

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096911.D
 Acq On : 13 Jul 2018 17:52
 Operator : SJ/JU
 Sample : J3170-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE125D2-071118

Quant Time: Jul 13 18:50:32 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	1964	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	9427	0.40	ng	0.01
13) Acenaphthene-d10	14.02	164	5195	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	14552	0.40	ng	0.00
27) Chrysene-d12	20.98	240	15062	0.40	ng	0.00
34) Perylene-d12	23.21	264	14428	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1180	0.27	ng	0.00
5) Phenol-d6	6.59	99	1003	0.15	ng	0.00
8) Nitrobenzene-d5	8.53	82	3655	0.64	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	7711	0.57	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	880	0.65	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	11901	0.63	ng	0.00
25) Fluoranthene-d10	18.81	212	79395	0.62	ng	0.00
29) Terphenyl-d14	19.43	244	22578	0.78	ng	0.00

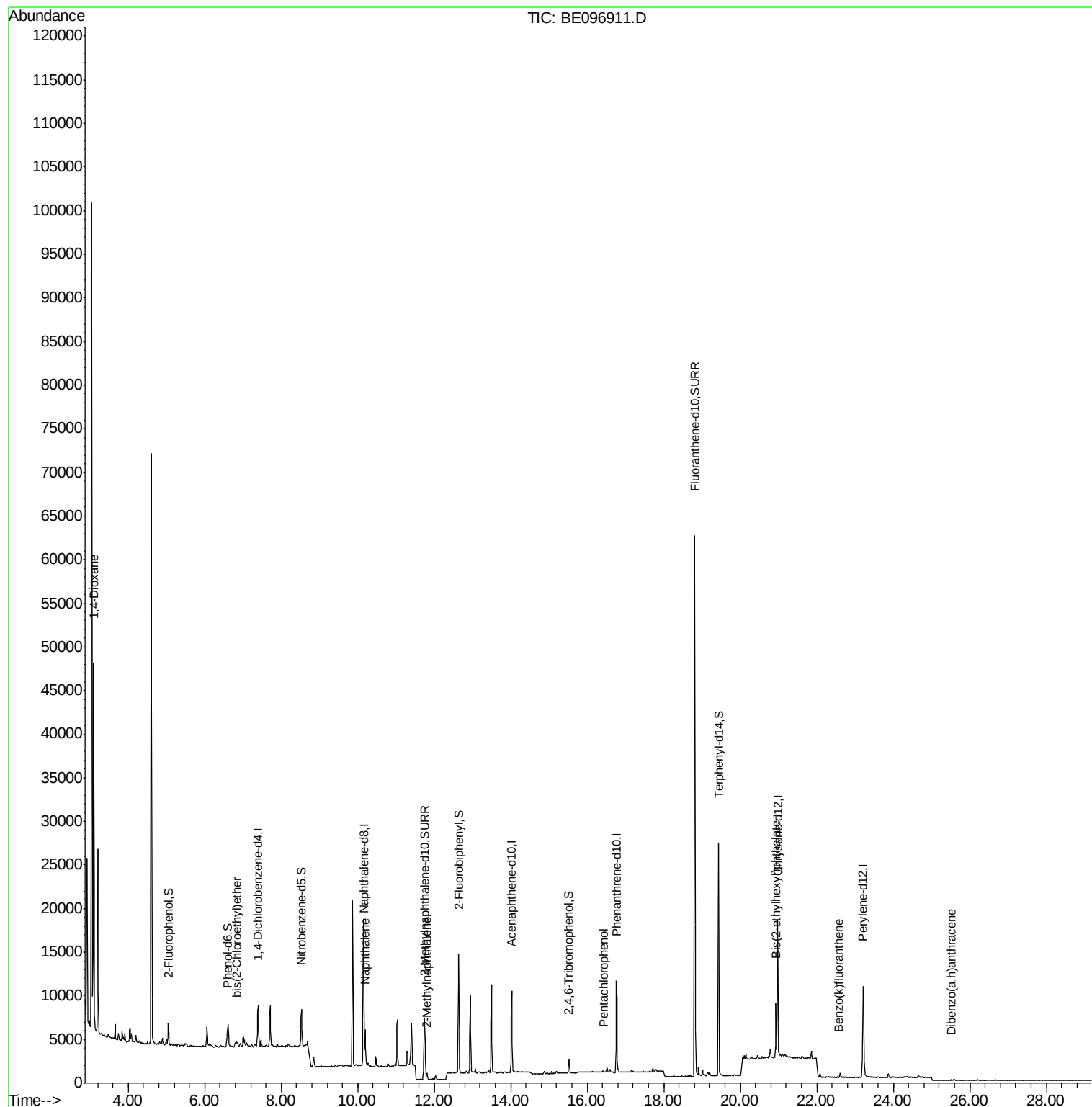
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	20832	7.078	ng	# 89
6) bis(2-Chloroethyl)ether	6.85	93	149	0.021	ng	# 84
9) Naphthalene	10.20	128	8979	0.105	ng	# 98
12) 2-Methylnaphthalene	11.81	142	537	0.038	ng	# 93
22) Pentachlorophenol	16.44	266	6	0.040	ng	# 95
32) Bis(2-ethylhexyl)phthalate	20.93	149	6594	0.221	ng	# 98
36) Benzo(k)fluoranthene	22.58	252	5	0.083	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	9	0.110	ng	# 1

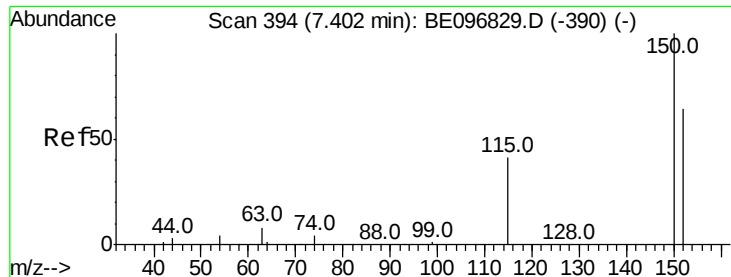
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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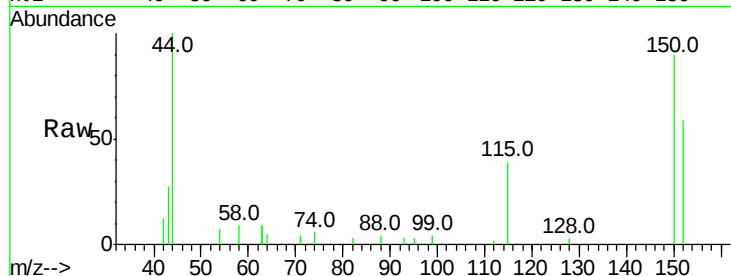


#1

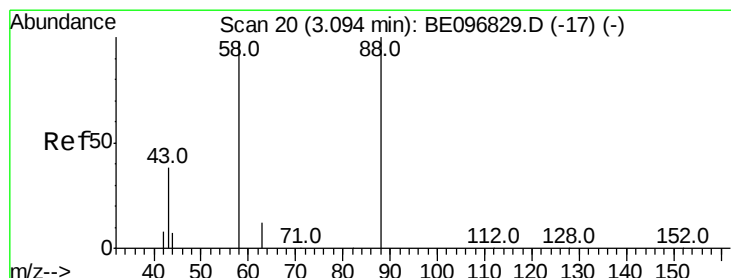
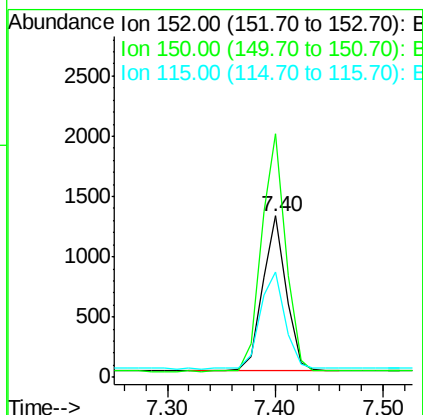
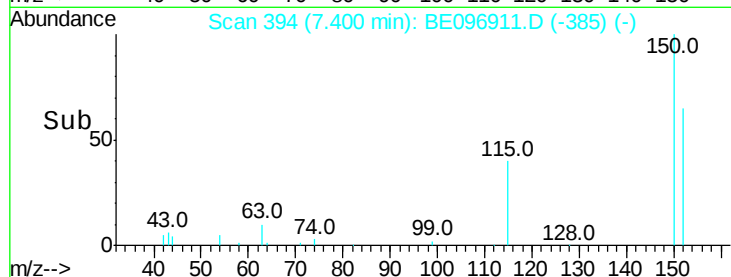
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.01 min
Lab File: BE096911.D
Acq: 13 Jul 2018 17:52

