

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
 Data File : BF102954.D
 Acq On : 13 Feb 2018 11:54
 Operator : SJ/JU
 Sample : PB106454BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 00:04:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

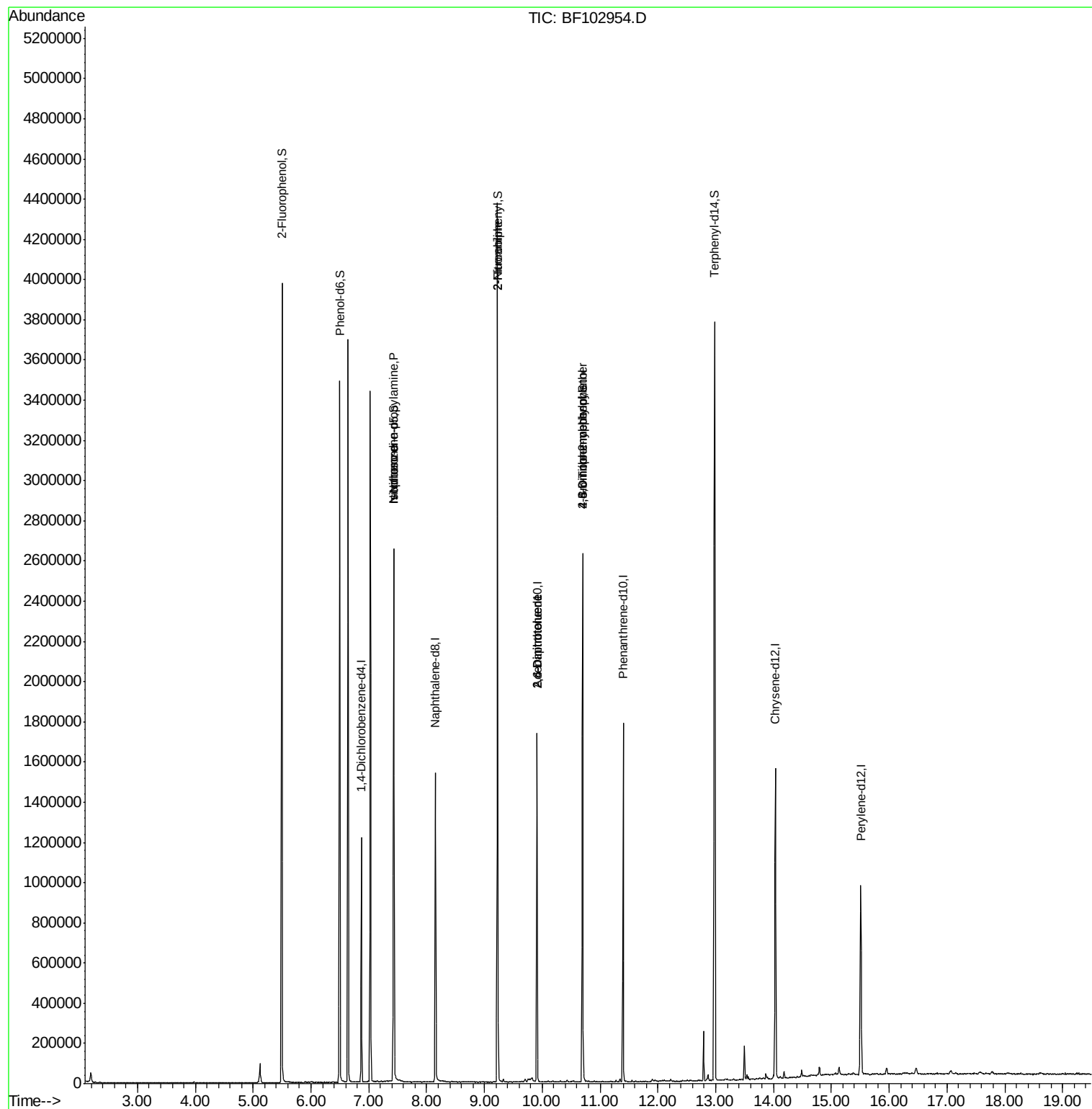
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	168465	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	713030	20.00	ng	-0.01
38) Acenaphthene-d10	9.91	164	328614	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	600854	20.00	ng	0.00
75) Chrysene-d12	14.03	240	480317	20.00	ng	0.00
86) Perylene-d12	15.51	264	400992	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1138038	102.59	ng	0.01
7) Phenol-d6	6.50	99	1375806	103.01	ng	0.00
23) Nitrobenzene-d5	7.43	82	886228	86.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	310317	117.32	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1444766	72.95	ng	-0.01
78) Terphenyl-d14	12.98	244	1471546	72.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	120651	13.70	ng	# 82
25) Isophorone	7.43	82	886216	37.44	ng	# 64
47) 2-Nitroaniline	9.23	65	2945	3.88	ng	# 6
50) 2,6-Dinitrotoluene	9.91	165	42129	8.64	ng	# 26
56) 2,4-Dinitrotoluene	9.91	165	42129	9.11	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	575	9.00	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	20171	3.17	ng	# 1

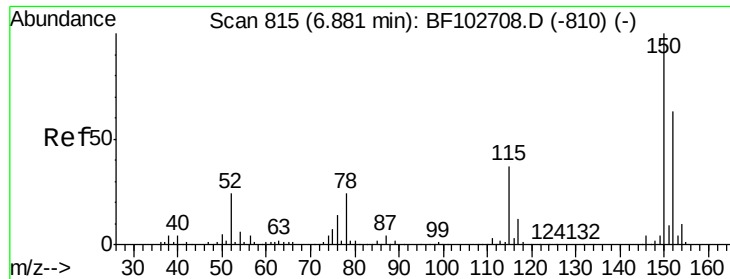
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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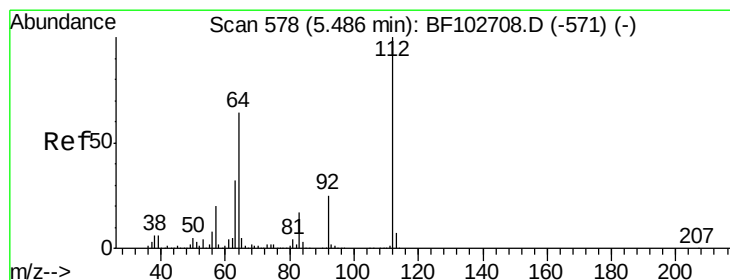
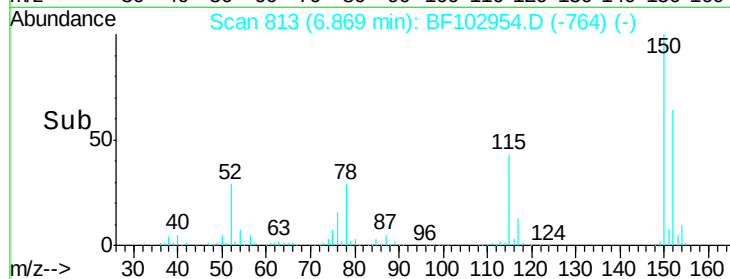
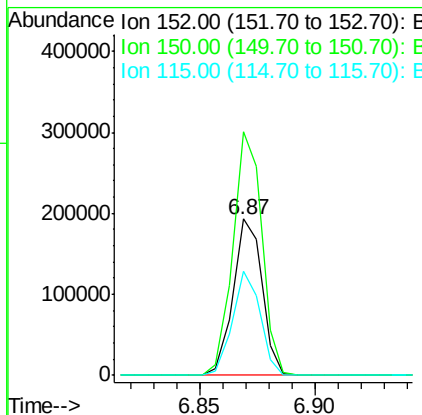
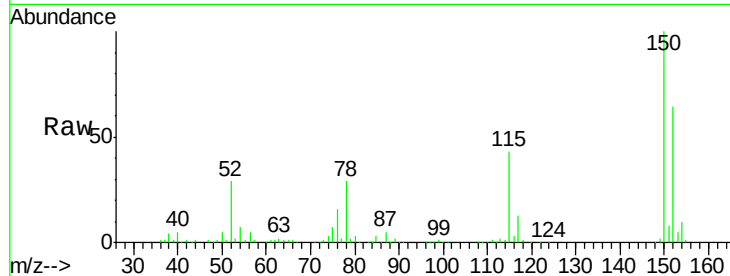


