

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
 Data File : BF102901.D
 Acq On : 9 Feb 2018 20:53
 Operator : SJ/JU
 Sample : J1506-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 09 22:09:34 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 12:44:16 2018
 Response via : Initial Calibration

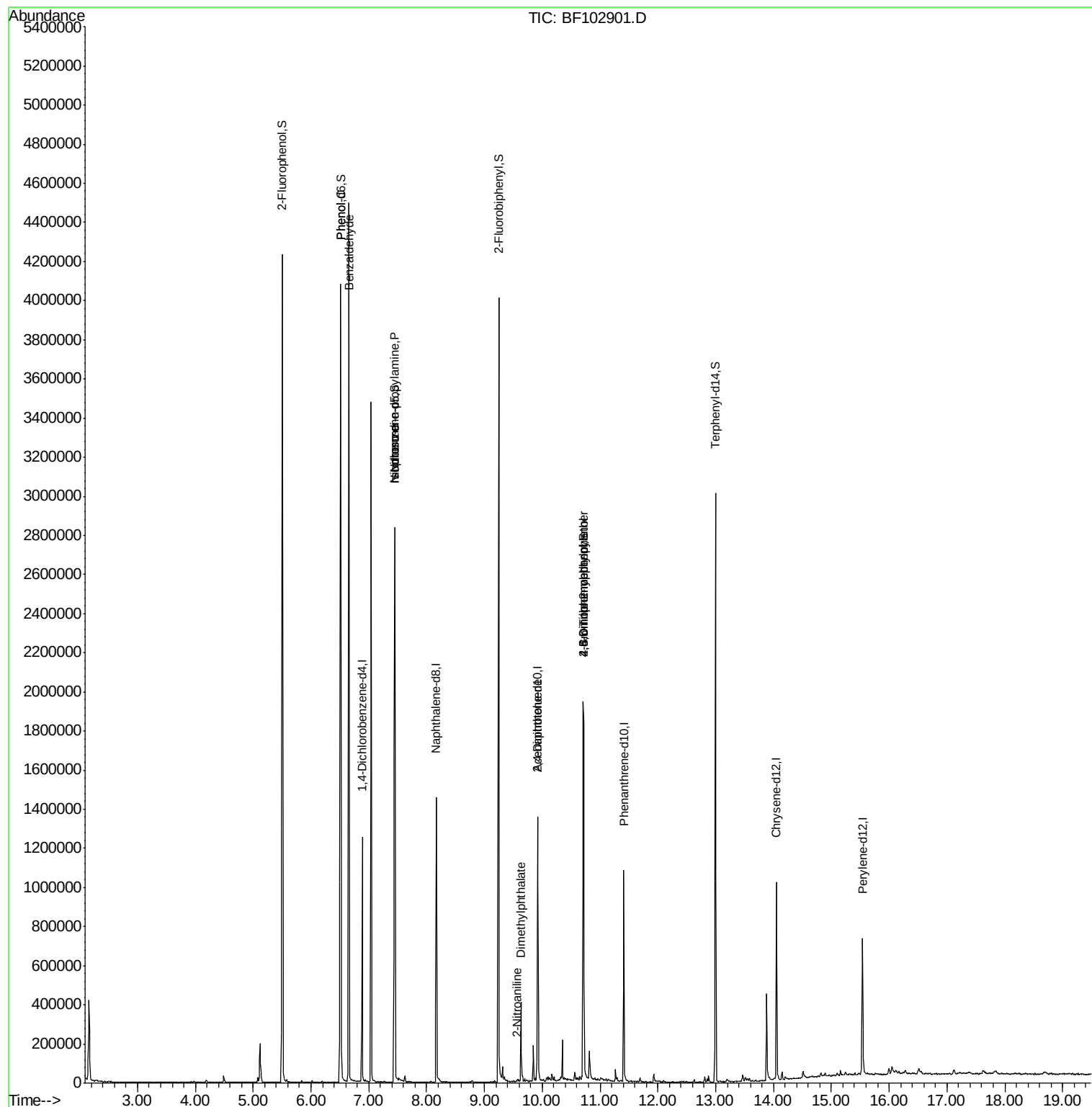
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	164401	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	654854	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	257295	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	366085	20.00	ng	0.00
75) Chrysene-d12	14.05	240	322244	20.00	ng	0.00
86) Perylene-d12	15.54	264	309247	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1269878	117.31	ng	0.01
7) Phenol-d6	6.52	99	1467645	112.60	ng	0.01
23) Nitrobenzene-d5	7.45	82	977372	103.54	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	227728	109.96	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1340155	86.43	ng	0.00
78) Terphenyl-d14	13.00	244	957946	70.39	ng	0.00
Target Compounds						
9) Benzaldehyde	6.66	77	28295	2.92	ng	82
10) Phenol	6.52	94	37444	2.68	ng	# 66
19) n-Nitroso-di-n-propylamine	7.45	70	131461	15.30	ng	# 86
24) Nitrobenzene	7.49	77	258	Below Cal		# 38
25) Isophorone	7.45	82	977510	44.97	ng	# 64
47) 2-Nitroaniline	9.55	65	106	3.49	ng	# 2
49) Dimethylphthalate	9.63	163	145067	7.23	ng	99
56) 2,4-Dinitrotoluene	9.92	165	31857	8.90	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.72	198	386	9.03	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	14778	3.82	ng	# 1