Instrument :
BNA_E
ClientSampleId :
RE125D2-071118

Tot Ion:152 Resp: 1964
Ion Ratio Lower Upper
152 100
150 150.9 117.2 175.8
115 64.9 57.0 85.6



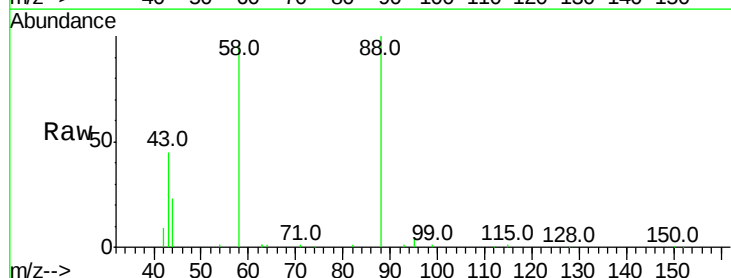
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



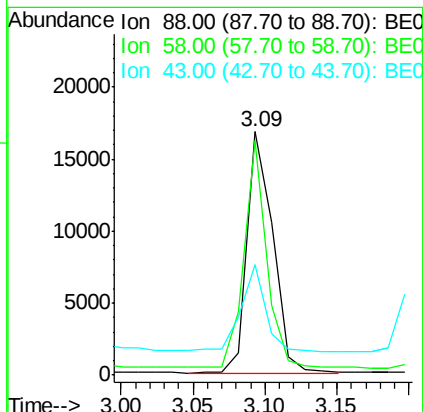
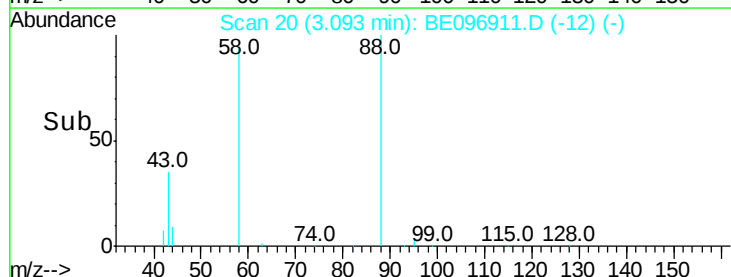
#2

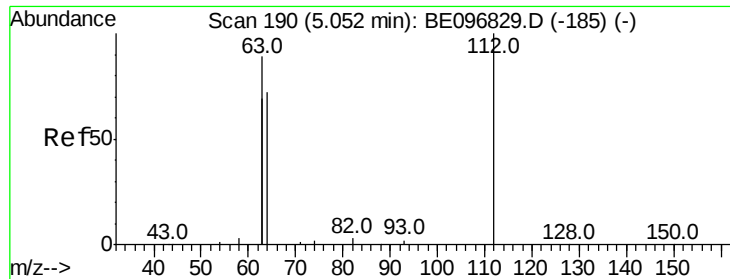
1,4-Dioxane
Concen: 7.078 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096911.D
Acq: 13 Jul 2018 17:52

Tgt Ion: 88 Resp: 20832
Ion Ratio Lower Upper
88 100
58 81.5 63.2 94.8
43 34.6 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: 0.269 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Instrument :

BNA_E

ClientSampleId :

RE125D2-071118

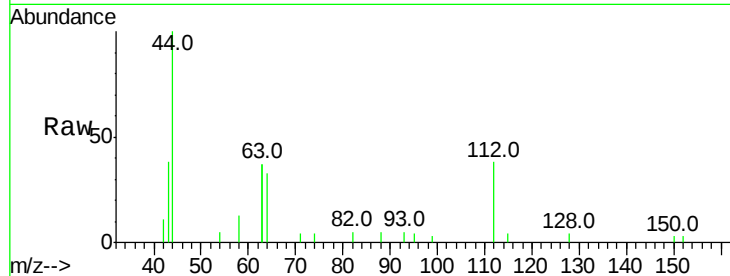
Tot Ion:112 Resp: 1180

Ion Ratio Lower Upper

112 100

64 65.2 60.1 90.1

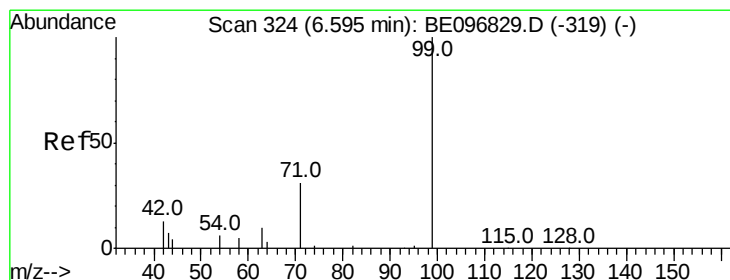
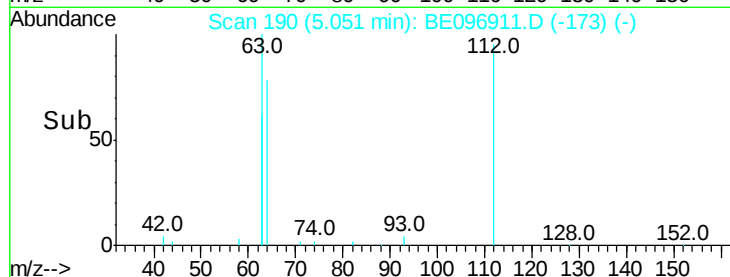
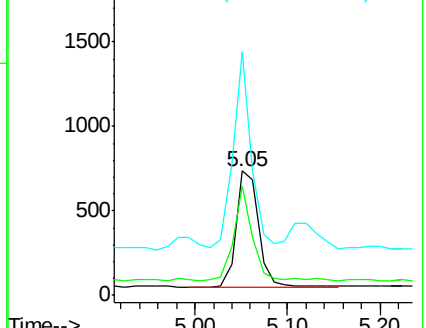
63 135.4 116.8 175.2



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: 0.153 ng

RT: 6.59 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

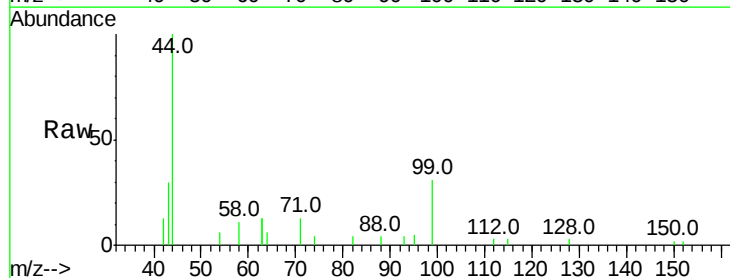
Tgt Ion: 99 Resp: 1003

Ion Ratio Lower Upper

99 100

42 32.7 20.2 30.2#

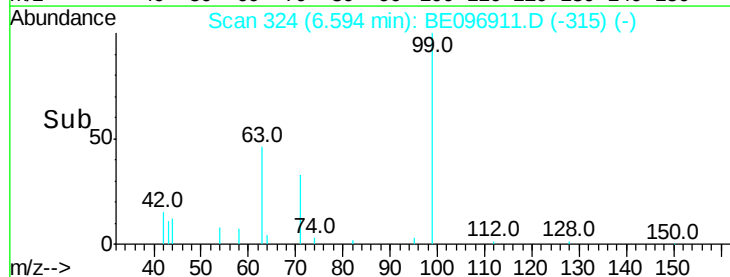
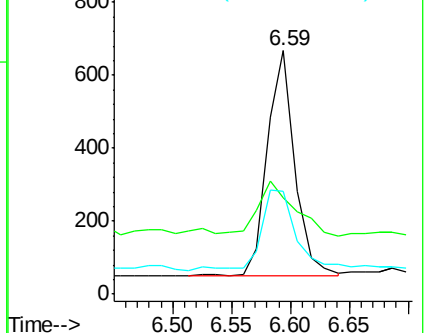
71 46.4 28.4 42.6#

