

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103972.D
 Acq On : 27 Mar 2018 16:25
 Operator : JU/SJ
 Sample : PB107636BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 03:51:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	132459	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	544486	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	257726	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	494634	20.00	ng	0.00
75) Chrysene-d12	14.16	240	440733	20.00	ng	-0.01
86) Perylene-d12	15.70	264	388759	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	1006551	115.58	ng	0.02
7) Phenol-d6	6.60	99	1201509	112.77	ng	0.00
23) Nitrobenzene-d5	7.53	82	730724	93.59	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	335351	151.34	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1355142	83.87	ng	0.00
78) Terphenyl-d14	13.09	244	1453690	76.56	ng	0.00

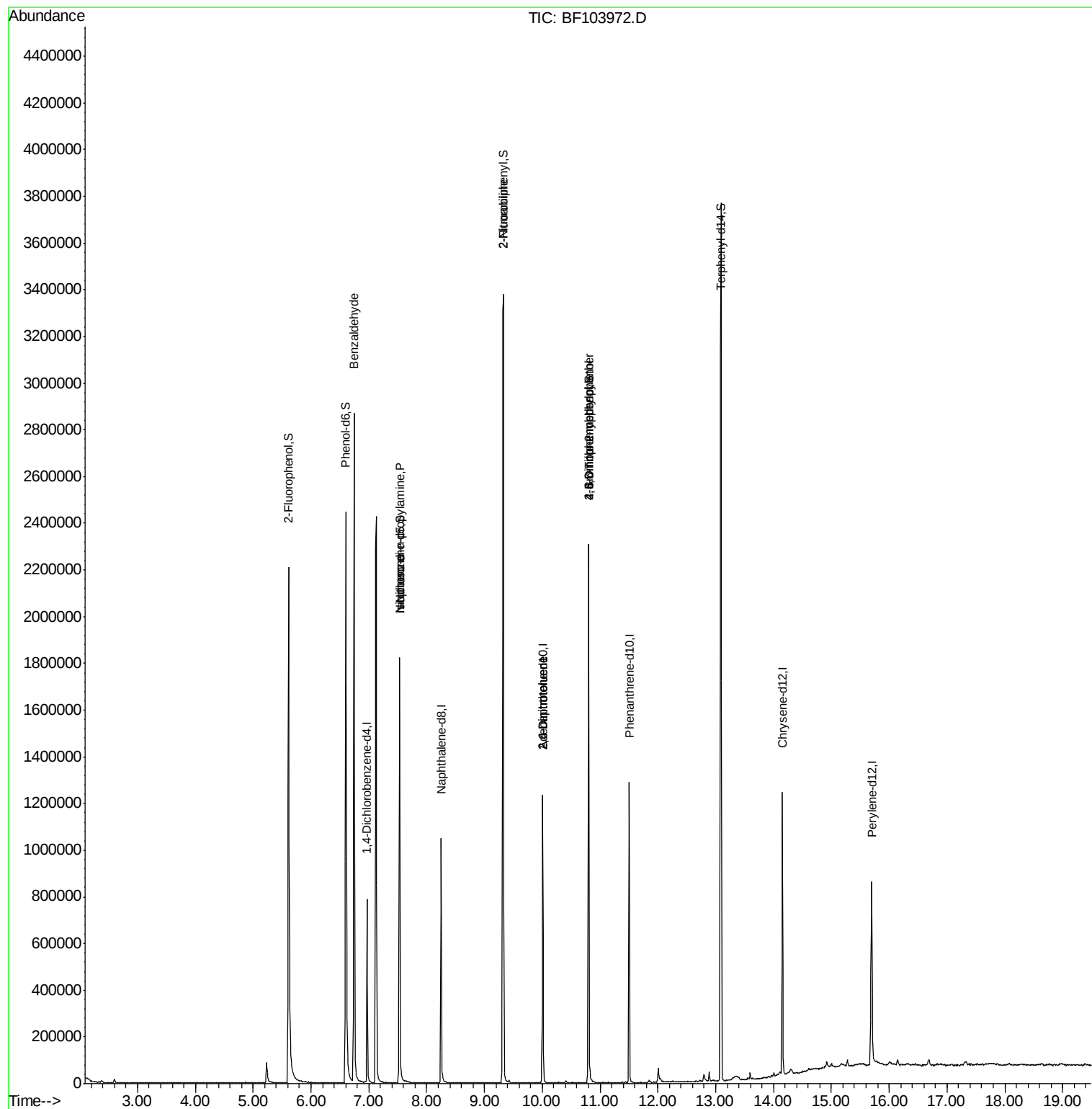
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	20484	2.926	ng	85
19) n-Nitroso-di-n-propylamine	7.53	70	92978	13.617	ng	# 72
25) Isophorone	7.53	82	730721	40.428	ng	# 64
47) 2-Nitroaniline	9.32	65	1955	7.190	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	32790	11.889	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	32790	12.137	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	593	8.476	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	19671	3.873	ng	# 1

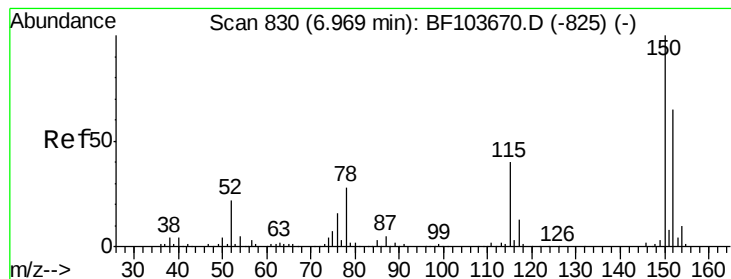
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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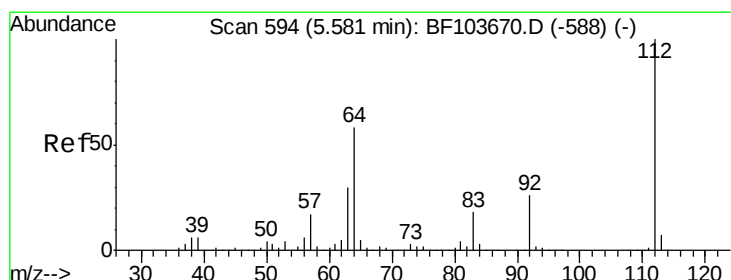
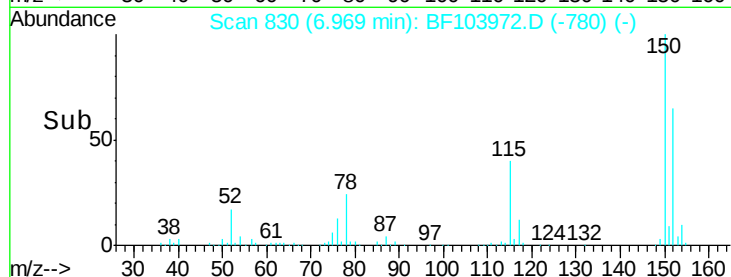
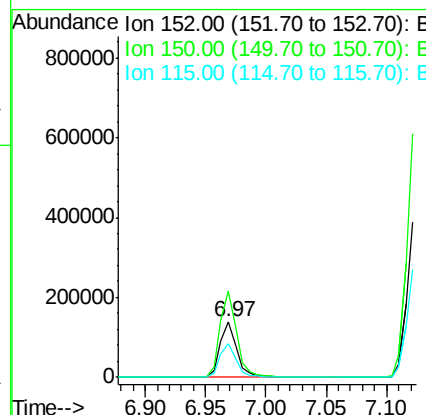
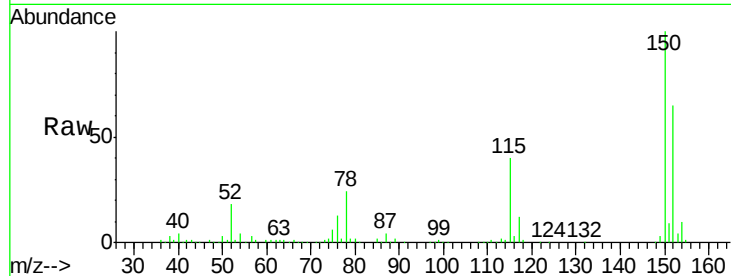


