

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103746.D
 Acq On : 19 Mar 2018 10:22
 Operator : JU/SJ
 Sample : J1929-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 19 10:55:54 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	190428	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	772241	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	369058	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	653894	20.00	ng	0.00
75) Chrysene-d12	14.16	240	569073	20.00	ng	0.00
86) Perylene-d12	15.69	264	502138	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	1472761	117.63	ng	0.02
7) Phenol-d6	6.60	99	1684645	109.98	ng	0.00
23) Nitrobenzene-d5	7.53	82	1301897	117.57	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	511297	161.13	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	2104550	90.96	ng	0.00
78) Terphenyl-d14	13.10	244	2028999	82.76	ng	0.00

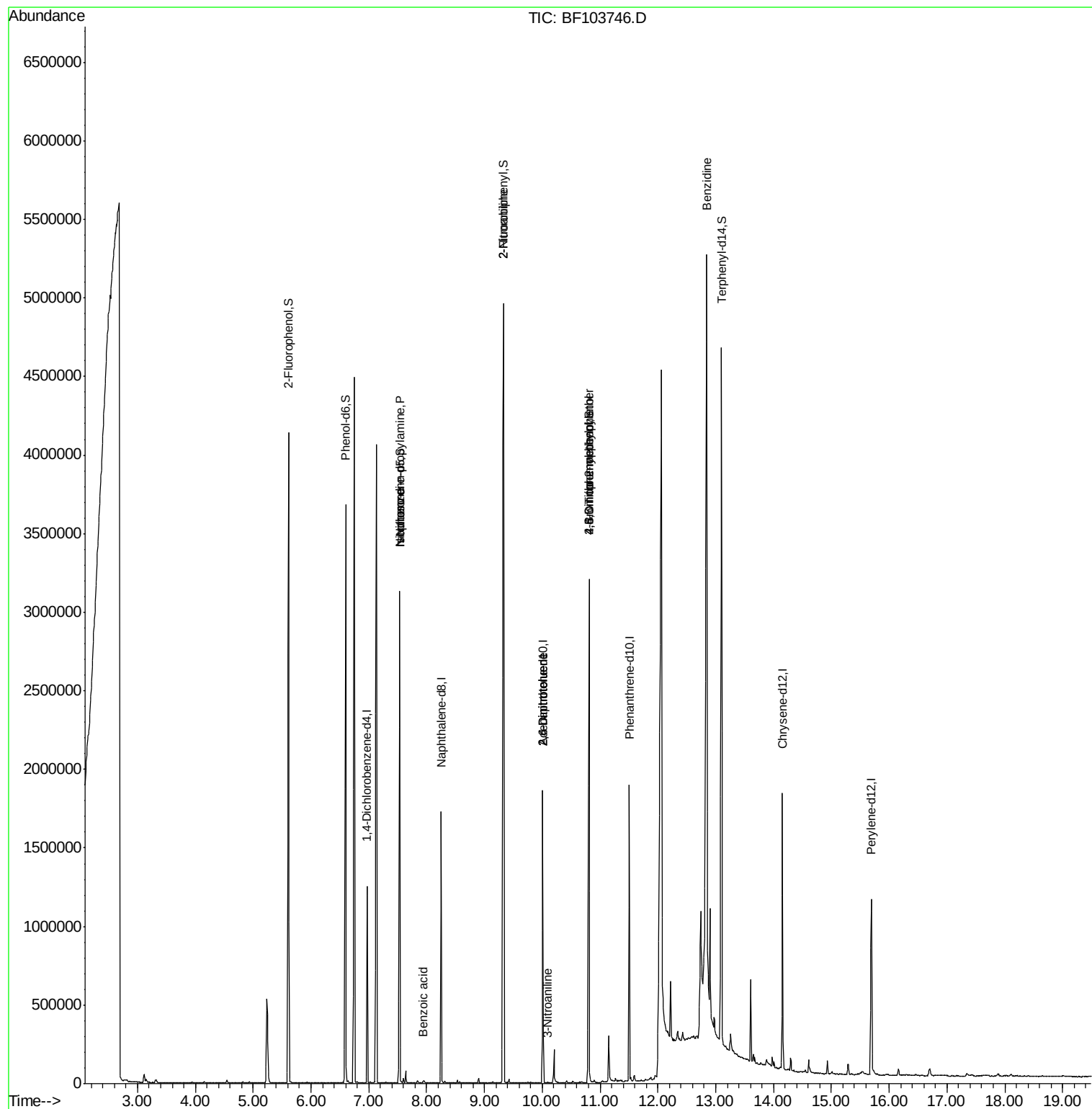
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	174318	17.758	ng	# 74
25) Isophorone	7.53	82	1301866	50.785	ng	# 64
32) Benzoic acid	7.94	122	3238	10.237	ng	# 93
47) 2-Nitroaniline	9.33	65	3813	7.326	ng	# 2
50) 2,6-Dinitrotoluene	10.01	165	46884	11.877	ng	# 25
52) 3-Nitroaniline	10.10	138	143	3.835	ng	# 2
56) 2,4-Dinitrotoluene	10.01	165	46884	12.128	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	1053	8.599	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	30285	4.511	ng	# 1
76) Benzidine	12.85	184	556488	22.928	ng	# 82

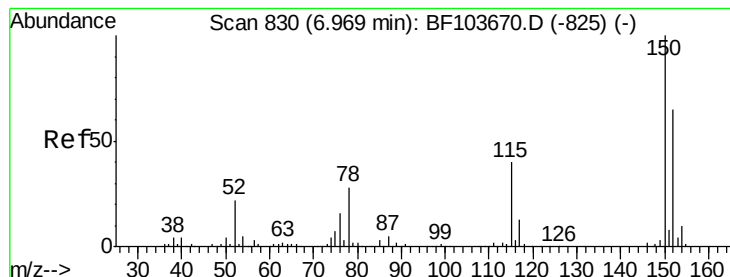
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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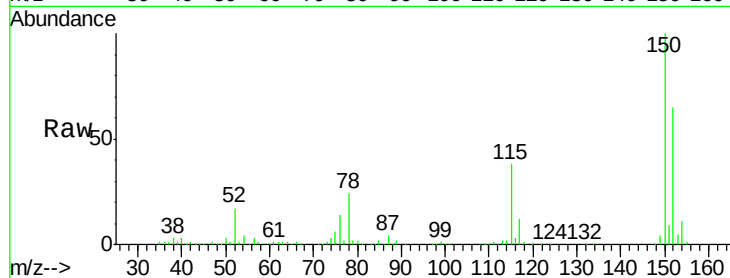


#1

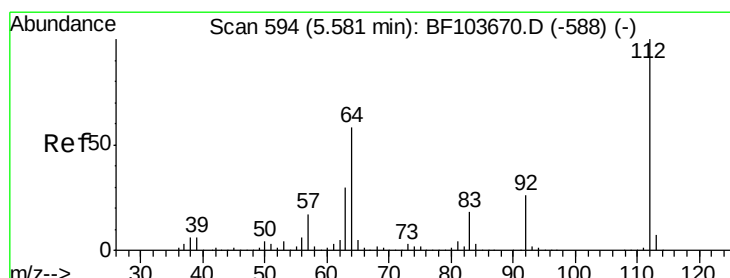
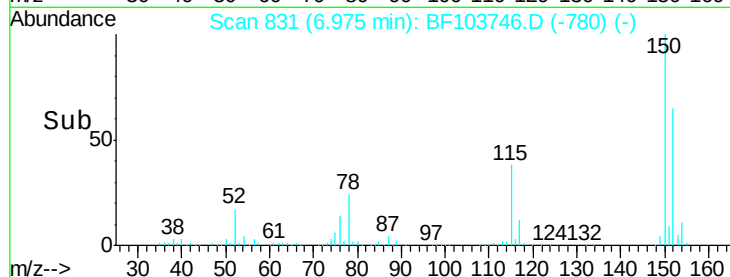
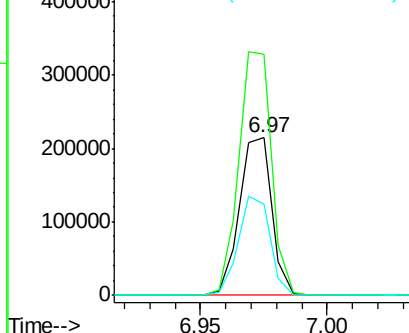
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103746.D
Acq: 19 Mar 2018 10:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 190428
Ion Ratio Lower Upper
152 100
150 152.8 124.6 186.8
115 58.3 50.1 75.1



