

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103707.D
 Acq On : 16 Mar 2018 20:13
 Operator : JU/SJ
 Sample : J1929-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 16 23:00:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	178866	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	711049	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	317230	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	493948	20.00	ng	0.00
75) Chrysene-d12	14.15	240	324994	20.00	ng	0.00
86) Perylene-d12	15.68	264	297271	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1086003	92.35	ng	0.01
7) Phenol-d6	6.59	99	1338517	93.03	ng	0.00
23) Nitrobenzene-d5	7.53	82	786156	77.10	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	248221	91.00	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1253967	63.05	ng	0.00
78) Terphenyl-d14	13.09	244	902267	64.44	ng	0.00

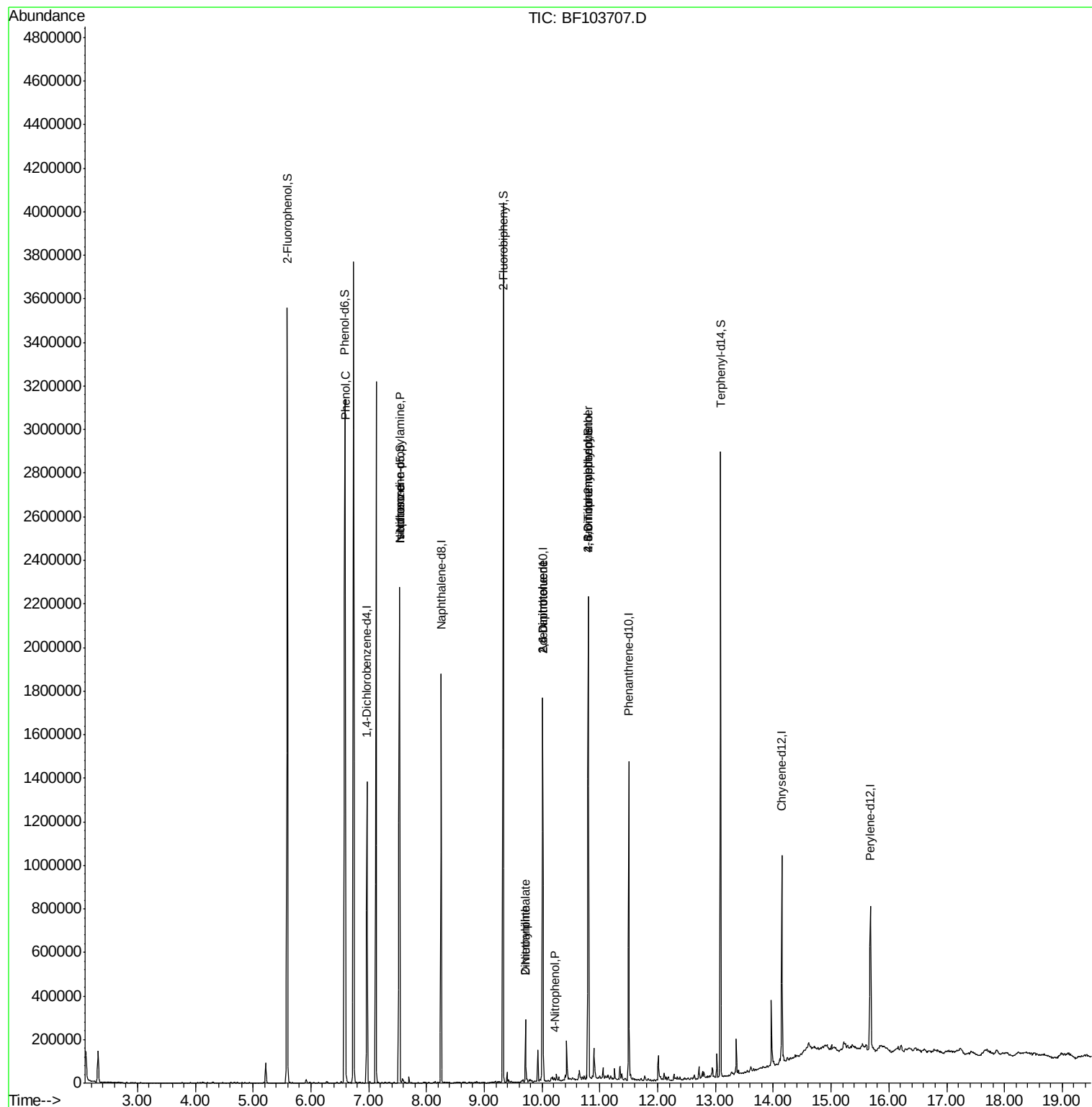
Target Compounds				Qvalue		
10) Phenol	6.60	94	41285	2.700	ng	97
19) n-Nitroso-di-n-propylamine	7.53	70	105371	11.428	ng	# 73
25) Isophorone	7.53	82	786142	33.306	ng	# 64
47) 2-Nitroaniline	9.71	65	952	6.963	ng	# 1
49) Dimethylphthalate	9.72	163	100786	4.164	ng	98
50) 2,6-Dinitrotoluene	10.01	165	41090	12.032	ng	# 26
55) 4-Nitrophenol	10.21	139	139	4.999	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	41090	12.244	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	517	8.430	ng	# 46
66) 4-Bromophenyl-phenylether	10.80	248	15570	3.070	ng	# 1

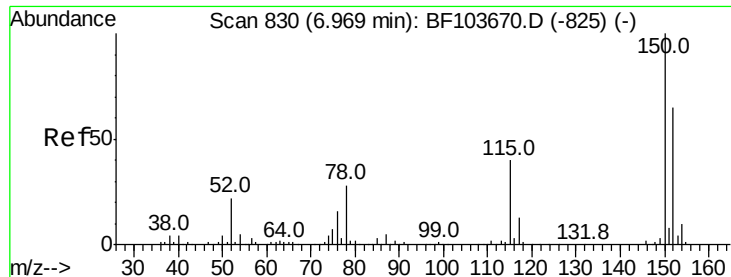
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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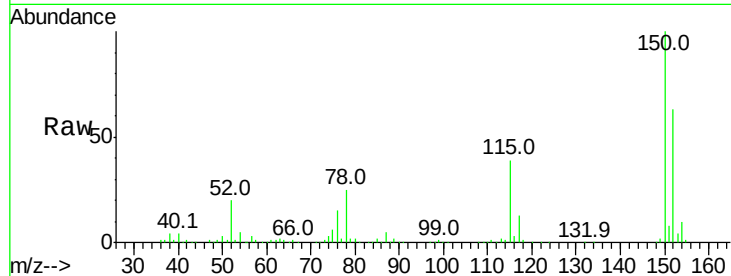


#1

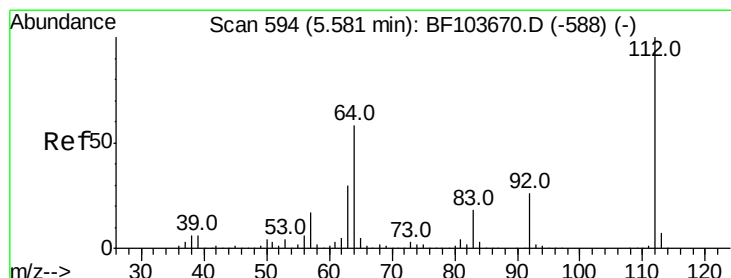
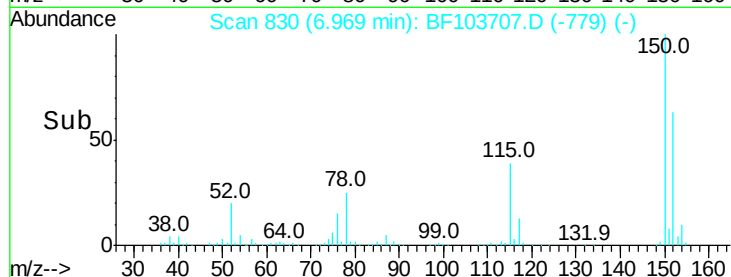
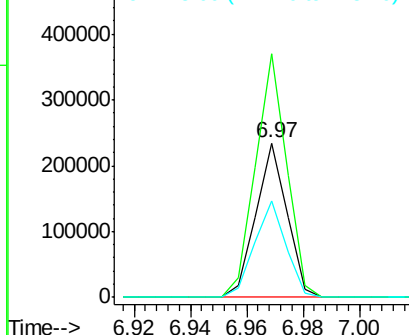
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103707.D
Acq: 16 Mar 2018 20:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 178866
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 62.1 50.1 75.1



