

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103686.D
 Acq On : 16 Mar 2018 10:37
 Operator : JU/SJ
 Sample : PB107358BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 16 13:27:37 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 13:24:19 2018
 Response via : Initial Calibration

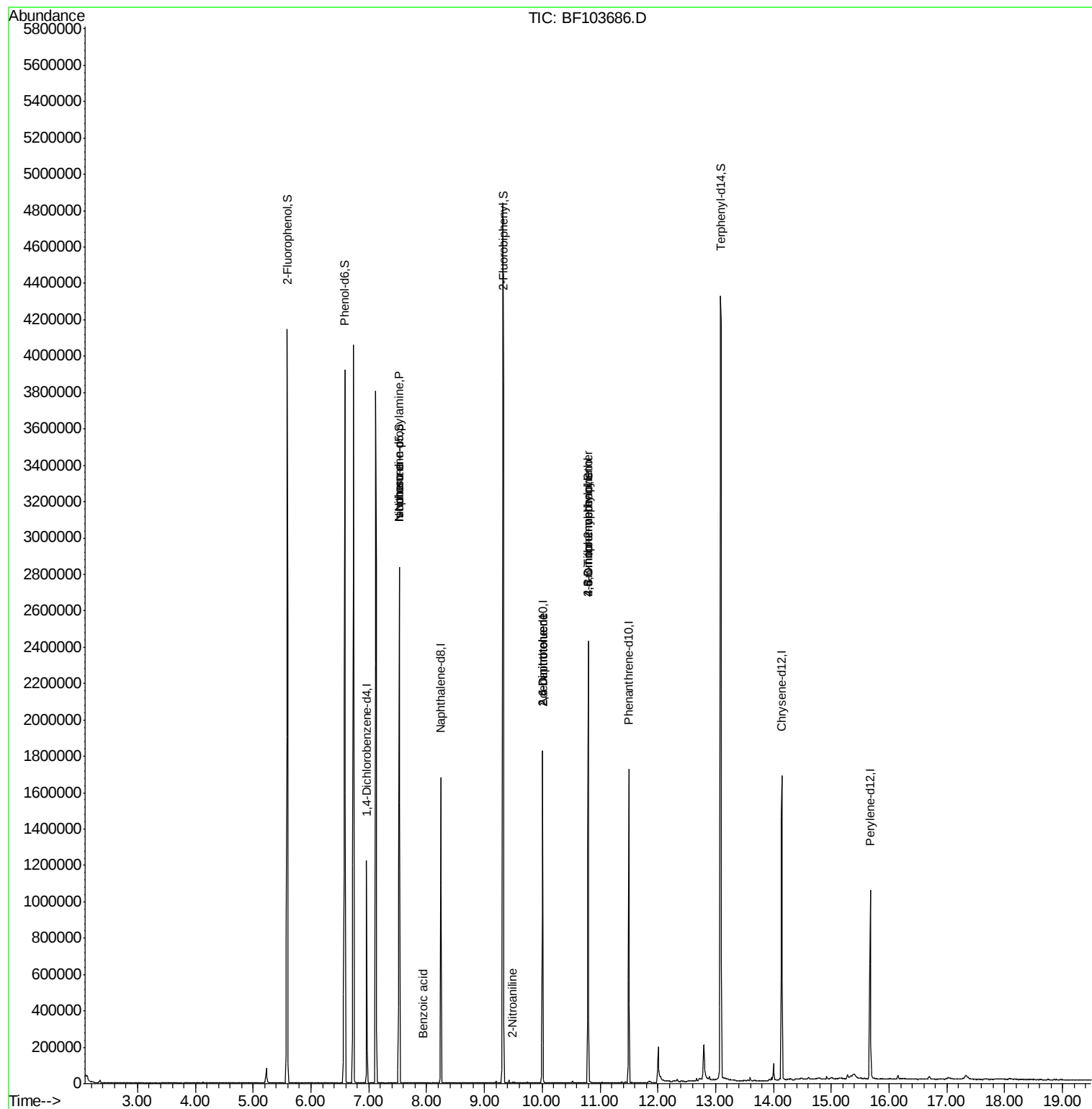
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	170543	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	695522	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	332468	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	620391	20.00	ng	0.00
75) Chrysene-d12	14.14	240	545221	20.00	ng	0.00
86) Perylene-d12	15.67	264	483503	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1361424	121.42	ng	0.01
7) Phenol-d6	6.59	99	1646957	120.06	ng	0.00
23) Nitrobenzene-d5	7.53	82	1001950	100.46	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	297557	104.09	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1703863	81.75	ng	0.00
78) Terphenyl-d14	13.09	244	1785435	76.01	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	132275	15.046	ng	# 74
25) Isophorone	7.53	82	1001932	43.396	ng	# 64
32) Benzoic acid	7.95	122	130	9.920	ng	# 54
47) 2-Nitroaniline	9.49	65	237	6.850	ng	# 2
50) 2,6-Dinitrotoluene	10.00	165	42570	11.939	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	42570	12.175	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.79	198	737	8.472	ng	# 1
66) 4-Bromophenyl-phenylether	10.79	248	17912	2.812	ng	# 1

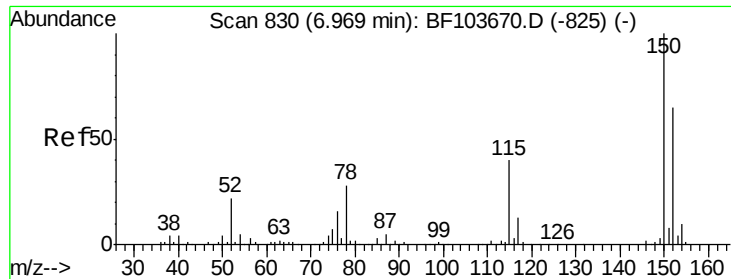
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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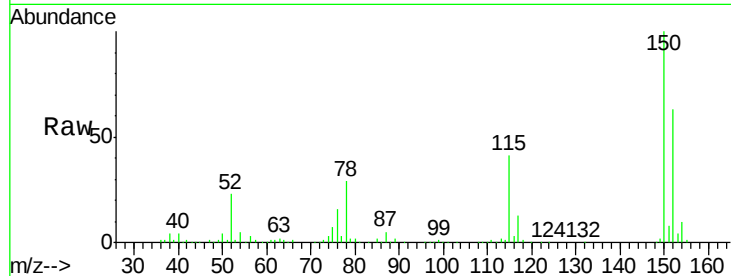


#1

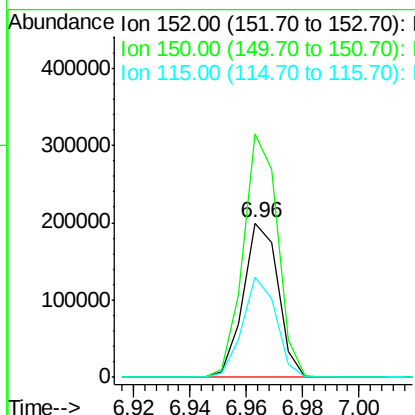
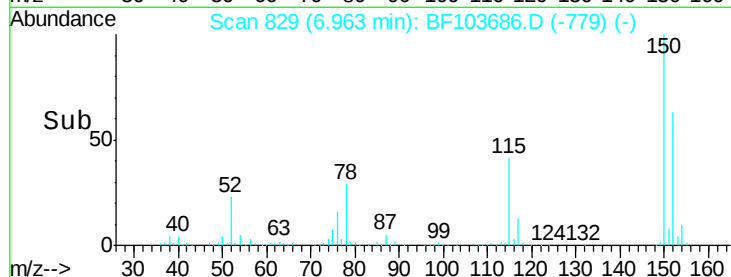
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF103686.D
Acq: 16 Mar 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 170543
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 64.9 50.1 75.1