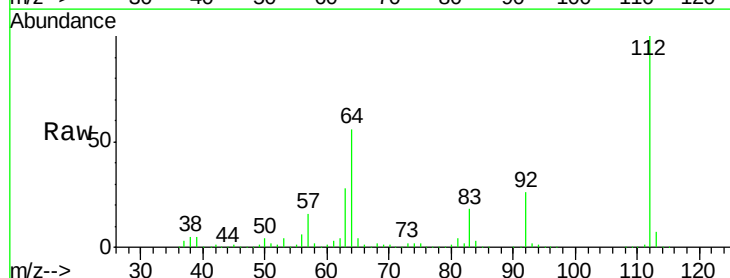
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



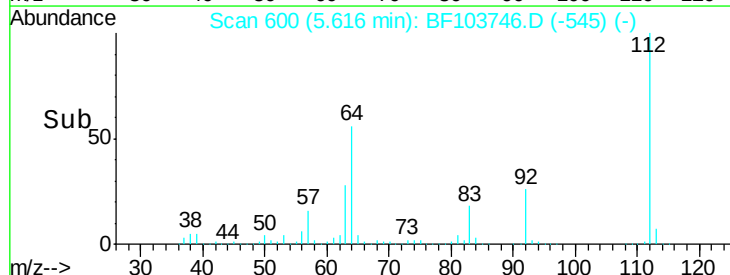
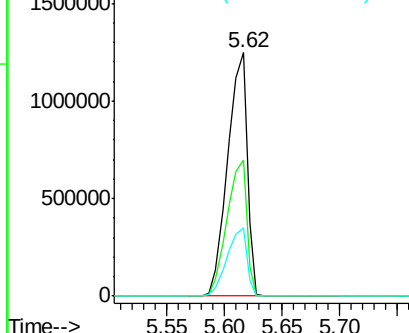
#5

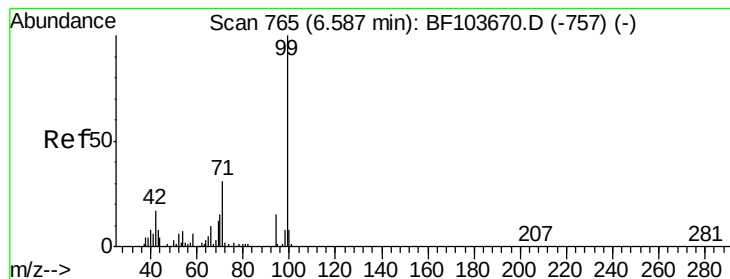
2-Fluorophenol
Concen: 117.633 ng
RT: 5.62 min Scan# 600
Delta R.T. 0.02 min
Lab File: BF103746.D
Acq: 19 Mar 2018 10:22

Tgt Ion:112 Resp: 1472761
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 28.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 109.983 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103746.D

Acq: 19 Mar 2018 10:22

Instrument :

BNA_F

ClientSampleId :

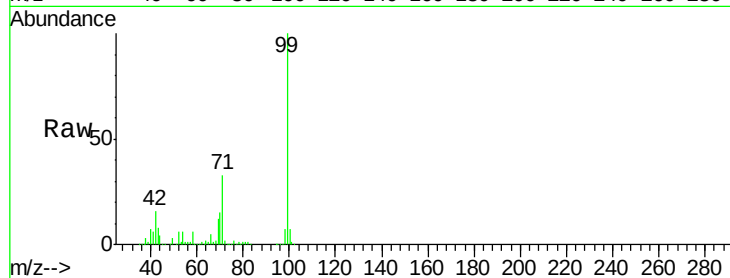
Tot Ion: 99 Resp: 1684645

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

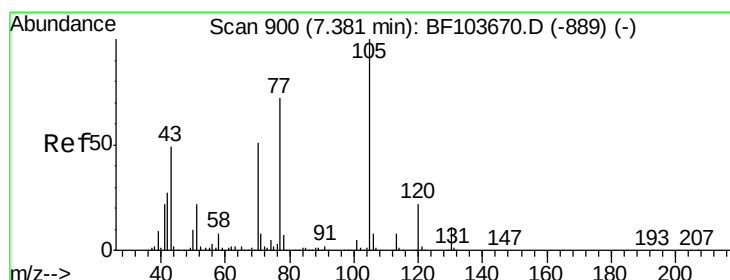
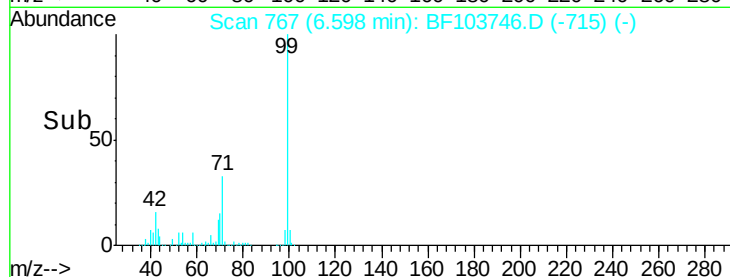
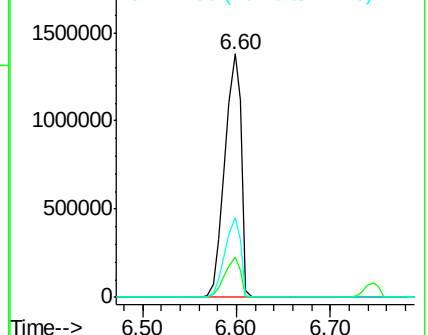
71 32.9 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.758 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103746.D

Acq: 19 Mar 2018 10:22

Tgt Ion: 70 Resp: 174318

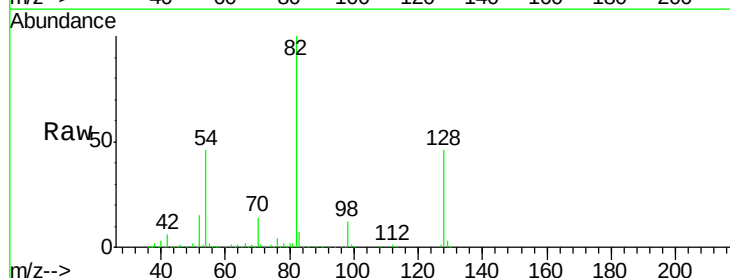
Ion Ratio Lower Upper

70 100

42 42.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

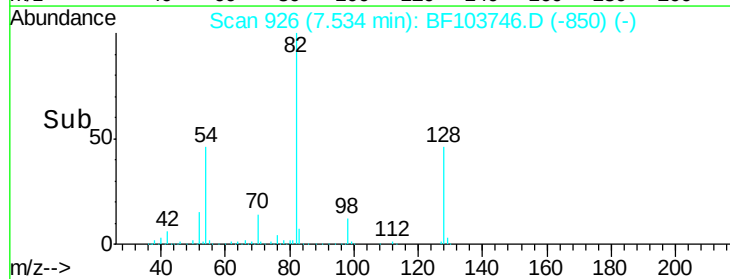
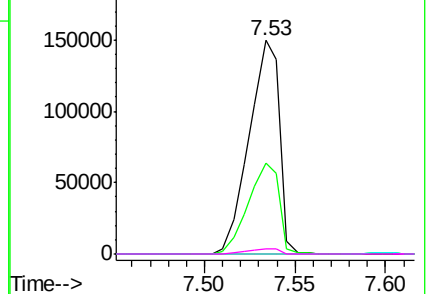