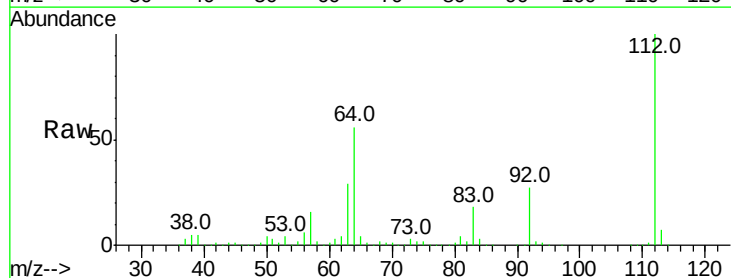
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



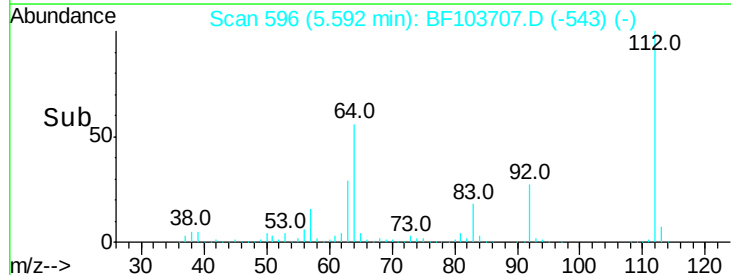
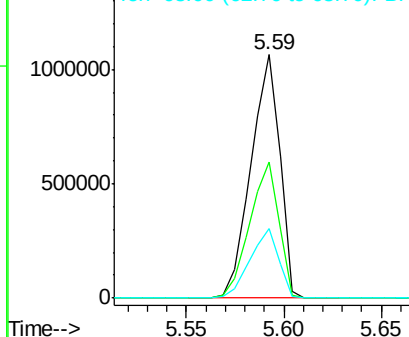
#5

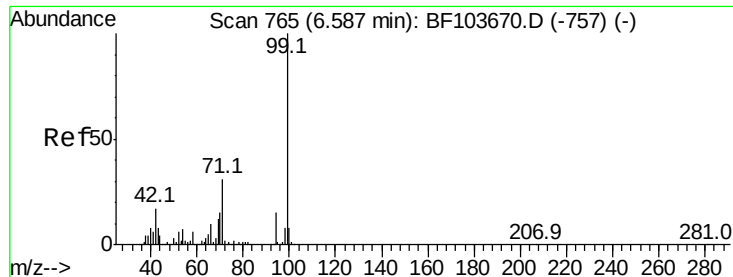
2-Fluorophenol
Concen: 92.349 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF103707.D
Acq: 16 Mar 2018 20:13

Tgt Ion:112 Resp: 1086003
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 28.8 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: 93.035 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF103707.D

Acq: 16 Mar 2018 20:13

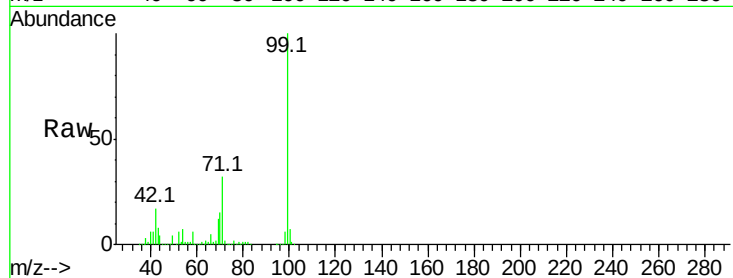
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1338517

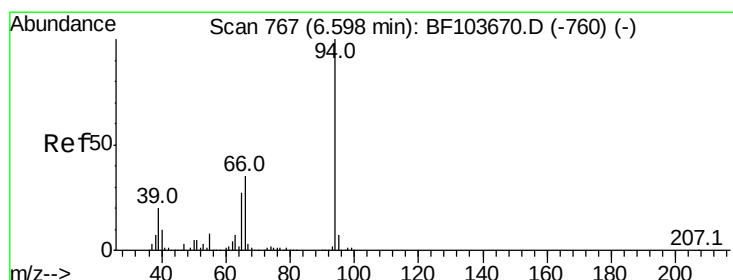
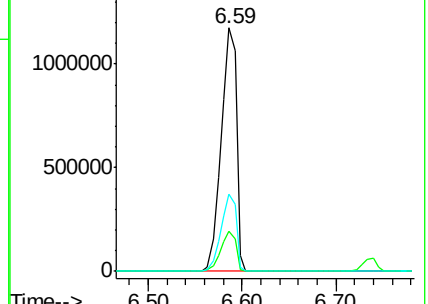
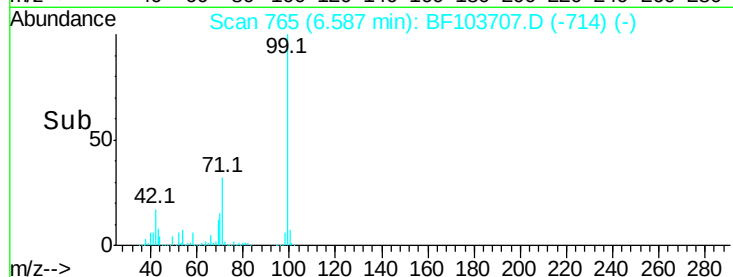
Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.5	21.7
71	31.9	25.4	38.0



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



#10

Phenol

Concen: 2.700 ng

RT: 6.60 min Scan# 767

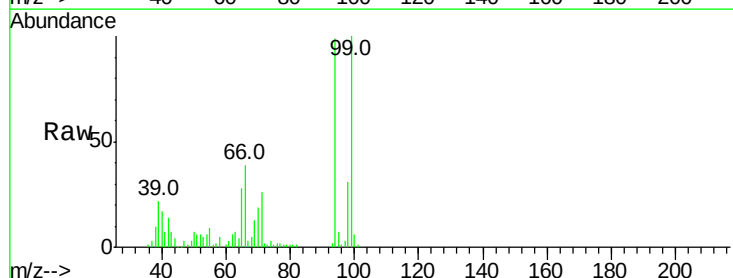
Delta R.T. -0.00 min

Lab File: BF103707.D

Acq: 16 Mar 2018 20:13

Tgt Ion: 94 Resp: 41285

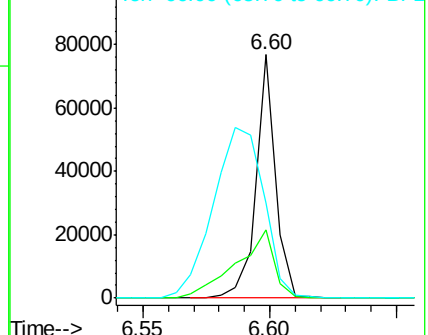
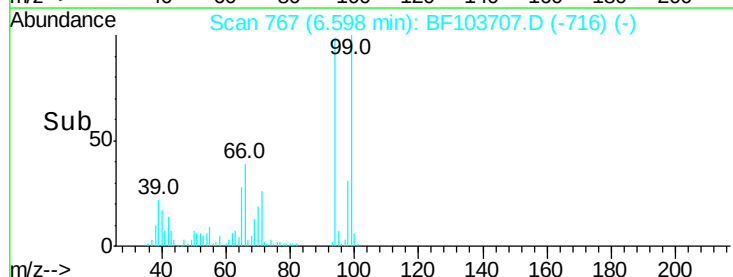
Ion	Ratio	Lower	Upper
94	100		
65	27.8	7.9	47.9
66	39.3	16.2	56.2