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF102954.D
Acq: 13 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

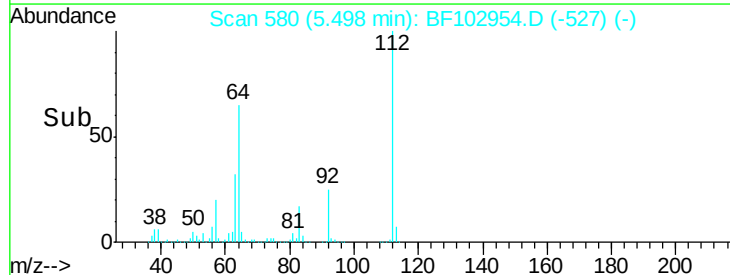
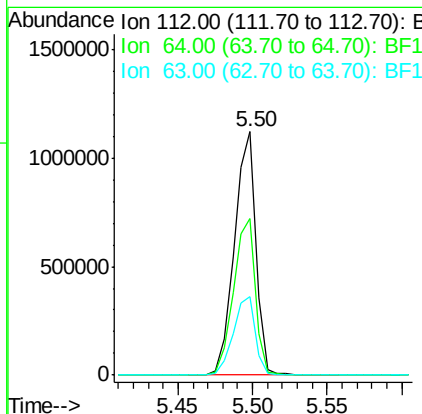
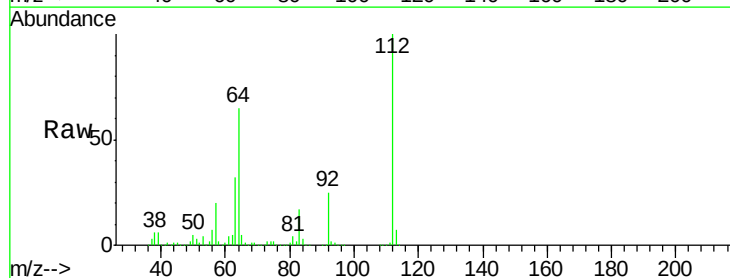
Tot Ion:152 Resp: 168465
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 66.5 50.1 75.1

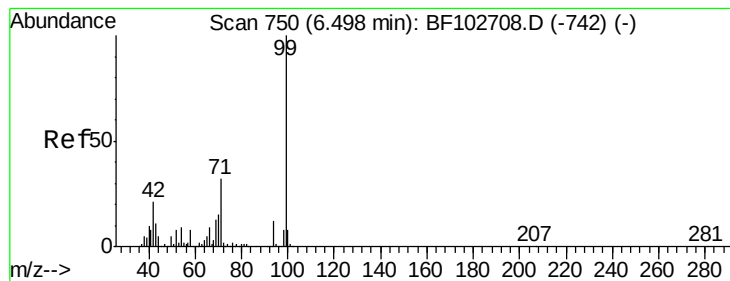


#5

2-Fluorophenol
Concen: 102.59 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102954.D
Acq: 13 Feb 2018 11:54

Tgt Ion:112 Resp: 1138038
Ion Ratio Lower Upper
112 100
64 64.5 47.9 71.9
63 32.5 23.7 35.5





#7

Phenol-d6

Concen: 103.01 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF102954.D

Acq: 13 Feb 2018 11:54

Instrument :

BNA_F

ClientSampleId :

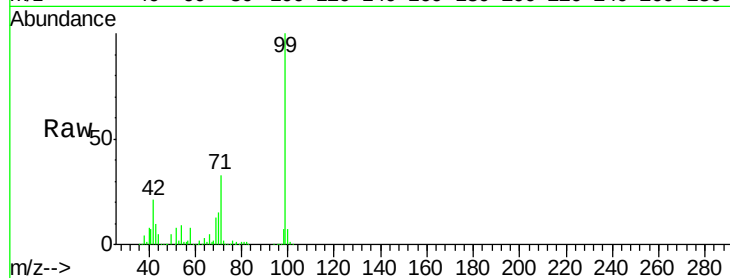
Tot Ion: 99 Resp: 1375806

Ion Ratio Lower Upper

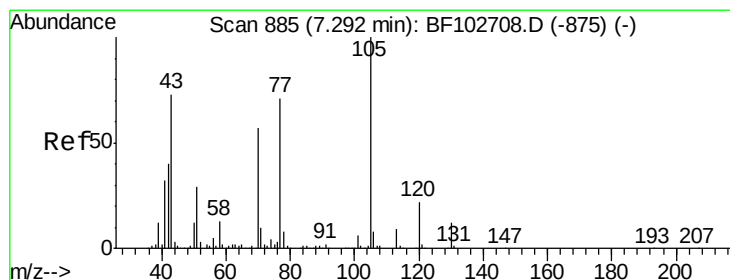
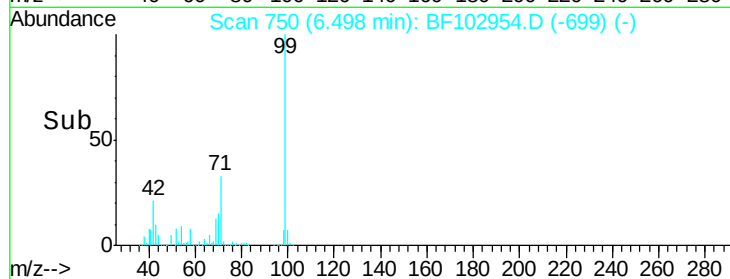
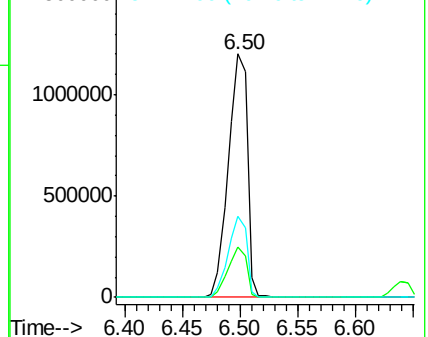
99 100

42 20.5 14.5 21.7

71 33.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.70 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF102954.D

