

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103790.D
 Acq On : 20 Mar 2018 7:43
 Operator : JU/SJ
 Sample : J1954-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 08:14:22 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	138597	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	541854	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	245012	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	404752	20.00	ng	0.00
75) Chrysene-d12	14.16	240	298269	20.00	ng	0.00
86) Perylene-d12	15.70	264	253818	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	380181	41.72	ng	0.00
7) Phenol-d6	6.58	99	303821	27.25	ng	0.00
23) Nitrobenzene-d5	7.53	82	832819	107.18	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	219879	104.37	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1380485	89.88	ng	0.00
78) Terphenyl-d14	13.09	244	1142242	88.89	ng	0.00

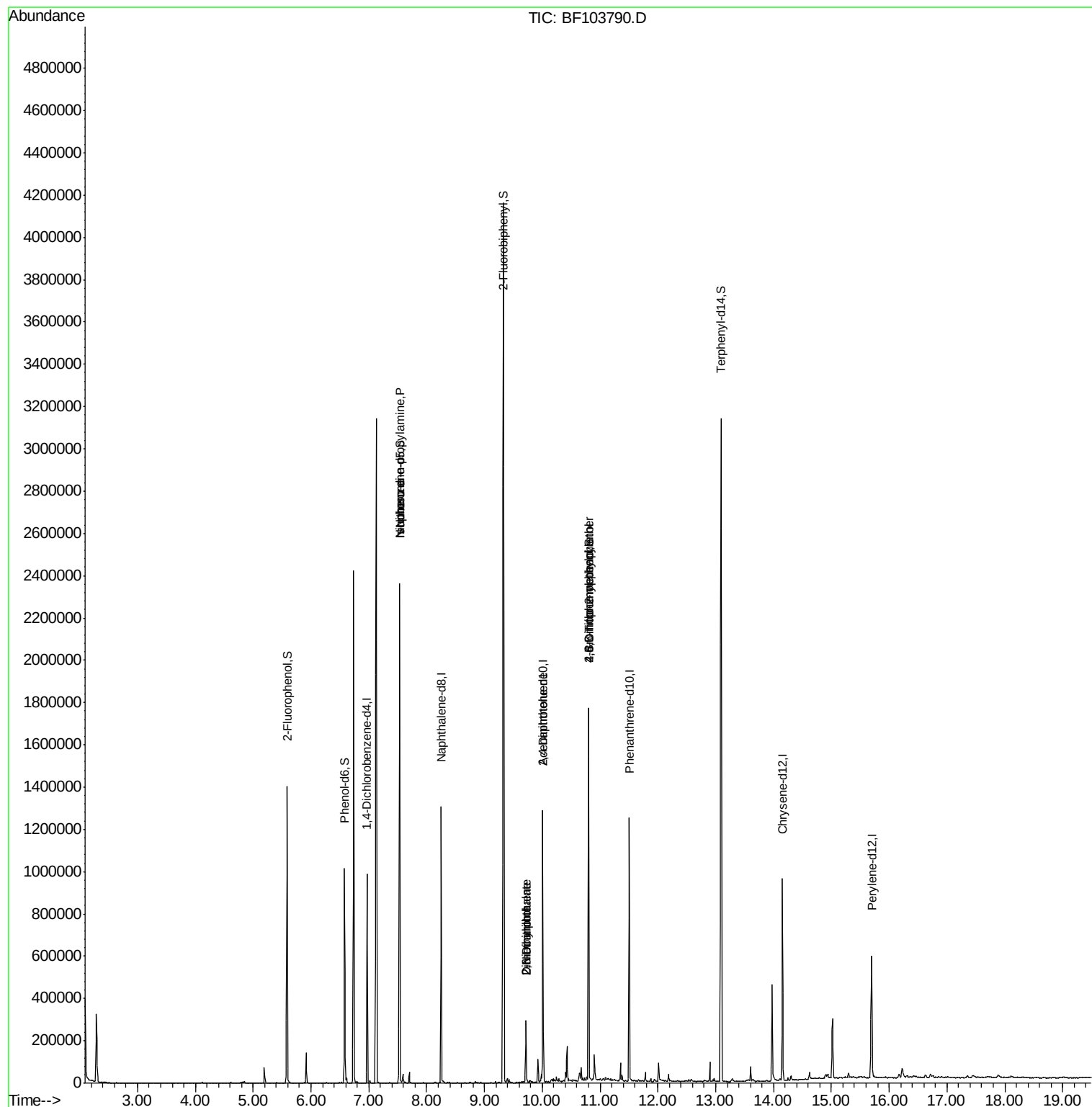
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	108162	15.139	ng	# 72
25) Isophorone	7.53	82	832805	46.300	ng	# 64
47) 2-Nitroaniline	9.72	65	705	6.957	ng	# 1
49) Dimethylphthalate	9.72	163	101008	5.403	ng	# 99
50) 2,6-Dinitrotoluene	9.72	165	1144	4.274	ng	# 13
56) 2,4-Dinitrotoluene	10.01	165	31330	12.167	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	330	8.361	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	13218	3.181	ng	# 1

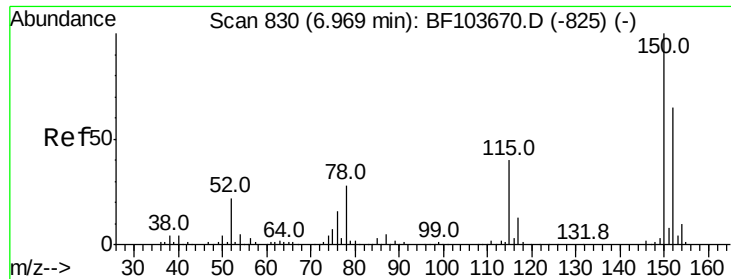
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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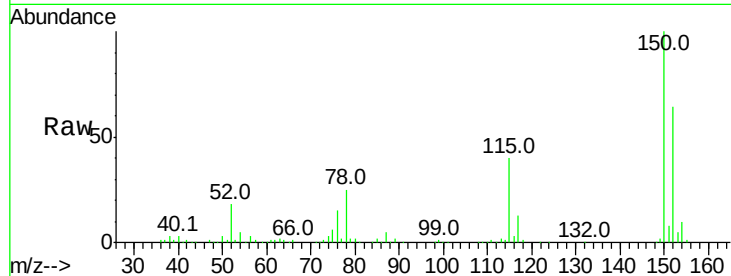


