

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
 Data File : BF101971.D
 Acq On : 9 Jan 2018 23:45
 Operator : SJ/JU
 Sample : J1049-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 03:24:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

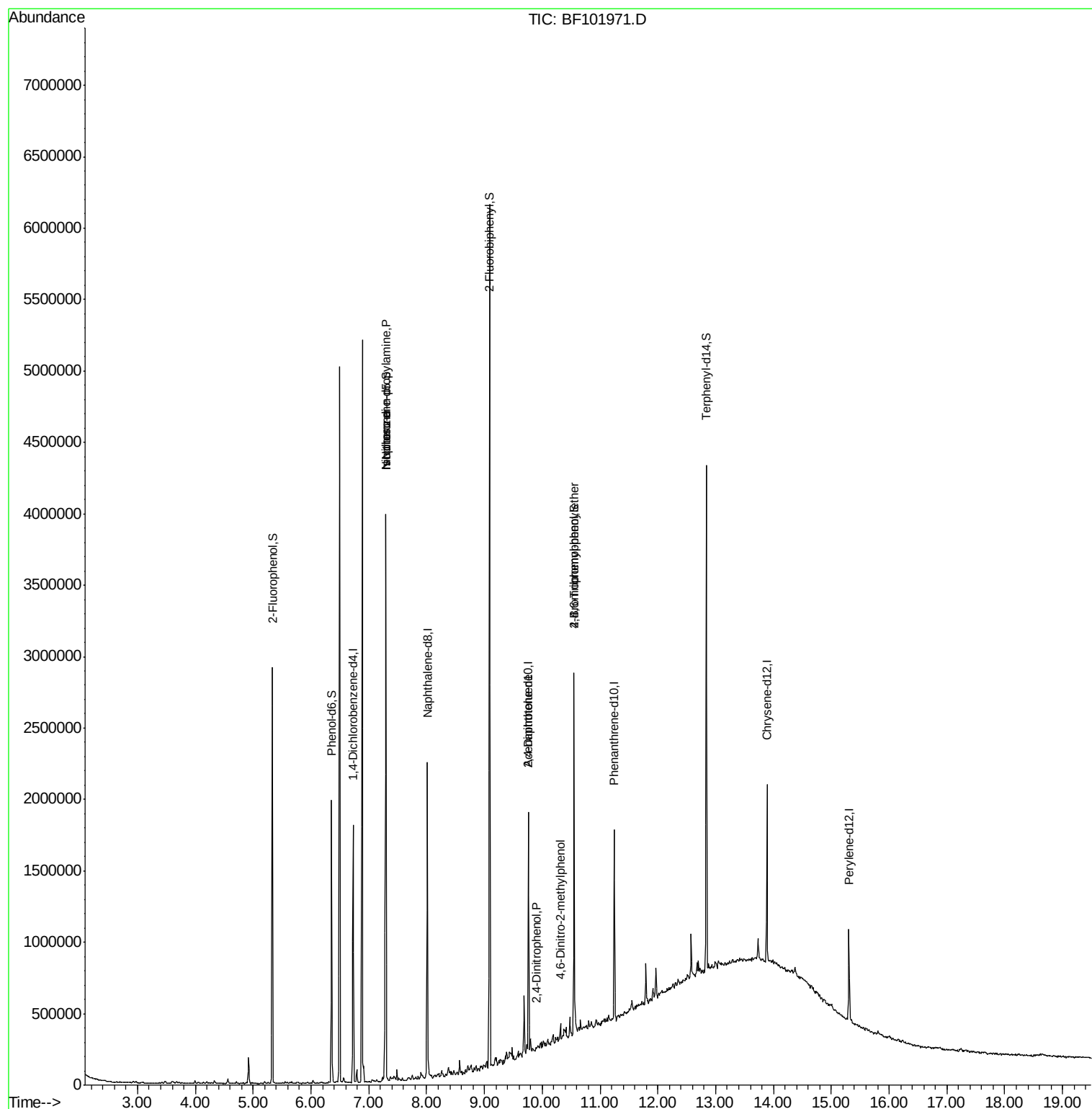
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	230275	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	853154	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	294854	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	430568	20.00	ng	0.00
75) Chrysene-d12	13.89	240	397918	20.00	ng	0.00
86) Perylene-d12	15.31	264	284159	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	807020	49.49	ng	0.01
7) Phenol-d6	6.36	99	577687	29.69	ng	0.00
23) Nitrobenzene-d5	7.30	82	1383686	95.31	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	293456	114.05	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1934565	102.50	ng	0.00
78) Terphenyl-d14	12.84	244	1245506	64.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	184965	14.506	ng	# 84
25) Isophorone	7.30	82	1379311	48.082	ng	# 64
53) 2,4-Dinitrophenol	9.90	184	297	8.805	ng	# 17
56) 2,4-Dinitrotoluene	9.76	165	39330	6.641	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.32	198	162	5.723	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	19806	4.356	ng	# 1

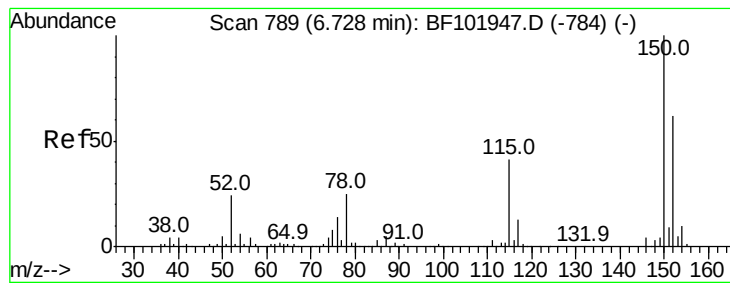
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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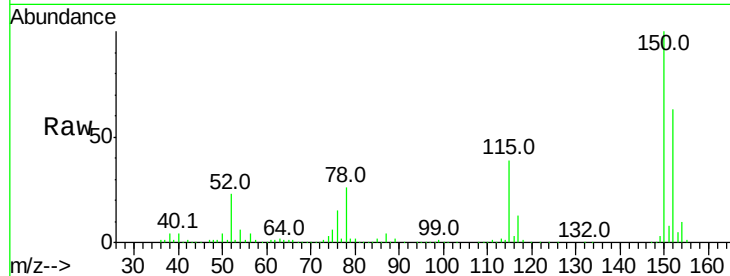


