

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103747.D
 Acq On : 19 Mar 2018 10:49
 Operator : JU/SJ
 Sample : J1929-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-PIT-3

Quant Time: Mar 19 11:40:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 19 10:47:21 2018
 Response via : Initial Calibration

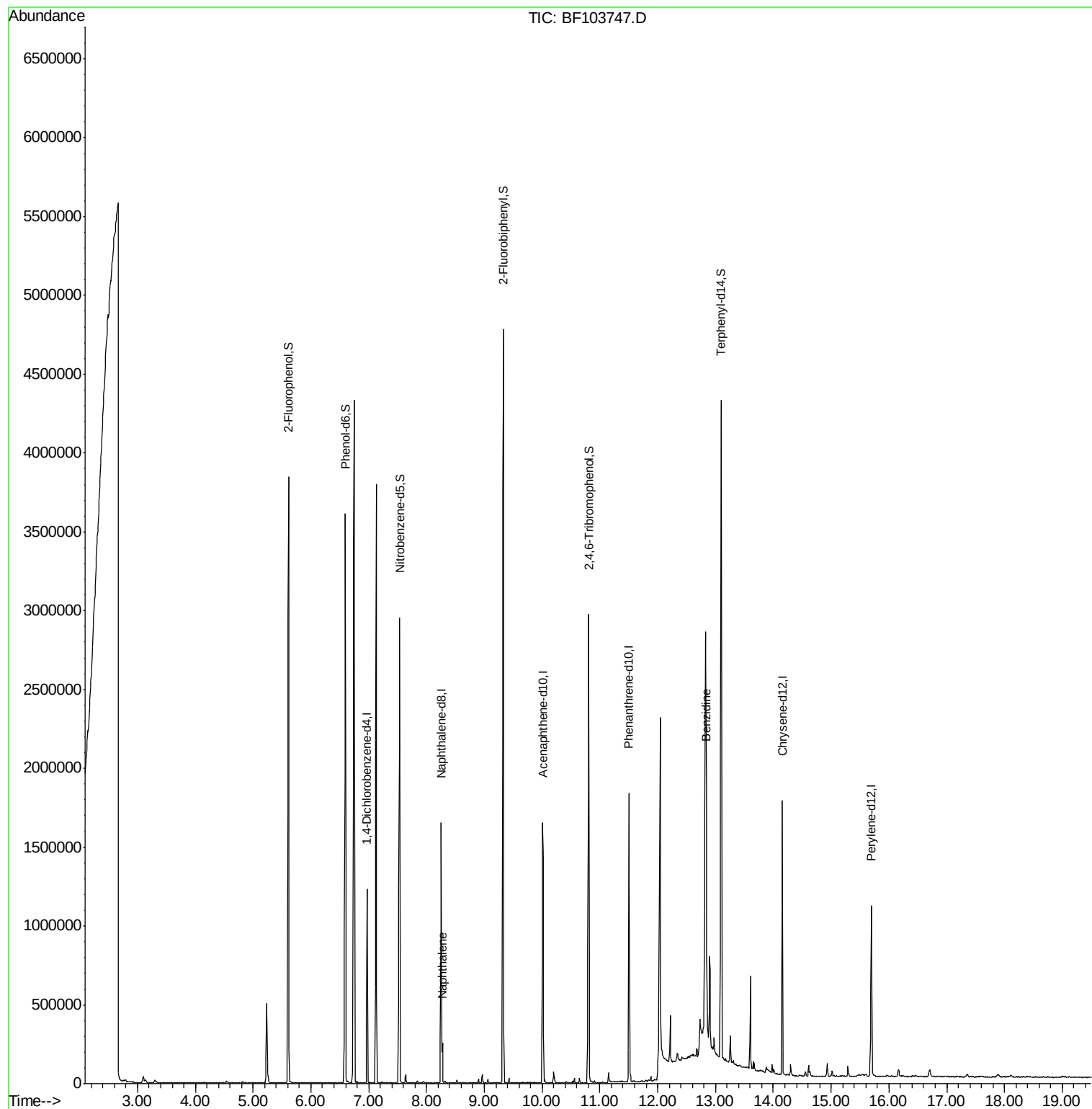
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	174685	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	721683	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	341162	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	620761	20.00	ng	0.00
75) Chrysene-d12	14.16	240	545752	20.00	ng	0.00
86) Perylene-d12	15.70	264	477764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1359209	118.35	ng	0.02
7) Phenol-d6	6.60	99	1512738	107.66	ng	0.00
23) Nitrobenzene-d5	7.53	82	1148520	110.98	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	458237	156.22	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1921713	89.85	ng	0.00
78) Terphenyl-d14	13.10	244	1895779	80.63	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	112614	3.089	ng	97
76) Benzidine	12.84	184	515598	22.151	ng	99