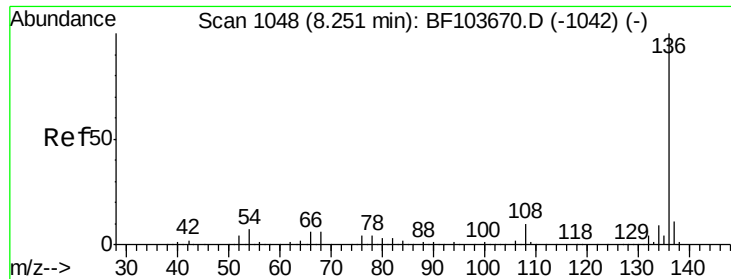
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

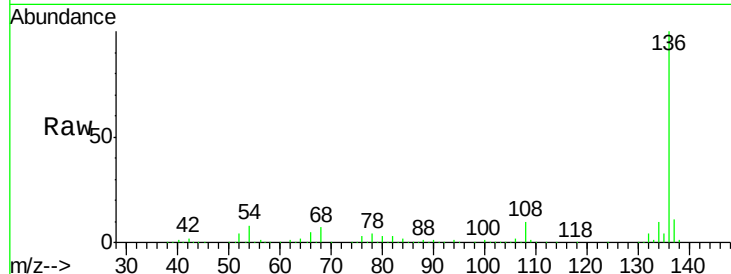




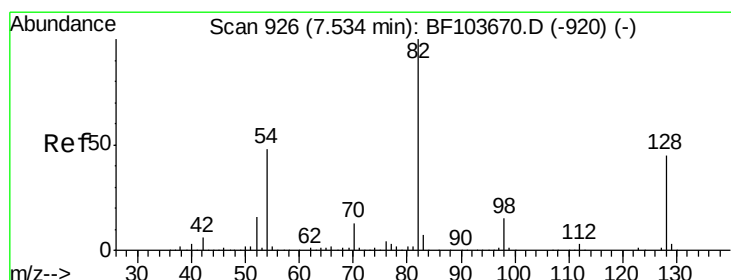
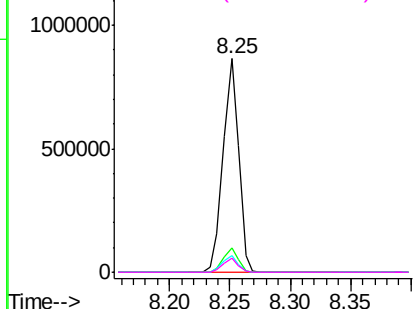
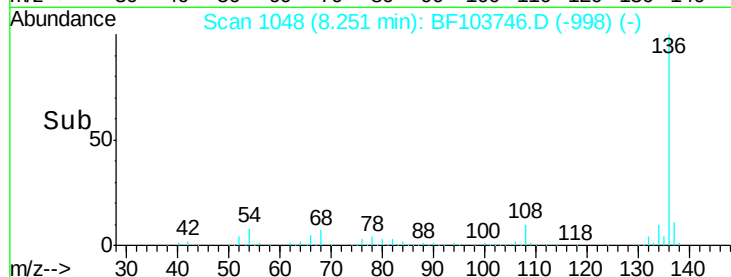
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103746.D
Acq: 19 Mar 2018 10:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	772241
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.9	13.3
54 7.6	6.6	9.8
68 6.5	5.0	7.4

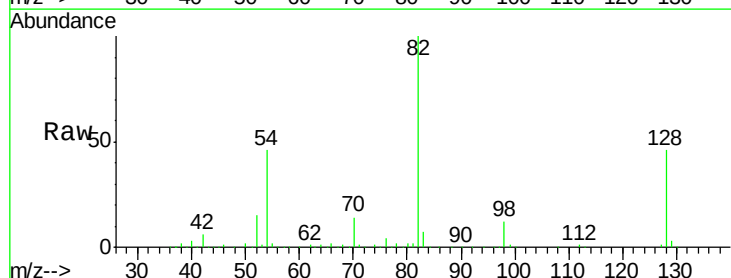


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

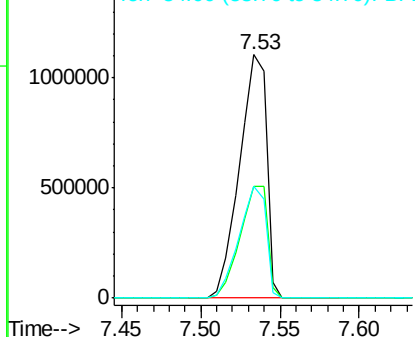
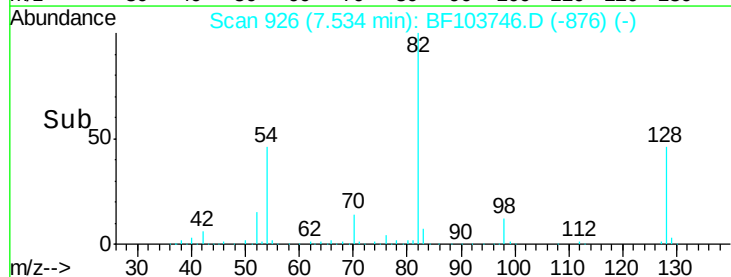


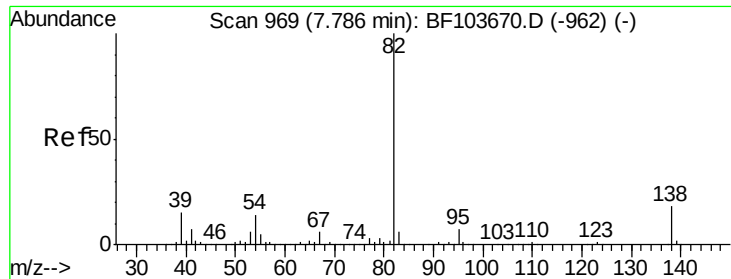
#23
Nitrobenzene-d5
Concen: 117.566 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103746.D
Acq: 19 Mar 2018 10:22

Tgt Ion: 82	Resp: 1301897
Ion Ratio	Lower Upper
82 100	
128 45.7	36.1 54.1
54 45.7	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.785 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF103746.D

Acq: 19 Mar 2018 10:22

Instrument :

BNA_F

ClientSampled :

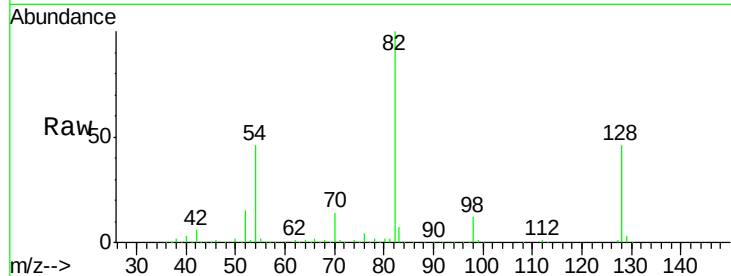
Tot Ion: 82 Resp: 1301866

Ion Ratio Lower Upper

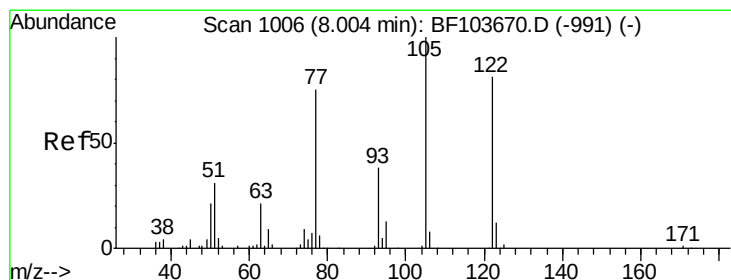
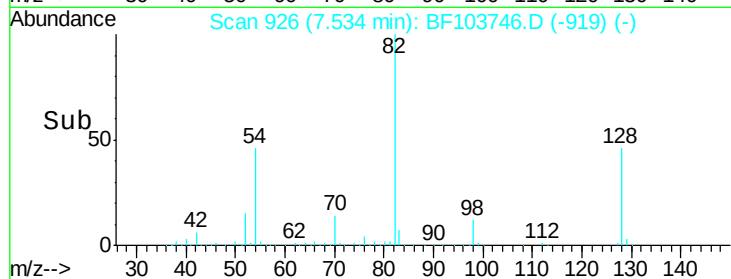
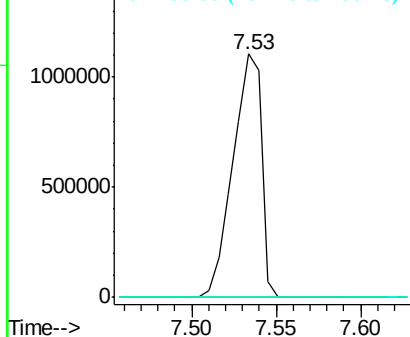
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 10.237 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.08 min

