

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103907.D
 Acq On : 24 Mar 2018 3:59
 Operator : JU/SJ
 Sample : J2014-05
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 05:15:17 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	122752	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	459276	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	178444	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	279245	20.00	ng	0.00
75) Chrysene-d12	14.16	240	250835	20.00	ng	0.00
86) Perylene-d12	15.70	264	180688	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	334105	41.40	ng	0.00
7) Phenol-d6	6.59	99	270750	27.42	ng	-0.01
23) Nitrobenzene-d5	7.54	82	703525	106.82	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	149878	97.69	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1207009	107.90	ng	0.00
78) Terphenyl-d14	13.10	244	963620	89.17	ng	0.00

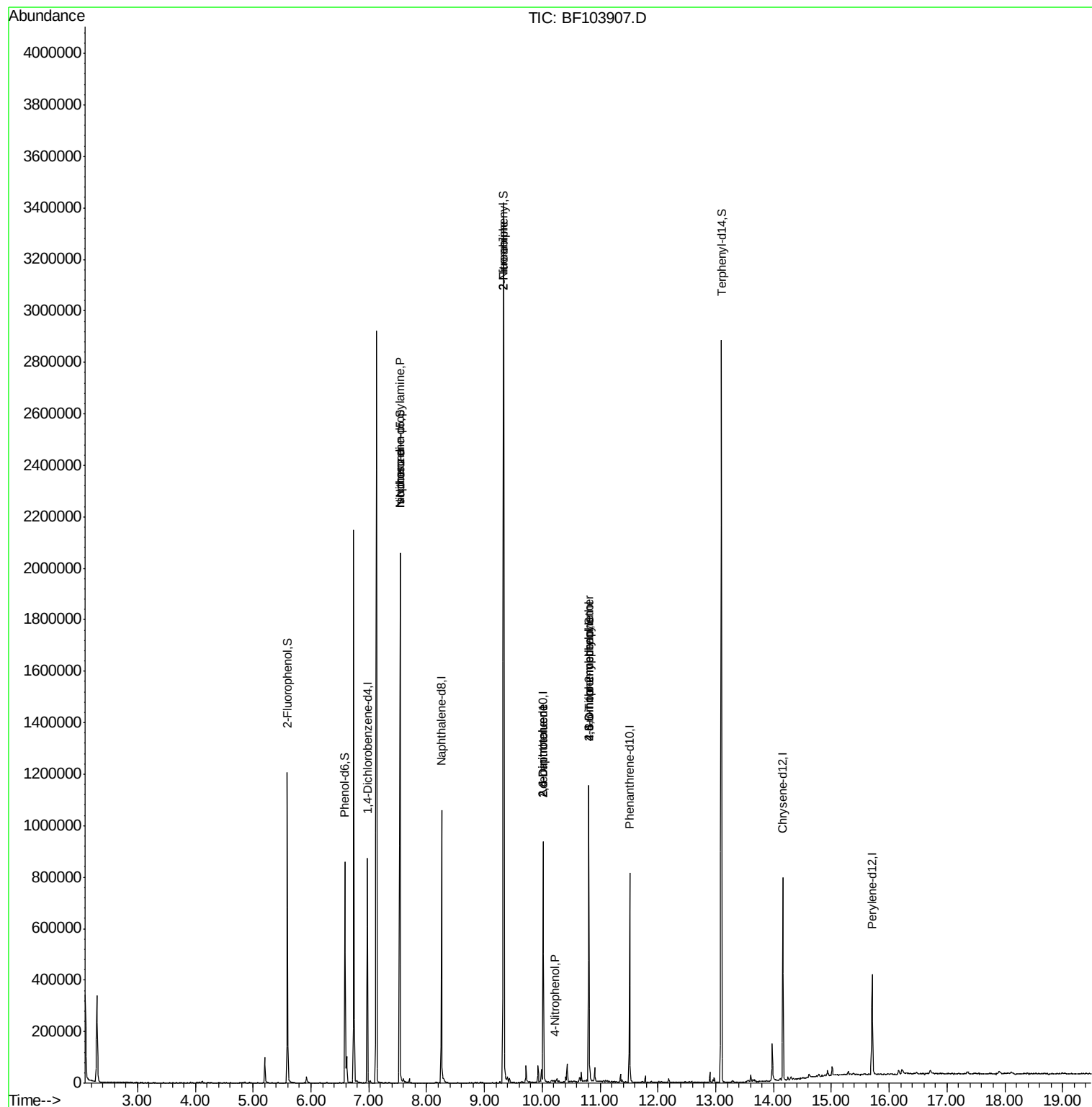
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.54	70	92608	14.635	ng	# 72
25) Isophorone	7.54	82	703514	46.144	ng	# 64
47) 2-Nitroaniline	9.33	65	1611	7.261	ng	# 1
50) 2,6-Dinitrotoluene	10.02	165	22288	11.744	ng	# 26
55) 4-Nitrophenol	10.22	139	114	5.013	ng	# 9
56) 2,4-Dinitrotoluene	10.02	165	22288	12.029	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	132	8.257	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	9486	3.309	ng	# 1

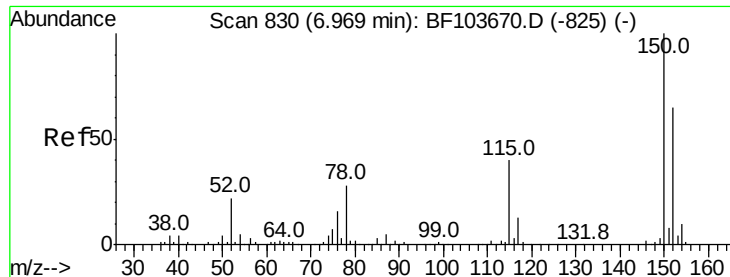
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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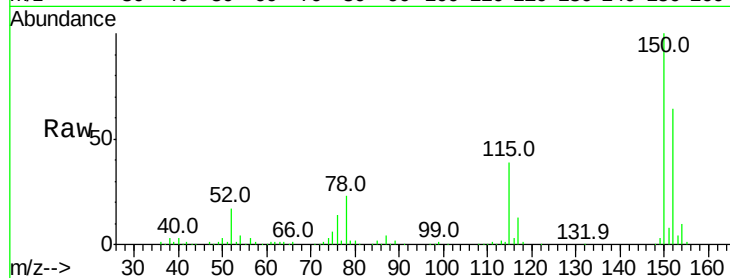


