

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103782.D
 Acq On : 20 Mar 2018 3:12
 Operator : JU/SJ
 Sample : J1954-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 04:56:50 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

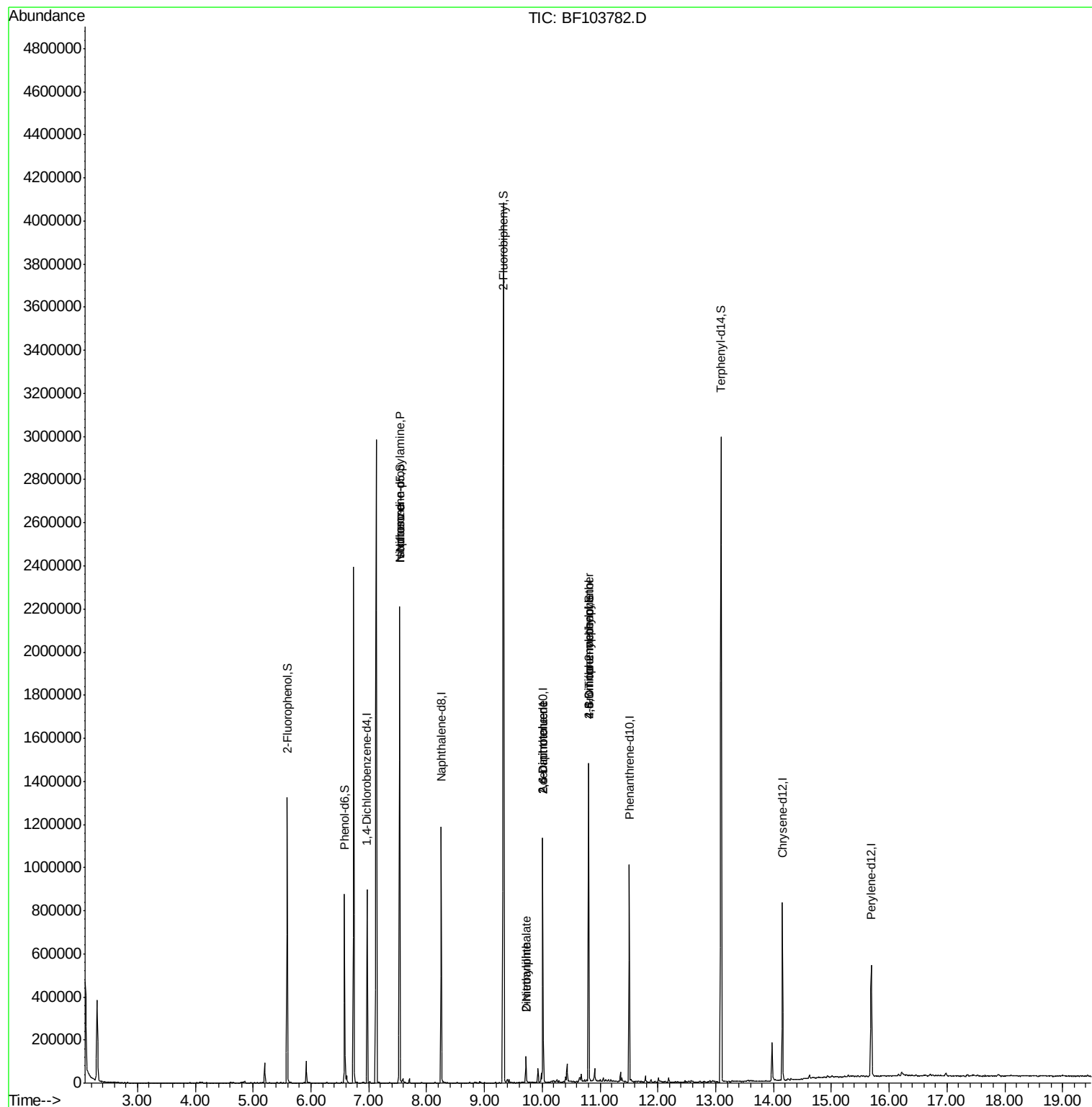
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	131932	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	511723	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	211785	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	331047	20.00	ng	0.00
75) Chrysene-d12	14.16	240	270673	20.00	ng	0.00
86) Perylene-d12	15.69	264	233432	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	364106	41.98	ng	0.00
7) Phenol-d6	6.58	99	269422	25.39	ng	0.00
23) Nitrobenzene-d5	7.53	82	827405	112.76	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	182878	100.43	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1315679	99.10	ng	0.00
78) Terphenyl-d14	13.09	244	1070314	91.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	107039	15.739	ng	# 73
25) Isophorone	7.53	82	827397	48.708	ng	# 64
47) 2-Nitroaniline	9.72	65	312	6.887	ng	# 1
49) Dimethylphthalate	9.72	163	40250	2.491	ng	# 99
50) 2,6-Dinitrotoluene	10.01	165	26845	11.859	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	26845	12.115	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	286	8.375	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	11368	3.345	ng	# 1

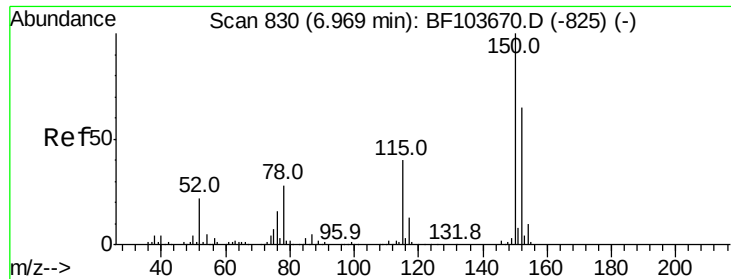
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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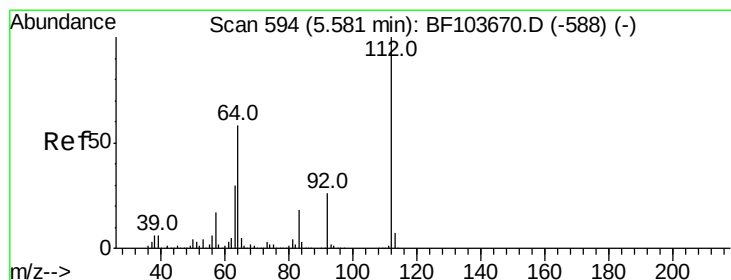
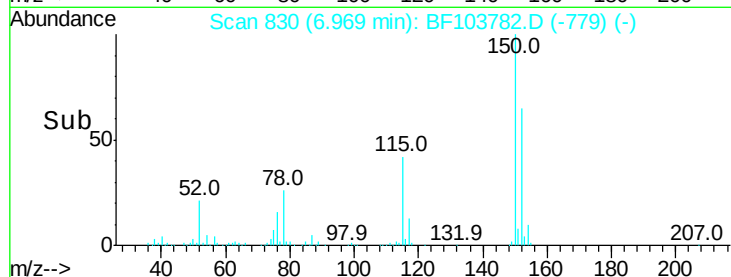
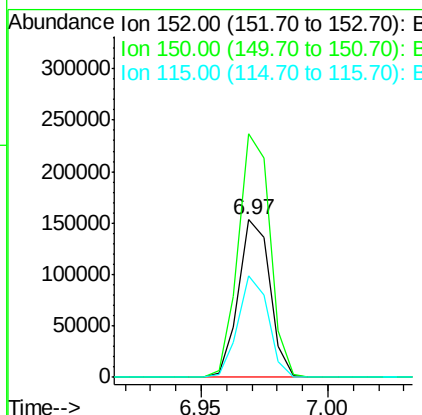
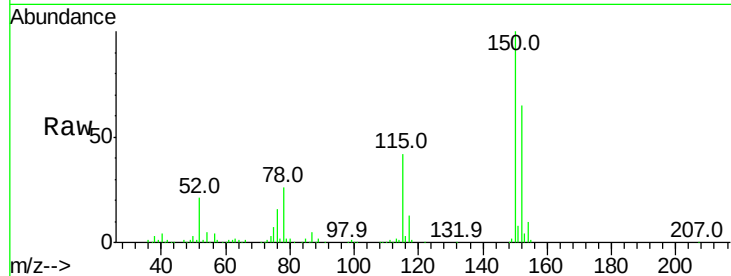