Lab File: BF103746.D

Acq: 19 Mar 2018 10:22

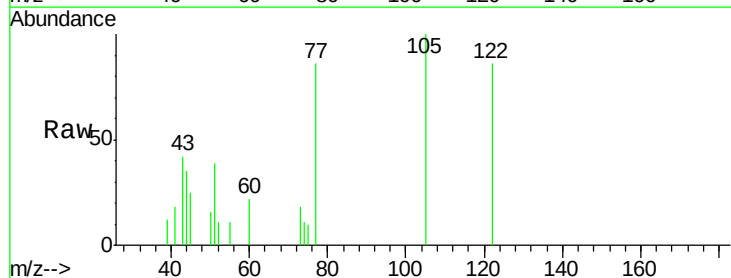
Tgt Ion: 122 Resp: 3238

Ion Ratio Lower Upper

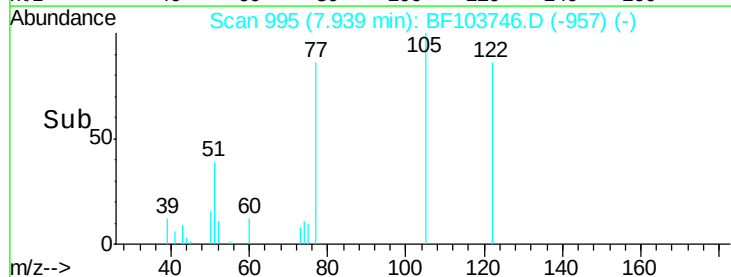
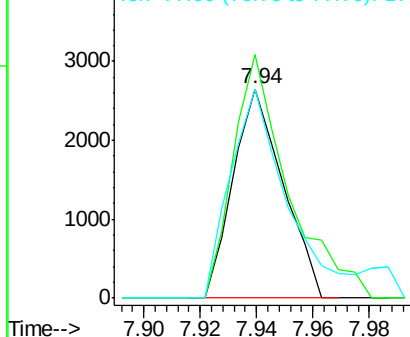
122 100

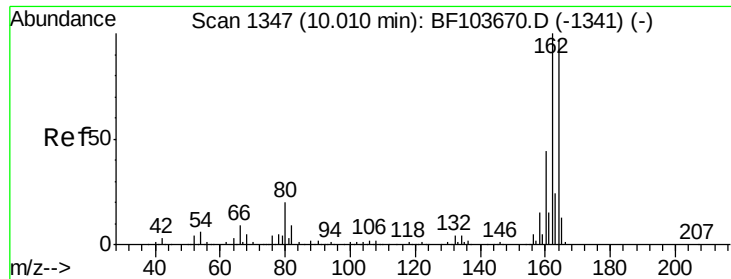
105 116.2 101.1 141.1

77 99.8 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

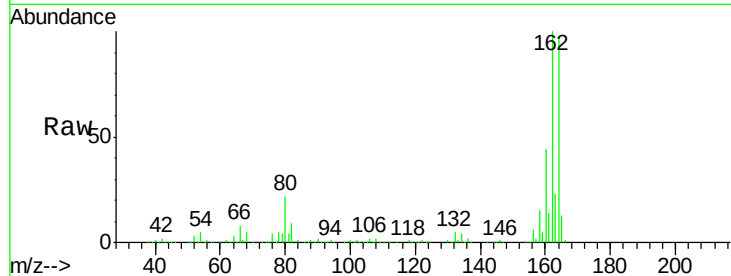




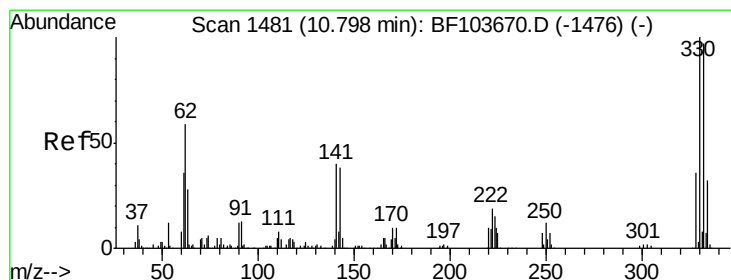
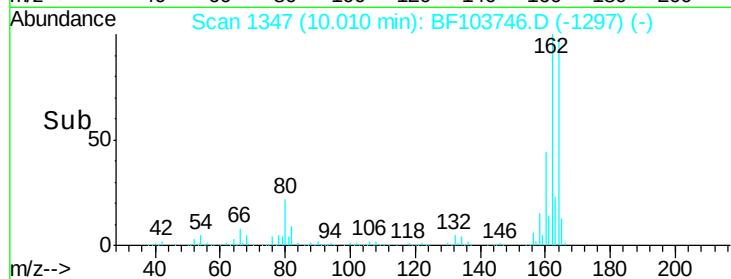
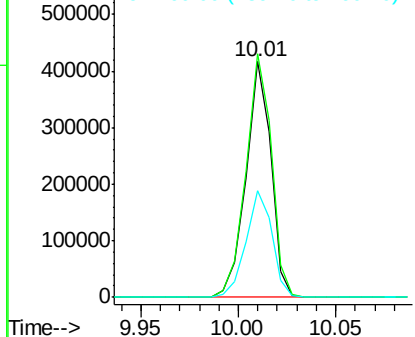
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF103746.D
Acq: 19 Mar 2018 10:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 369058
Ion Ratio Lower Upper
164 100
162 103.3 86.1 129.1
160 45.1 38.3 57.5

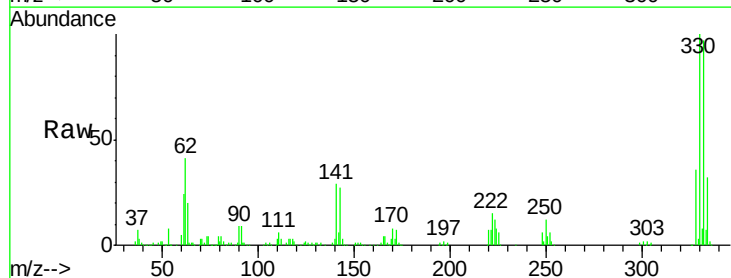


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

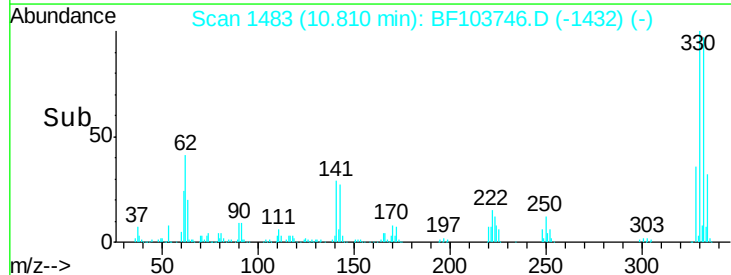
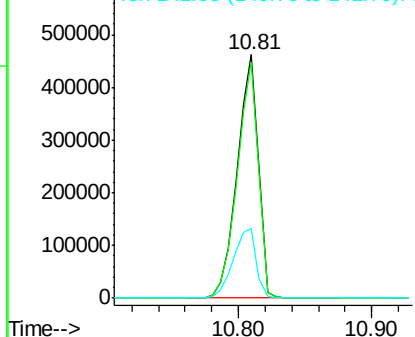