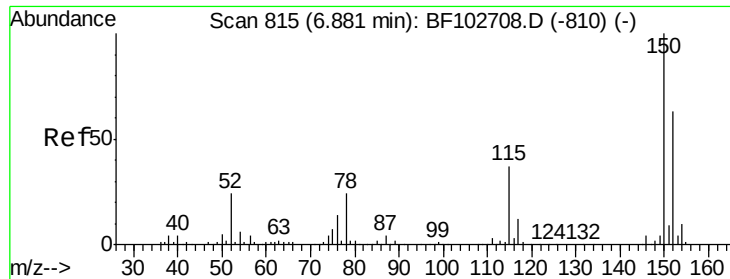
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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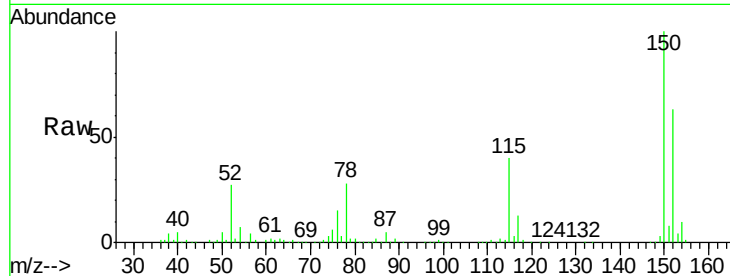