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103782.D
Acq: 20 Mar 2018 3:12

Instrument :
BNA_F
ClientSampleId :

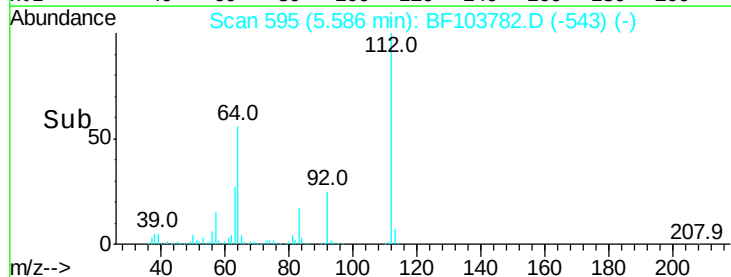
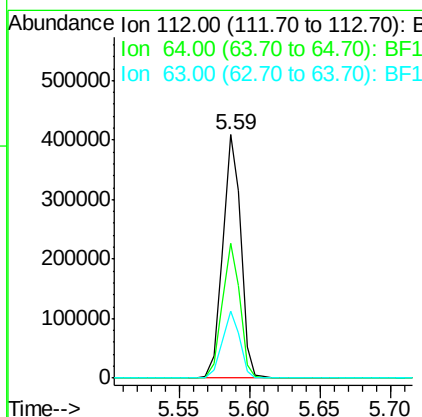
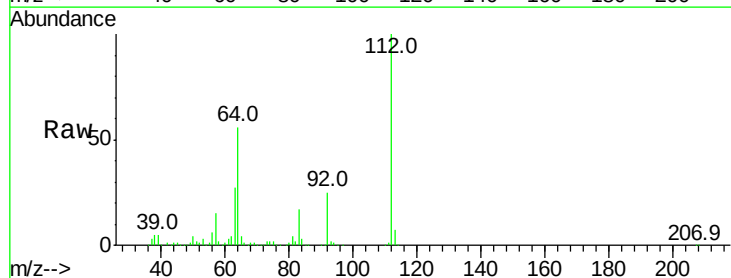
Tot Ion:152 Resp: 131932
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 64.4 50.1 75.1

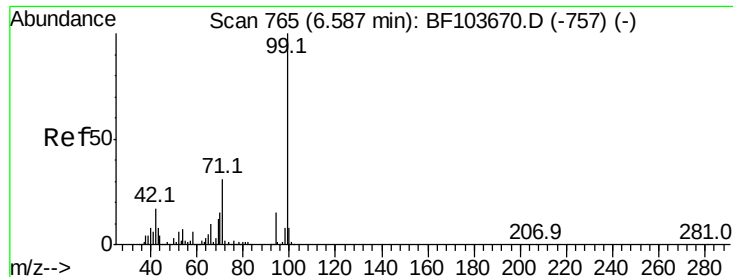


#5

2-Fluorophenol
Concen: 41.976 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF103782.D
Acq: 20 Mar 2018 3:12

Tgt Ion:112 Resp: 364106
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 27.5 23.7 35.5





#7

Phenol-d6

Concen: 25.388 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103782.D

Acq: 20 Mar 2018 3:12

Instrument :

BNA_F

ClientSampleId :

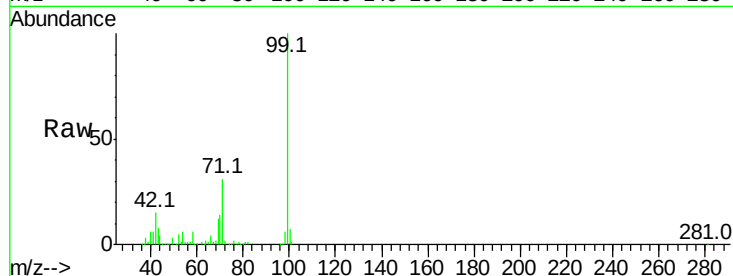
Tot Ion: 99 Resp: 269422

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

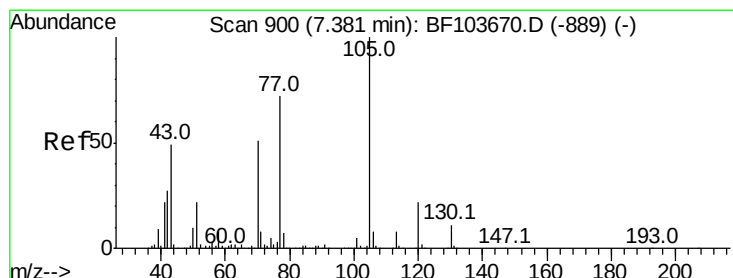
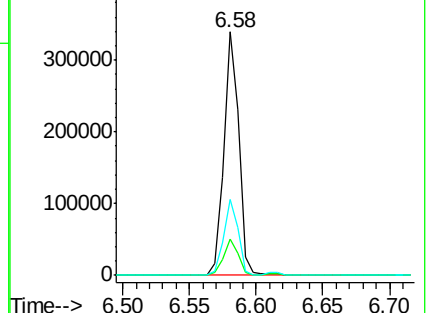
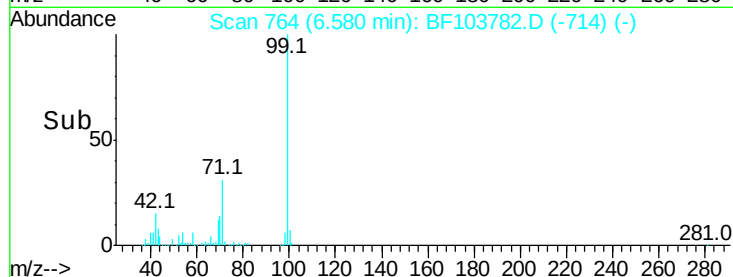
71 31.3 25.4 38.0



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: 15.739 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103782.D