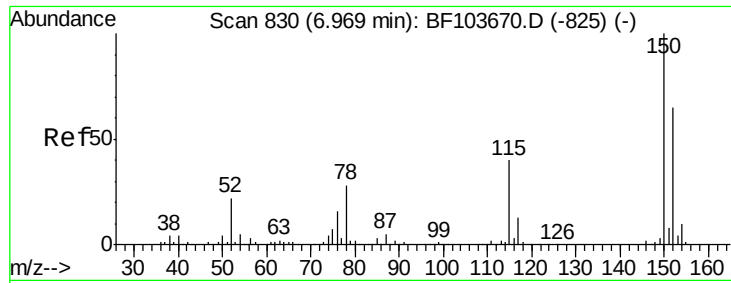
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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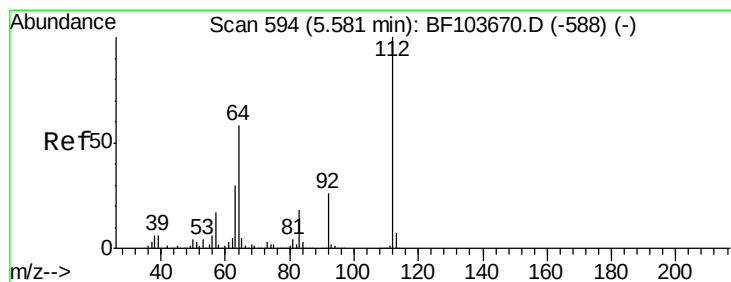
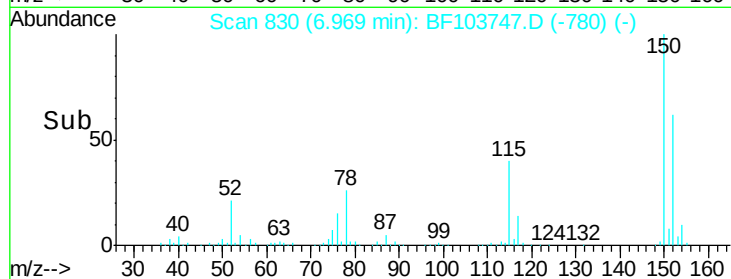
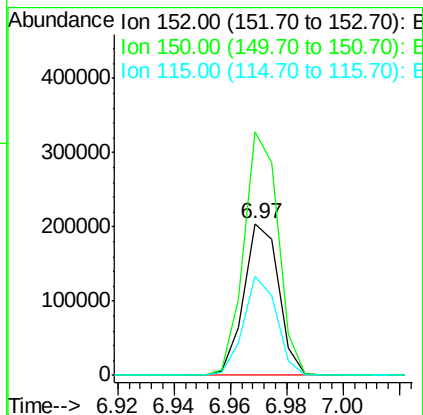
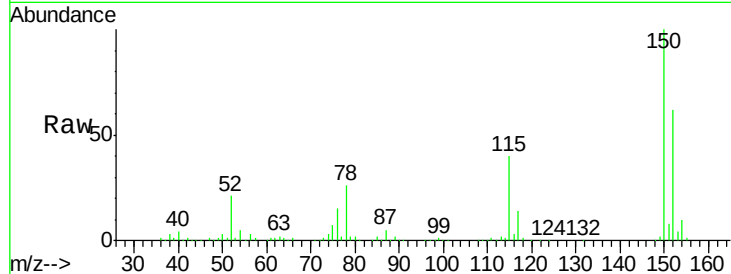


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF103747.D
 Acq: 19 Mar 2018 10:49

Instrument :
 BNA_F
 ClientSampleId :
 LS-PIT-3

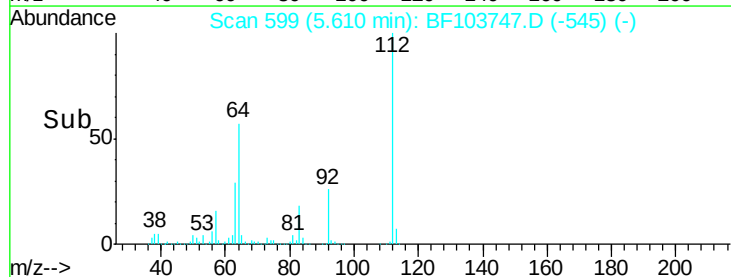
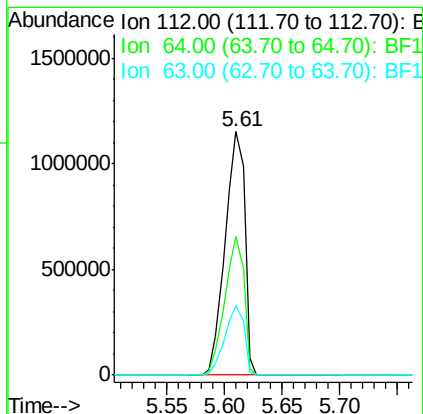
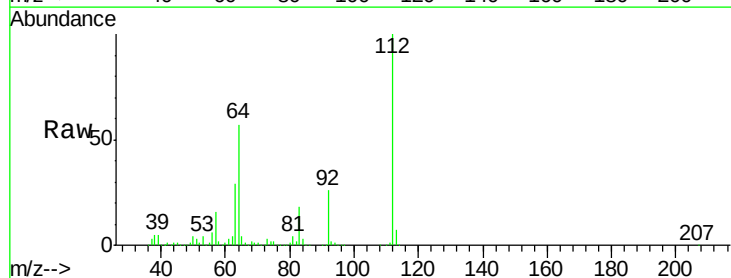
Tot Ion:152 Resp: 174685
 Ion Ratio Lower Upper
 152 100
 150 160.4 124.6 186.8
 115 64.9 50.1 75.1

