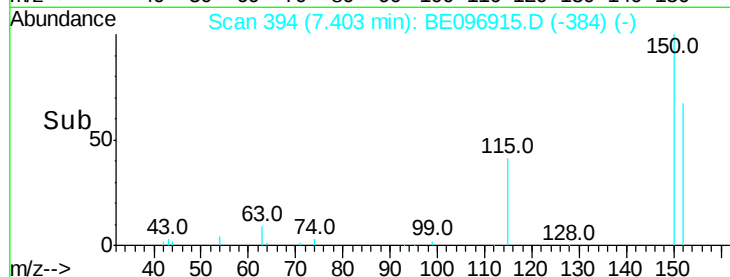
115 64.3 57.0 85.6



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: 8.220 ng

RT: 3.10 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

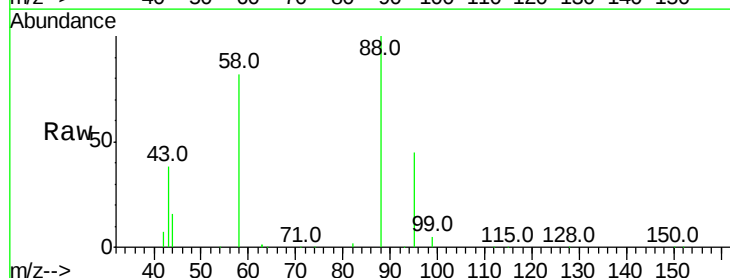
Tgt Ion: 88 Resp: 26125

Ion Ratio Lower Upper

88 100

58 81.8 63.2 94.8

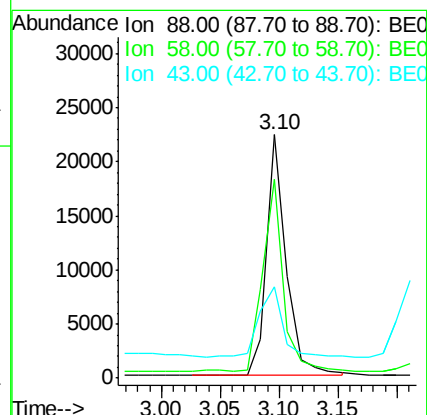
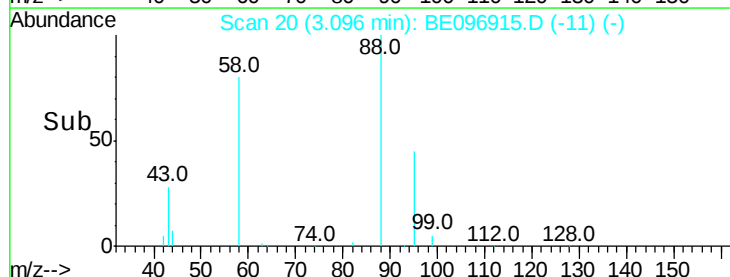
43 35.0 41.2 61.8#

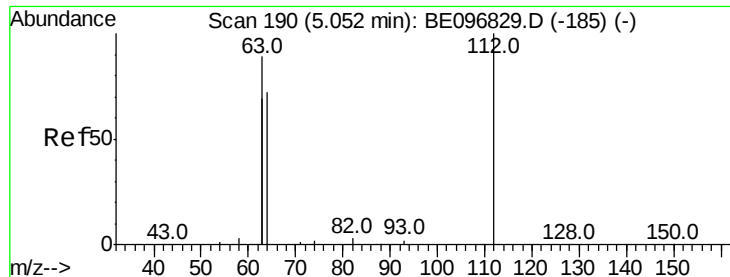


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.241 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118

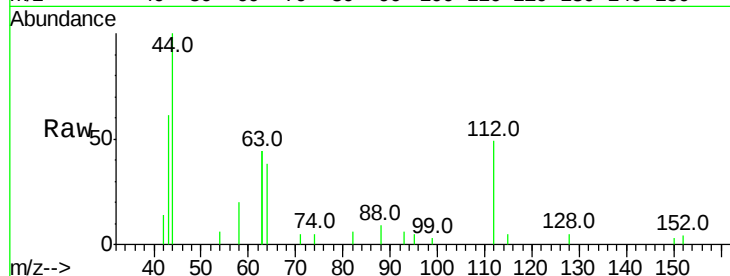
Tot Ion:112 Resp: 1141

Ion Ratio Lower Upper

112 100

64 69.3 60.1 90.1

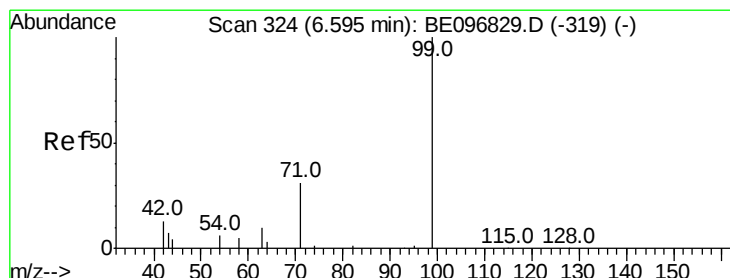
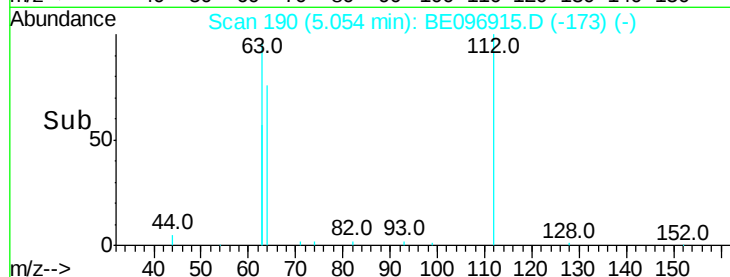
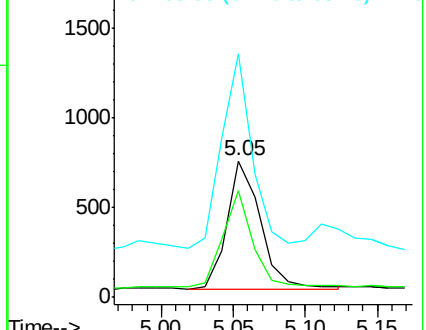
63 139.6 116.8 175.2