#1

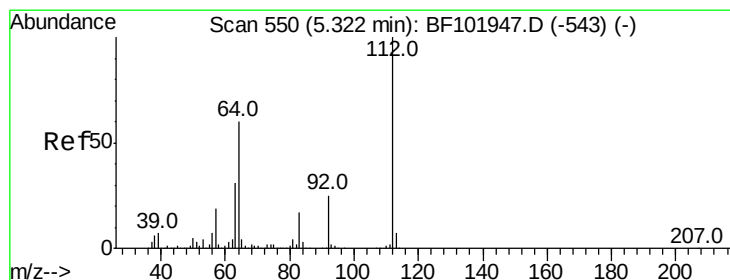
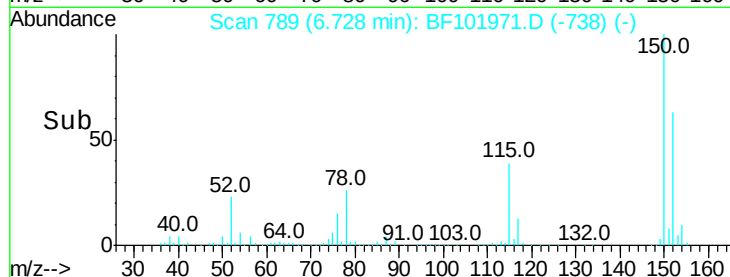
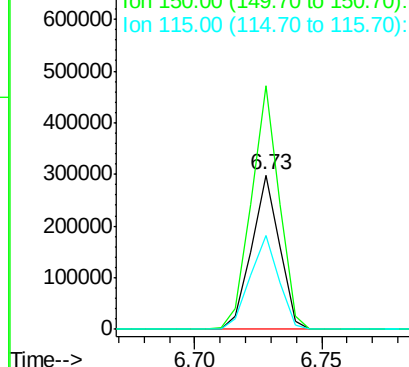
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF101971.D
Acq: 9 Jan 2018 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 230275
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 61.1 50.1 75.1



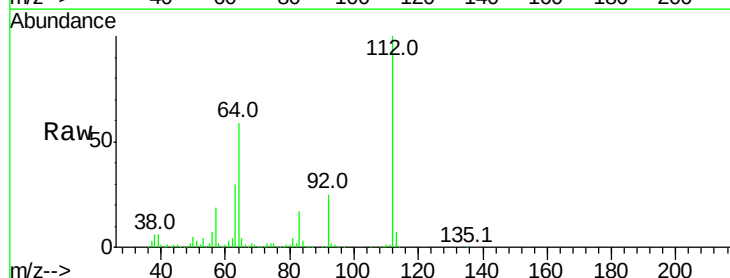
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



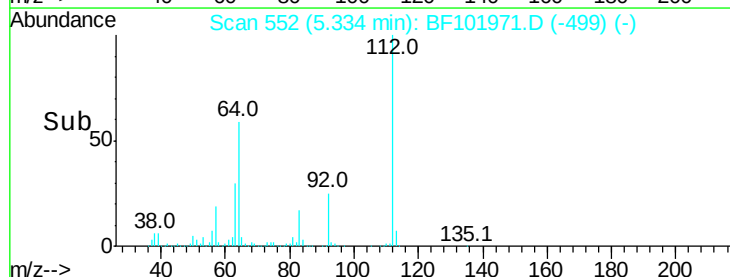
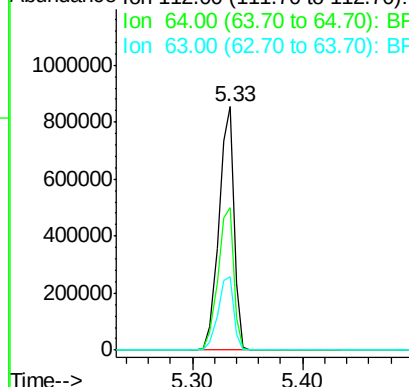
#5

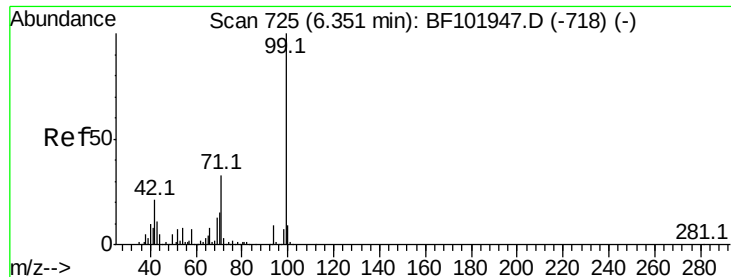
2-Fluorophenol
Concen: 49.488 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF101971.D
Acq: 9 Jan 2018 23:45

Tgt Ion:112 Resp: 807020
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 30.0 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: 29.691 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF101971.D

Acq: 9 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

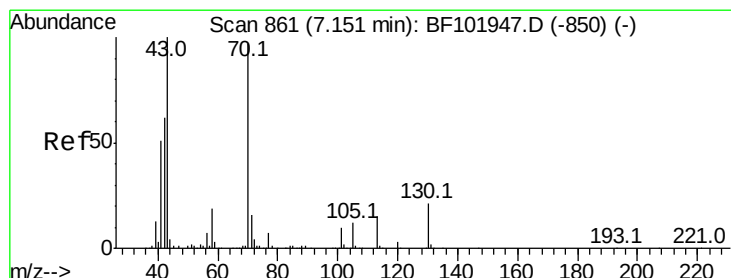
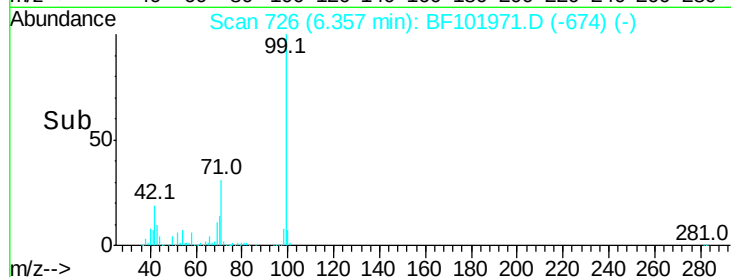
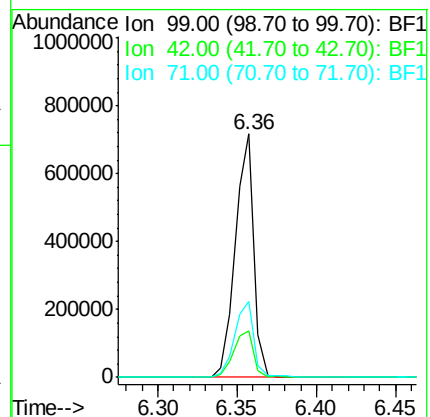
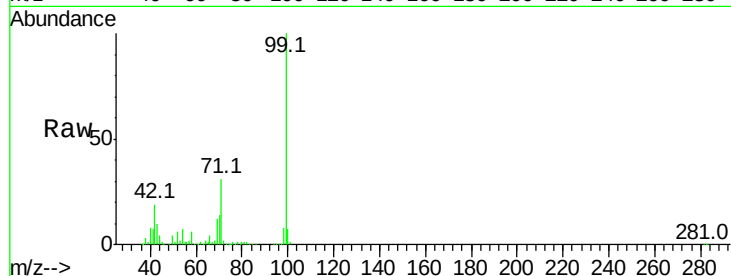
Tot Ion: 99 Resp: 577687