Acq: 13 Feb 2018 11:54

Tgt Ion: 70 Resp: 120651

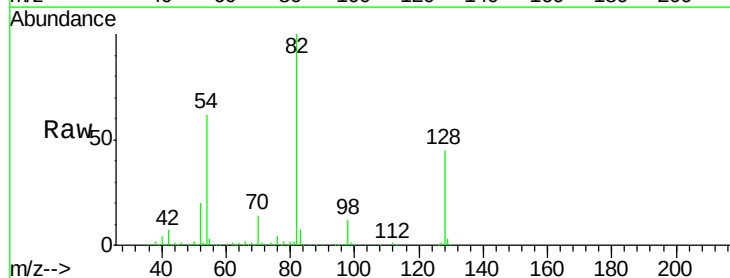
Ion Ratio Lower Upper

70 100

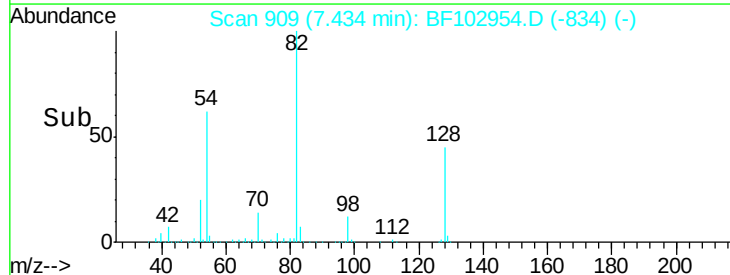
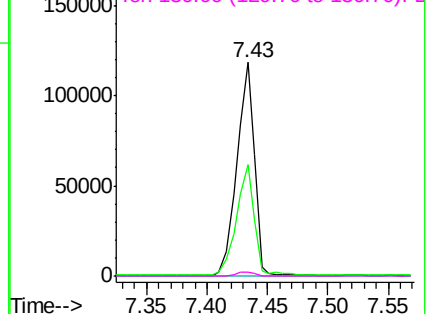
42 52.2 47.5 71.3

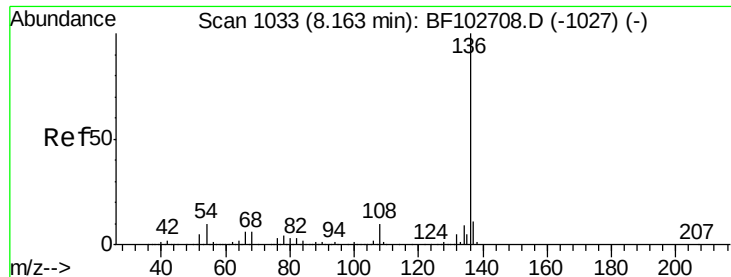
101 0.0 7.4 11.2#

130 2.1 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: 20.00 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF102954.D

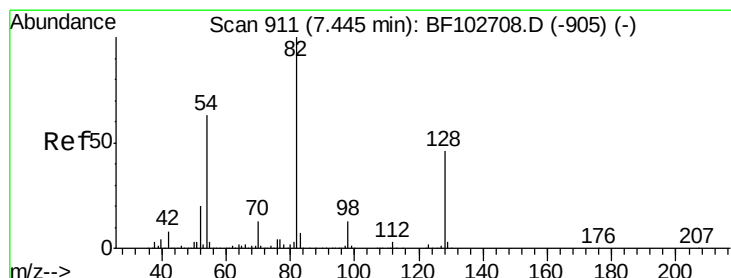
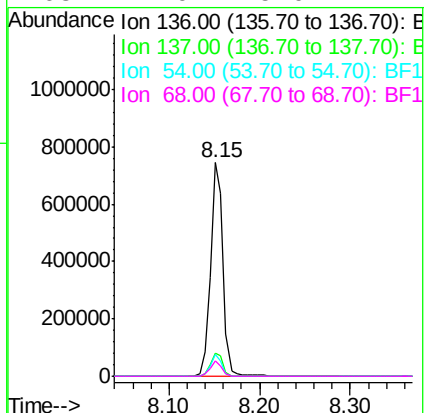
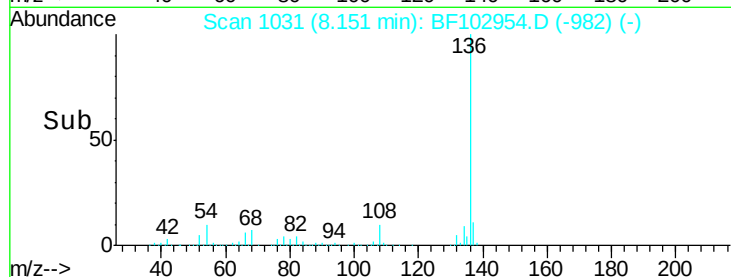
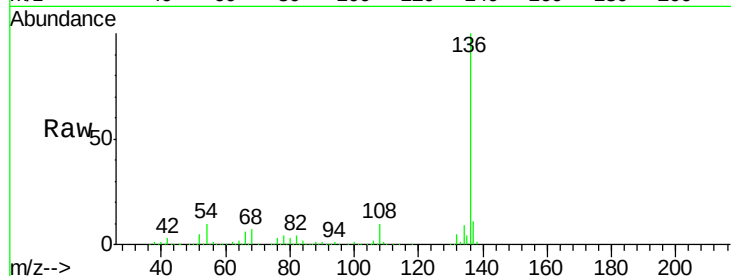
Acq: 13 Feb 2018 11:54

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	713030
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.9 13.3
54	10.3	6.6 9.8#
68	7.0	5.0 7.4



#23

Nitrobenzene-d5

Concen: 86.22 ng

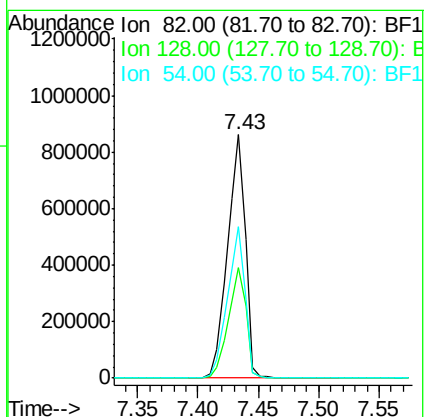
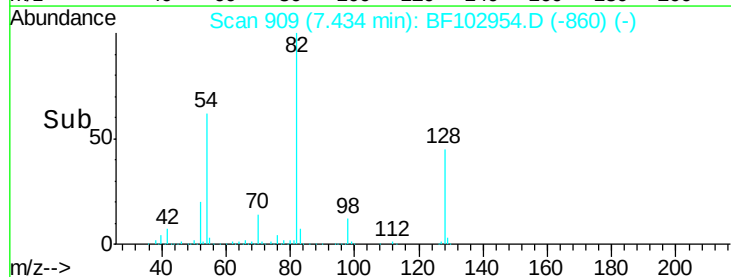
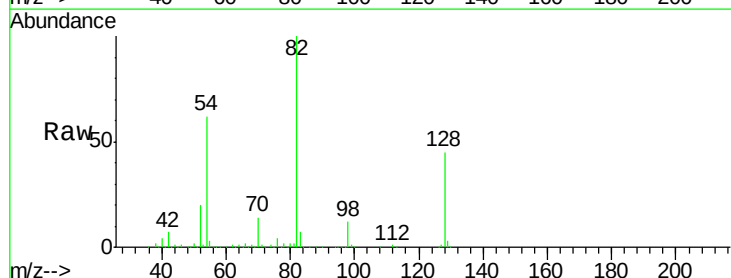
RT: 7.43 min Scan# 909

