

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106377.D
 Acq On : 13 Jun 2018 7:05
 Operator : JU/SJ
 Sample : J3164-20
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 13 08:08:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	102174	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	336708	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	139866	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	301120	20.00	ng	0.00
75) Chrysene-d12	14.15	240	307048	20.00	ng	0.00
86) Perylene-d12	15.69	264	204830	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	309581	51.28	ng	0.04
7) Phenol-d6	6.64	99	213526	28.00	ng	0.05
23) Nitrobenzene-d5	7.53	82	474643	82.93	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	178036	132.29	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	782668	107.93	ng	0.00
78) Terphenyl-d14	13.09	244	961551	77.78	ng	0.00

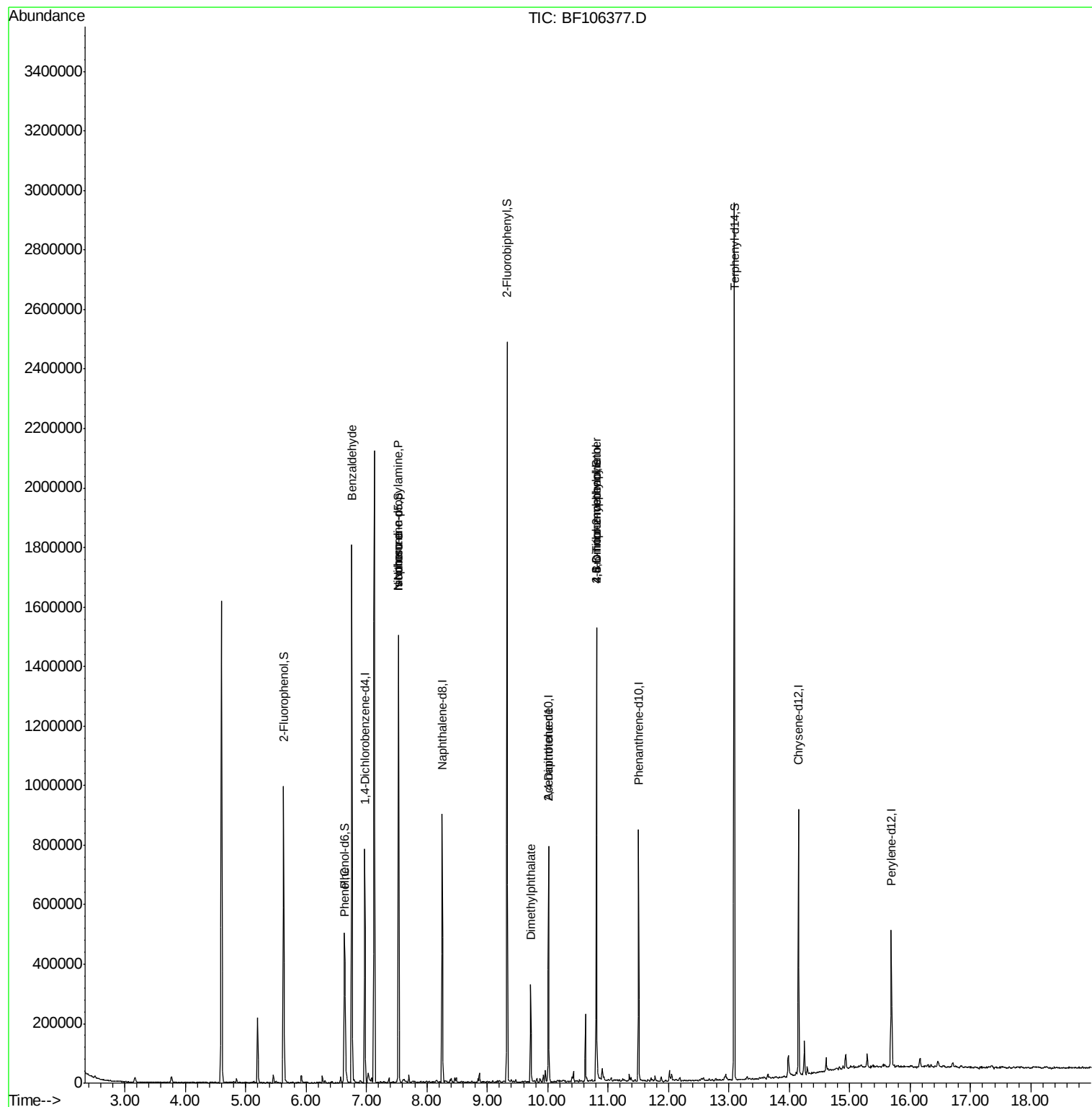
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	12451	2.152	ng	# 75
10) Phenol	6.65	94	17146	2.059	ng	# 55
19) n-Nitroso-di-n-propylamine	7.53	70	64125	11.207	ng	# 77
25) Isophorone	7.53	82	474632	42.456	ng	# 64
49) Dimethylphthalate	9.72	163	110740	11.082	ng	# 99
56) 2,4-Dinitrotoluene	10.01	165	18276	7.130	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.81	198	318	6.465	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	11220	3.276	ng	# 1

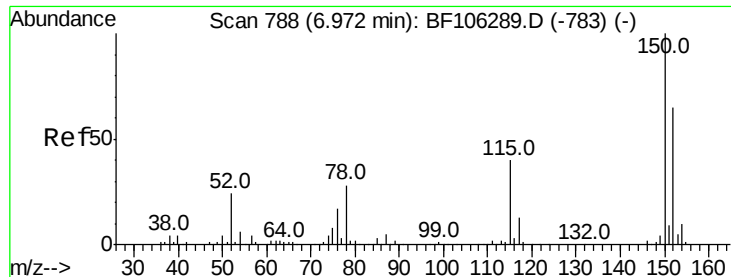
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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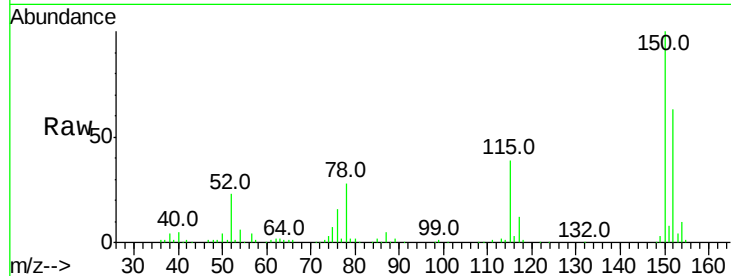


#1

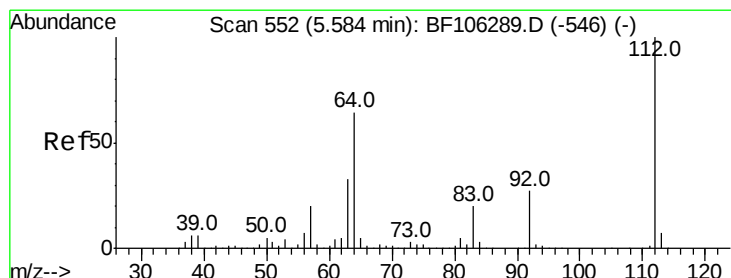
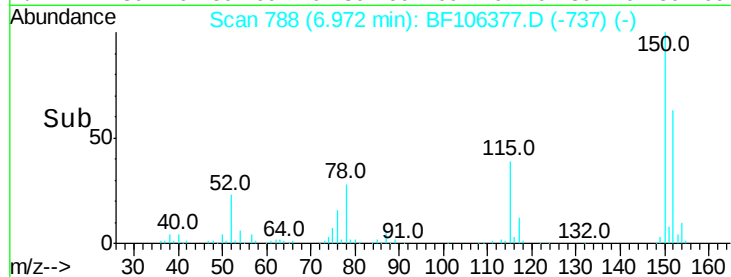
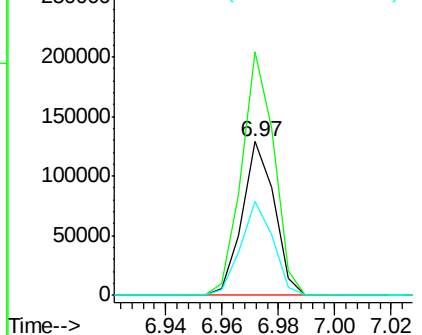
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106377.D
Acq: 13 Jun 2018 7:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 102174
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 61.2 50.1 75.1