#1

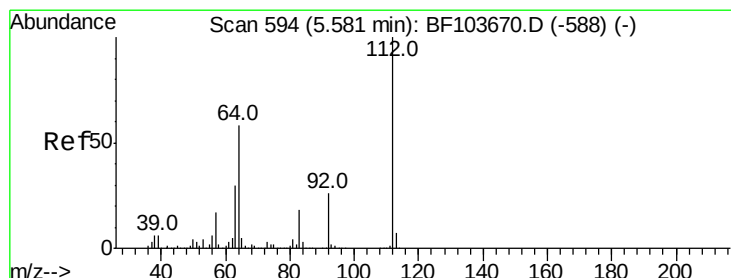
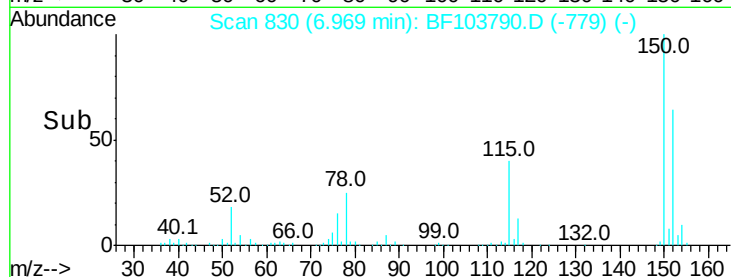
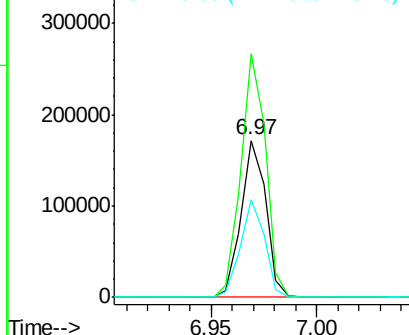
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103790.D
Acq: 20 Mar 2018 7:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138597
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 62.3 50.1 75.1



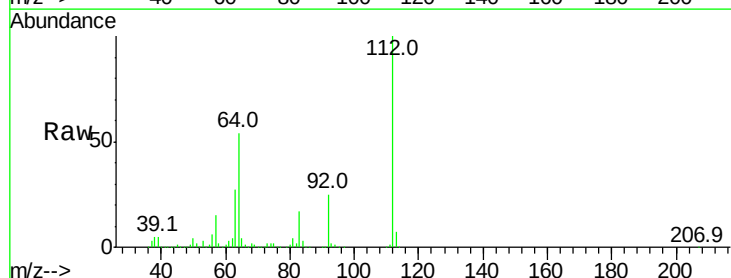
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



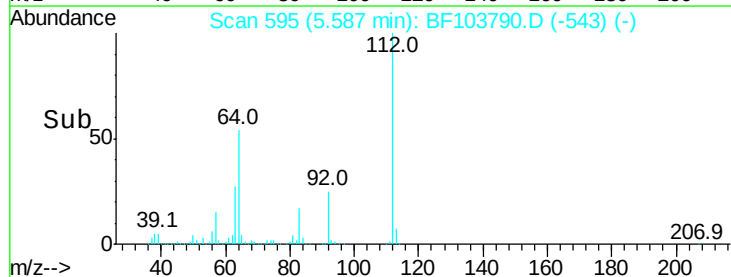
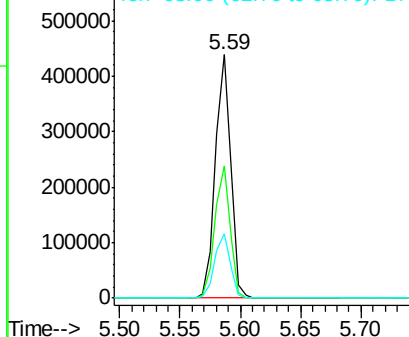
#5

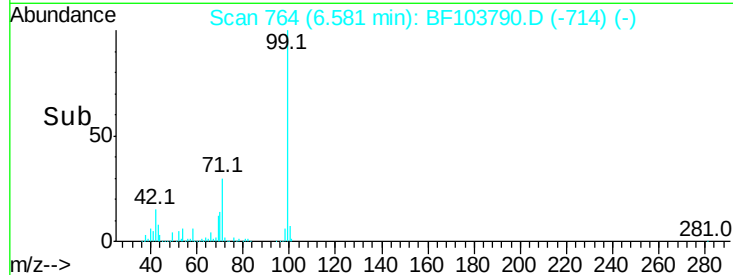
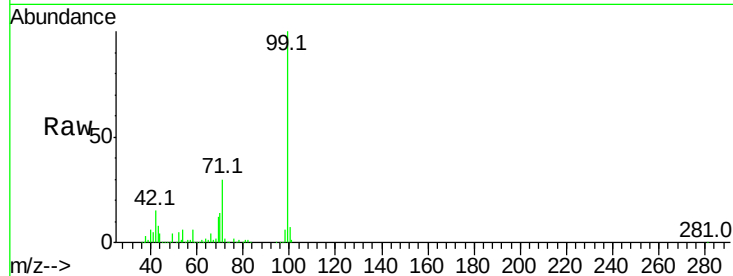
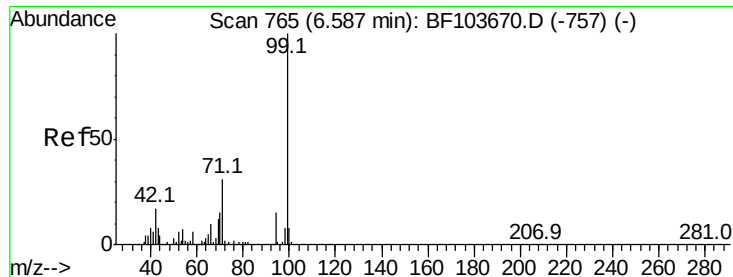
2-Fluorophenol
Concen: 41.722 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF103790.D
Acq: 20 Mar 2018 7:43

Tgt Ion:112 Resp: 380181
Ion Ratio Lower Upper
112 100
64 54.5 47.9 71.9
63 26.7 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: 27.253 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103790.D

Acq: 20 Mar 2018 7:43

Instrument :

BNA_F

ClientSampled :

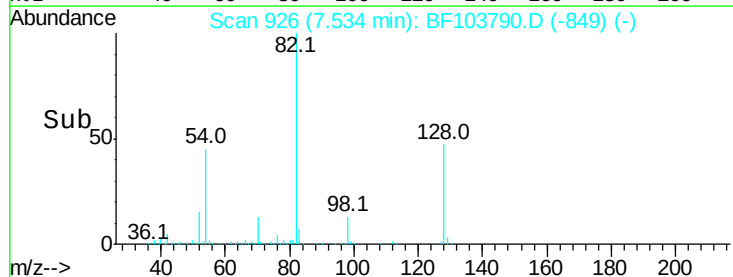
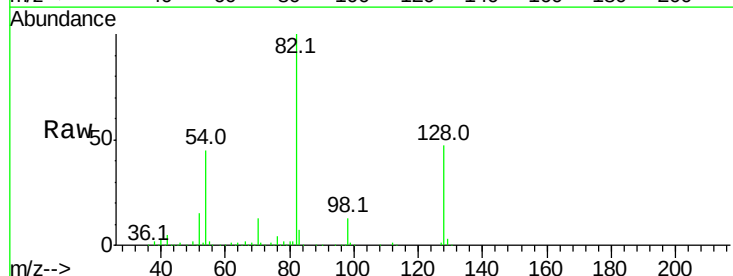
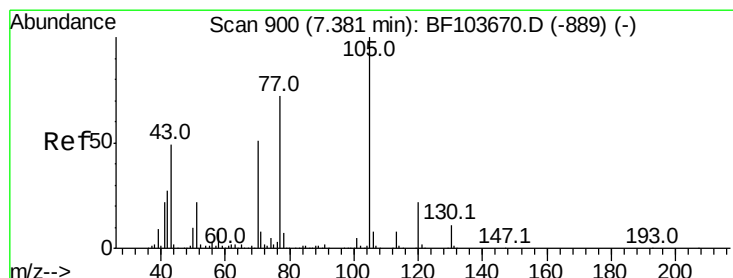
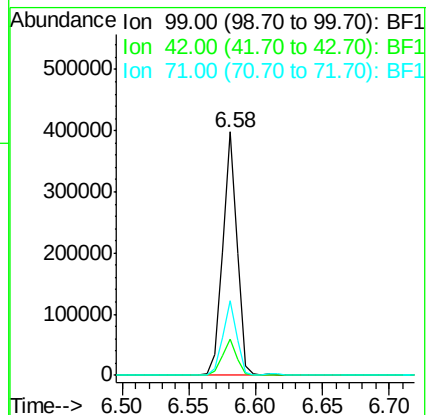
Tot Ion: 99 Resp: 303821

