

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103823.D
 Acq On : 21 Mar 2018 00:33
 Operator : JU/SJ
 Sample : J1975-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 06:55:15 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	152512	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	662276	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	268188	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	408172	20.00	ng	0.00
75) Chrysene-d12	14.16	240	281931	20.00	ng	0.00
86) Perylene-d12	15.69	264	250033	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1227576	122.43	ng	0.02
7) Phenol-d6	6.60	99	1512563	123.30	ng	0.01
23) Nitrobenzene-d5	7.54	82	960693	101.16	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	305835	132.63	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1574208	93.63	ng	0.00
78) Terphenyl-d14	13.10	244	1187131	97.74	ng	0.01

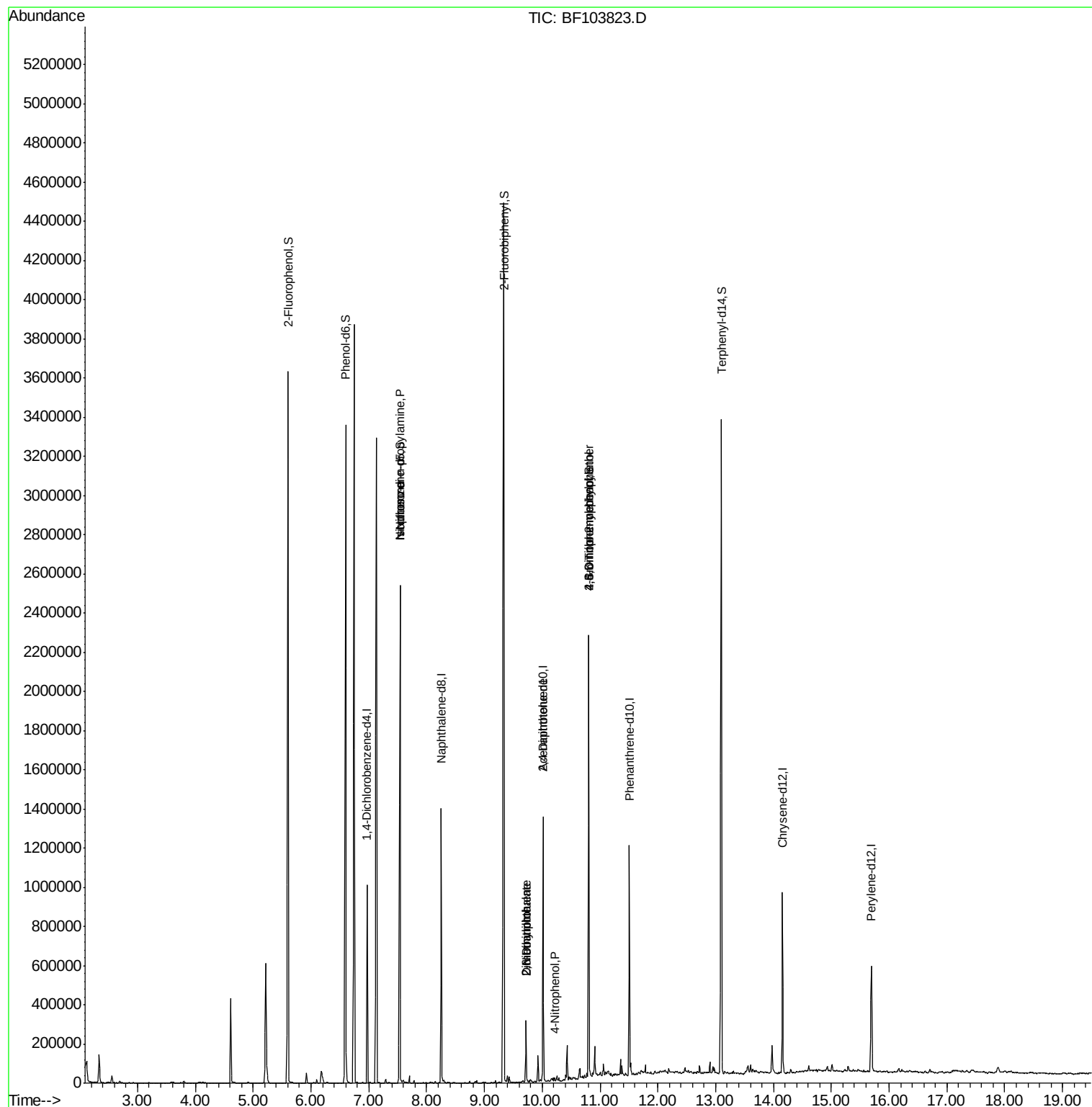
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.54	70	126034	16.031	ng	# 71
25) Isophorone	7.54	82	960762	43.701	ng	# 64
47) 2-Nitroaniline	9.72	65	810	6.964	ng	# 1
49) Dimethylphthalate	9.72	163	104813	5.122	ng	100
50) 2,6-Dinitrotoluene	9.72	165	1079	4.234	ng	# 1
55) 4-Nitrophenol	10.22	139	218	5.024	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	33881	12.095	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	651	8.594	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	18050	4.307	ng	# 1

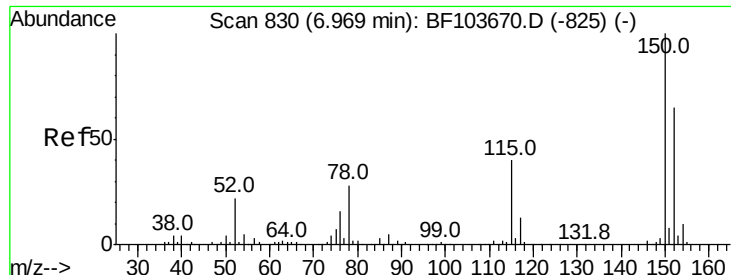
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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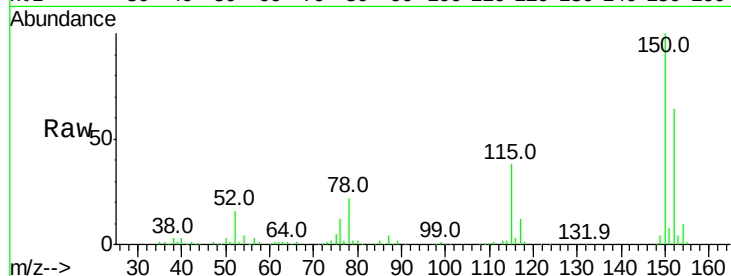


#1

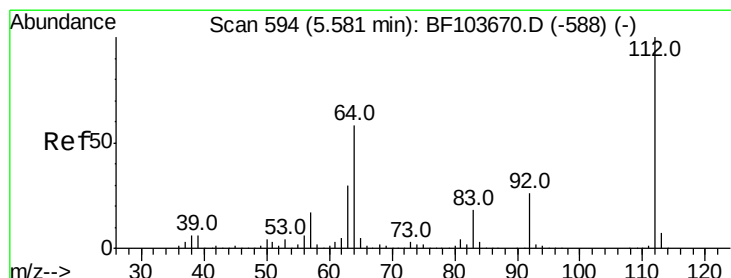
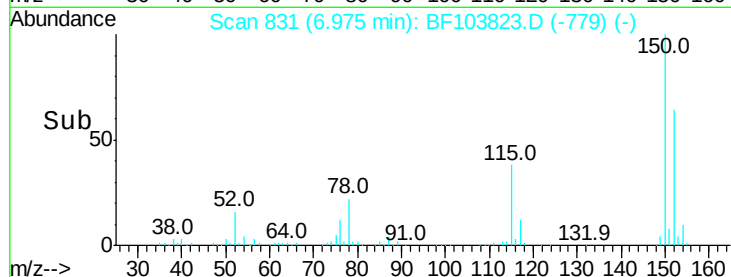
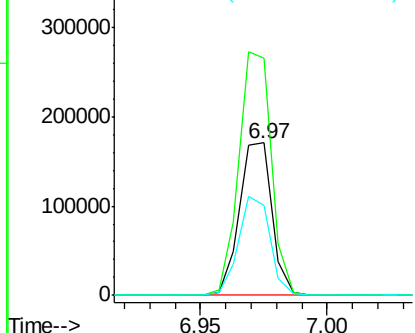
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103823.D
Acq: 21 Mar 2018 00:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 152512
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 58.9 50.1 75.1