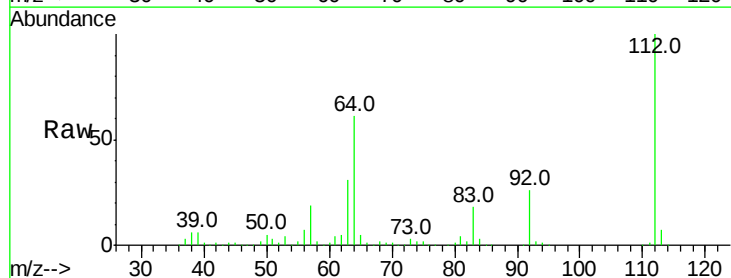
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



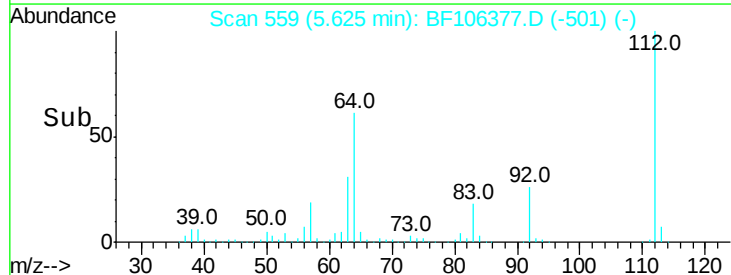
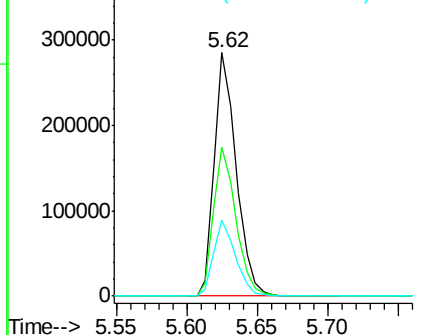
#5

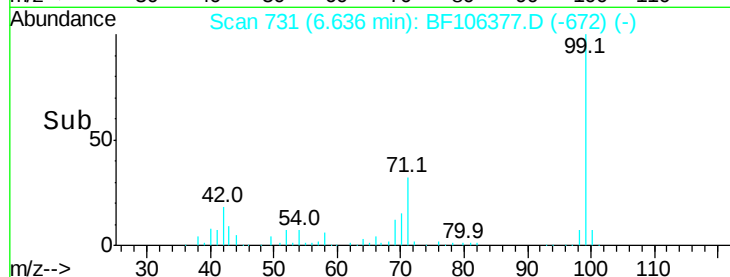
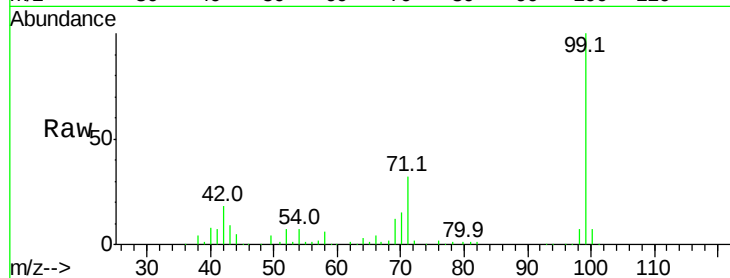
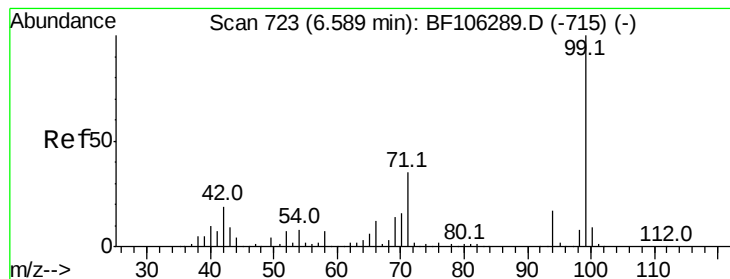
2-Fluorophenol
Concen: 51.282 ng
RT: 5.62 min Scan# 559
Delta R.T. 0.04 min
Lab File: BF106377.D
Acq: 13 Jun 2018 7:05

Tgt Ion:112 Resp: 309581
Ion Ratio Lower Upper
112 100
64 61.1 47.9 71.9
63 31.3 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: 27.996 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.05 min

Lab File: BF106377.D

Acq: 13 Jun 2018 7:05

Instrument :

BNA_F

ClientSampled :

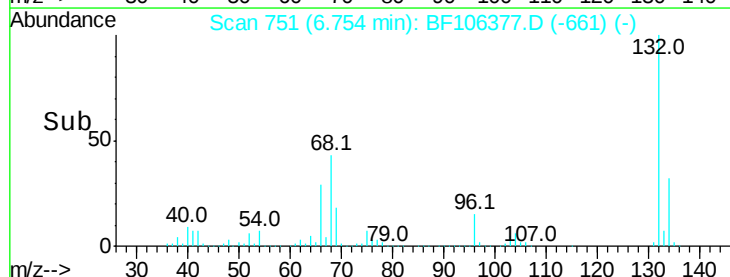
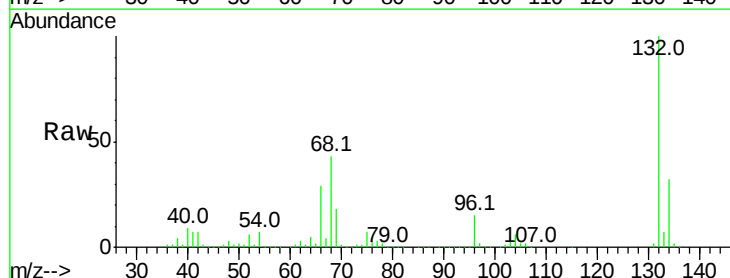
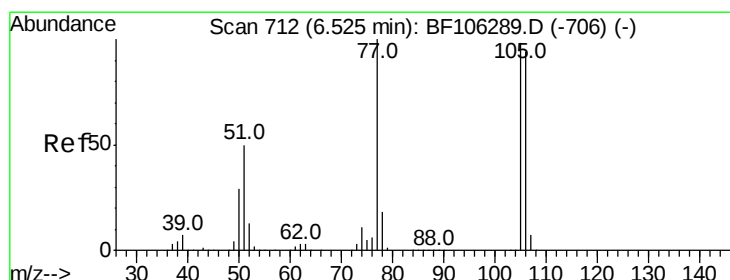
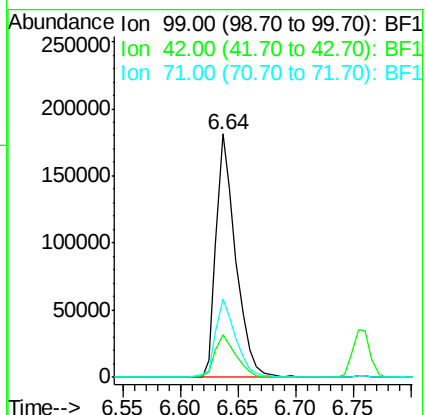
Tot Ion: 99 Resp: 213526