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

71 30.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.139 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103790.D

Acq: 20 Mar 2018 7:43

Tgt Ion: 70 Resp: 108162

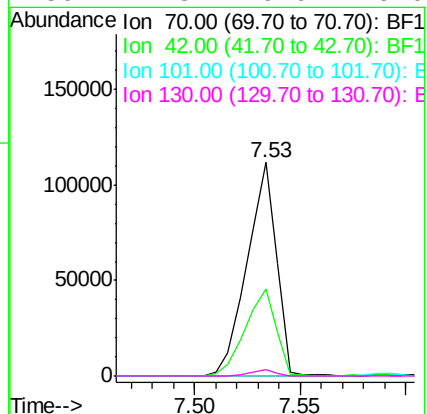
Ion Ratio Lower Upper

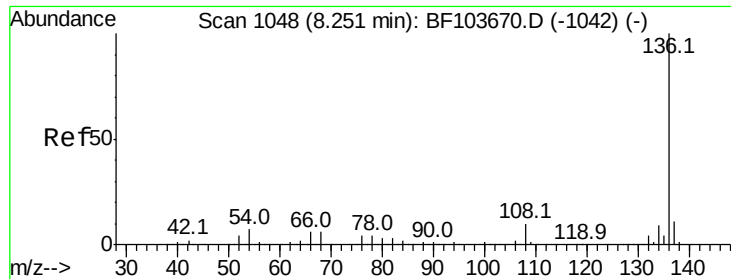
70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

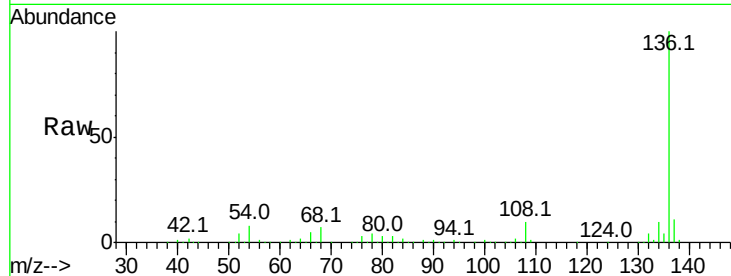




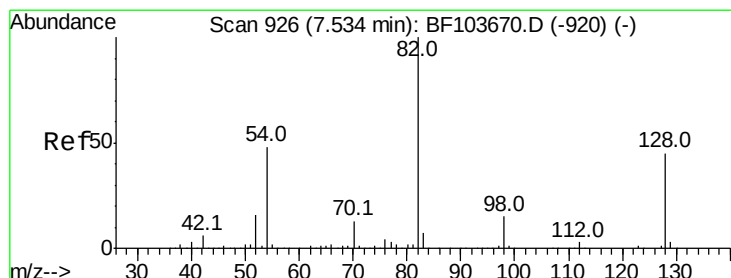
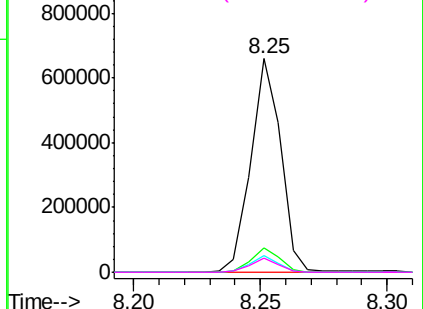
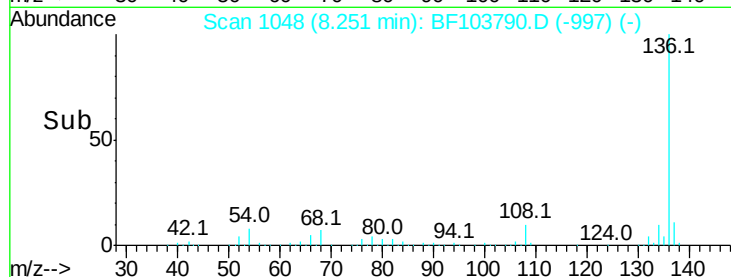
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF103790.D
Acq: 20 Mar 2018 7:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	541854
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.6	6.6	9.8
68	6.8	5.0	7.4

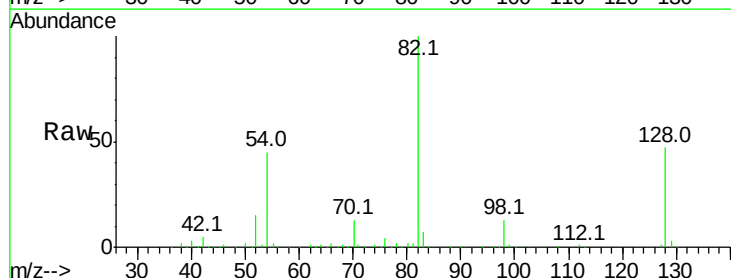


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

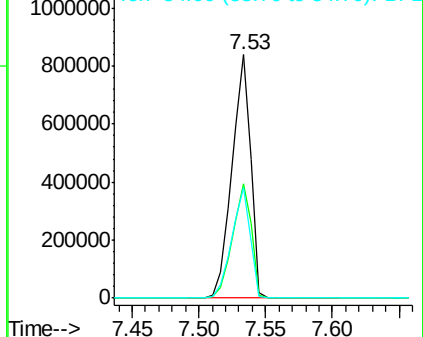
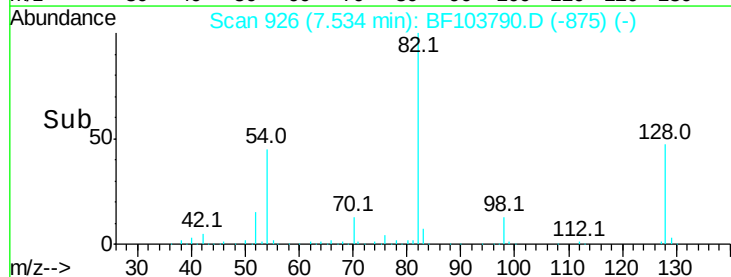


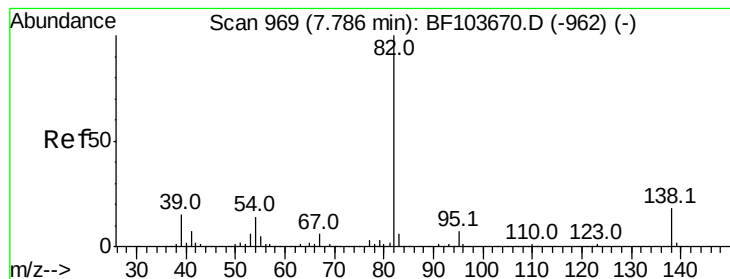
#23
Nitrobenzene-d5
Concen: 107.183 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF103790.D
Acq: 20 Mar 2018 7:43