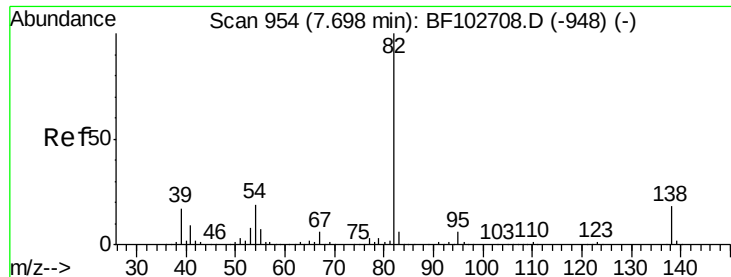
Delta R.T. -0.01 min

Lab File: BF102954.D

Acq: 13 Feb 2018 11:54

Tgt Ion: 82	Resp:	886228
Ion	Ratio	Lower Upper
82	100	
128	45.4	36.1 54.1
54	62.1	41.4 62.2

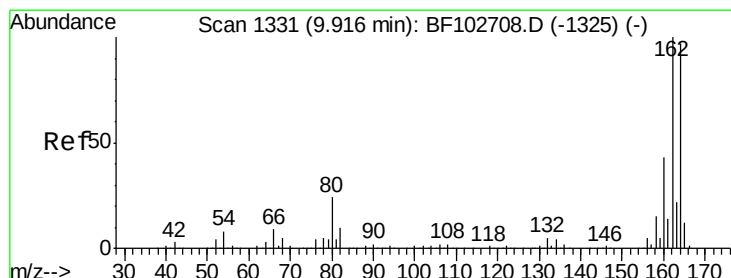
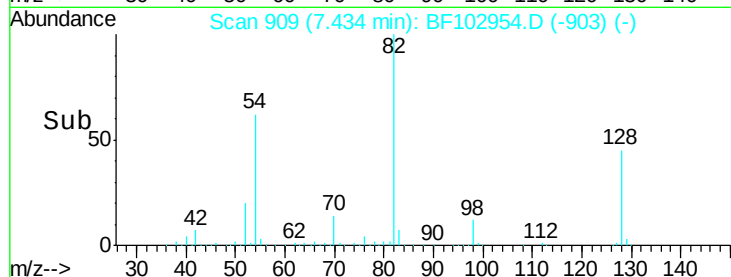
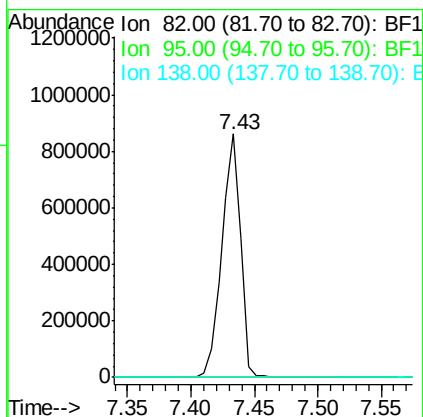
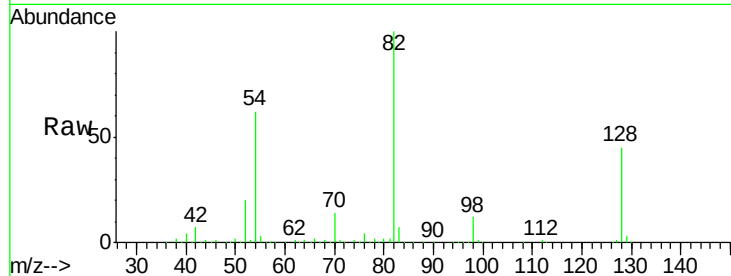




#25
Isophorone
Concen: 37.44 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF102954.D
Acq: 13 Feb 2018 11:54

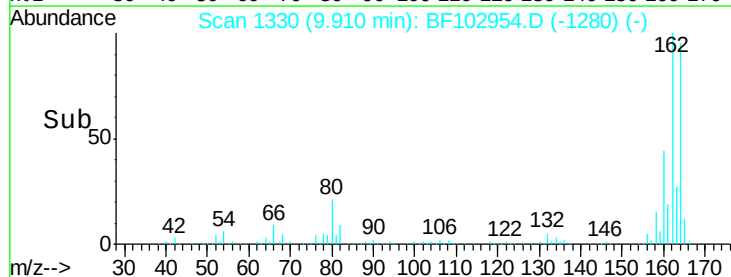
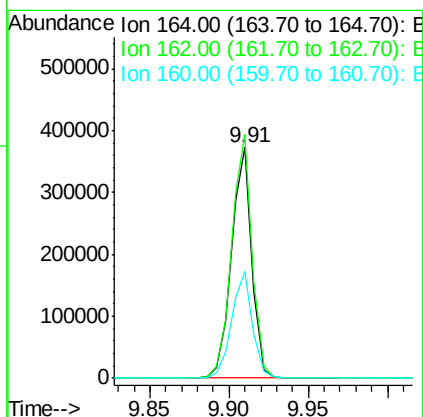
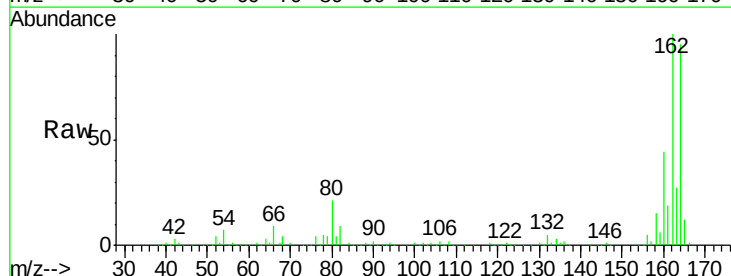
Instrument :
BNA_F
ClientSampleID :

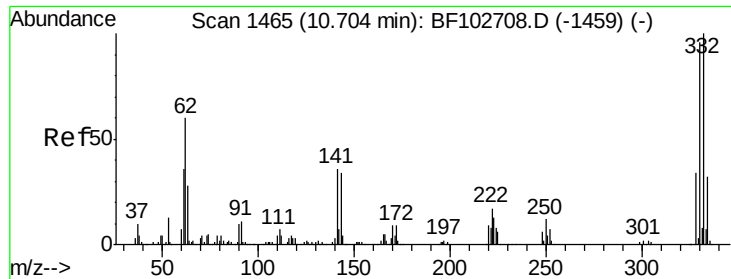
Tot Ion: 82 Resp: 886216
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF102954.D
Acq: 13 Feb 2018 11:54

Tgt Ion: 164 Resp: 328614
Ion Ratio Lower Upper
164 100
162 105.7 86.1 129.1
160 46.5 38.3 57.5