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

71 32.5 25.4 38.0



#9

Benzaldehyde

Concen: 2.152 ng

RT: 6.75 min Scan# 751

Delta R.T. 0.23 min

Lab File: BF106377.D

Acq: 13 Jun 2018 7:05

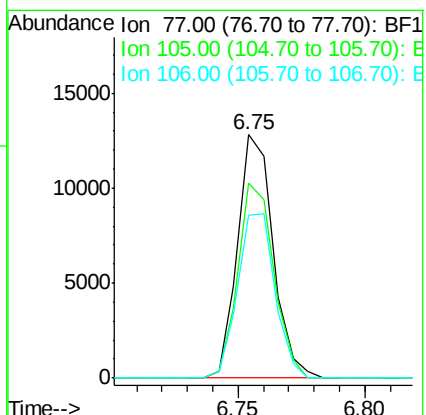
Tgt Ion: 77 Resp: 12451

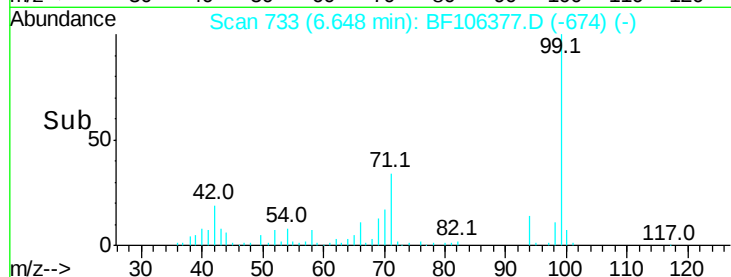
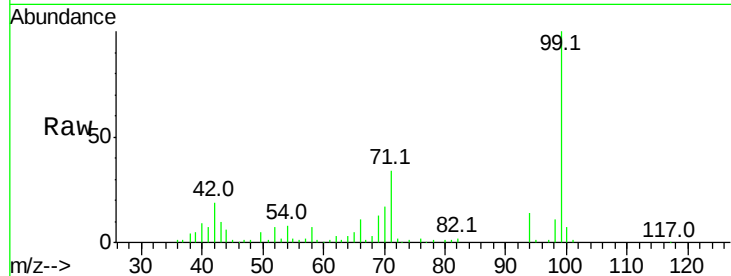
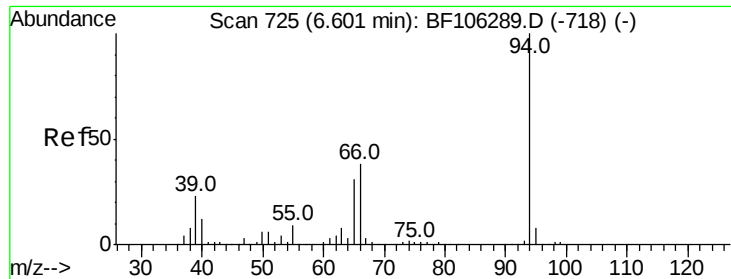
Ion Ratio Lower Upper

77 100

105 80.2 81.1 121.1#

106 66.9 74.5 114.5#





#10

Phenol

Concen: 2.059 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.05 min

Lab File: BF106377.D

Acq: 13 Jun 2018 7:05

Instrument :

BNA_F

ClientSampleId :

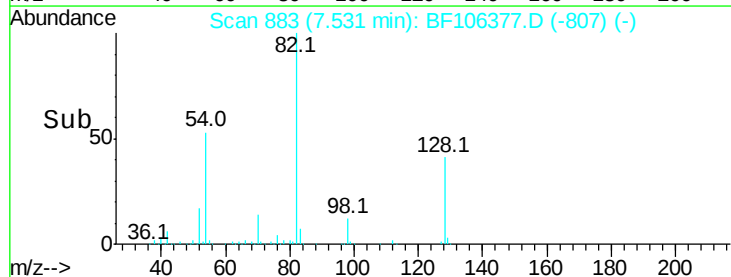
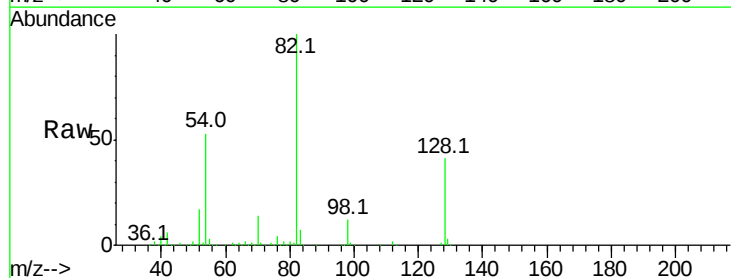
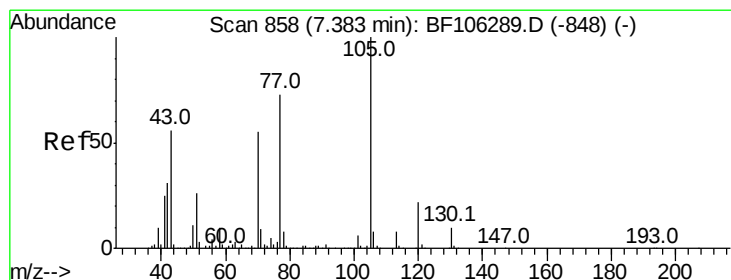
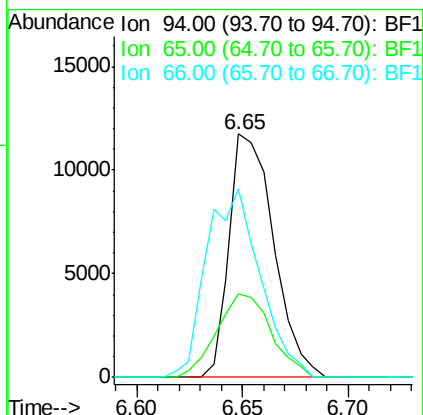
Tot Ion: 94 Resp: 17146

Ion Ratio Lower Upper

94 100

65 34.5 7.9 47.9

66 77.6 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 11.207 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF106377.D