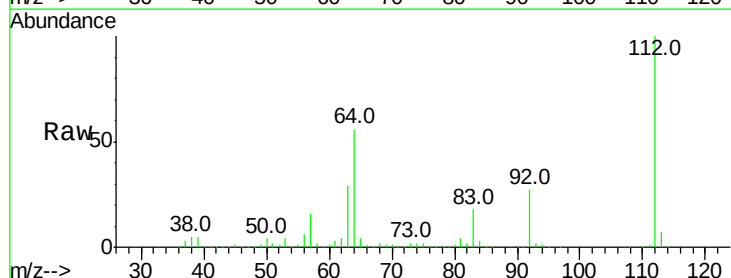
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



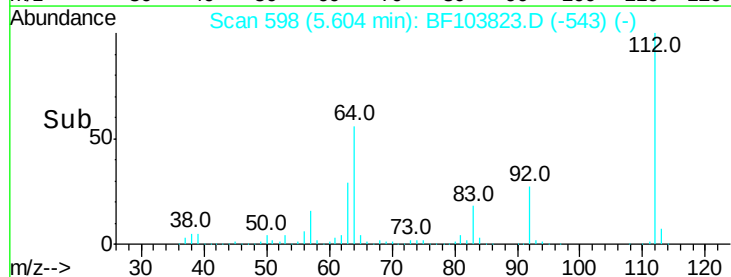
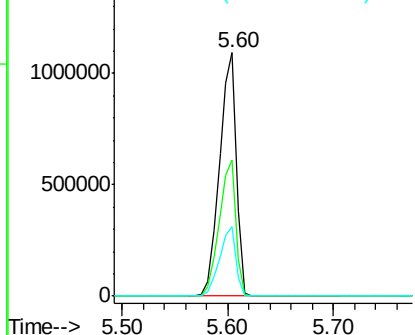
#5

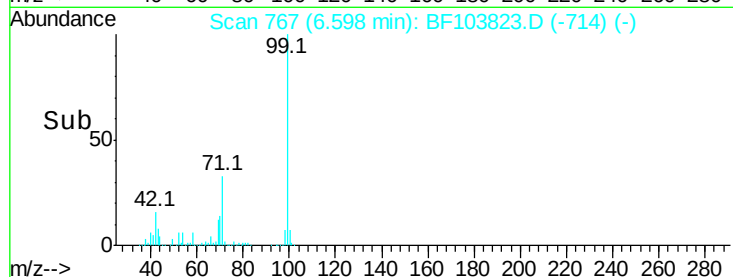
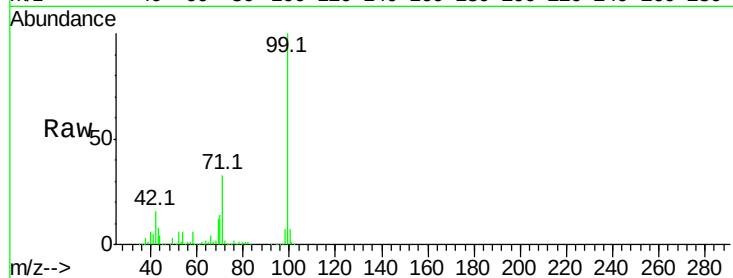
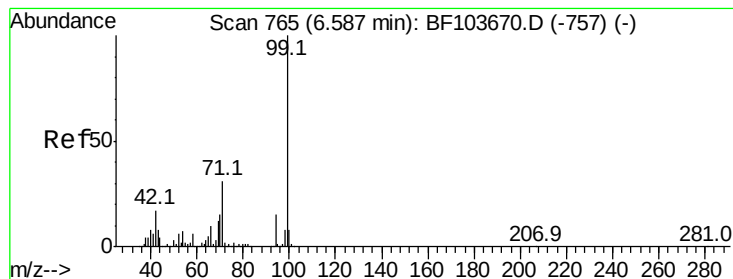
2-Fluorophenol
Concen: 122.426 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103823.D
Acq: 21 Mar 2018 00:33

Tgt Ion:112 Resp: 1227576
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 28.6 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: 123.299 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103823.D

Acq: 21 Mar 2018 00:33

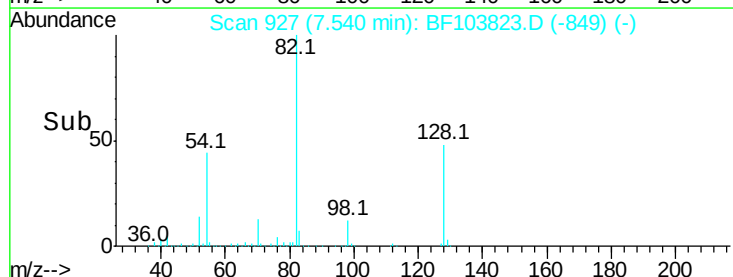
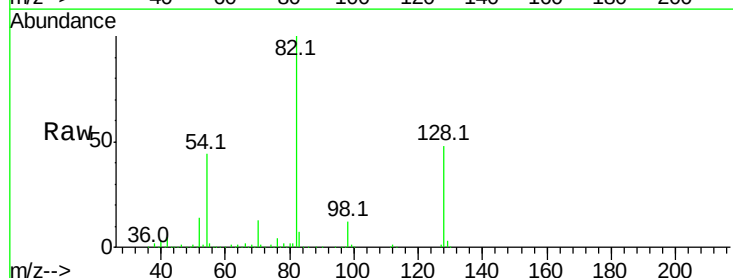
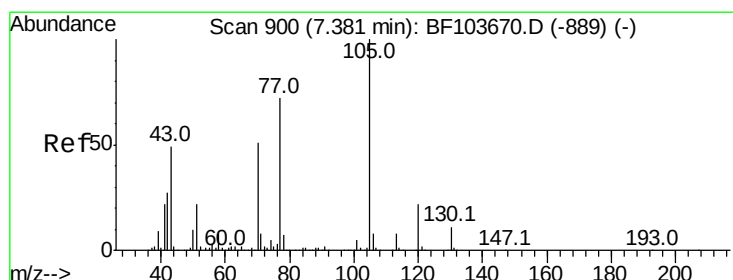
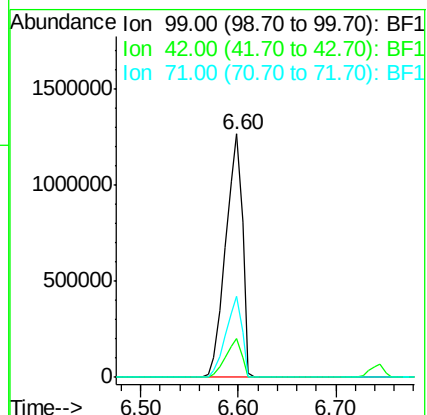
Tot Ion: 99 Resp: 1512563

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 33.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.031 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.16 min