Acq: 20 Mar 2018 3:12

Tgt Ion: 70 Resp: 107039

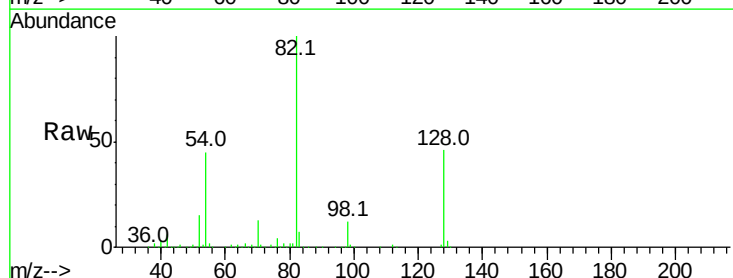
Ion Ratio Lower Upper

70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

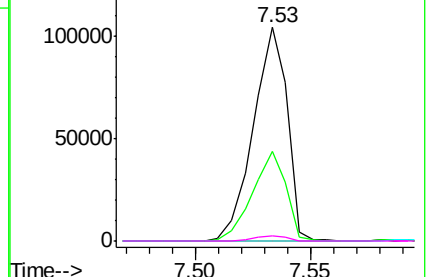
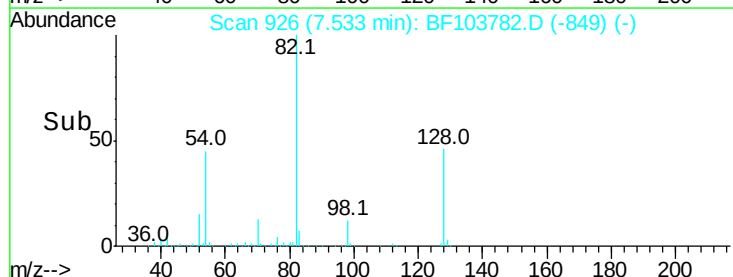


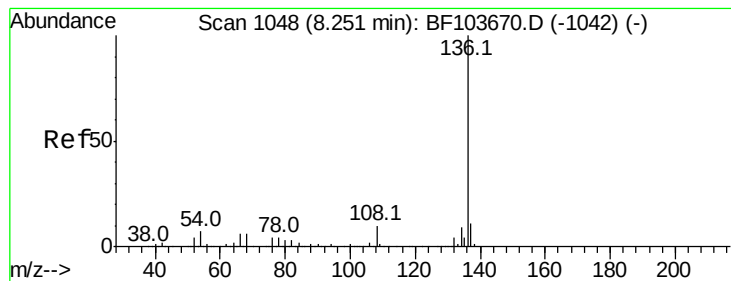
Abundance Ion 70.00 (69.70 to 70.70): BF1

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. -0.00 min

Lab File: BF103782.D

Acq: 20 Mar 2018 3:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 511723

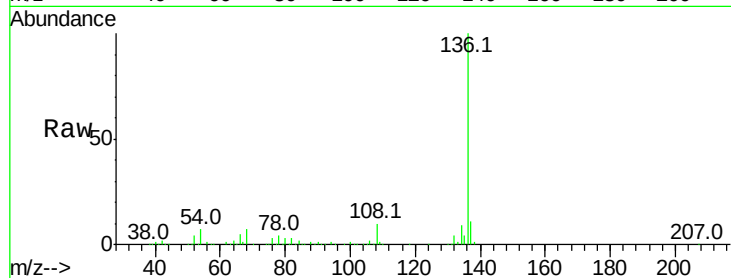
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.3 6.6 9.8

68 6.6 5.0 7.4

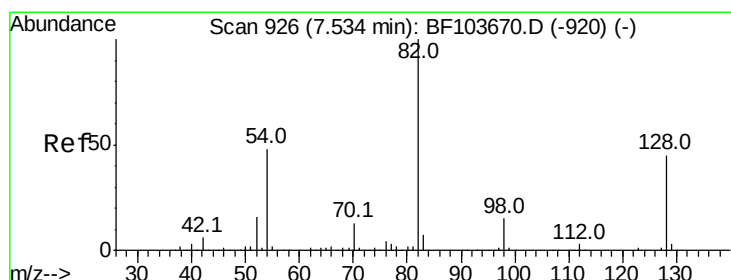
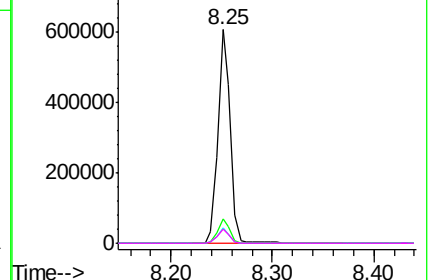
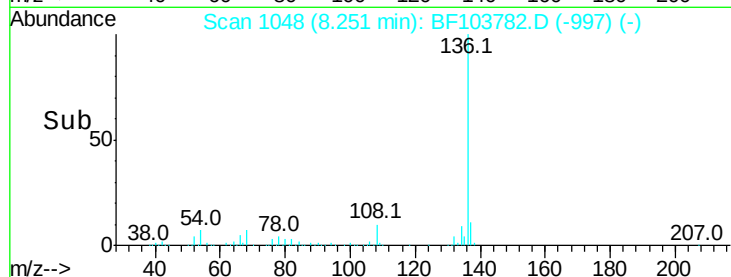


Abundance Ion 136.00 (135.70 to 136.70): E

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: 112.756 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF103782.D

Acq: 20 Mar 2018 3:12

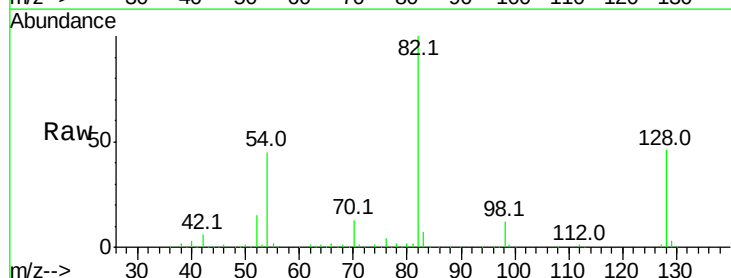
Tgt Ion: 82 Resp: 827405

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

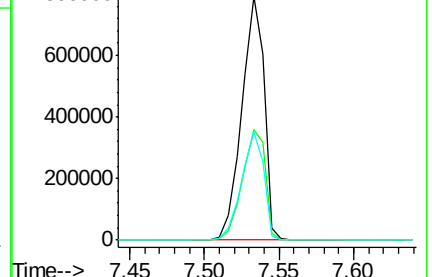
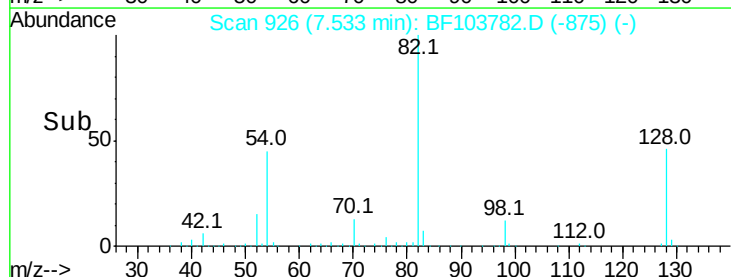
54 44.6 41.4 62.2

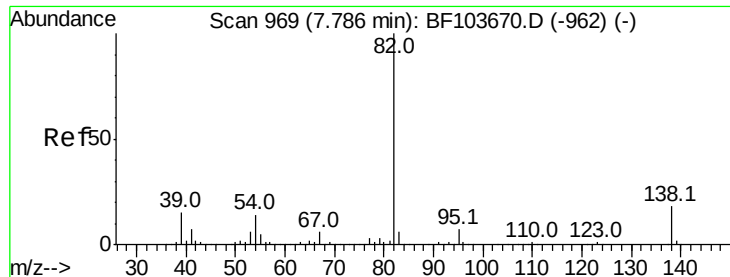


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.708 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103782.D