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

71 31.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.506 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.15 min

Lab File: BF101971.D

Acq: 9 Jan 2018 23:45

Tgt Ion: 70 Resp: 184965

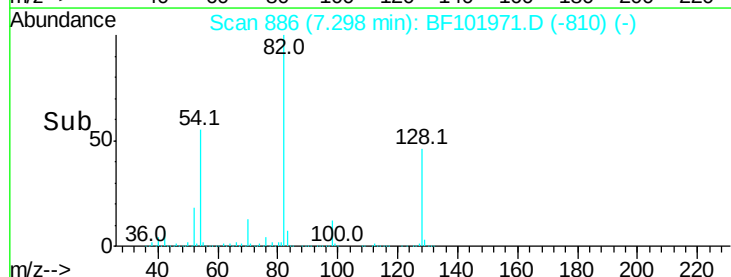
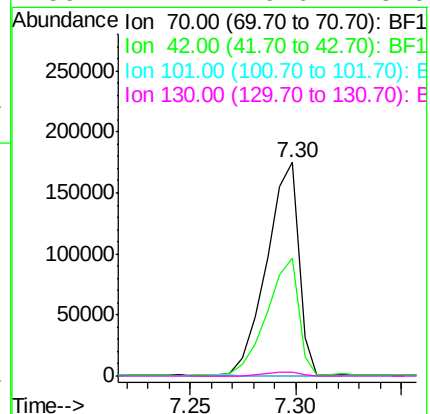
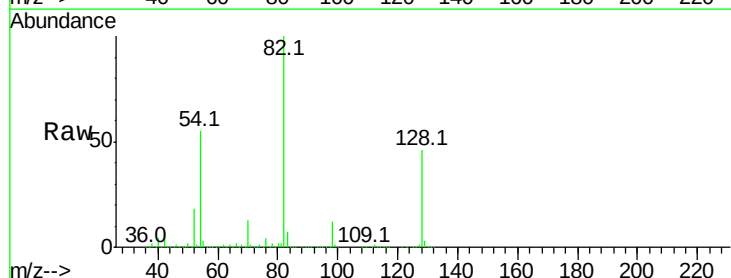
Ion Ratio Lower Upper

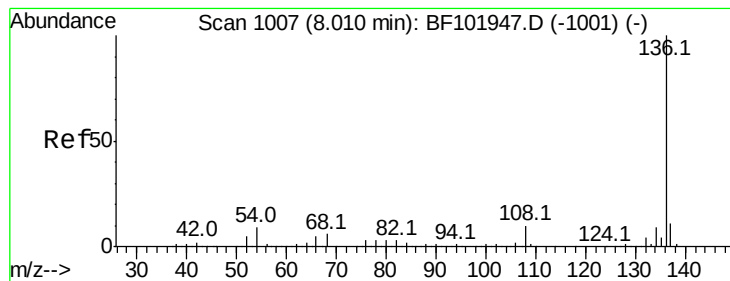
70 100

42 54.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF101971.D

Acq: 9 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 853154

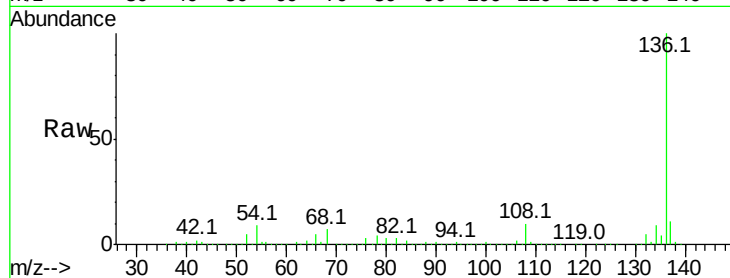
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.1 6.6 9.8

68 6.5 5.0 7.4

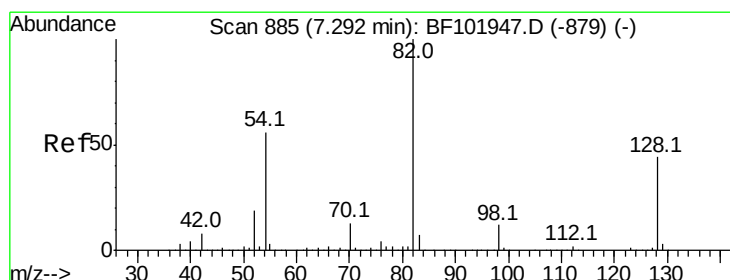
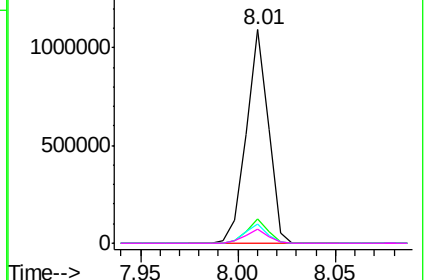
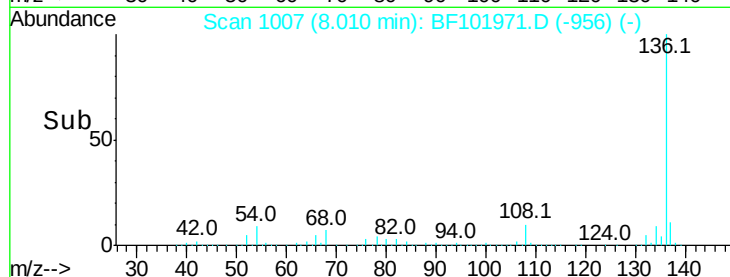


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.306 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.01 min