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



#5

Phenol-d6

Concen: 0.137 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

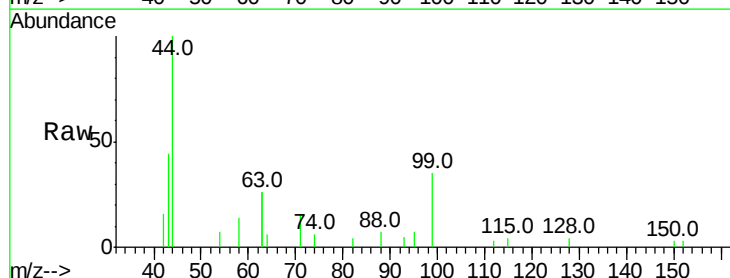
Tgt Ion: 99 Resp: 971

Ion Ratio Lower Upper

99 100

42 35.8 20.2 30.2#

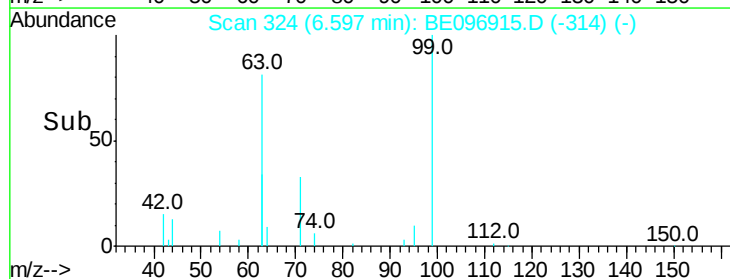
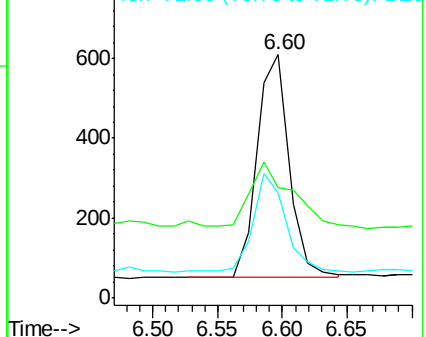
71 46.3 28.4 42.6#

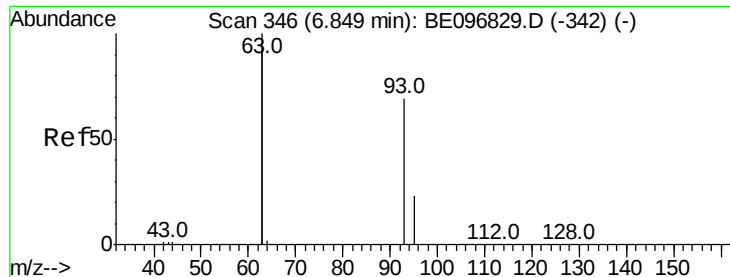


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.034 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

Instrument :

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ClientSampleId :

RE120D1-071118

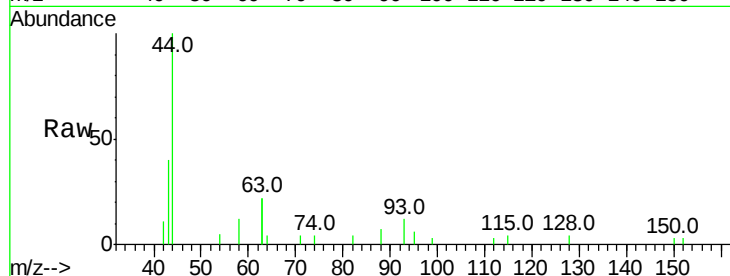
Tot Ion: 93 Resp: 266

Ion Ratio Lower Upper

93 100

63 313.2 275.3 412.9

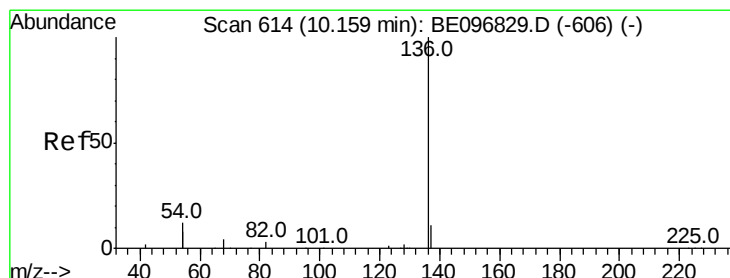
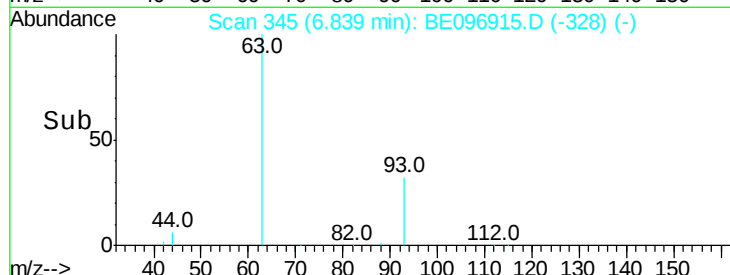
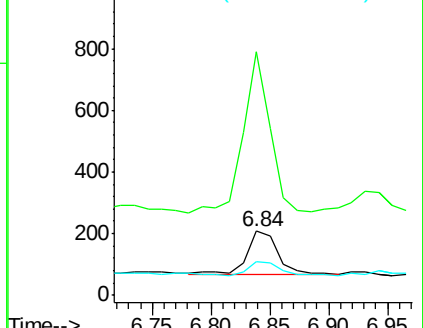
95 31.6 25.2 37.8



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: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

Tgt Ion: 136 Resp: 10065

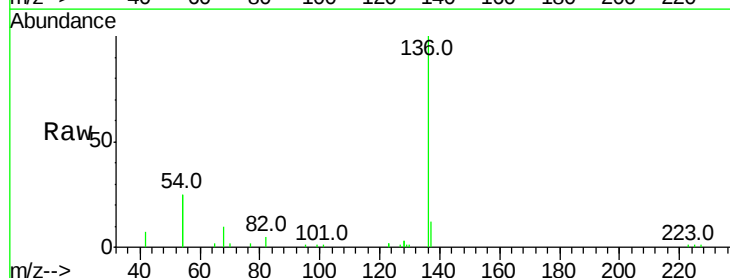
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 50.7 29.1 43.7#

68 9.5 6.2 9.2#

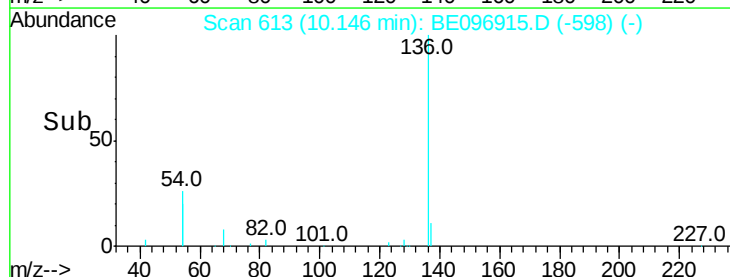
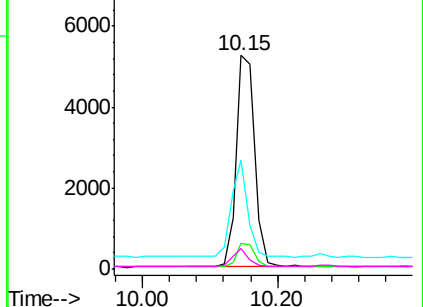