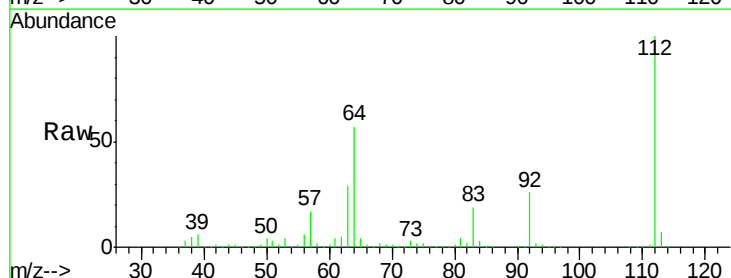
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



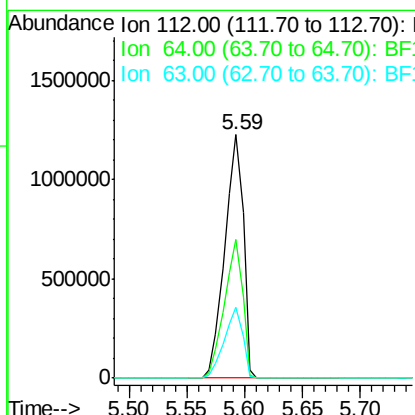
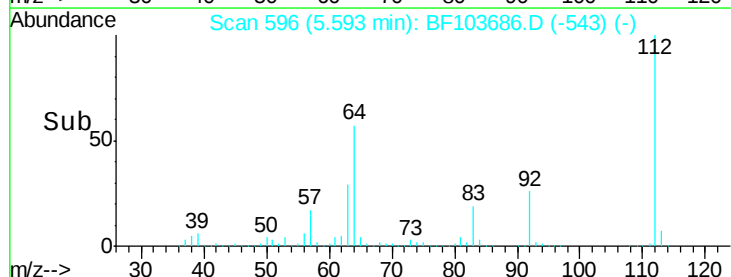
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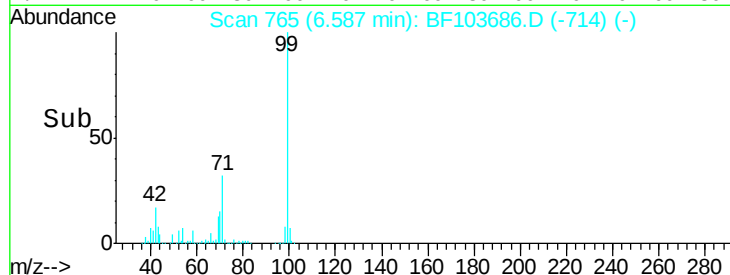
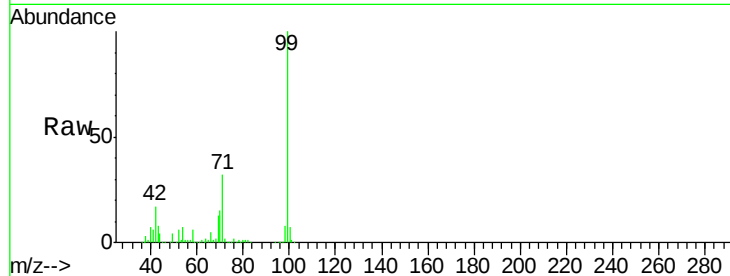
2-Fluorophenol
Concen: 121.419 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF103686.D
Acq: 16 Mar 2018 10:37

Tgt Ion:112 Resp: 1361424
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 29.0 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: 120.060 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF103686.D

Acq: 16 Mar 2018 10:37

Instrument :

BNA_F

ClientSampleId :

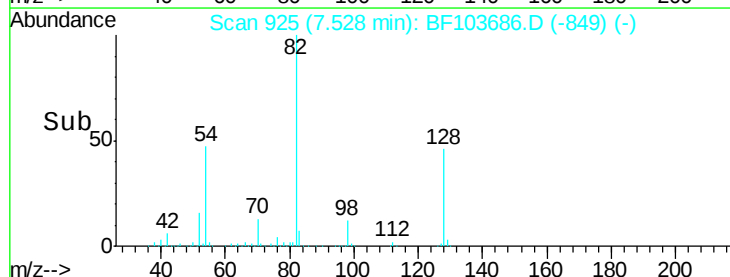
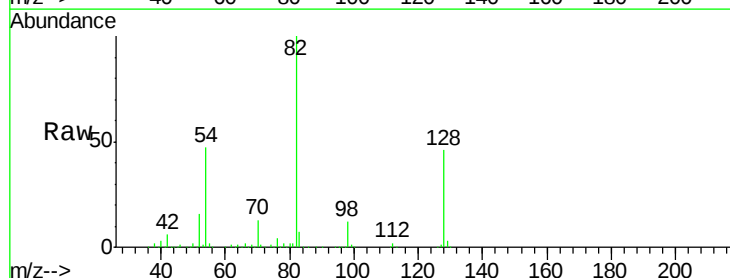
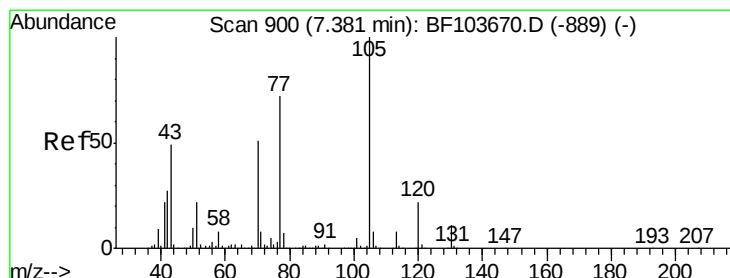
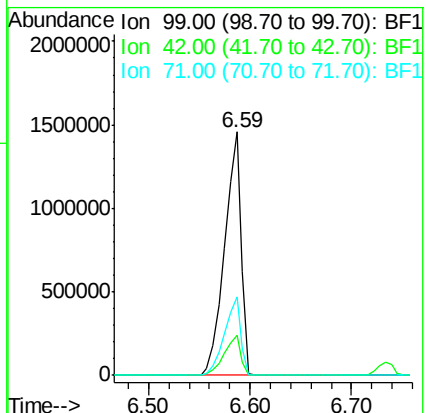
Tot Ion: 99 Resp: 1646957

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 32.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.046 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF103686.D