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103972.D
Acq: 27 Mar 2018 16:25

Instrument :
BNA_F
ClientSampleId :

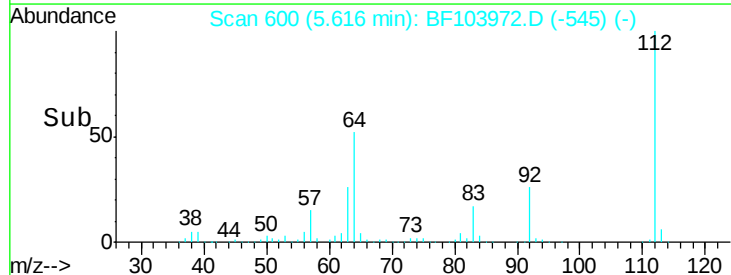
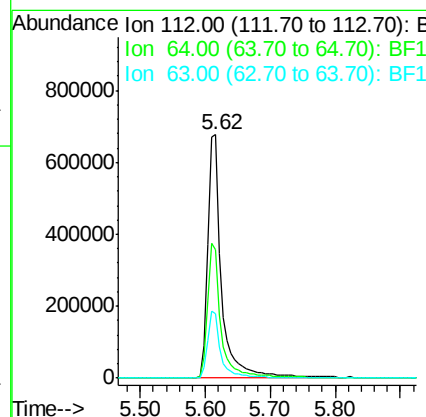
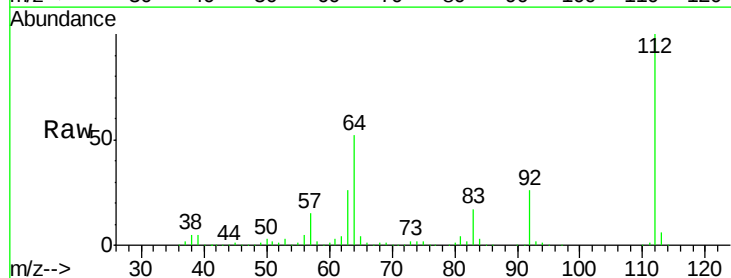
Tot Ion:152 Resp: 132459
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 61.4 50.1 75.1

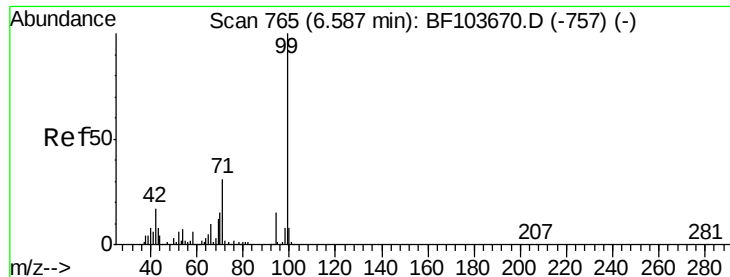


#5

2-Fluorophenol
Concen: 115.580 ng
RT: 5.62 min Scan# 600
Delta R.T. 0.02 min
Lab File: BF103972.D
Acq: 27 Mar 2018 16:25

Tgt Ion:112 Resp: 1006551
Ion Ratio Lower Upper
112 100
64 52.5 47.9 71.9
63 26.3 23.7 35.5





#7

Phenol-d6

Concen: 112.770 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103972.D

Acq: 27 Mar 2018 16:25

Instrument :

BNA_F

ClientSampleId :

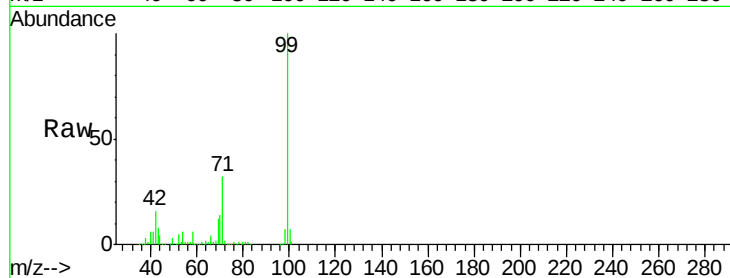
Tot Ion: 99 Resp: 1201509

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

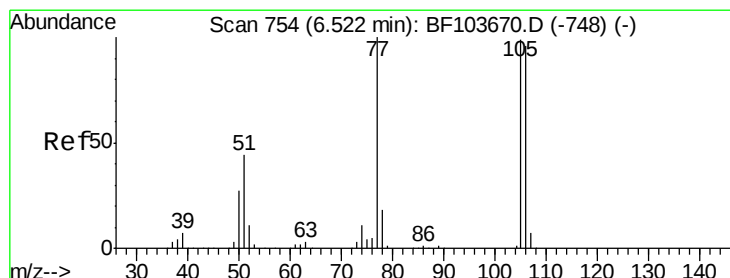
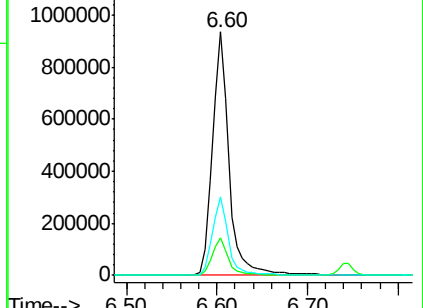
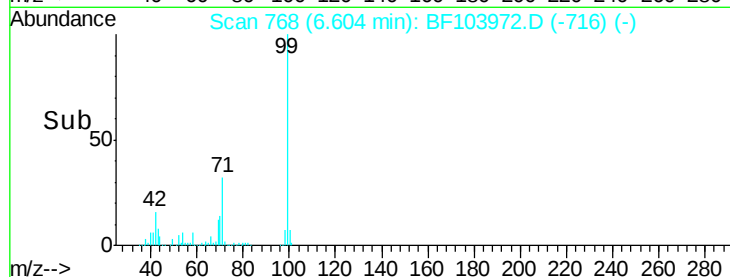
71 32.4 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.926 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103972.D

