

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096913.D
 Acq On : 13 Jul 2018 19:08
 Operator : SJ/JU
 Sample : J3170-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE120D3-071118

Quant Time: Jul 13 23:06:51 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	2097	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	10393	0.40	ng	0.01
13) Acenaphthene-d10	14.03	164	5782	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	15713	0.40	ng	0.00
27) Chrysene-d12	20.98	240	13677	0.40	ng	0.00
34) Perylene-d12	23.21	264	14384	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1254	0.27	ng	0.00
5) Phenol-d6	6.60	99	1097	0.16	ng	0.00
8) Nitrobenzene-d5	8.53	82	3671	0.58	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	7130	0.48	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	718	0.52	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	13360	0.63	ng	0.00
25) Fluoranthene-d10	18.81	212	77534	0.56	ng	0.00
29) Terphenyl-d14	19.43	244	19960	0.76	ng	0.00

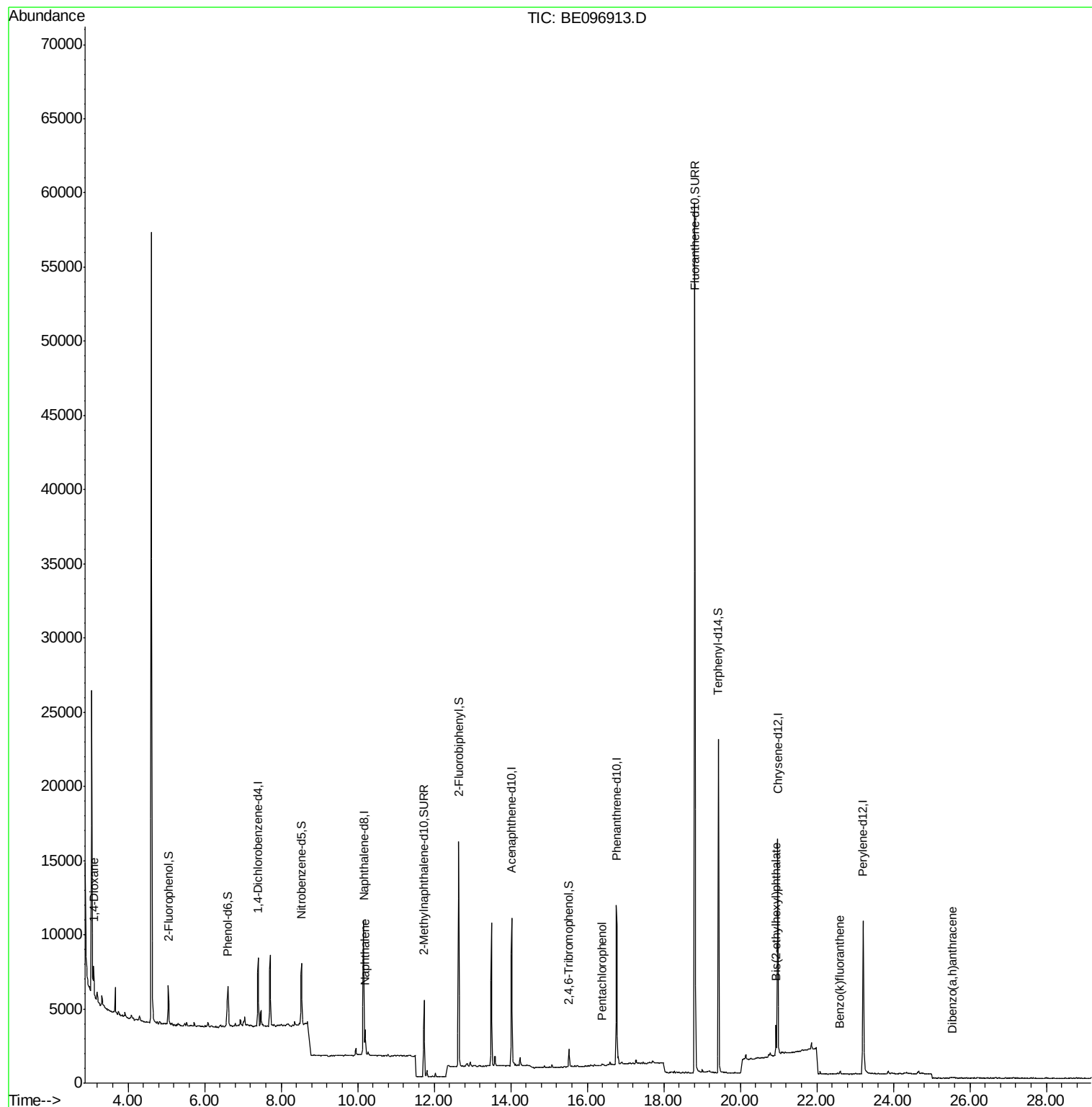
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	783	0.249	ng	90
9) Naphthalene	10.20	128	2449	0.026	ng	# 92
22) Pentachlorophenol	16.38	266	8	0.041	ng	97
32) Bis(2-ethylhexyl)phthalate	20.93	149	2305	0.085	ng	# 98
36) Benzo(k)fluoranthene	22.59	252	57	0.084	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	3	0.109	ng	# 1

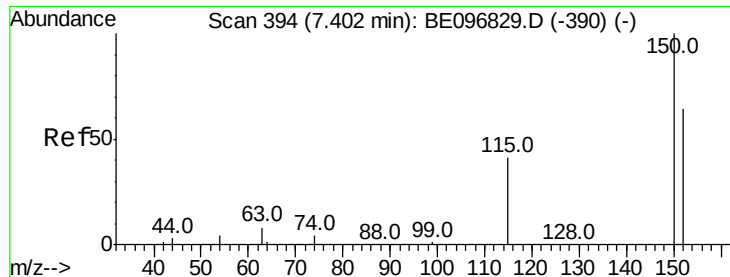
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE096913.D

Acq: 13 Jul 2018 19:08

Instrument :

BNA_E

ClientSampleId :