Acq: 16 Mar 2018 10:37

Tgt Ion: 70 Resp: 132275

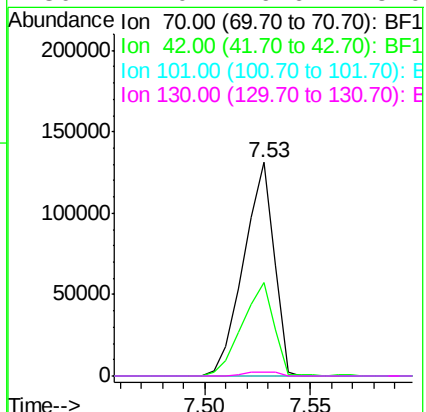
Ion Ratio Lower Upper

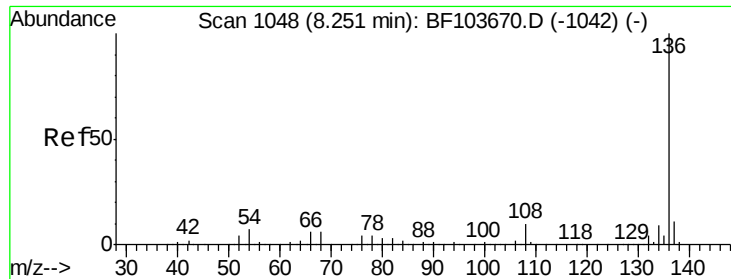
70 100

42 44.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

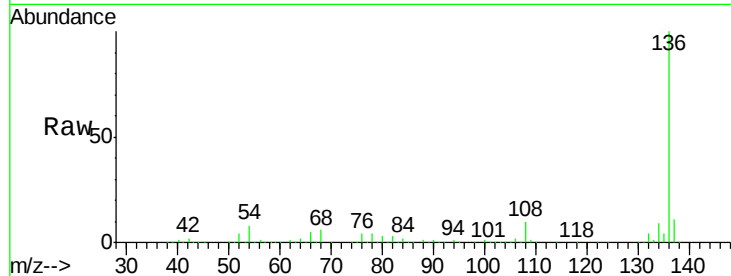




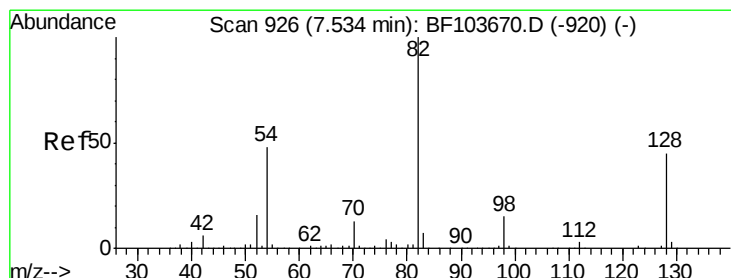
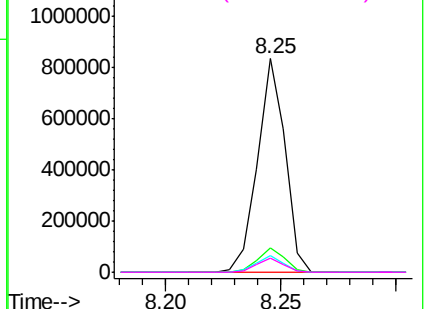
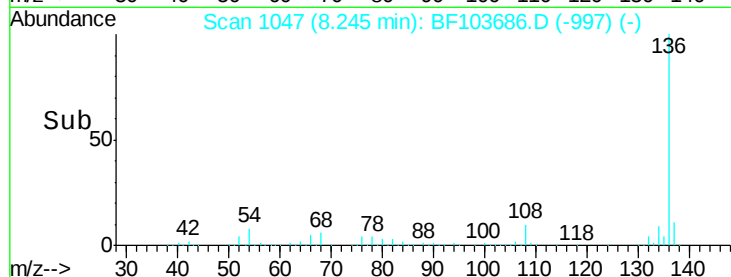
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF103686.D
Acq: 16 Mar 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	695522
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	7.8	6.6 9.8
68	6.4	5.0 7.4

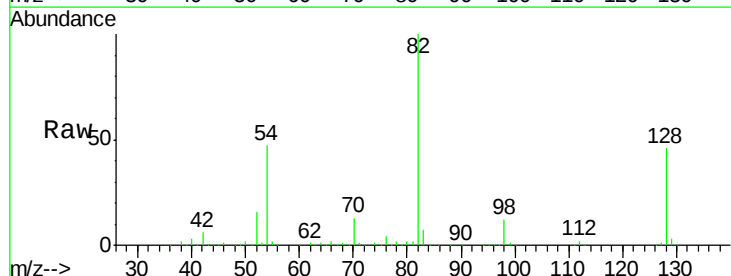


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

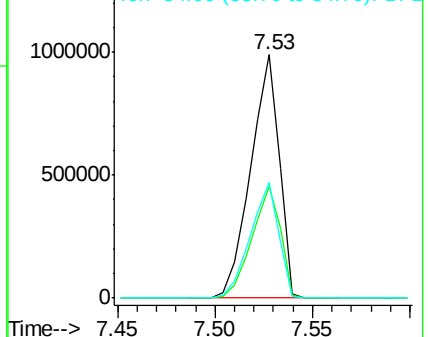
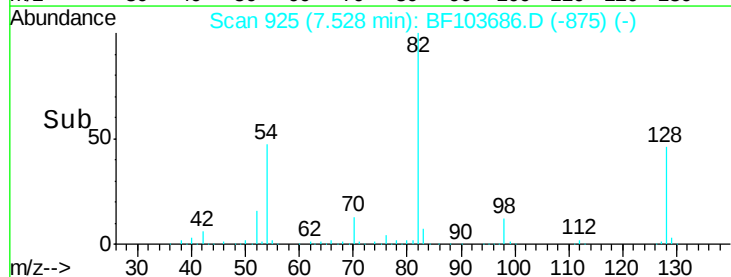


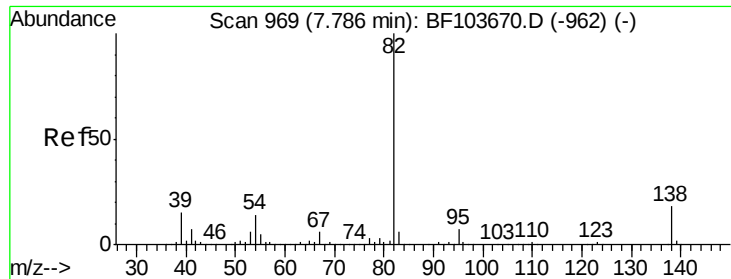
#23
Nitrobenzene-d5
Concen: 100.460 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF103686.D
Acq: 16 Mar 2018 10:37

Tgt Ion: 82	Resp:	1001950
Ion Ratio	Lower	Upper
82	100	
128	45.9	36.1 54.1
54	47.4	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: 43.396 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.26 min

Lab File: BF103686.D

Acq: 16 Mar 2018 10:37

Instrument :

BNA_F

ClientSampleId :