Acq: 27 Mar 2018 16:25

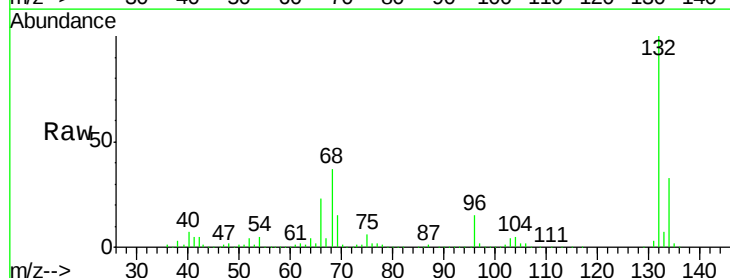
Tgt Ion: 77 Resp: 20484

Ion Ratio Lower Upper

77 100

105 86.8 81.1 121.1

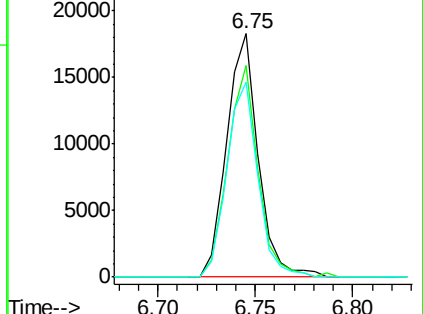
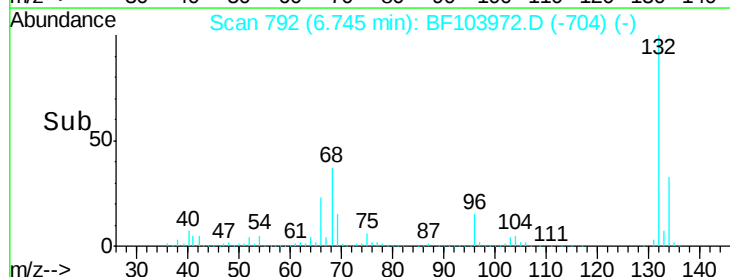
106 79.9 74.5 114.5

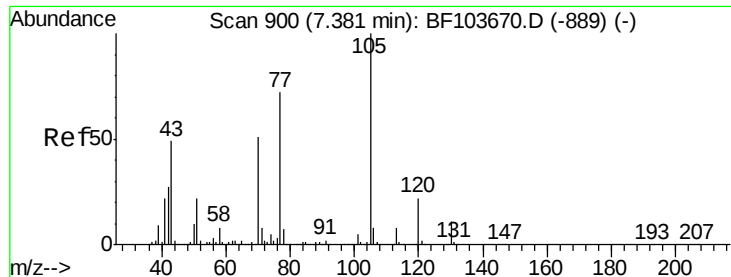


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

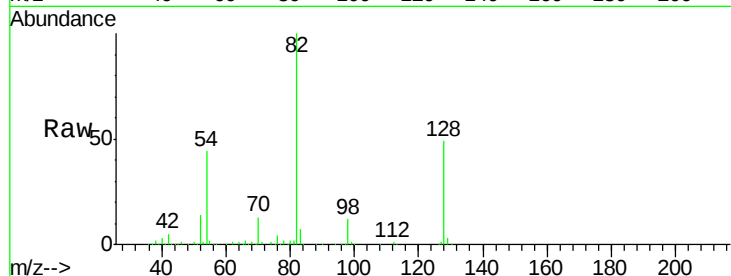




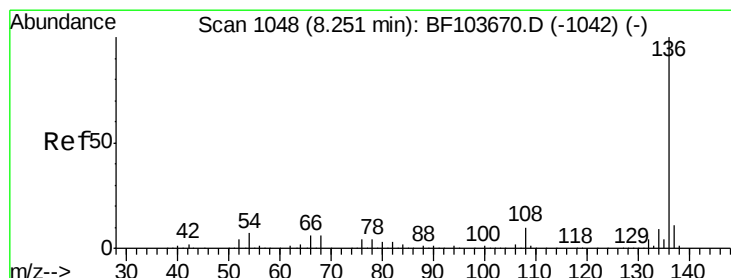
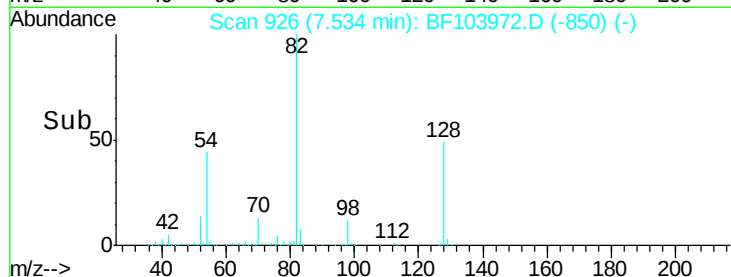
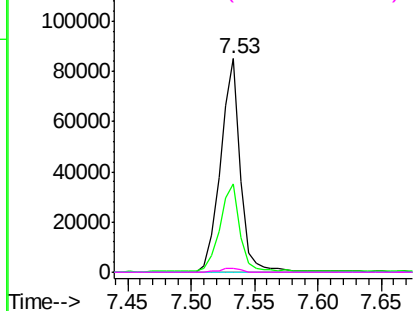
#19
n-Nitroso-di-n-propylamine
Concen: 13.617 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103972.D
Acq: 27 Mar 2018 16:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 92978
Ion Ratio Lower Upper
70 100
42 41.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#

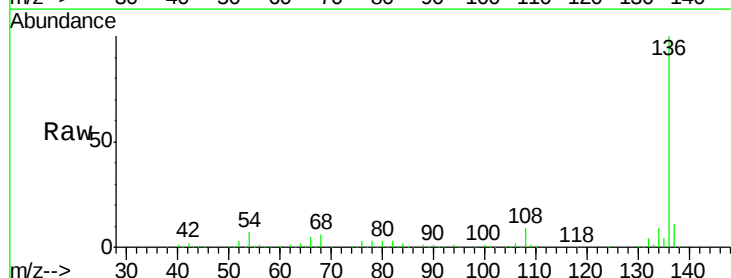


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

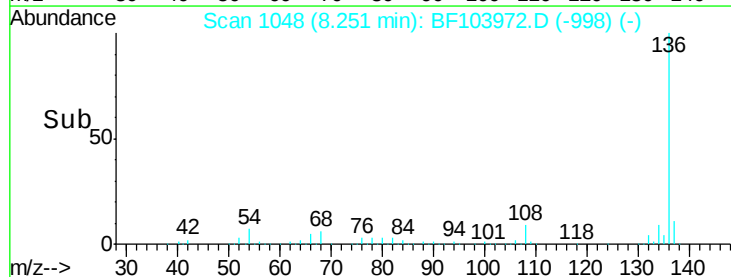
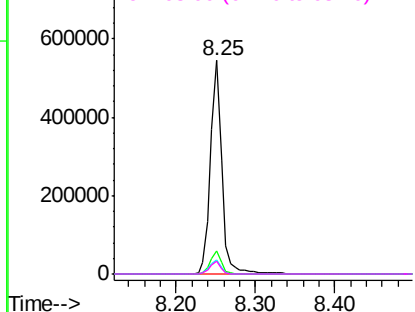