RE120D3-071118

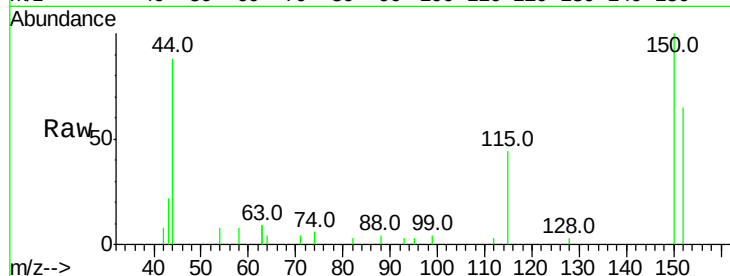
Tot Ion:152 Resp: 2097

Ion Ratio Lower Upper

152 100

150 155.0 117.2 175.8

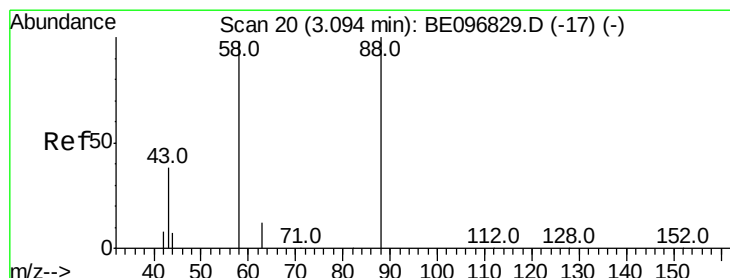
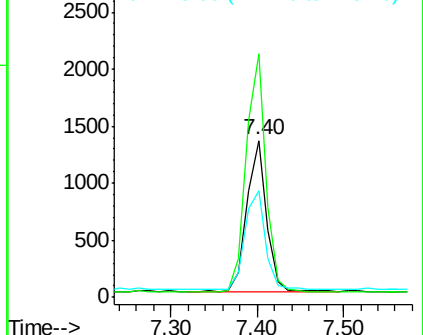
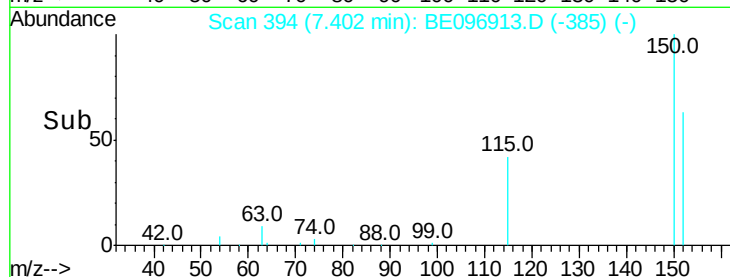
115 68.3 57.0 85.6



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: 0.249 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

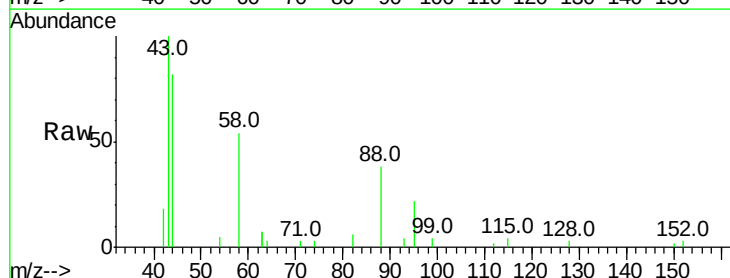
Tgt Ion: 88 Resp: 783

Ion Ratio Lower Upper

88 100

58 90.2 63.2 94.8

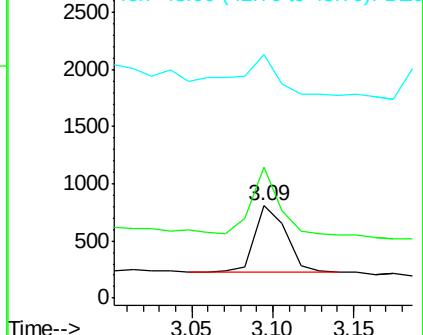
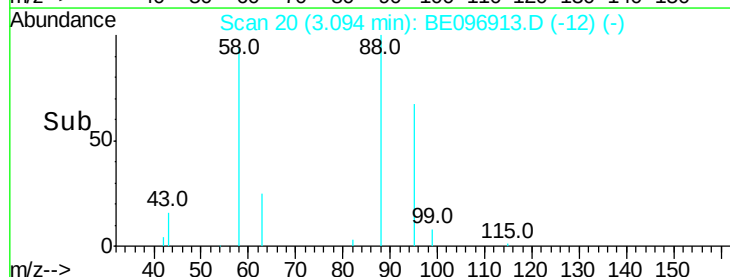
43 56.2 41.2 61.8

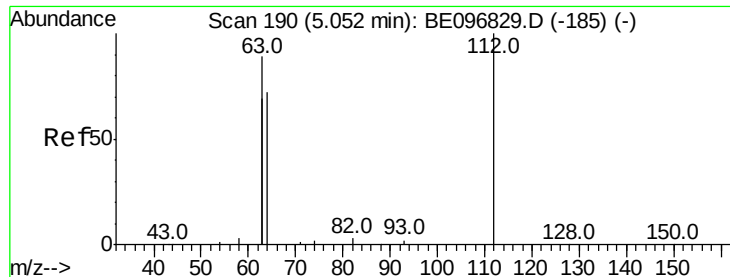


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.268 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

Instrument :

BNA_E

ClientSampleId :

RE120D3-071118

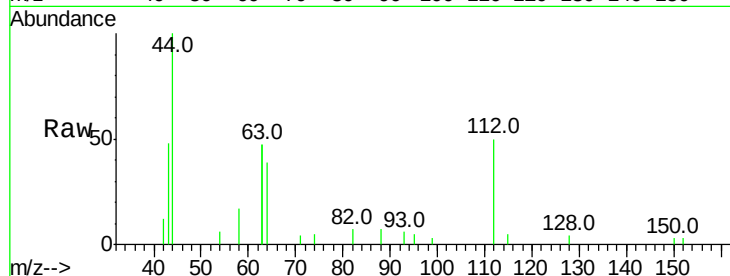
Tot Ion:112 Resp: 1254

Ion Ratio Lower Upper

112 100

64 66.3 60.1 90.1

63 143.0 116.8 175.2



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

2000

1500

1000

500

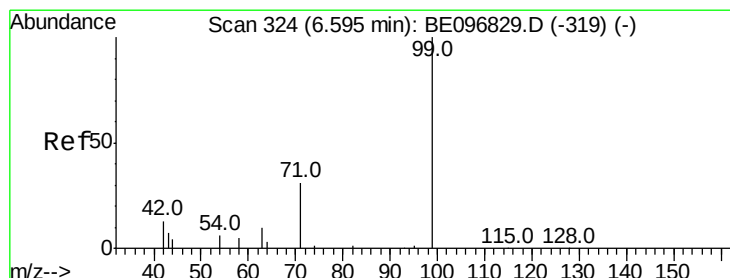
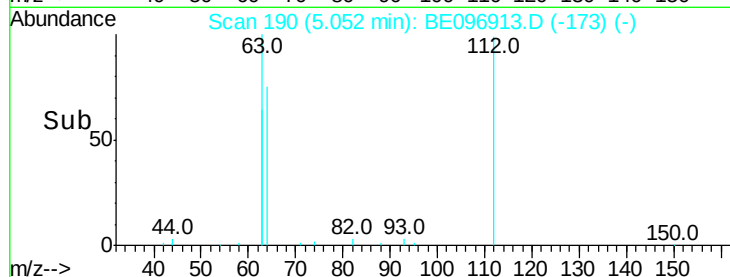
0