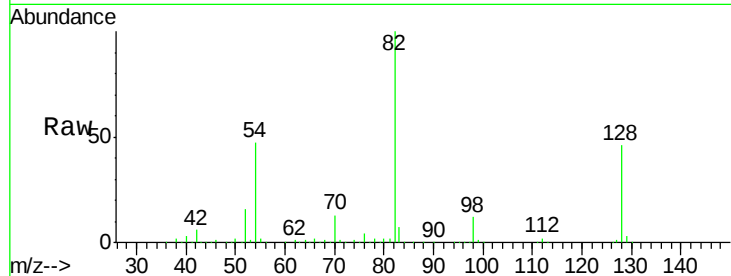
Tot Ion: 82 Resp: 1001932

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

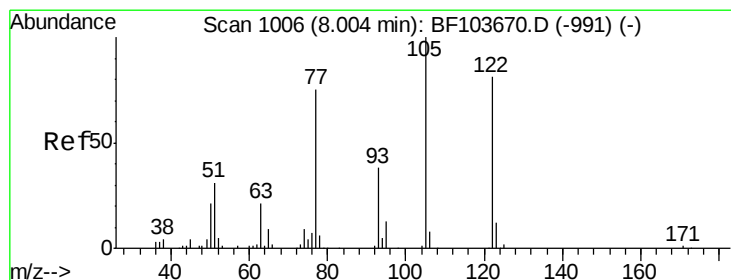
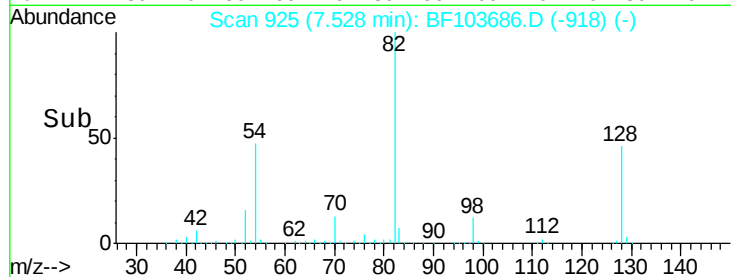
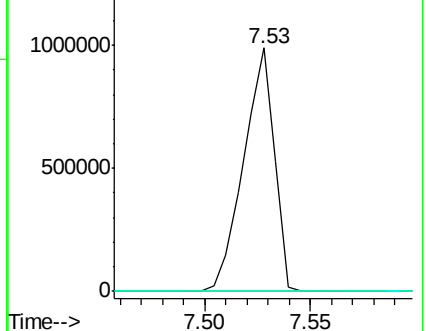
138 0.0 14.9 22.3#



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: 9.920 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.05 min

Lab File: BF103686.D

Acq: 16 Mar 2018 10:37

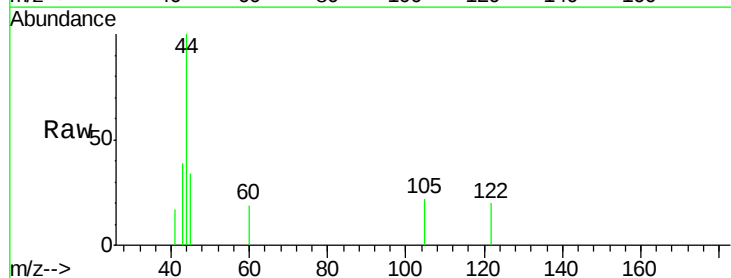
Tgt Ion: 122 Resp: 130

Ion Ratio Lower Upper

122 100

105 112.2 101.1 141.1

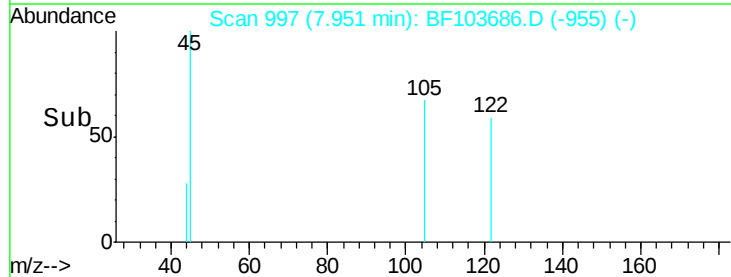
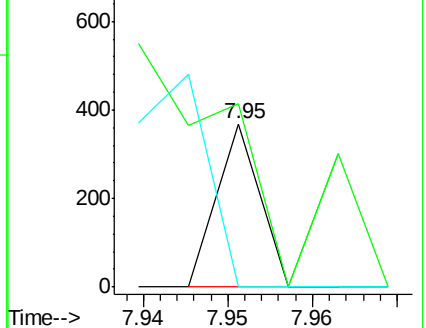
77 0.0 70.7 110.7#

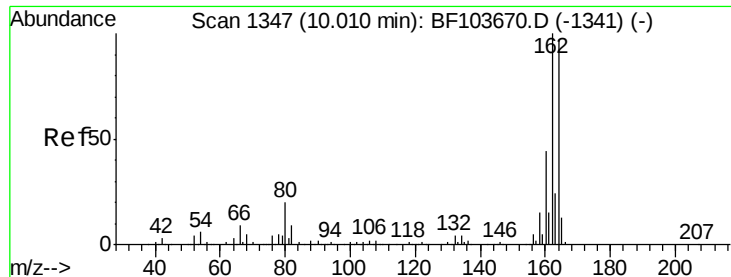


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

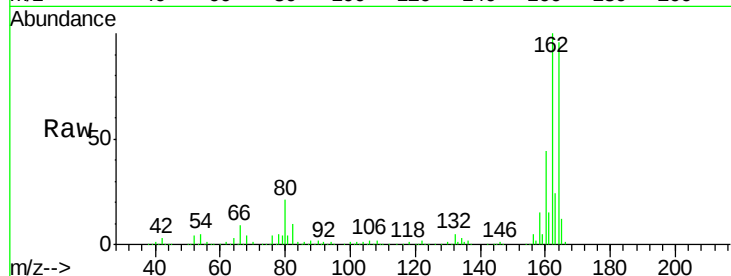




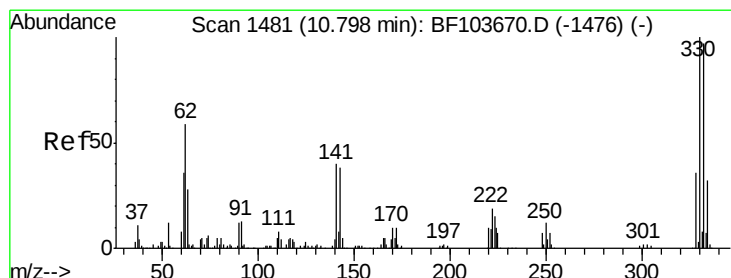
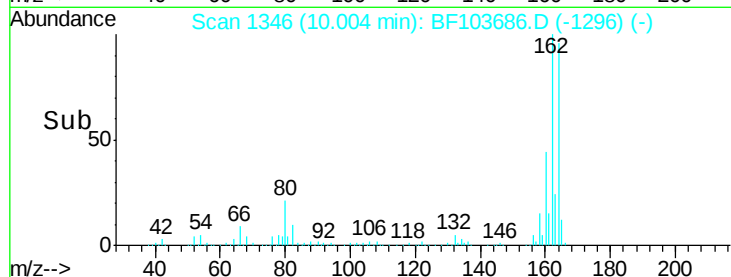
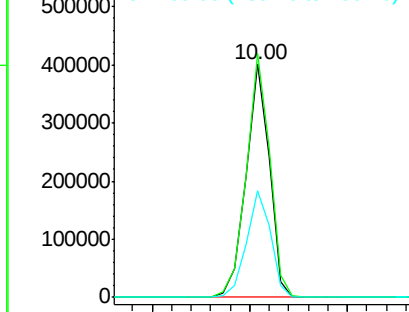
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF103686.D
Acq: 16 Mar 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 332468
Ion Ratio Lower Upper
164 100
162 104.4 86.1 129.1
160 45.9 38.3 57.5