Tgt Ion:	82	Resp:	832819
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	45.3	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: 46.300 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103790.D

Acq: 20 Mar 2018 7:43

Instrument :

BNA_F

ClientSampleId :

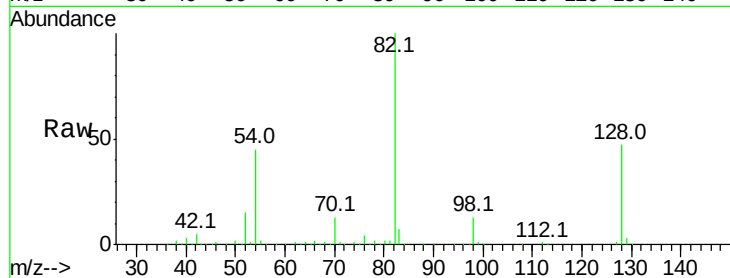
Tot Ion: 82 Resp: 832805

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

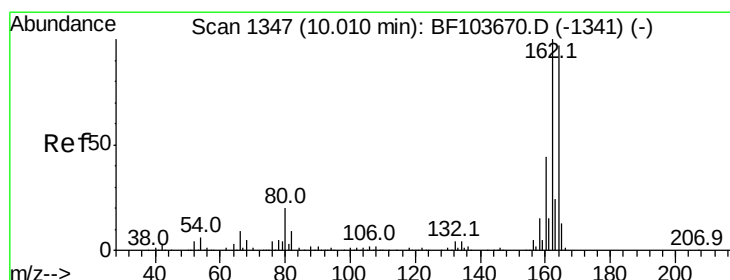
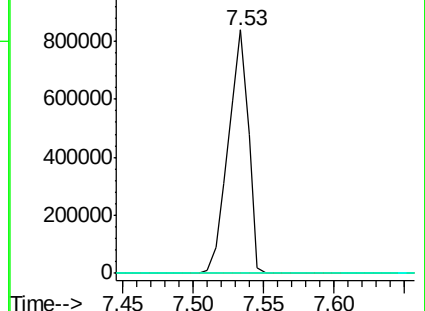
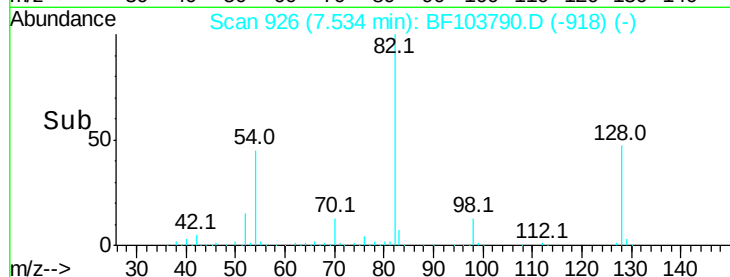
138 0.0 14.9 22.3#



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: BF103790.D

Acq: 20 Mar 2018 7:43

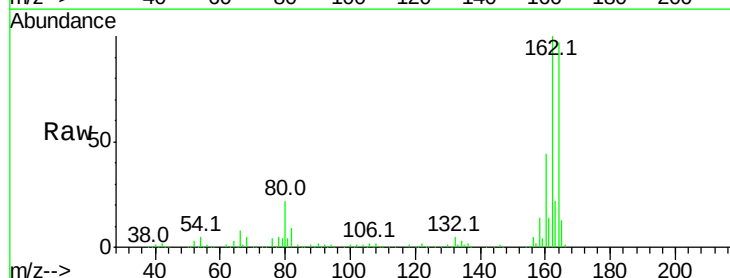
Tgt Ion:164 Resp: 245012

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

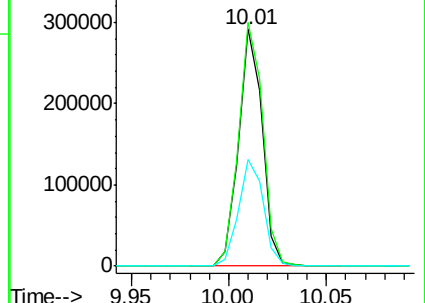
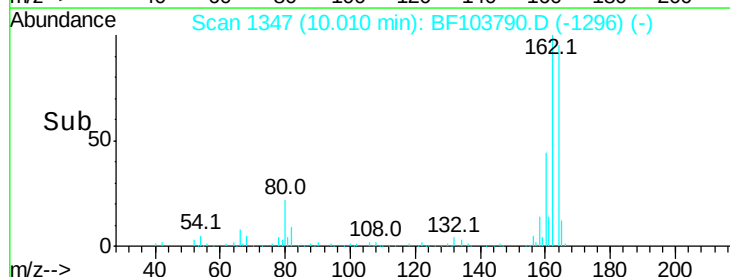
160 45.2 38.3 57.5

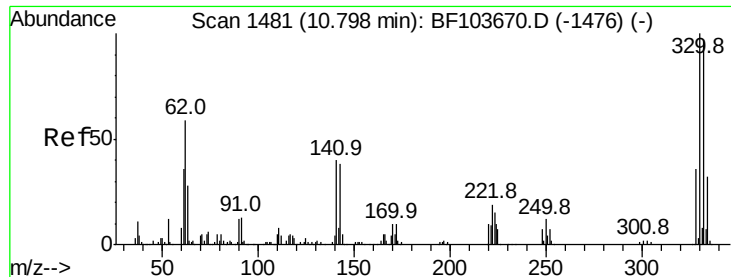


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

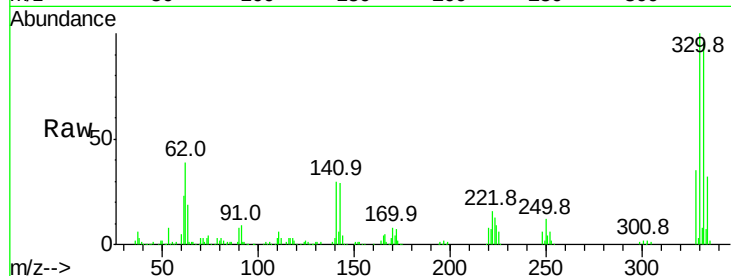




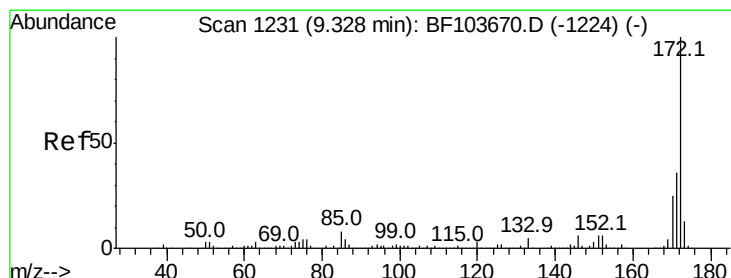
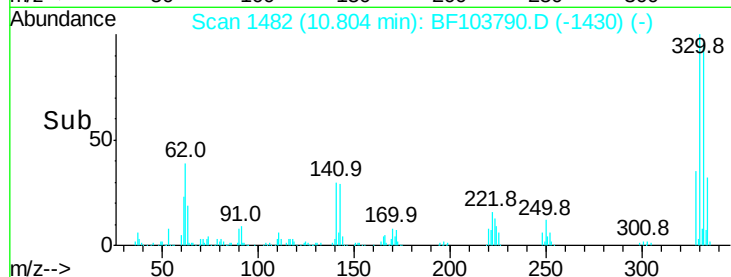
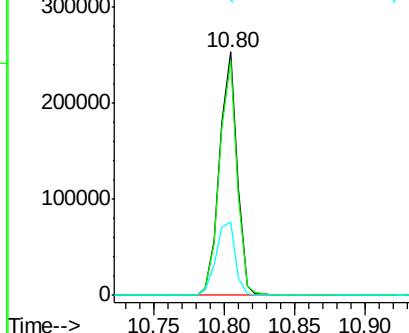
#41
 2,4,6-Tribromophenol
 Concen: 104.375 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103790.D
 Acq: 20 Mar 2018 7:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	33.2	29.9	44.9