#1

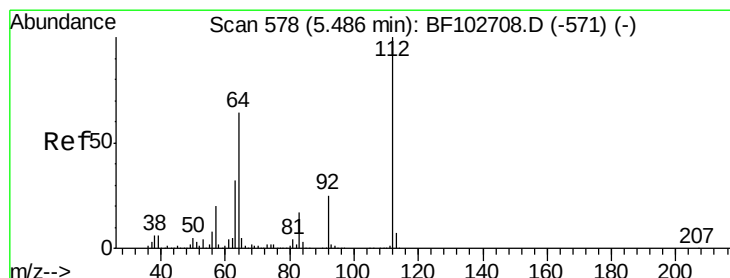
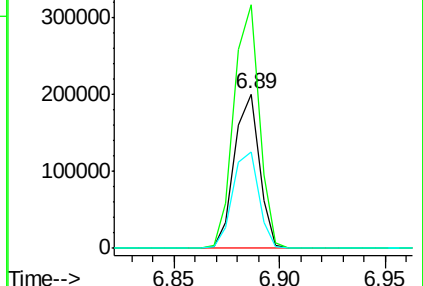
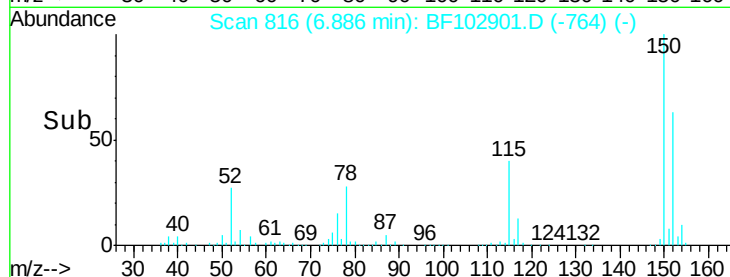
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102901.D
Acq: 9 Feb 2018 20:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164401
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 62.9 50.1 75.1



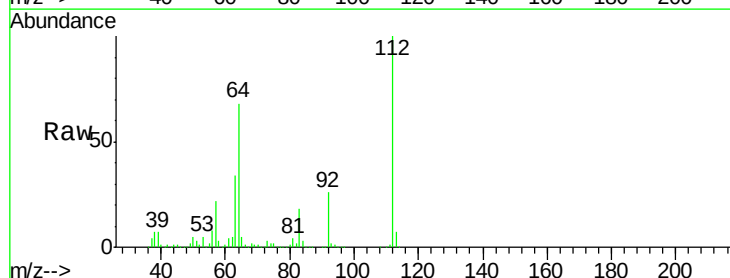
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



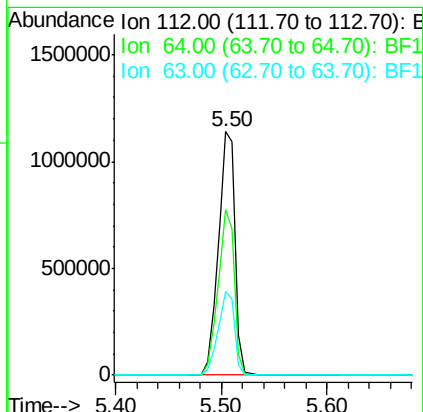
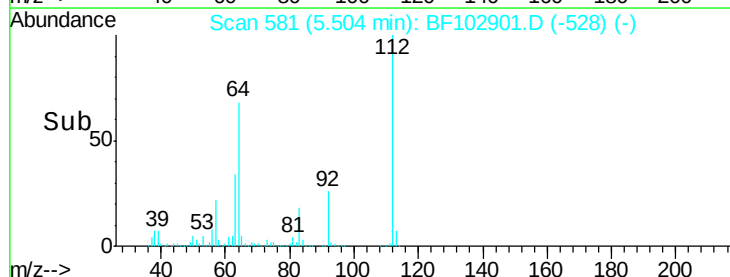
#5

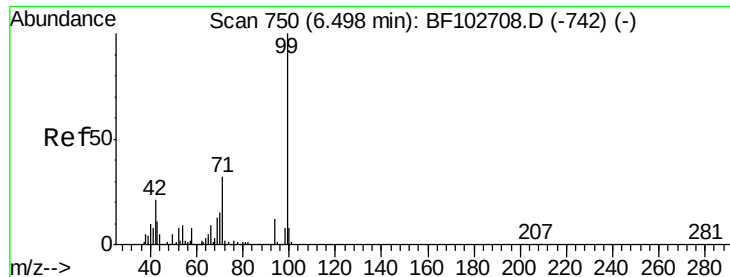
2-Fluorophenol
Concen: 117.31 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102901.D
Acq: 9 Feb 2018 20:53

Tgt Ion:112 Resp: 1269878
Ion Ratio Lower Upper
112 100
64 67.8 47.9 71.9
63 34.3 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: 112.60 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102901.D