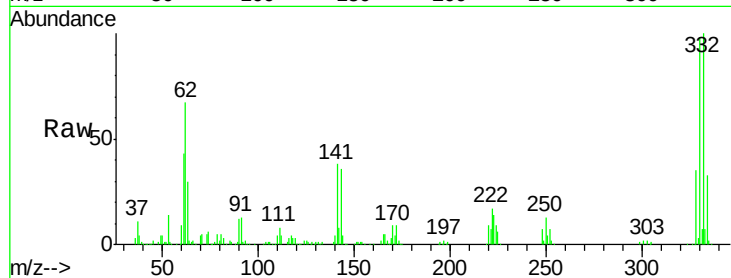




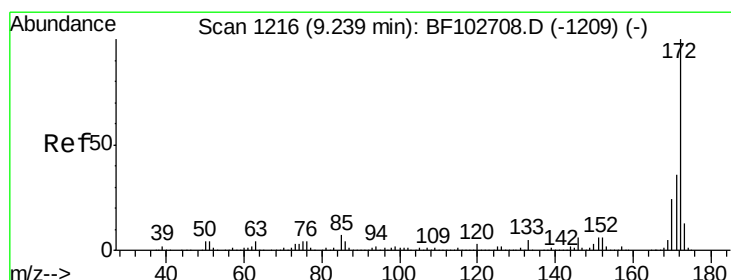
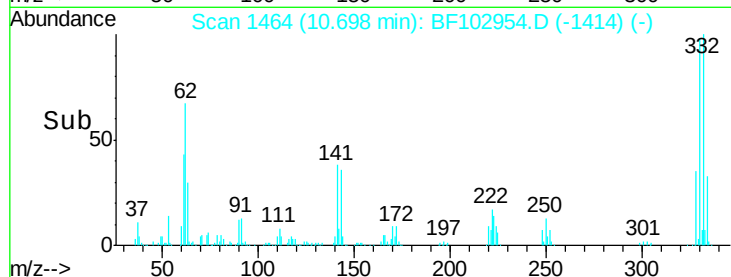
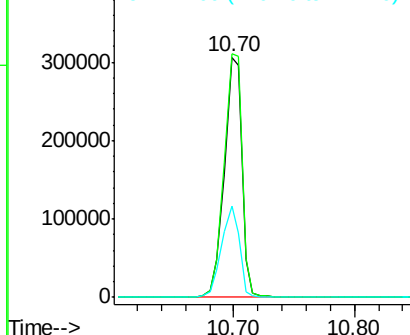
#41
 2,4,6-Tribromophenol
 Concen: 117.32 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF102954.D
 Acq: 13 Feb 2018 11:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.5	77.0	115.6
141	38.5	29.9	44.9

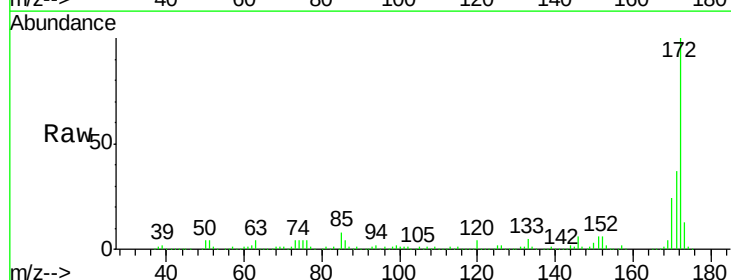


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

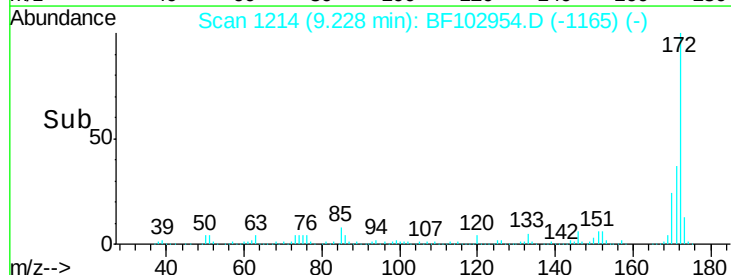
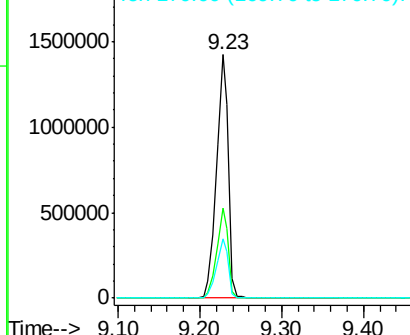


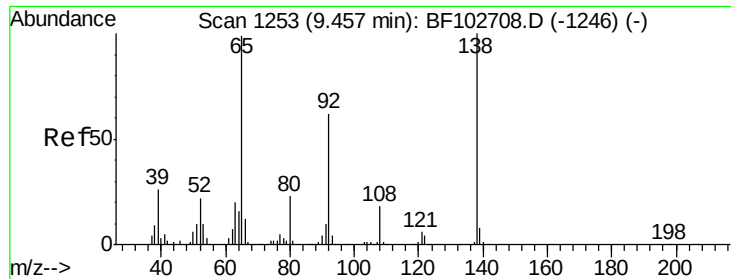
#44
 2-Fluorobiphenyl
 Concen: 72.95 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF102954.D
 Acq: 13 Feb 2018 11:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.3	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: 3.88 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.23 min

Lab File: BF102954.D

Acq: 13 Feb 2018 11:54

Instrument :

BNA_F

ClientSampleId :

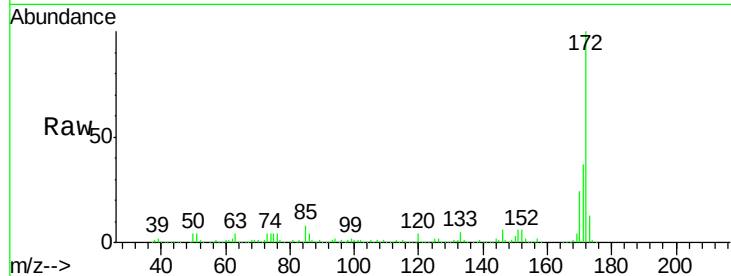
Tot Ion: 65 Resp: 2945

Ion Ratio Lower Upper

65 100

92 170.0 55.8 83.6#

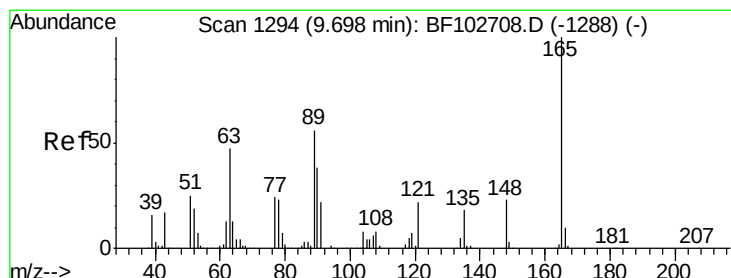
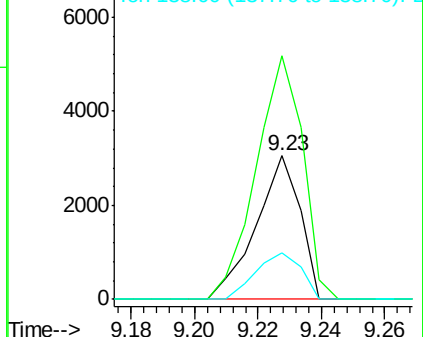
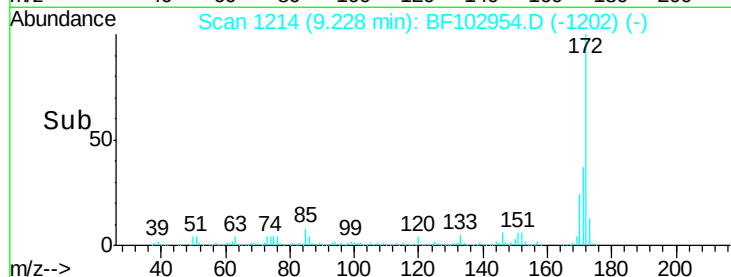
138 32.2 91.2 136.8#