Lab File: BF101971.D

Acq: 9 Jan 2018 23:45

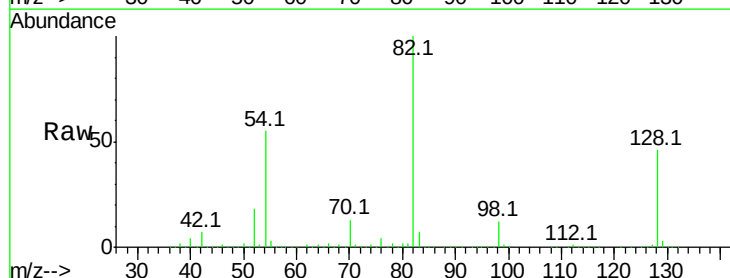
Tgt Ion: 82 Resp: 1383686

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

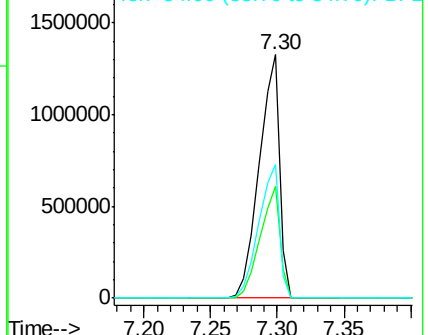
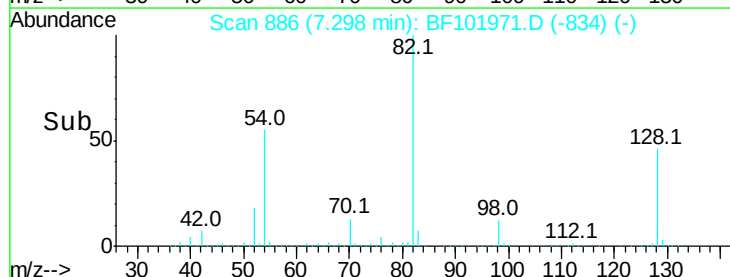
54 54.7 41.4 62.2

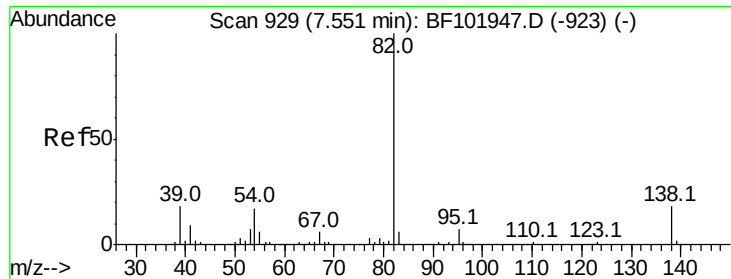


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.082 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.25 min

Lab File: BF101971.D

Acq: 9 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

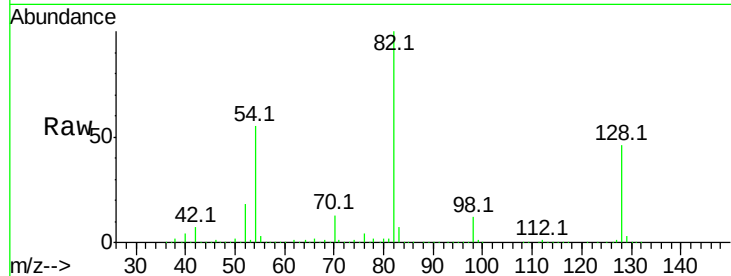
Tot Ion: 82 Resp: 1379311

Ion Ratio Lower Upper

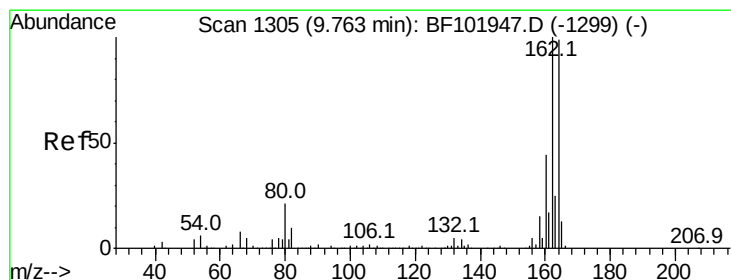
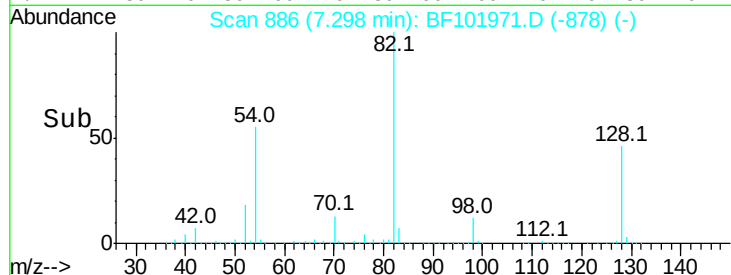
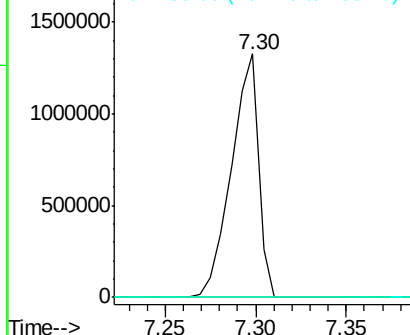
82 100

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: 9.76 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF101971.D

Acq: 9 Jan 2018 23:45

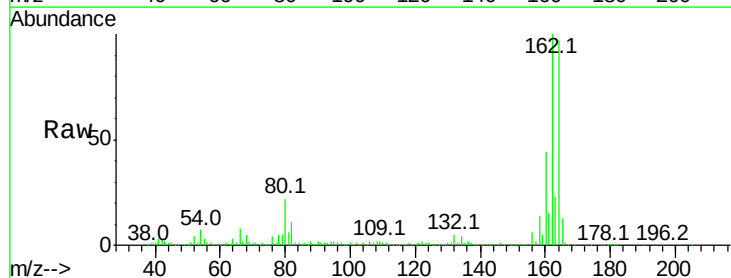
Tgt Ion:164 Resp: 294854

Ion Ratio Lower Upper

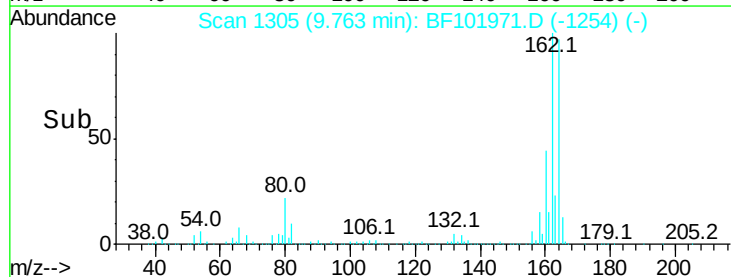
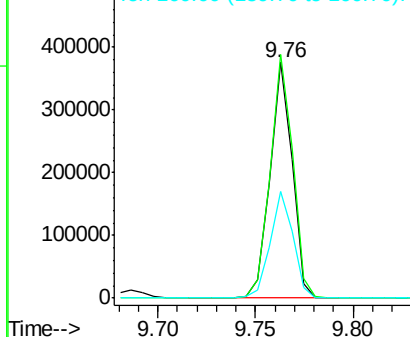
164 100