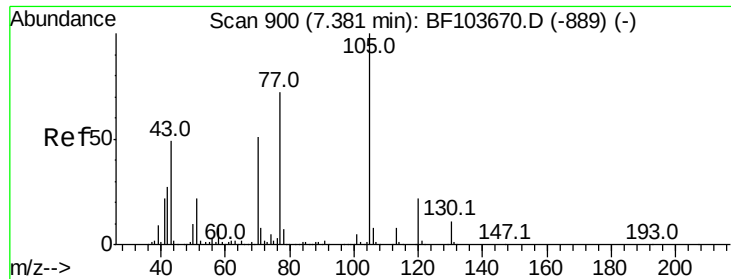


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

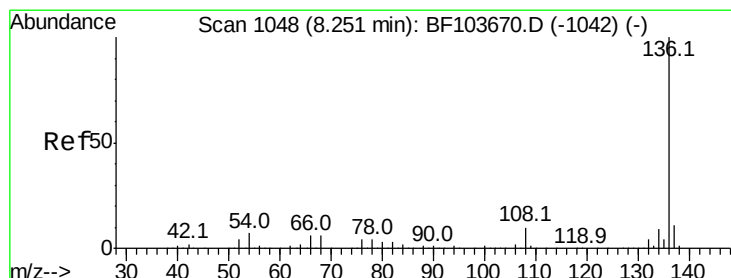
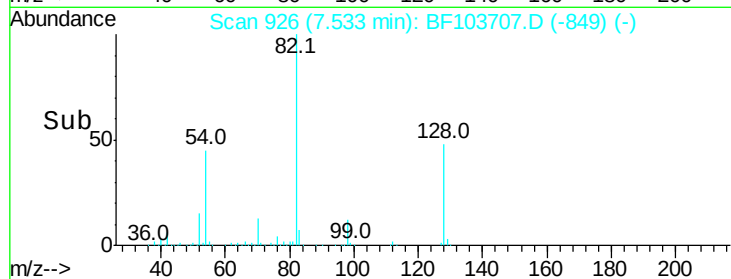
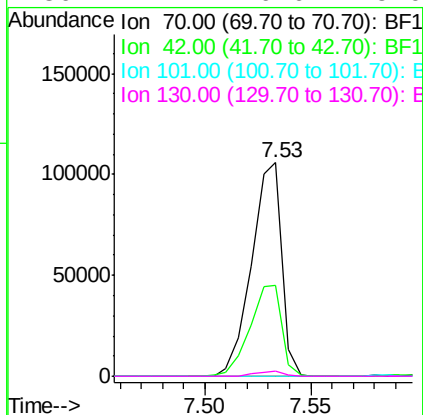
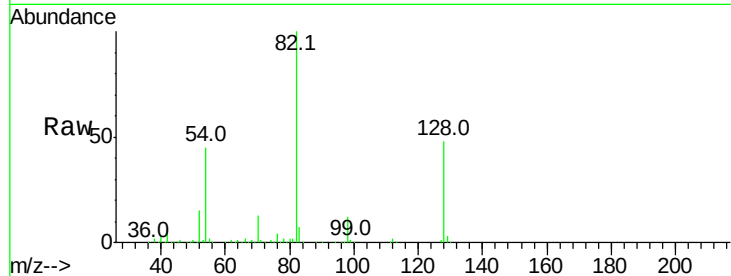




#19
n-Nitroso-di-n-propylamine
Concen: 11.428 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103707.D
Acq: 16 Mar 2018 20:13

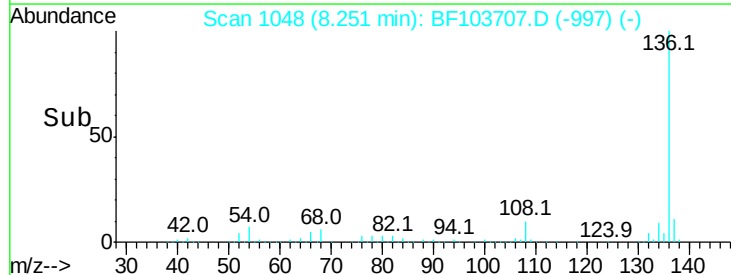
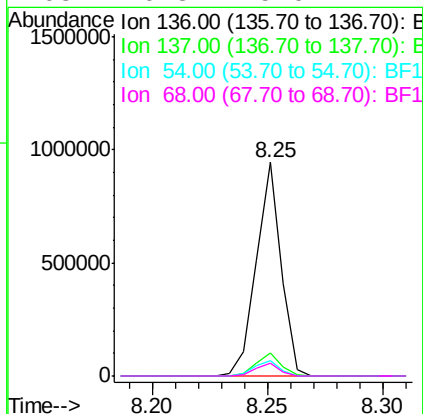
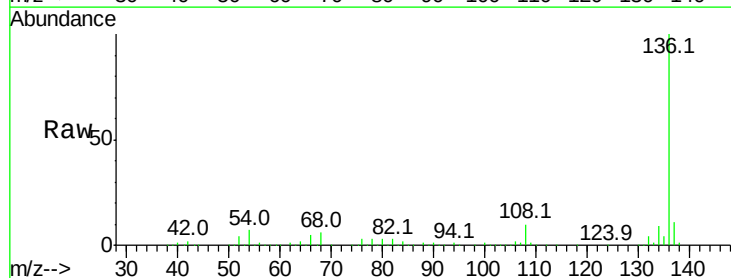
Instrument :
BNA_F
ClientSampleId :

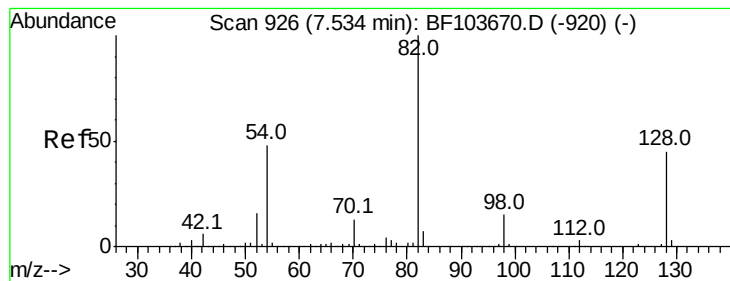
Tot Ion: 70 Resp: 105371
Ion Ratio Lower Upper
70 100
42 42.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF103707.D
Acq: 16 Mar 2018 20:13

Tgt Ion: 136 Resp: 711049
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.4 6.6 9.8
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 77.102 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF103707.D

Acq: 16 Mar 2018 20:13

Instrument :

BNA_F

ClientSampled :