Lab File: BF103823.D

Acq: 21 Mar 2018 00:33

Tgt Ion: 70 Resp: 126034

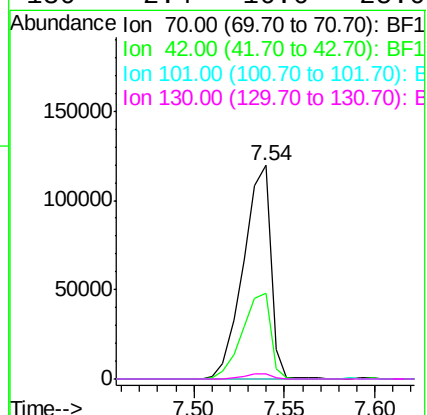
Ion Ratio Lower Upper

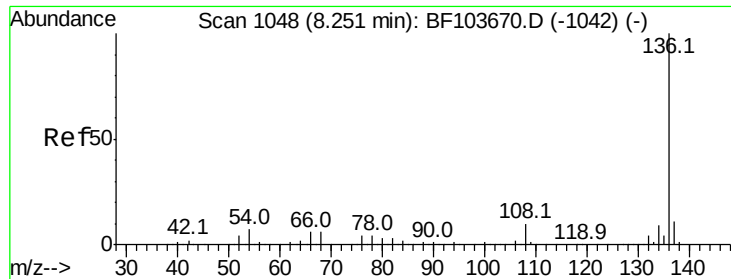
70 100

42 40.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

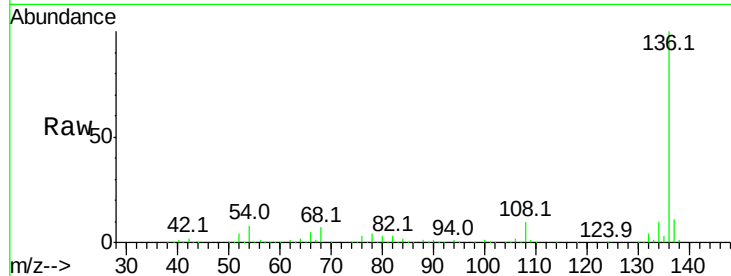




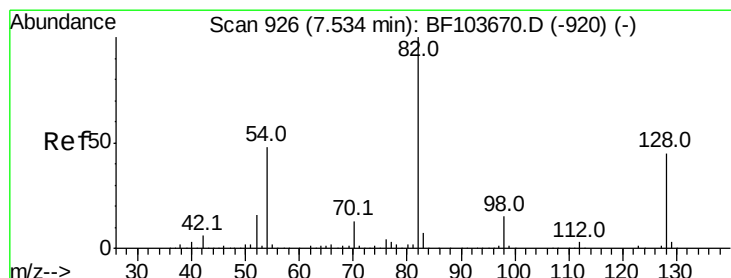
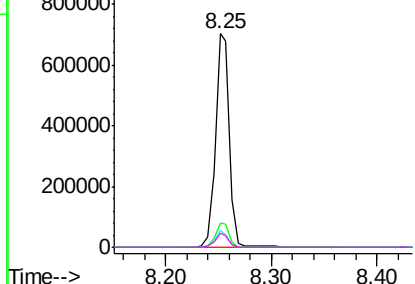
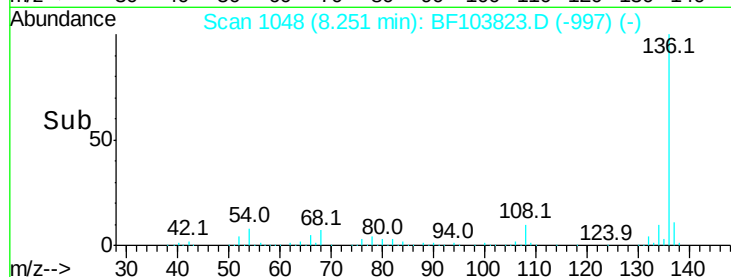
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF103823.D
Acq: 21 Mar 2018 00:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 662276
Ion Ratio	Lower Upper
136 100	
137 11.4	8.9 13.3
54 7.7	6.6 9.8
68 6.8	5.0 7.4

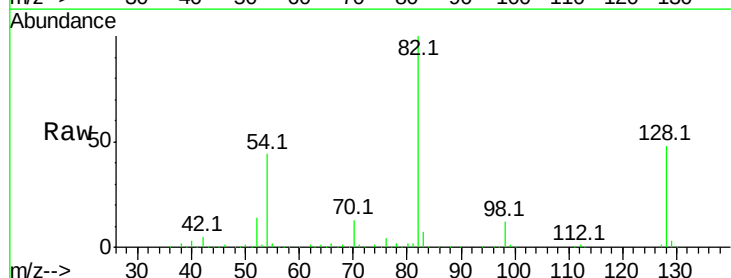


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

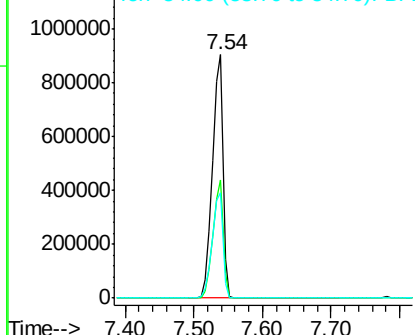
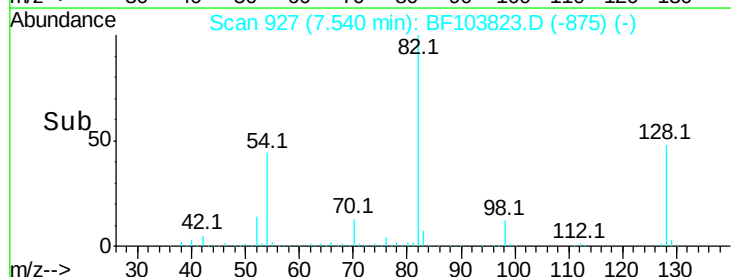


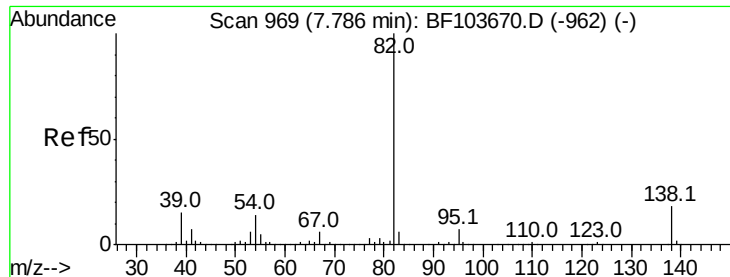
#23
Nitrobenzene-d5
Concen: 101.158 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF103823.D
Acq: 21 Mar 2018 00:33

Tgt Ion: 82	Resp: 960693
Ion Ratio	Lower Upper
82 100	
128 48.4	36.1 54.1
54 43.5	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: 43.701 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103823.D

Acq: 21 Mar 2018 00:33

Instrument :

BNA_F

ClientSampleId :