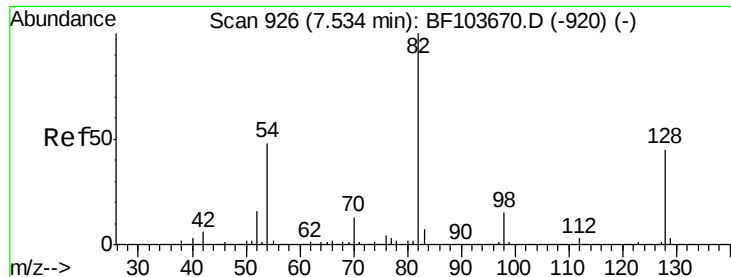
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103972.D
Acq: 27 Mar 2018 16:25

Tgt Ion:136 Resp: 544486
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.6 6.6 9.8
68 5.8 5.0 7.4



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

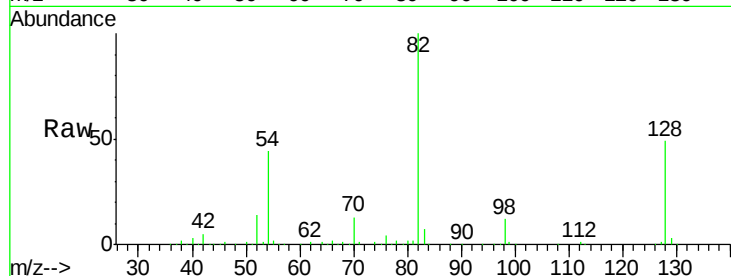




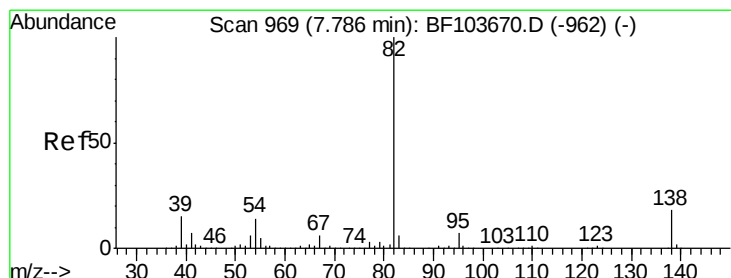
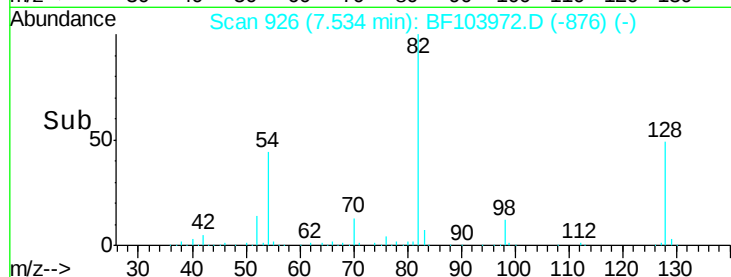
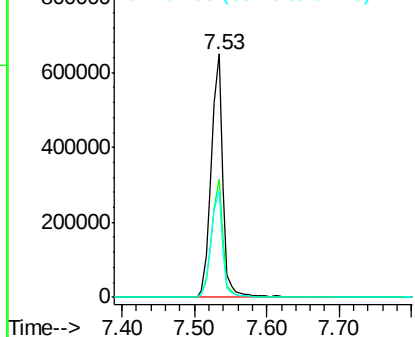
#23
 Nitrobenzene-d5
 Concen: 93.589 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF103972.D
 Acq: 27 Mar 2018 16:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 730724
 Ion Ratio Lower Upper
 82 100
 128 48.6 36.1 54.1
 54 43.7 41.4 62.2

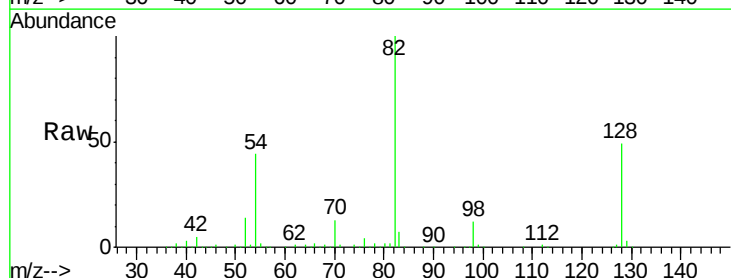


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

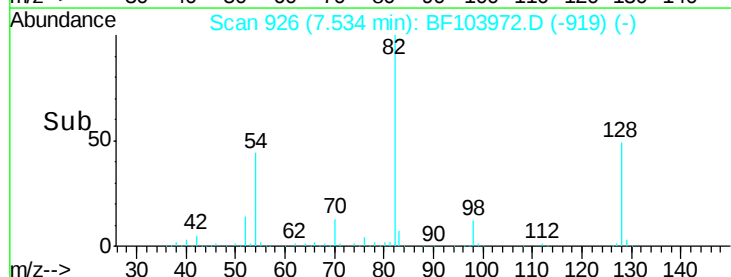
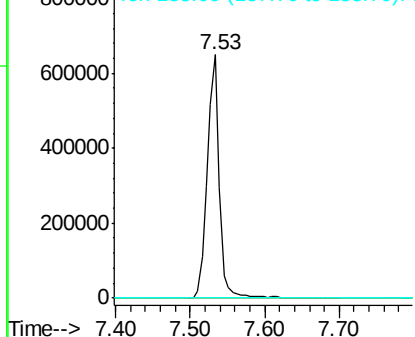


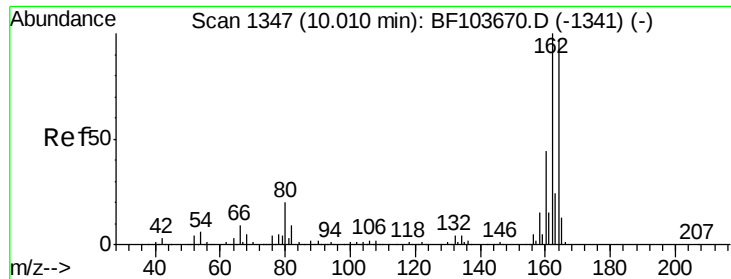
#25
 Isophorone
 Concen: 40.428 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.26 min
 Lab File: BF103972.D
 Acq: 27 Mar 2018 16:25

Tgt Ion: 82 Resp: 730721
 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. -0.01 min

Lab File: BF103972.D

Acq: 27 Mar 2018 16:25

Instrument :

BNA_F

ClientSampleId :