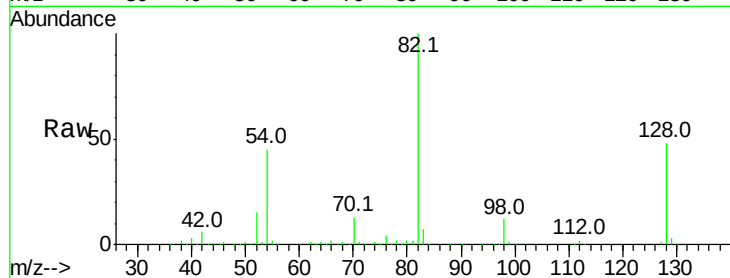
Tot Ion: 82 Resp: 786156

Ion Ratio Lower Upper

82 100

128 48.4 36.1 54.1

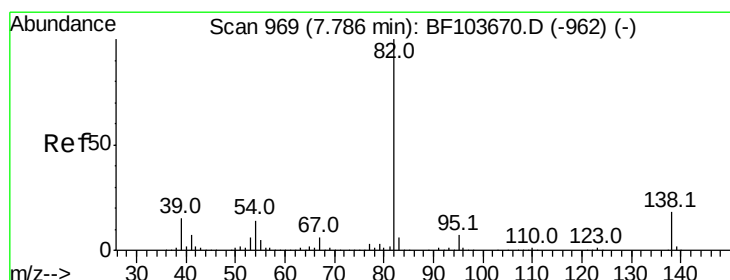
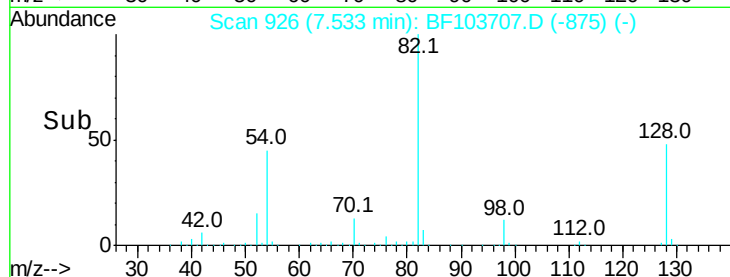
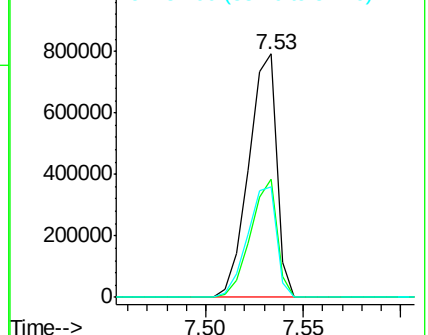
54 45.4 41.4 62.2



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



#25

Isophorone

Concen: 33.306 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103707.D

Acq: 16 Mar 2018 20:13

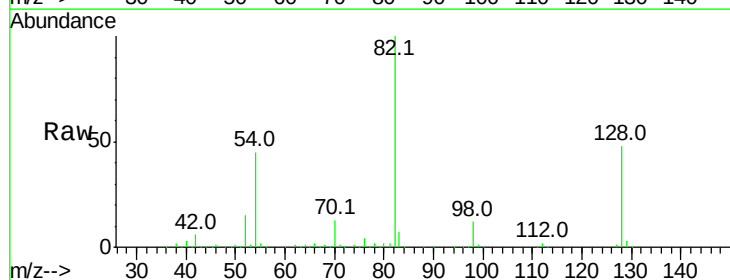
Tgt Ion: 82 Resp: 786142

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

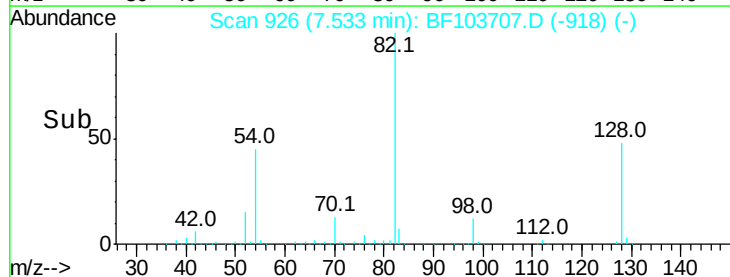
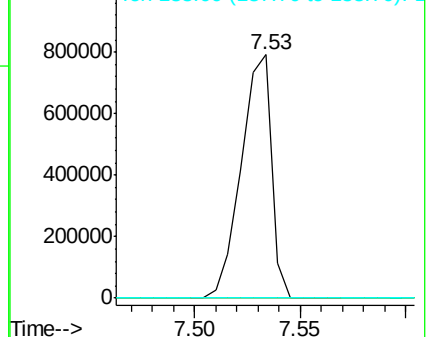
138 0.0 14.9 22.3#

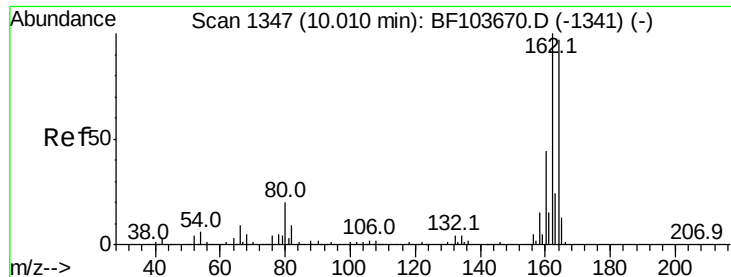


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BF103707.D

Acq: 16 Mar 2018 20:13

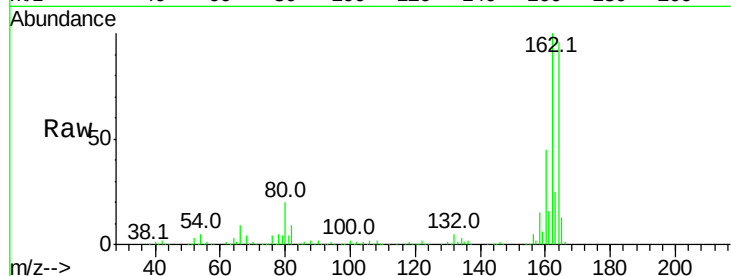
Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 317230

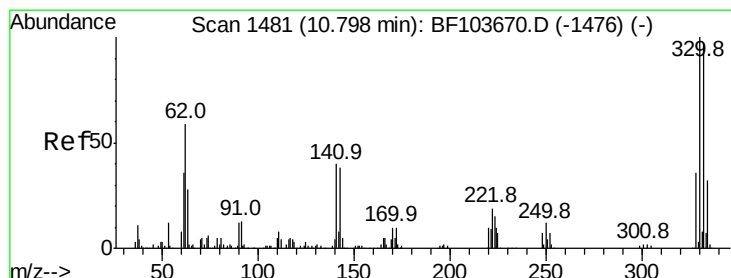
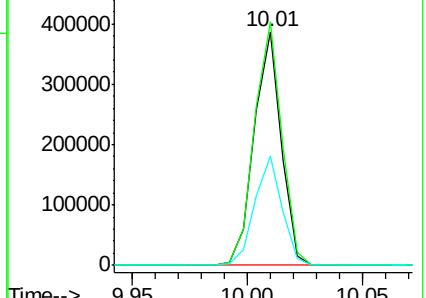
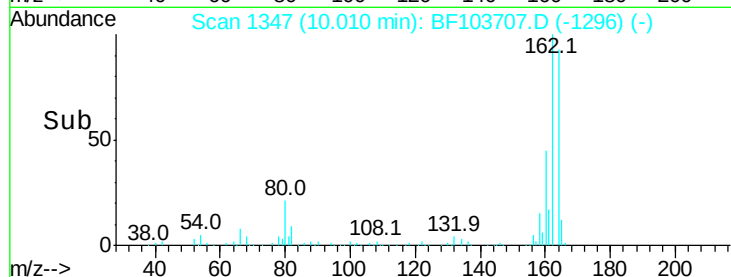
Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	46.8	38.3	57.5



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: 91.005 ng

RT: 10.80 min Scan# 1481

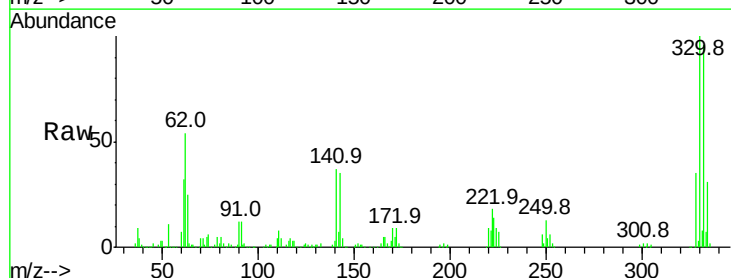
Delta R.T. -0.00 min

Lab File: BF103707.D

Acq: 16 Mar 2018 20:13

Tgt Ion:330 Resp: 248221

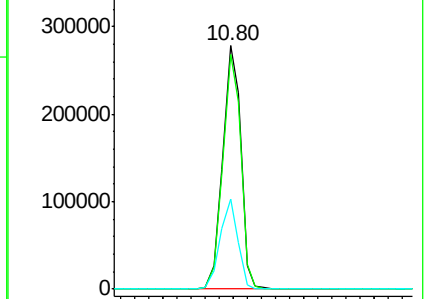
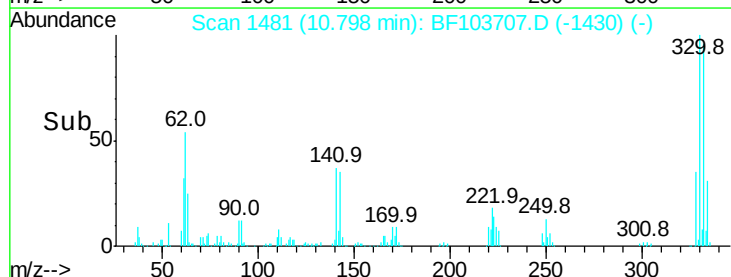
Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	36.4	29.9	44.9