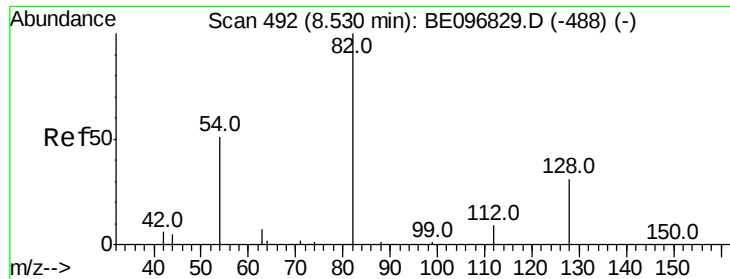
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.596 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118

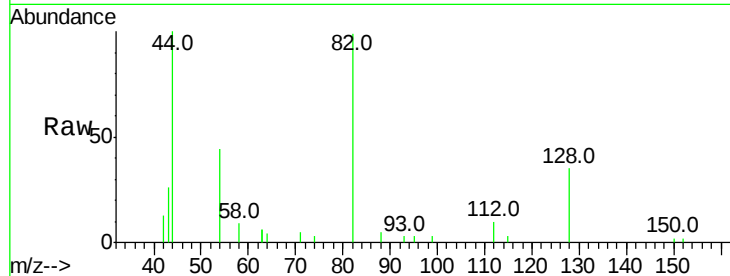
Tot Ion: 82 Resp: 3631

Ion Ratio Lower Upper

82 100

128 35.5 24.0 36.0

54 44.5 40.0 60.0

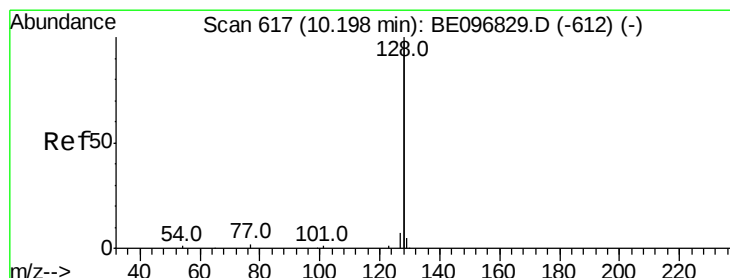
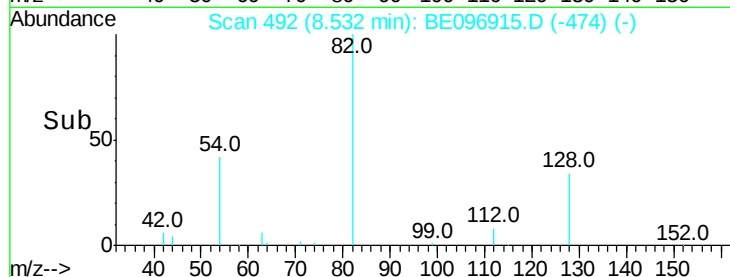


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#9

Naphthalene

Concen: 0.057 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

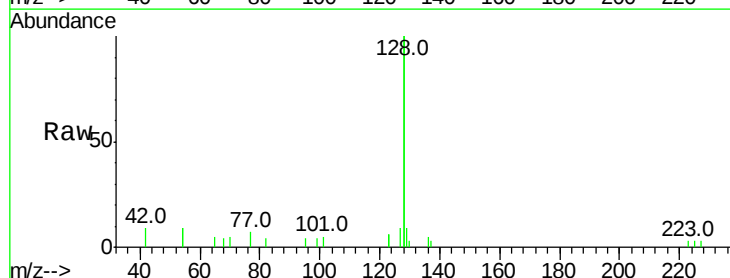
Tgt Ion:128 Resp: 5242

Ion Ratio Lower Upper

128 100

129 4.4 2.6 3.8#

127 4.5 2.8 4.2#

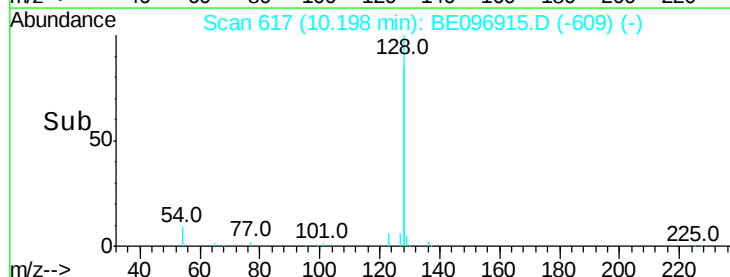


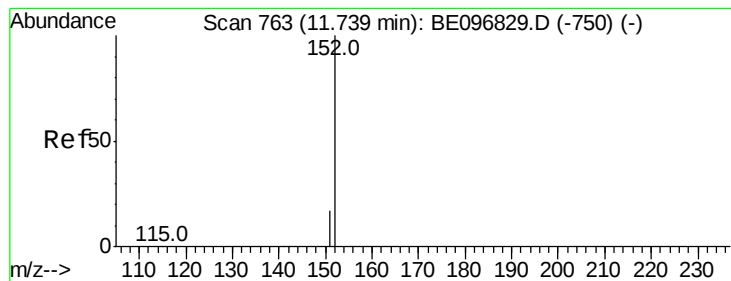
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.485 ng

RT: 11.74 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

Instrument :

BNA_E

ClientSampleId :

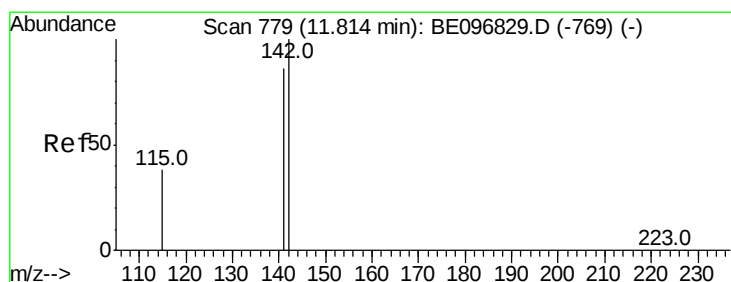
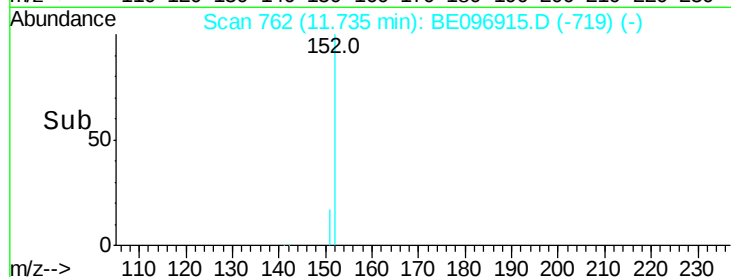
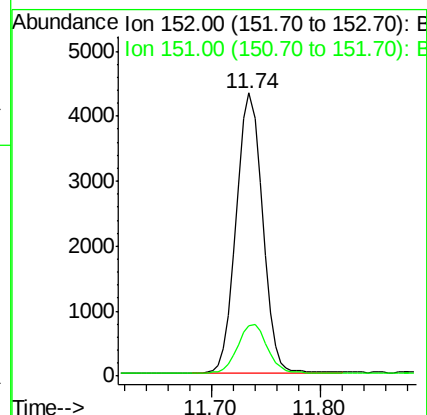
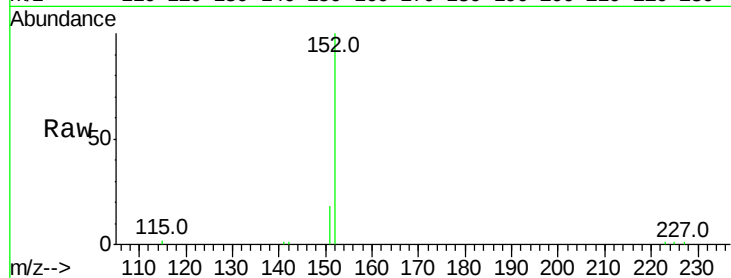
RE120D1-071118