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: 8.64 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF102954.D

Acq: 13 Feb 2018 11:54

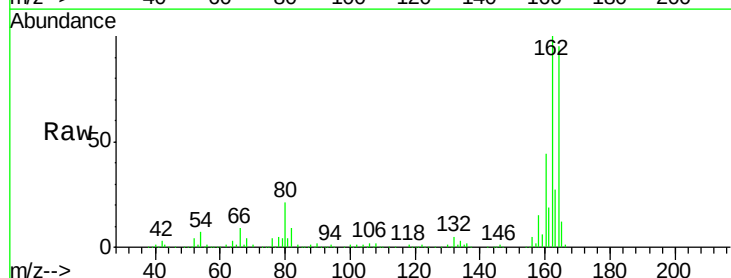
Tgt Ion:165 Resp: 42129

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

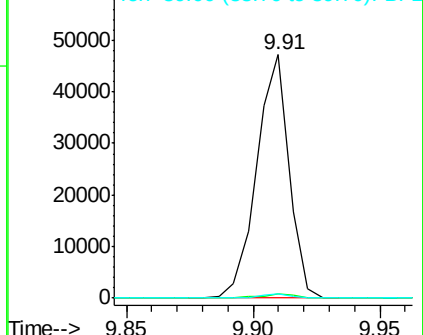
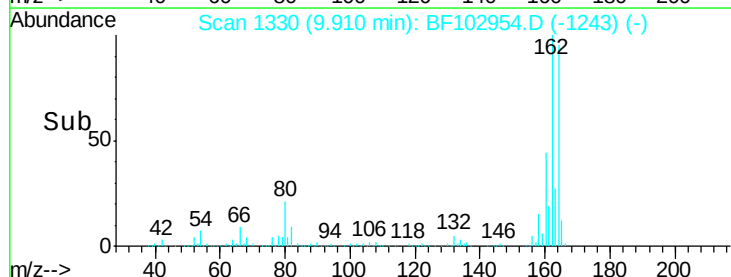
89 1.5 44.0 66.0#

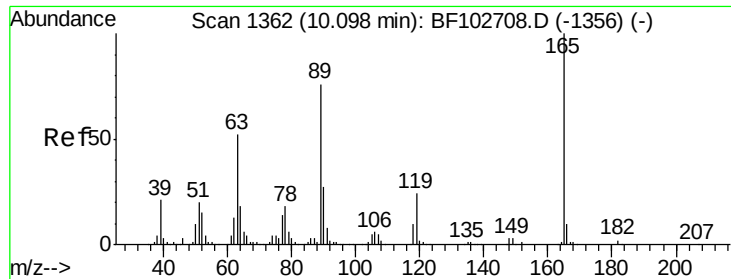


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

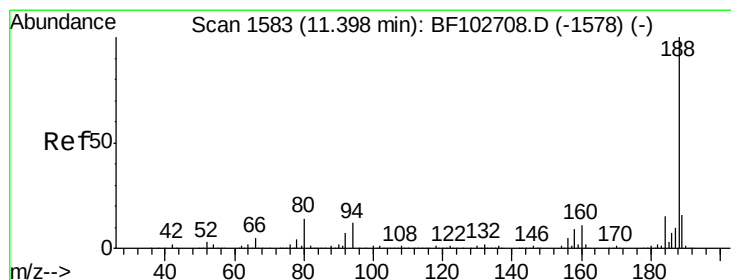
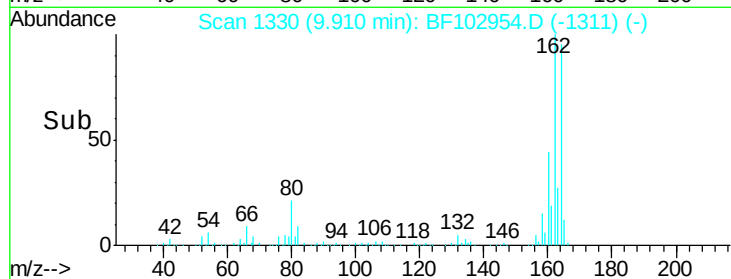
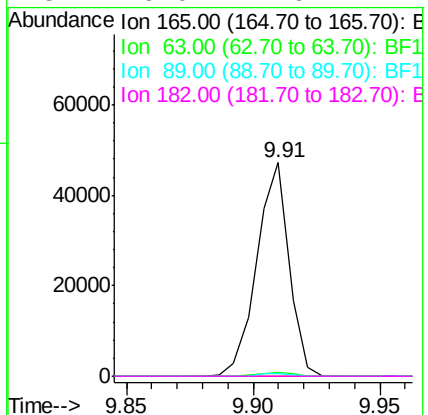
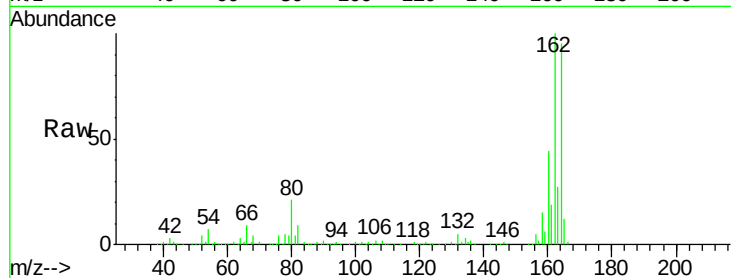




#56
 2,4-Dinitrotoluene
 Concen: 9.11 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.19 min
 Lab File: BF102954.D
 Acq: 13 Feb 2018 11:54