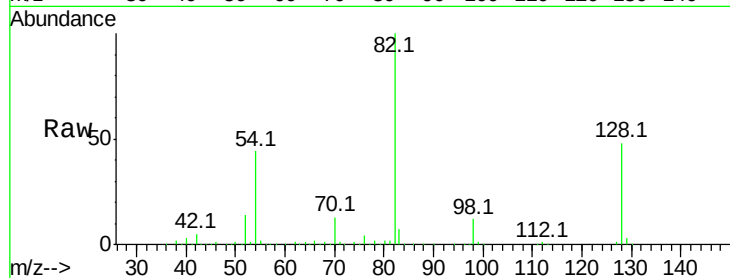
Tot Ion: 82 Resp: 960762

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

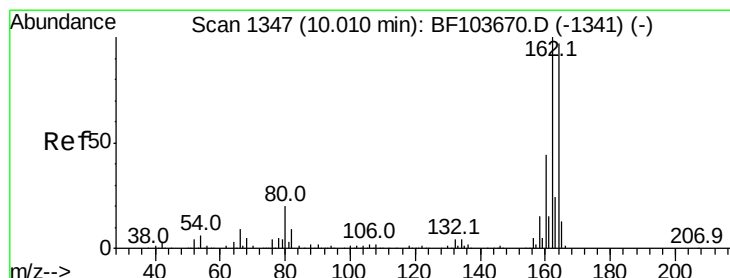
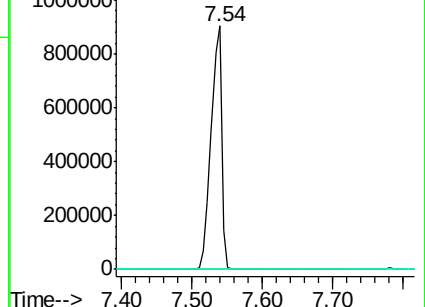
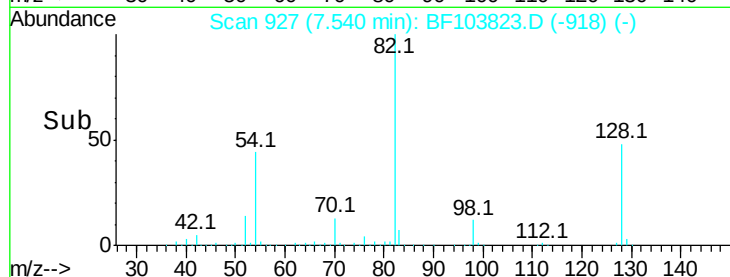
138 0.0 14.9 22.3#



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: 10.02 min Scan# 1348

Delta R.T. 0.01 min

Lab File: BF103823.D

Acq: 21 Mar 2018 00:33

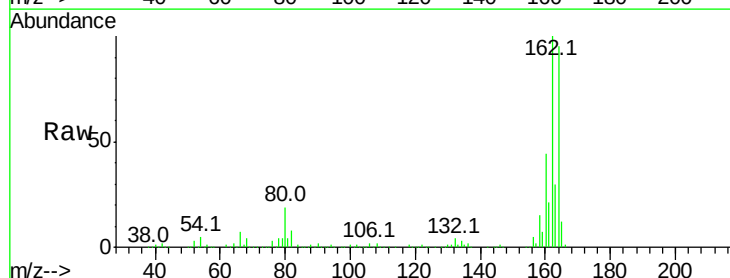
Tgt Ion:164 Resp: 268188

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

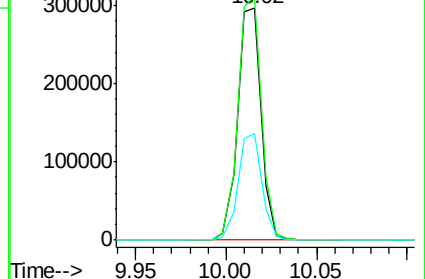
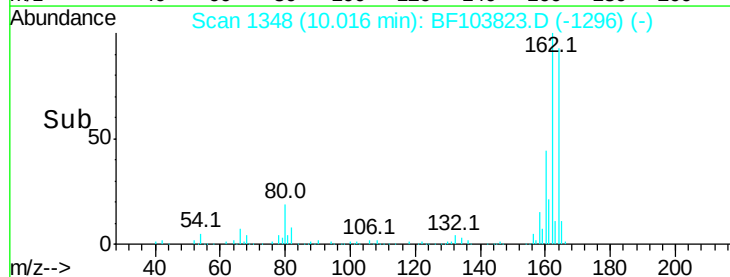
160 46.2 38.3 57.5

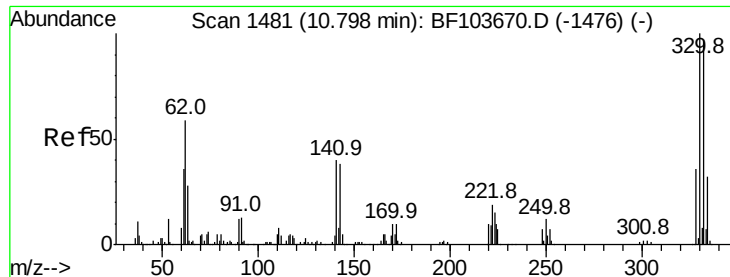


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

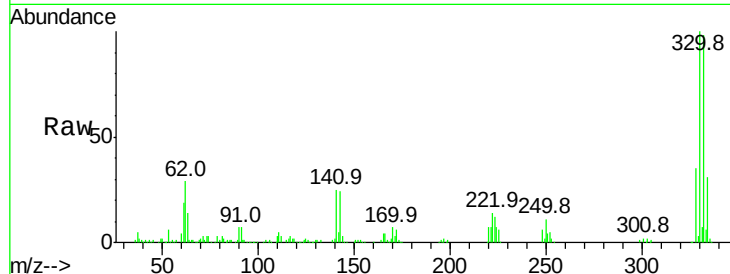




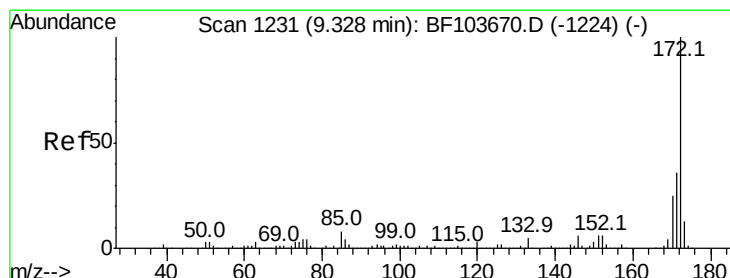
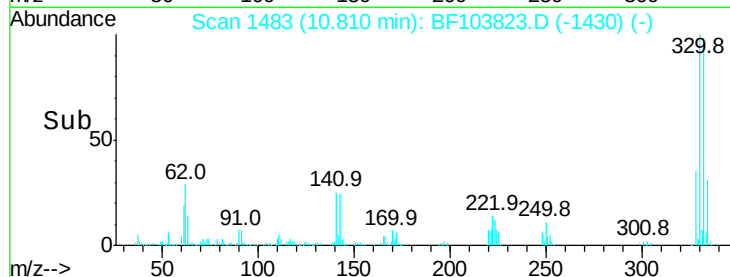
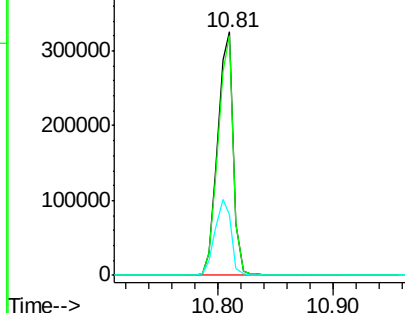
#41
 2,4,6-Tribromophenol
 Concen: 132.632 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.01 min
 Lab File: BF103823.D
 Acq: 21 Mar 2018 00:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	32.6	29.9	44.9