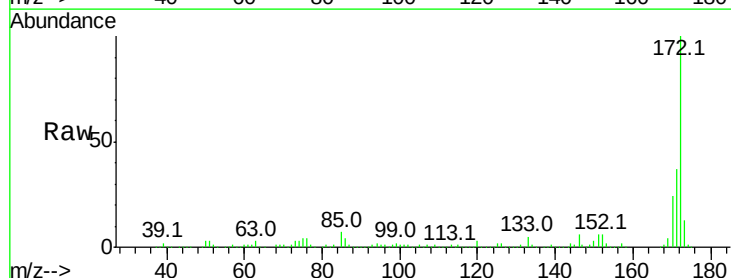


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

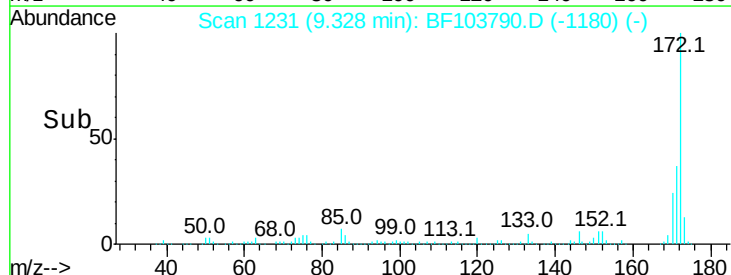
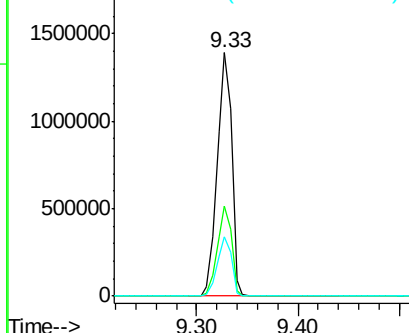


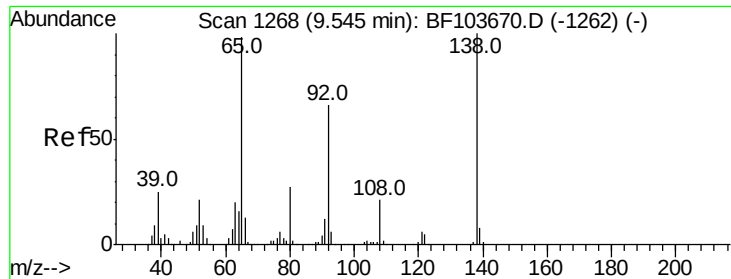
#44
 2-Fluorobiphenyl
 Concen: 89.876 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103790.D
 Acq: 20 Mar 2018 7:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.1	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: 6.957 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.17 min

Lab File: BF103790.D

Acq: 20 Mar 2018 7:43

Instrument :

BNA_F

ClientSampleId :

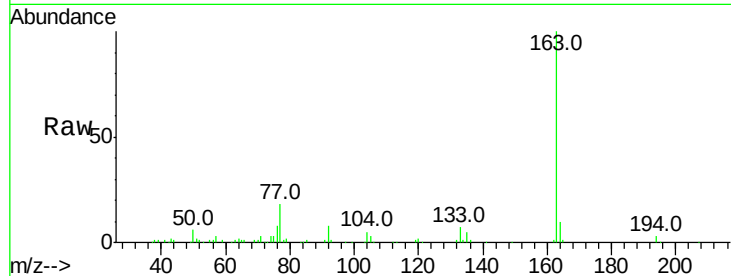
Tot Ion: 65 Resp: 705

Ion Ratio Lower Upper

65 100

92 919.8 55.8 83.6#

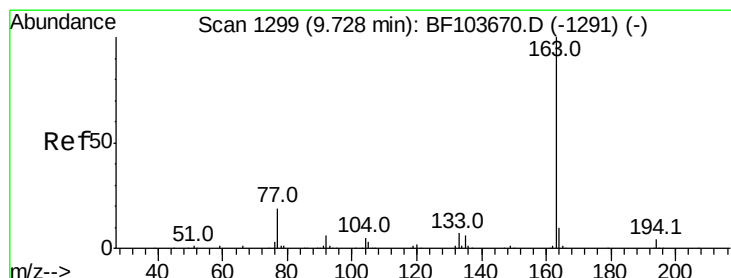
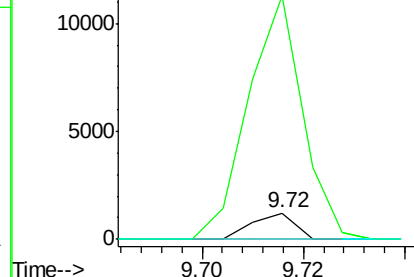
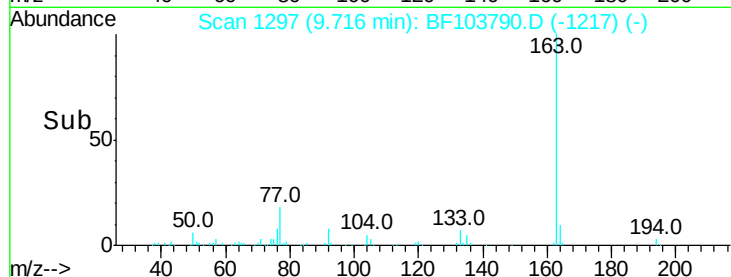
138 0.0 91.2 136.8#



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): BF1



#49

Dimethylphthalate

Concen: 5.403 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103790.D

Acq: 20 Mar 2018 7:43

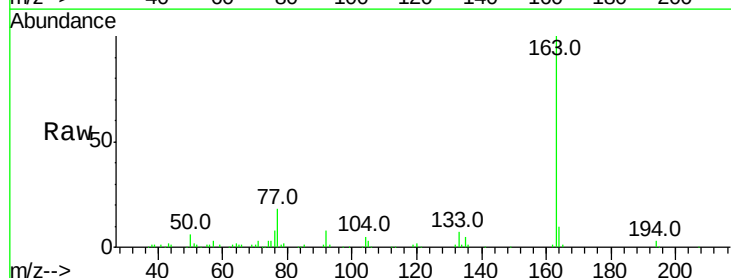
Tgt Ion:163 Resp: 101008

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

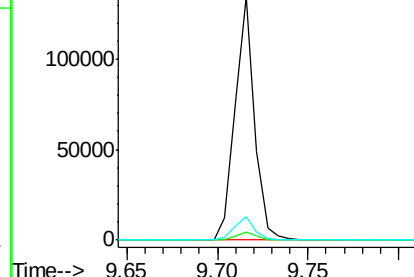
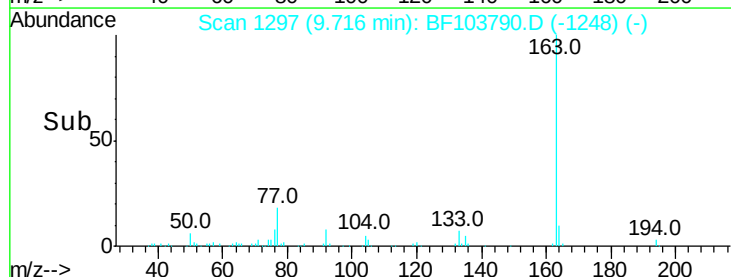
164 9.5 8.2 12.2