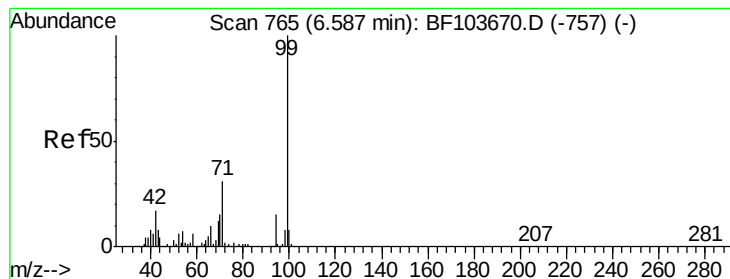


#5

2-Fluorophenol
 Concen: 118.347 ng
 RT: 5.61 min Scan# 599
 Delta R.T. 0.02 min
 Lab File: BF103747.D
 Acq: 19 Mar 2018 10:49

Tgt Ion:112 Resp: 1359209
 Ion Ratio Lower Upper
 112 100
 64 56.8 47.9 71.9
 63 28.8 23.7 35.5





#7

Phenol-d6

Concen: 107.661 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103747.D

Acq: 19 Mar 2018 10:49

Instrument :

BNA_F

ClientSampleId :

LS-PIT-3

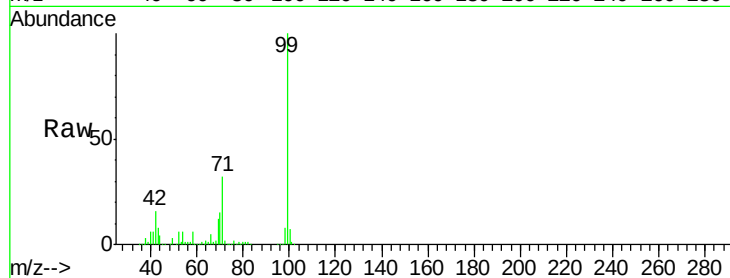
Tot Ion: 99 Resp: 1512738

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

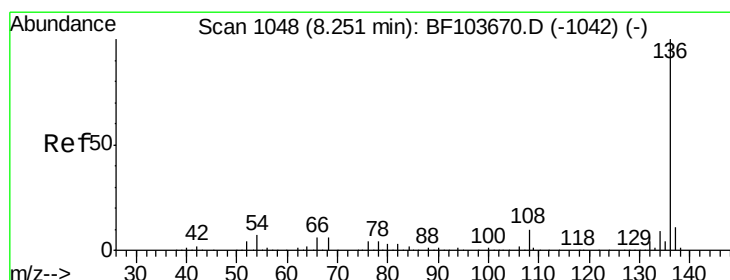
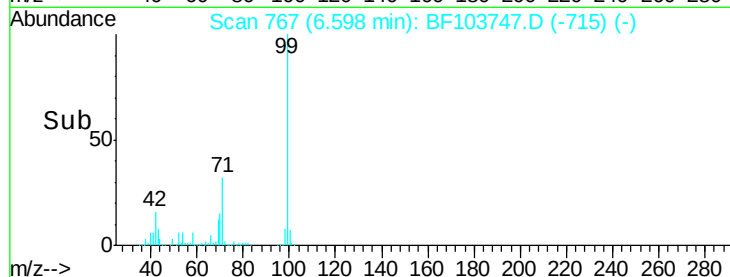
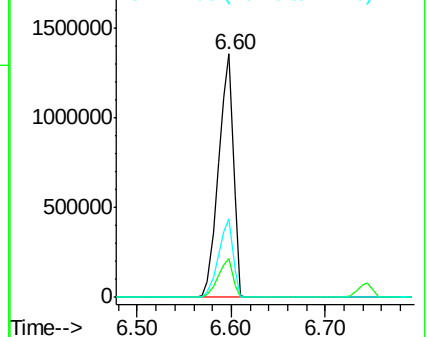
71 32.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF103747.D

Acq: 19 Mar 2018 10:49

Tgt Ion: 136 Resp: 721683

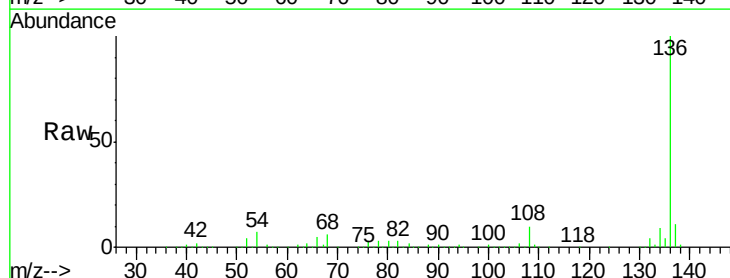
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.1 6.6 9.8

68 6.4 5.0 7.4

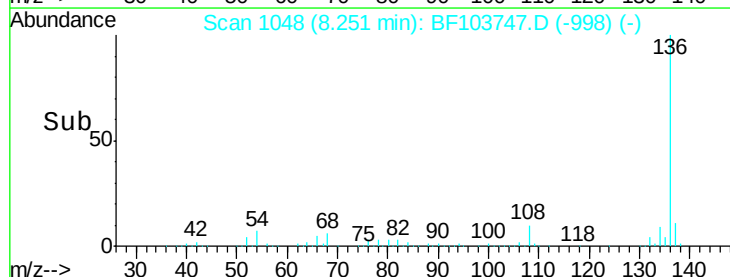
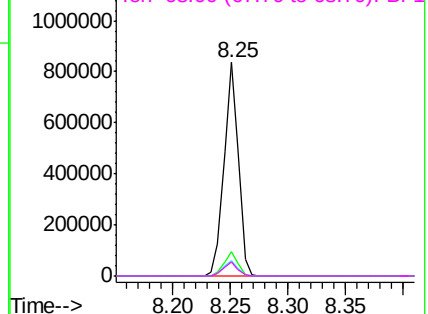