#1

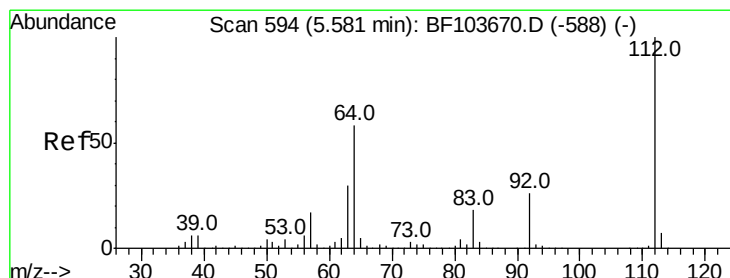
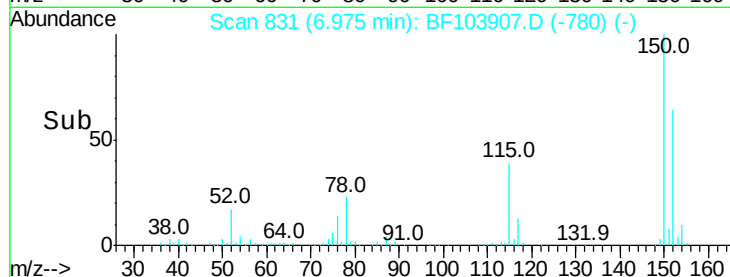
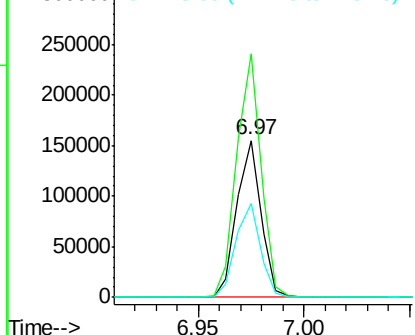
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103907.D
Acq: 24 Mar 2018 3:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122752
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 60.2 50.1 75.1



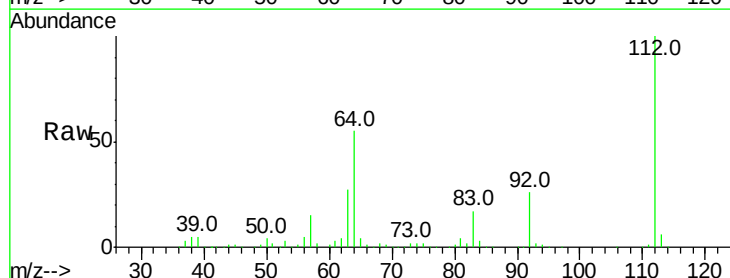
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



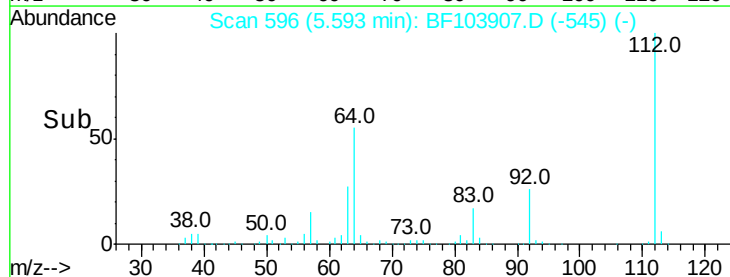
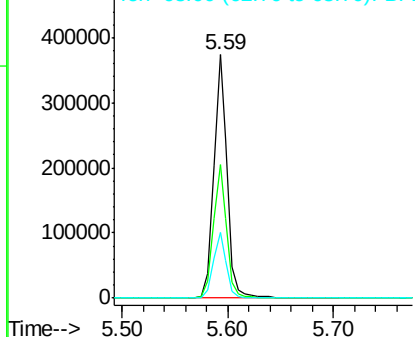
#5

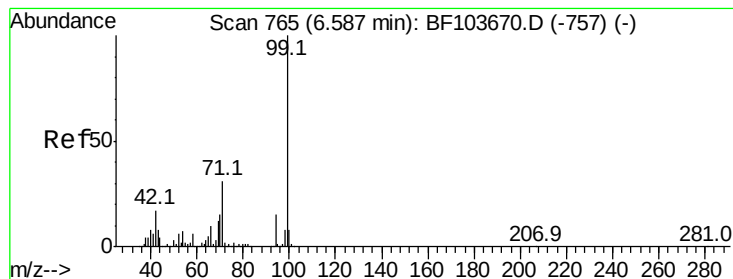
2-Fluorophenol
Concen: 41.398 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF103907.D
Acq: 24 Mar 2018 3:59

Tgt Ion:112 Resp: 334105
Ion Ratio Lower Upper
112 100
64 55.0 47.9 71.9
63 27.1 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: 27.421 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103907.D

Acq: 24 Mar 2018 3:59

Instrument :

BNA_F

ClientSampleId :

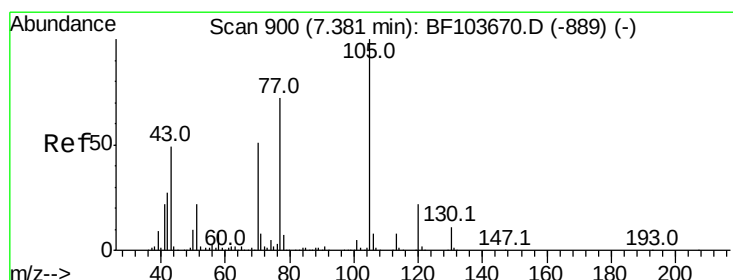
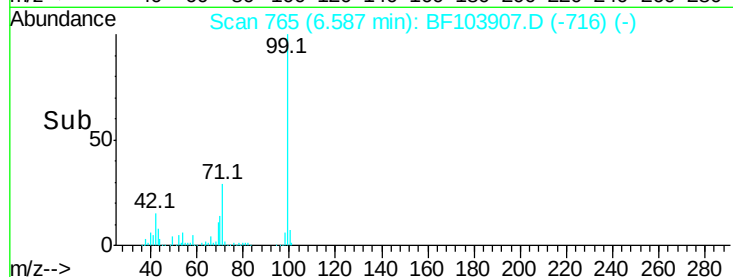
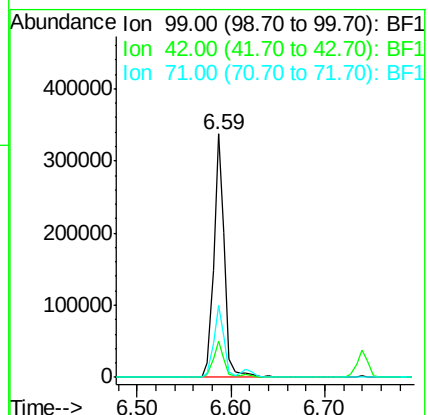
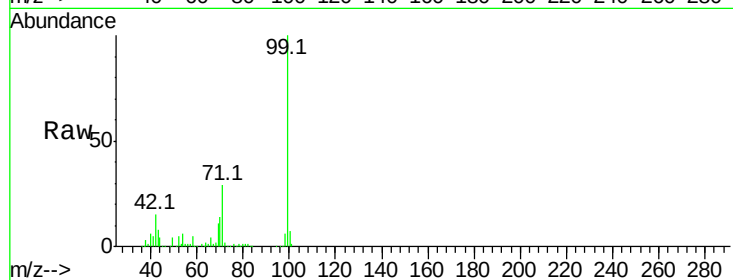
Tot Ion: 99 Resp: 270750

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

71 29.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.635 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF103907.D