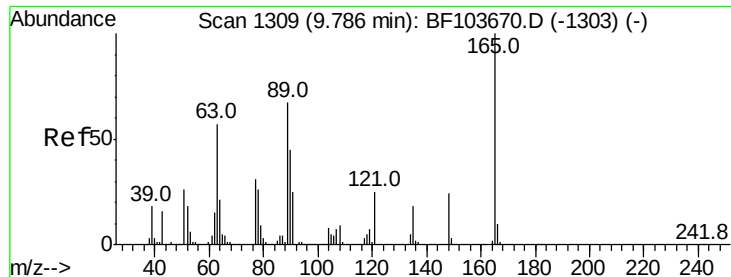


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 4.274 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.07 min

Lab File: BF103790.D

Acq: 20 Mar 2018 7:43

Instrument :

BNA_F

ClientSampled :

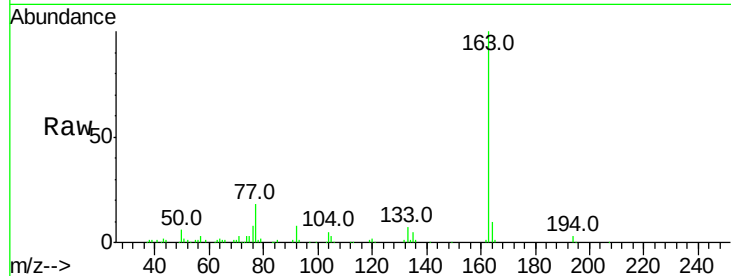
Tot Ion:165 Resp: 1144

Ion Ratio Lower Upper

165 100

63 127.5 44.7 67.1#

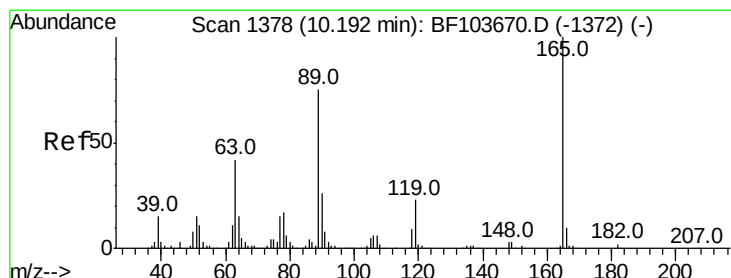
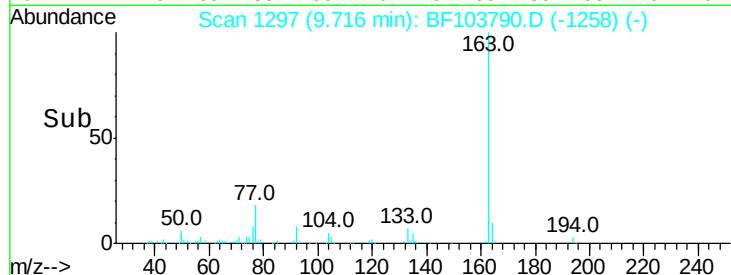
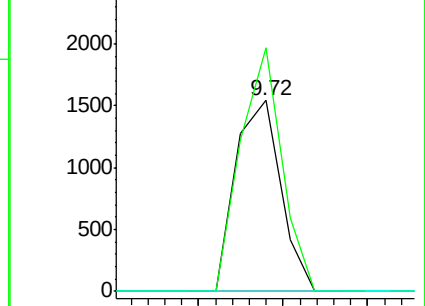
89 0.0 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 12.167 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.18 min

Lab File: BF103790.D

Acq: 20 Mar 2018 7:43

Tgt Ion:165 Resp: 31330

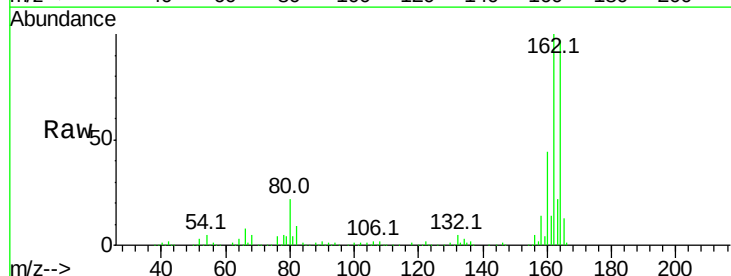
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

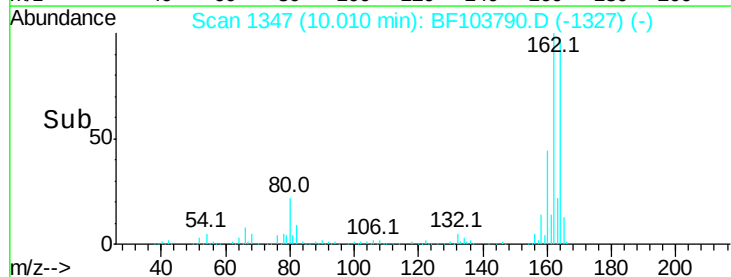
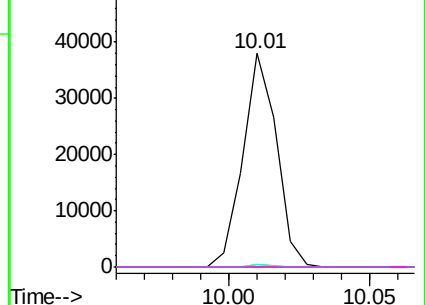


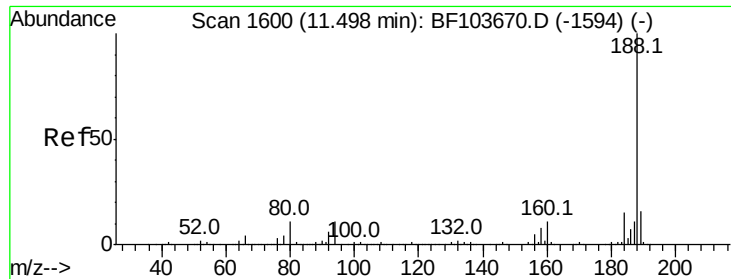
Abundance Ion 165.00 (164.70 to 165.70): E