5.05

5.10

5.20

Time-->



#5

Phenol-d6

Concen: 0.157 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

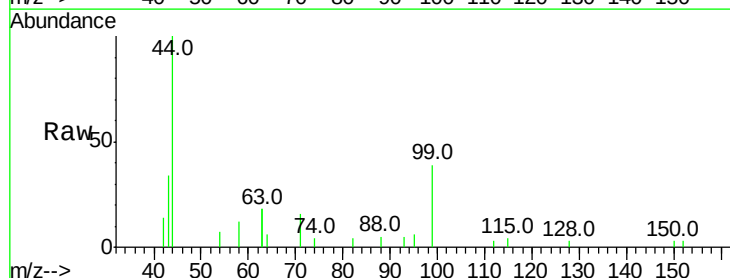
Tgt Ion: 99 Resp: 1097

Ion Ratio Lower Upper

99 100

42 35.2 20.2 30.2#

71 41.8 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

800

600

400

200

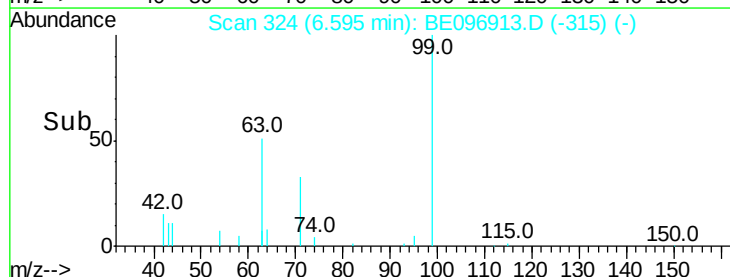
0

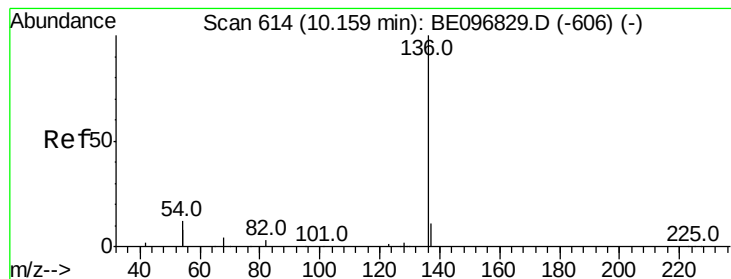
6.60

6.55

6.65

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. 0.01 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

Instrument :

BNA_E

ClientSampleId :

RE120D3-071118

Tot Ion:136 Resp: 10393

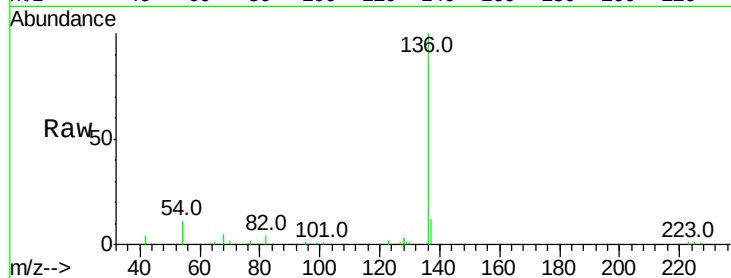
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 22.9 29.1 43.7#

68 5.1 6.2 9.2#



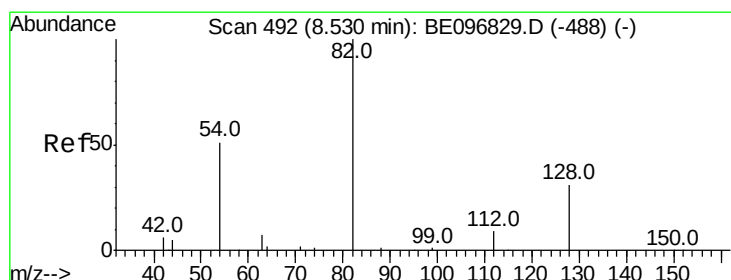
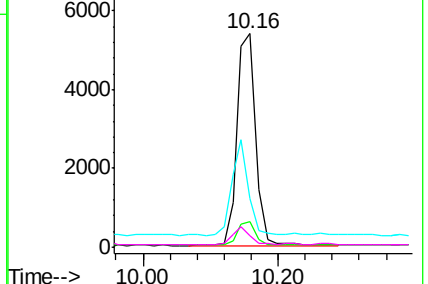
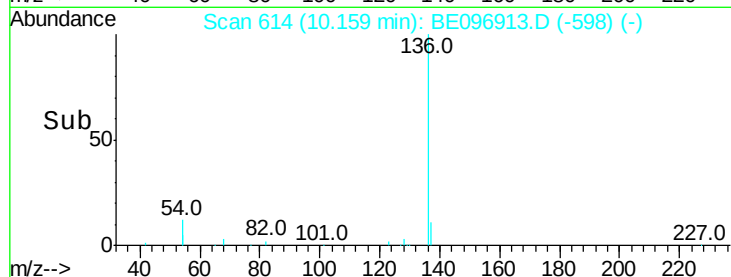
Abundance

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: 0.583 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

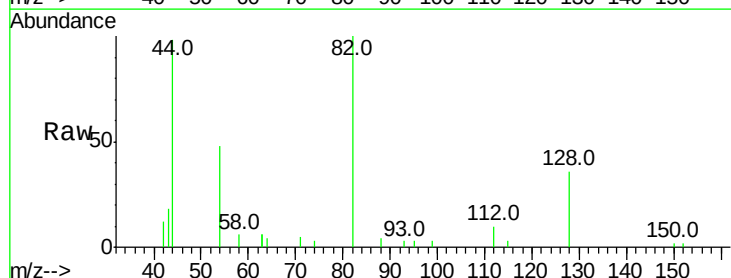
Tgt Ion: 82 Resp: 3671

Ion Ratio Lower Upper

82 100

128 35.7 24.0 36.0

54 47.7 40.0 60.0

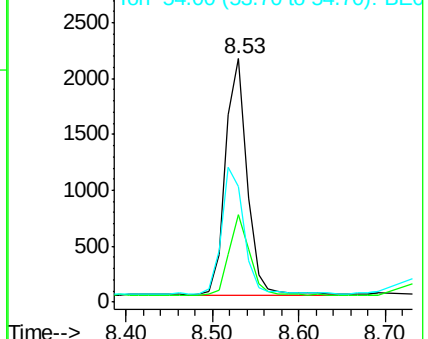
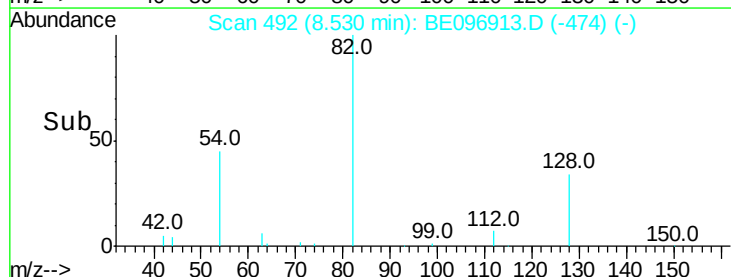


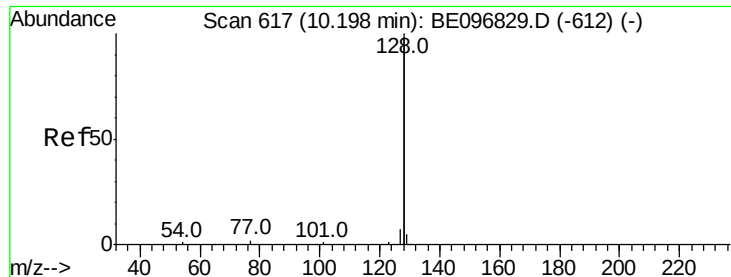
Abundance

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





#9

Naphthalene

Concen: 0.026 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

Instrument :

BNA_E

ClientSampleId :