Tot Ion:152 Resp: 7022

Ion Ratio Lower Upper

152 100

151 19.5 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.029 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

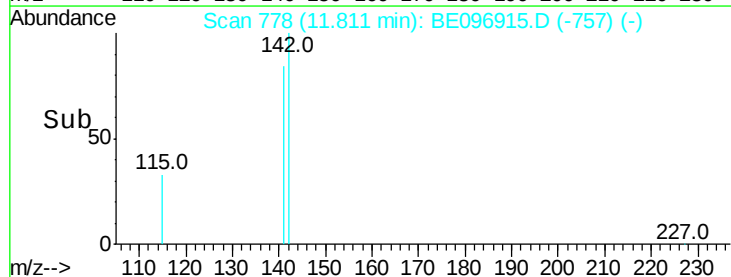
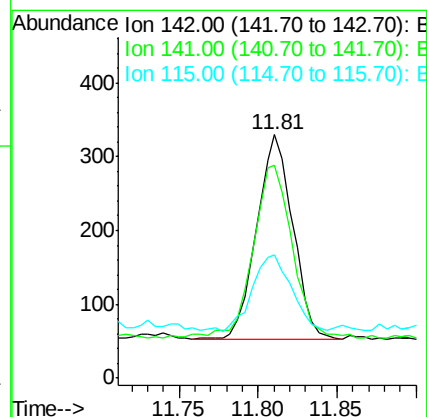
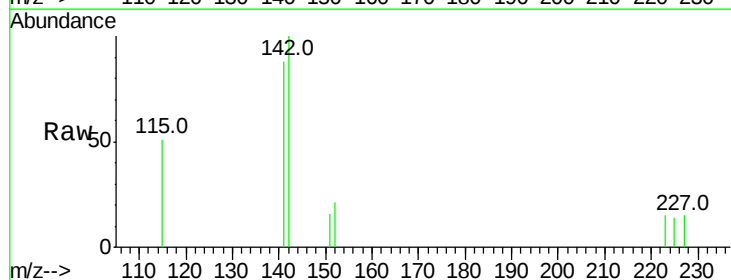
Tgt Ion:142 Resp: 439

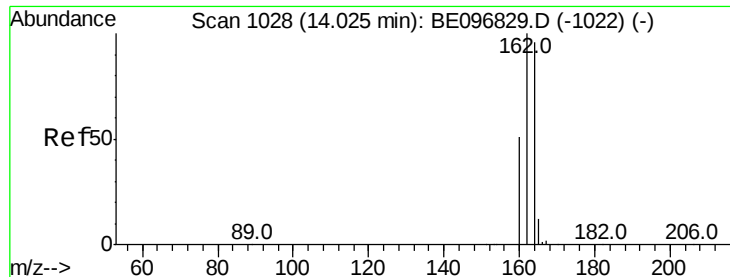
Ion Ratio Lower Upper

142 100

141 87.6 70.4 105.6

115 50.6 31.7 47.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

Instrument :

BNA_E

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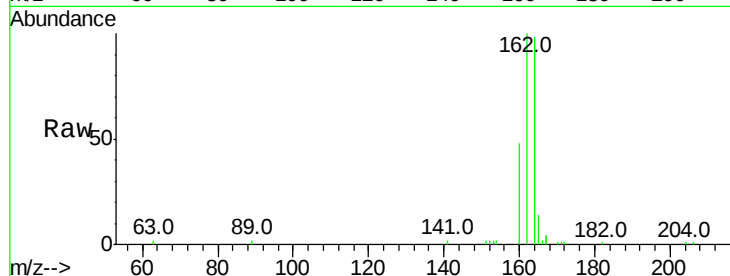
Tot Ion:164 Resp: 5525

Ion Ratio Lower Upper

164 100

162 102.6 83.1 124.7

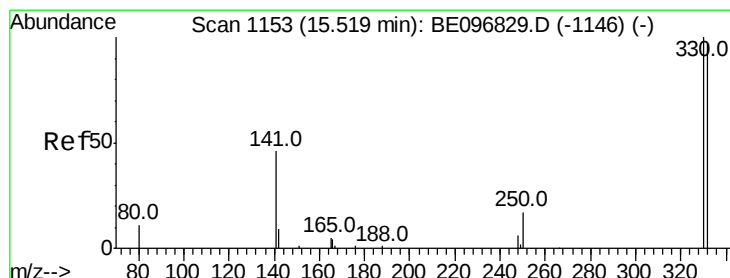
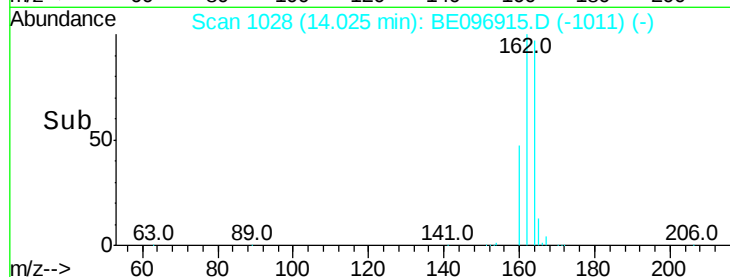
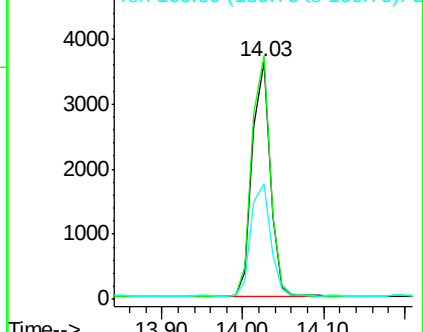
160 48.9 37.1 55.7



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: 0.566 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