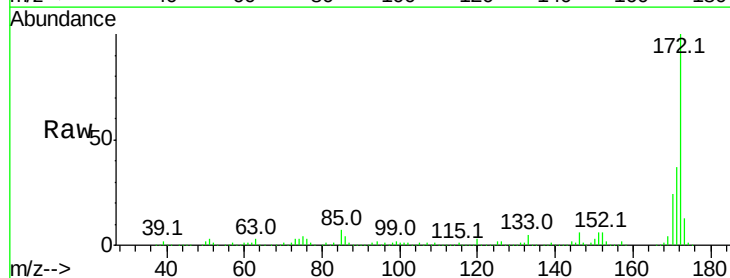


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

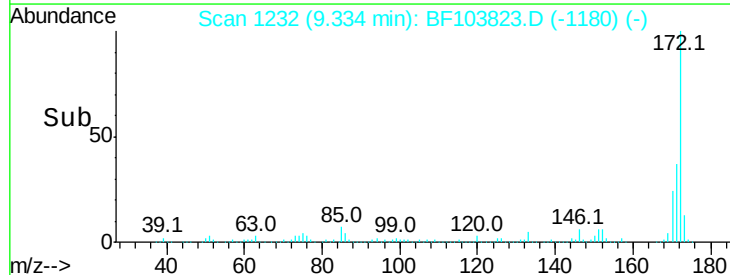
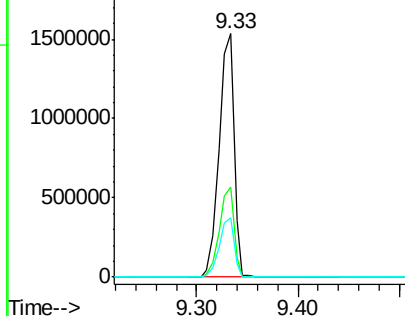


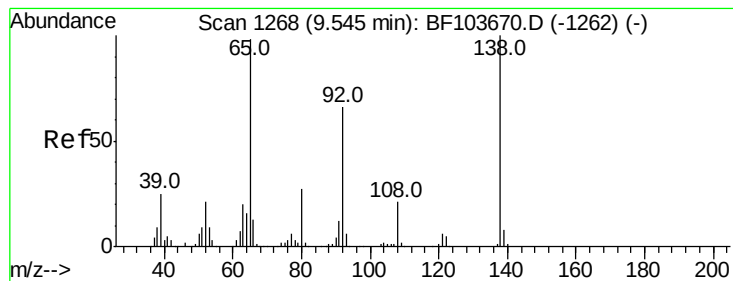
#44
 2-Fluorobiphenyl
 Concen: 93.632 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: BF103823.D
 Acq: 21 Mar 2018 00:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	24.5	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: 6.964 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.17 min

Lab File: BF103823.D

Acq: 21 Mar 2018 00:33

Instrument :

BNA_F

ClientSampleId :

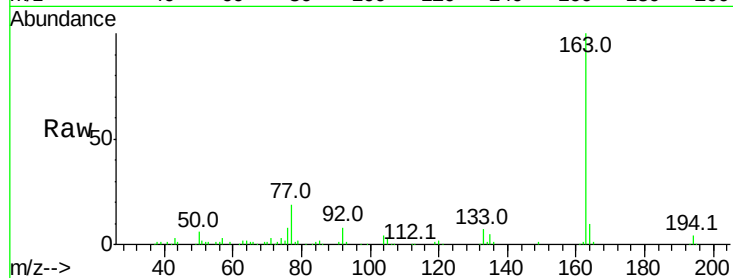
Tot Ion: 65 Resp: 810

Ion Ratio Lower Upper

65 100

92 1079.5 55.8 83.6#

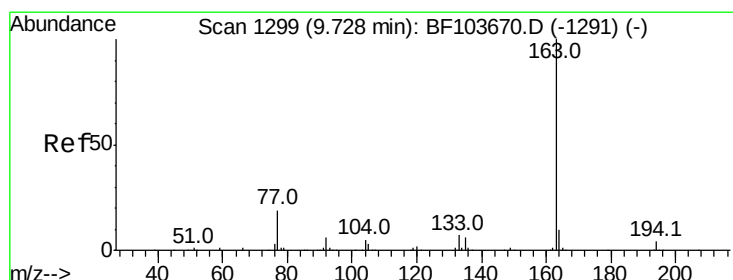
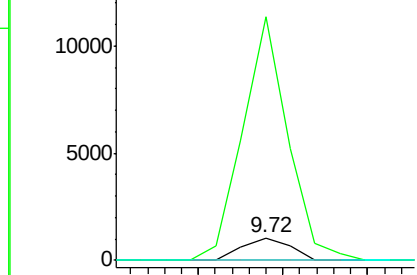
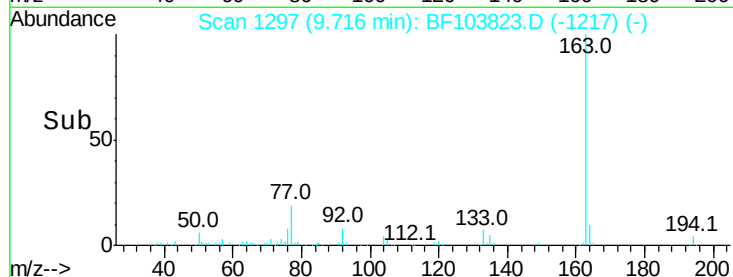
138 0.0 91.2 136.8#



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: 5.122 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103823.D

Acq: 21 Mar 2018 00:33

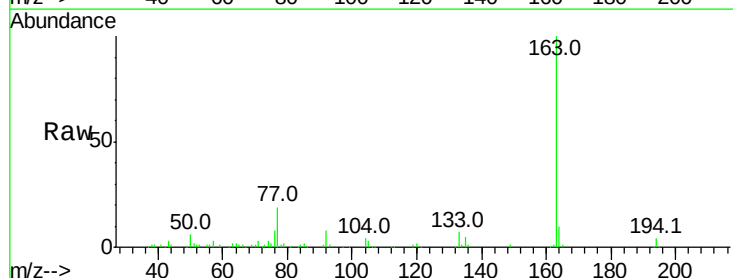
Tgt Ion:163 Resp: 104813

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

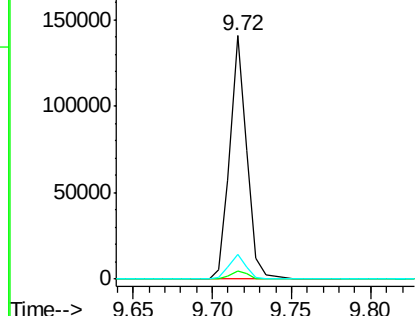
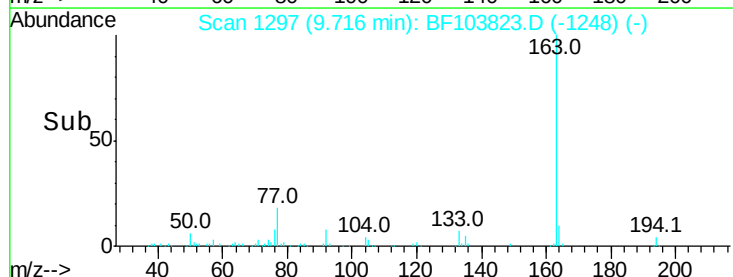
164 10.4 8.2 12.2