RE120D3-071118

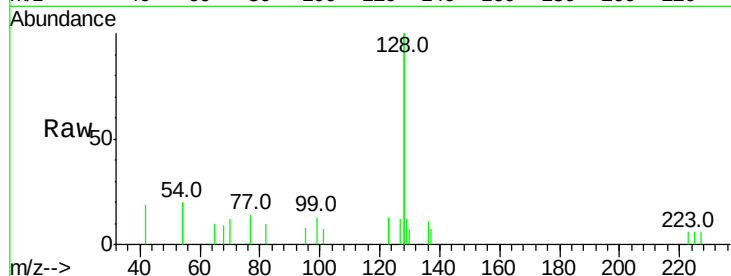
Tot Ion:128 Resp: 2449

Ion Ratio Lower Upper

128 100

129 6.1 2.6 3.8#

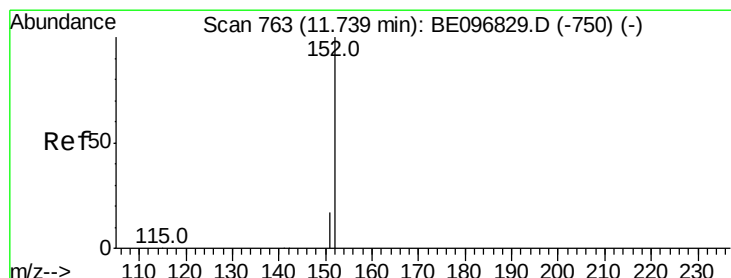
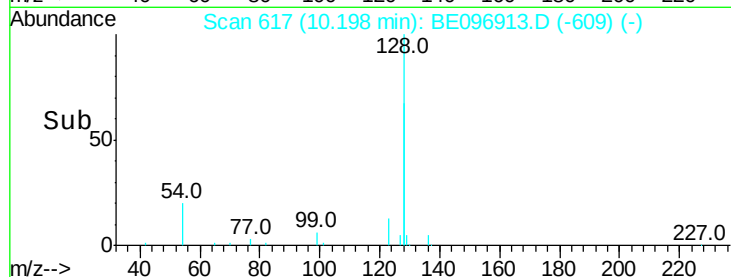
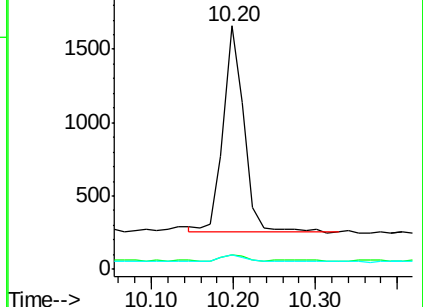
127 5.8 2.8 4.2#



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: 0.477 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096913.D

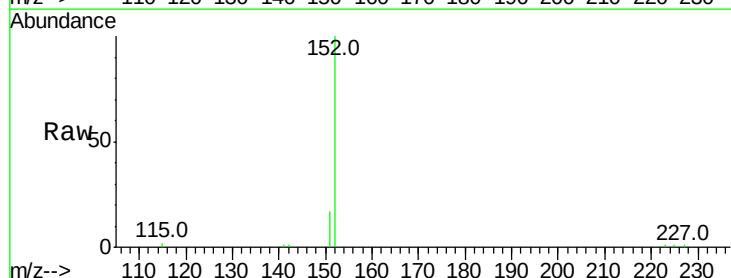
Acq: 13 Jul 2018 19:08

Tgt Ion:152 Resp: 7130

Ion Ratio Lower Upper

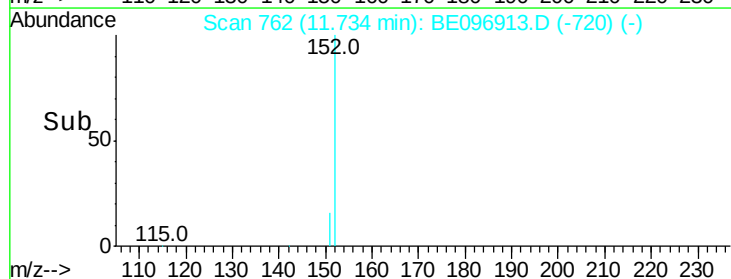
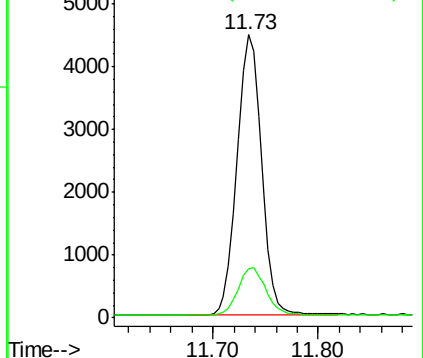
152 100

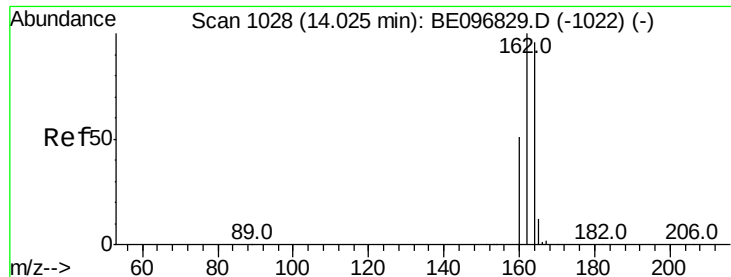
151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

Instrument :

BNA_E

ClientSampleId :

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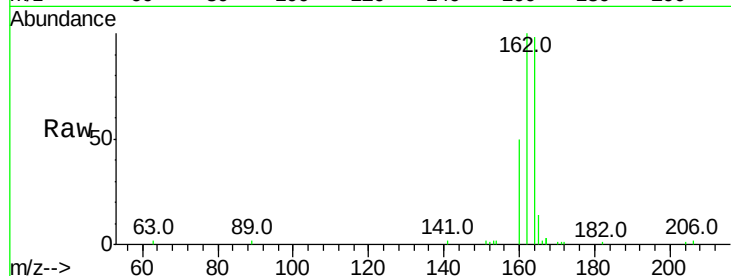
Tot Ion:164 Resp: 5782

Ion Ratio Lower Upper

164 100

162 102.3 83.1 124.7

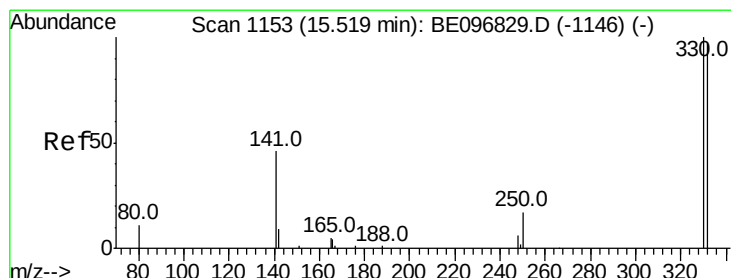
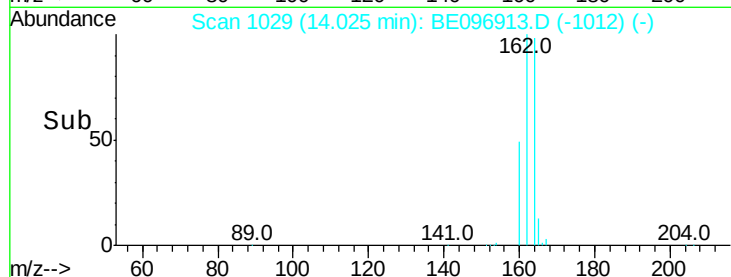
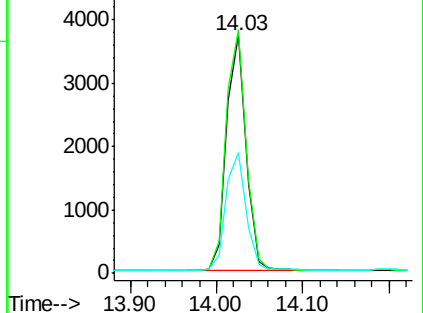
160 50.9 37.1 55.7