Acq: 13 Jun 2018 7:05

Tgt Ion: 70 Resp: 64125

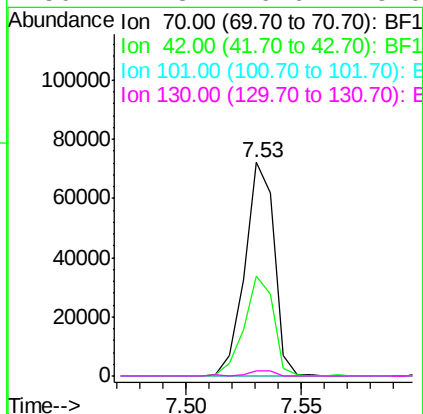
Ion Ratio Lower Upper

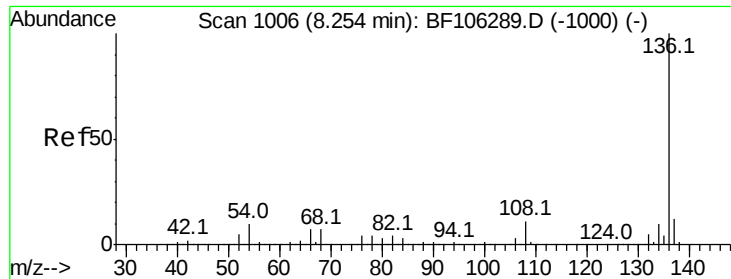
70 100

42 46.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

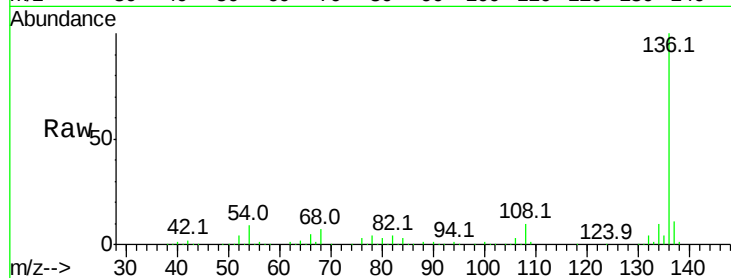




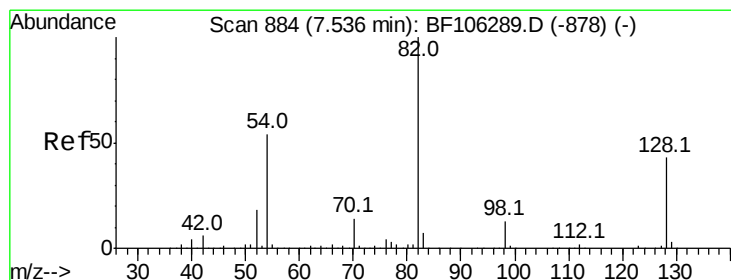
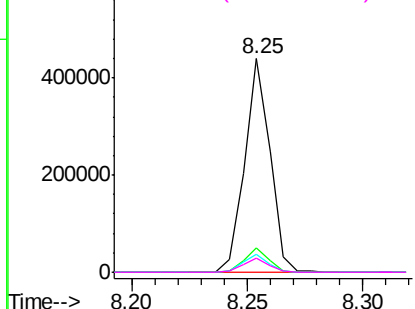
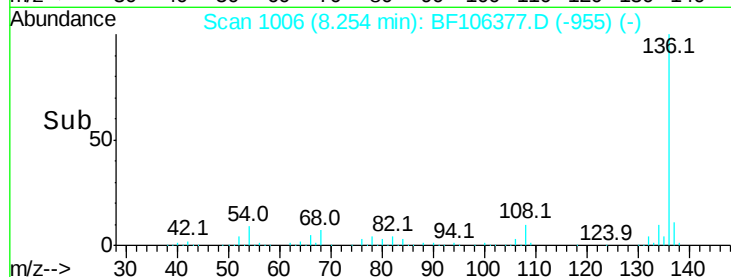
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BF106377.D
Acq: 13 Jun 2018 7:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	336708
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.6	6.6	9.8
68	6.6	5.0	7.4

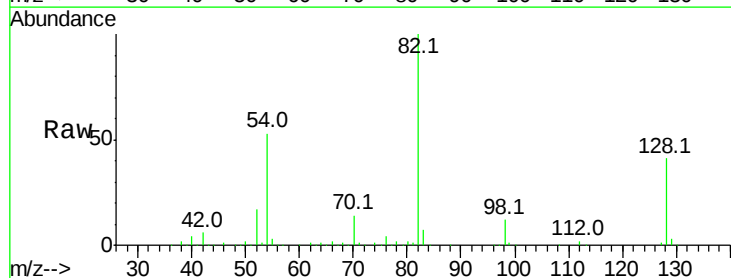


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

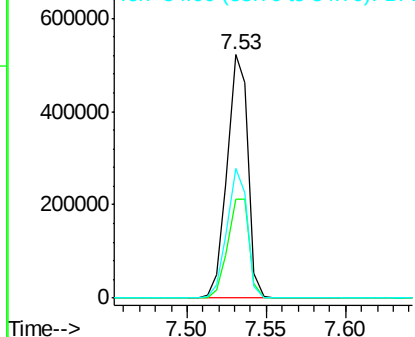
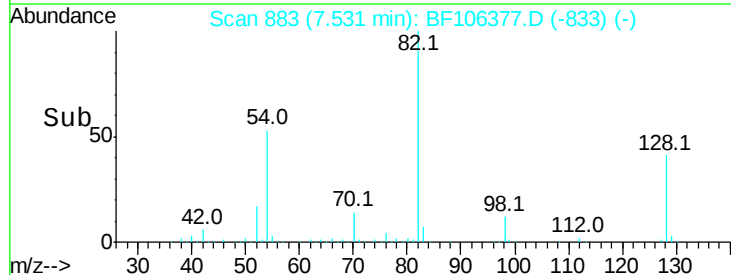


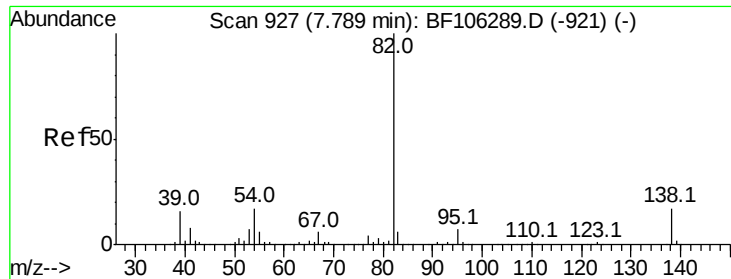
#23
Nitrobenzene-d5
Concen: 82.928 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106377.D
Acq: 13 Jun 2018 7:05

Tgt Ion:	82	Resp:	474643
Ion	Ratio	Lower	Upper
82	100		
128	40.8	36.1	54.1
54	53.1	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: 42.456 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF106377.D

Acq: 13 Jun 2018 7:05

Instrument :

BNA_F

ClientSampleId :