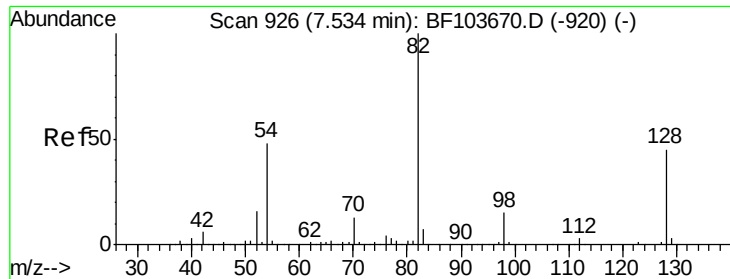
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 110.981 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF103747.D

Acq: 19 Mar 2018 10:49

Instrument :

BNA_F

ClientSampleId :

LS-PIT-3

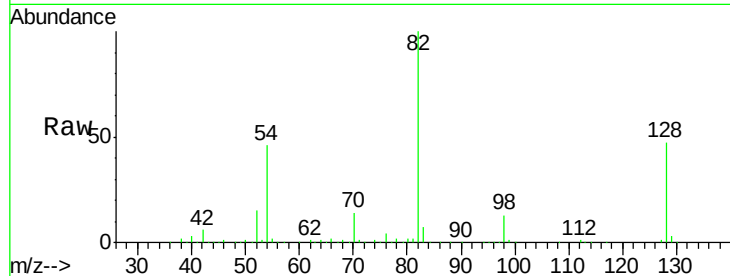
Tot Ion: 82 Resp: 1148520

Ion Ratio Lower Upper

82 100

128 46.7 36.1 54.1

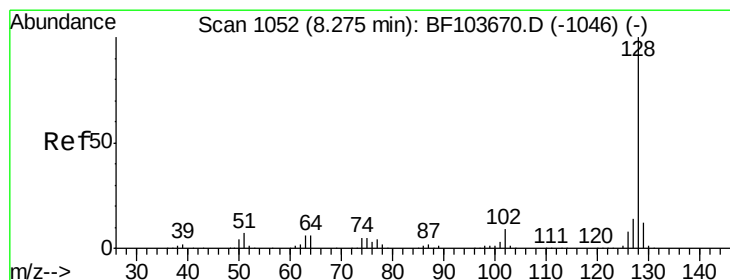
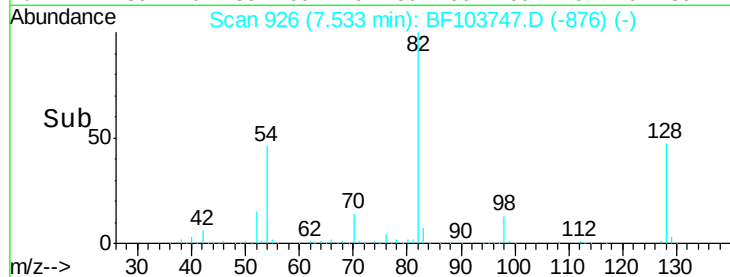
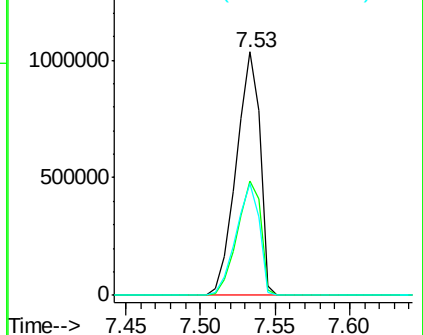
54 45.9 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31