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: 0.518 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

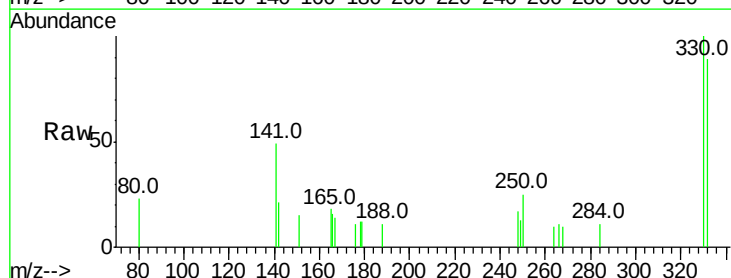
Tgt Ion:330 Resp: 718

Ion Ratio Lower Upper

330 100

332 92.1 152.7 229.1#

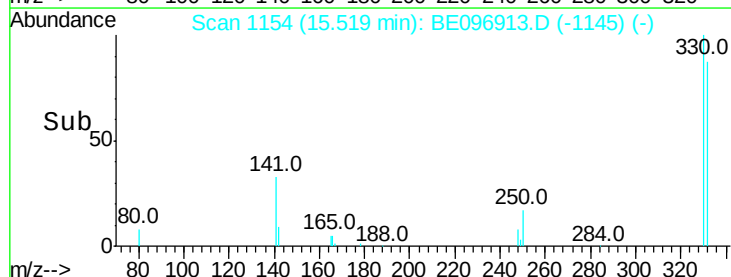
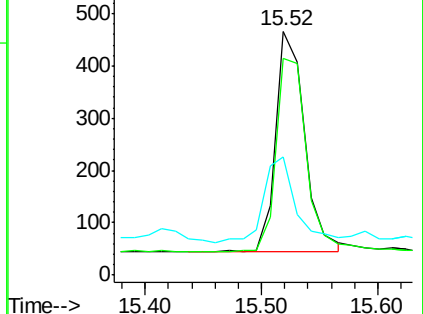
141 43.6 33.7 50.5

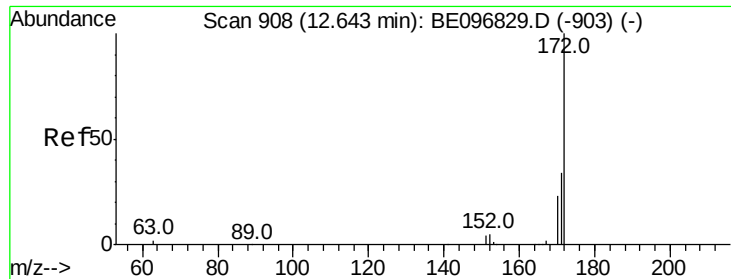


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

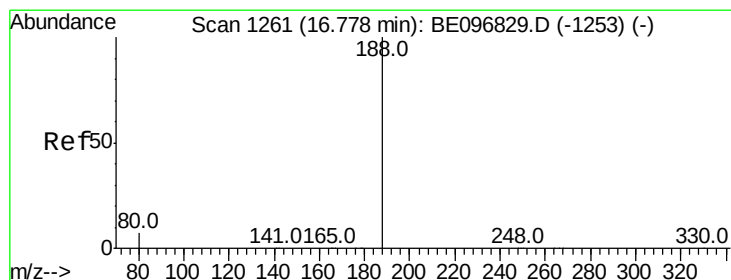
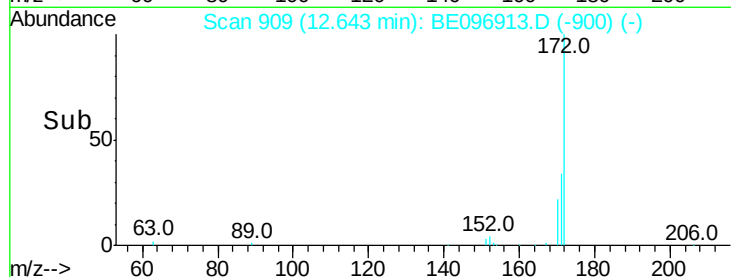
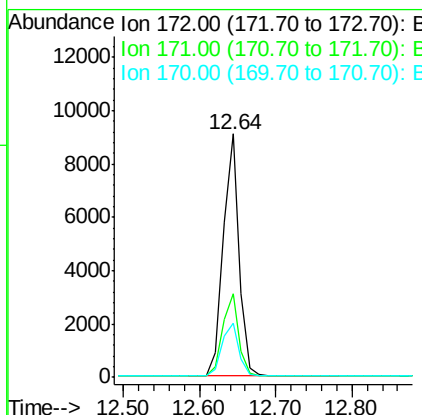
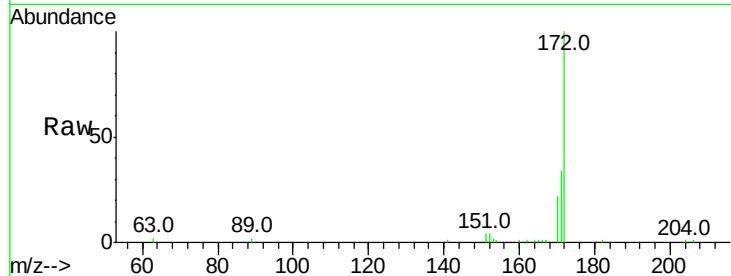




#15
2-Fluorobiphenyl
Concen: 0.631 ng
RT: 12.64 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE096913.D
Acq: 13 Jul 2018 19:08