Acq: 20 Mar 2018 3:12

Instrument :

BNA_F

ClientSampleId :

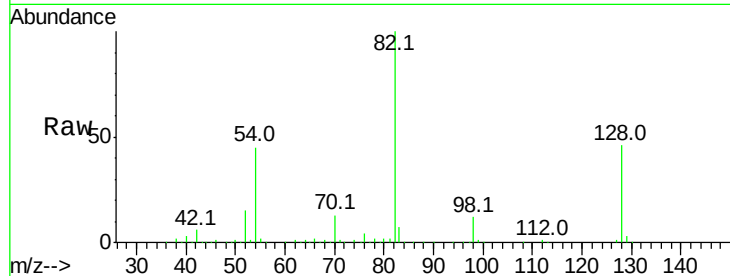
Tot Ion: 82 Resp: 827397

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

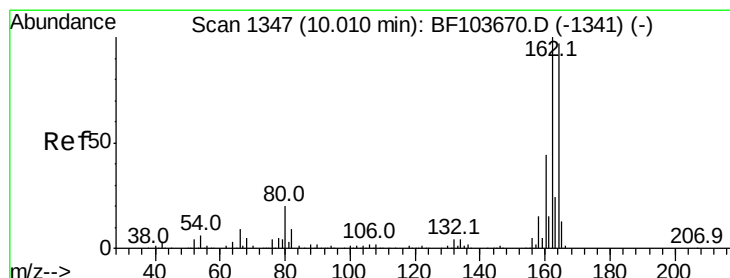
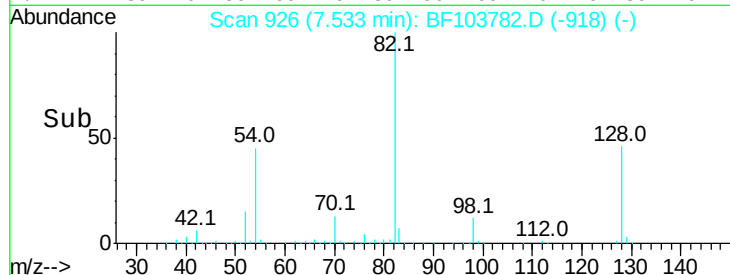
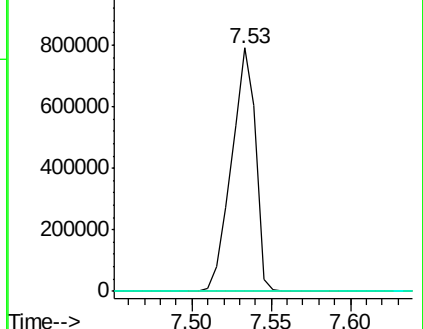
138 0.0 14.9 22.3#



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: BF103782.D

Acq: 20 Mar 2018 3:12

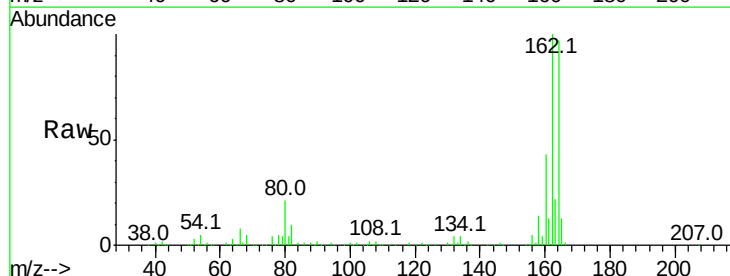
Tgt Ion:164 Resp: 211785

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

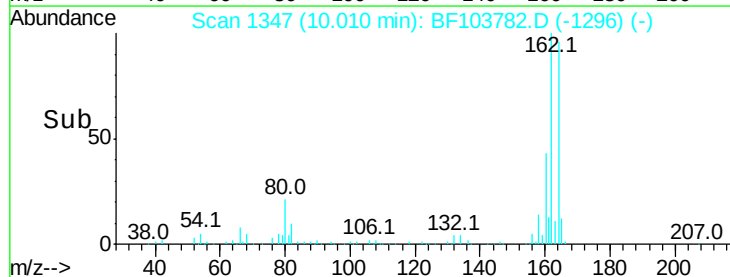
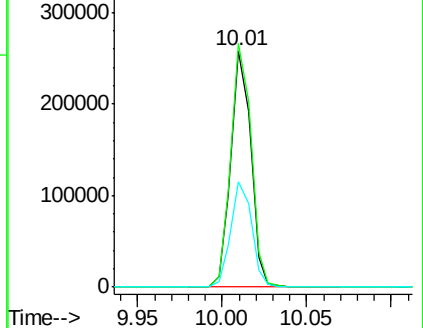
160 44.6 38.3 57.5

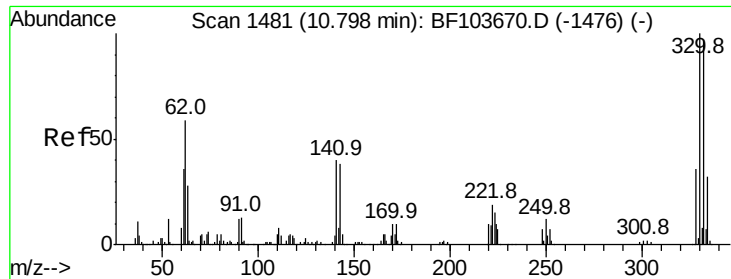


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

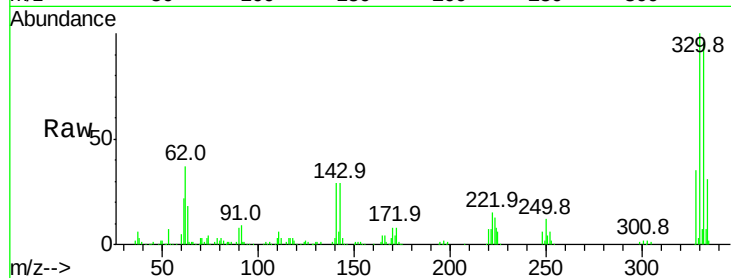




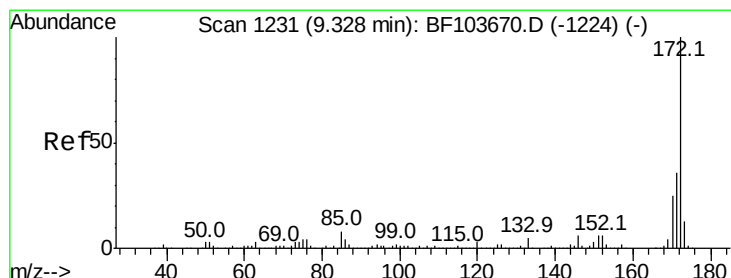
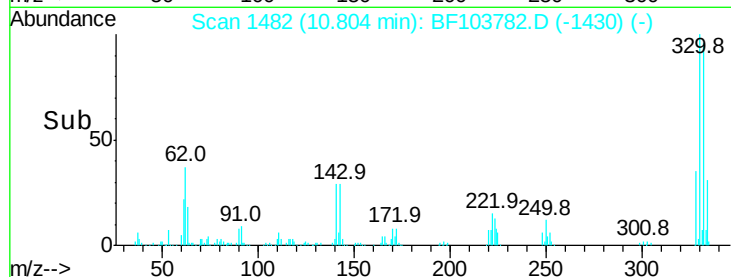
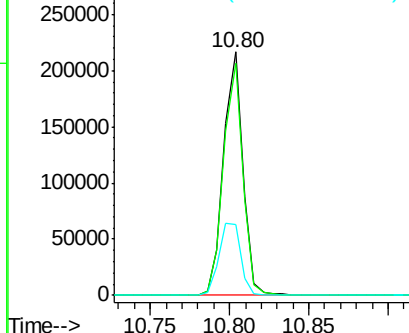
#41
 2,4,6-Tribromophenol
 Concen: 100.431 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103782.D
 Acq: 20 Mar 2018 3:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	33.7	29.9	44.9