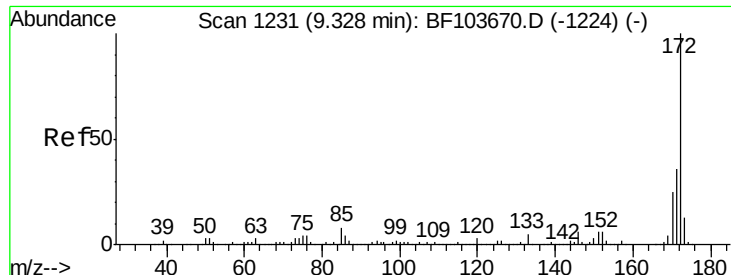
#41
2,4,6-Tribromophenol
Concen: 161.131 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF103746.D
Acq: 19 Mar 2018 10:22

Tgt Ion:330 Resp: 511297
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 31.3 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

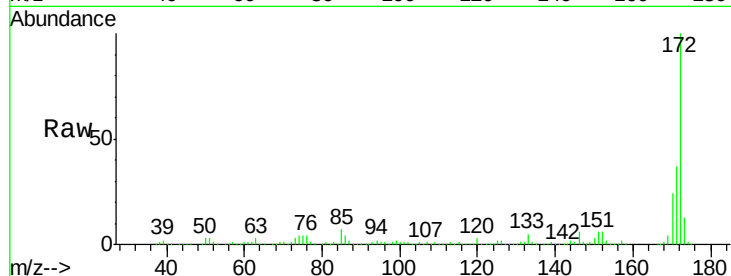




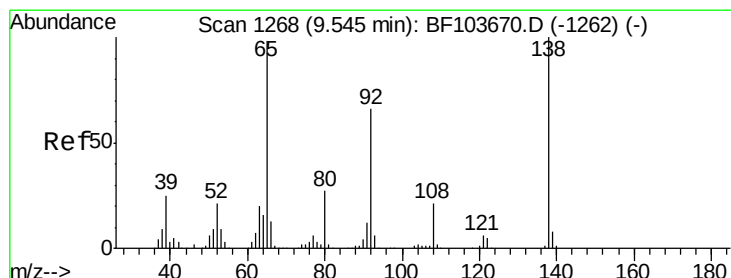
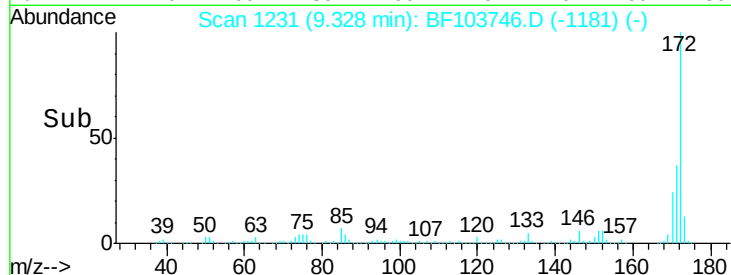
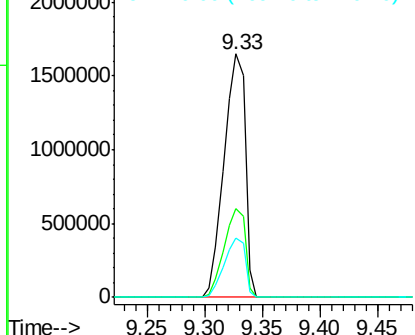
#44
2-Fluorobiphenyl
Concen: 90.963 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103746.D
Acq: 19 Mar 2018 10:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2104550
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.2 19.6 29.4

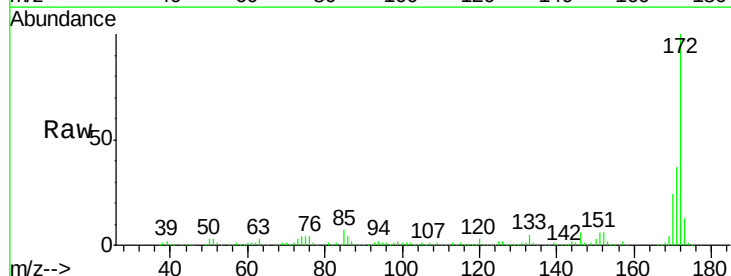


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

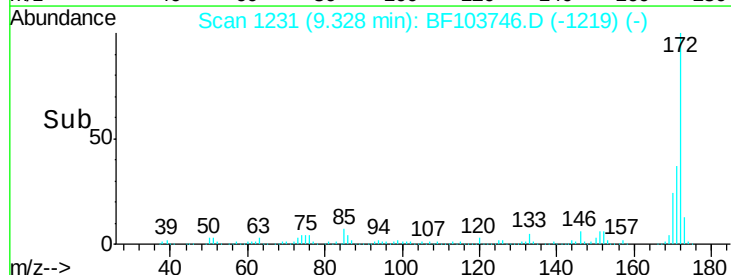
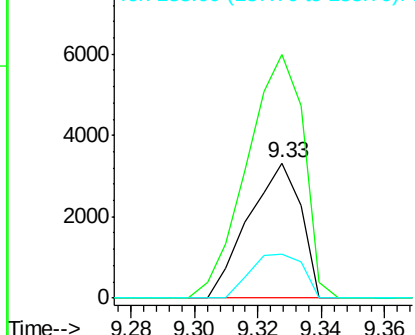


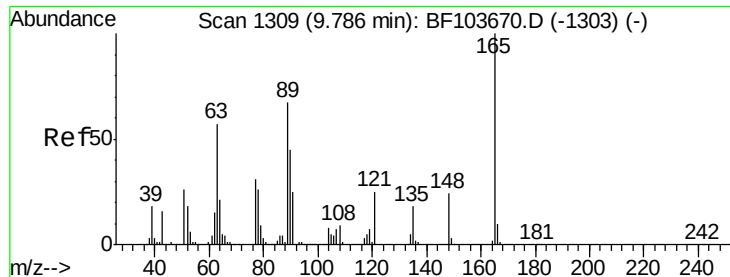
#47
2-Nitroaniline
Concen: 7.326 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.23 min
Lab File: BF103746.D
Acq: 19 Mar 2018 10:22

Tgt Ion: 65 Resp: 3813
Ion Ratio Lower Upper
65 100
92 179.9 55.8 83.6#
138 32.2 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

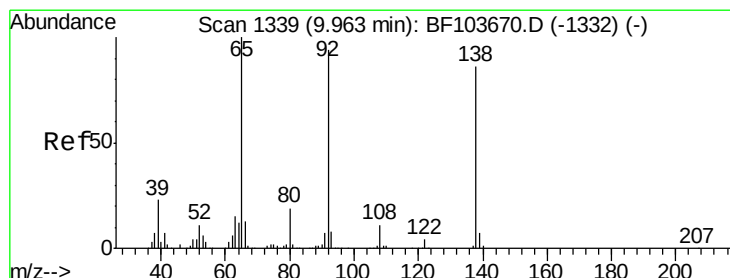
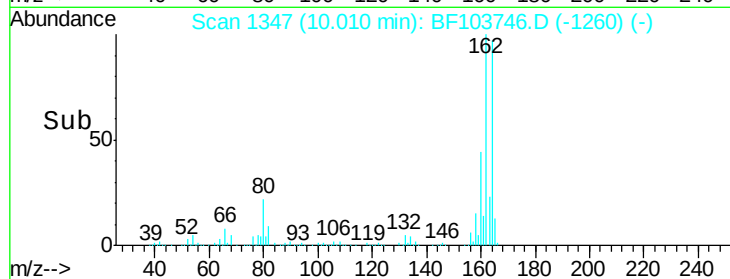
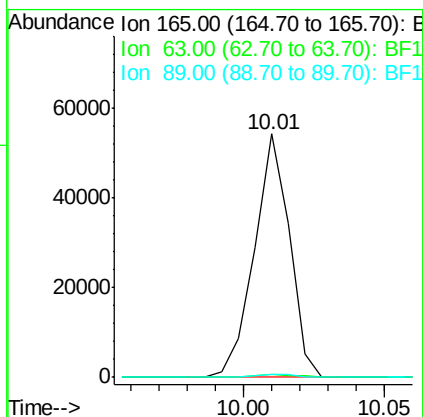
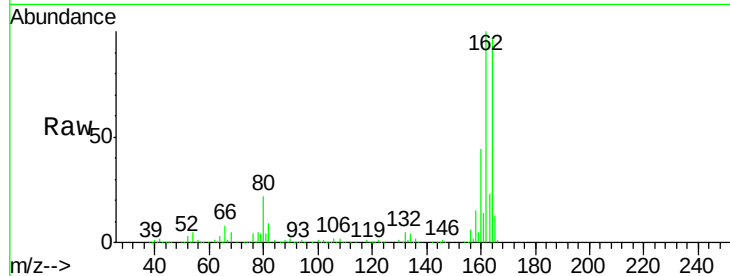