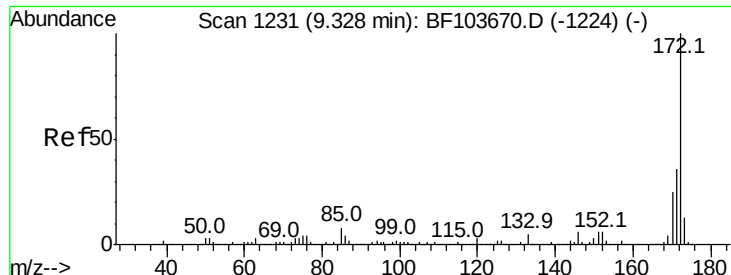


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



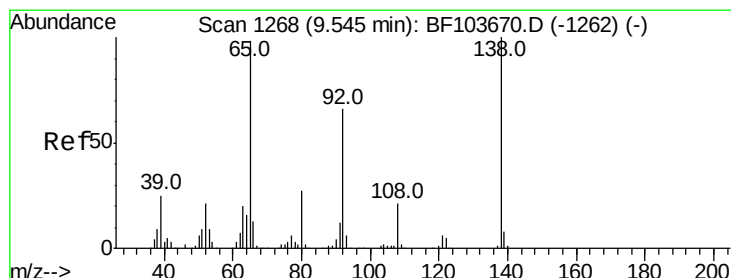
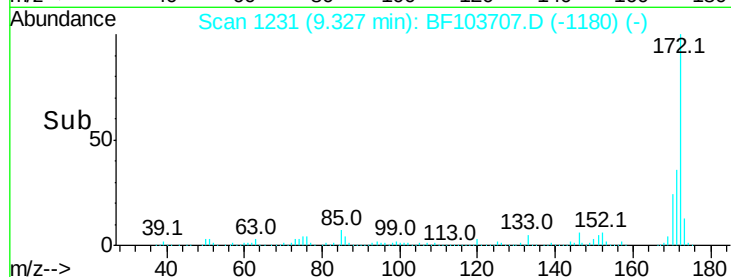
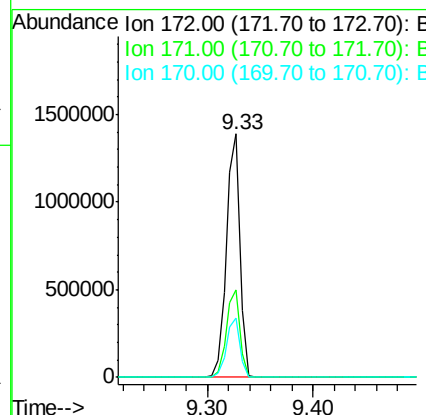
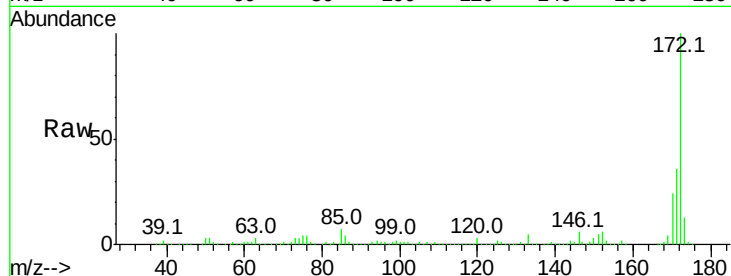


#44
 2-Fluorobiphenyl
 Concen: 63.054 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103707.D
 Acq: 16 Mar 2018 20:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1253967

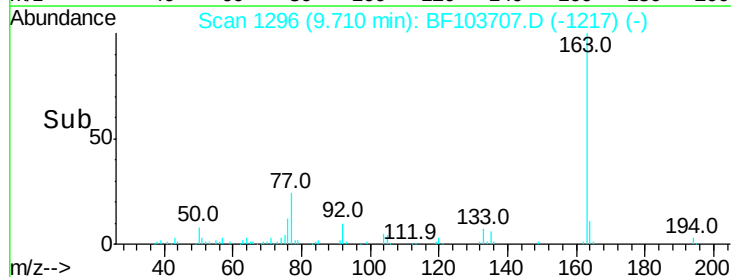
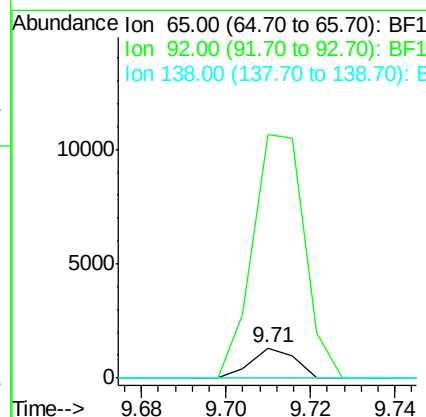
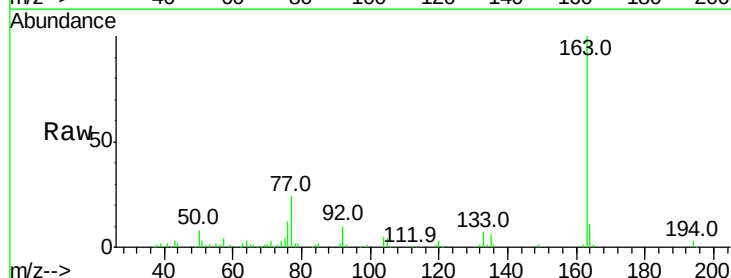
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.2	19.6	29.4

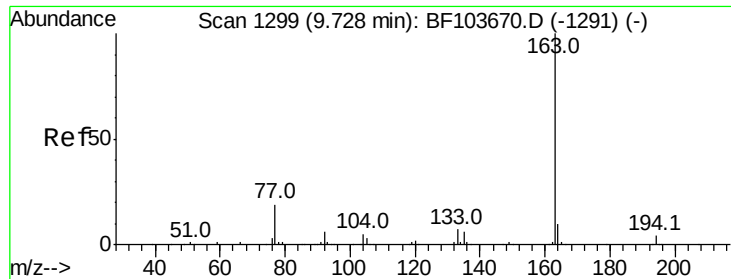


#47
 2-Nitroaniline
 Concen: 6.963 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. 0.16 min
 Lab File: BF103707.D
 Acq: 16 Mar 2018 20:13

Tgt Ion: 65 Resp: 952

Ion	Ratio	Lower	Upper
65	100		
92	808.6	55.8	83.6#
138	0.0	91.2	136.8#





#49

Dimethylphthalate

Concen: 4.164 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103707.D

Acq: 16 Mar 2018 20:13

Instrument :

BNA_F

ClientSampleId :