Naphthalene

Concen: 3.089 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF103747.D

Acq: 19 Mar 2018 10:49

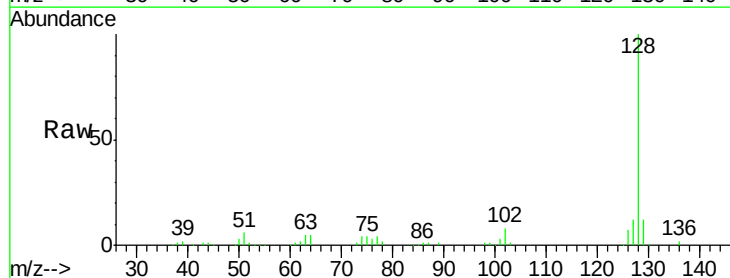
Tgt Ion: 128 Resp: 112614

Ion Ratio Lower Upper

128 100

129 11.8 8.8 13.2

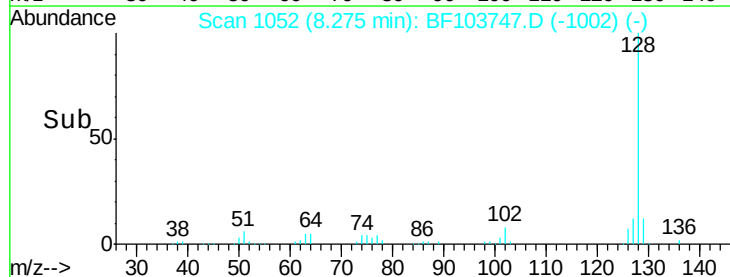
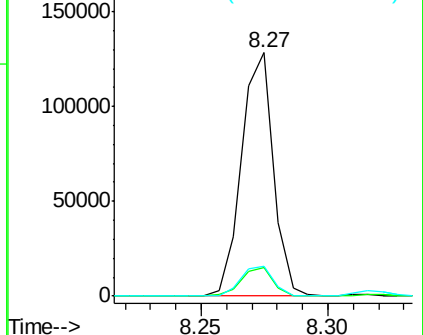
127 12.4 10.9 16.3

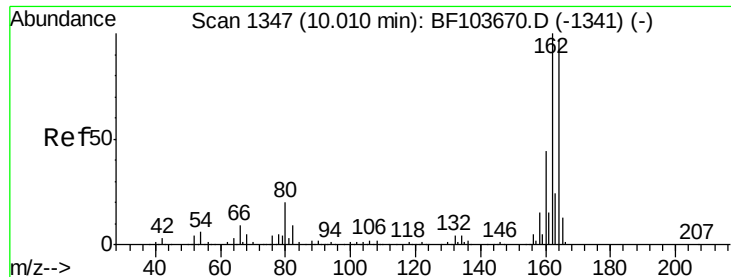


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF103747.D

Acq: 19 Mar 2018 10:49

Instrument :

BNA_F

ClientSampled :

LS-PIT-3

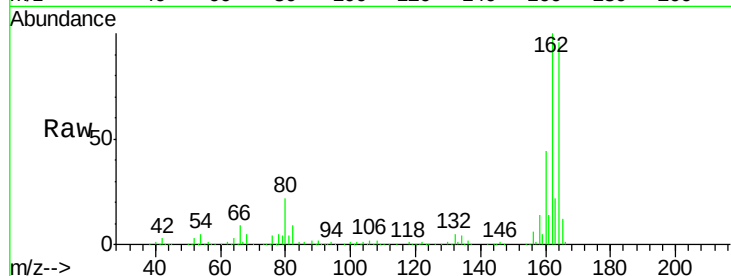
Tot Ion:164 Resp: 341162

Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

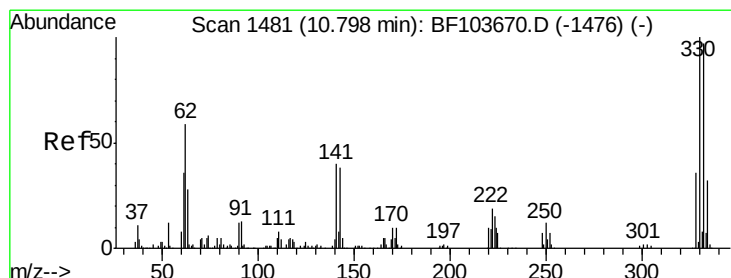
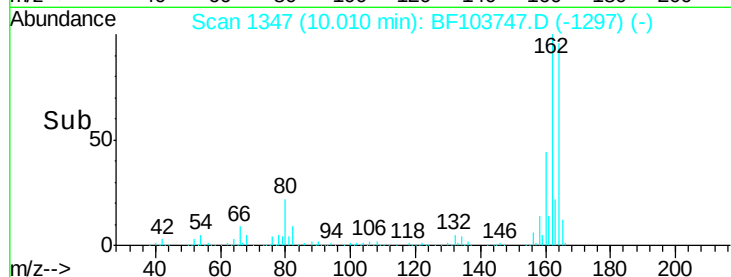
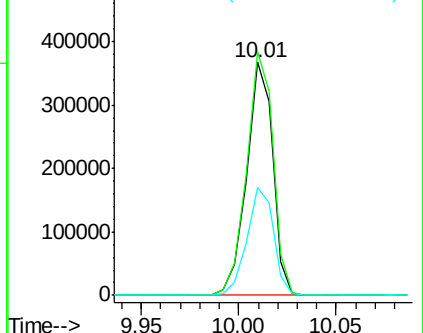
160 46.4 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 156.217 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BF103747.D