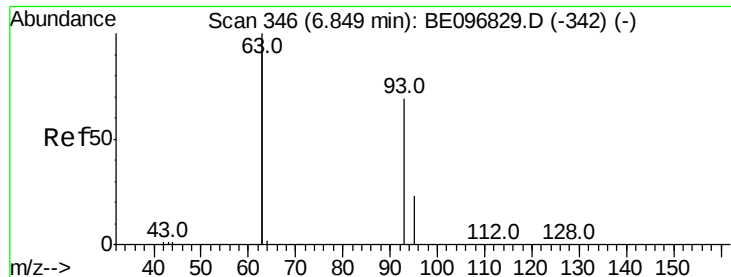


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.021 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Instrument :

BNA_E

ClientSampleId :

RE125D2-071118

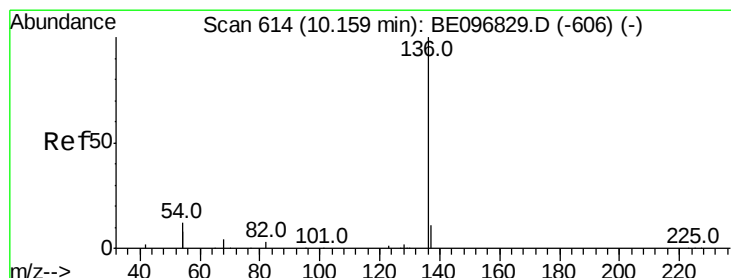
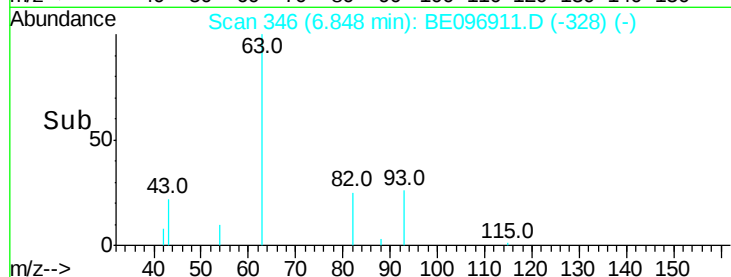
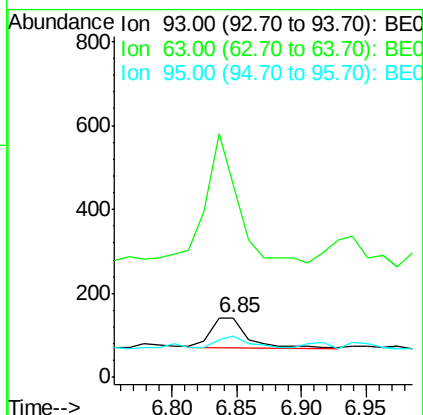
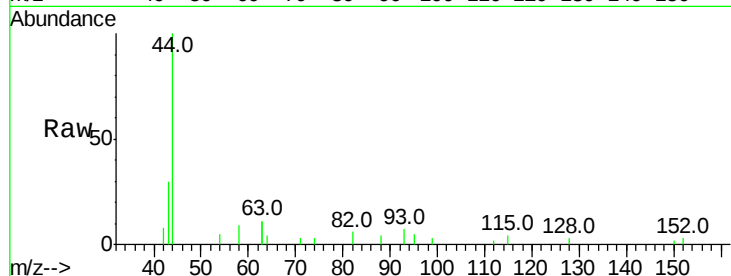
Tot Ion: 93 Resp: 149

Ion Ratio Lower Upper

93 100

63 381.2 275.3 412.9

95 32.2 25.2 37.8



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. 0.01 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Tgt Ion: 136 Resp: 9427

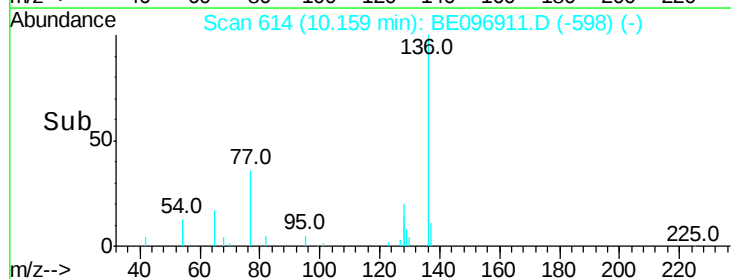
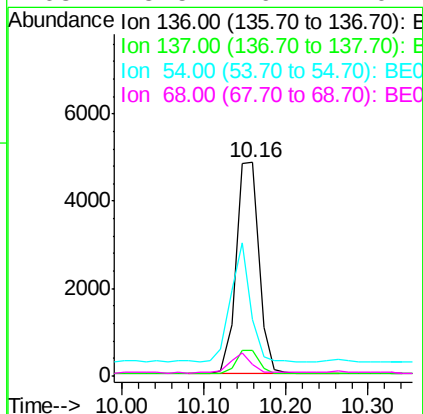
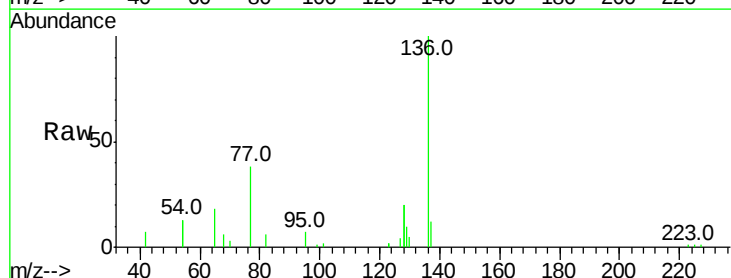
Ion Ratio Lower Upper

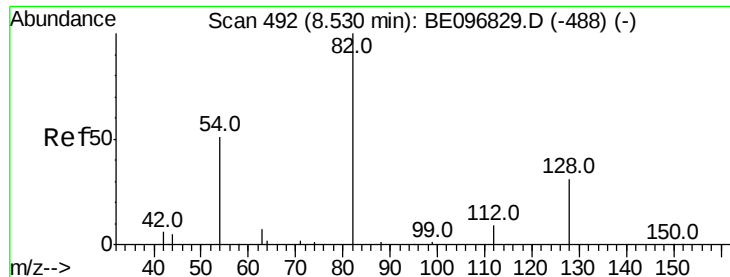
136 100

137 11.8 9.5 14.3

54 26.1 29.1 43.7#

68 5.5 6.2 9.2#





#8

Nitrobenzene-d5

Concen: 0.640 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Instrument :

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ClientSampleId :