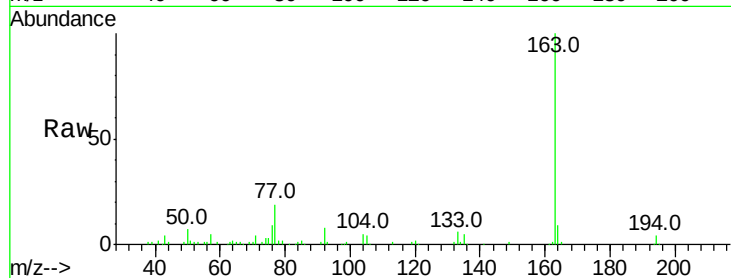
Tot Ion:163 Resp: 100786

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

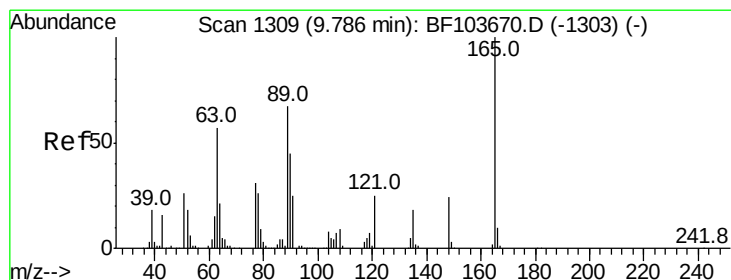
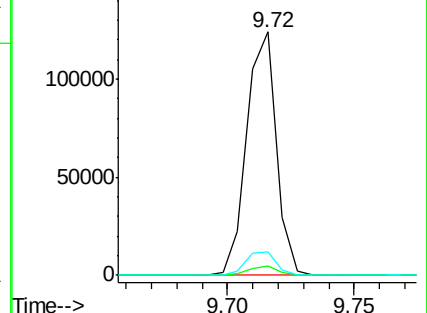
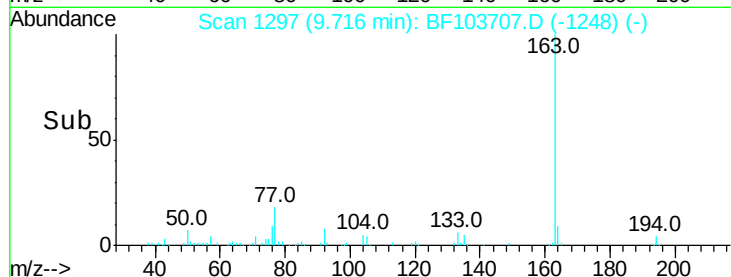
164 9.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 12.032 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.22 min

Lab File: BF103707.D

Acq: 16 Mar 2018 20:13

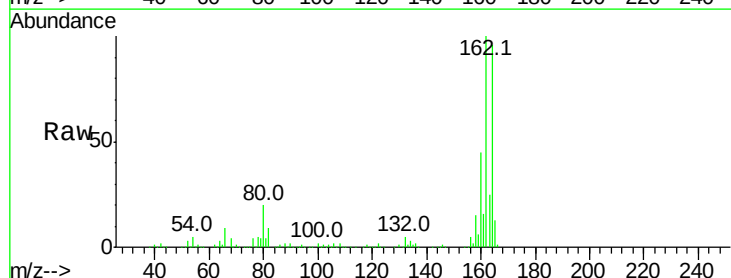
Tgt Ion:165 Resp: 41090

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

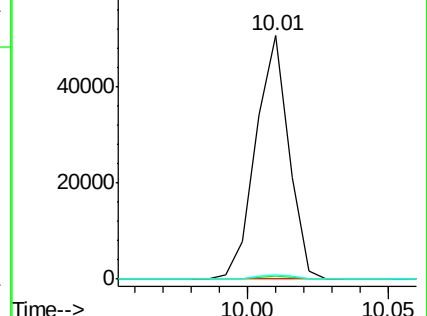
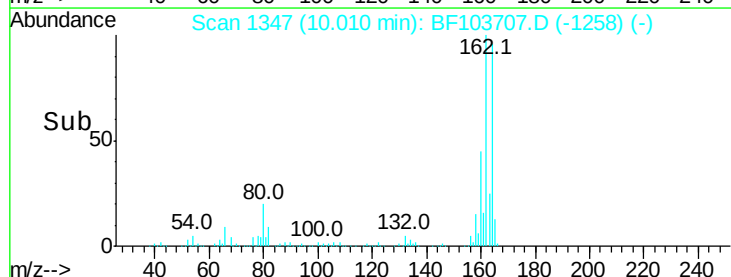
89 1.9 44.0 66.0#

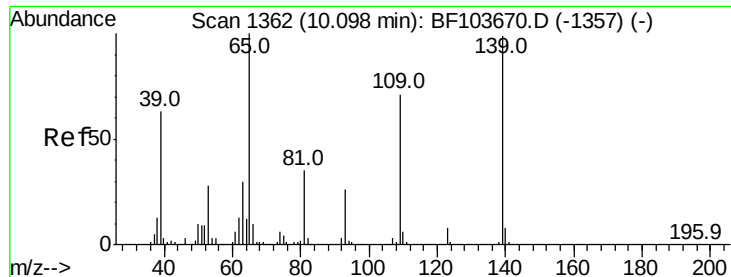


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 4.999 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.11 min

Lab File: BF103707.D

Acq: 16 Mar 2018 20:13

Instrument :

BNA_F

ClientSampled :

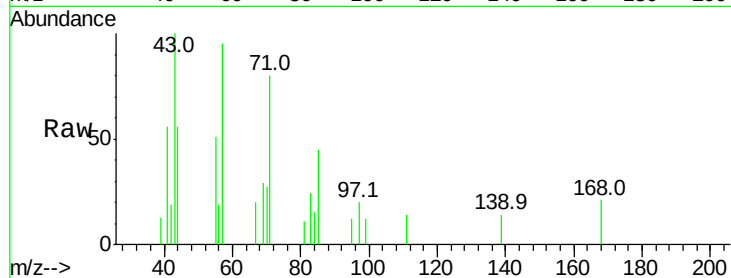
Tot Ion:139 Resp: 139

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

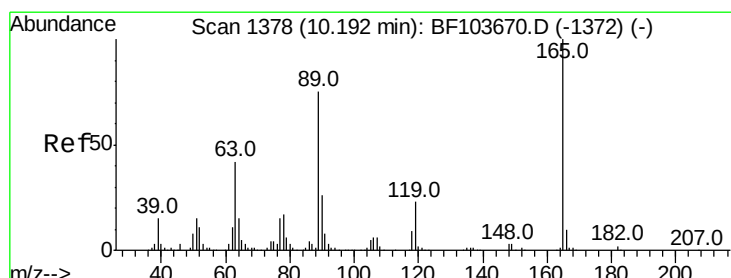
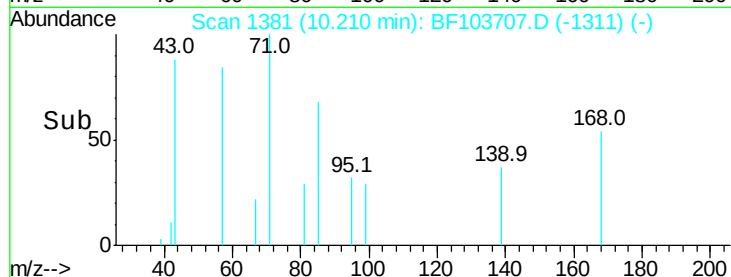
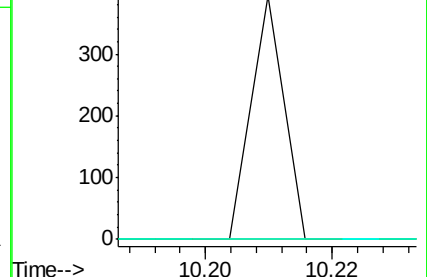
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 12.244 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.18 min

Lab File: BF103707.D

Acq: 16 Mar 2018 20:13

Tgt Ion:165 Resp: 41090

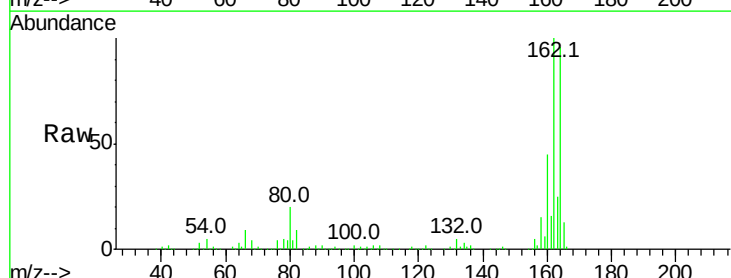
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