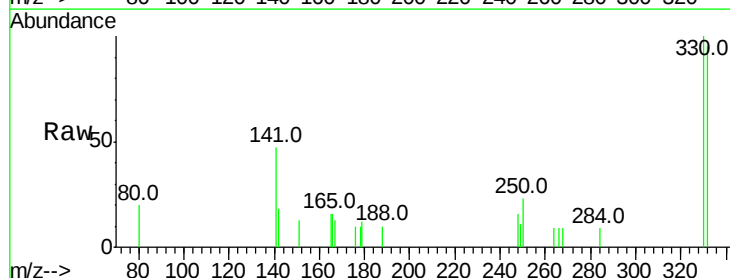
Tgt Ion:330 Resp: 778

Ion Ratio Lower Upper

330 100

332 96.9 152.7 229.1#

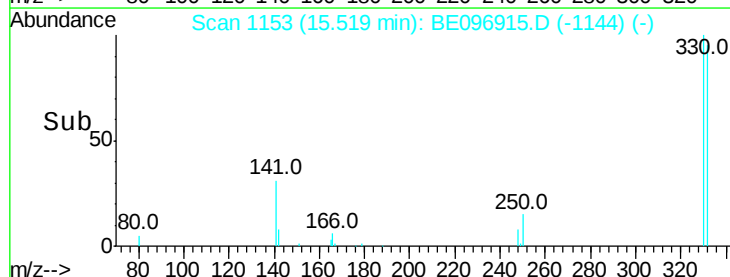
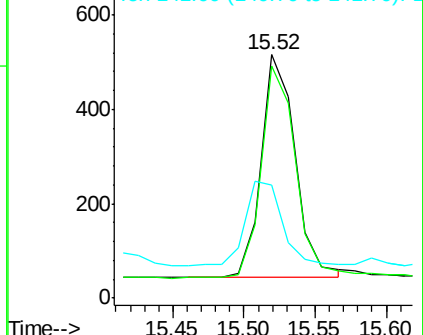
141 41.5 33.7 50.5

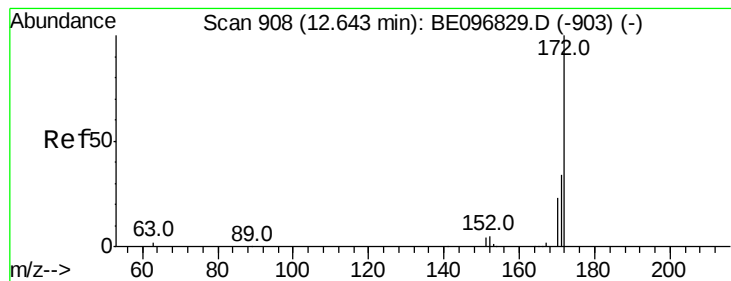


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

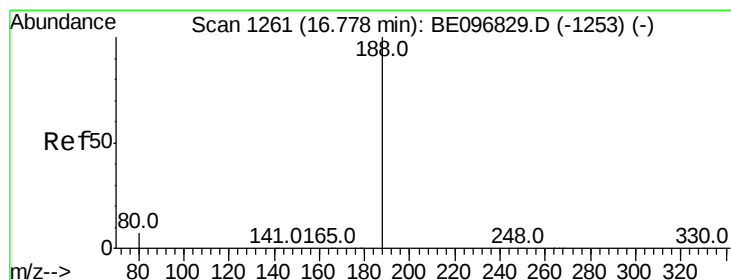
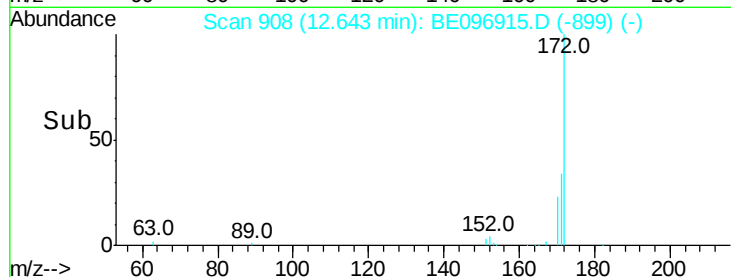
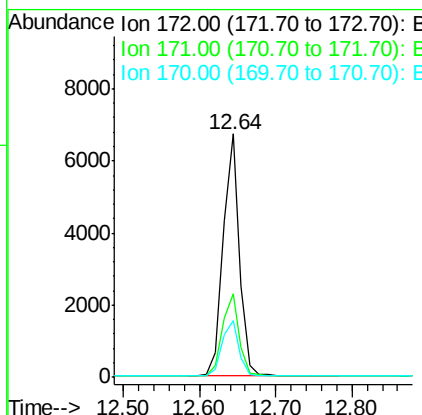
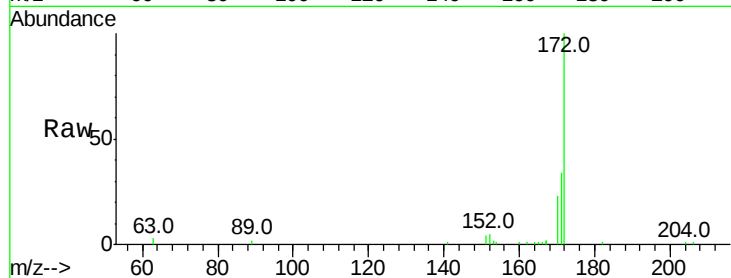




#15
2-Fluorobiphenyl
Concen: 0.500 ng
RT: 12.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE096915.D
Acq: 13 Jul 2018 20:23

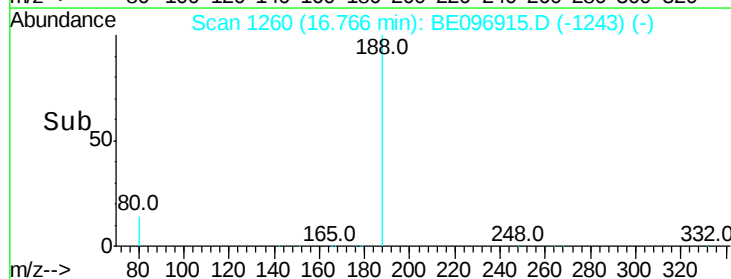
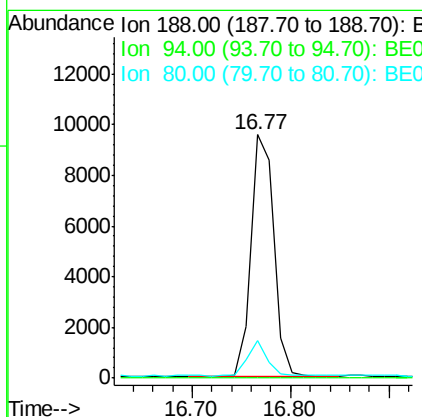
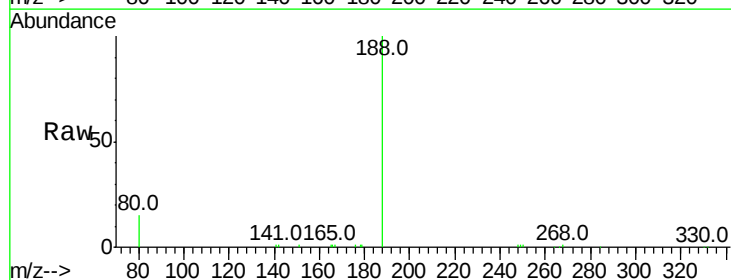
Instrument :
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RE120D1-071118