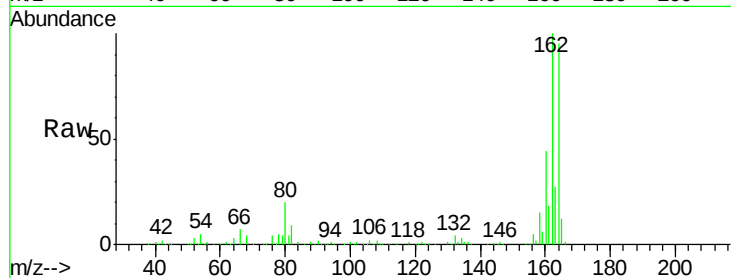
Tot Ion:164 Resp: 257726

Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

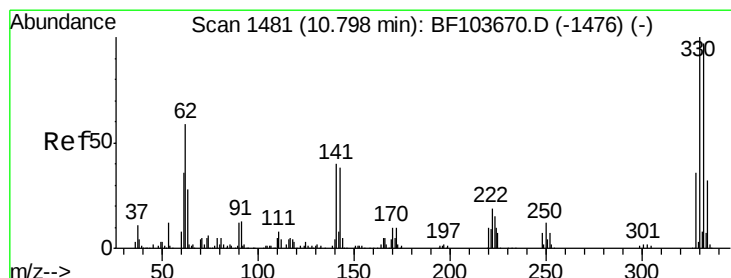
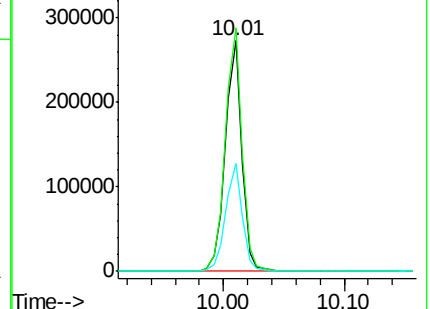
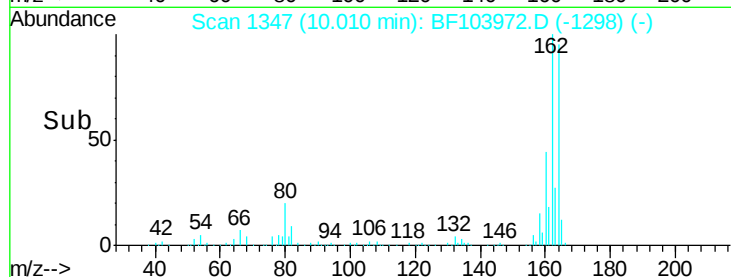
160 46.9 38.3 57.5



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: 151.335 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF103972.D

Acq: 27 Mar 2018 16:25

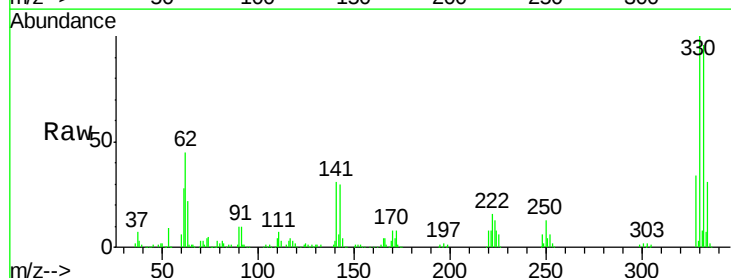
Tgt Ion:330 Resp: 335351

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

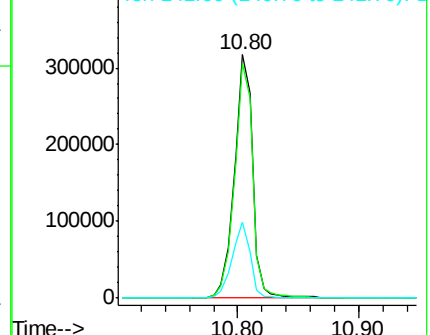
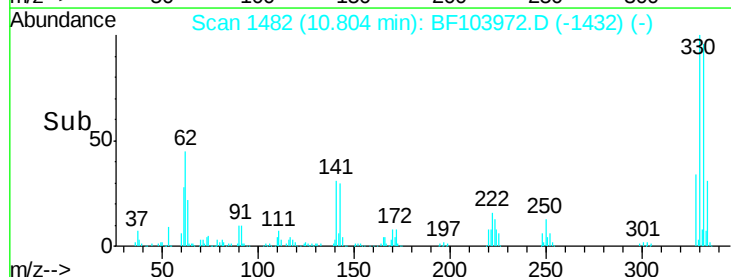
141 31.3 29.9 44.9

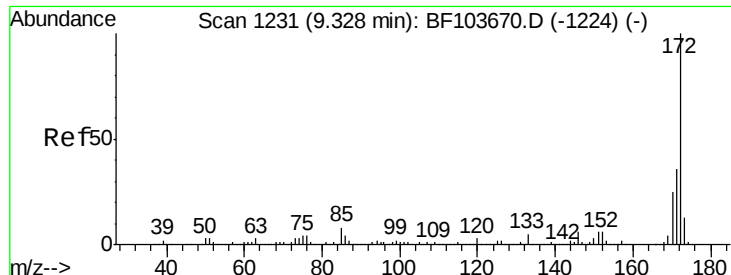


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

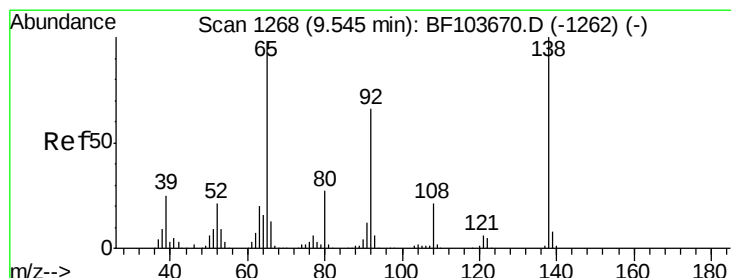
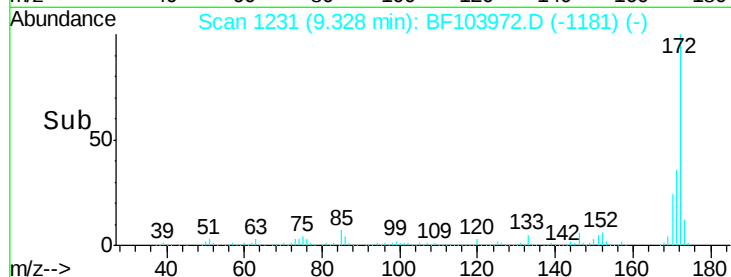
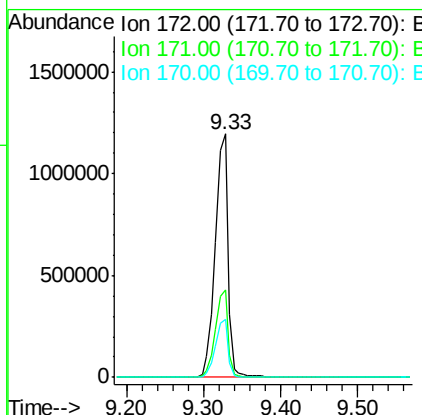
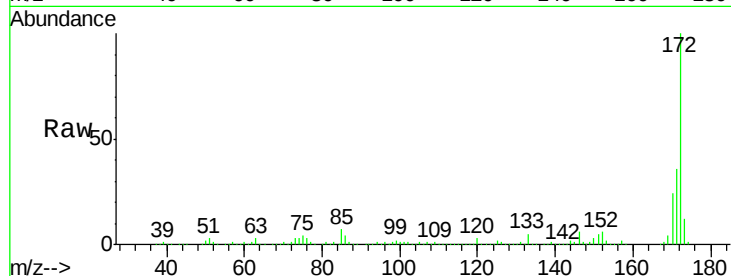




#44
2-Fluorobiphenyl
Concen: 83.874 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103972.D
Acq: 27 Mar 2018 16:25