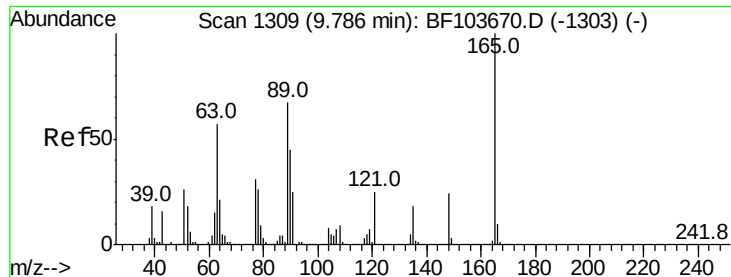


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

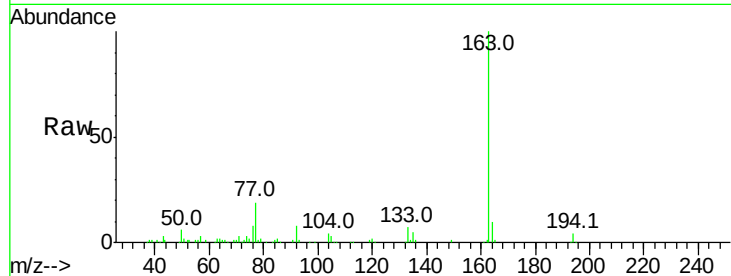




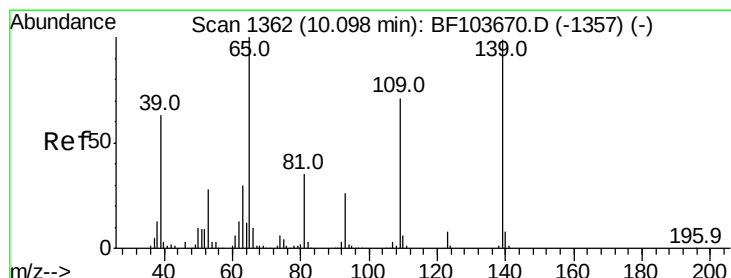
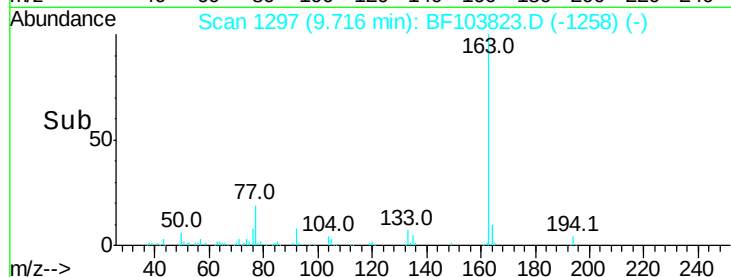
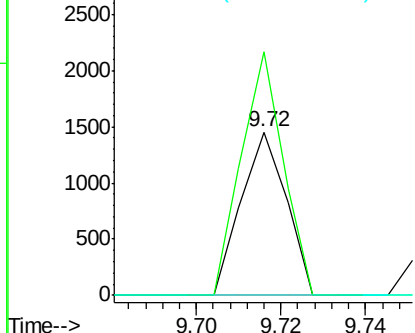
#50
 2,6-Dinitrotoluene
 Concen: 4.234 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.07 min
 Lab File: BF103823.D
 Acq: 21 Mar 2018 00:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 1079
 Ion Ratio Lower Upper
 165 100
 63 149.0 44.7 67.1#
 89 0.0 44.0 66.0#

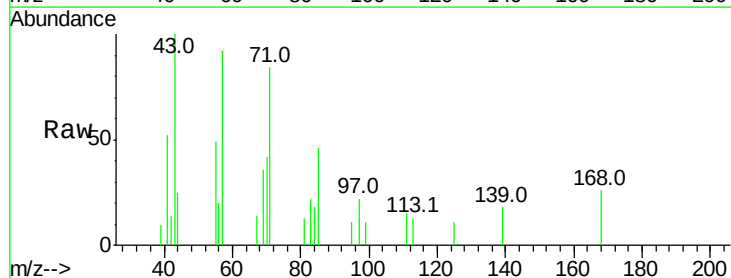


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

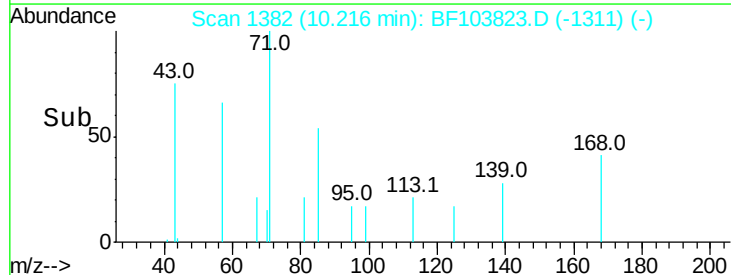
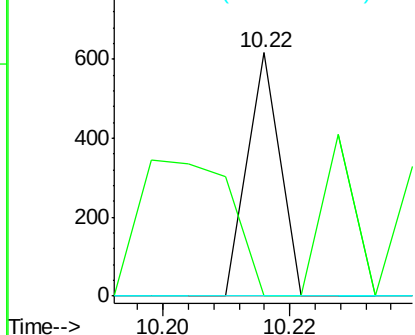


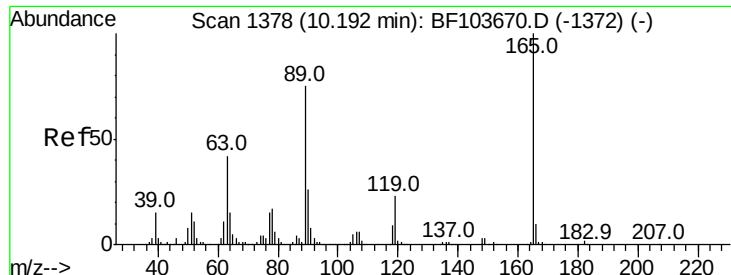
#55
 4-Nitrophenol
 Concen: 5.024 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.12 min
 Lab File: BF103823.D
 Acq: 21 Mar 2018 00:33

Tgt Ion:139 Resp: 218
 Ion Ratio Lower Upper
 139 100
 109 0.0 48.4 88.4#
 65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

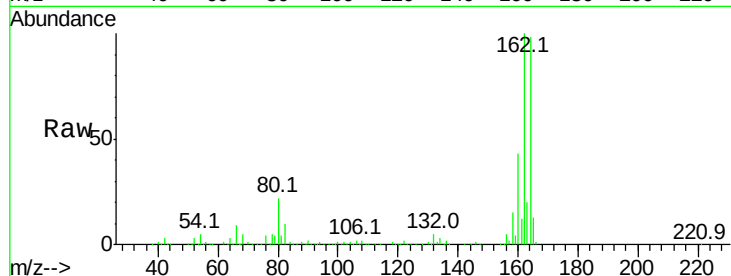




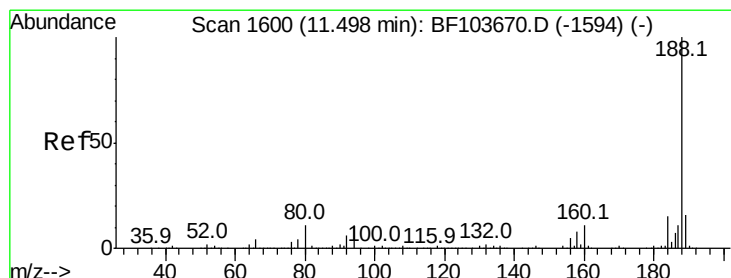
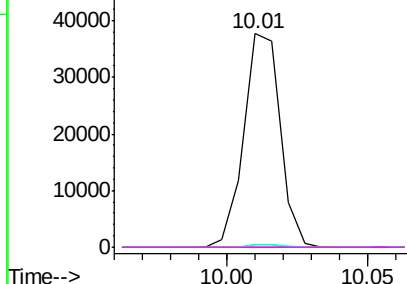
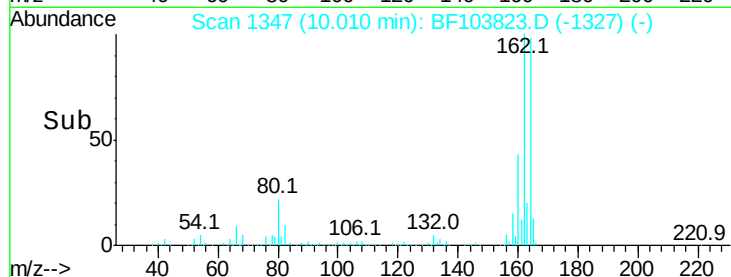
#56
 2,4-Dinitrotoluene
 Concen: 12.095 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.18 min
 Lab File: BF103823.D
 Acq: 21 Mar 2018 00:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 33881
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#