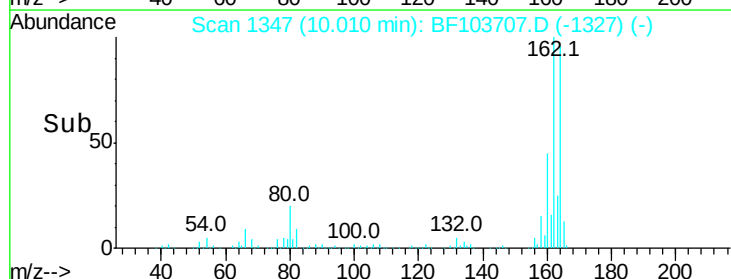
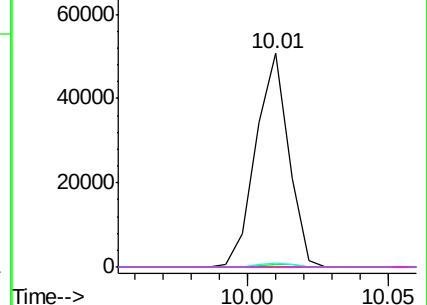


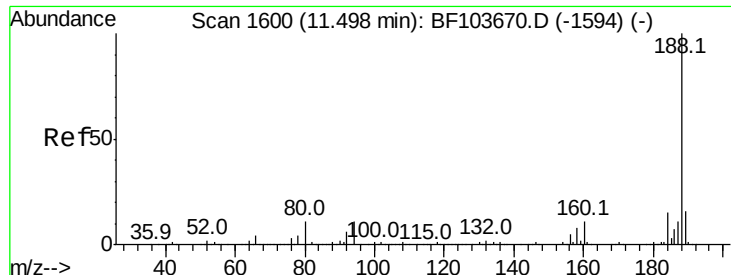
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BF103707.D

Acq: 16 Mar 2018 20:13

Instrument :

BNA_F

ClientSampleId :

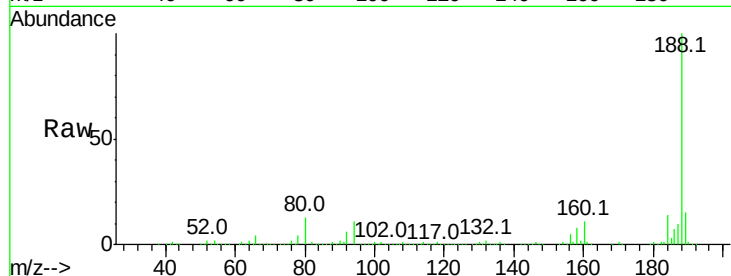
Tot Ion:188 Resp: 493948

Ion Ratio Lower Upper

188 100

94 11.5 8.5 12.7

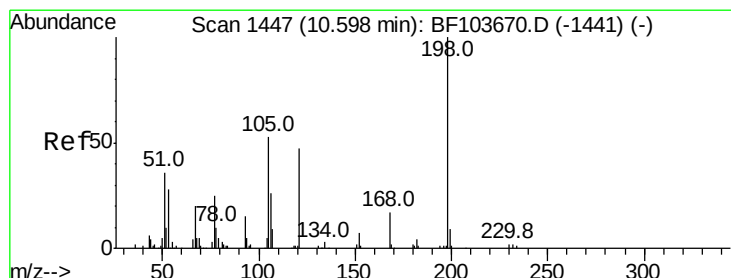
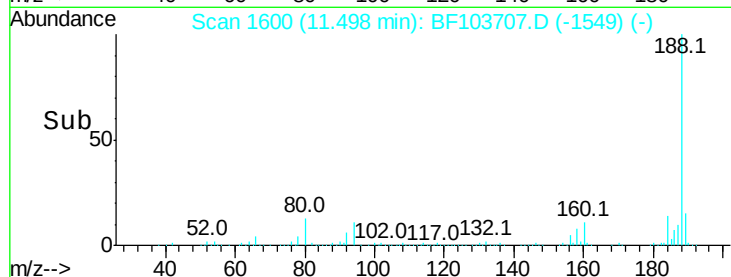
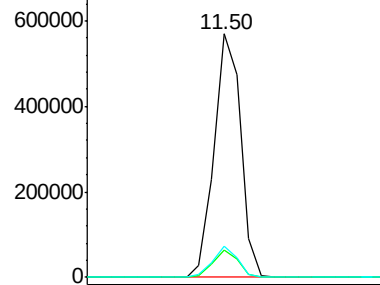
80 12.6 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 8.430 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.21 min

Lab File: BF103707.D

Acq: 16 Mar 2018 20:13

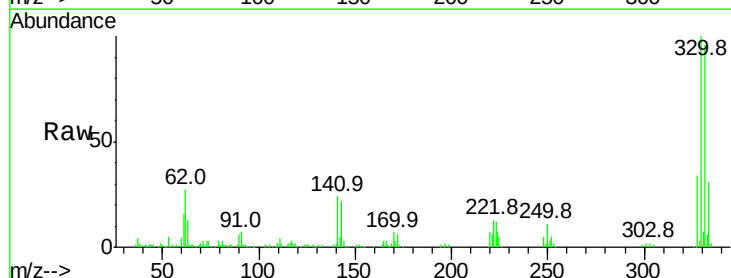
Tgt Ion:198 Resp: 517

Ion Ratio Lower Upper

198 100

51 72.2 37.7 77.7

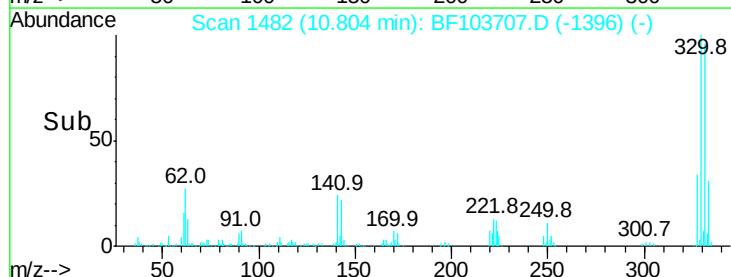
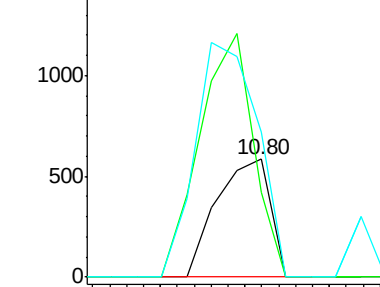
105 122.4 36.3 76.3#