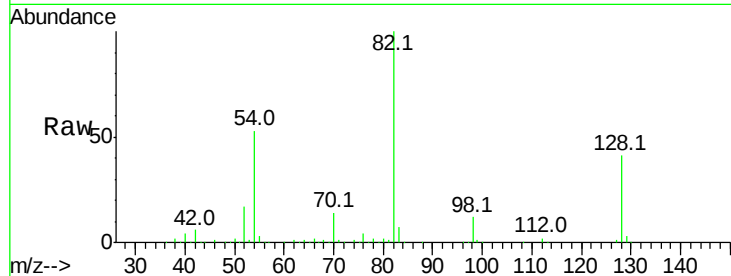
Tot Ion: 82 Resp: 474632

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

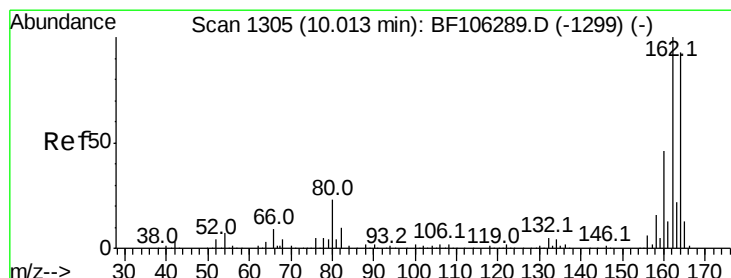
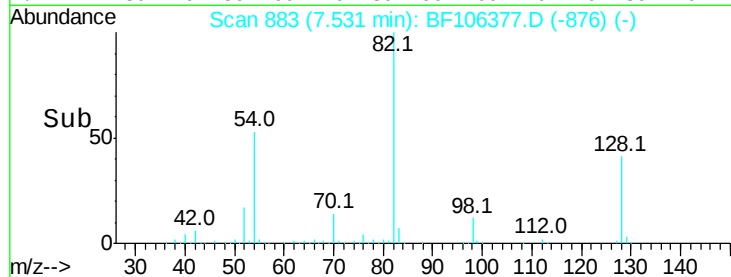
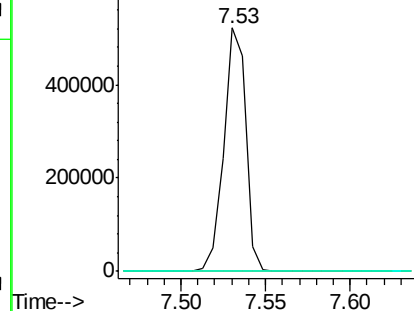
138 0.0 14.9 22.3#



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# 1305

Delta R.T. 0.00 min

Lab File: BF106377.D

Acq: 13 Jun 2018 7:05

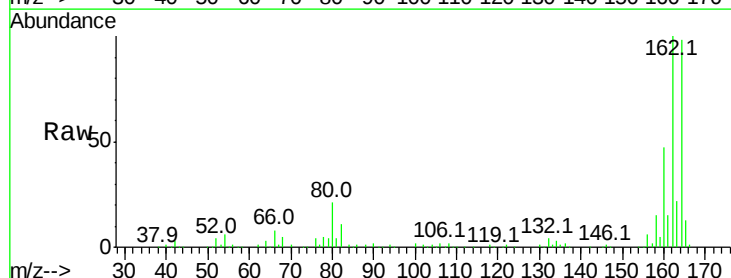
Tgt Ion:164 Resp: 139866

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

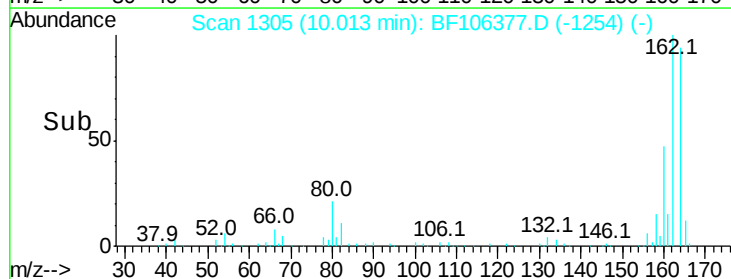
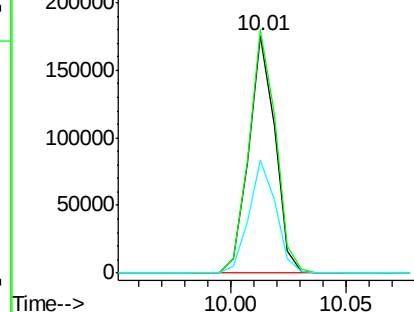
160 47.7 38.3 57.5

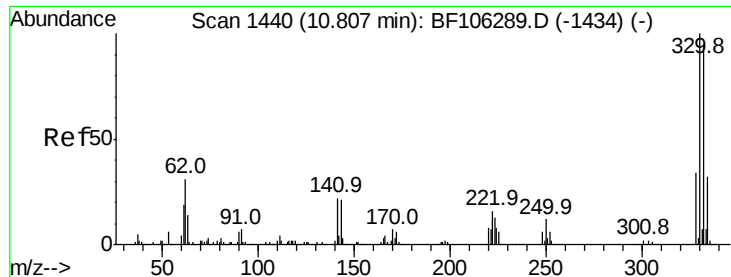


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

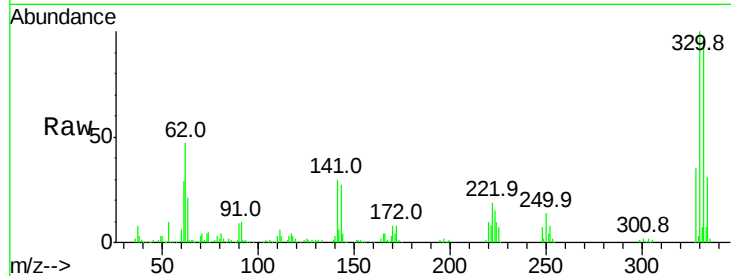




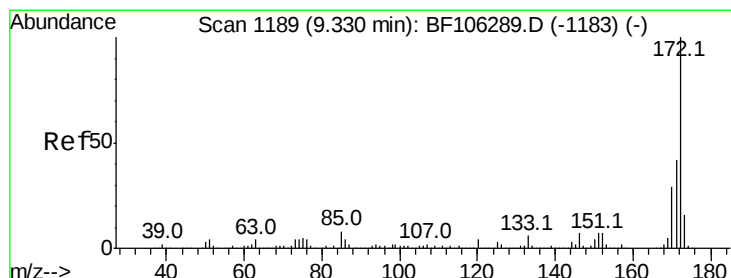
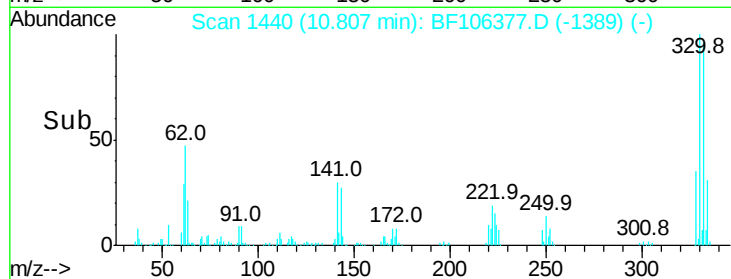
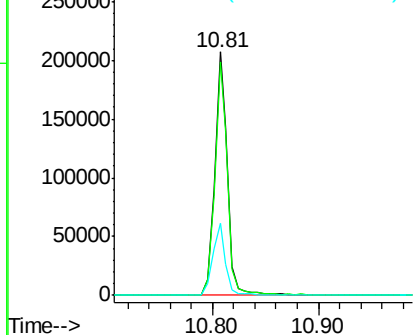
#41
 2,4,6-Tribromophenol
 Concen: 132.295 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF106377.D
 Acq: 13 Jun 2018 7:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	29.9	29.9	44.9#