Acq: 9 Feb 2018 20:53

Instrument :

BNA_F

ClientSampleId :

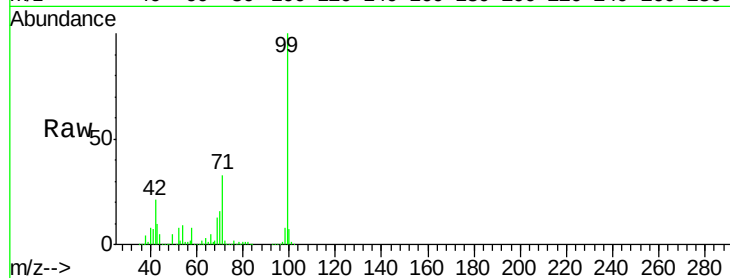
Tot Ion: 99 Resp: 1467645

Ion Ratio Lower Upper

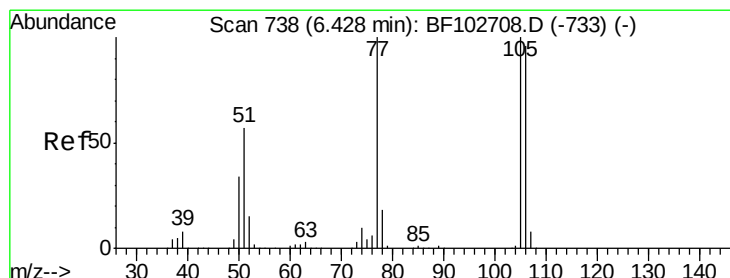
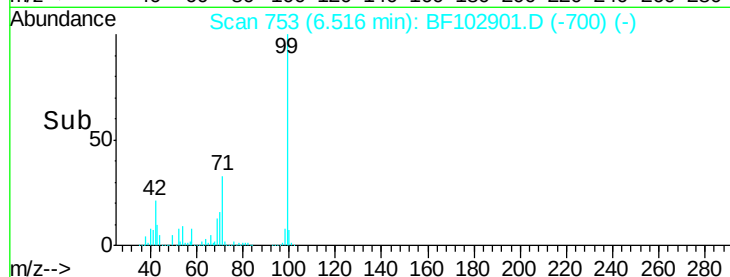
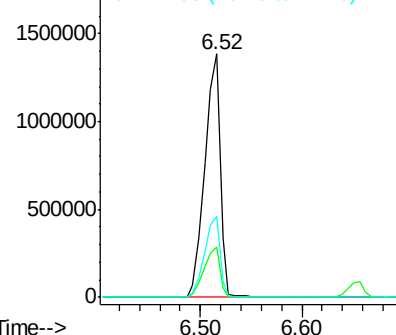
99 100