RE125D2-071118

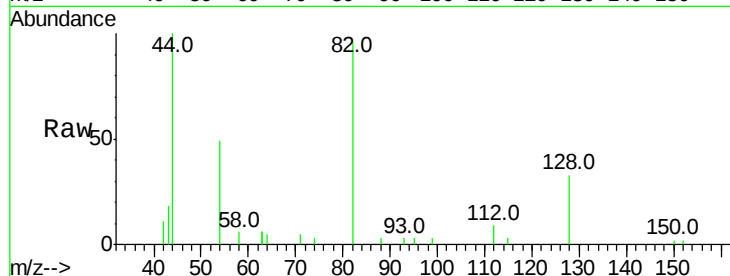
Tot Ion: 82 Resp: 3655

Ion Ratio Lower Upper

82 100

128 34.5 24.0 36.0

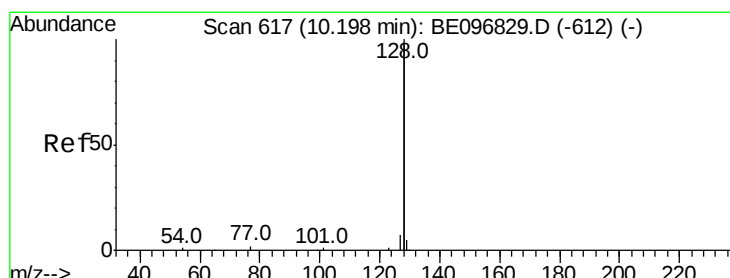
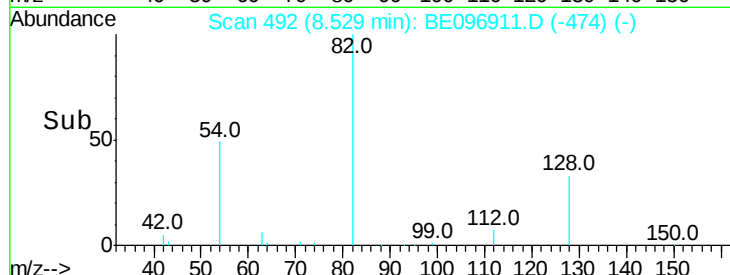
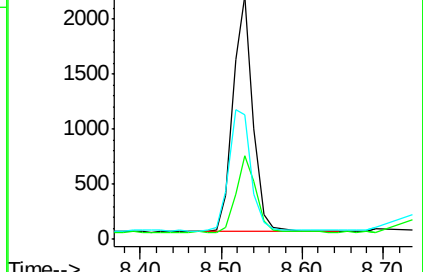
54 51.0 40.0 60.0



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



#9

Naphthalene

Concen: 0.105 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

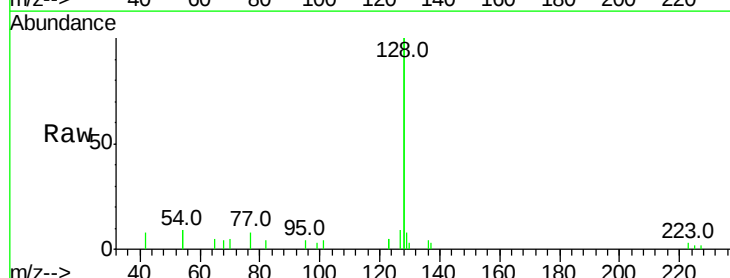
Tgt Ion:128 Resp: 8979

Ion Ratio Lower Upper

128 100

129 4.0 2.6 3.8#

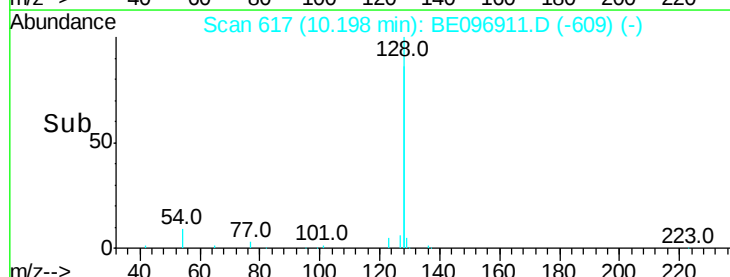
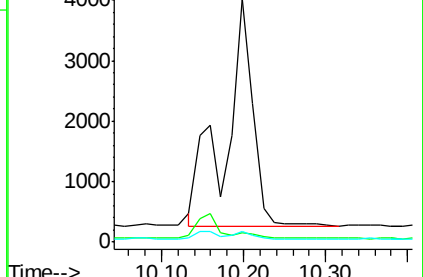
127 4.3 2.8 4.2#

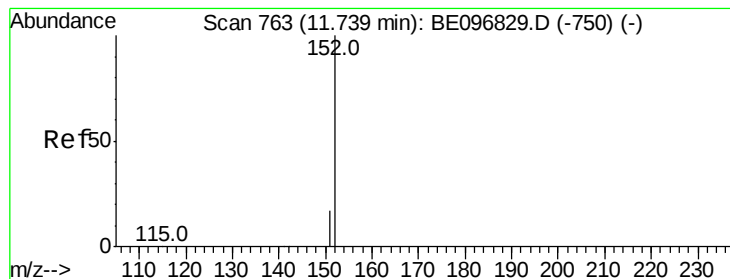


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.568 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Instrument :

BNA_E

ClientSampleId :

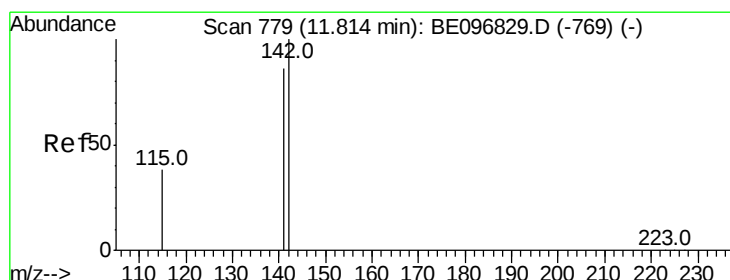
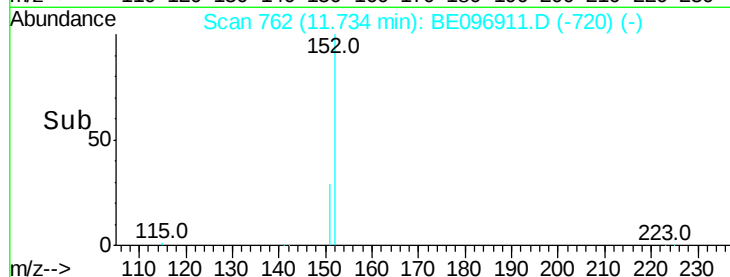
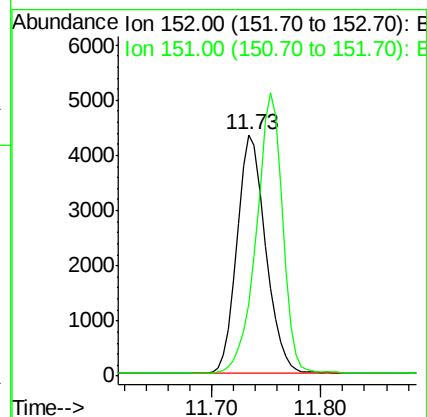
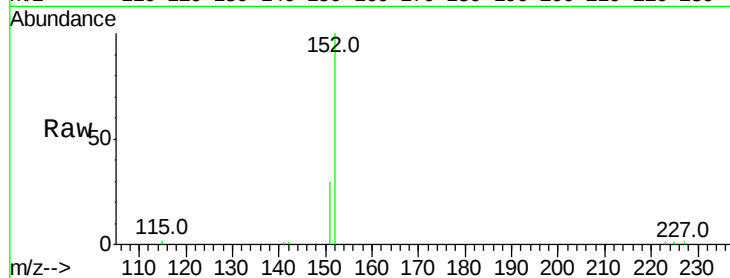
RE125D2-071118