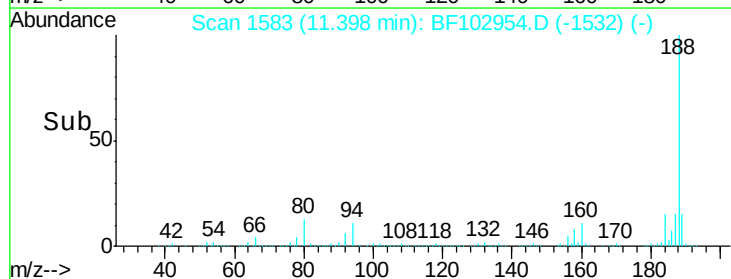
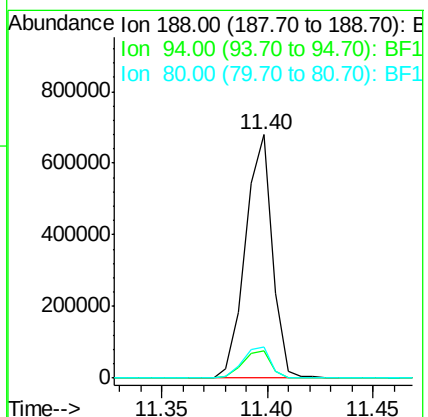
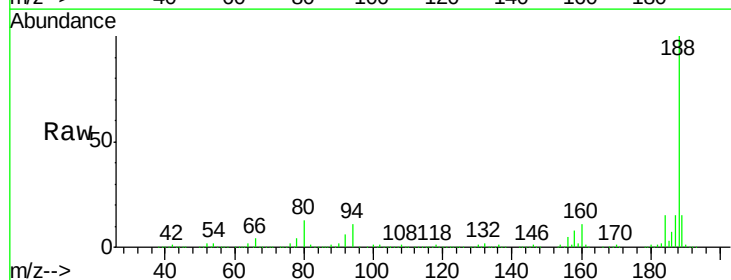
Instrument :
 BNA_F
 ClientSampleId :

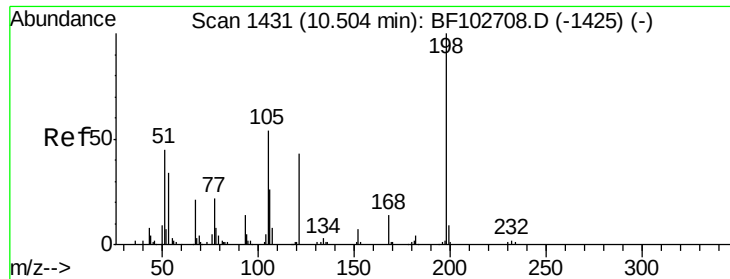
Tot Ion:165 Resp: 42129
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BF102954.D
 Acq: 13 Feb 2018 11:54

Tgt Ion:188 Resp: 600854
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 12.7 9.2 13.8

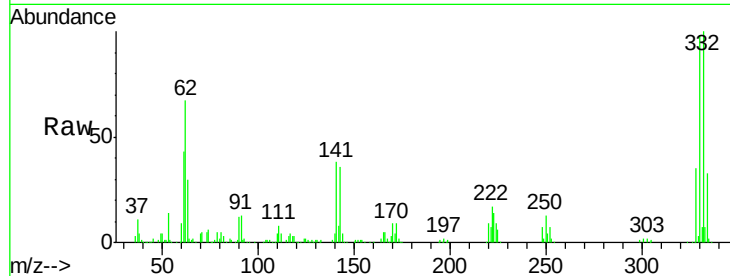




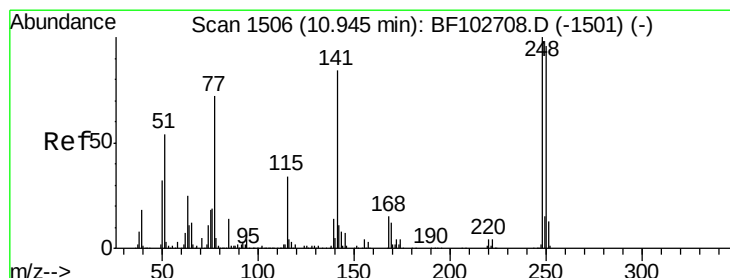
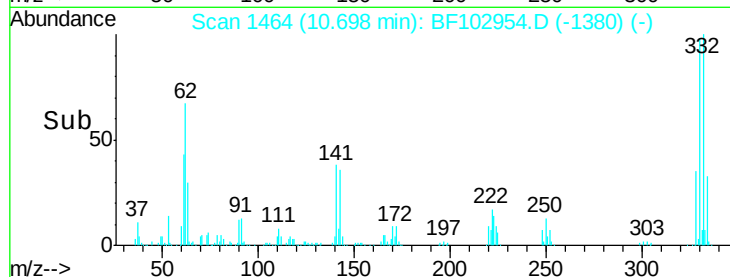
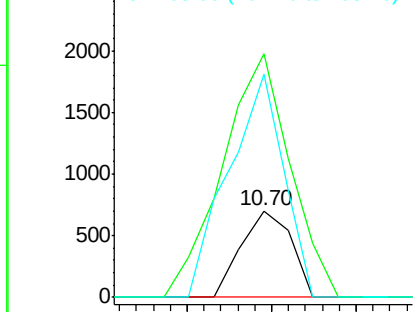
#64
4,6-Dinitro-2-methylphenol
Concen: 9.00 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.20 min
Lab File: BF102954.D
Acq: 13 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 575
Ion Ratio Lower Upper
198 100
51 282.0 37.7 77.7#
105 258.7 36.3 76.3#

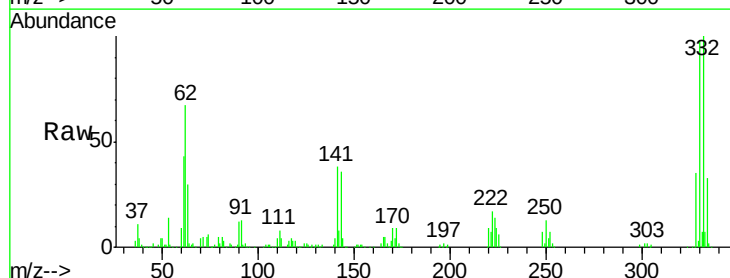


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

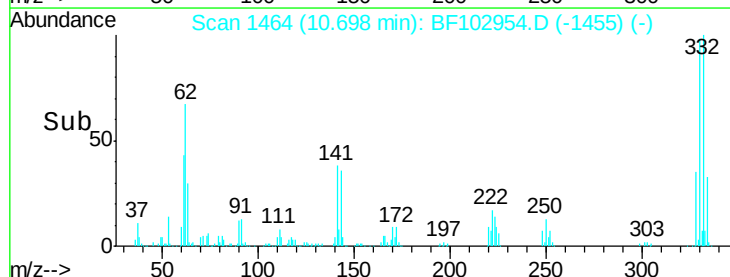
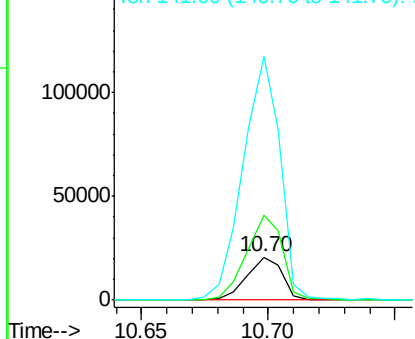


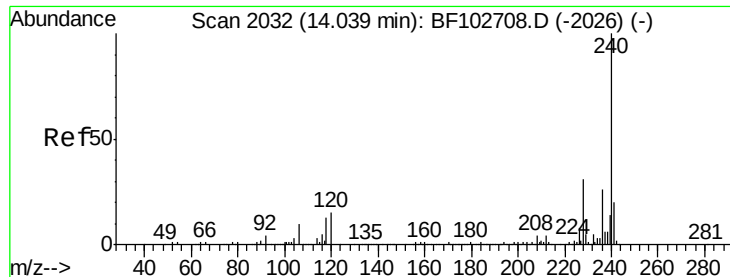
#66
4-Bromophenyl-phenylether
Concen: 3.17 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF102954.D
Acq: 13 Feb 2018 11:54