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

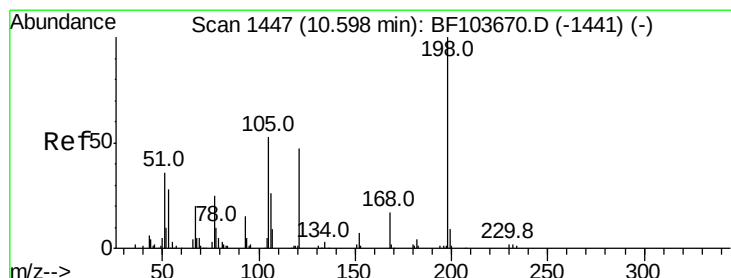
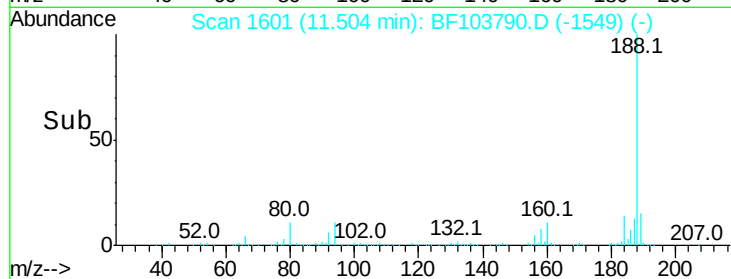
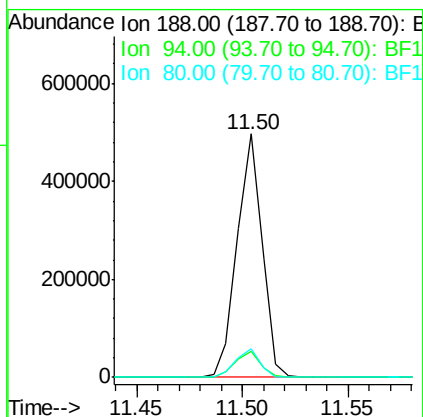
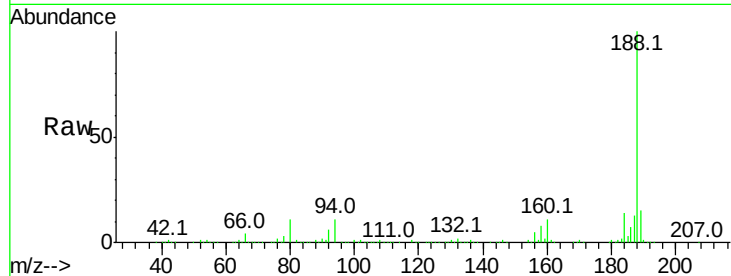




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103790.D
 Acq: 20 Mar 2018 7:43

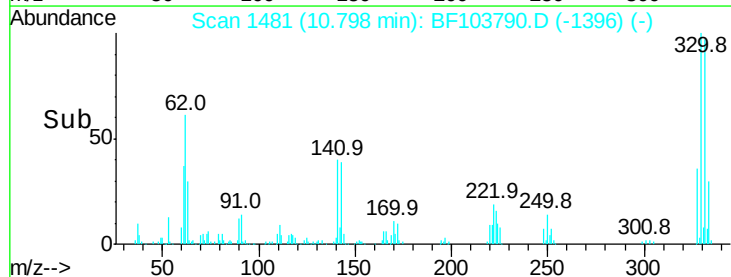
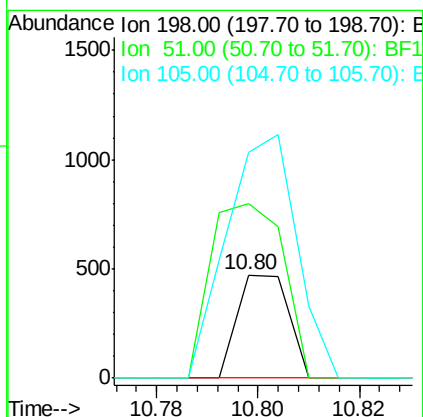
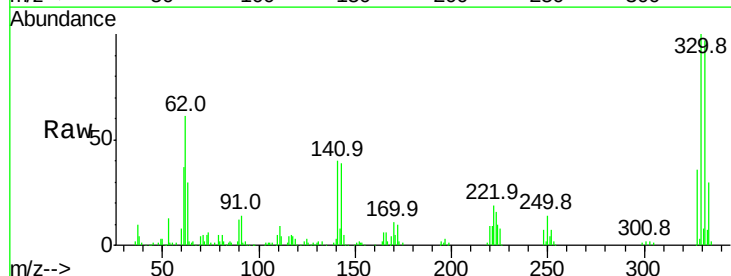
Instrument :
 BNA_F
 ClientSampleId :

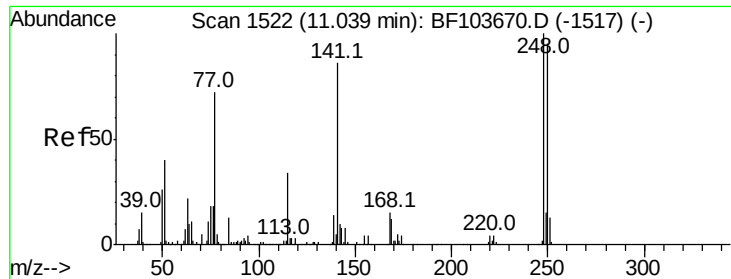
Tot Ion:188 Resp: 404752
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 11.5 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.361 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. 0.20 min
 Lab File: BF103790.D
 Acq: 20 Mar 2018 7:43

Tgt Ion:198 Resp: 330
 Ion Ratio Lower Upper
 198 100
 51 169.1 37.7 77.7#
 105 219.5 36.3 76.3#

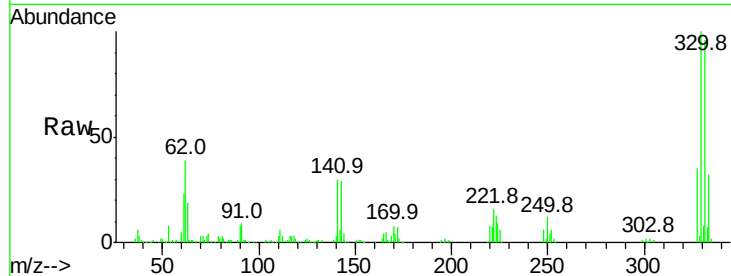




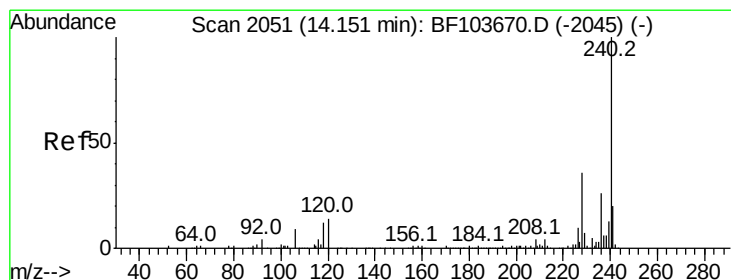
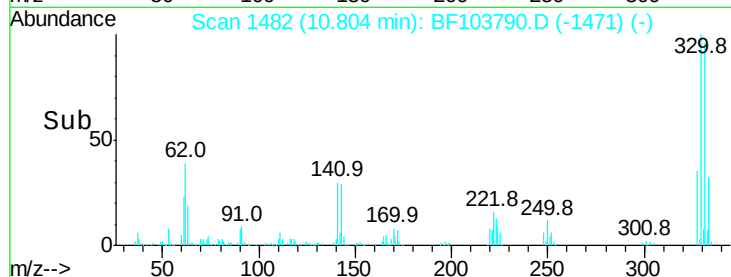
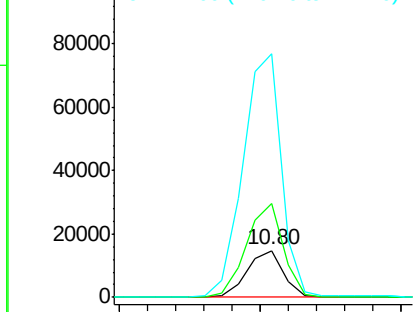
#66
4-Bromophenyl-phenylether
Concen: 3.181 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103790.D
Acq: 20 Mar 2018 7:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13218
Ion Ratio Lower Upper
248 100
250 200.4 76.9 115.3#
141 518.8 74.4 111.6#