Tot Ion:152 Resp: 7711

Ion Ratio Lower Upper

152 100

151 108.6 15.4 23.0#



#12

2-Methylnaphthalene

Concen: 0.038 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

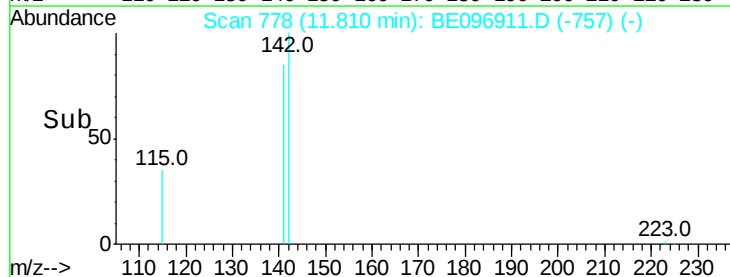
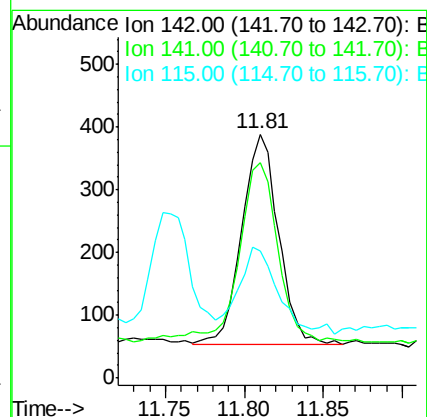
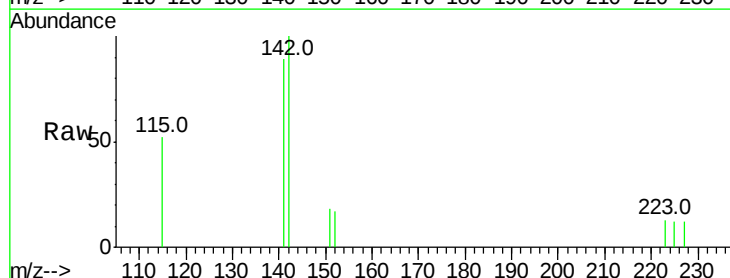
Tgt Ion:142 Resp: 537

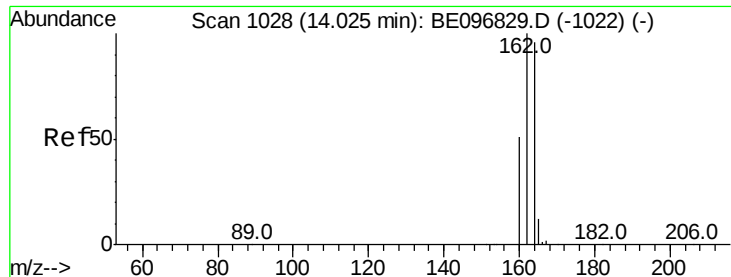
Ion Ratio Lower Upper

142 100

141 88.7 70.4 105.6

115 52.3 31.7 47.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.02 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

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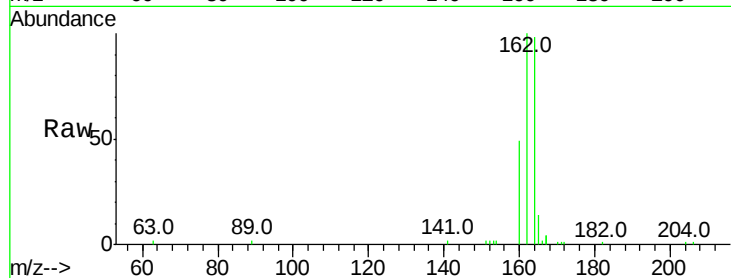
Tot Ion:164 Resp: 5195

Ion Ratio Lower Upper

164 100

162 102.0 83.1 124.7

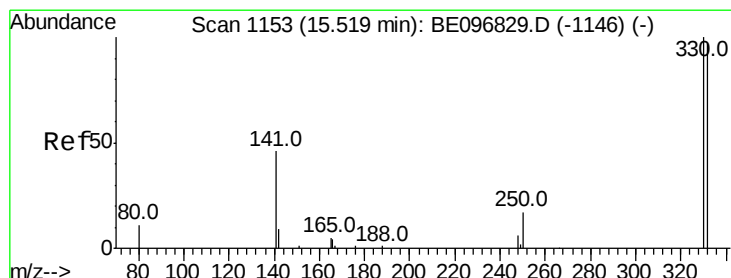
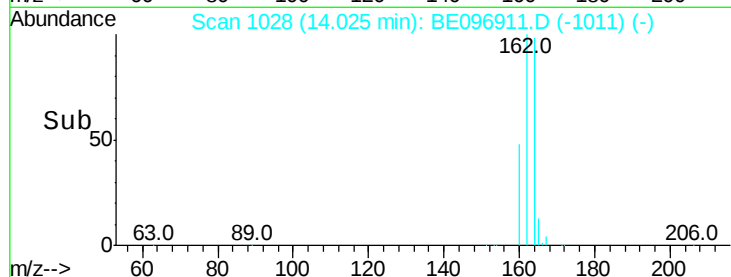
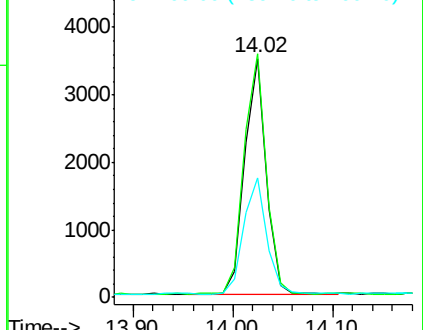
160 49.9 37.1 55.7



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: 0.647 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

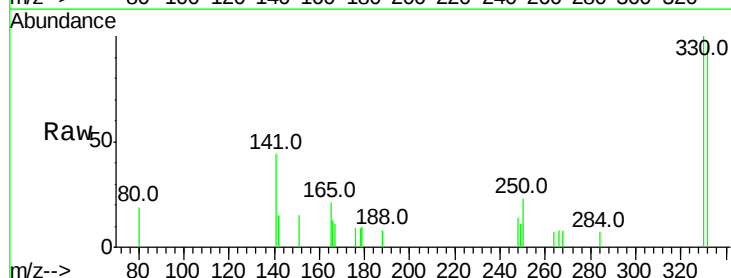
Tgt Ion:330 Resp: 880

Ion Ratio Lower Upper

330 100

332 100.7 152.7 229.1#

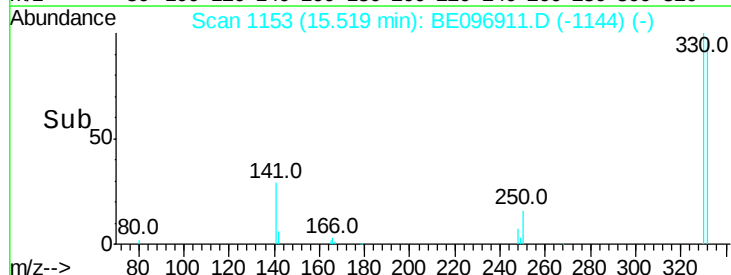
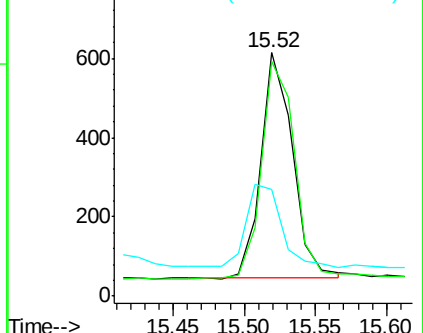
141 40.5 33.7 50.5

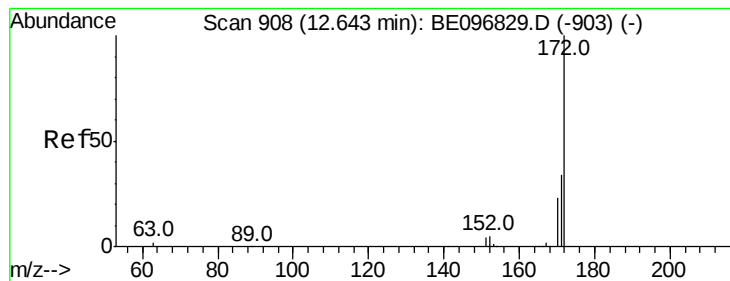


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.626 ng

RT: 12.64 min Scan# 908

Delta R.T. -0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Instrument :

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ClientSampleId :

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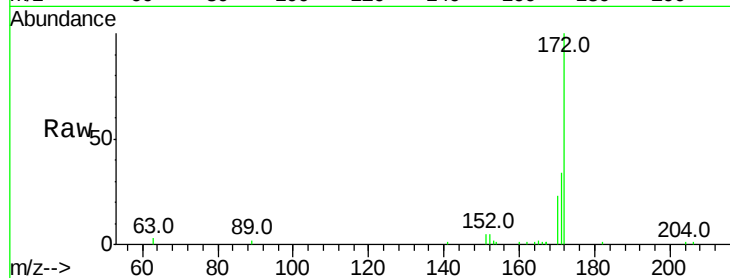
Tot Ion:172 Resp: 11901