Acq: 19 Mar 2018 10:49

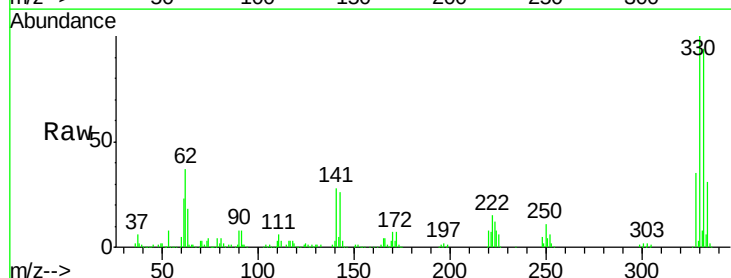
Tgt Ion:330 Resp: 458237

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

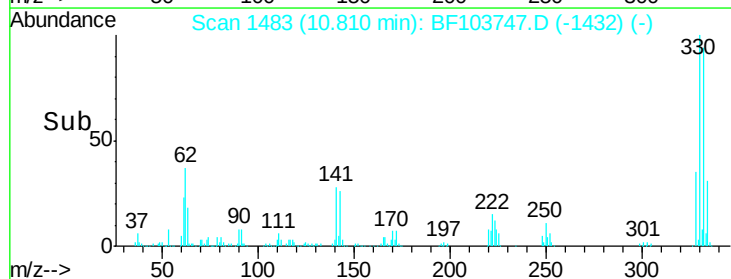
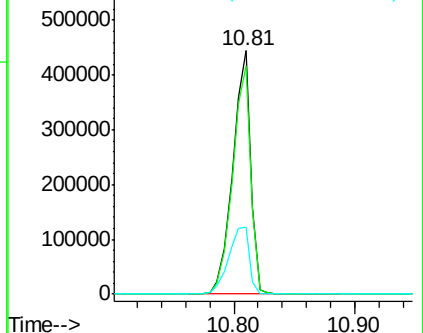
141 32.1 29.9 44.9

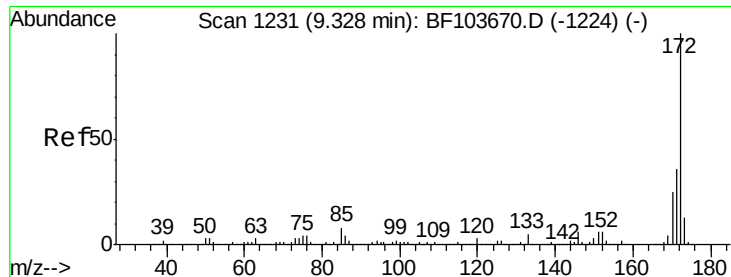


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



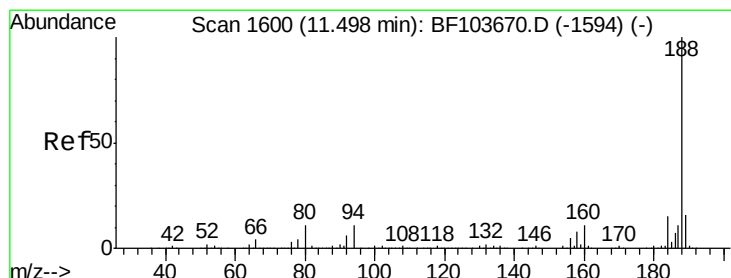
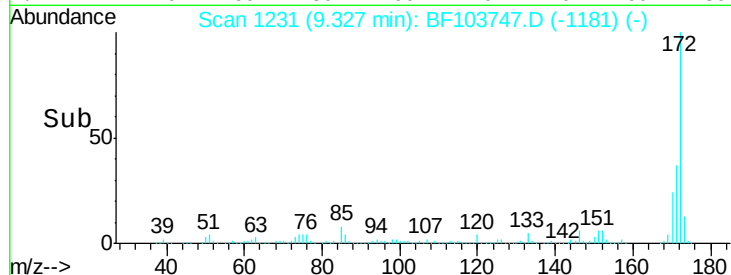
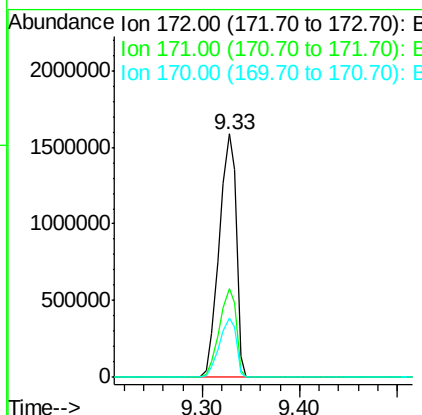
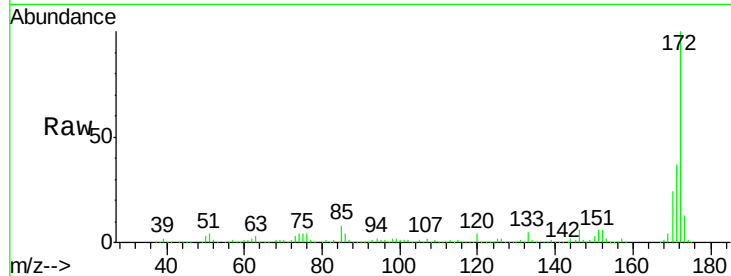


#44
 2-Fluorobiphenyl
 Concen: 89.852 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103747.D
 Acq: 19 Mar 2018 10:49