42 20.6 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



#9

Benzaldehyde

Concen: 2.92 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF102901.D

Acq: 9 Feb 2018 20:53

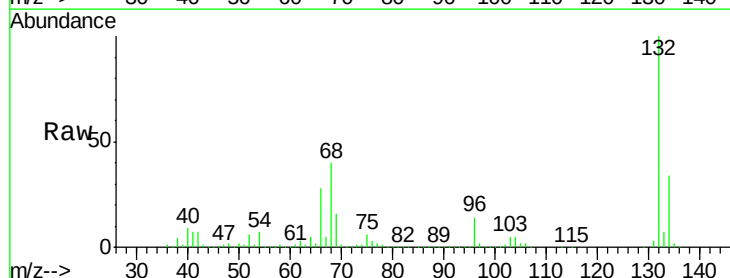
Tgt Ion: 77 Resp: 28295

Ion Ratio Lower Upper

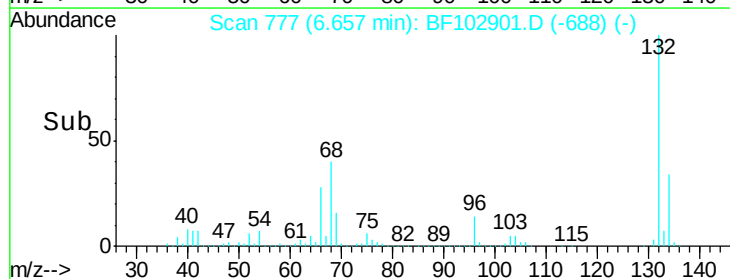
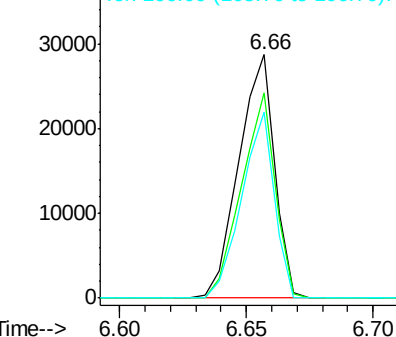
77 100

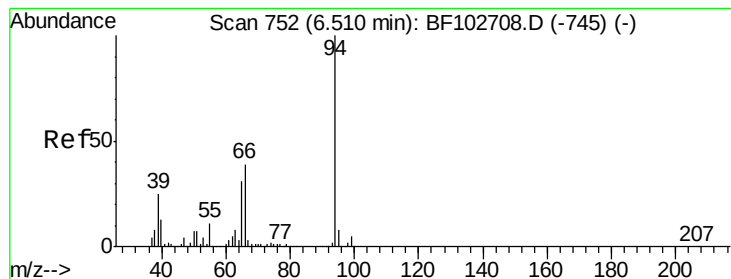
105 84.2 81.1 121.1

106 76.5 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





#10

Phenol

Concen: 2.68 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF102901.D

Acq: 9 Feb 2018 20:53

Instrument :

BNA_F

ClientSampleId :

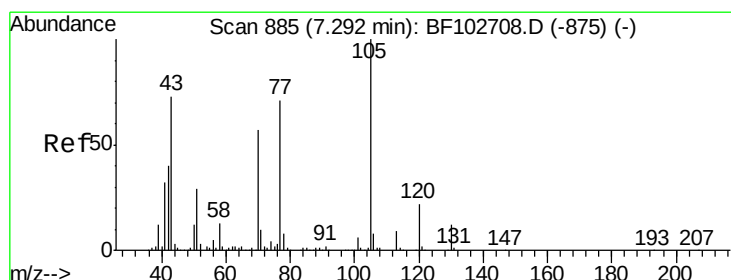
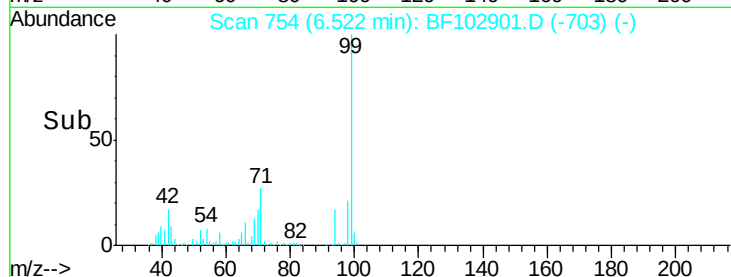
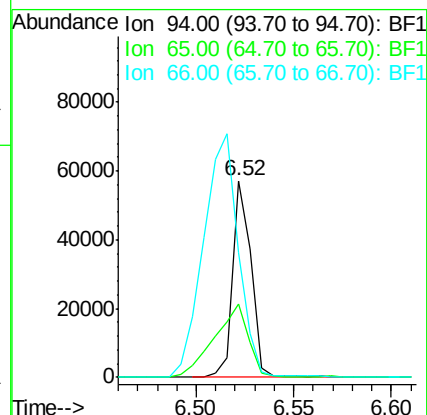
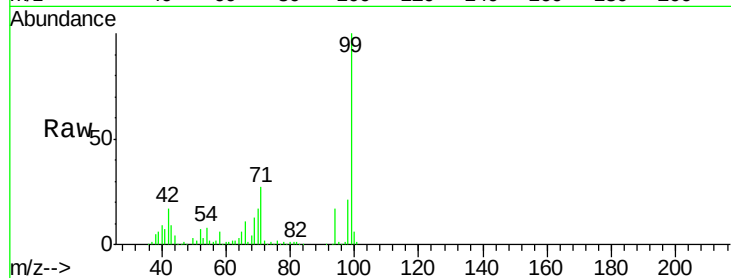
Tot Ion: 94 Resp: 37444