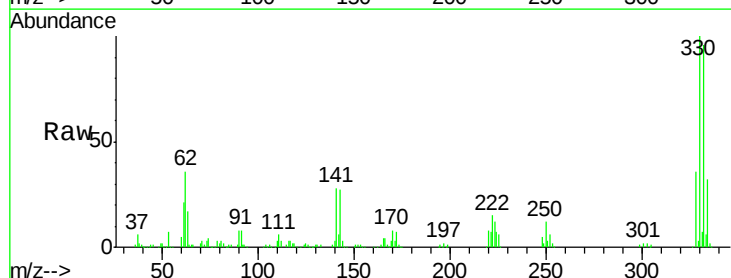


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

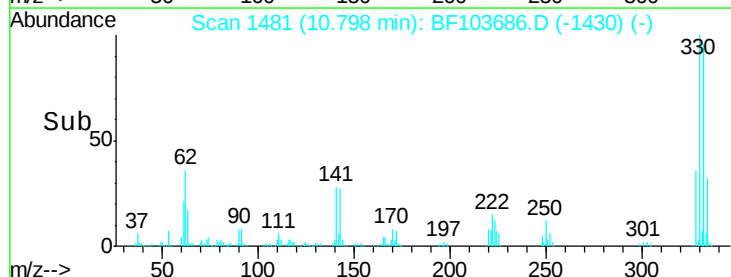
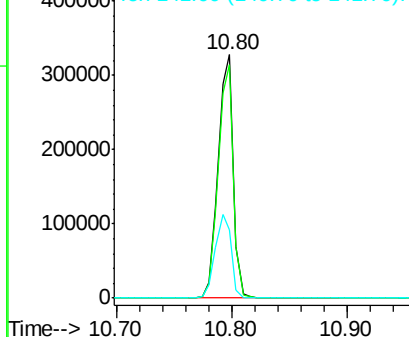


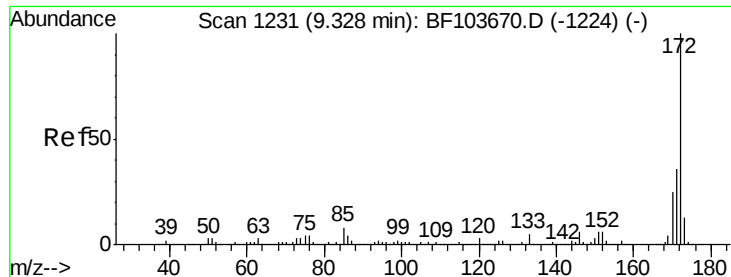
#41
2,4,6-Tribromophenol
Concen: 104.093 ng
RT: 10.80 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BF103686.D
Acq: 16 Mar 2018 10:37

Tgt Ion:330 Resp: 297557
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 36.1 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

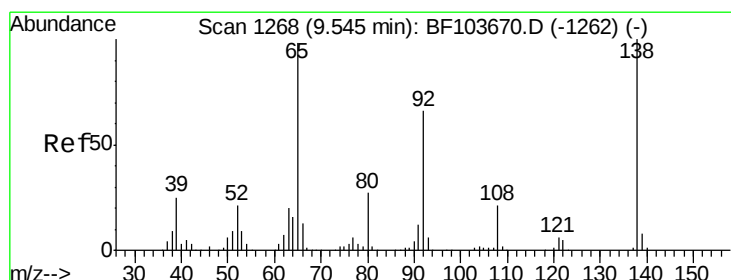
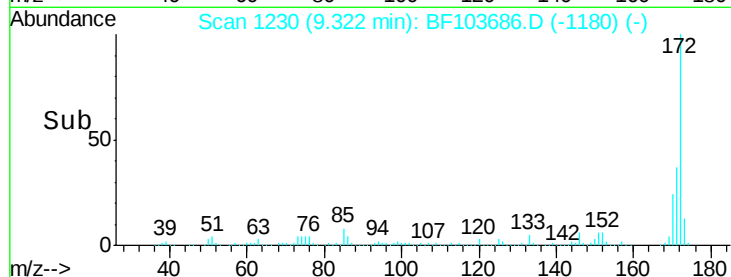
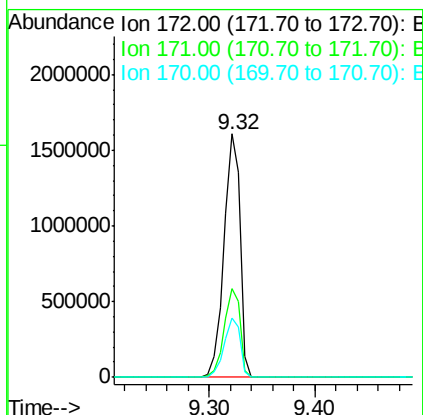
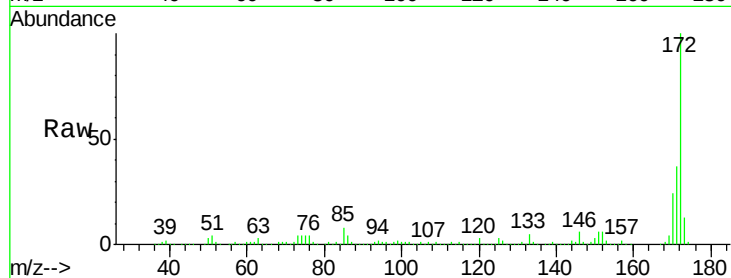




#44
 2-Fluorobiphenyl
 Concen: 81.750 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF103686.D
 Acq: 16 Mar 2018 10:37

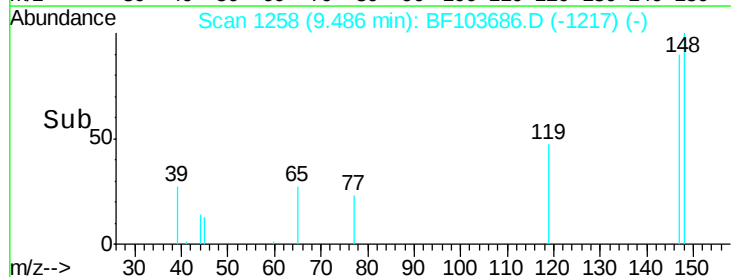
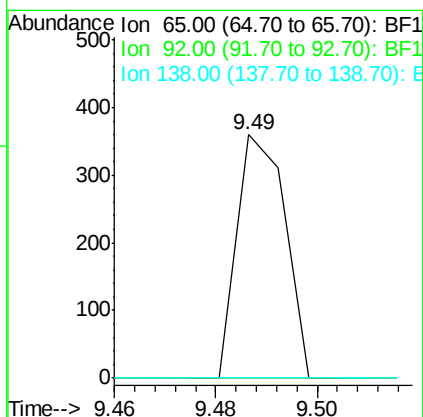
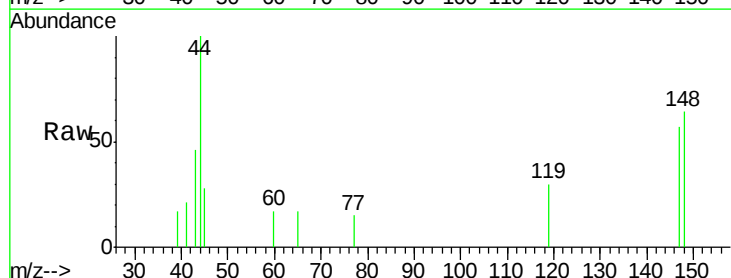
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 ClientSampleId :