Acq: 24 Mar 2018 3:59

Tgt Ion: 70 Resp: 92608

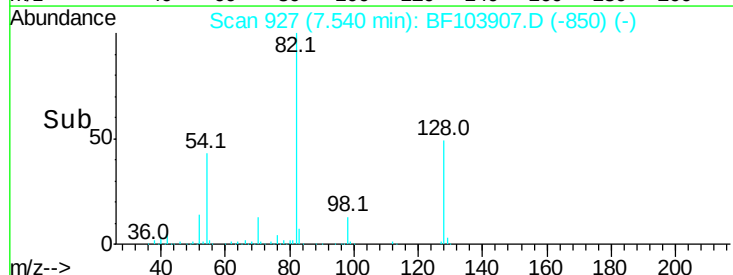
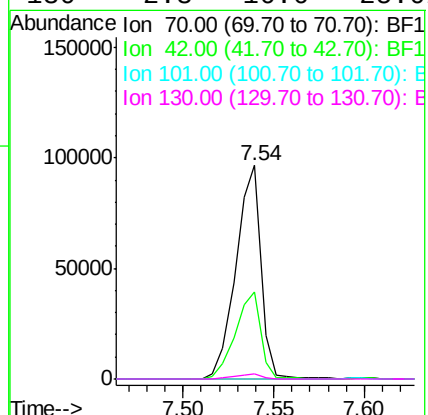
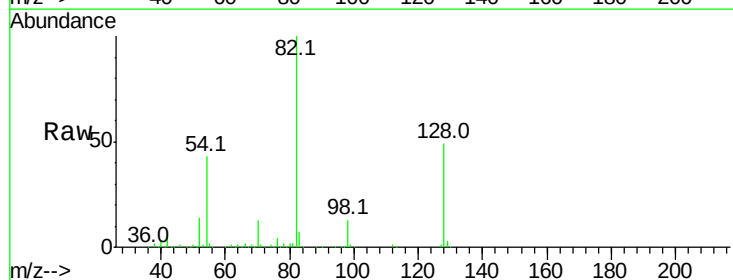
Ion Ratio Lower Upper

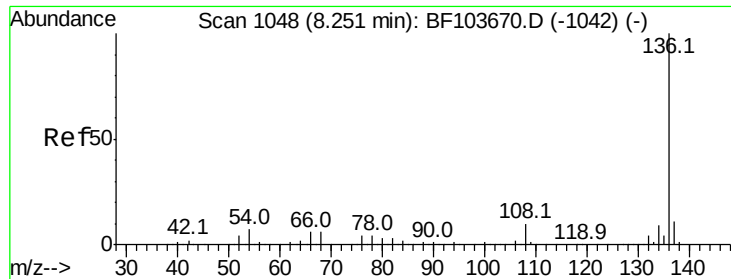
70 100

42 40.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

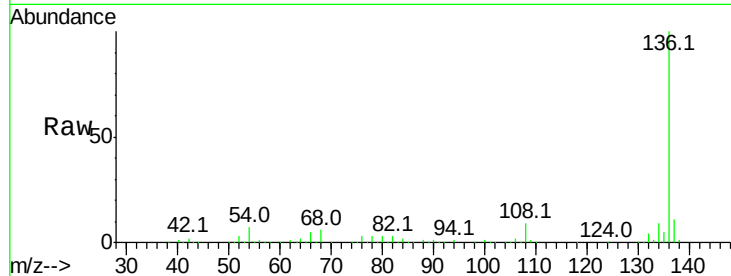




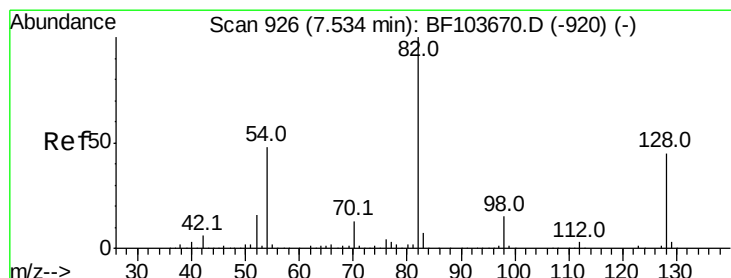
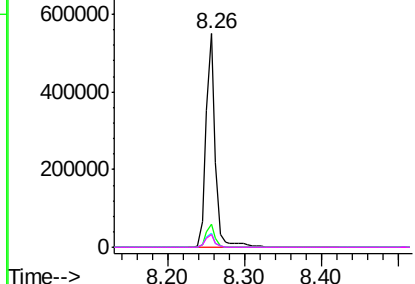
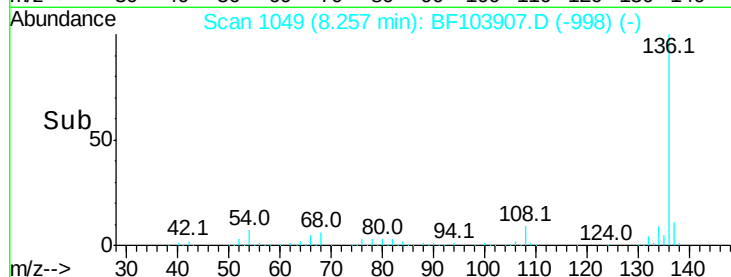
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF103907.D
Acq: 24 Mar 2018 3:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	136	Resp	459276
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.6	6.6	9.8
68	6.0	5.0	7.4

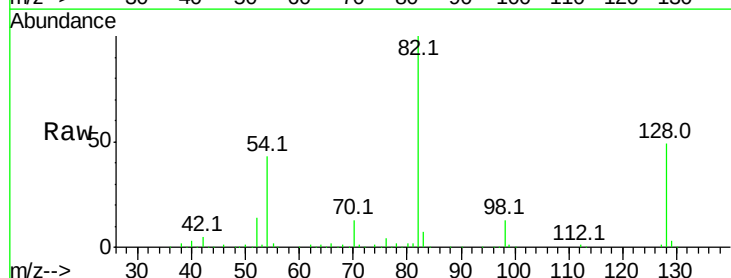


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

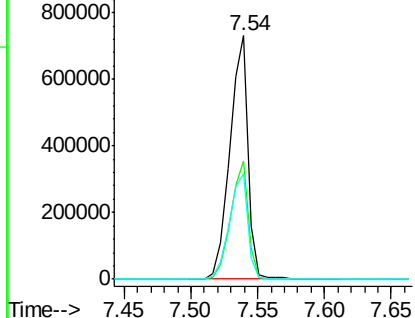
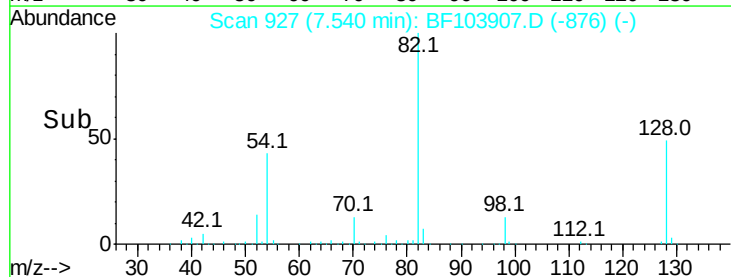


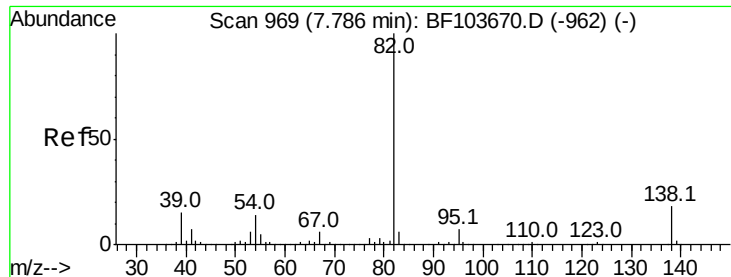
#23
Nitrobenzene-d5
Concen: 106.822 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103907.D
Acq: 24 Mar 2018 3:59