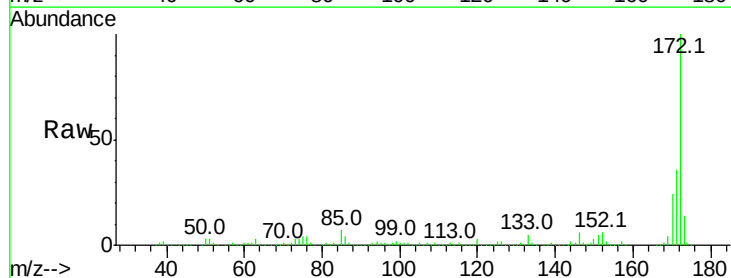


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

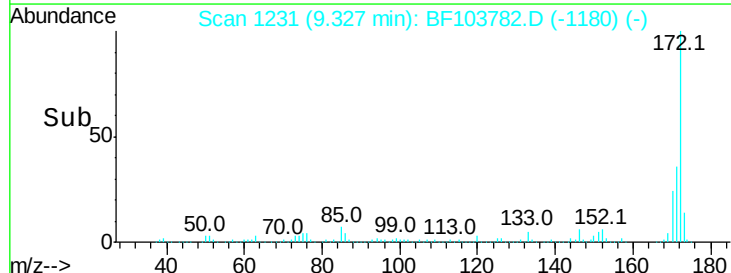
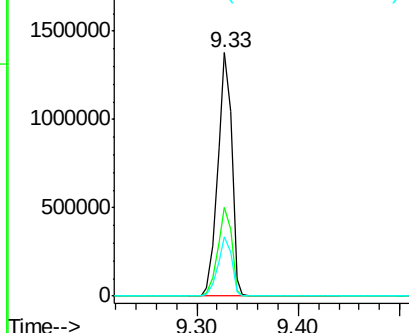


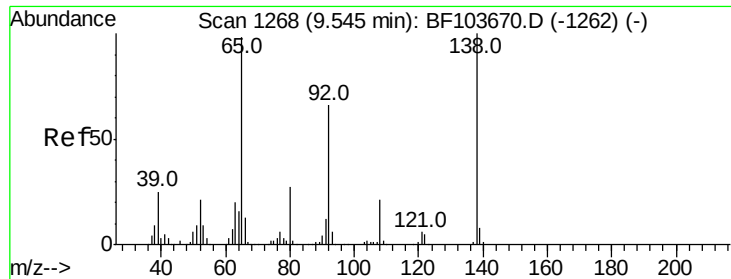
#44
 2-Fluorobiphenyl
 Concen: 99.096 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103782.D
 Acq: 20 Mar 2018 3:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.3	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

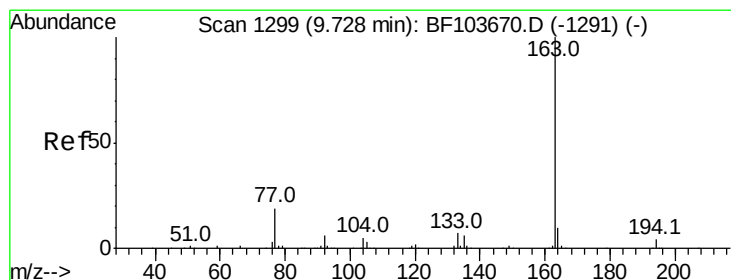
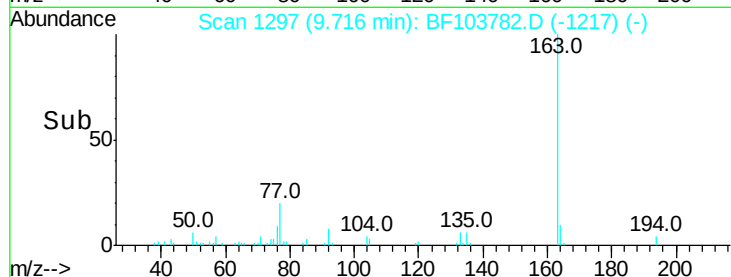
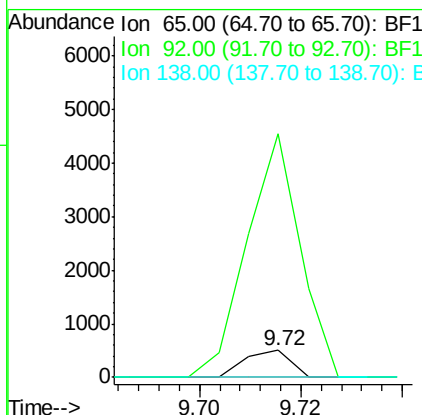
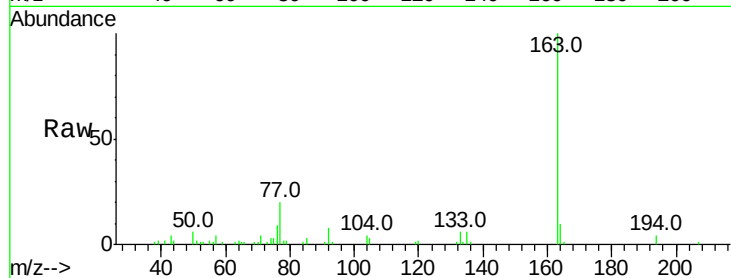




#47
2-Nitroaniline
Concen: 6.887 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.17 min
Lab File: BF103782.D
Acq: 20 Mar 2018 3:12