Instrument :
 BNA_F
 ClientSampleId :
 LS-PIT-3

Tot Ion:172 Resp: 1921713

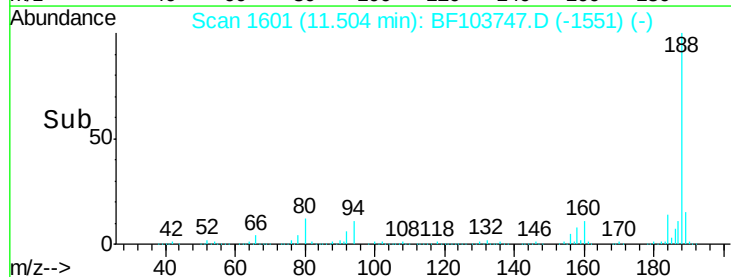
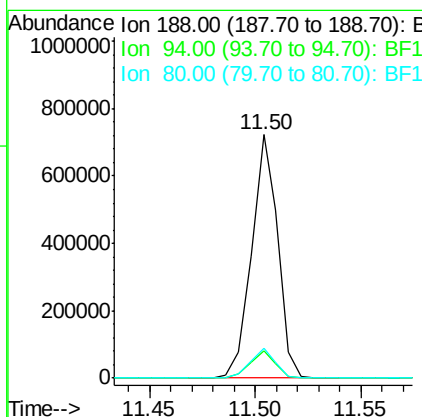
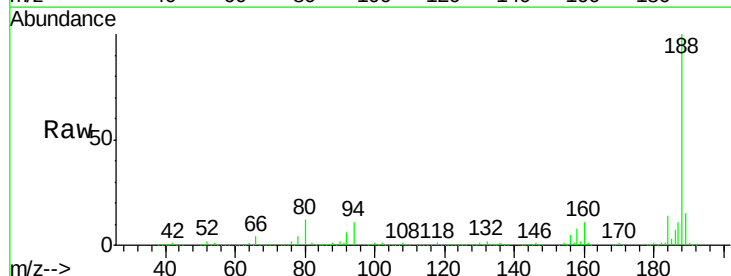
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.3	19.6	29.4

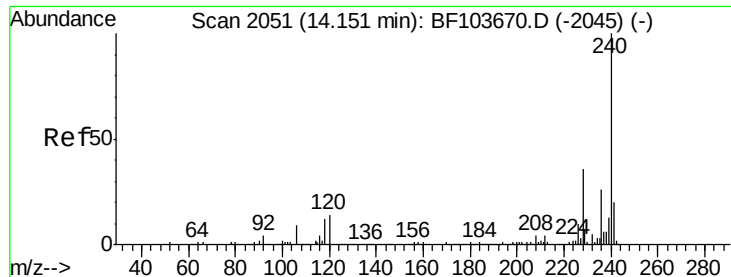


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103747.D
 Acq: 19 Mar 2018 10:49

Tgt Ion:188 Resp: 620761

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.2	9.2	13.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF103747.D

Acq: 19 Mar 2018 10:49

Instrument :

BNA_F

ClientSampleId :

LS-PIT-3

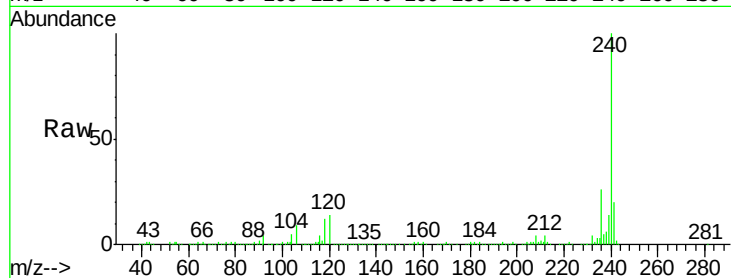
Tot Ion:240 Resp: 545752

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

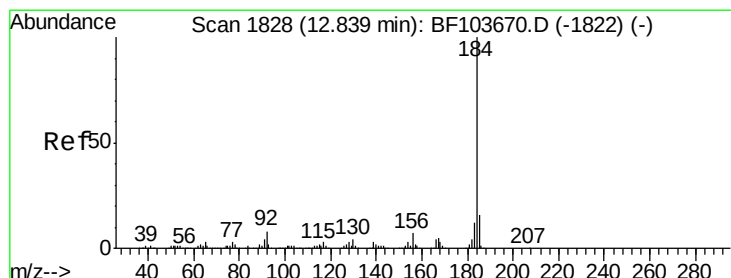
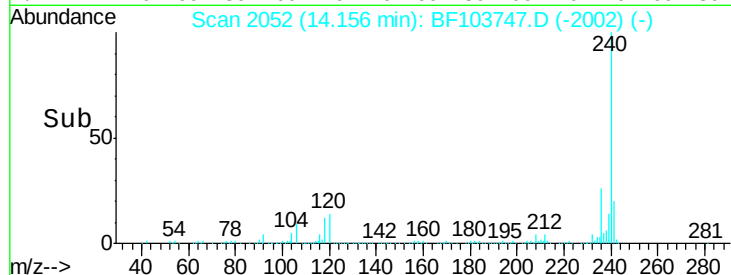
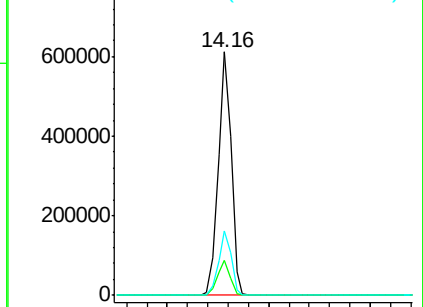
236 26.2 20.7 31.1