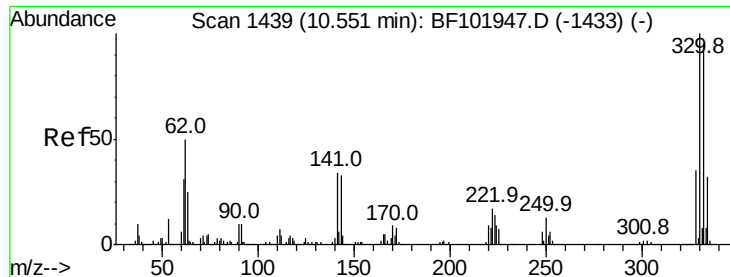
162 103.4 86.1 129.1

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

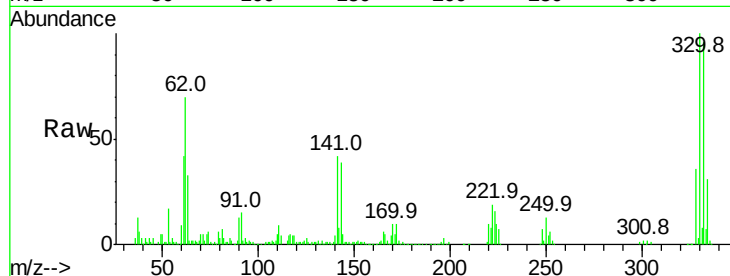




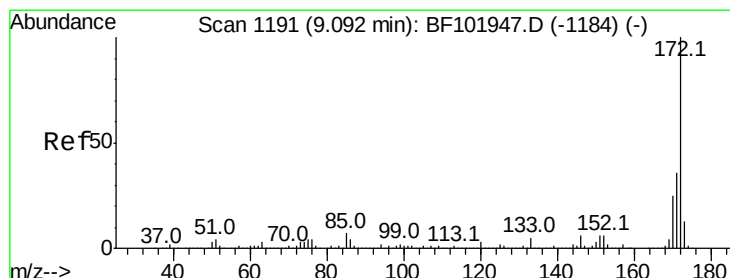
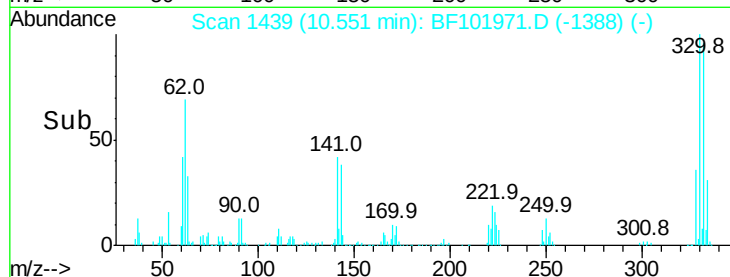
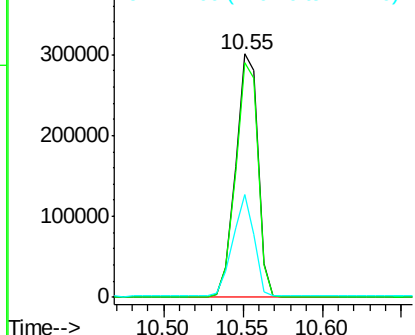
#41
 2,4,6-Tribromophenol
 Concen: 114.045 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF101971.D
 Acq: 9 Jan 2018 23:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	40.0	29.9	44.9

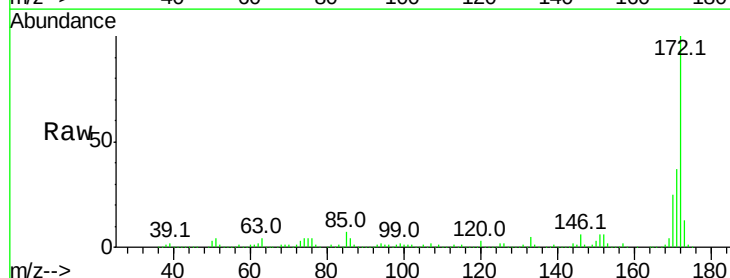


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

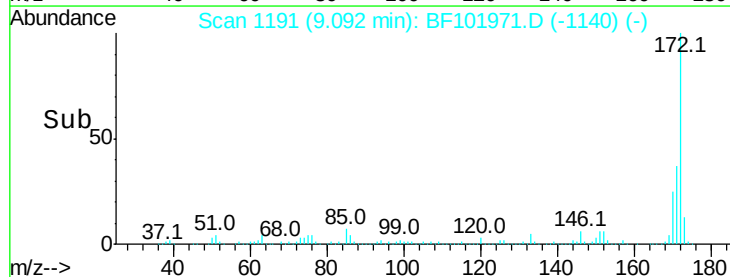
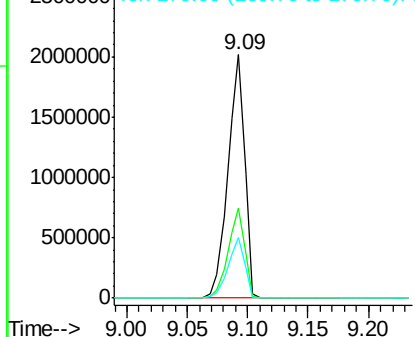


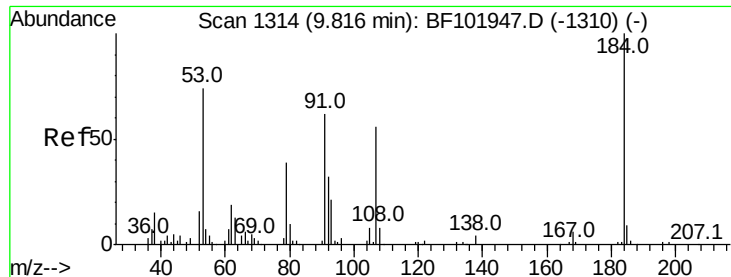
#44
 2-Fluorobiphenyl
 Concen: 102.502 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: BF101971.D
 Acq: 9 Jan 2018 23:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.6	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