Tgt Ion	82	Resp	703525
Ion	Ratio	Lower	Upper
82	100		
128	48.8	36.1	54.1
54	43.4	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: 46.144 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103907.D

Acq: 24 Mar 2018 3:59

Instrument :

BNA_F

ClientSampleId :

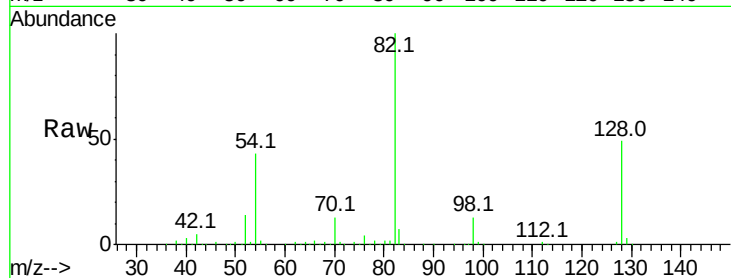
Tot Ion: 82 Resp: 703514

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

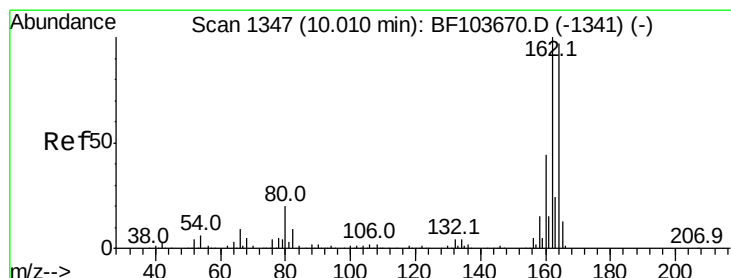
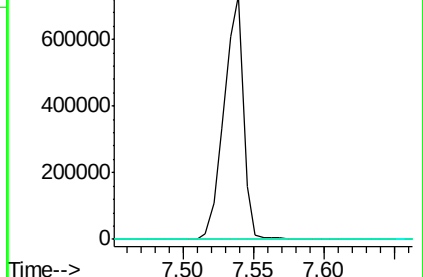
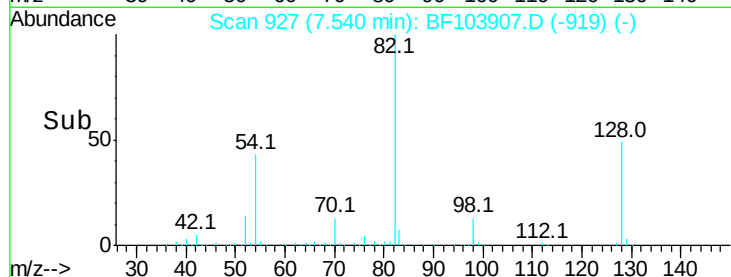
138 0.0 14.9 22.3#



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: BF103907.D

Acq: 24 Mar 2018 3:59

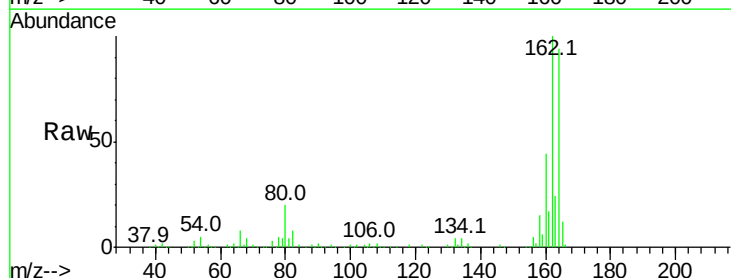
Tgt Ion:164 Resp: 178444

Ion Ratio Lower Upper

164 100

162 106.0 86.1 129.1

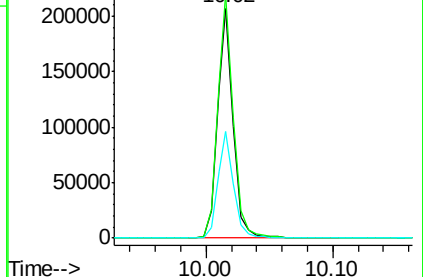
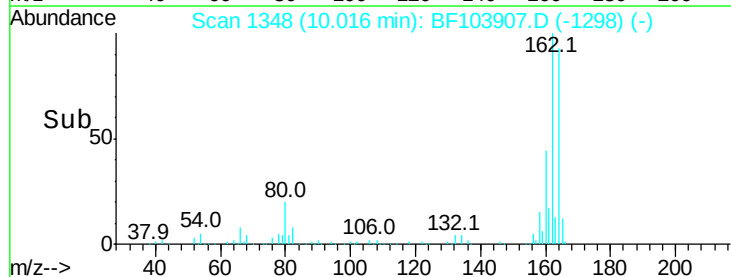
160 46.6 38.3 57.5