#50
 2,6-Dinitrotoluene
 Concen: 11.877 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.21 min
 Lab File: BF103746.D
 Acq: 19 Mar 2018 10:22

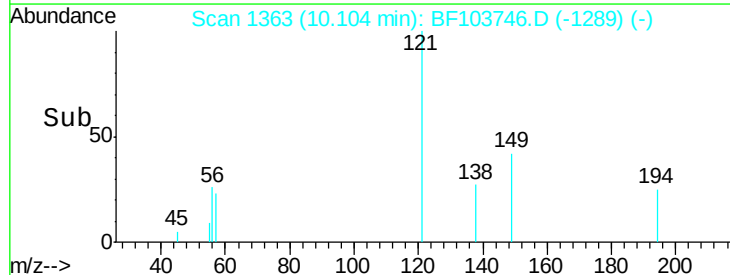
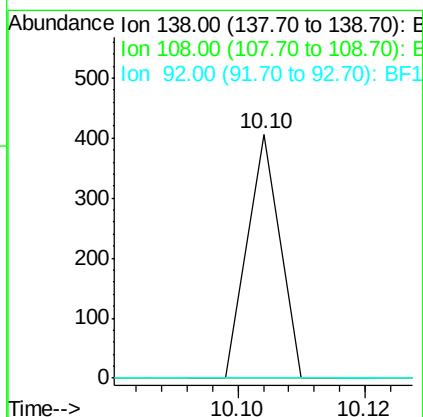
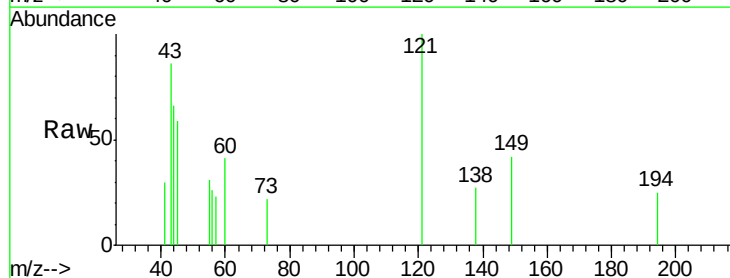
Instrument :
 BNA_F
 ClientSampleId :

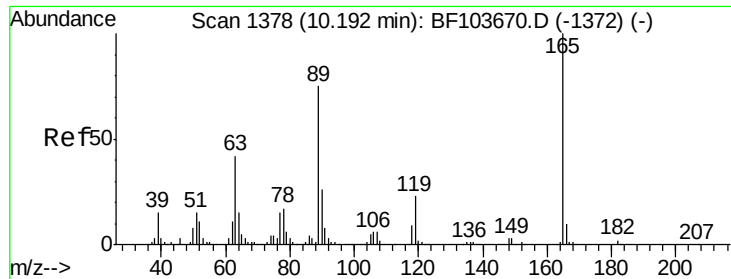
Tot Ion:165 Resp: 46884
 Ion Ratio Lower Upper
 165 100
 63 1.2 44.7 67.1#
 89 1.1 44.0 66.0#



#52
 3-Nitroaniline
 Concen: 3.835 ng
 RT: 10.10 min Scan# 1363
 Delta R.T. 0.14 min
 Lab File: BF103746.D
 Acq: 19 Mar 2018 10:22

Tgt Ion:138 Resp: 143
 Ion Ratio Lower Upper
 138 100
 108 0.0 9.4 14.0#
 92 0.0 89.4 134.2#

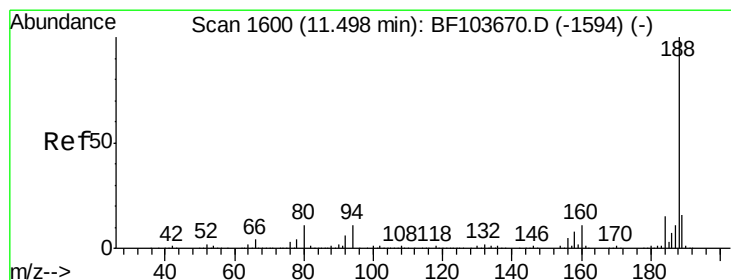
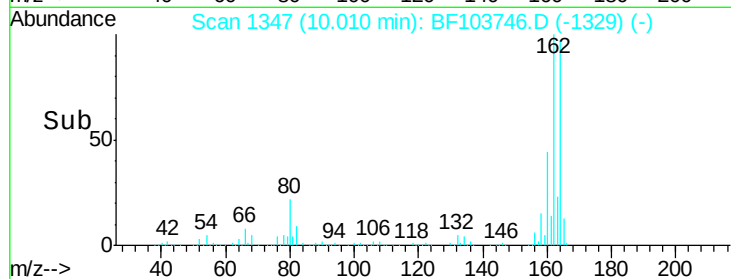
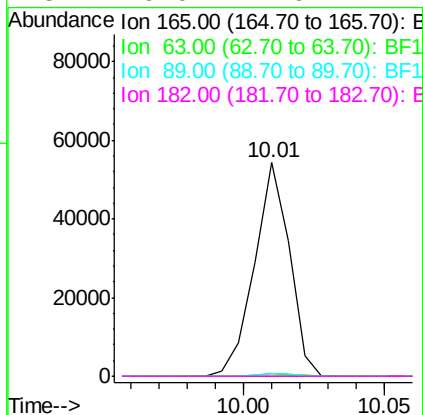
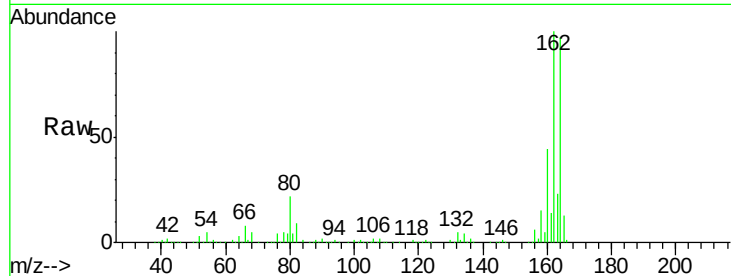




#56
 2,4-Dinitrotoluene
 Concen: 12.128 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.19 min
 Lab File: BF103746.D
 Acq: 19 Mar 2018 10:22

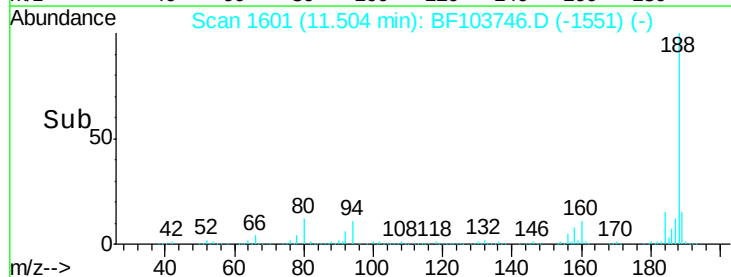
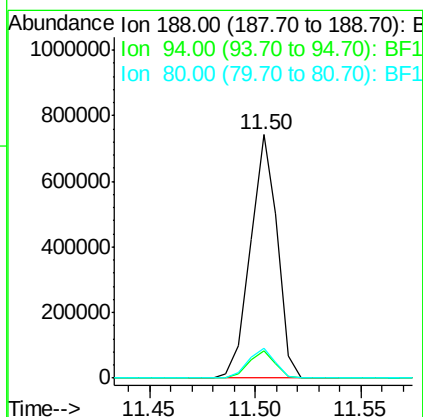
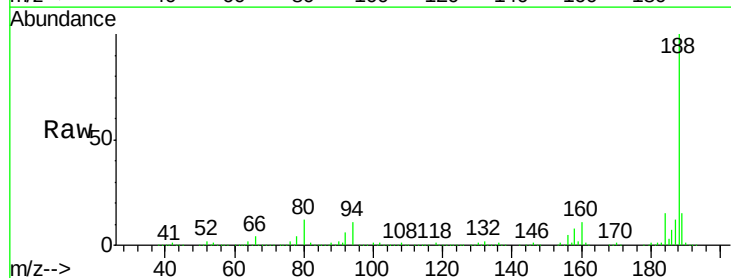
Instrument :
 BNA_F
 ClientSampleId :