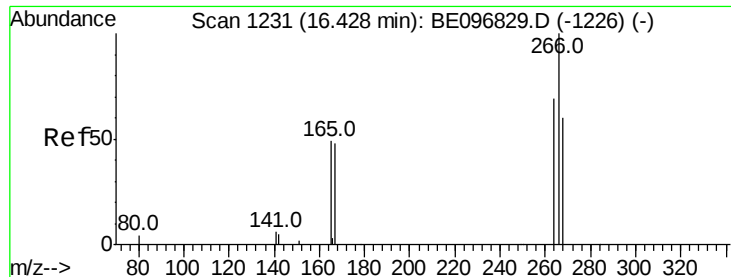
Tot Ion:172 Resp: 10116
Ion Ratio Lower Upper
172 100
171 34.3 29.9 44.9
170 23.1 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BE096915.D
Acq: 13 Jul 2018 20:23

Tgt Ion:188 Resp: 15424
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 15.2 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.038 ng

RT: 16.42 min Scan# 1230

Delta R.T. -0.01 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118

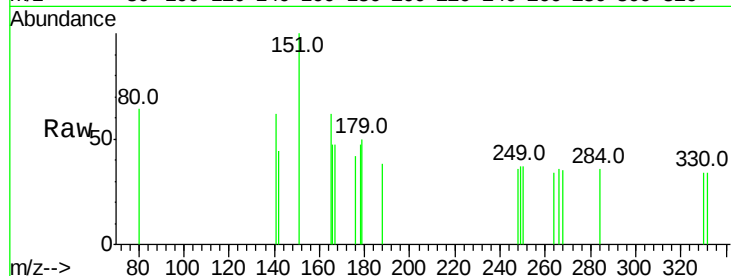
Tot Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

264 93.9 72.5 108.7

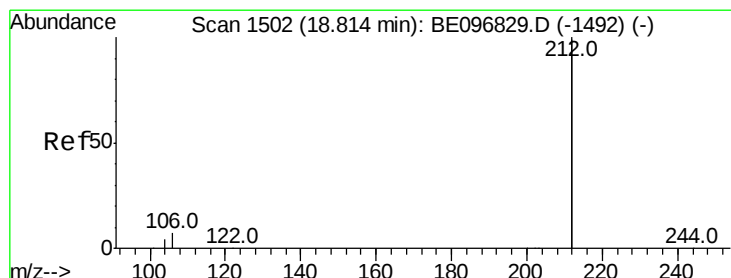
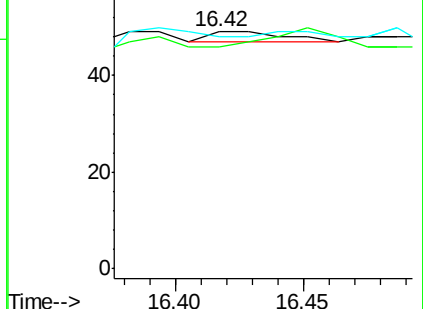
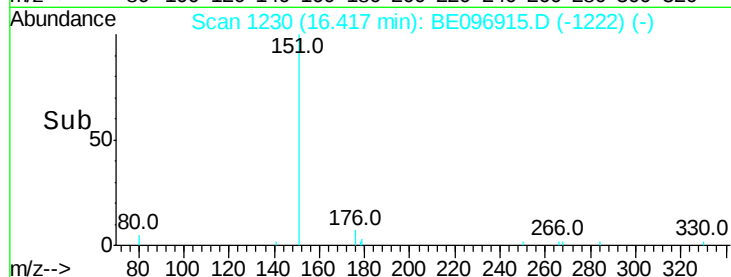
268 98.0 73.8 110.6



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



#25

Fluoranthene-d10

Concen: 0.580 ng

RT: 18.81 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

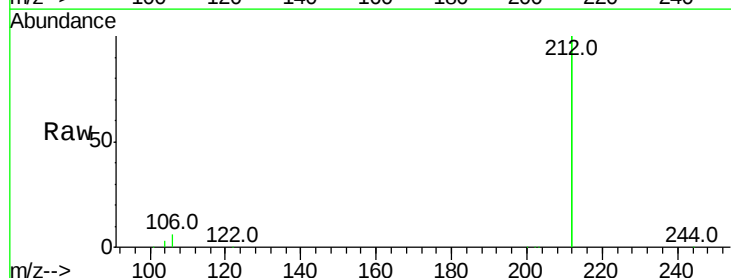
Tgt Ion:212 Resp: 78746

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

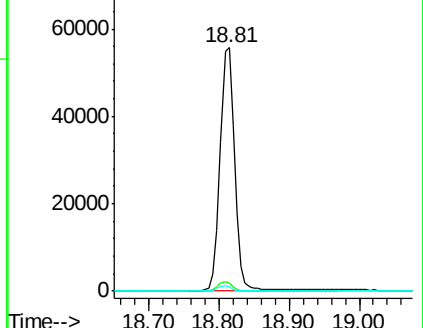
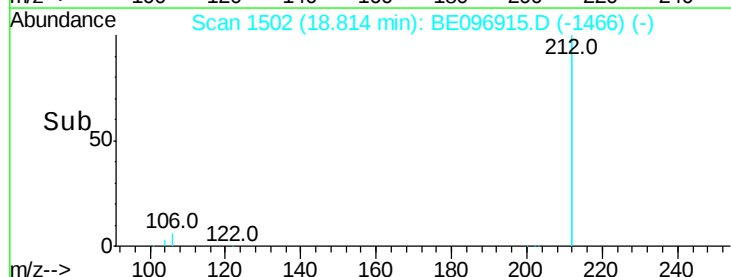
104 1.9 1.6 2.4