Ion Ratio Lower Upper

172 100

171 33.9 29.9 44.9

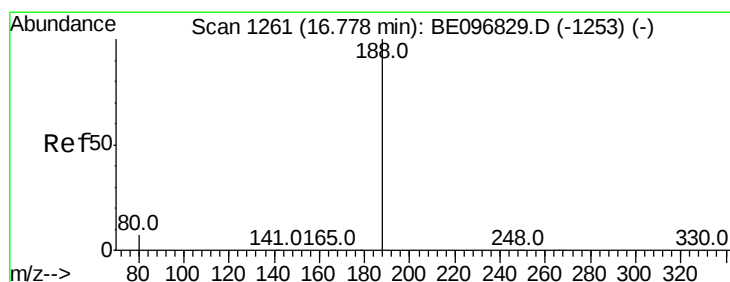
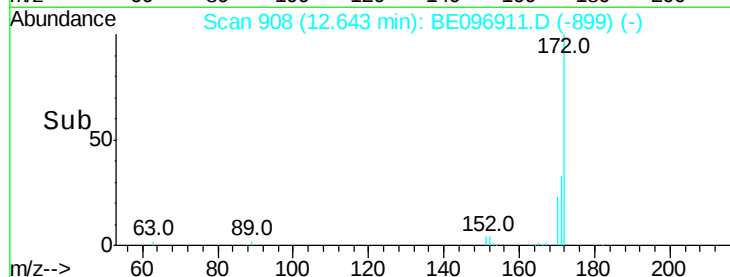
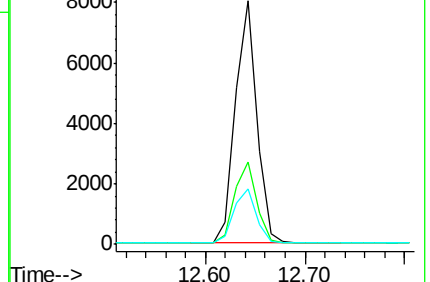
170 23.0 21.8 32.8



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

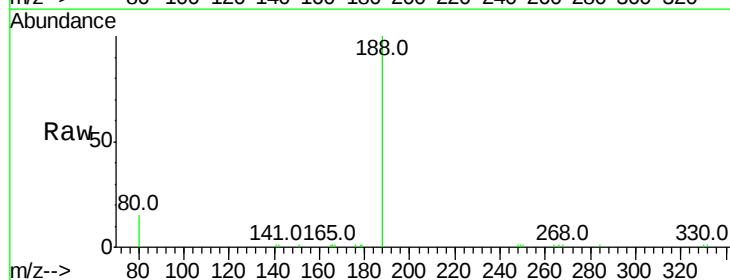
Tgt Ion:188 Resp: 14552

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

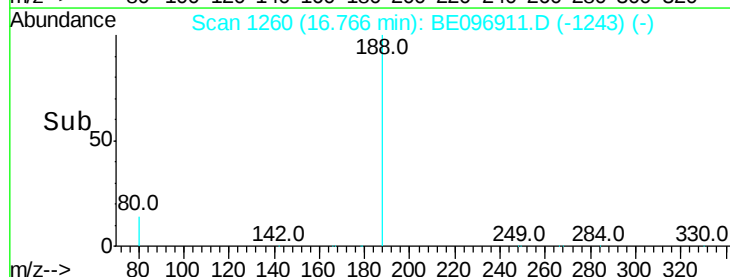
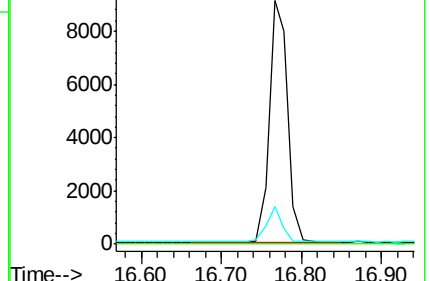
80 15.3 3.6 5.4#

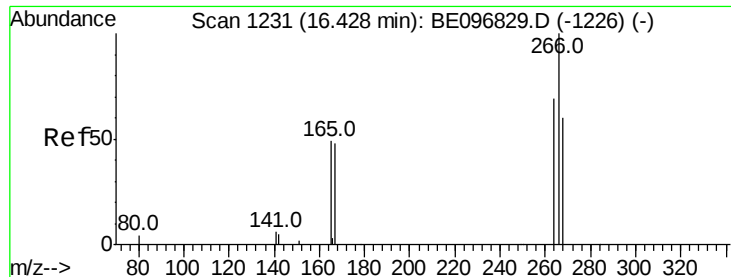


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.040 ng

RT: 16.44 min Scan# 1232

Delta R.T. 0.01 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Instrument :

BNA_E

ClientSampleId :

RE125D2-071118

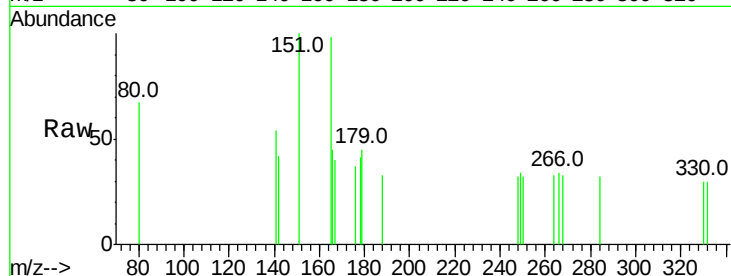
Tot Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 96.2 72.5 108.7

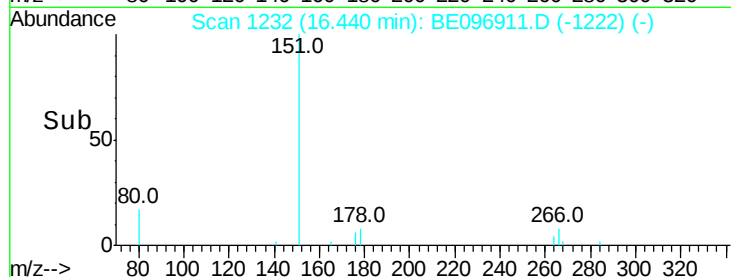
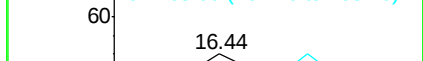
268 96.2 73.8 110.6



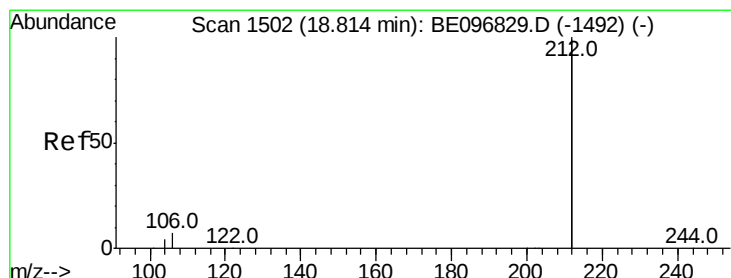
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time--> 16.40 16.45 16.50