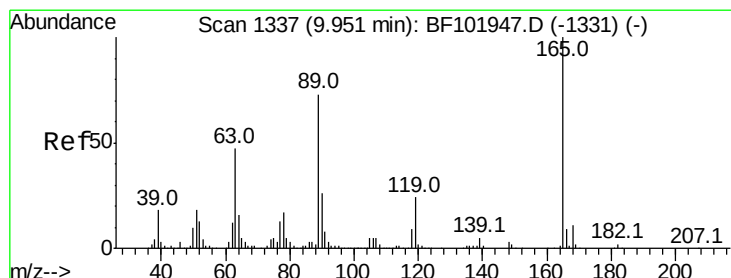
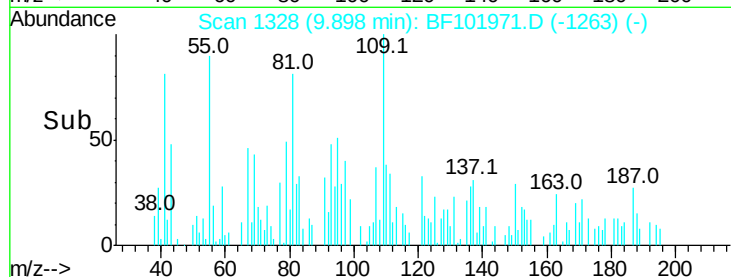
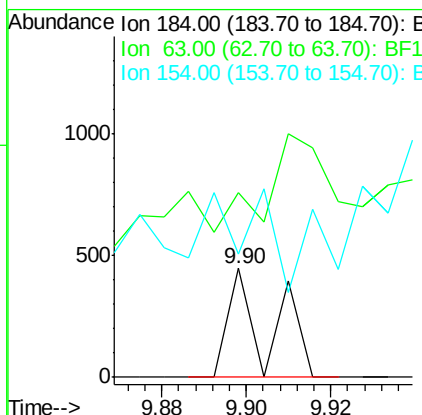
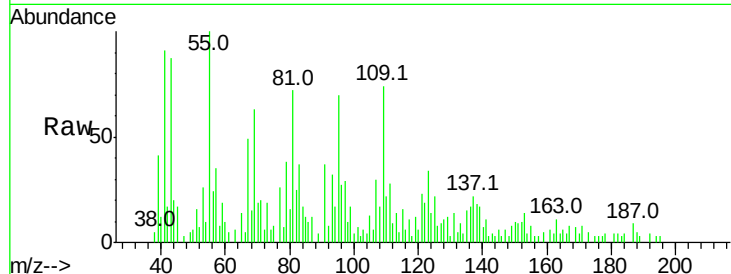




#53
2,4-Dinitrophenol
Concen: 8.805 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.08 min
Lab File: BF101971.D
Acq: 9 Jan 2018 23:45

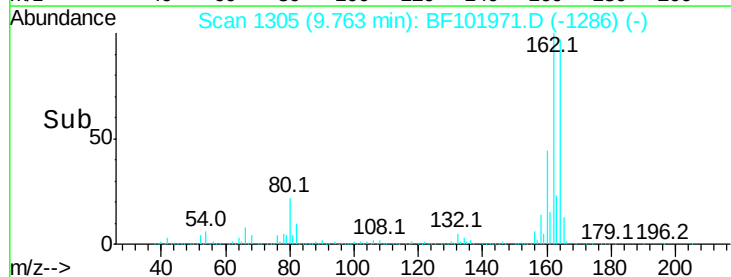
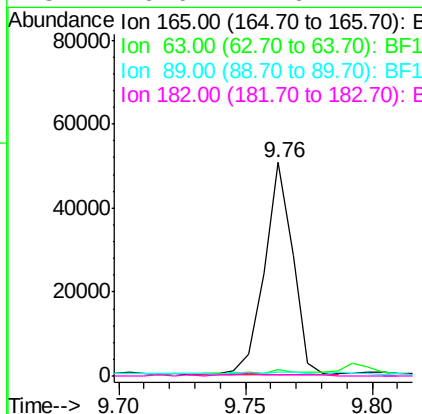
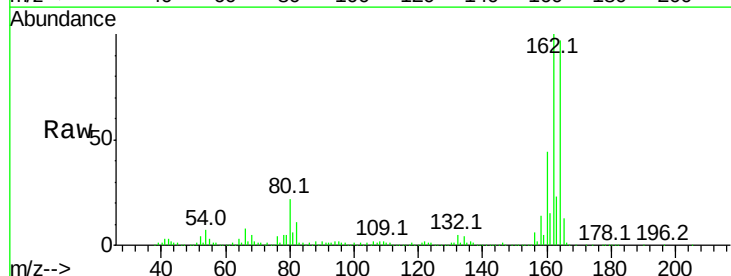
Instrument :
BNA_F
ClientSampled :

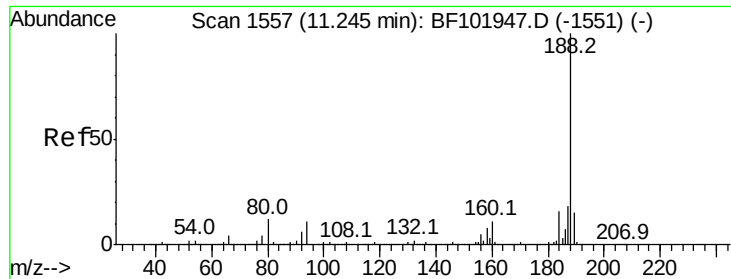
Tot Ion:184 Resp: 297
Ion Ratio Lower Upper
184 100
63 170.0 54.2 81.2#
154 113.7 184.0 276.0#



#56
2,4-Dinitrotoluene
Concen: 6.641 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF101971.D
Acq: 9 Jan 2018 23:45

Tgt Ion:165 Resp: 39330
Ion Ratio Lower Upper
165 100
63 2.8 36.4 54.6#
89 2.0 57.8 86.6#
182 0.6 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF101971.D