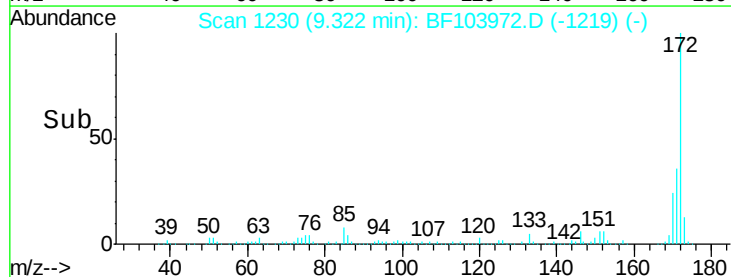
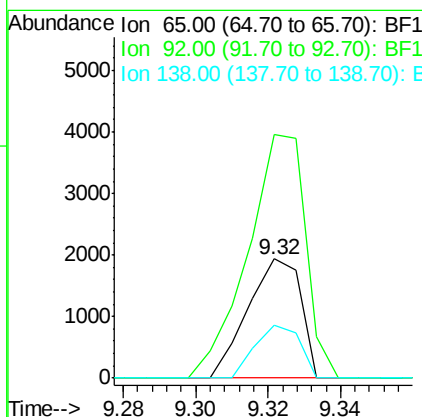
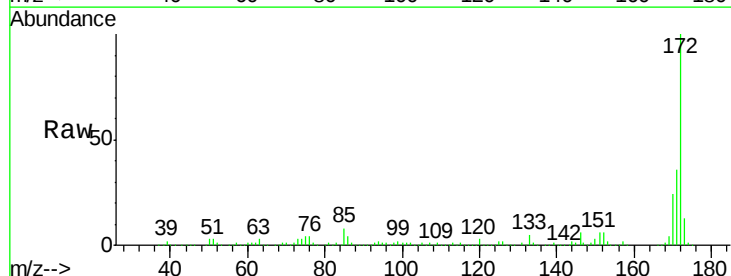
Instrument :
BNA_F
ClientSampleId :

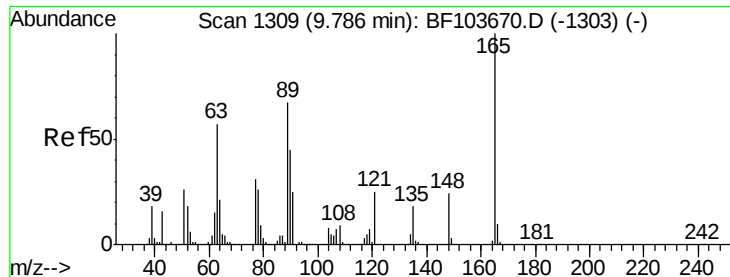
Tot Ion:172 Resp: 1355142
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 23.6 19.6 29.4



#47
2-Nitroaniline
Concen: 7.190 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.24 min
Lab File: BF103972.D
Acq: 27 Mar 2018 16:25

Tgt Ion: 65 Resp: 1955
Ion Ratio Lower Upper
65 100
92 204.5 55.8 83.6#
138 44.3 91.2 136.8#

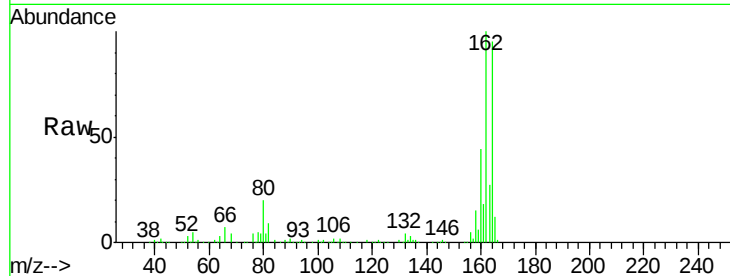




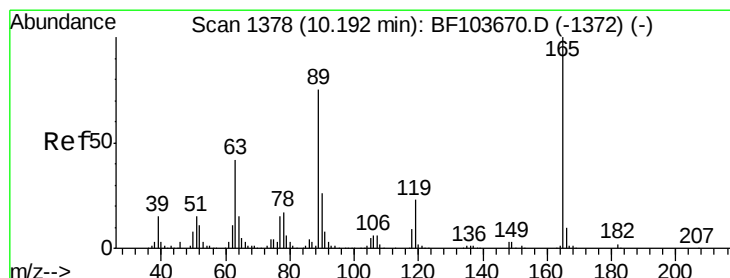
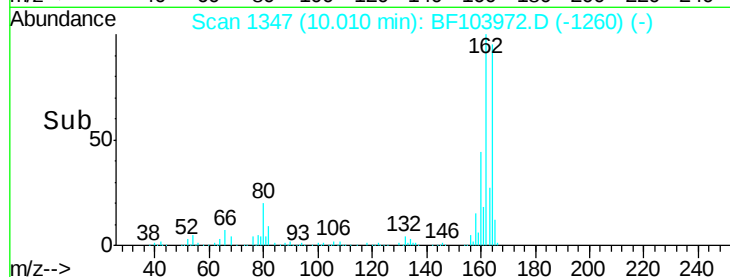
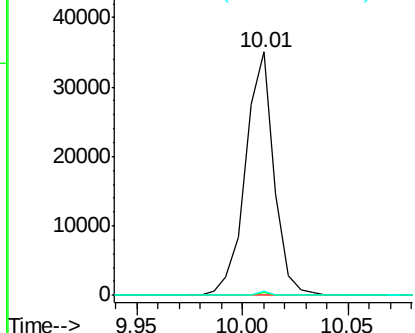
#50
2,6-Dinitrotoluene
Concen: 11.889 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.21 min
Lab File: BF103972.D
Acq: 27 Mar 2018 16:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 32790
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.6 44.0 66.0#

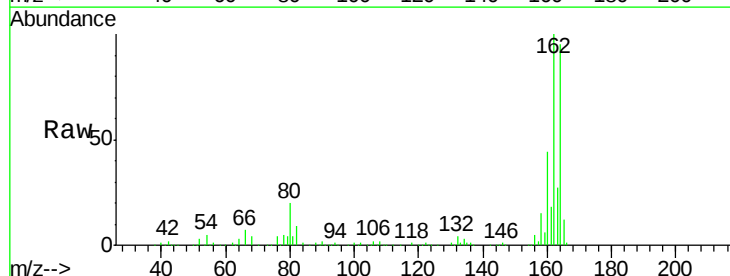


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

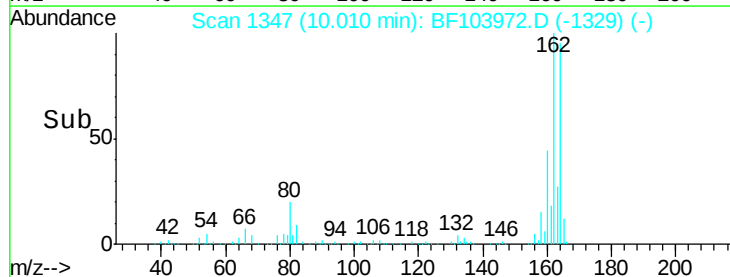
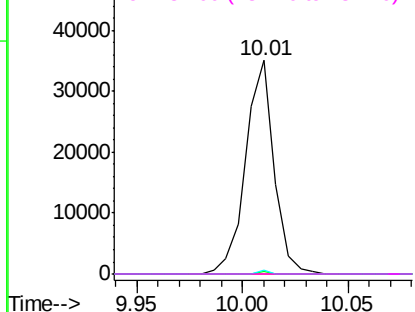