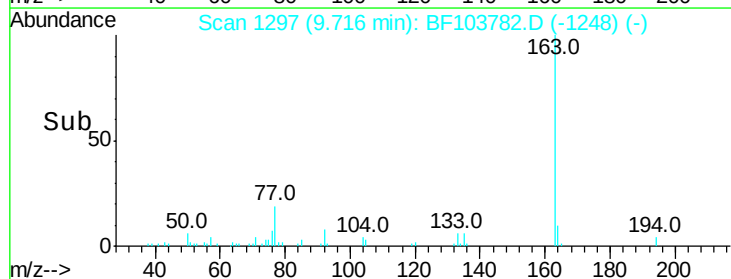
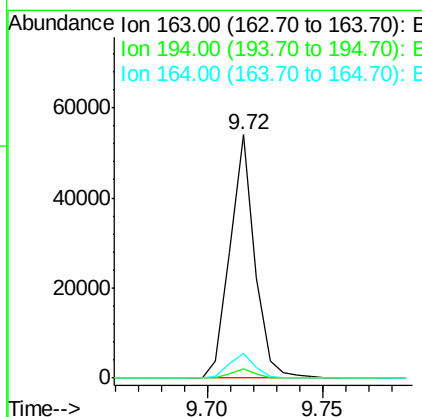
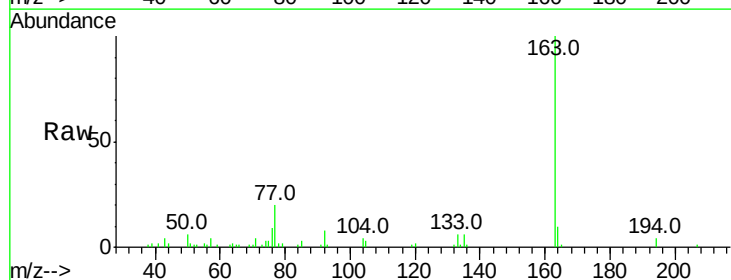
Instrument :
BNA_F
ClientSampleId :

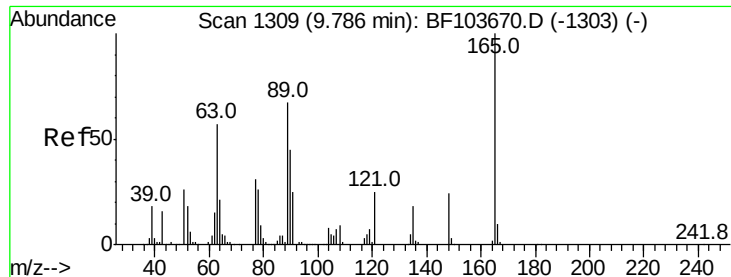
Tot Ion: 65 Resp: 312
Ion Ratio Lower Upper
65 100
92 905.8 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 2.491 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103782.D
Acq: 20 Mar 2018 3:12

Tgt Ion:163 Resp: 40250
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.9 8.2 12.2

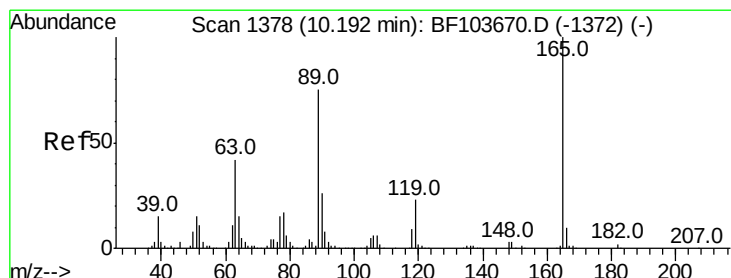
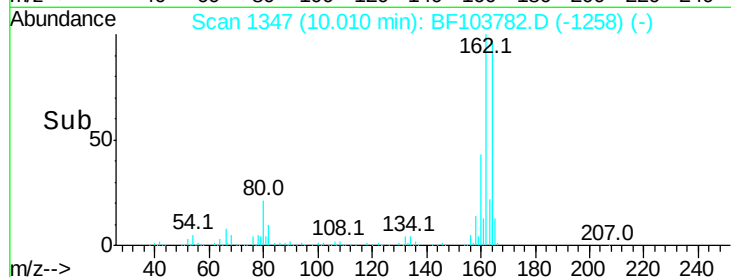
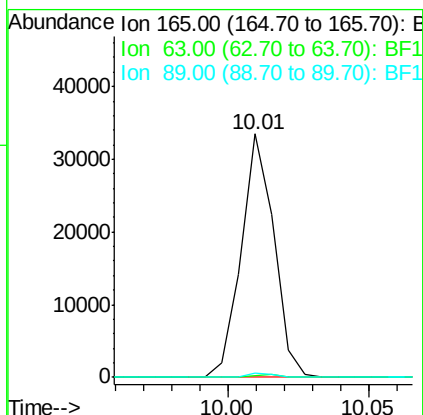
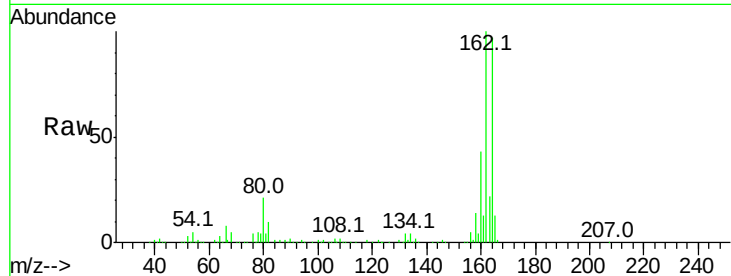




#50
 2,6-Dinitrotoluene
 Concen: 11.859 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.22 min
 Lab File: BF103782.D
 Acq: 20 Mar 2018 3:12

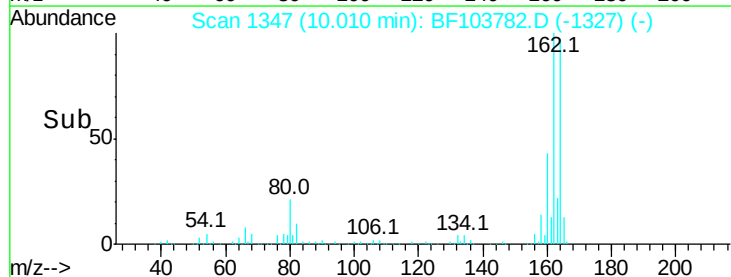
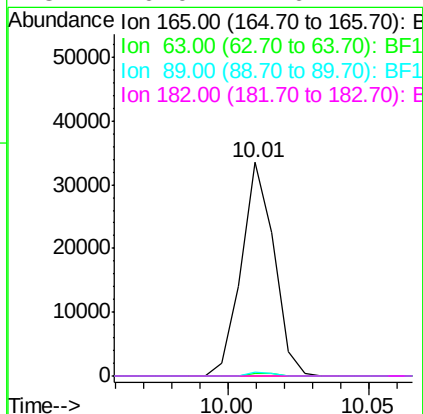
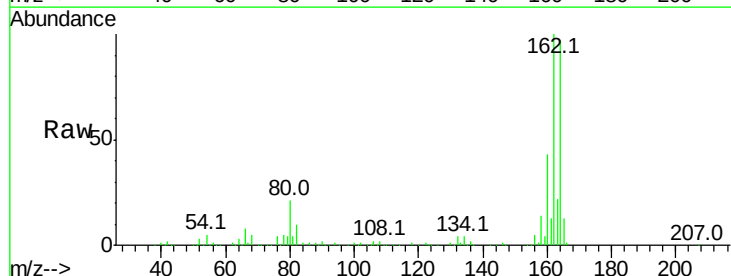
Instrument :
 BNA_F
 ClientSampleId :