Acq: 9 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

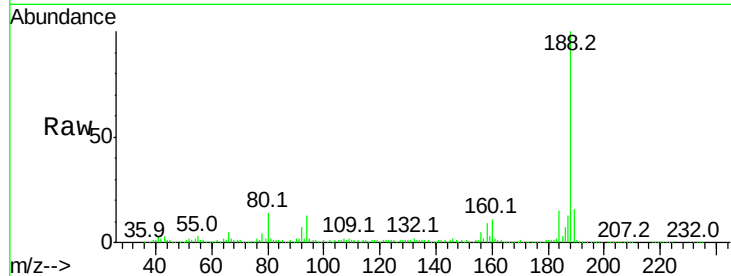
Tot Ion:188 Resp: 430568

Ion Ratio Lower Upper

188 100

94 12.8 8.5 12.7#

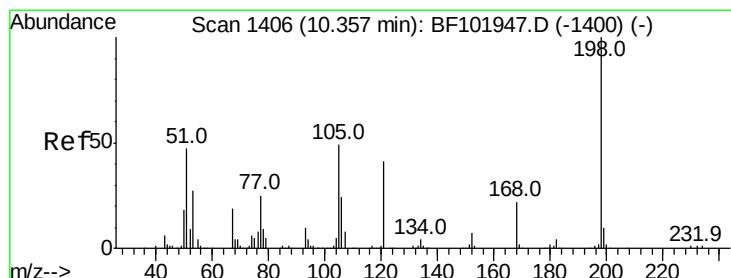
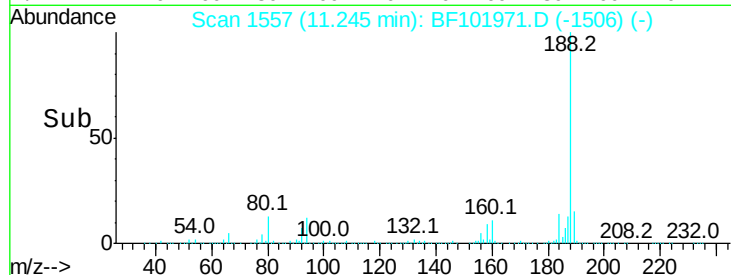
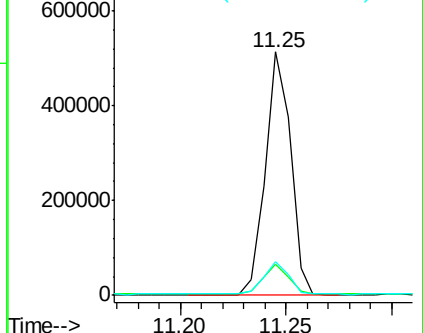
80 13.7 9.2 13.8



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: 5.723 ng

RT: 10.32 min Scan# 1400

Delta R.T. -0.03 min

Lab File: BF101971.D

Acq: 9 Jan 2018 23:45

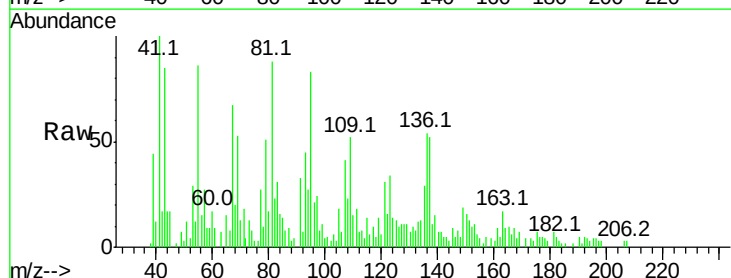
Tgt Ion:198 Resp: 162

Ion Ratio Lower Upper

198 100

51 413.0 37.7 77.7#

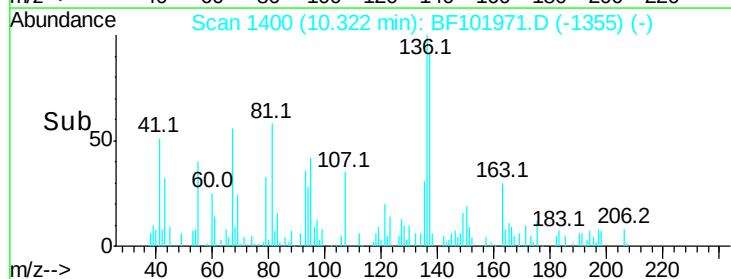
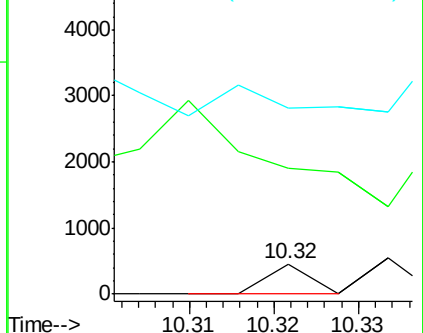
105 613.0 36.3 76.3#

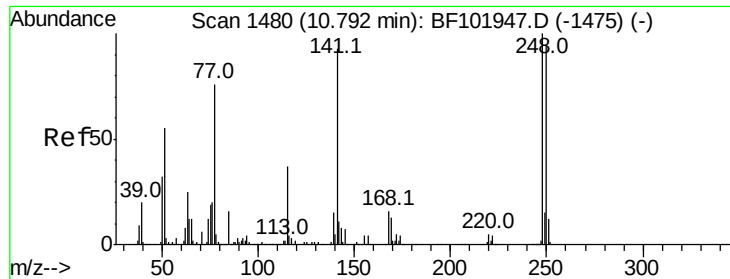


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

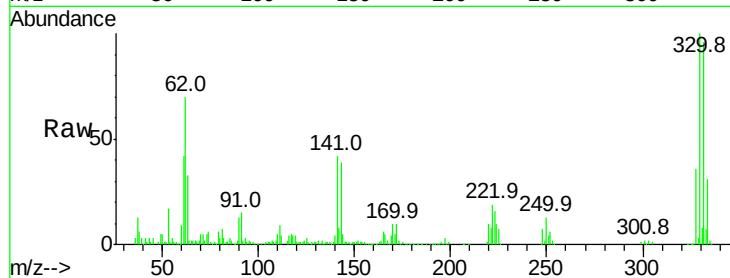




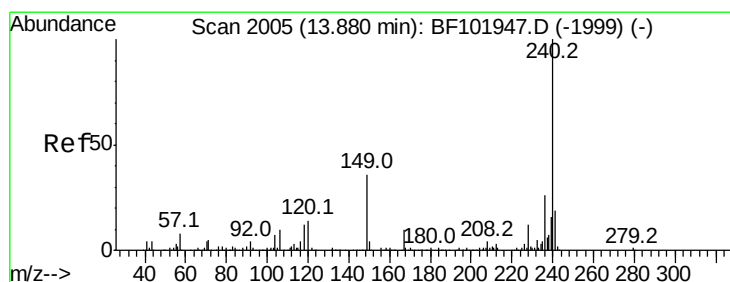
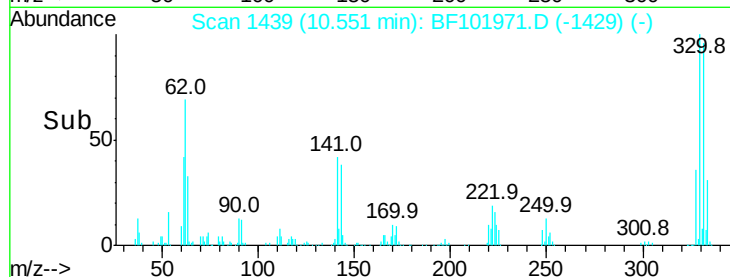
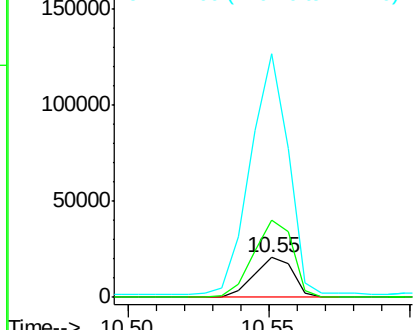
#66
4-Bromophenyl-phenylether
Concen: 4.356 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF101971.D
Acq: 9 Jan 2018 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 19806
Ion Ratio Lower Upper
248 100
250 194.2 76.9 115.3#
141 614.5 74.4 111.6#