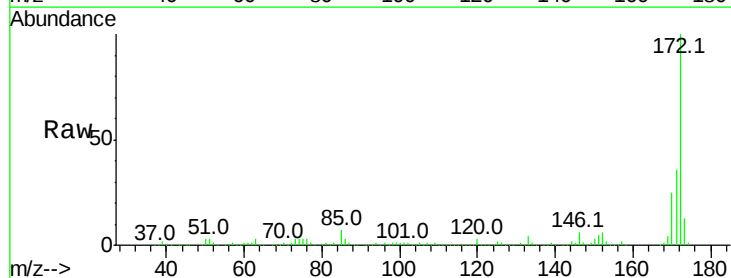


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

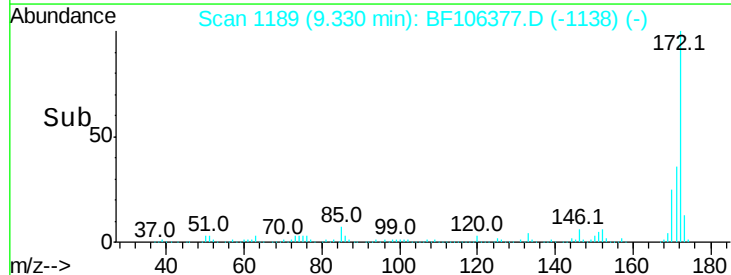
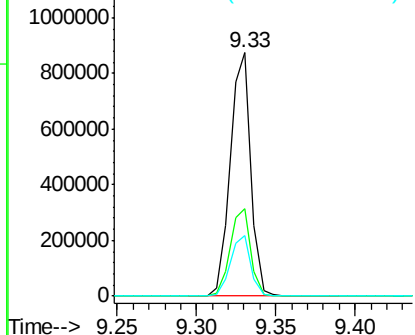


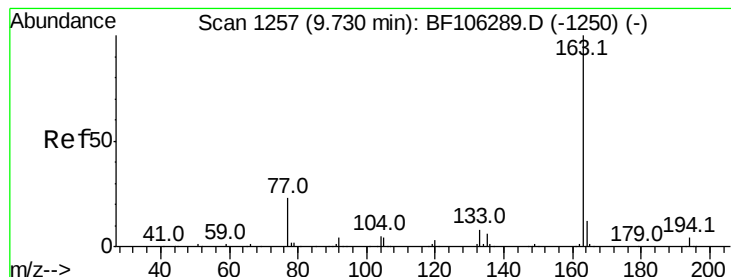
#44
 2-Fluorobiphenyl
 Concen: 107.927 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF106377.D
 Acq: 13 Jun 2018 7:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	25.0	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





#49

Dimethylphthalate

Concen: 11.082 ng

RT: 9.72 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF106377.D

Acq: 13 Jun 2018 7:05

Instrument :

BNA_F

ClientSampleId :

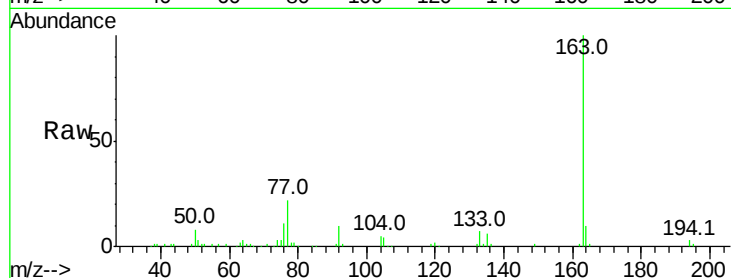
Tot Ion:163 Resp: 110740

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

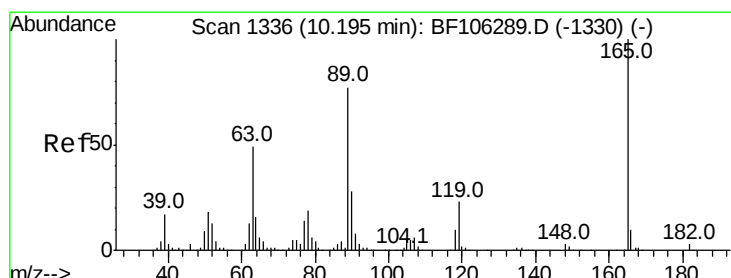
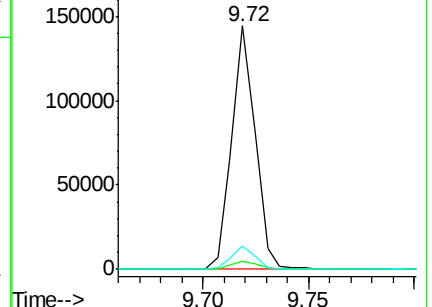
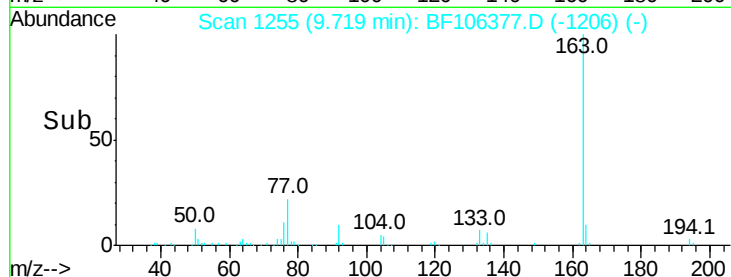
164 9.9 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 7.130 ng

RT: 10.01 min Scan# 1305

Delta R.T. -0.18 min

Lab File: BF106377.D

Acq: 13 Jun 2018 7:05

Tgt Ion:165 Resp: 18276

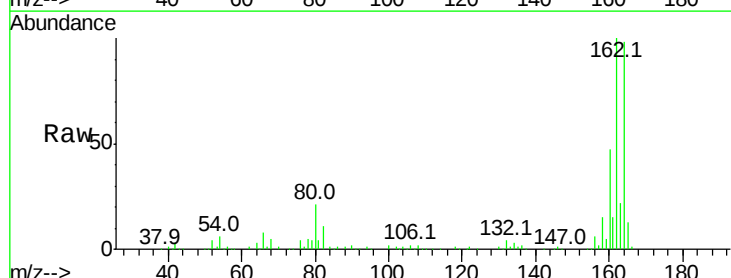
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

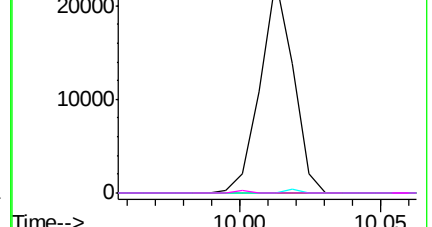
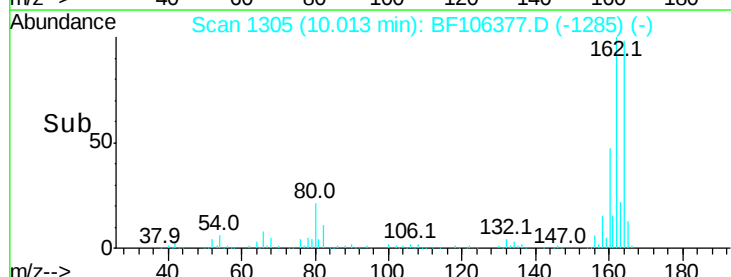


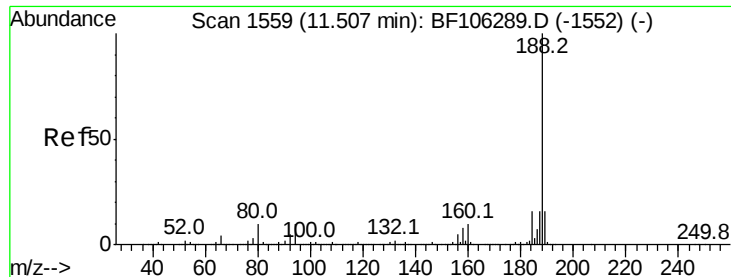
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.51 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BF106377.D