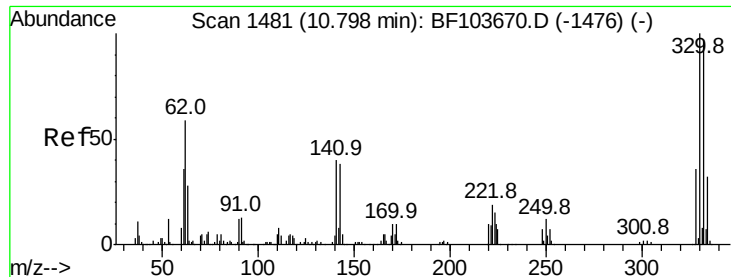


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

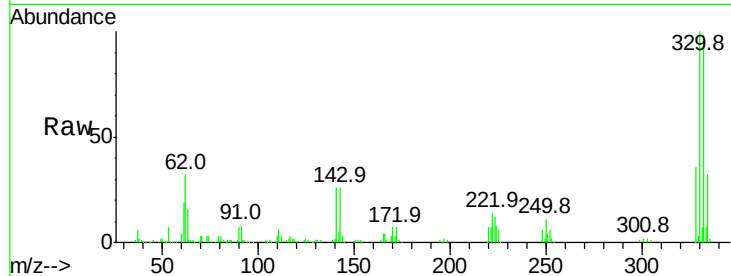




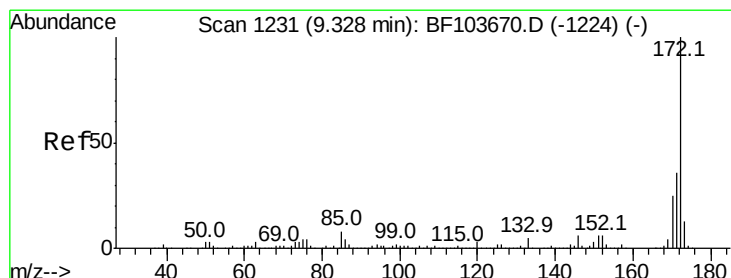
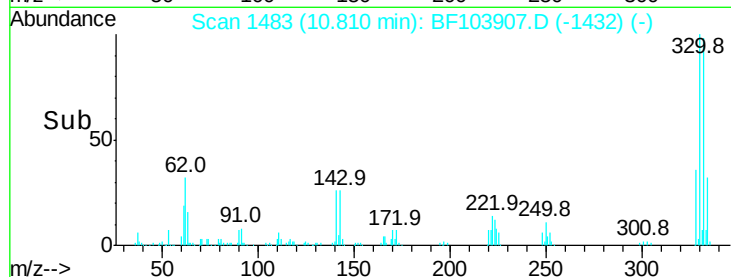
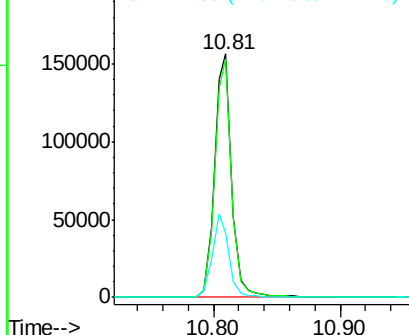
#41
 2,4,6-Tribromophenol
 Concen: 97.687 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103907.D
 Acq: 24 Mar 2018 3:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	33.2	29.9	44.9

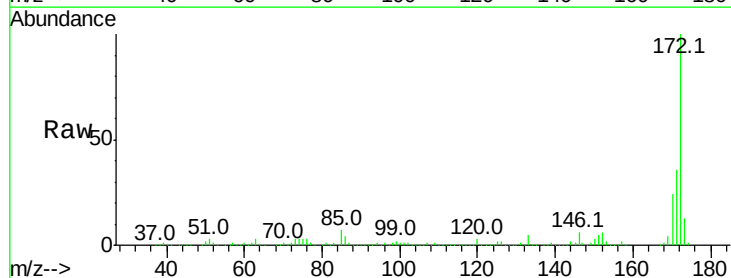


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

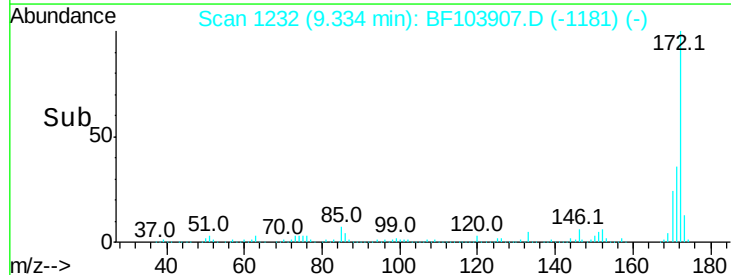
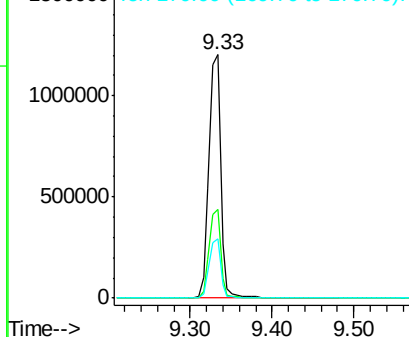


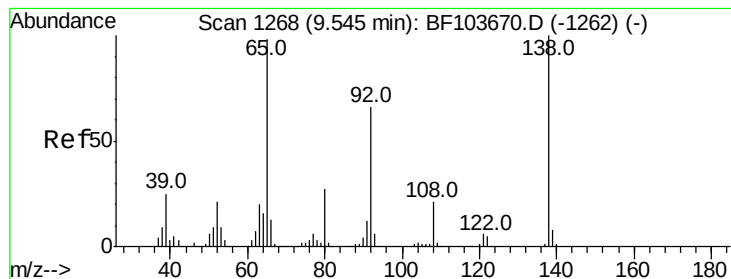
#44
 2-Fluorobiphenyl
 Concen: 107.897 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: BF103907.D
 Acq: 24 Mar 2018 3:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.2	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: 7.261 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.23 min

Lab File: BF103907.D

Acq: 24 Mar 2018 3:59

Instrument :

BNA_F

ClientSampled :

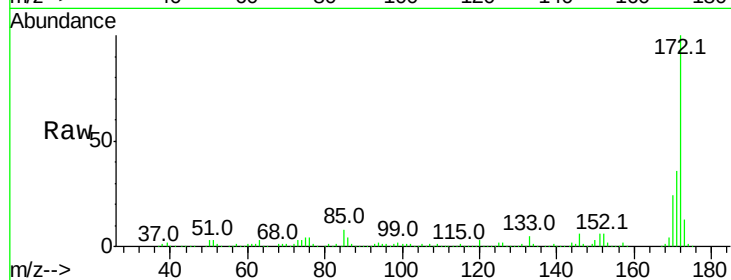
Tot Ion: 65 Resp: 1611

Ion Ratio Lower Upper

65 100

92 259.7 55.8 83.6#

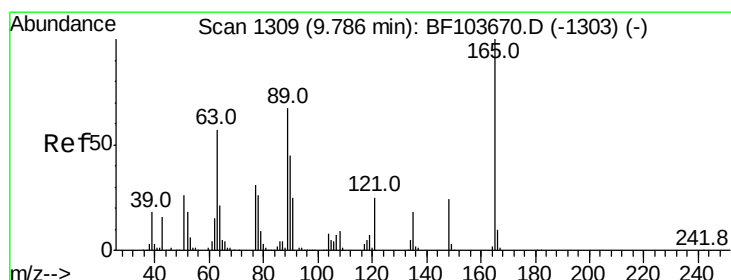
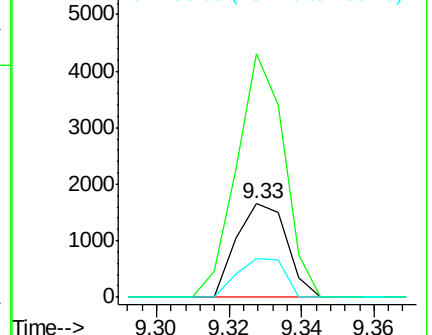
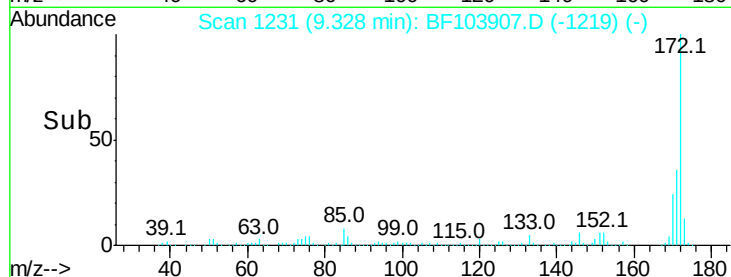
138 40.9 91.2 136.8#