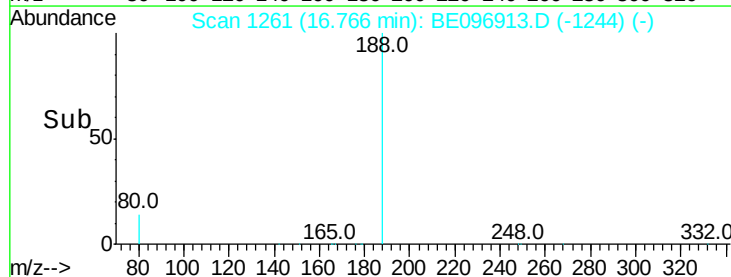
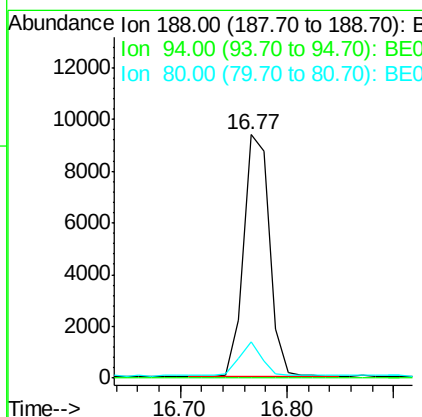
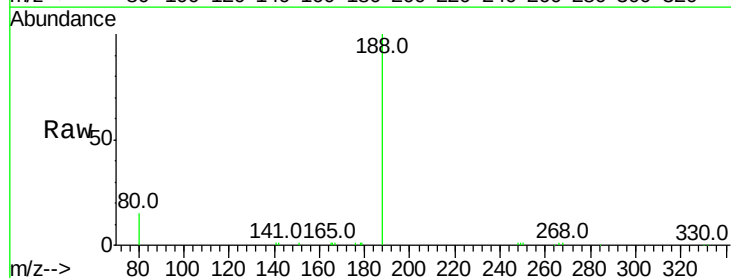
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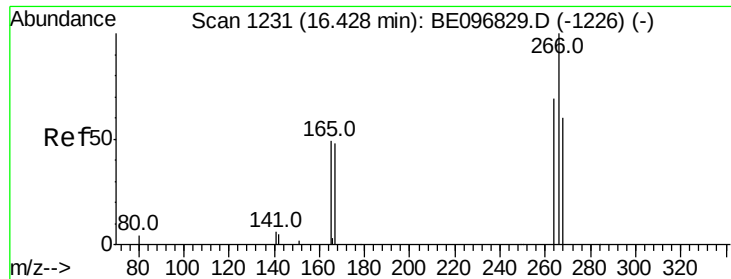
Tot Ion:172 Resp: 13360
Ion Ratio Lower Upper
172 100
171 34.1 29.9 44.9
170 22.2 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE096913.D
Acq: 13 Jul 2018 19:08

Tgt Ion:188 Resp: 15713
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 14.9 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.041 ng

RT: 16.38 min Scan# 1228

Delta R.T. -0.05 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

Instrument :

BNA_E

ClientSampleId :

RE120D3-071118

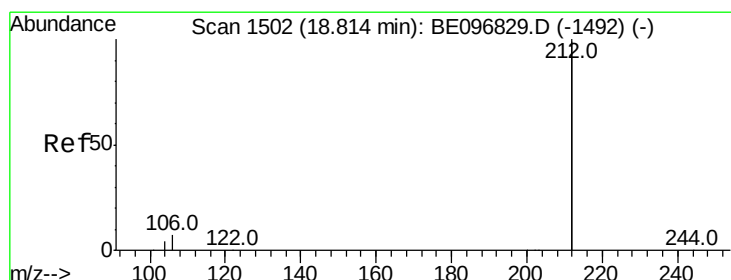
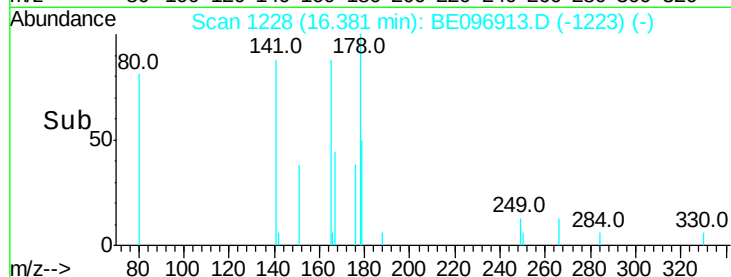
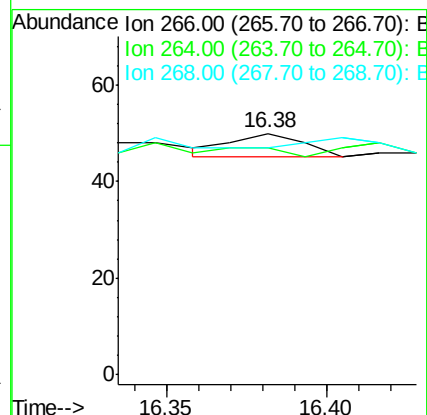
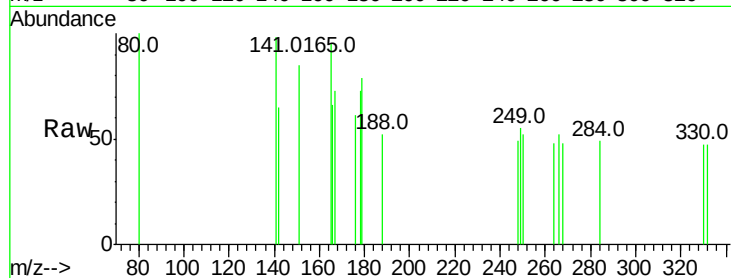
Tot Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 94.0 72.5 108.7

268 94.0 73.8 110.6



#25

Fluoranthene-d10

Concen: 0.561 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

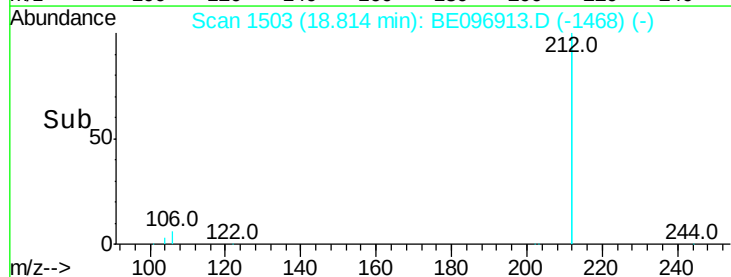
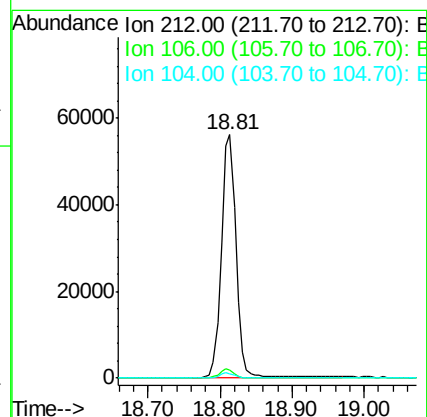
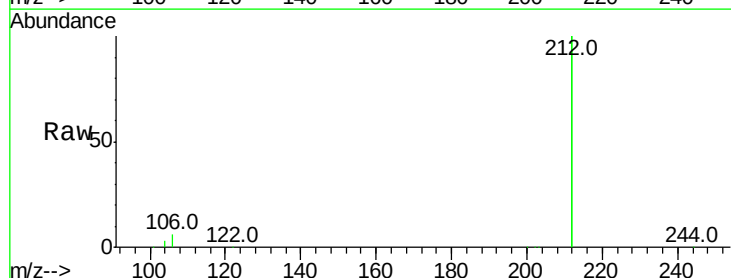
Tgt Ion:212 Resp: 77534

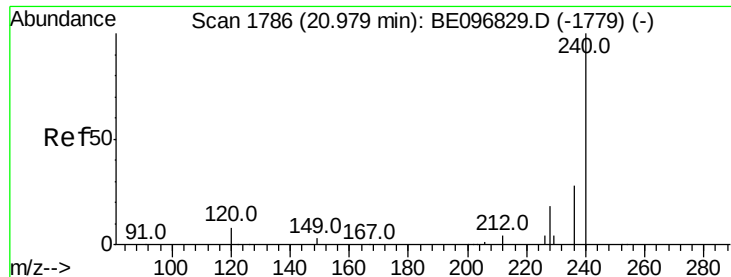
Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