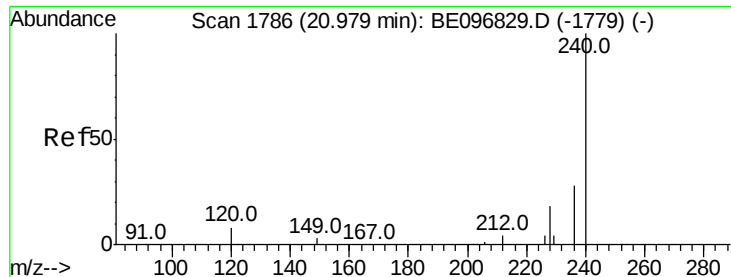


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118

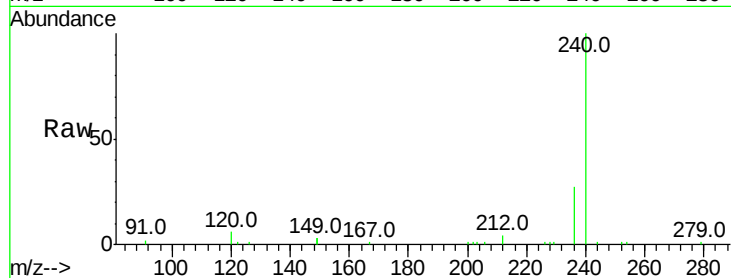
Tot Ion:240 Resp: 13340

Ion Ratio Lower Upper

240 100

120 5.9 5.5 8.3

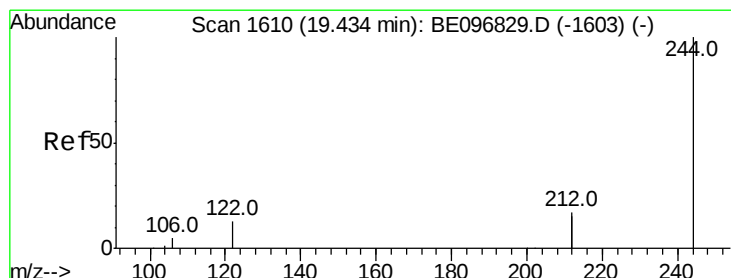
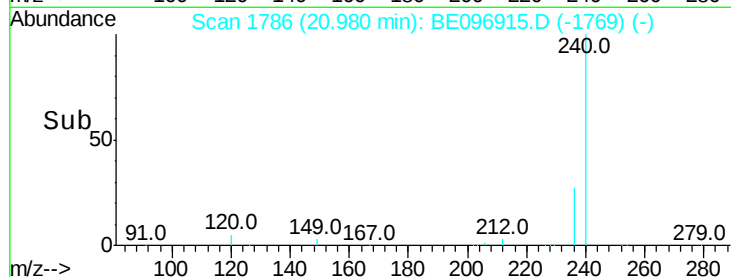
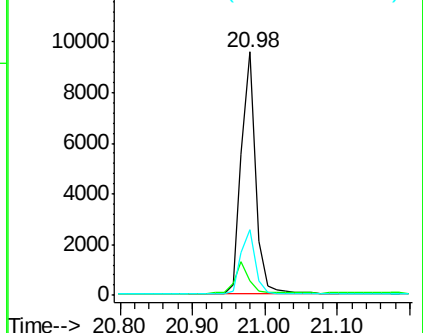
236 27.2 20.7 31.1



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: 0.645 ng

RT: 19.43 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

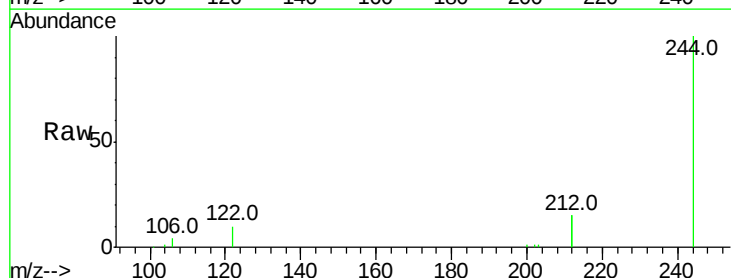
Tgt Ion:244 Resp: 16601

Ion Ratio Lower Upper

244 100

212 30.3 25.4 38.0

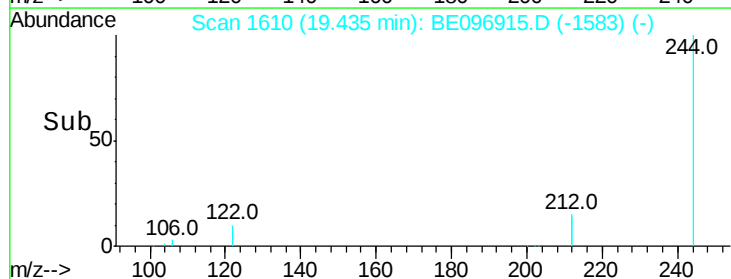
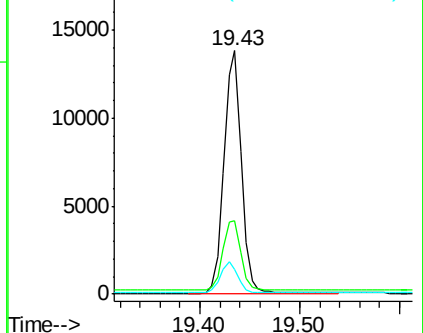
122 10.1 8.1 12.1

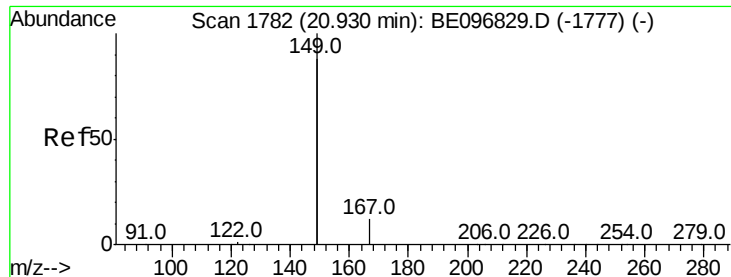


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.116 ng

RT: 20.93 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118

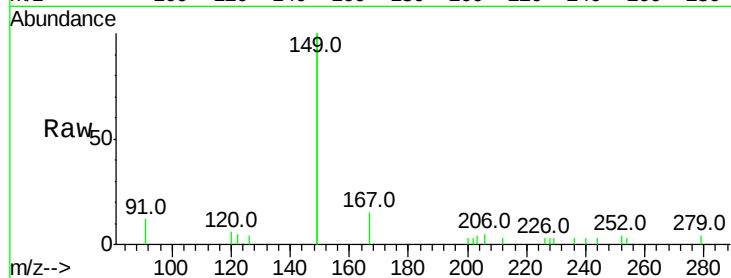
Tot Ion:149 Resp: 3075

Ion Ratio Lower Upper

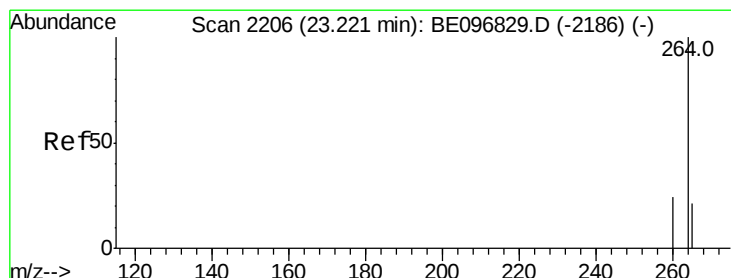
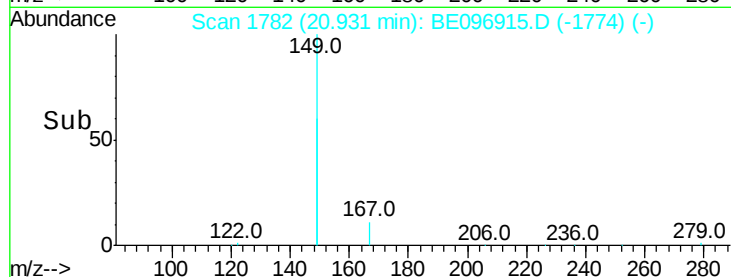
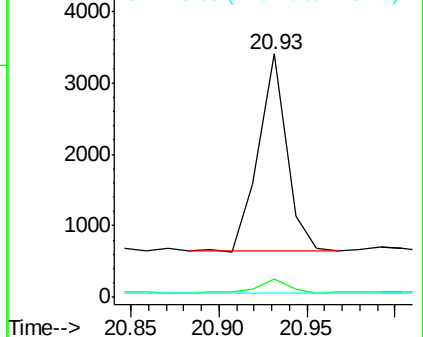
149 100