Acq: 13 Jun 2018 7:05

Instrument :

BNA_F

ClientSampleId :

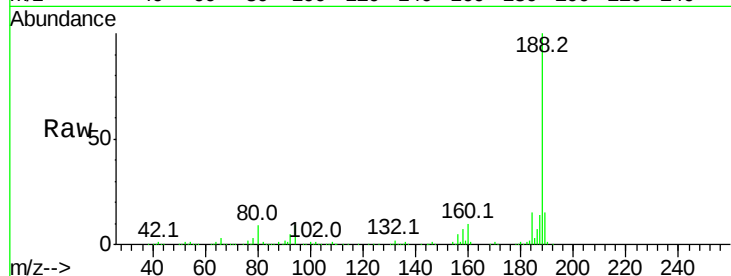
Tot Ion:188 Resp: 301120

Ion Ratio Lower Upper

188 100

94 8.8 8.5 12.7

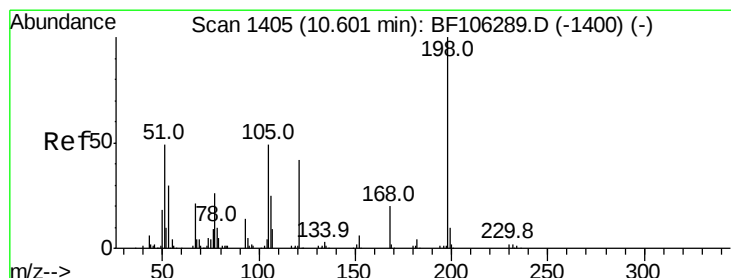
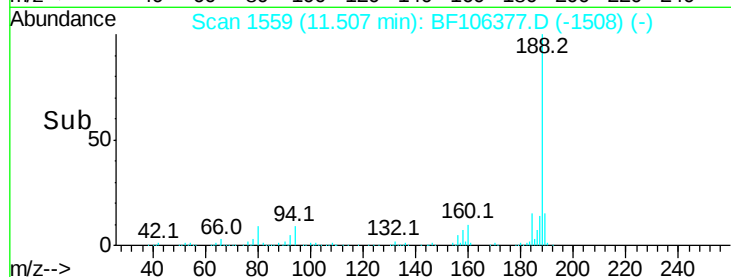
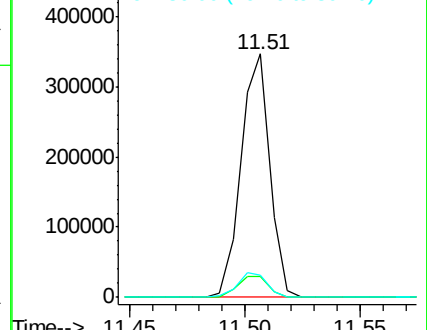
80 9.1 9.2 13.8#



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: 6.465 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.21 min

Lab File: BF106377.D

Acq: 13 Jun 2018 7:05

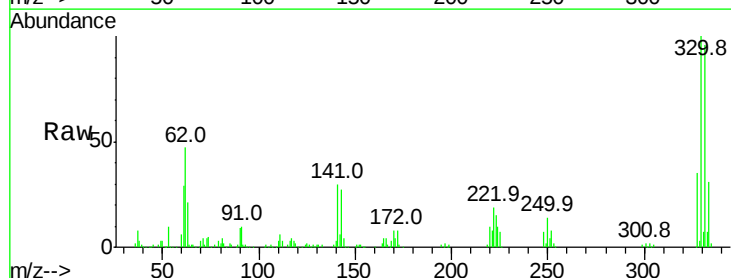
Tgt Ion:198 Resp: 318

Ion Ratio Lower Upper

198 100

51 165.6 37.7 77.7#

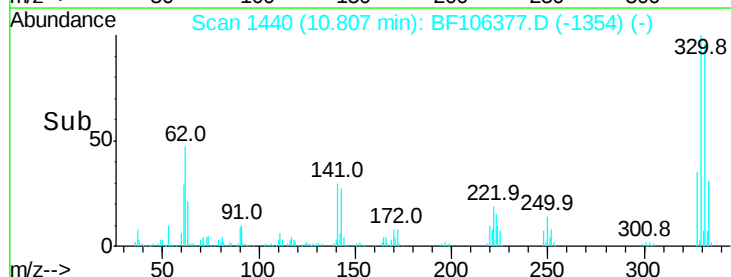
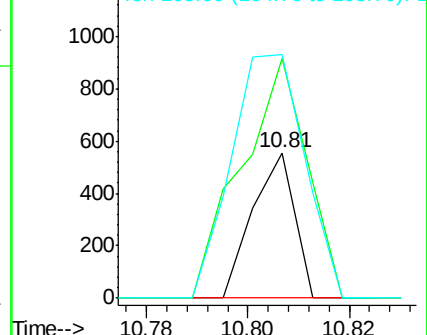
105 167.7 36.3 76.3#

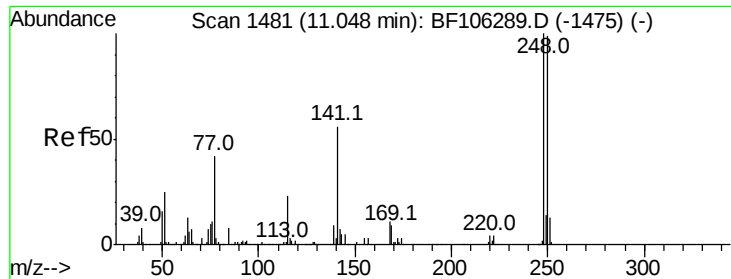


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

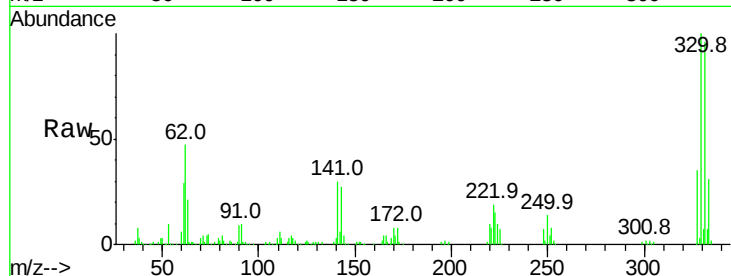




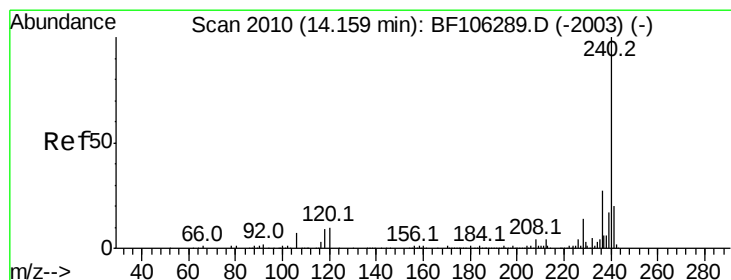
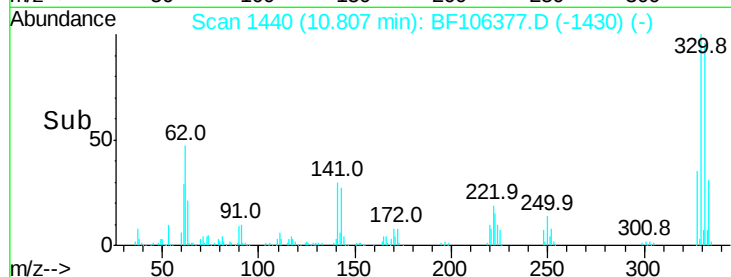
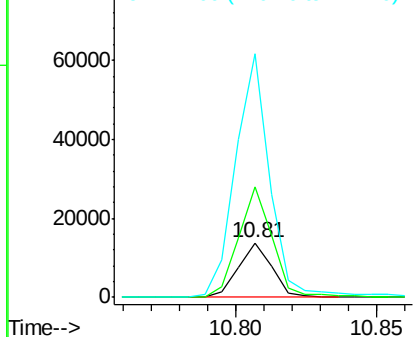
#66
4-Bromophenyl-phenylether
Concen: 3.276 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF106377.D
Acq: 13 Jun 2018 7:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11220
Ion Ratio Lower Upper
248 100
250 203.8 76.9 115.3#
141 447.8 74.4 111.6#