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



#76

Benzidine

Concen: 22.151 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BF103747.D

Acq: 19 Mar 2018 10:49

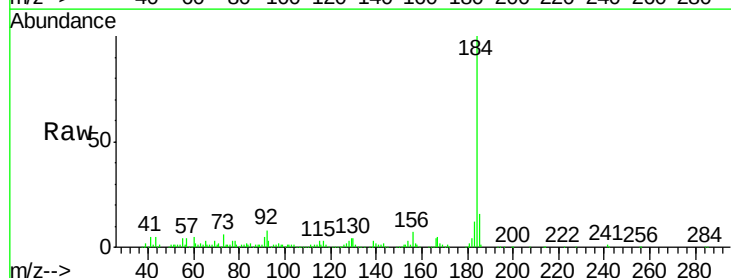
Tgt Ion:184 Resp: 515598

Ion Ratio Lower Upper

184 100

185 15.6 12.6 18.8

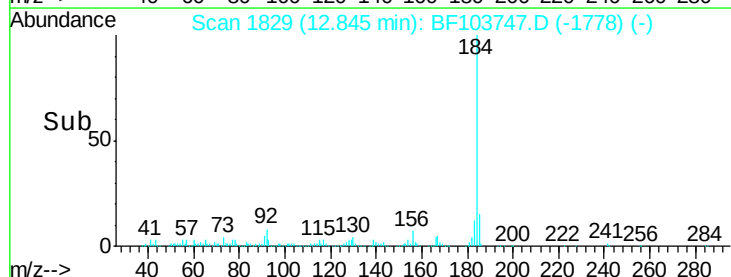
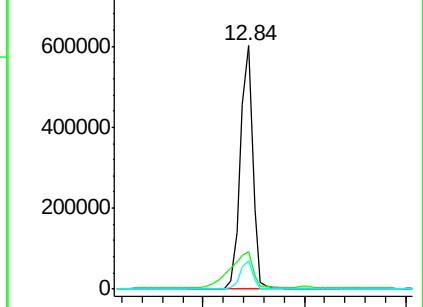
183 11.9 9.3 13.9

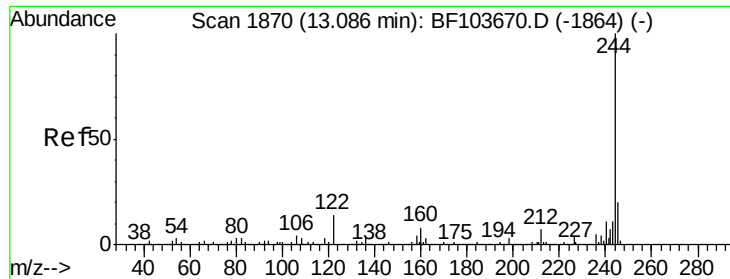


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

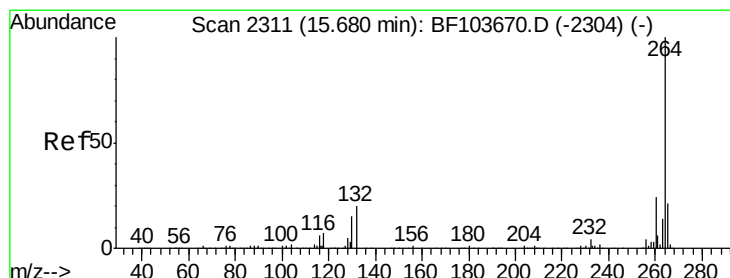
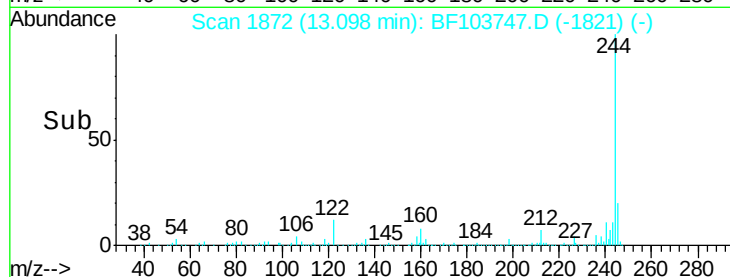
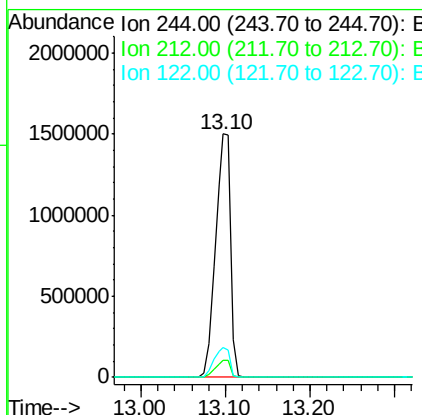
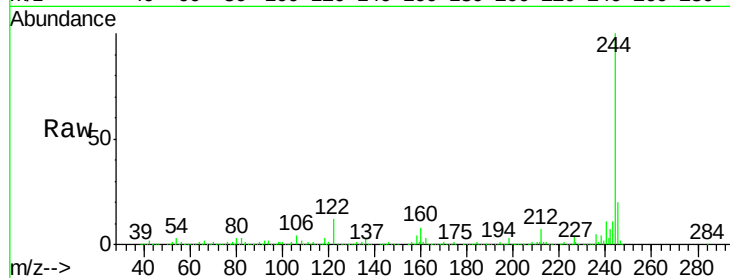




#78
 Terphenyl-d14
 Concen: 80.630 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: BF103747.D
 Acq: 19 Mar 2018 10:49

Instrument :
 BNA_F
 ClientSampleId :
 LS-PIT-3

Tot Ion:244 Resp: 1895779
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.3 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. -0.01 min
 Lab File: BF103747.D
 Acq: 19 Mar 2018 10:49

Tgt Ion:264 Resp: 477764
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.6 17.5 26.3