Ion Ratio Lower Upper

94 100

65 37.5 7.9 47.9

66 63.2 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 15.30 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102901.D

Acq: 9 Feb 2018 20:53

Tgt Ion: 70 Resp: 131461

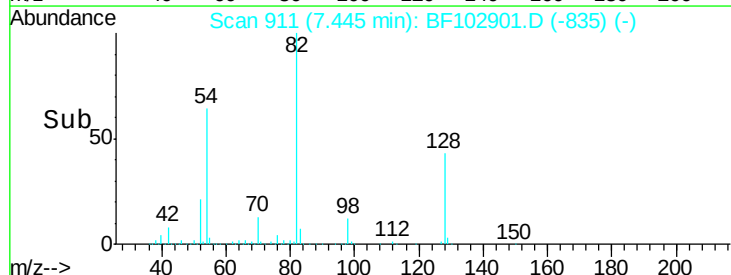
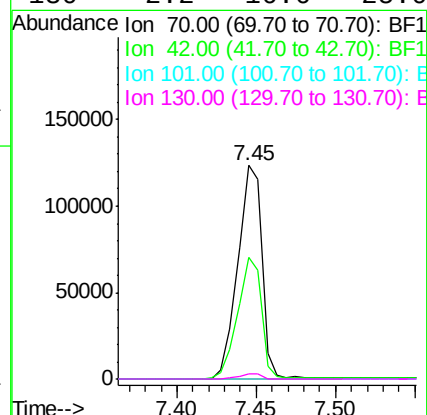
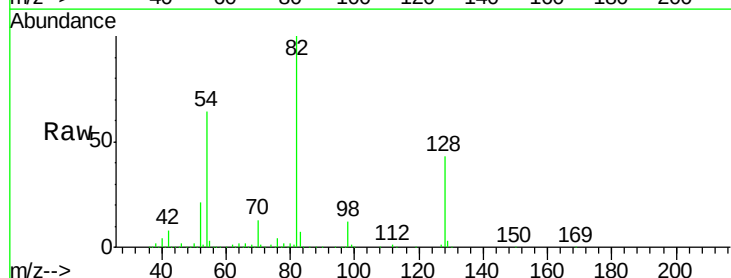
Ion Ratio Lower Upper