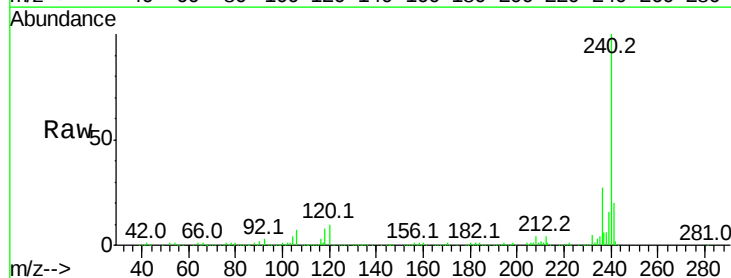


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

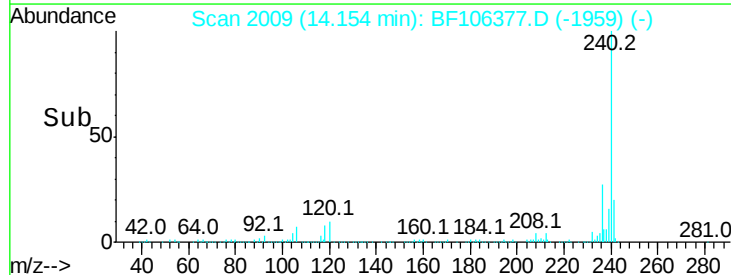
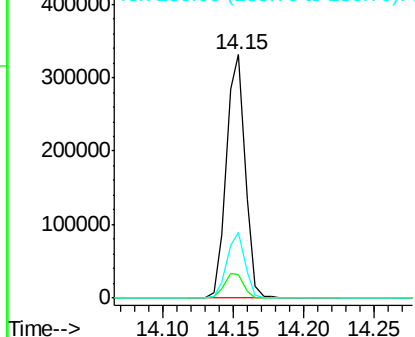


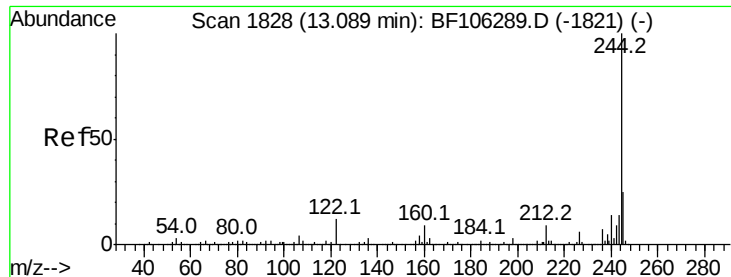
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF106377.D
Acq: 13 Jun 2018 7:05

Tgt Ion:240 Resp: 307048
Ion Ratio Lower Upper
240 100
120 9.9 9.5 14.3
236 26.8 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: 77.782 ng

RT: 13.09 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BF106377.D

Acq: 13 Jun 2018 7:05

Instrument :

BNA_F

ClientSampleId :

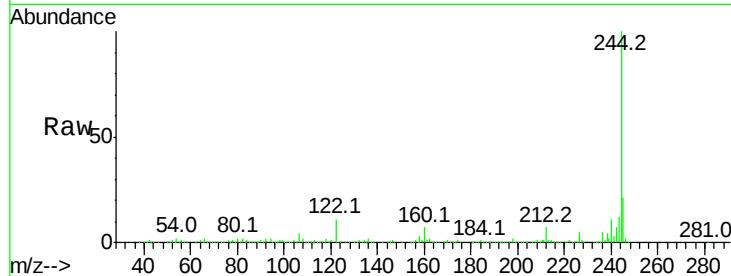
Tot Ion:244 Resp: 961551

Ion Ratio Lower Upper

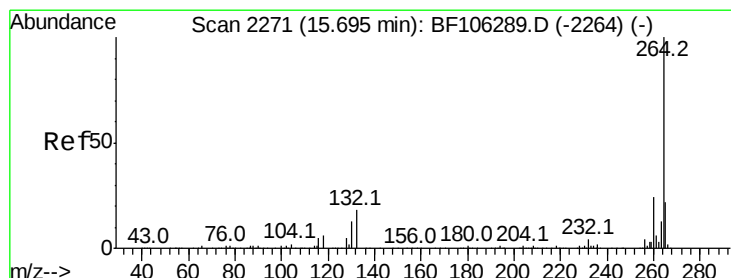
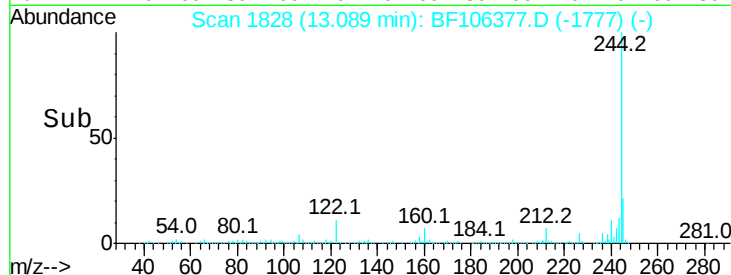
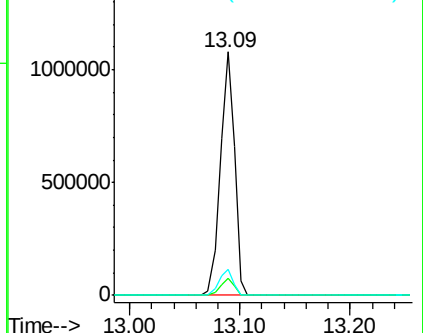
244 100

212 7.1 5.4 8.0

122 10.6 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF106377.D

Acq: 13 Jun 2018 7:05

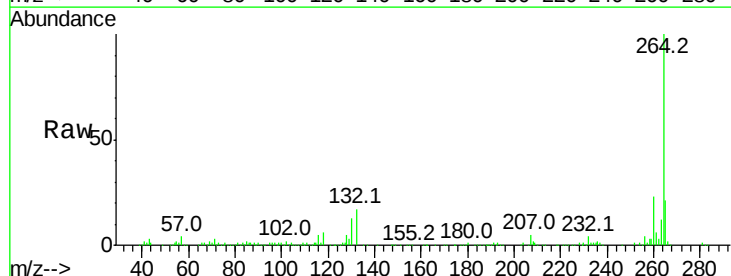
Tgt Ion:264 Resp: 204830

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 20.7 17.5 26.3



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