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



#50

2,6-Dinitrotoluene

Concen: 11.744 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.22 min

Lab File: BF103907.D

Acq: 24 Mar 2018 3:59

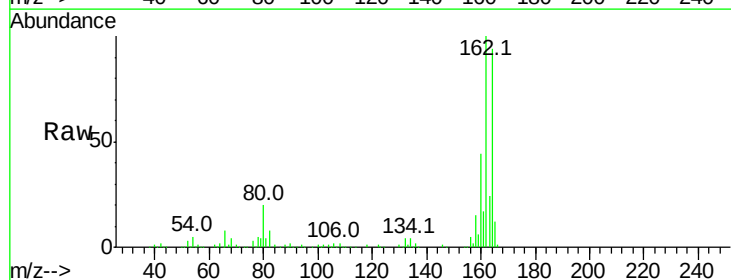
Tgt Ion: 165 Resp: 22288

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

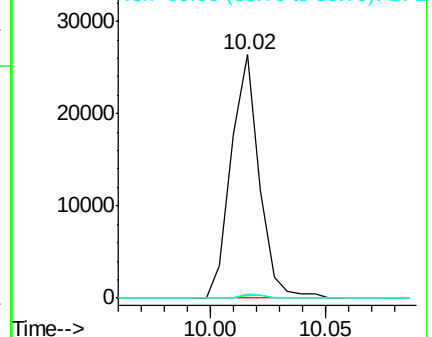
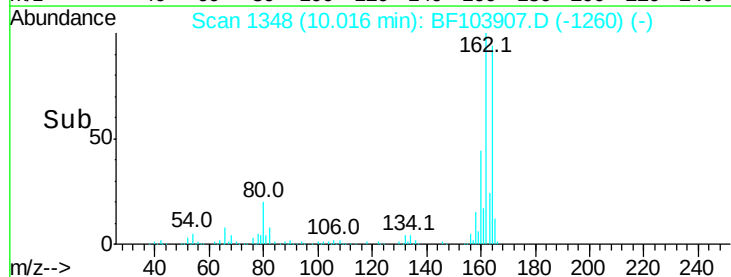
89 1.7 44.0 66.0#

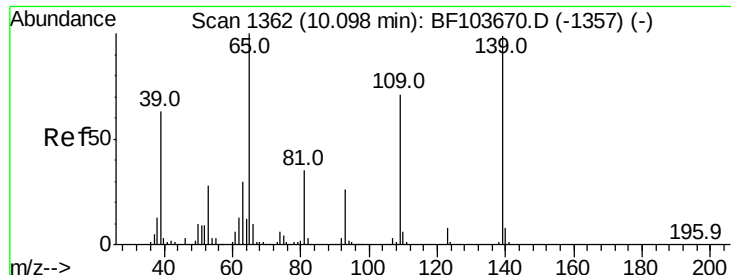


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 5.013 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.10 min

Lab File: BF103907.D

Acq: 24 Mar 2018 3:59

Instrument :

BNA_F

ClientSampleId :

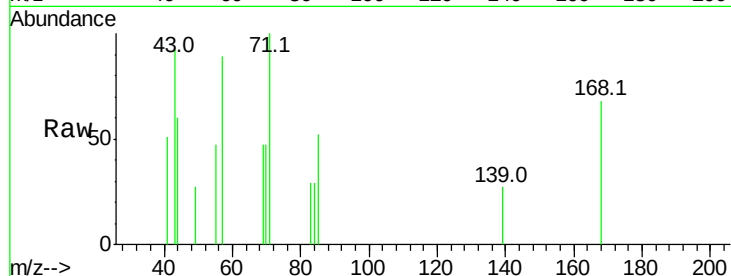
Tot Ion:139 Resp: 114

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

65 0.0 72.6 112.6#

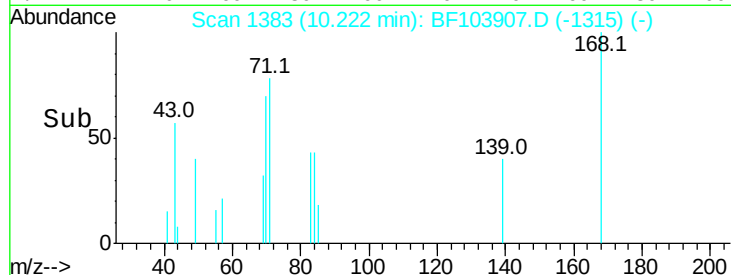


Abundance Ion 139.00 (138.70 to 139.70): E

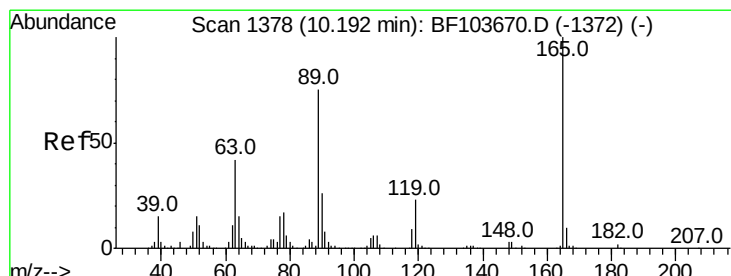
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

Time-->



Time-->



#56

2,4-Dinitrotoluene

Concen: 12.029 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.19 min

Lab File: BF103907.D

Acq: 24 Mar 2018 3:59

Tgt Ion:165 Resp: 22288

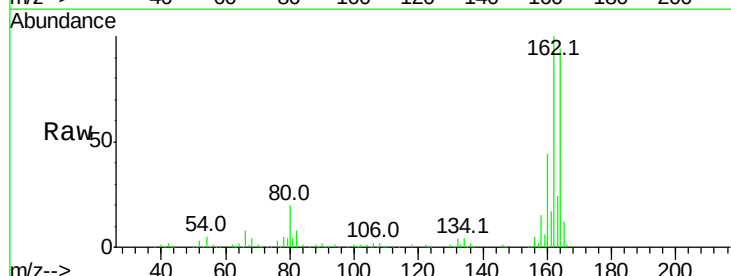
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#



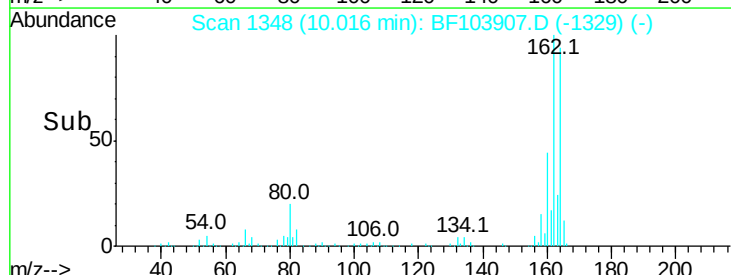
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

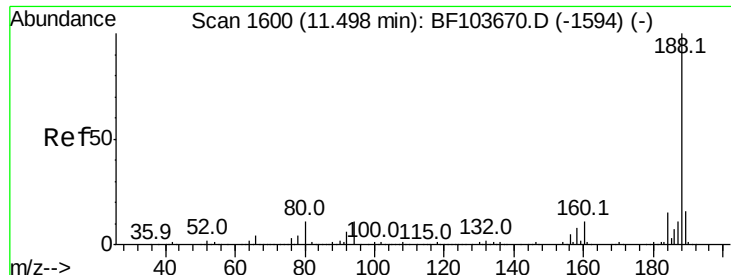
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