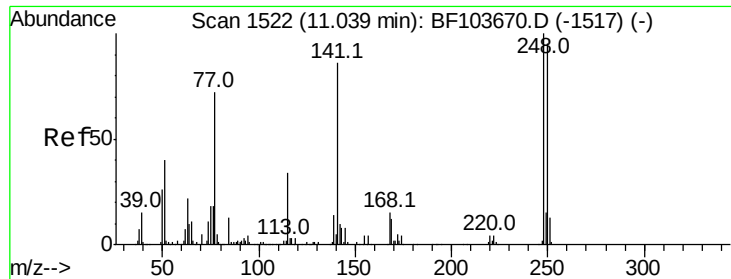


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

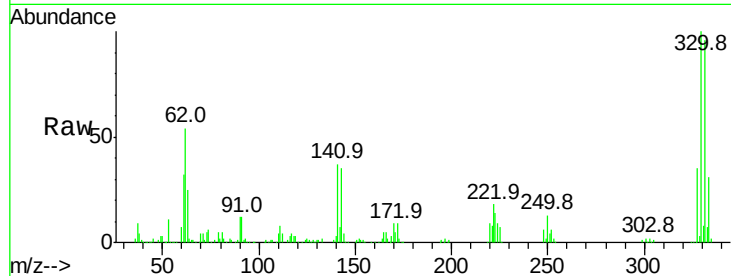




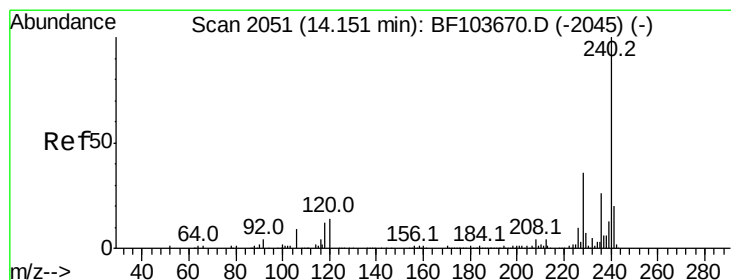
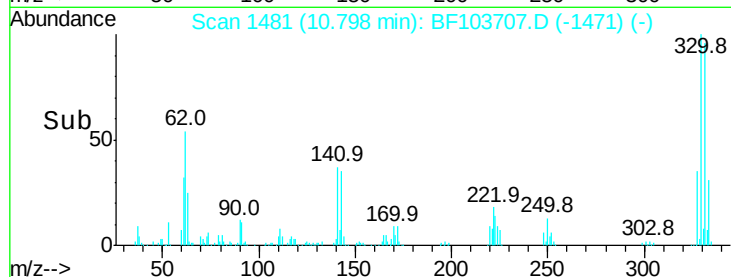
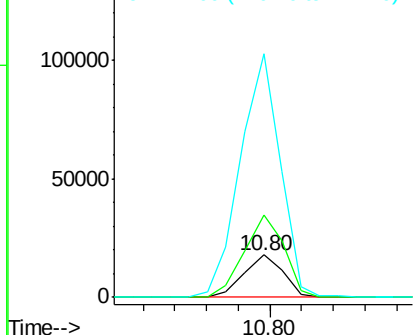
#66
 4-Bromophenyl-phenylether
 Concen: 3.070 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.24 min
 Lab File: BF103707.D
 Acq: 16 Mar 2018 20:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 15570
 Ion Ratio Lower Upper
 248 100
 250 195.6 76.9 115.3#
 141 574.1 74.4 111.6#

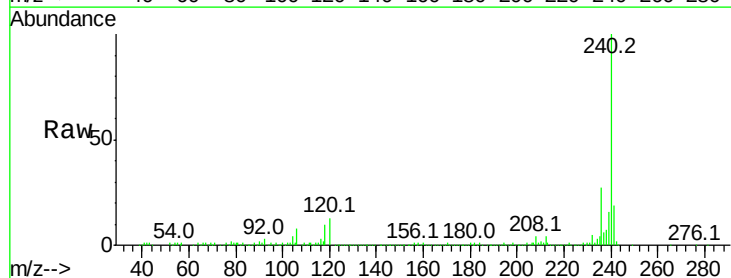


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

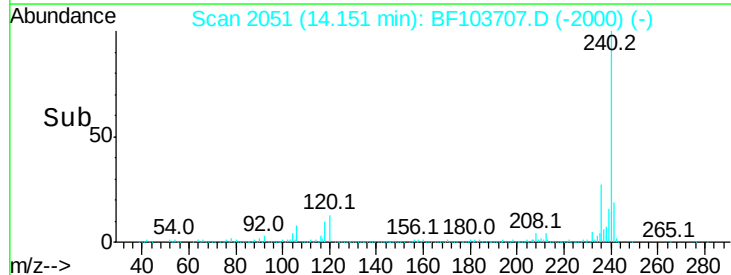
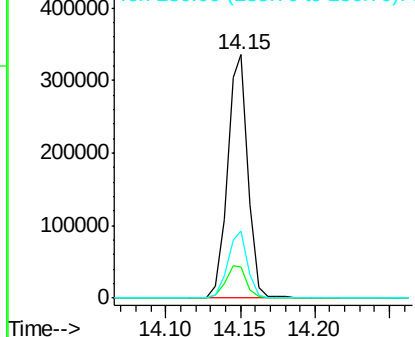


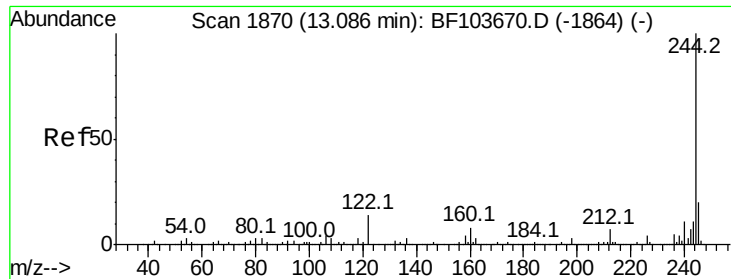
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BF103707.D
 Acq: 16 Mar 2018 20:13

Tgt Ion:240 Resp: 324994
 Ion Ratio Lower Upper
 240 100
 120 12.6 9.5 14.3
 236 27.4 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

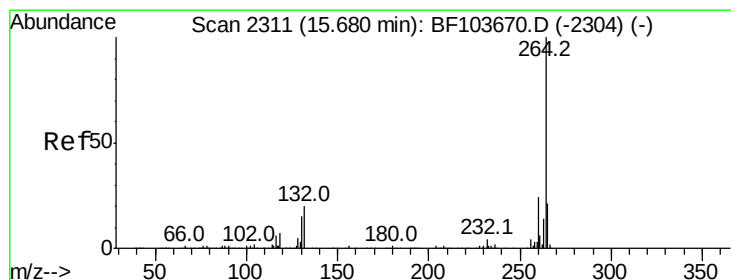
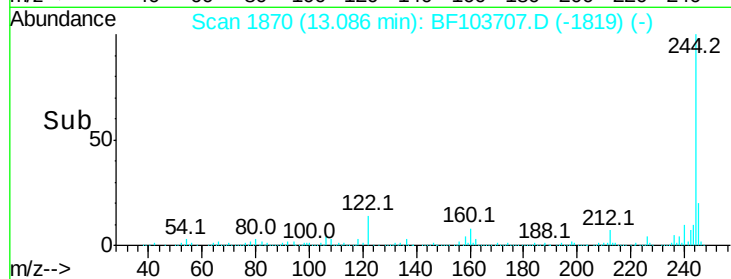
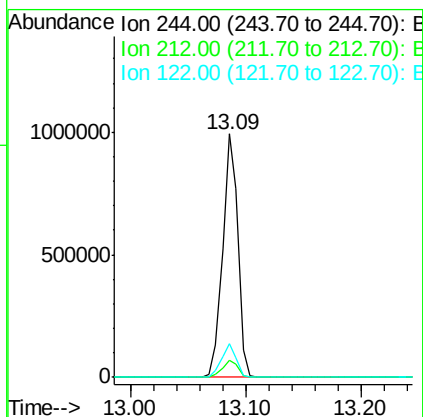
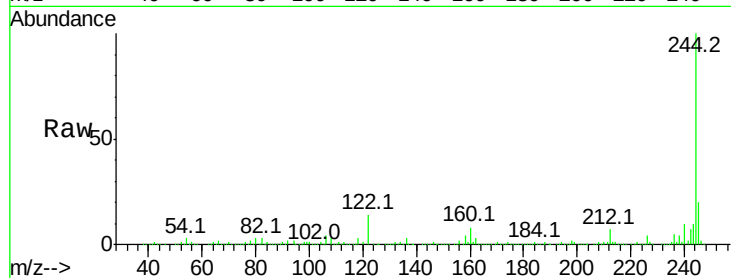




#78
 Terphenyl-d14
 Concen: 64.441 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: BF103707.D
 Acq: 16 Mar 2018 20:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 902267
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 13.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: BF103707.D
 Acq: 16 Mar 2018 20:13

Tgt Ion:264 Resp: 297271
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 21.6 17.5 26.3