#25

Fluoranthene-d10

Concen: 0.620 ng

RT: 18.81 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

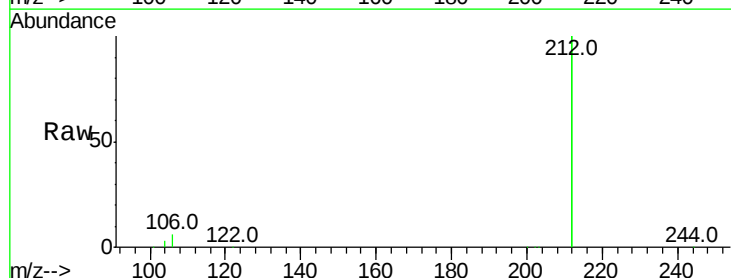
Tgt Ion:212 Resp: 79395

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

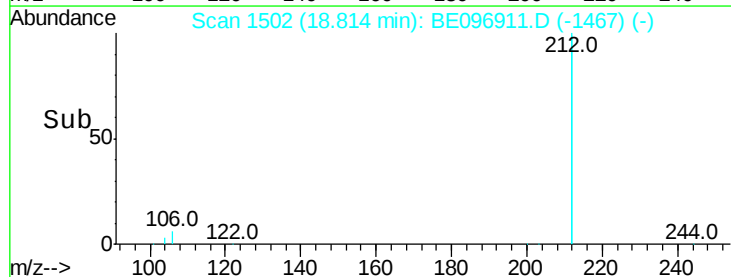
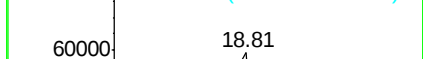
104 2.0 1.6 2.4



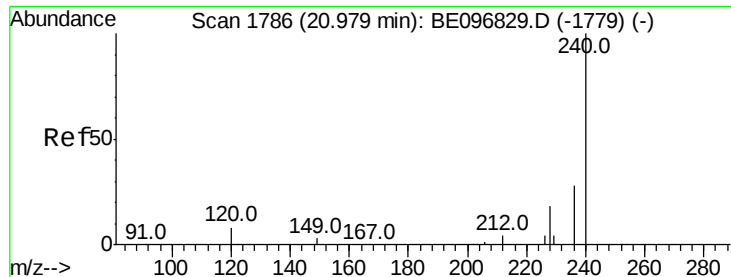
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time--> 18.80 18.90



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Instrument :

BNA_E

ClientSampleId :

RE125D2-071118

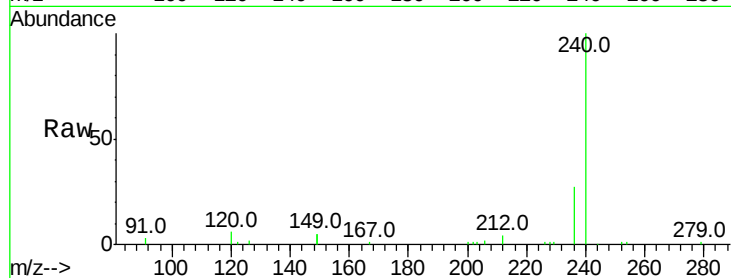
Tot Ion:240 Resp: 15062

Ion Ratio Lower Upper

240 100

120 6.3 5.5 8.3

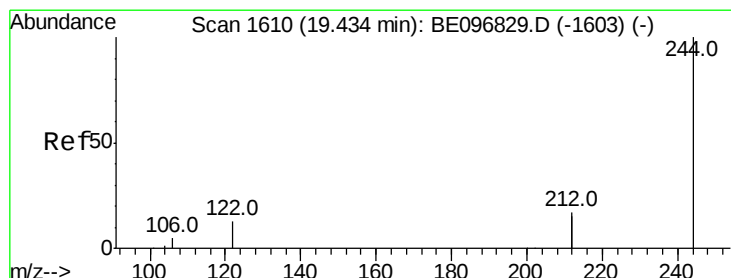
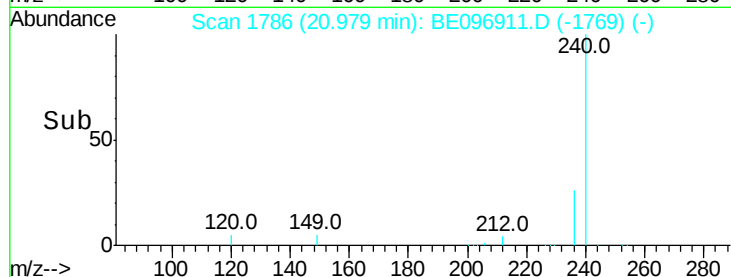
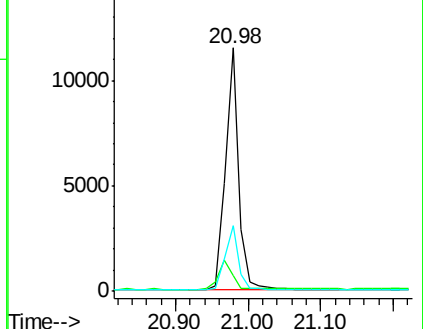
236 26.9 20.7 31.1



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: 0.777 ng

RT: 19.43 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

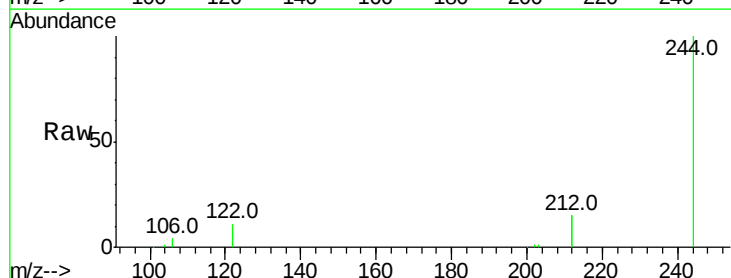
Tgt Ion:244 Resp: 22578

Ion Ratio Lower Upper

244 100

212 30.8 25.4 38.0

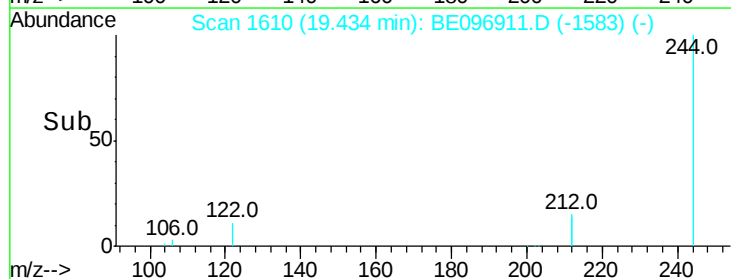
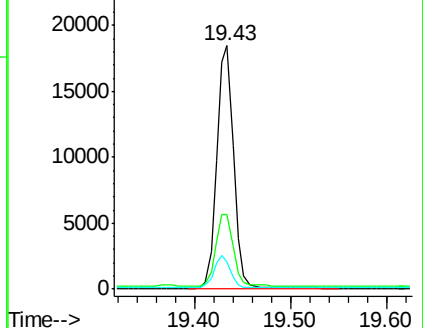
122 11.0 8.1 12.1