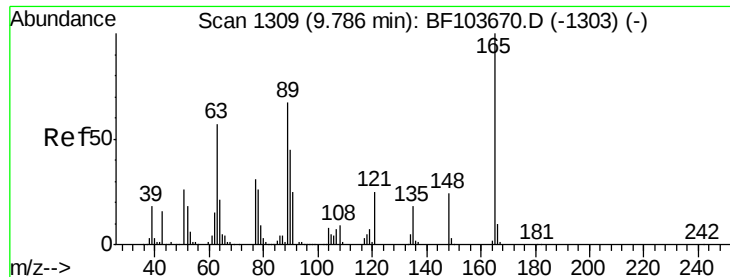
Tot Ion:172 Resp: 1703863
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.2 19.6 29.4



#47
 2-Nitroaniline
 Concen: 6.850 ng
 RT: 9.49 min Scan# 1258
 Delta R.T. -0.06 min
 Lab File: BF103686.D
 Acq: 16 Mar 2018 10:37

Tgt Ion: 65 Resp: 237
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#

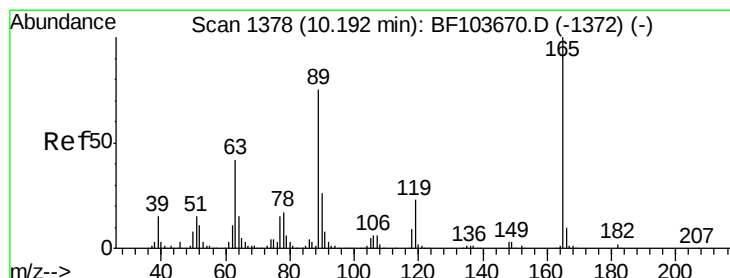
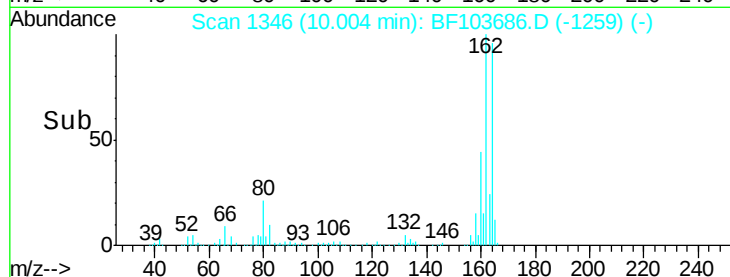
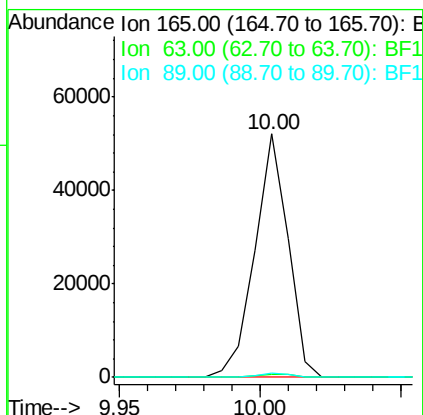
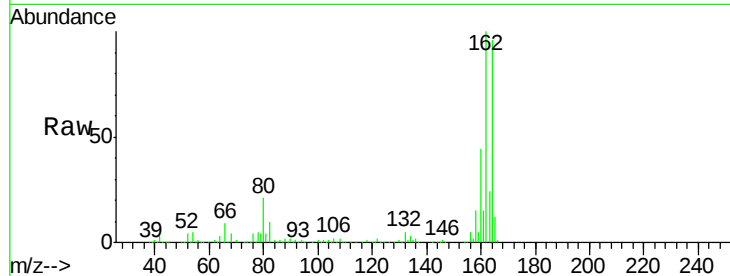




#50
2,6-Dinitrotoluene
Concen: 11.939 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.21 min
Lab File: BF103686.D
Acq: 16 Mar 2018 10:37

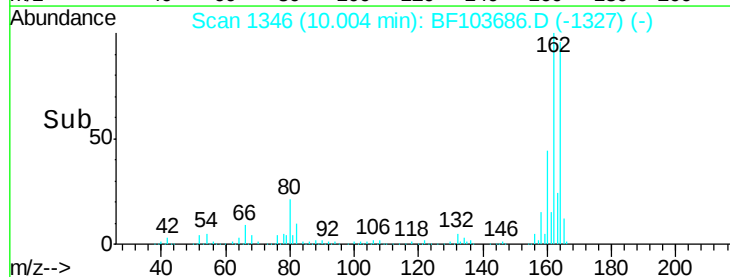
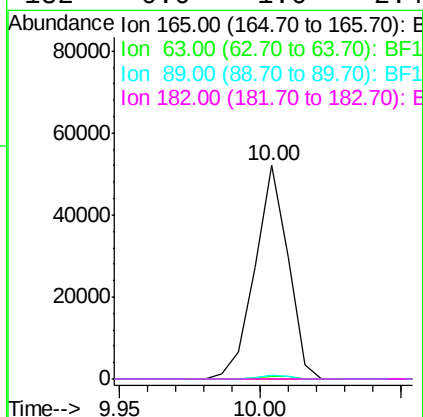
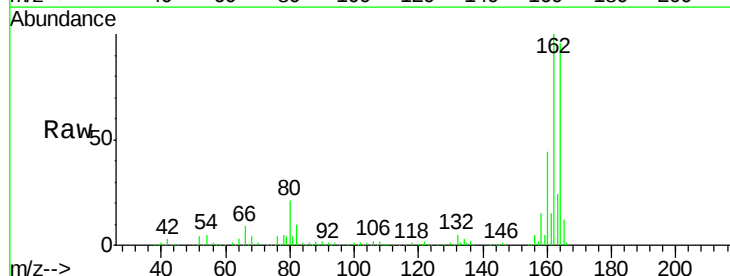
Instrument :
BNA_F
ClientSampleId :

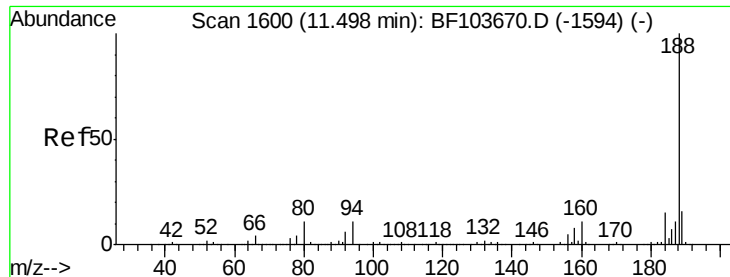
Tot Ion:165 Resp: 42570
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.8 44.0 66.0#



#56
2,4-Dinitrotoluene
Concen: 12.175 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.19 min
Lab File: BF103686.D
Acq: 16 Mar 2018 10:37

Tgt Ion:165 Resp: 42570
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.8 57.8 86.6#
182 0.0 1.6 2.4#