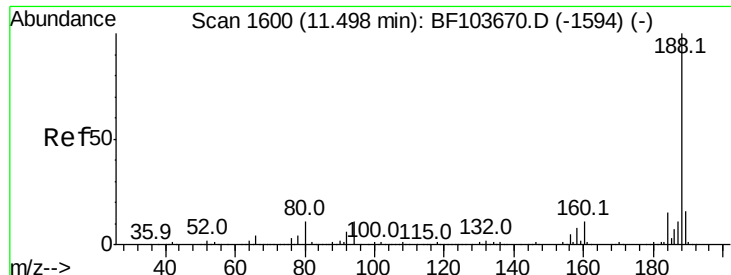
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 12.115 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.18 min
 Lab File: BF103782.D
 Acq: 20 Mar 2018 3:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

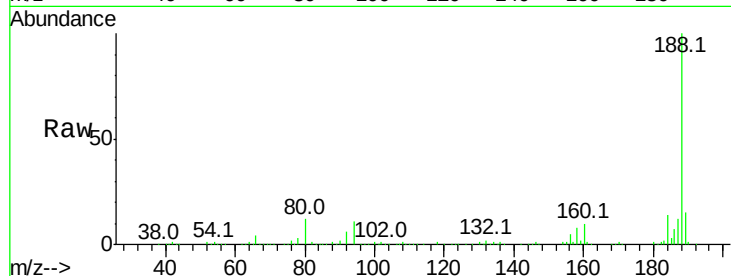




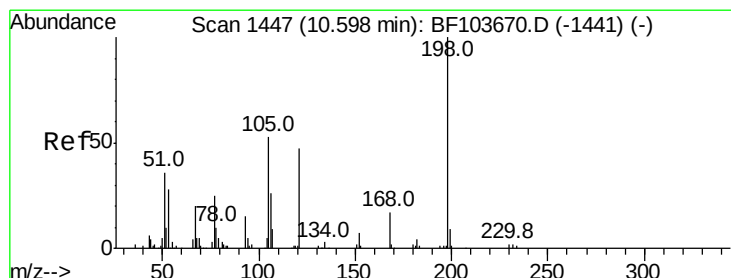
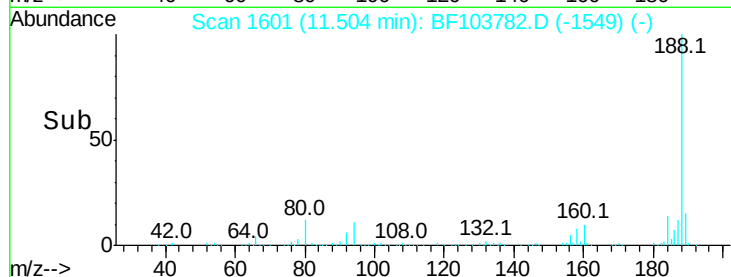
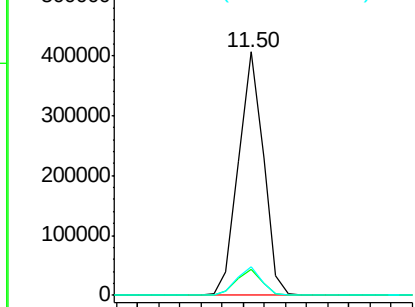
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103782.D
 Acq: 20 Mar 2018 3:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 331047
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 11.9 9.2 13.8

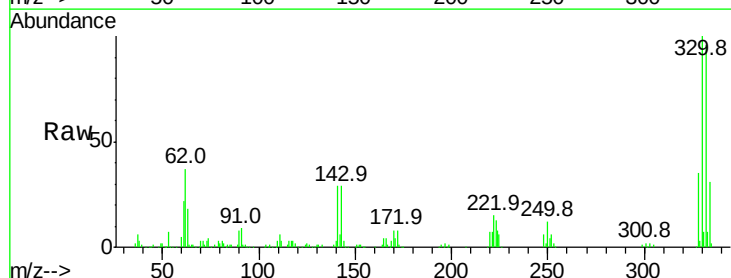


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

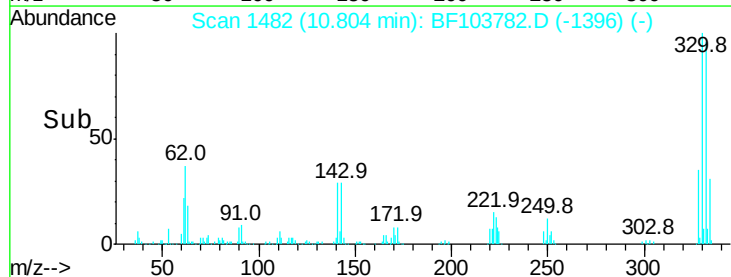
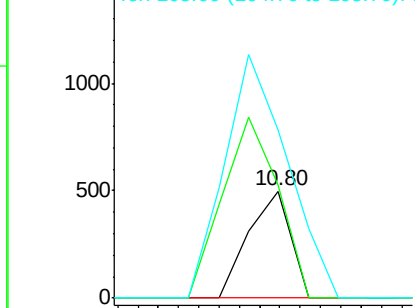


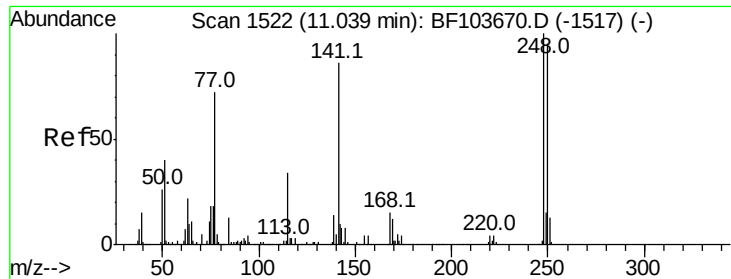
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.375 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.21 min
 Lab File: BF103782.D
 Acq: 20 Mar 2018 3:12

Tgt Ion:198 Resp: 286
 Ion Ratio Lower Upper
 198 100
 51 106.0 37.7 77.7#
 105 158.1 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