Tgt Ion:248 Resp: 20171
Ion Ratio Lower Upper
248 100
250 196.0 76.9 115.3#
141 563.9 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: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF102954.D

Acq: 13 Feb 2018 11:54

Instrument :

BNA_F

ClientSampleId :

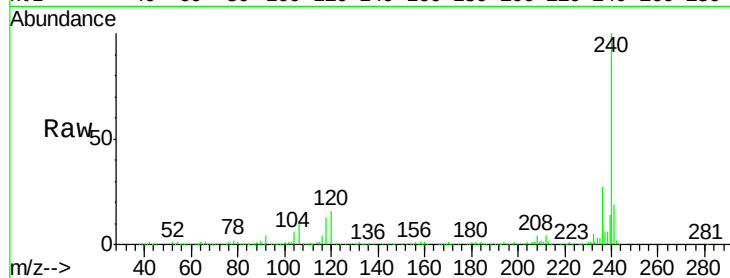
Tot Ion:240 Resp: 480317

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

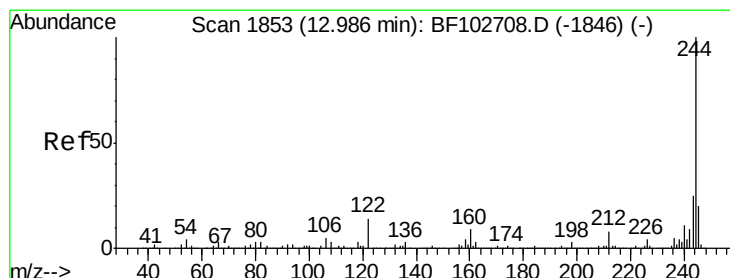
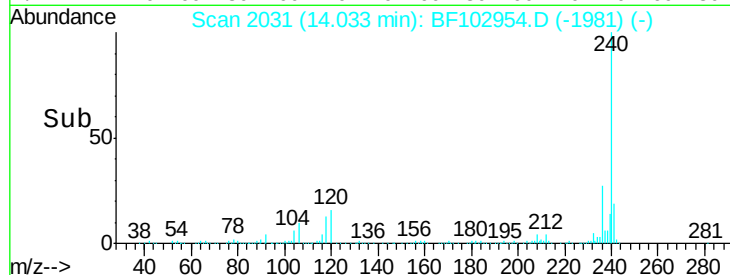
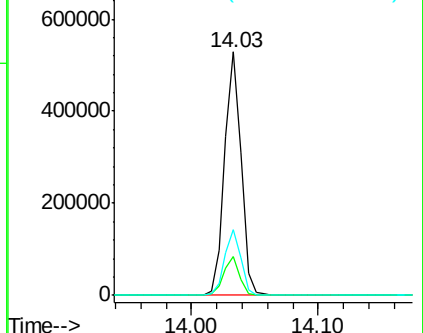
236 26.8 20.7 31.1



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: 72.54 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF102954.D

Acq: 13 Feb 2018 11:54

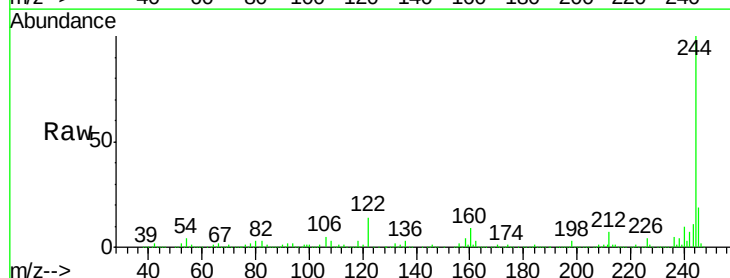
Tgt Ion:244 Resp: 1471546

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

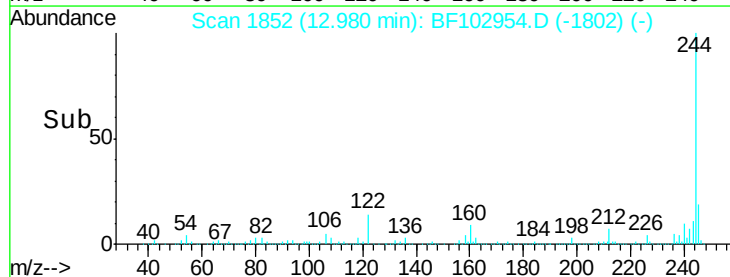
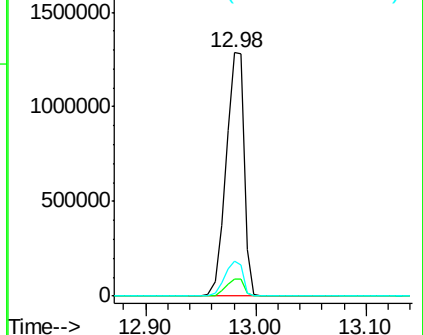
122 14.3 11.0 16.4

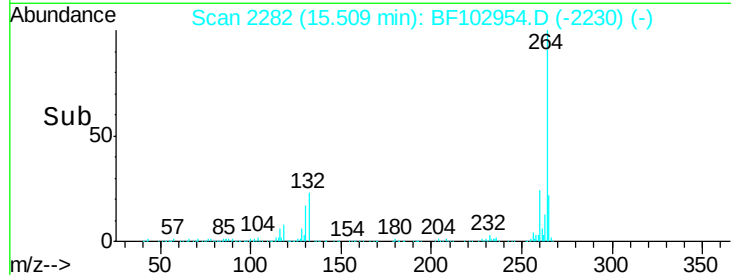
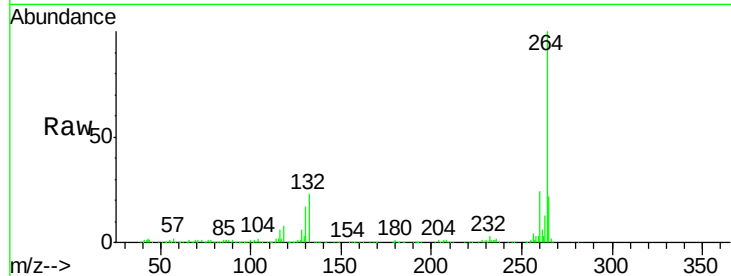
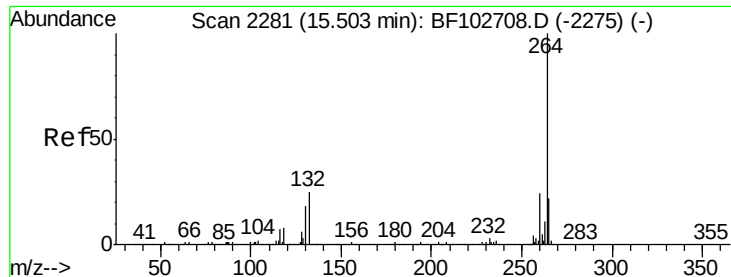


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF102954.D
Acq: 13 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	400992
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	21.8	17.5	26.3