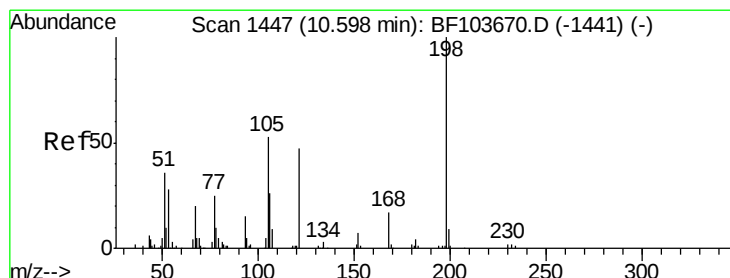
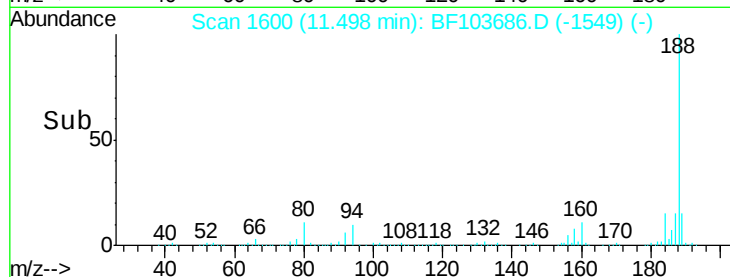
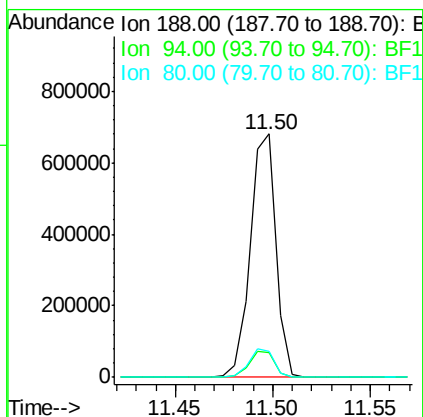
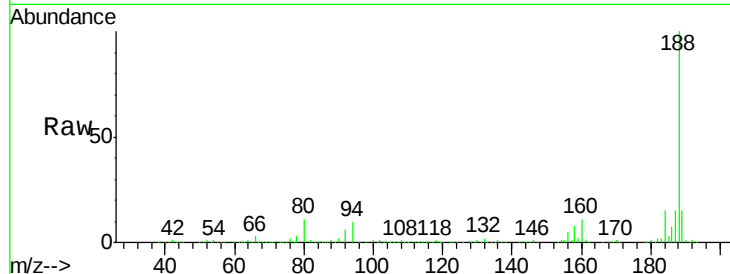




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BF103686.D
Acq: 16 Mar 2018 10:37

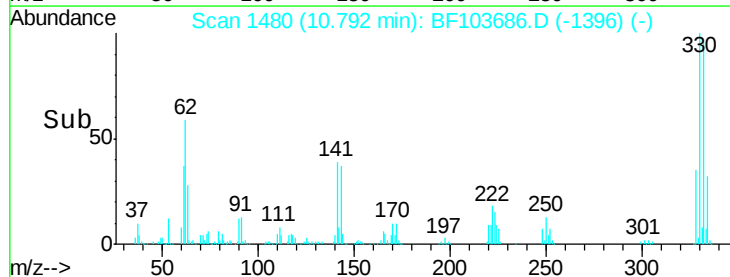
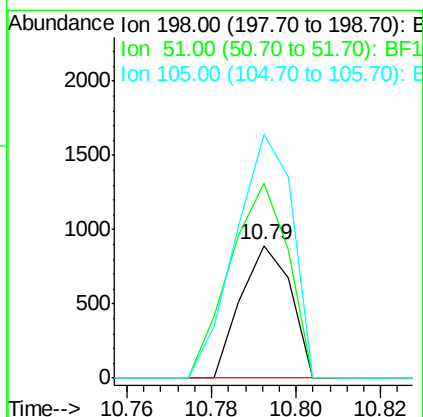
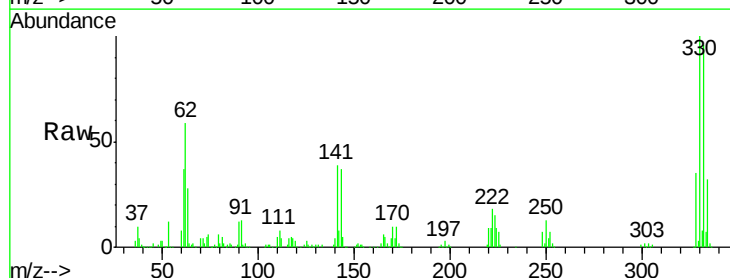
Instrument :
BNA_F
ClientSampleId :

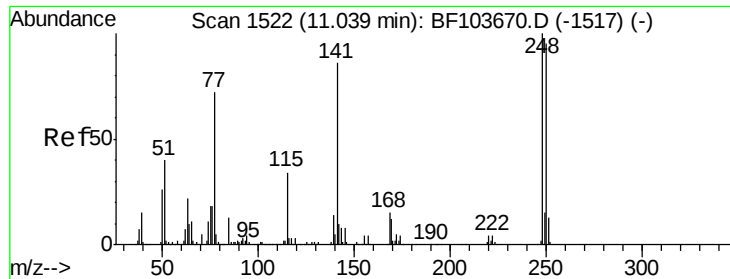
Tot Ion:188 Resp: 620391
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.472 ng
RT: 10.79 min Scan# 1480
Delta R.T. 0.19 min
Lab File: BF103686.D
Acq: 16 Mar 2018 10:37

Tgt Ion:198 Resp: 737
Ion Ratio Lower Upper
198 100
51 146.5 37.7 77.7#
105 183.6 36.3 76.3#

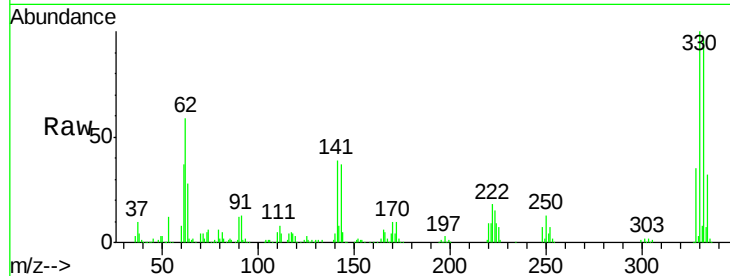




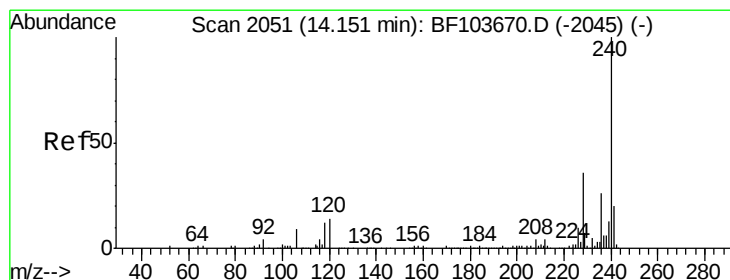
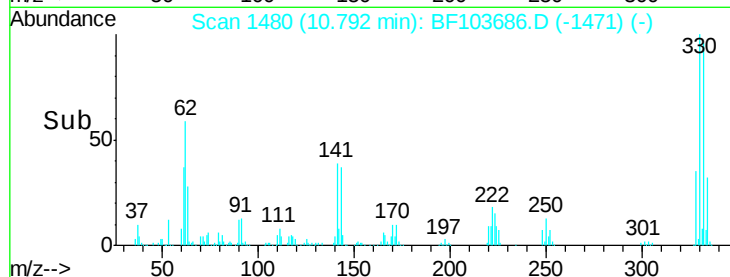
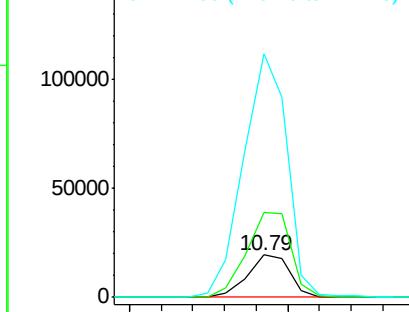
#66
4-Bromophenyl-phenylether
Concen: 2.812 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.25 min
Lab File: BF103686.D
Acq: 16 Mar 2018 10:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 17912
Ion Ratio Lower Upper
248 100
250 199.3 76.9 115.3#
141 574.7 74.4 111.6#