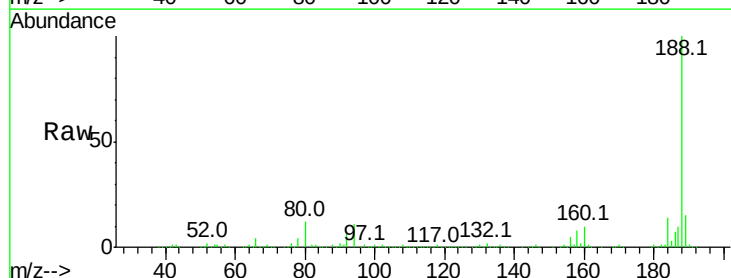


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

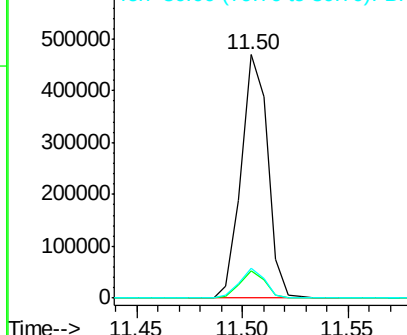
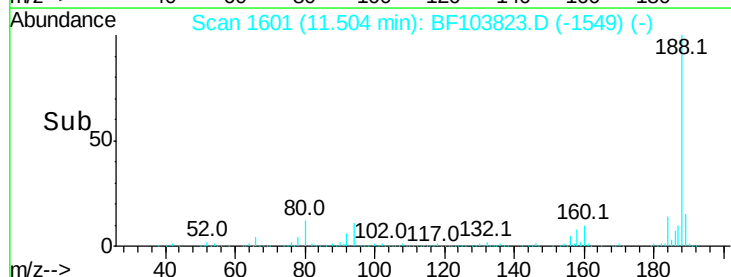


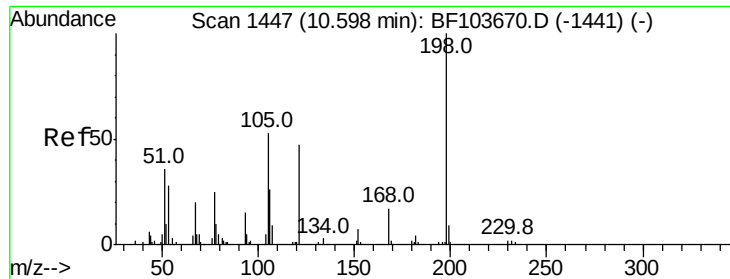
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103823.D
 Acq: 21 Mar 2018 00:33

Tgt Ion:188 Resp: 408172
 Ion Ratio Lower Upper
 188 100
 94 11.3 8.5 12.7
 80 12.1 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: 8.594 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.21 min

Lab File: BF103823.D

Acq: 21 Mar 2018 00:33

Instrument :

BNA_F

ClientSampled :

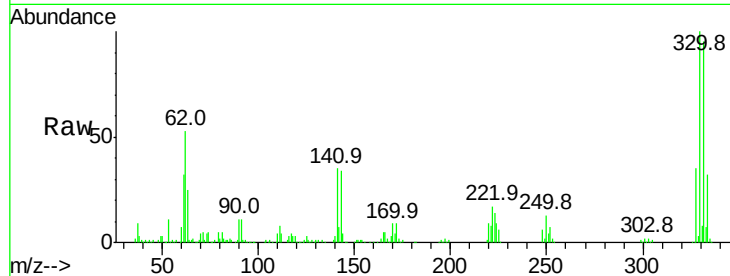
Tot Ion:198 Resp: 651

Ion Ratio Lower Upper

198 100

51 155.8 37.7 77.7#

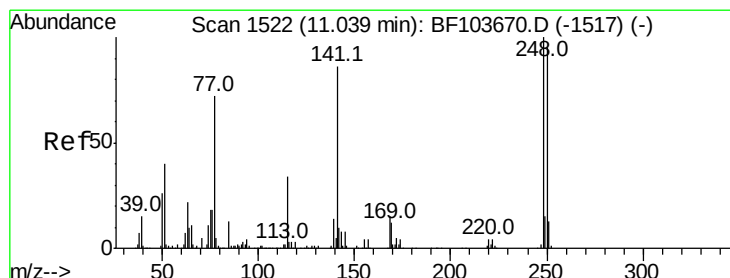
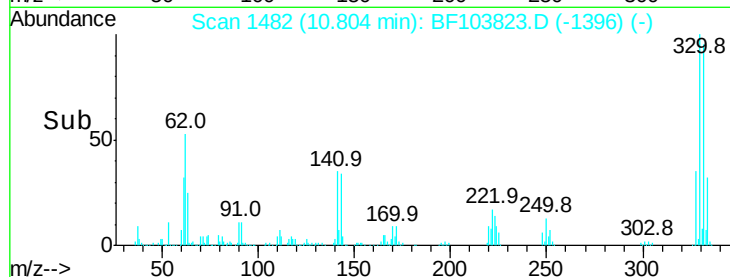
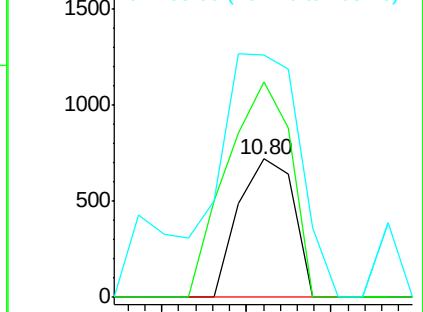
105 174.9 36.3 76.3#



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: 4.307 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.24 min

Lab File: BF103823.D

Acq: 21 Mar 2018 00:33

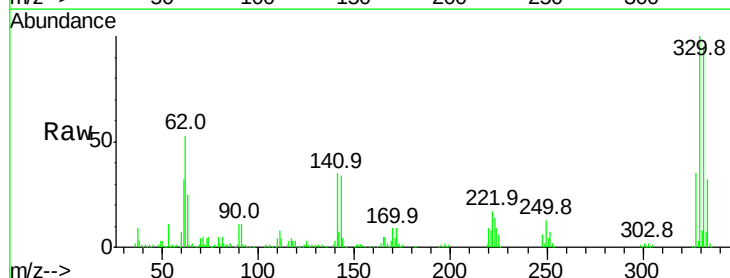
Tgt Ion:248 Resp: 18050

Ion Ratio Lower Upper

248 100

250 199.7 76.9 115.3#

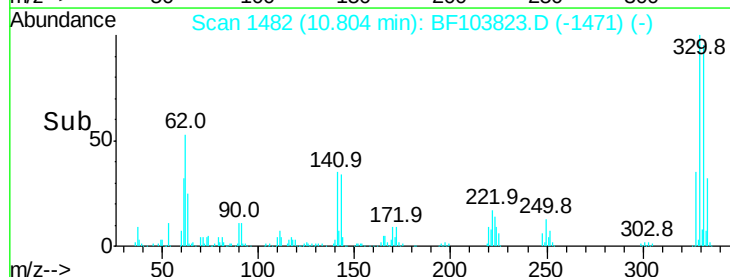
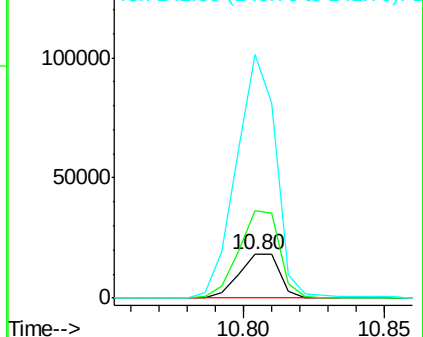
141 556.0 74.4 111.6#