Time-->



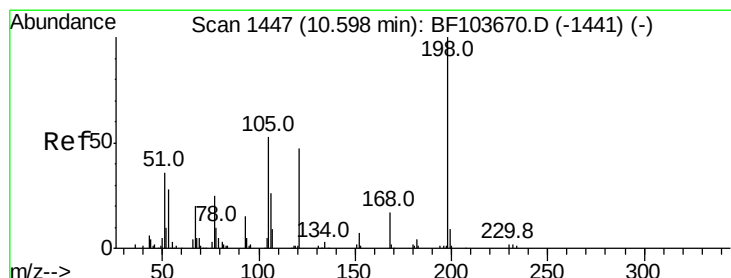
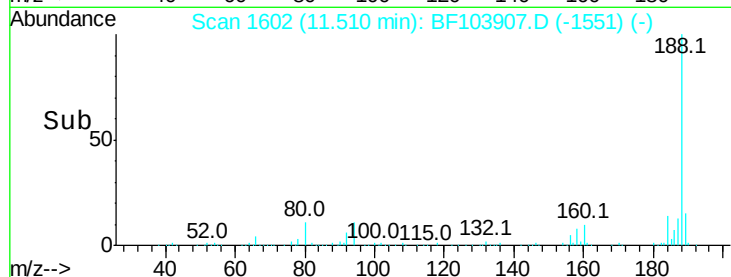
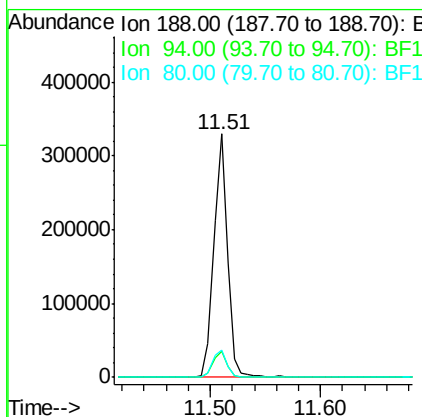
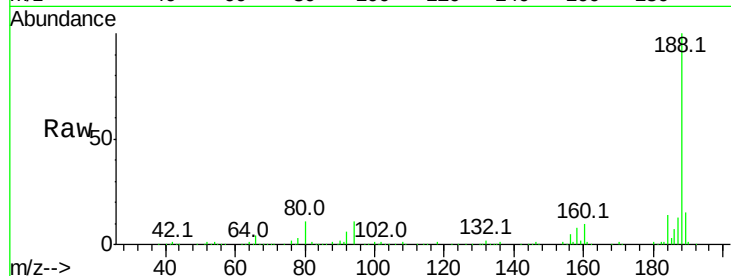
Time-->



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BF103907.D
 Acq: 24 Mar 2018 3:59

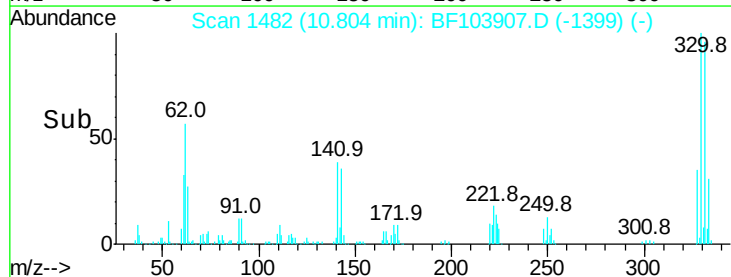
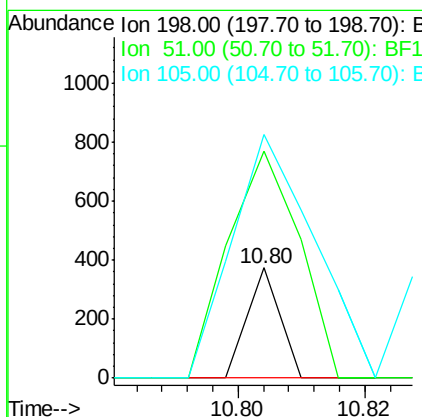
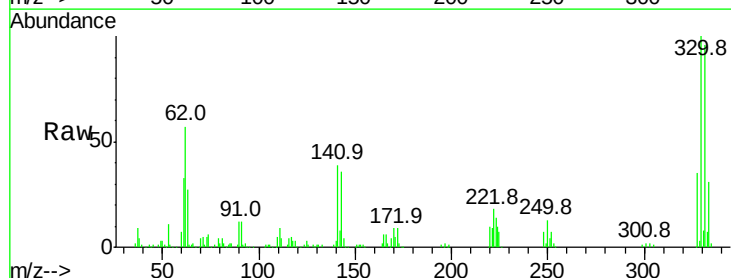
Instrument :
 BNA_F
 ClientSampleId :

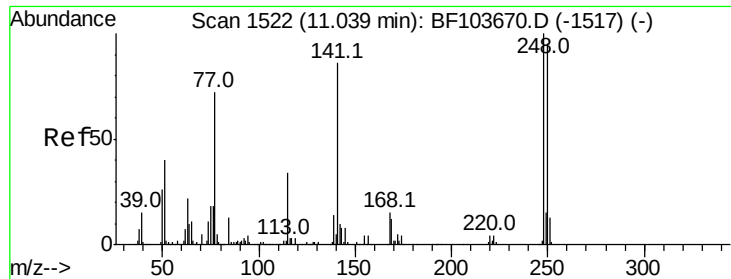
Tot Ion:188 Resp: 279245
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 11.1 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.257 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.19 min
 Lab File: BF103907.D
 Acq: 24 Mar 2018 3:59

Tgt Ion:198 Resp: 132
 Ion Ratio Lower Upper
 198 100
 51 205.9 37.7 77.7#
 105 221.4 36.3 76.3#

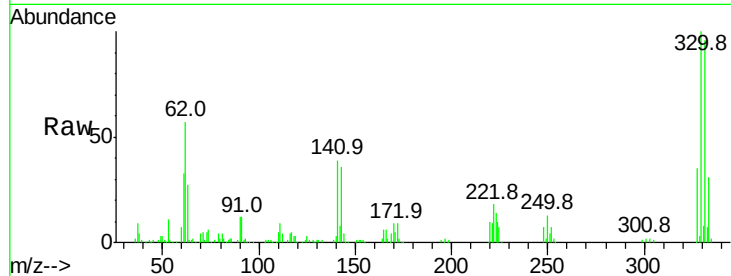




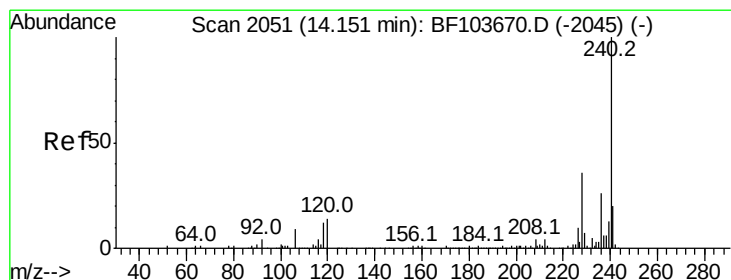
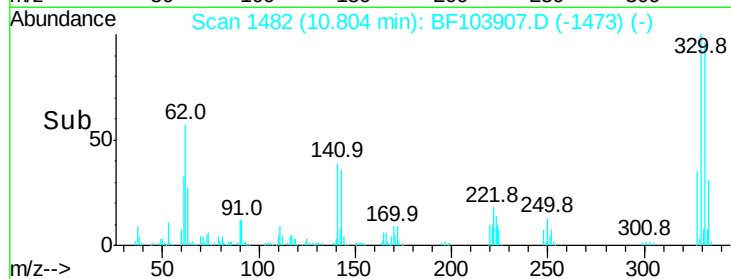
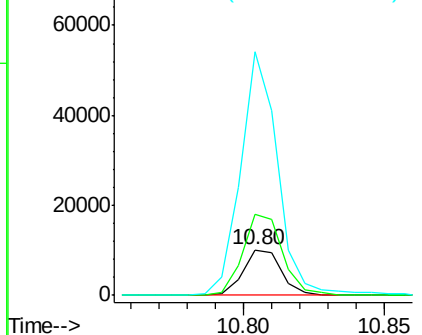
#66
4-Bromophenyl-phenylether
Concen: 3.309 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF103907.D
Acq: 24 Mar 2018 3:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9486
Ion Ratio Lower Upper
248 100
250 179.3 76.9 115.3#
141 535.1 74.4 111.6#