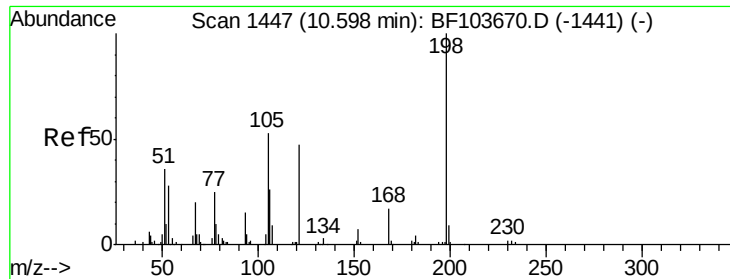
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103746.D
 Acq: 19 Mar 2018 10:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	12.2	9.2	13.8

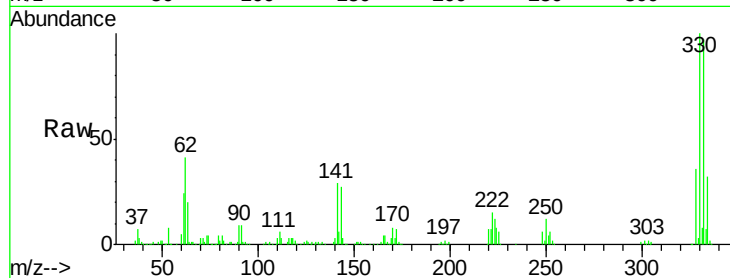




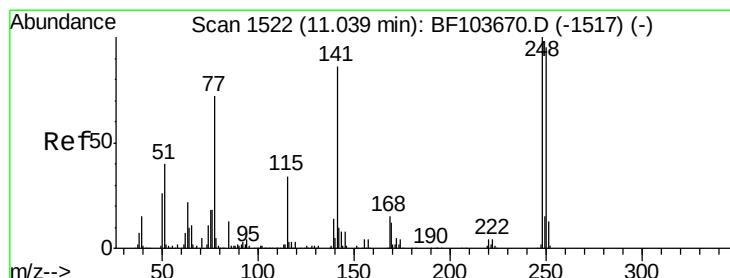
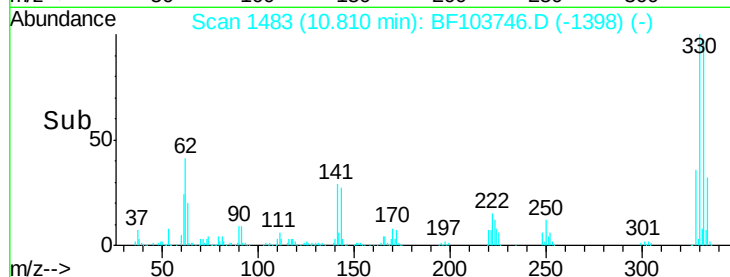
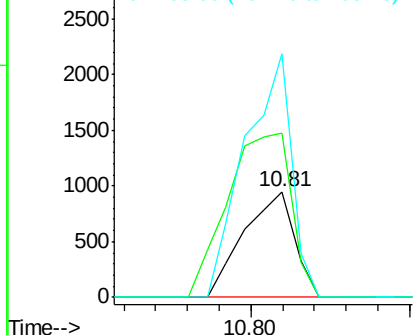
#64
4,6-Dinitro-2-methylphenol
Concen: 8.599 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.20 min
Lab File: BF103746.D
Acq: 19 Mar 2018 10:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 1053
Ion Ratio Lower Upper
198 100
51 155.4 37.7 77.7#
105 230.5 36.3 76.3#

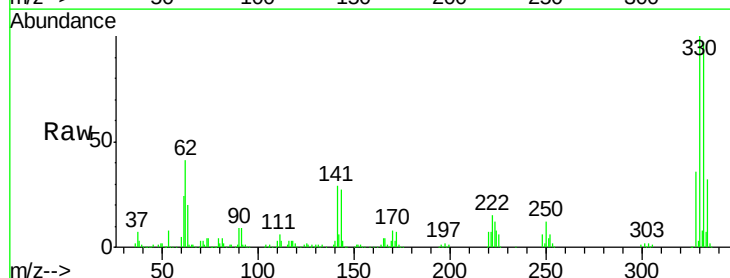


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

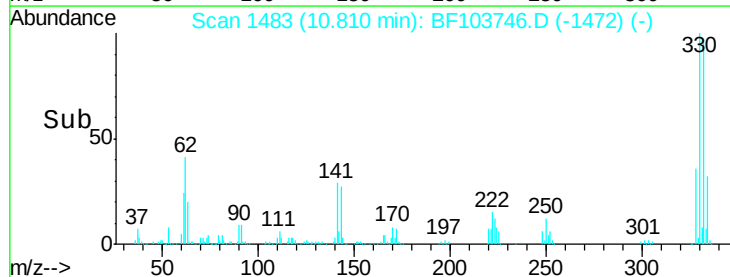
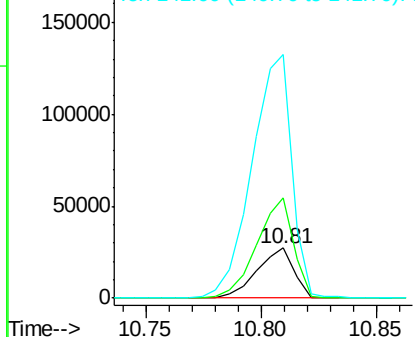


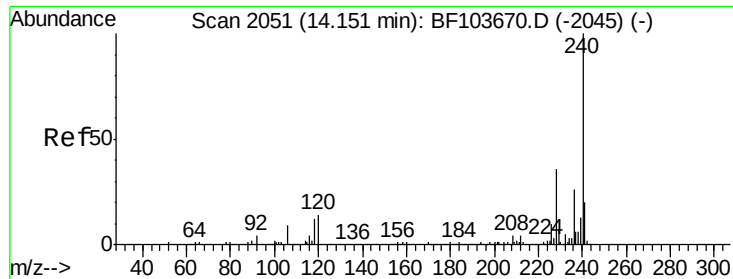
#66
4-Bromophenyl-phenylether
Concen: 4.511 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.24 min
Lab File: BF103746.D
Acq: 19 Mar 2018 10:22

Tgt Ion:248 Resp: 30285
Ion Ratio Lower Upper
248 100
250 198.8 76.9 115.3#
141 484.5 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF103746.D