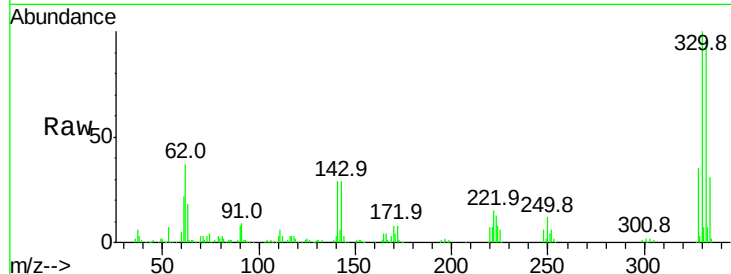




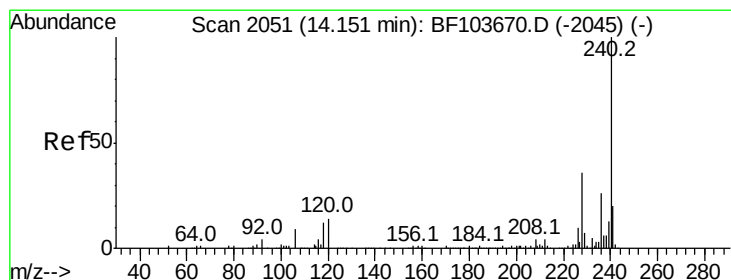
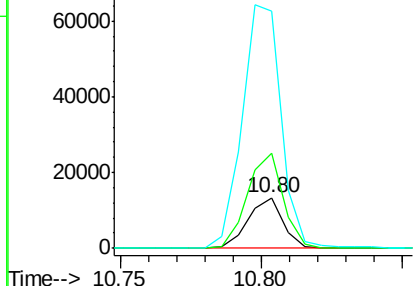
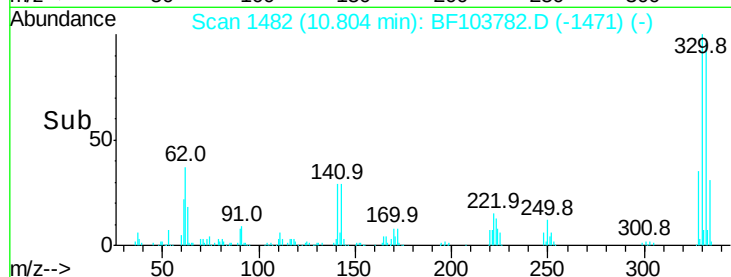
#66
4-Bromophenyl-phenylether
Concen: 3.345 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103782.D
Acq: 20 Mar 2018 3:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11368
Ion Ratio Lower Upper
248 100
250 187.9 76.9 115.3#
141 471.1 74.4 111.6#

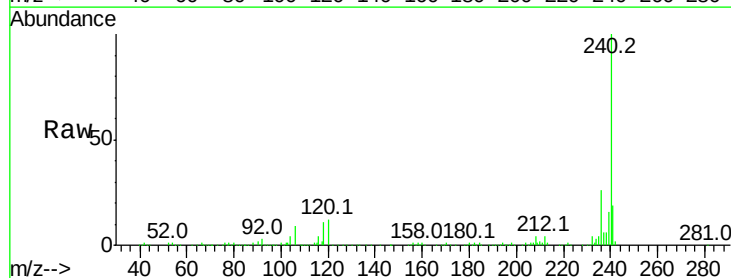


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

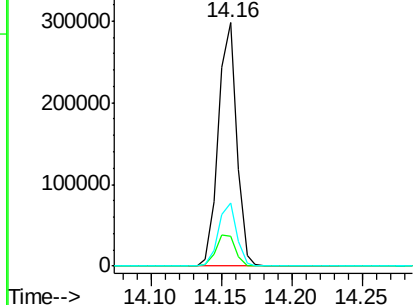
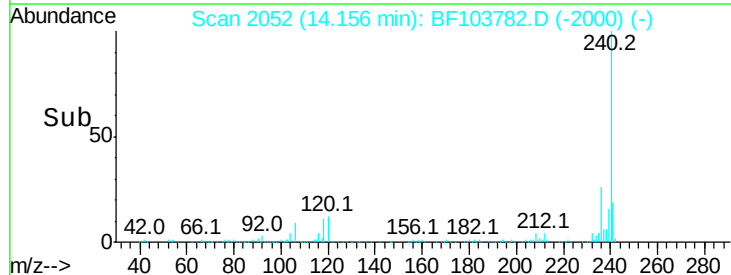


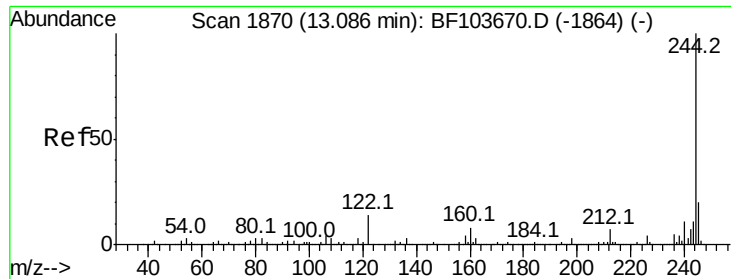
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF103782.D
Acq: 20 Mar 2018 3:12

Tgt Ion:240 Resp: 270673
Ion Ratio Lower Upper
240 100
120 12.1 9.5 14.3
236 26.1 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

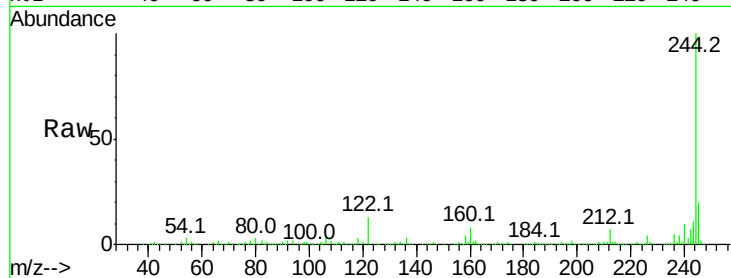




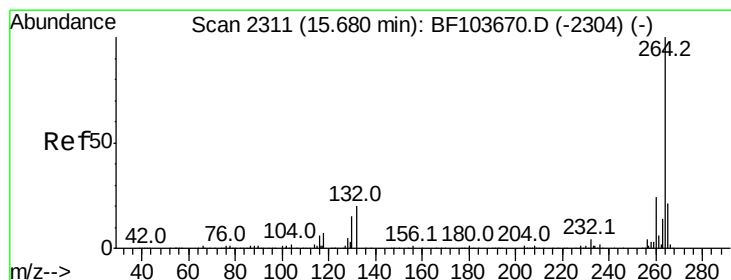
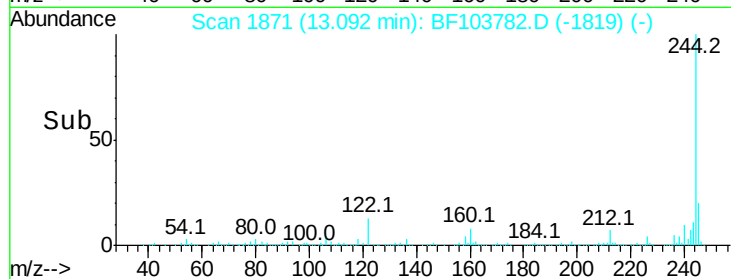
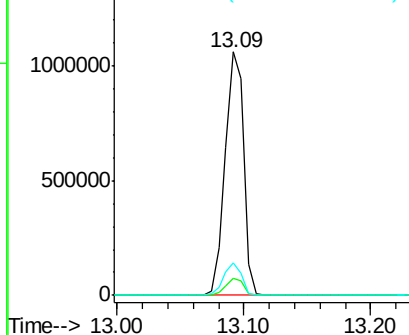
#78
 Terphenyl-d14
 Concen: 91.784 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103782.D
 Acq: 20 Mar 2018 3:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1070314
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 13.5 11.0 16.4

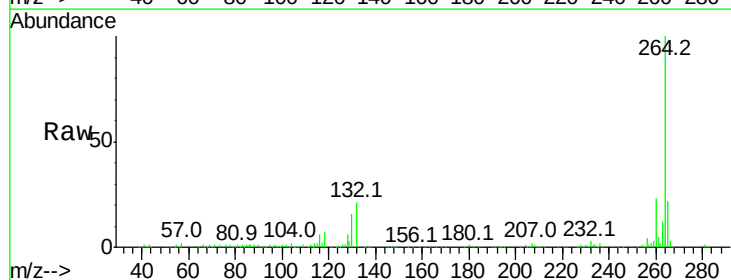


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: BF103782.D
 Acq: 20 Mar 2018 3:12

Tgt Ion:264 Resp: 233432
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.2 28.8
 265 21.6 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