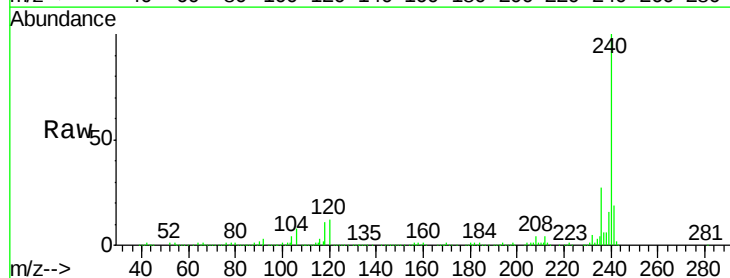


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

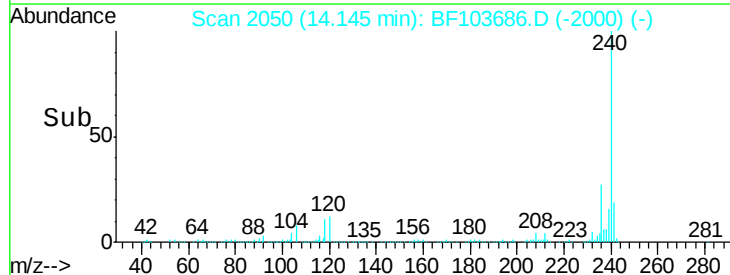
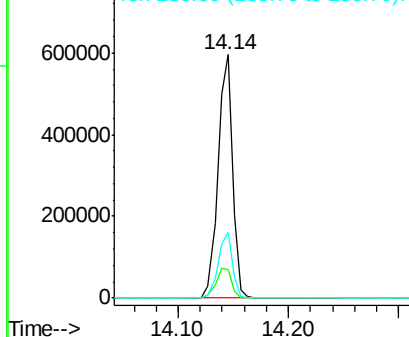


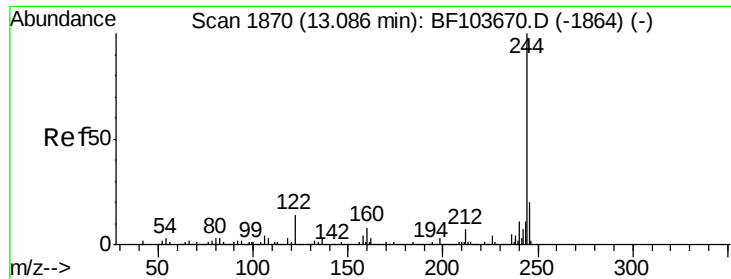
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF103686.D
Acq: 16 Mar 2018 10:37

Tgt Ion:240 Resp: 545221
Ion Ratio Lower Upper
240 100
120 11.8 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: 76.011 ng

RT: 13.09 min Scan# 1870

Delta R.T. 0.00 min

Lab File: BF103686.D

Acq: 16 Mar 2018 10:37

Instrument :

BNA_F

ClientSampleId :

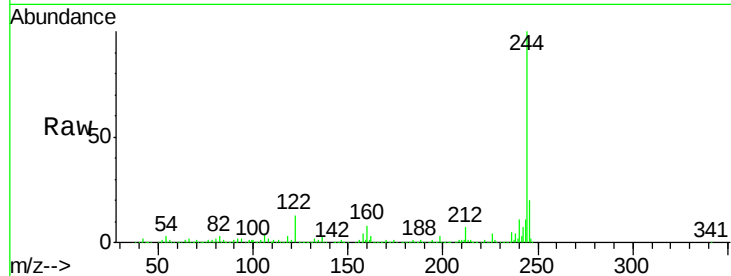
Tot Ion:244 Resp: 1785435

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

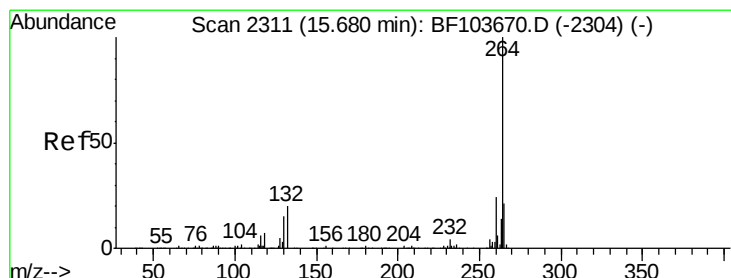
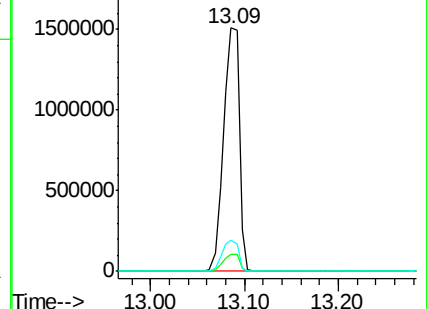
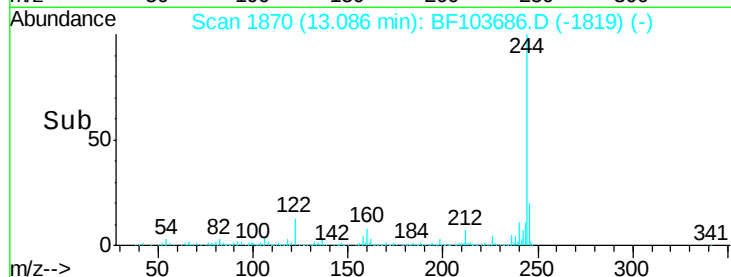
122 13.0 11.0 16.4



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: 15.67 min Scan# 2310

Delta R.T. 0.00 min

Lab File: BF103686.D

Acq: 16 Mar 2018 10:37

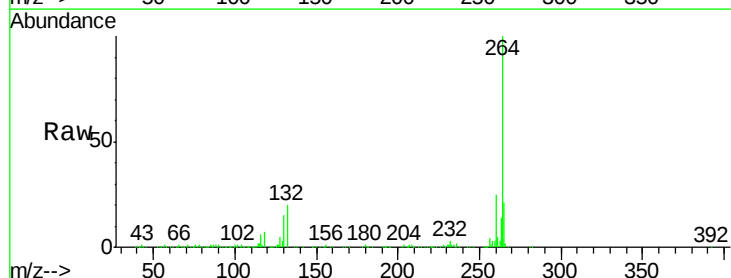
Tgt Ion:264 Resp: 483503

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 21.2 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