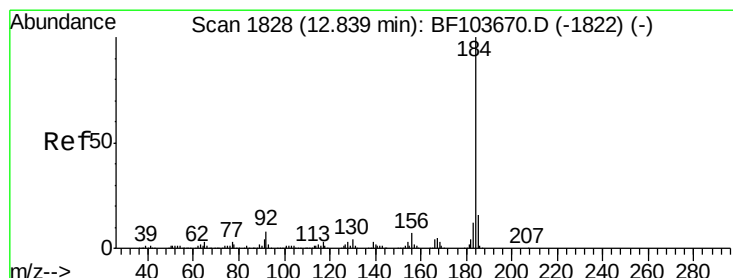
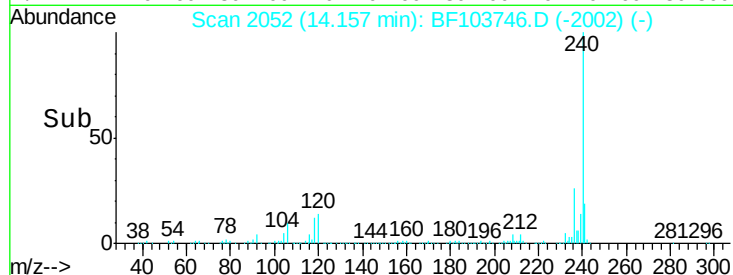
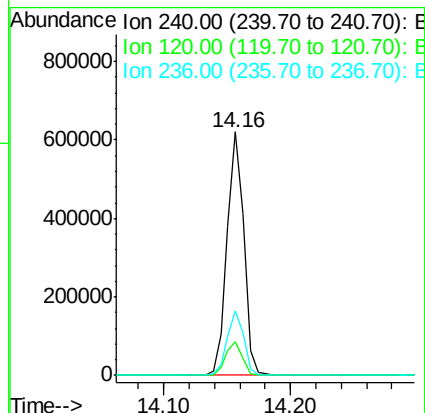
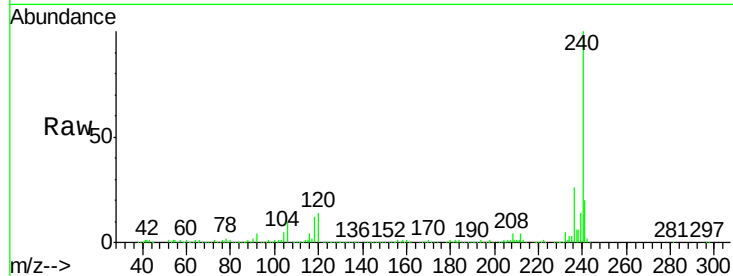
Acq: 19 Mar 2018 10:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	240	Resp:	569073
Ion	Ratio	Lower	Upper
240	100		
120	13.6	9.5	14.3
236	26.4	20.7	31.1



#76

Benzidine

Concen: 22.928 ng

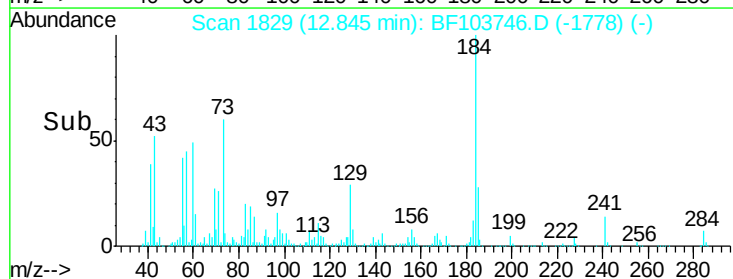
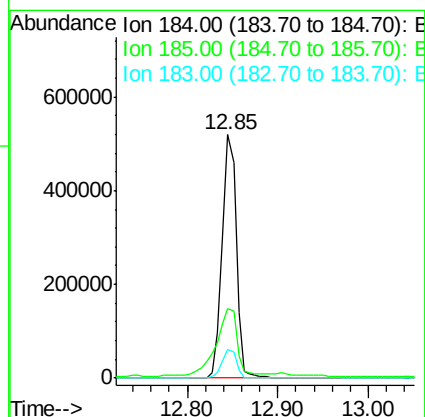
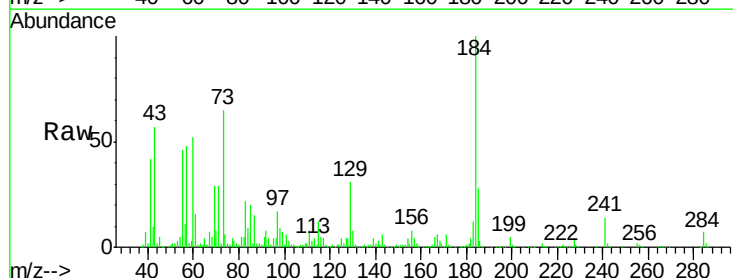
RT: 12.85 min Scan# 1829

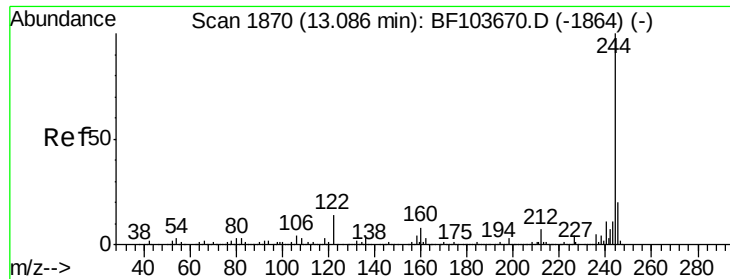
Delta R.T. 0.00 min

Lab File: BF103746.D

Acq: 19 Mar 2018 10:22

Tgt Ion:	184	Resp:	556488
Ion	Ratio	Lower	Upper
184	100		
185	28.3	12.6	18.8#
183	12.0	9.3	13.9

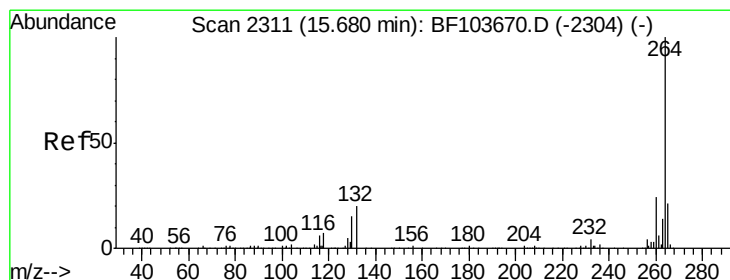
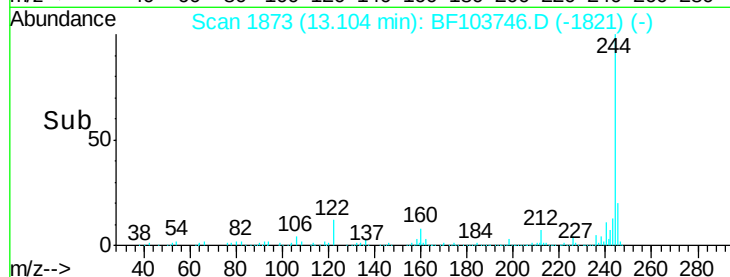
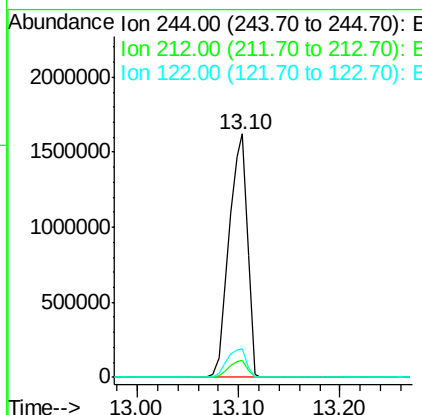
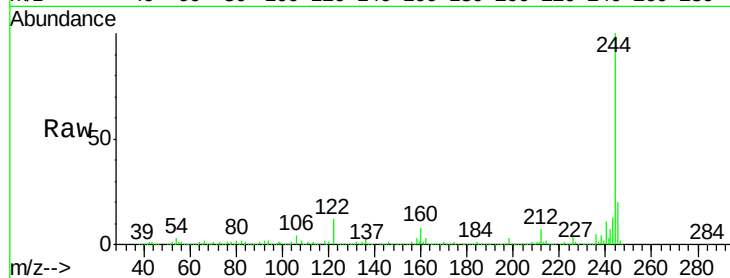




#78
 Terphenyl-d14
 Concen: 82.759 ng
 RT: 13.10 min Scan# 1873
 Delta R.T. 0.01 min
 Lab File: BF103746.D
 Acq: 19 Mar 2018 10:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 2028999
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.6 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. -0.01 min
 Lab File: BF103746.D
 Acq: 19 Mar 2018 10:22

Tgt Ion:264 Resp: 502138
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.2 17.5 26.3