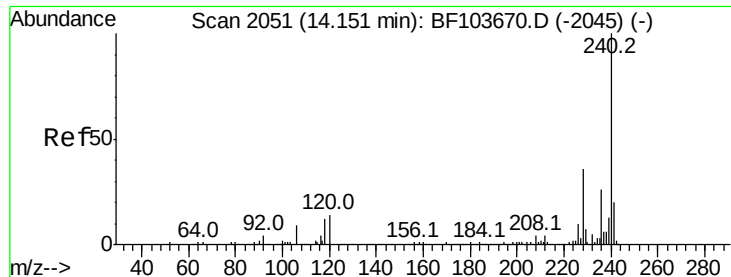


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF103823.D

Acq: 21 Mar 2018 00:33

Instrument :

BNA_F

ClientSampleId :

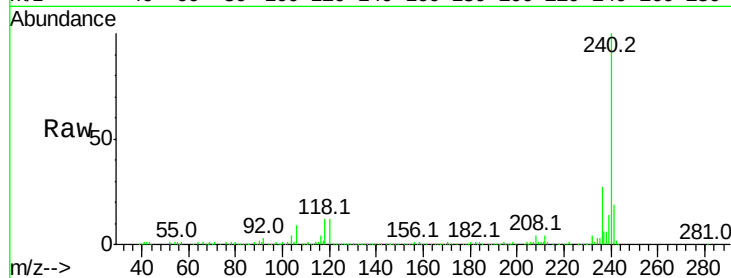
Tot Ion:240 Resp: 281931

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

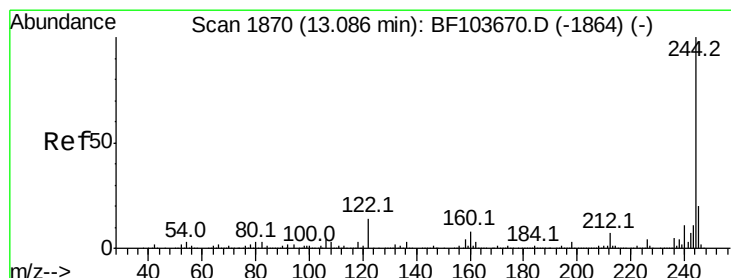
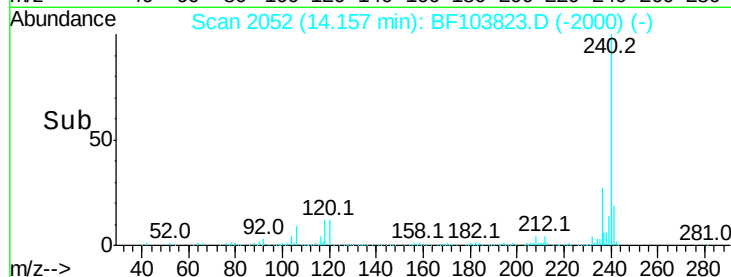
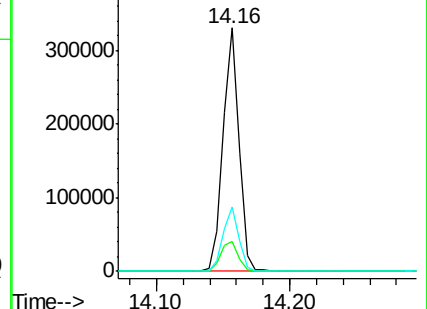
236 26.7 20.7 31.1



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: 97.737 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF103823.D

Acq: 21 Mar 2018 00:33

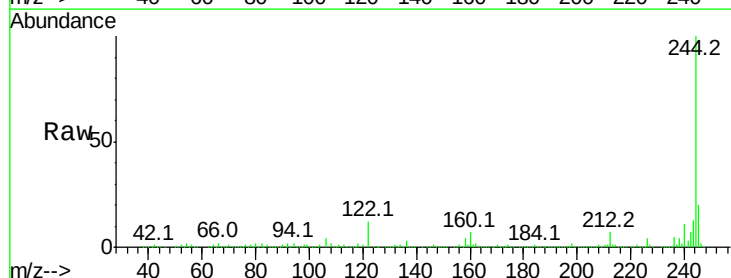
Tgt Ion:244 Resp: 1187131

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

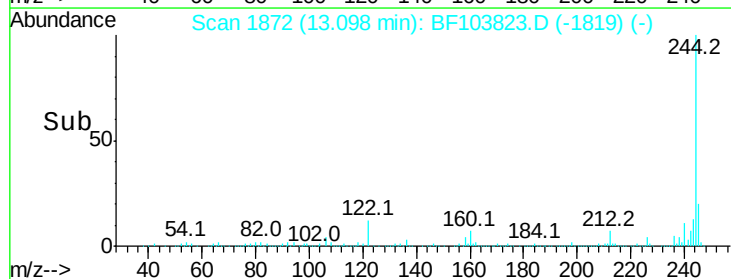
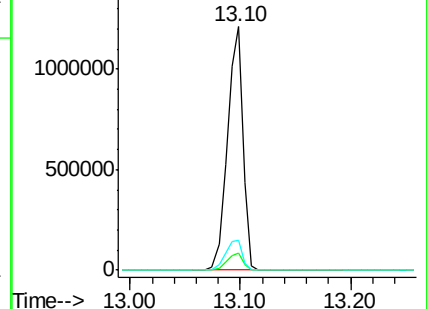
122 12.2 11.0 16.4

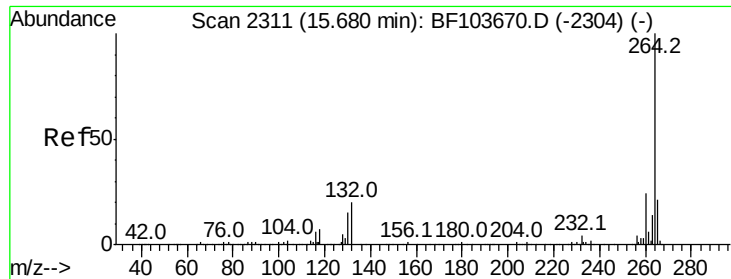


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

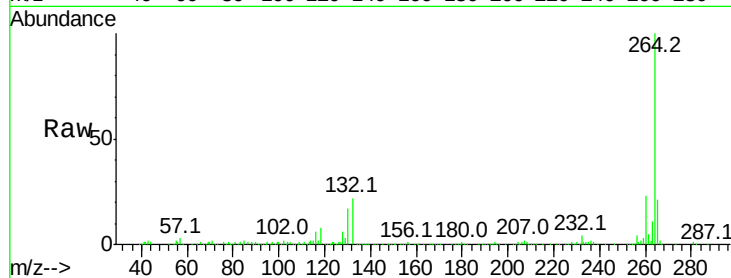




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: BF103823.D
 Acq: 21 Mar 2018 00:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	250033
Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.4	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