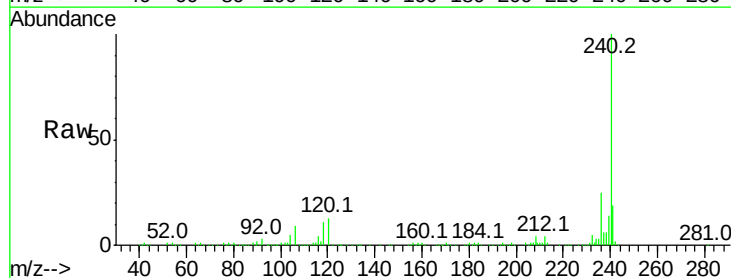


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

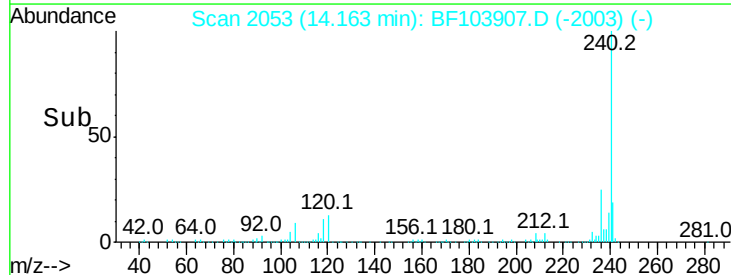
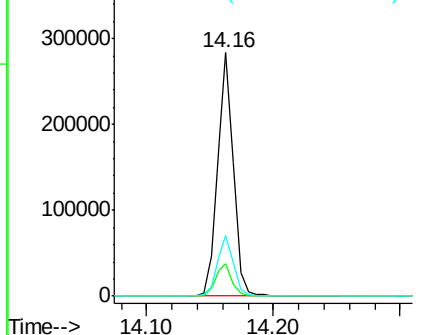


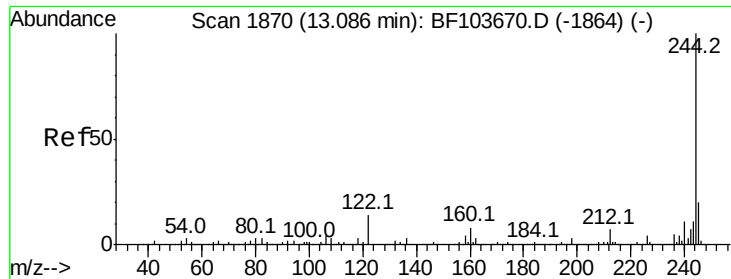
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF103907.D
Acq: 24 Mar 2018 3:59

Tgt Ion:240 Resp: 250835
Ion Ratio Lower Upper
240 100
120 13.2 9.5 14.3
236 24.7 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: 89.170 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BF103907.D

Acq: 24 Mar 2018 3:59

Instrument :

BNA_F

ClientSampled :

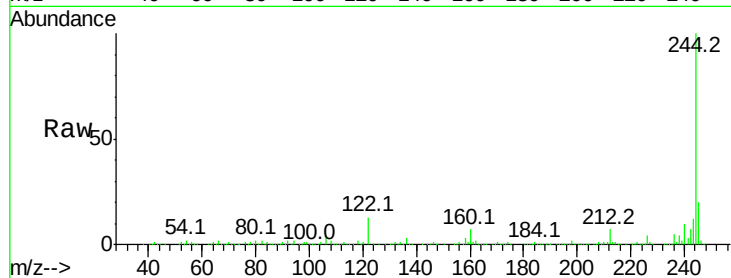
Tot Ion:244 Resp: 963620

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

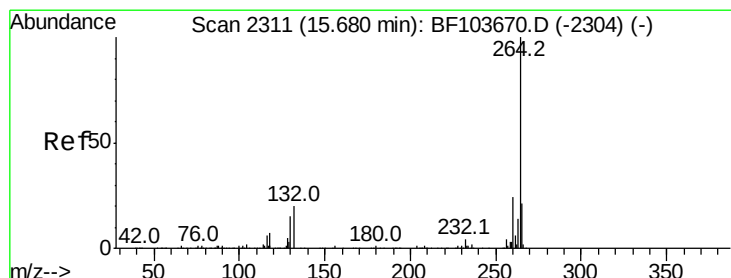
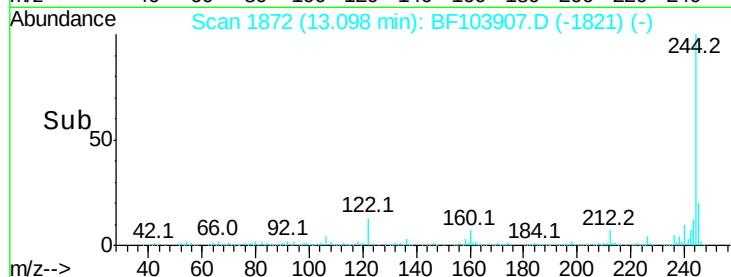
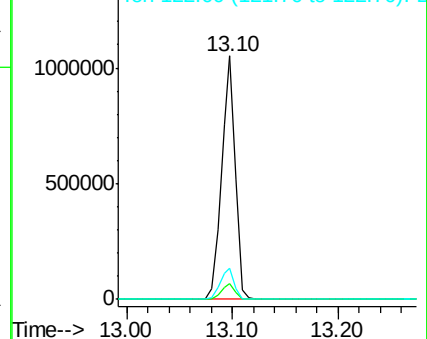
122 12.5 11.0 16.4



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: 15.70 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BF103907.D

Acq: 24 Mar 2018 3:59

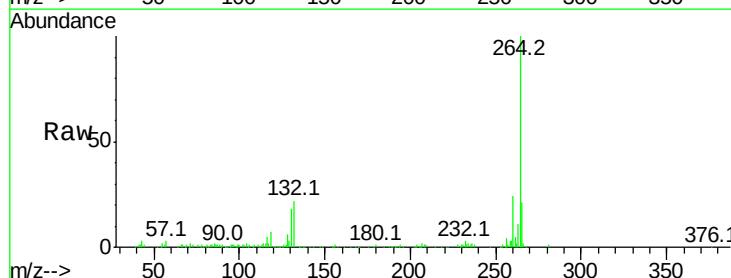
Tgt Ion:264 Resp: 180688

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.1 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