104 1.9 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

Instrument :

BNA_E

ClientSampleId :

RE120D3-071118

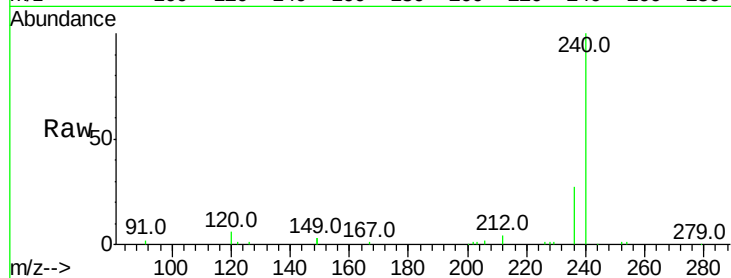
Tot Ion:240 Resp: 13677

Ion Ratio Lower Upper

240 100

120 6.1 5.5 8.3

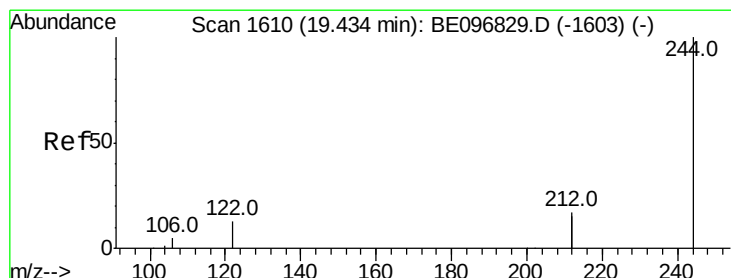
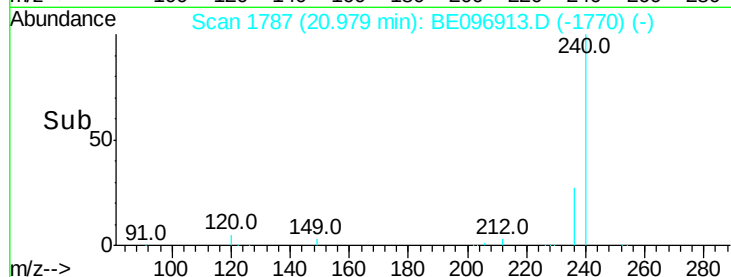
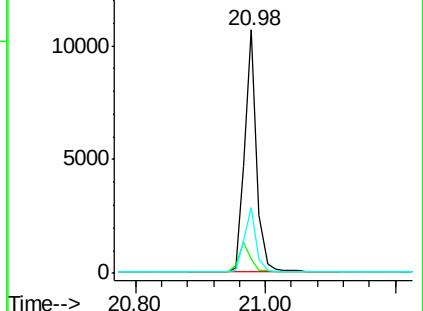
236 27.0 20.7 31.1



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: 0.756 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

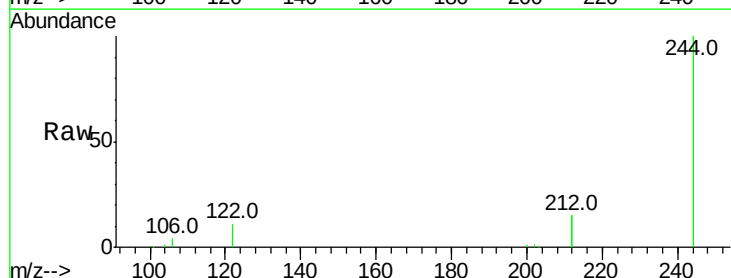
Tgt Ion:244 Resp: 19960

Ion Ratio Lower Upper

244 100

212 30.7 25.4 38.0

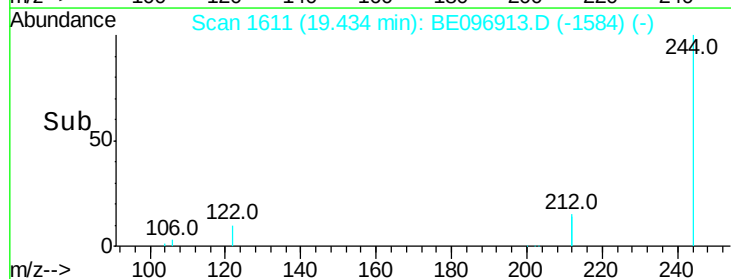
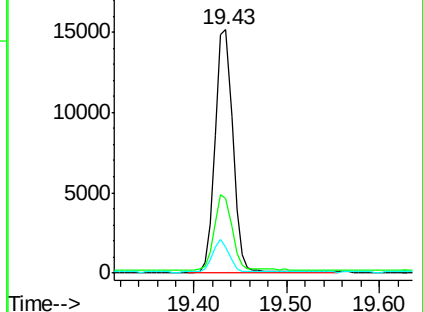
122 10.7 8.1 12.1

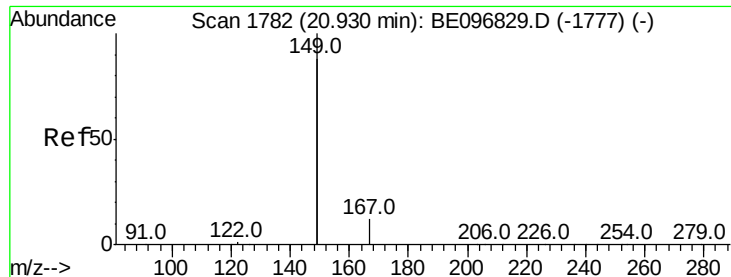


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.085 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

Instrument :

BNA_E

ClientSampleId :