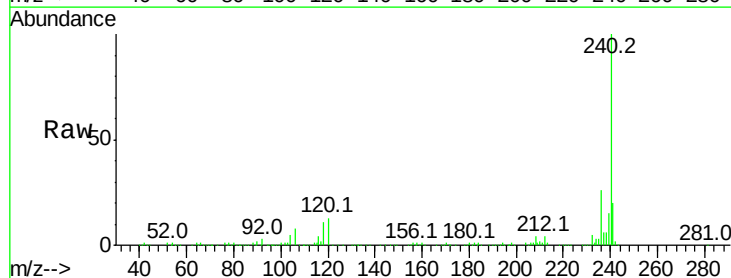


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

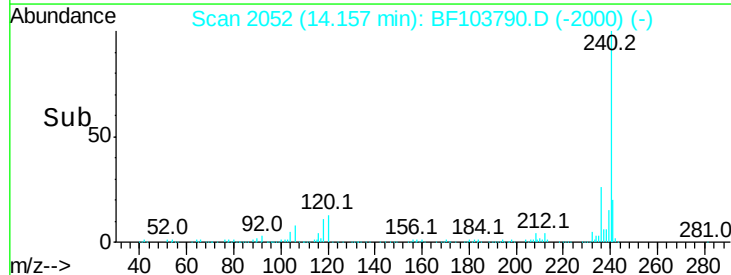
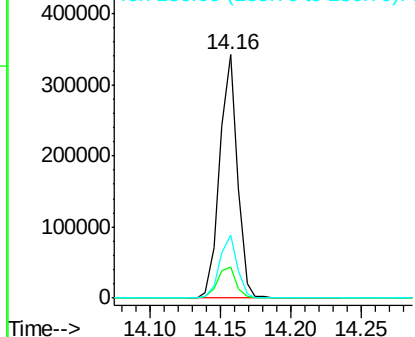


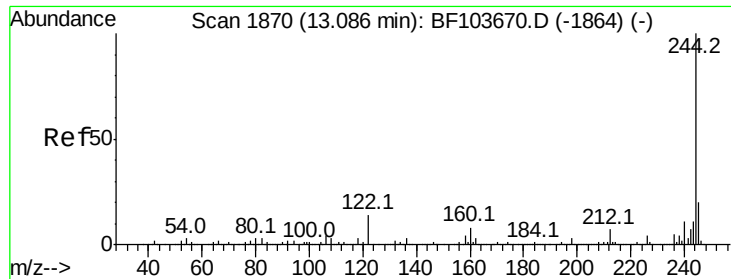
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF103790.D
Acq: 20 Mar 2018 7:43

Tgt Ion:240 Resp: 298269
Ion Ratio Lower Upper
240 100
120 12.9 9.5 14.3
236 25.9 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: 88.890 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103790.D

Acq: 20 Mar 2018 7:43

Instrument :

BNA_F

ClientSampled :

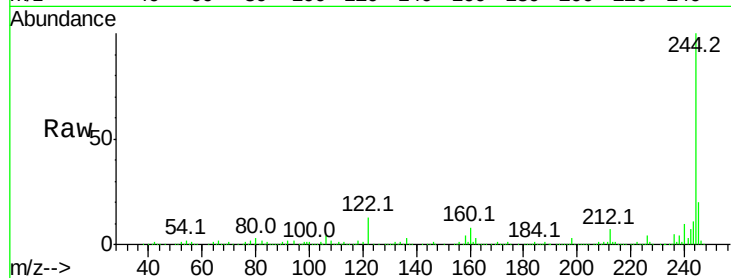
Tot Ion:244 Resp: 1142242

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

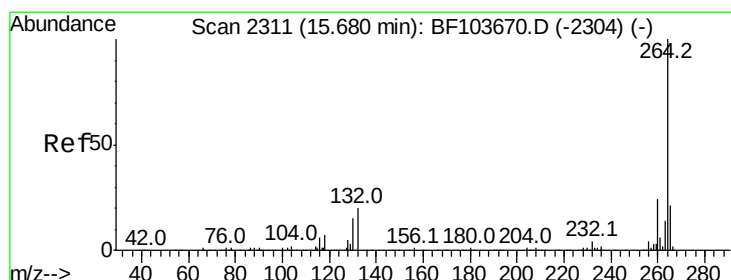
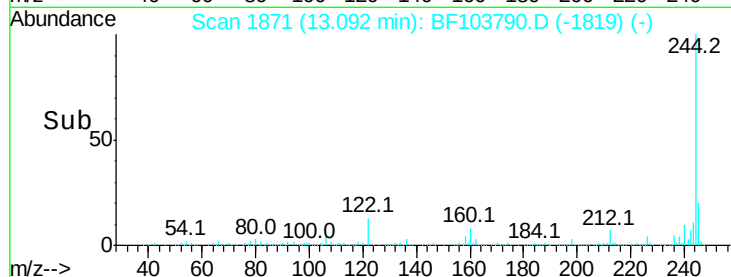
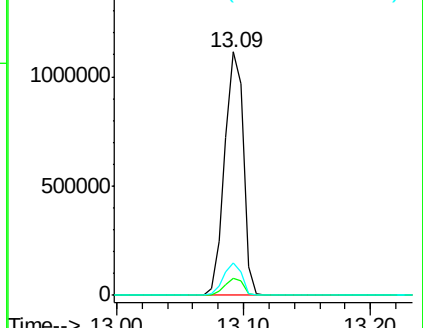
122 13.4 11.0 16.4



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: 15.70 min Scan# 2314

Delta R.T. 0.02 min

Lab File: BF103790.D

Acq: 20 Mar 2018 7:43

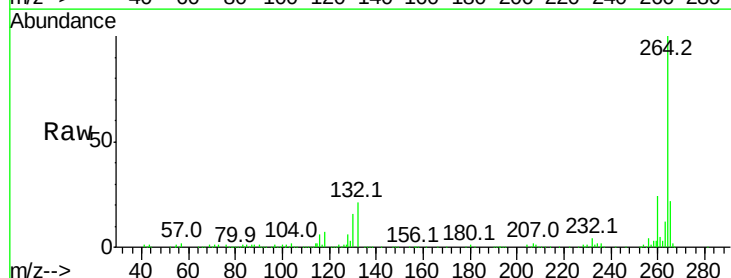
Tgt Ion:264 Resp: 253818

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.5 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