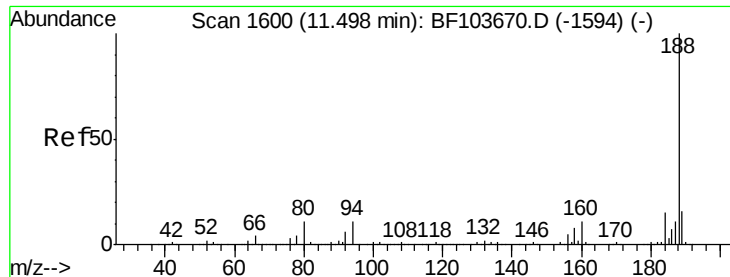
#56
2,4-Dinitrotoluene
Concen: 12.137 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.19 min
Lab File: BF103972.D
Acq: 27 Mar 2018 16:25

Tgt Ion:165 Resp: 32790
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.6 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

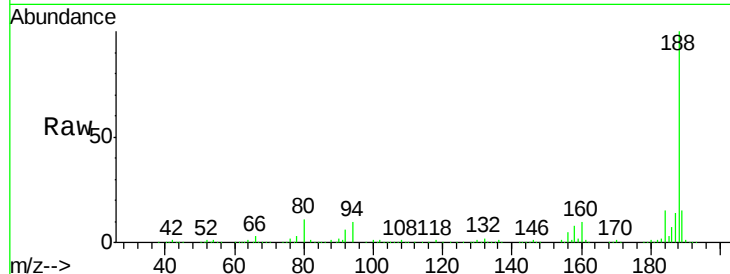




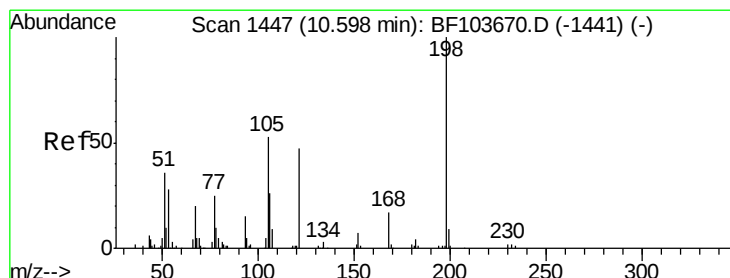
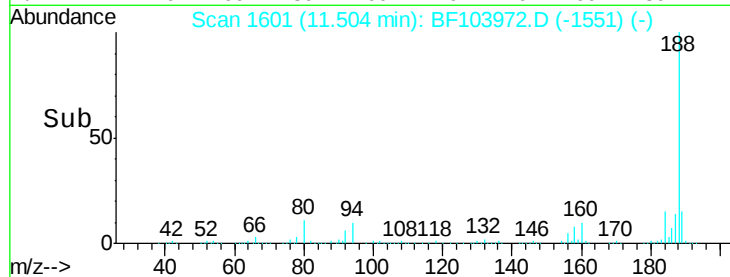
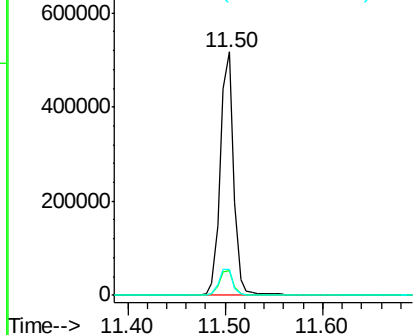
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103972.D
 Acq: 27 Mar 2018 16:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 494634
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.5 12.7
 80 10.6 9.2 13.8

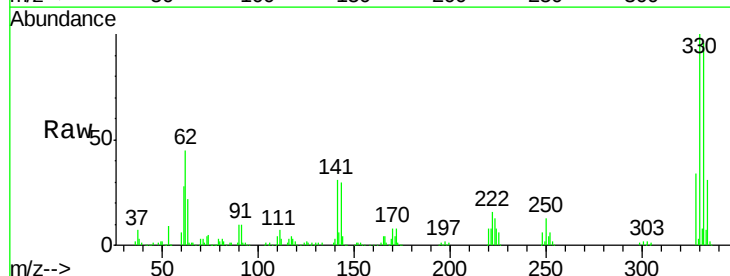


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

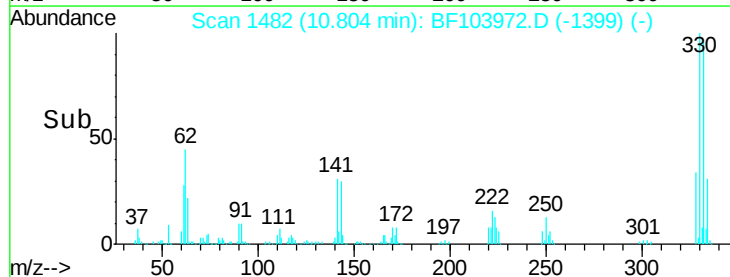
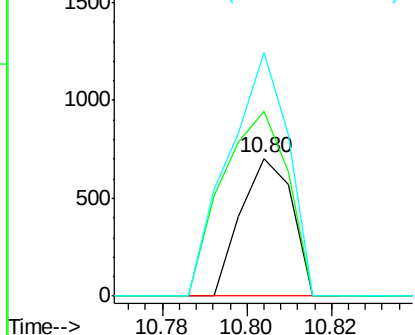


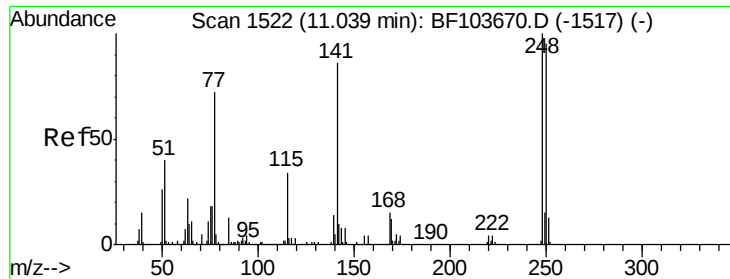
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.476 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.19 min
 Lab File: BF103972.D
 Acq: 27 Mar 2018 16:25

Tgt Ion:198 Resp: 593
 Ion Ratio Lower Upper
 198 100
 51 133.8 37.7 77.7#
 105 176.5 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