RE120D3-071118

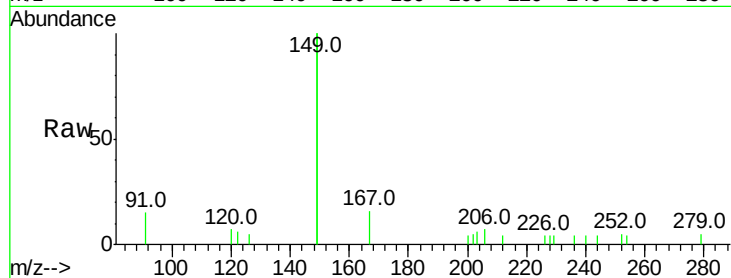
Tot Ion:149 Resp: 2305

Ion Ratio Lower Upper

149 100

167 7.6 5.4 8.0

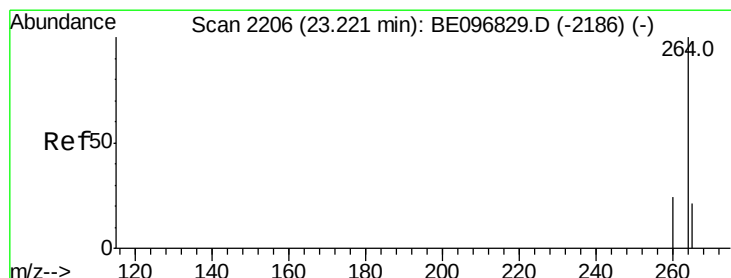
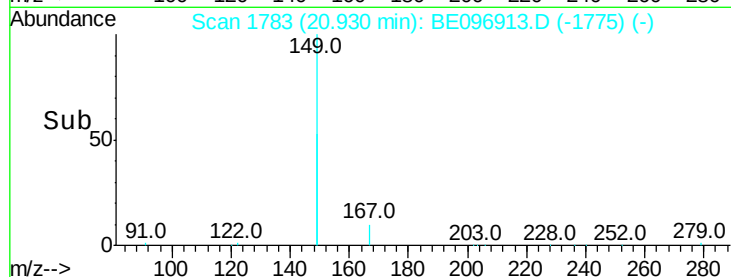
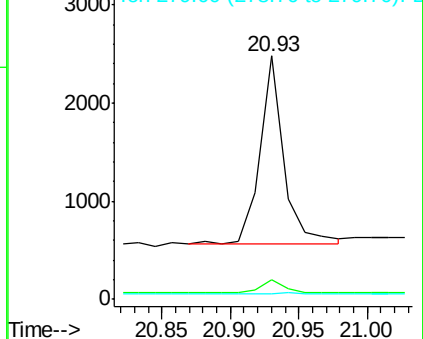
279 1.3 0.7 1.1#



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# 2205

Delta R.T. 0.00 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

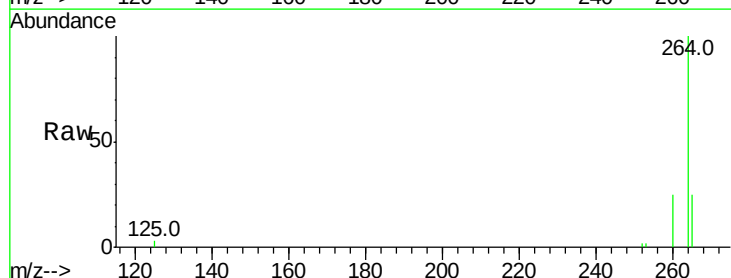
Tgt Ion:264 Resp: 14384

Ion Ratio Lower Upper

264 100

260 25.1 20.5 30.7

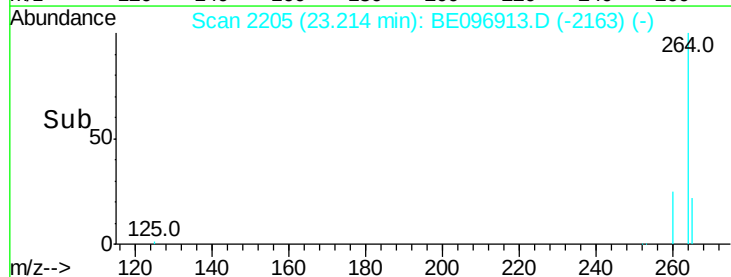
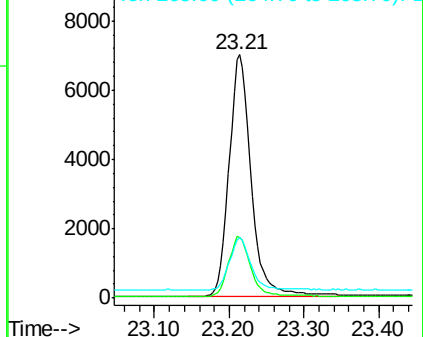
265 24.8 22.8 34.2

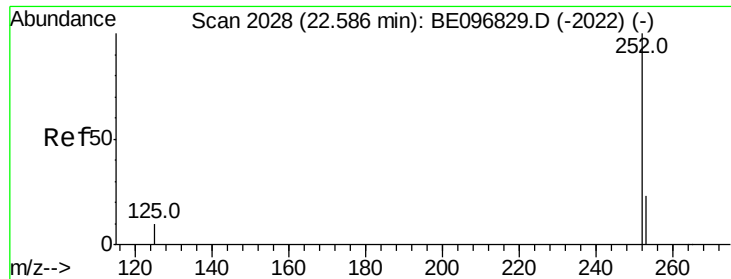


Abundance Ion 264.00 (263.70 to 264.70): E

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# 2029

Delta R.T. 0.00 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

Instrument :

BNA_E

ClientSampleId :

RE120D3-071118

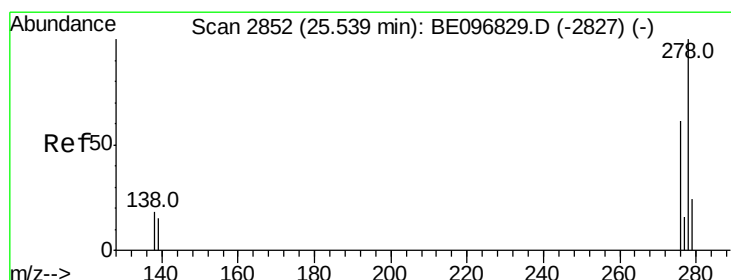
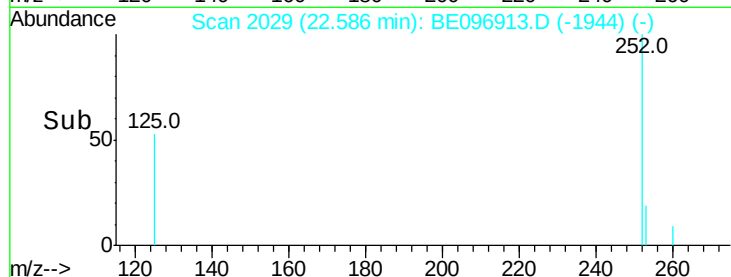
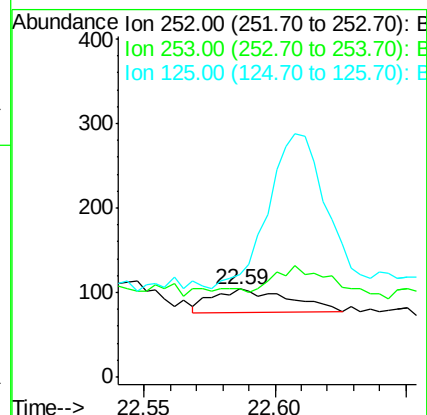
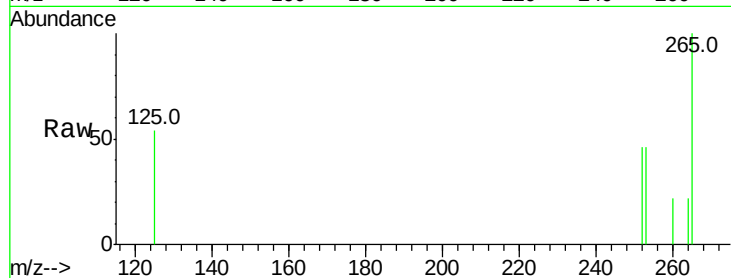
Tot Ion:252 Resp: 57

Ion Ratio Lower Upper

252 100

253 100.0 16.0 24.0#

125 116.3 8.0 12.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.109 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BE096913.D

Acq: 13 Jul 2018 19:08

Tgt Ion:278 Resp: 3

Ion Ratio Lower Upper

278 100

139 112.3 16.0 24.0#

279 107.0 20.0 30.0#