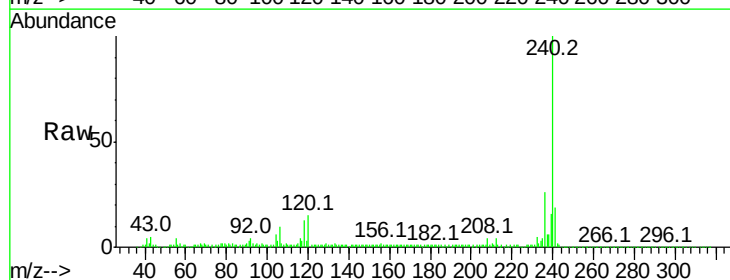


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

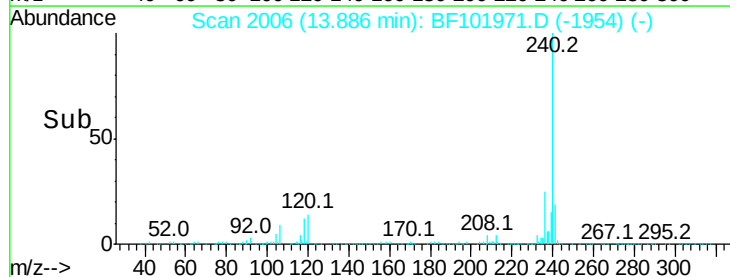
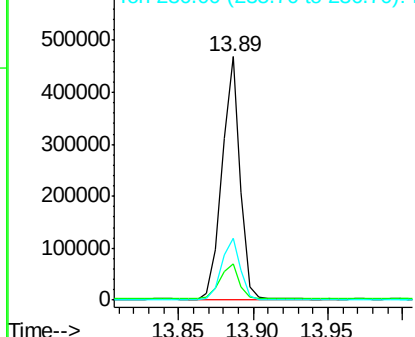


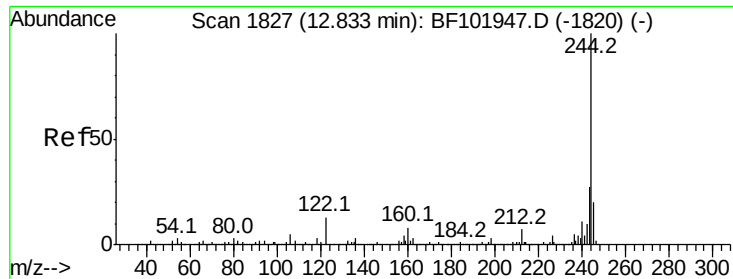
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BF101971.D
Acq: 9 Jan 2018 23:45

Tgt Ion:240 Resp: 397918
Ion Ratio Lower Upper
240 100
120 14.6 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: 64.988 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF101971.D

Acq: 9 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

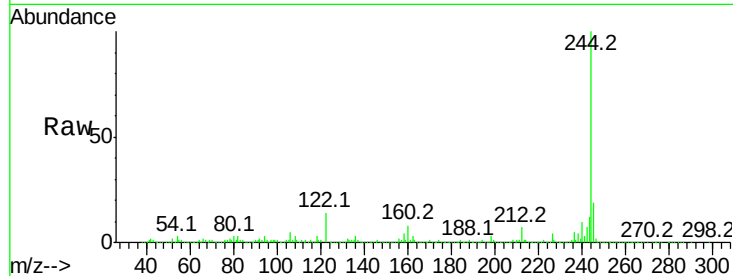
Tot Ion:244 Resp: 1245506

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

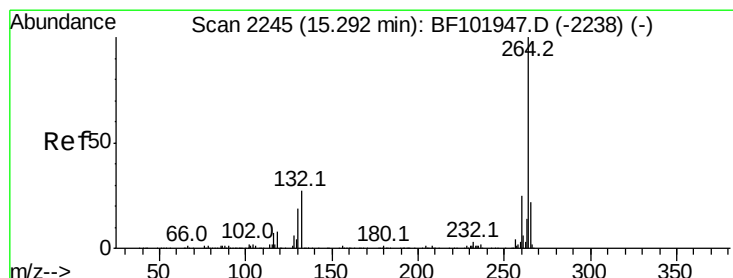
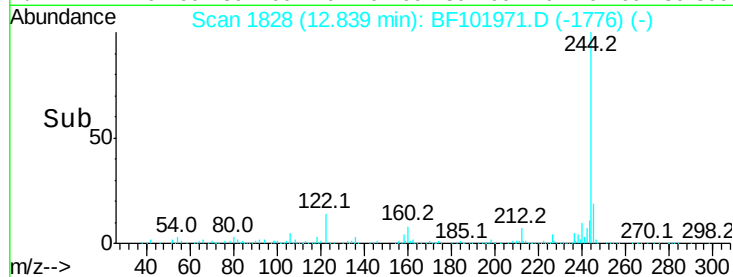
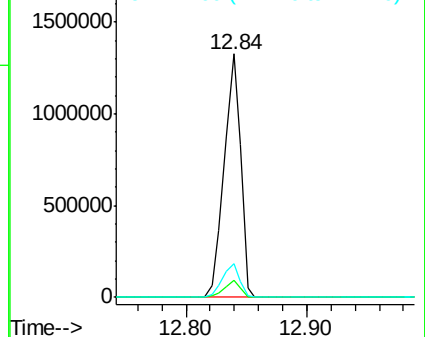
122 14.1 11.0 16.4



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: 15.31 min Scan# 2248

Delta R.T. 0.02 min

Lab File: BF101971.D

Acq: 9 Jan 2018 23:45

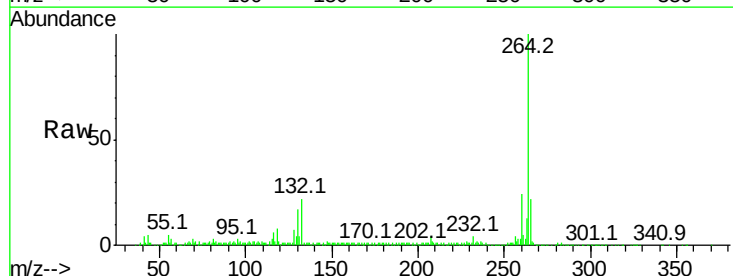
Tgt Ion:264 Resp: 284159

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.7 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