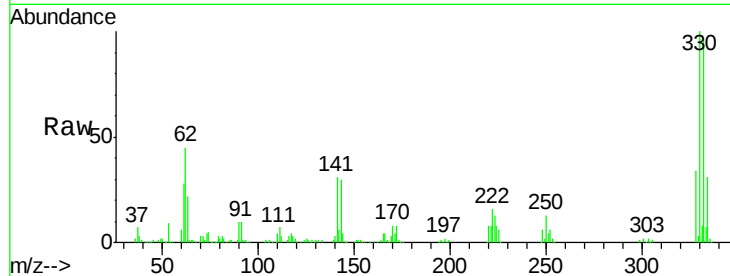




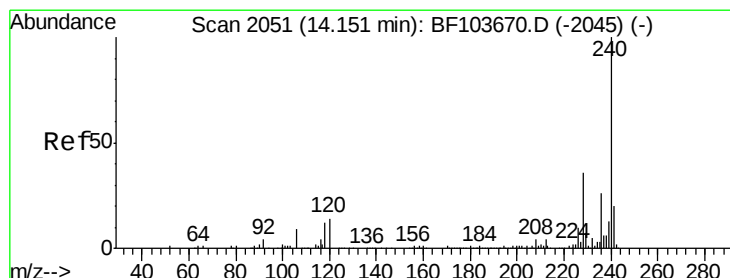
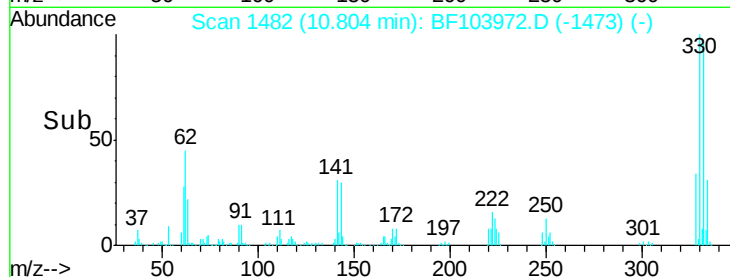
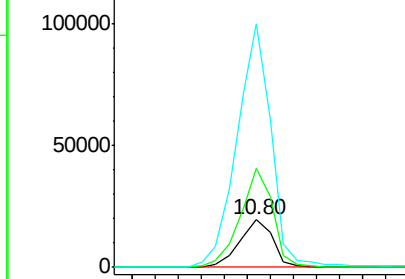
#66
4-Bromophenyl-phenylether
Concen: 3.873 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF103972.D
Acq: 27 Mar 2018 16:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 19671
Ion Ratio Lower Upper
248 100
250 209.8 76.9 115.3#
141 513.1 74.4 111.6#

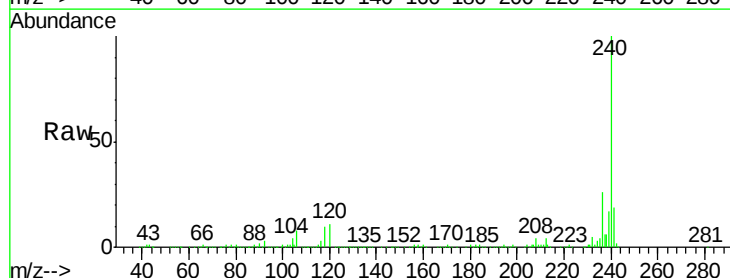


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

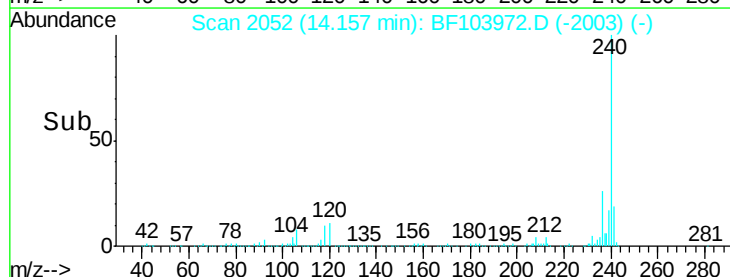
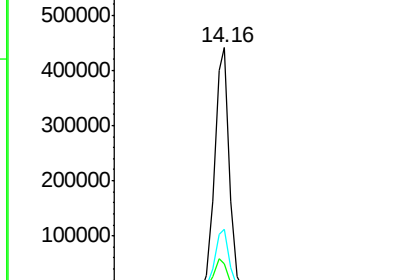


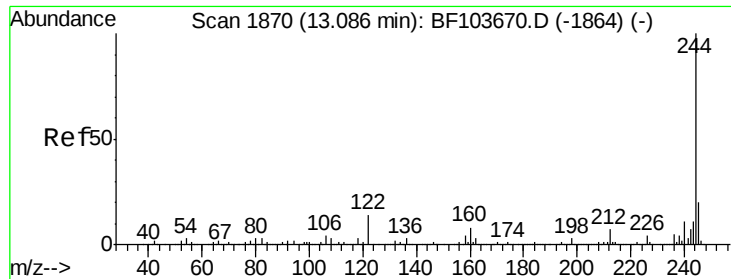
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF103972.D
Acq: 27 Mar 2018 16:25

Tgt Ion:240 Resp: 440733
Ion Ratio Lower Upper
240 100
120 11.4 9.5 14.3
236 25.6 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

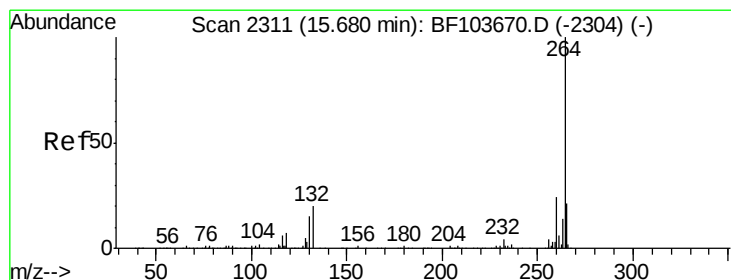
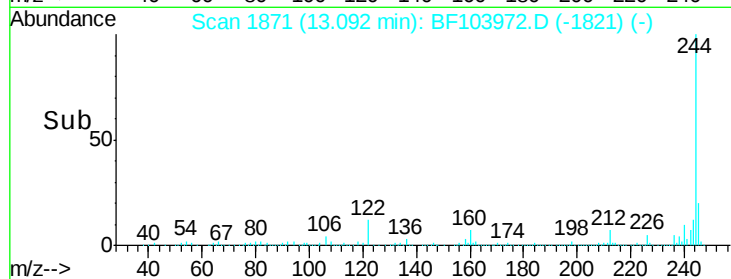
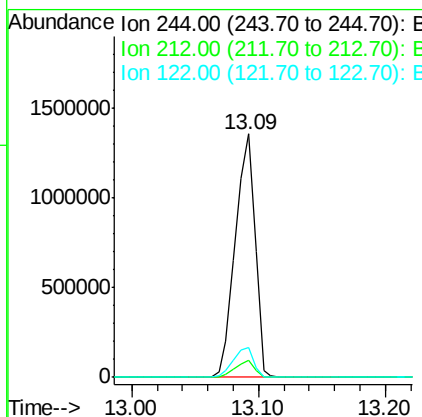
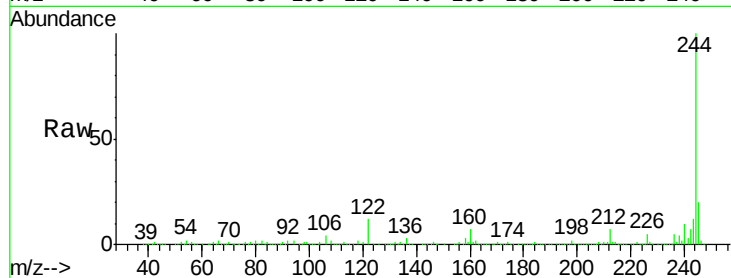




#78
 Terphenyl-d14
 Concen: 76.559 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BF103972.D
 Acq: 27 Mar 2018 16:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1453690
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.2 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. -0.01 min
 Lab File: BF103972.D
 Acq: 27 Mar 2018 16:25

Tgt Ion:264 Resp: 388759
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.4 17.5 26.3