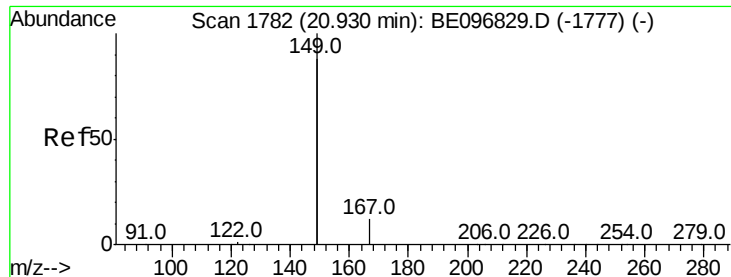


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

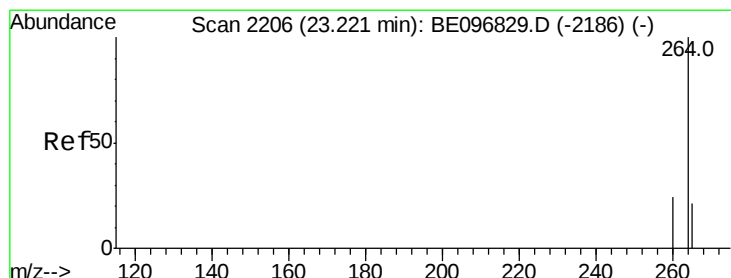
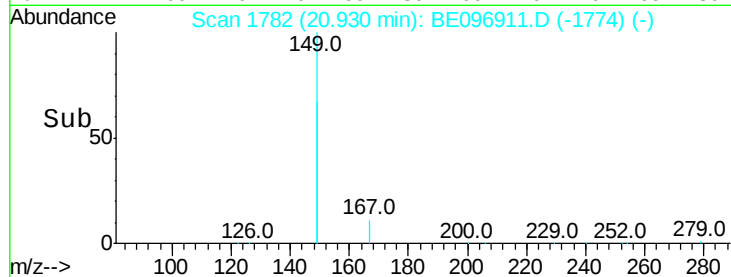
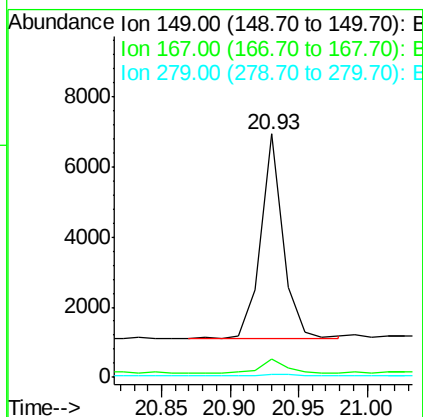
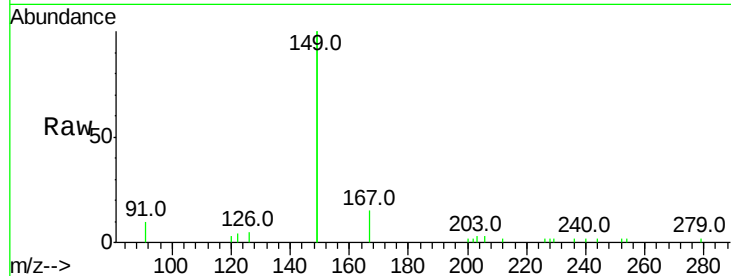




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.221 ng
 RT: 20.93 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: BE096911.D
 Acq: 13 Jul 2018 17:52

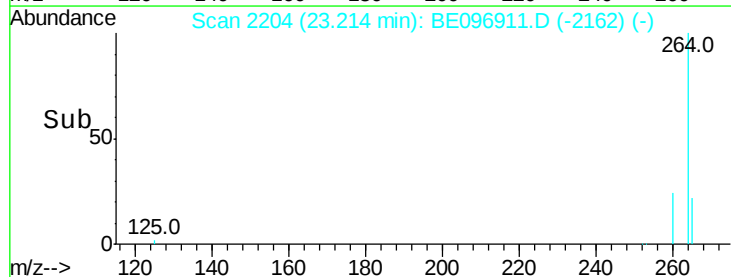
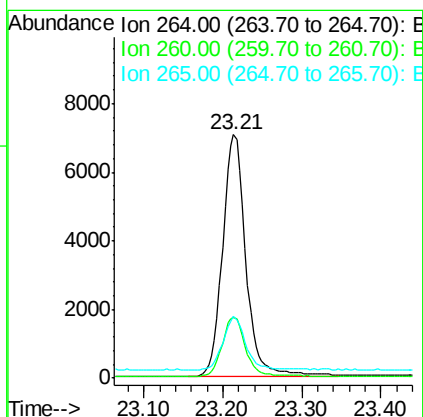
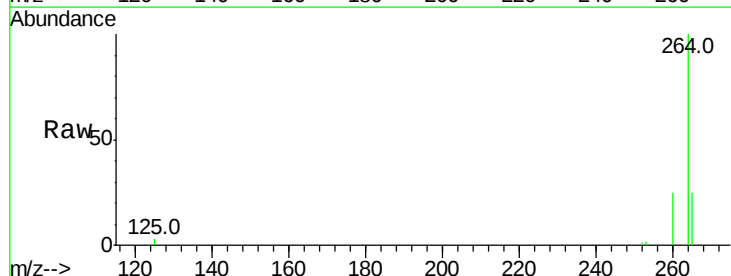
Instrument :
 BNA_E
 ClientSampleId :
 RE125D2-071118

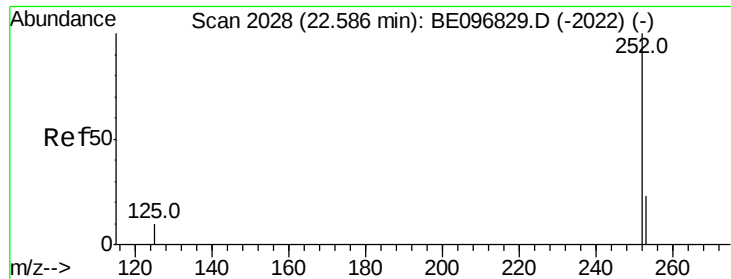
Tot Ion:149 Resp: 6594
 Ion Ratio Lower Upper
 149 100
 167 7.3 5.4 8.0
 279 1.1 0.7 1.1



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: BE096911.D
 Acq: 13 Jul 2018 17:52

Tgt Ion:264 Resp: 14428
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.5 30.7
 265 25.3 22.8 34.2





#36

Benzo(k)fluoranthene

Concen: 0.083 ng

RT: 22.58 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

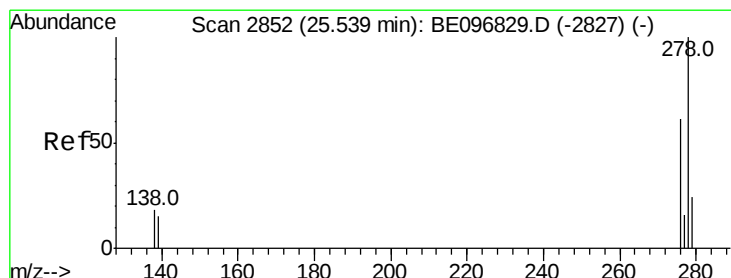
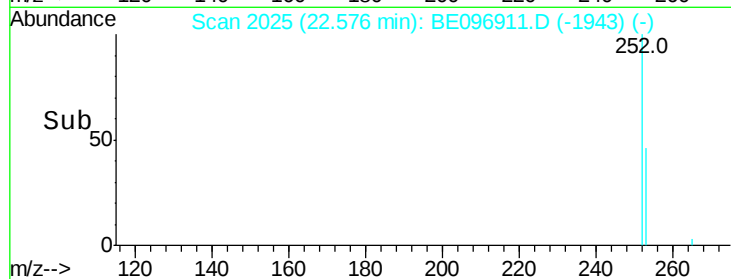
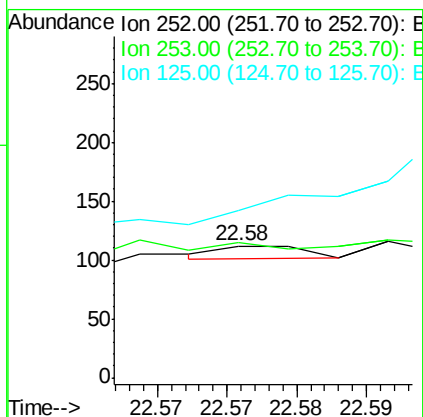
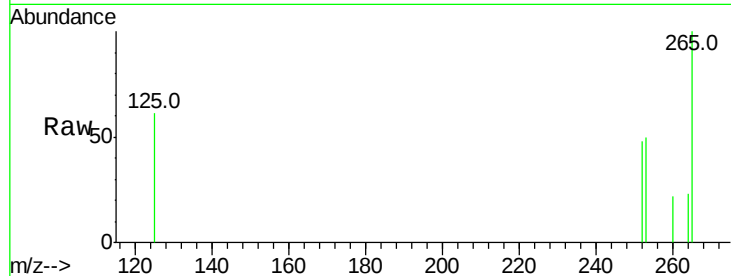
Instrument :

BNA_E

ClientSampleId :

RE125D2-071118

Tot Ion:	252	Resp:	5
Ion	Ratio	Lower	Upper
252	100		
253	102.7	16.0	24.0#
125	126.8	8.0	12.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.110 ng

RT: 25.52 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BE096911.D

Acq: 13 Jul 2018 17:52

Tgt Ion:	278	Resp:	9
Ion	Ratio	Lower	Upper
278	100		
139	118.3	16.0	24.0#
279	110.0	20.0	30.0#