167 7.0 5.4 8.0

279 0.7 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# 2204

Delta R.T. 0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

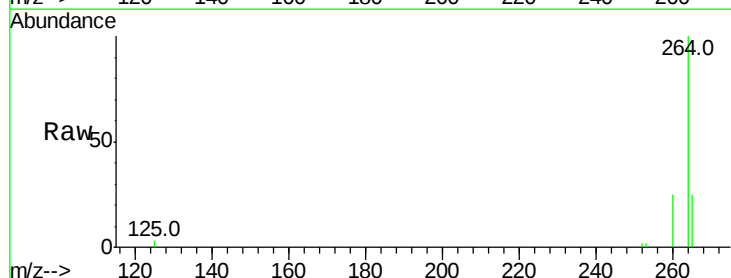
Tgt Ion:264 Resp: 14160

Ion Ratio Lower Upper

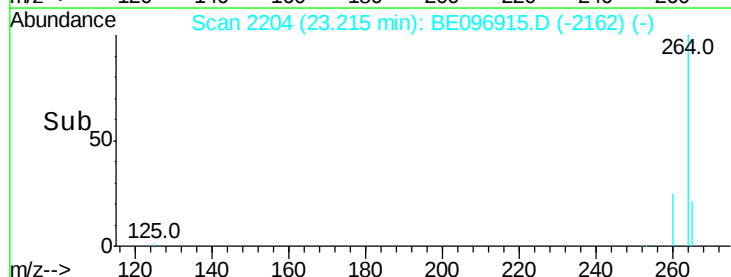
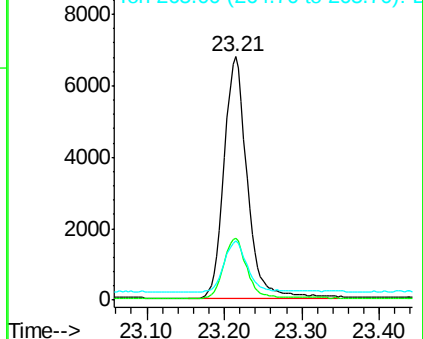
264 100

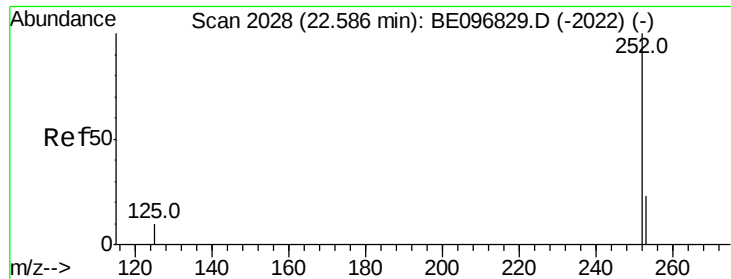
260 25.4 20.5 30.7

265 24.5 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





#36

Benzo(k)fluoranthene

Concen: 0.084 ng

RT: 22.59 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

Instrument :

BNA_E

ClientSampleId :

RE120D1-071118

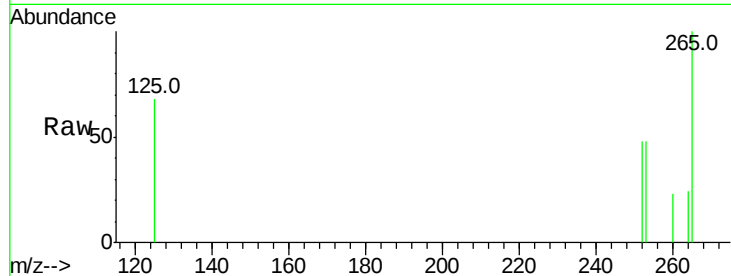
Tot Ion:252 Resp: 9

Ion Ratio Lower Upper

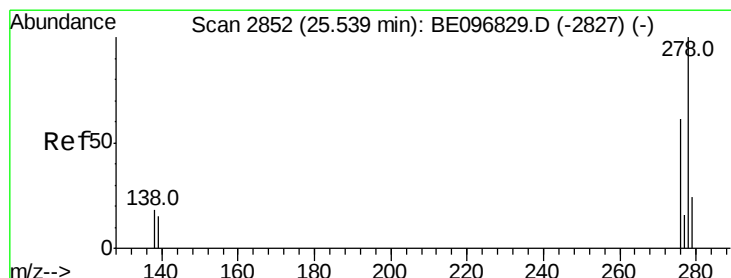
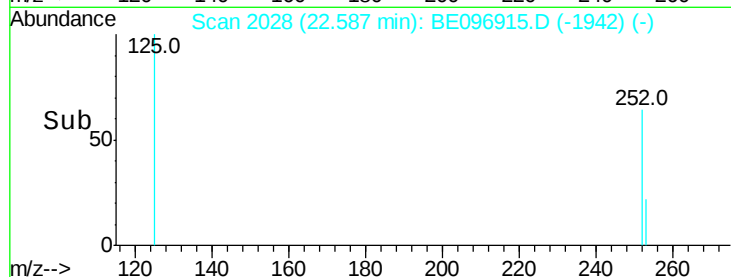
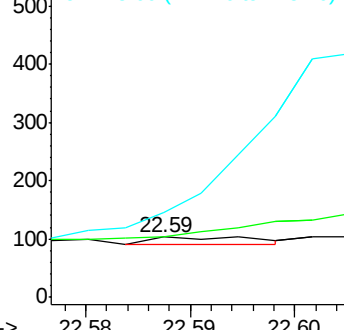
252 100

253 101.0 16.0 24.0#

125 141.7 8.0 12.0#



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: 0.109 ng

RT: 25.54 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BE096915.D

Acq: 13 Jul 2018 20:23

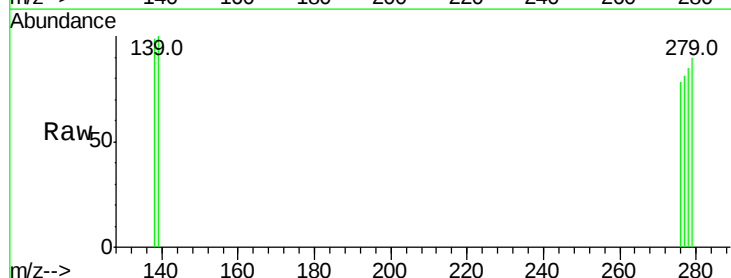
Tgt Ion:278 Resp: 3

Ion Ratio Lower Upper

278 100

139 117.5 16.0 24.0#

279 105.3 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