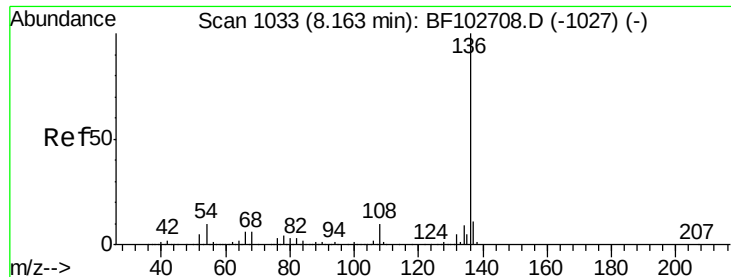
70 100

42 56.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

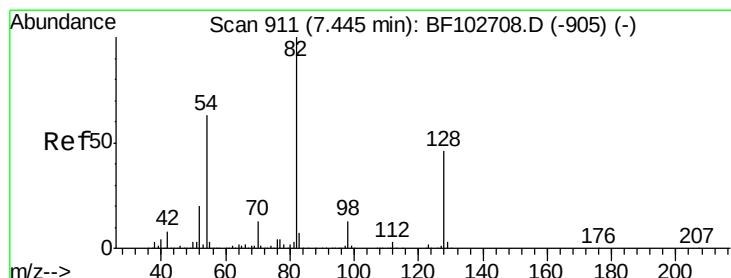
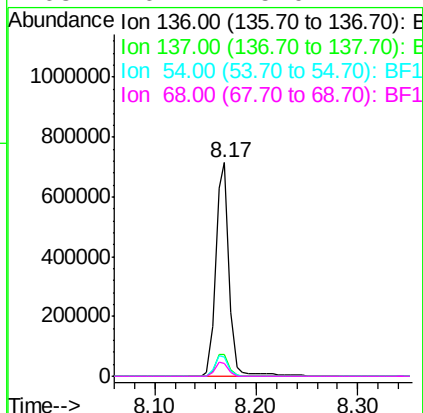
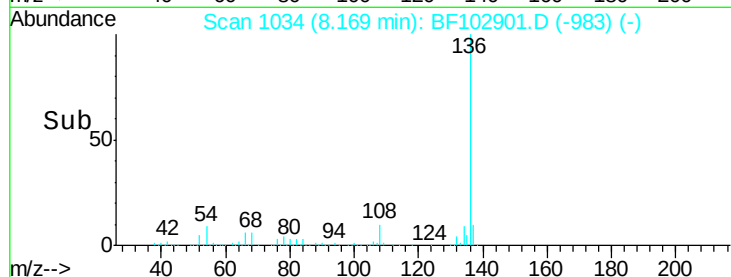
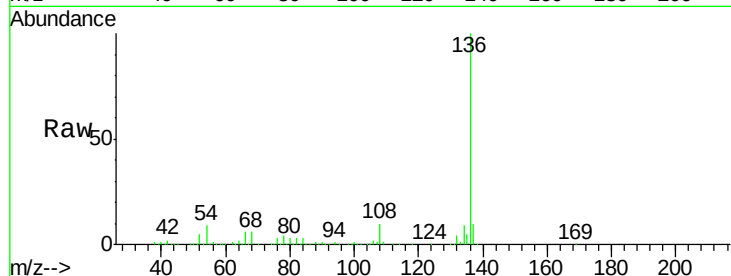




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF102901.D
Acq: 9 Feb 2018 20:53

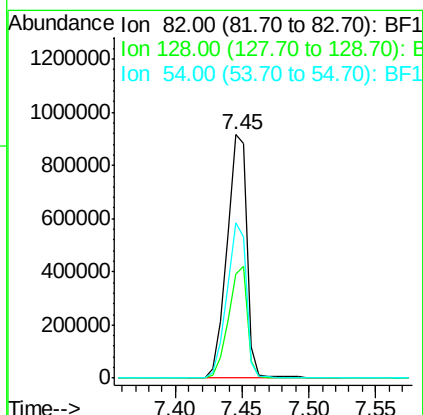
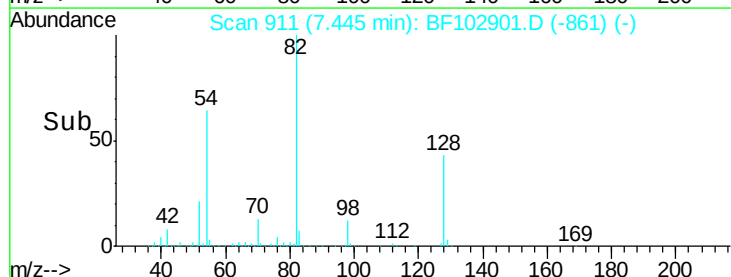
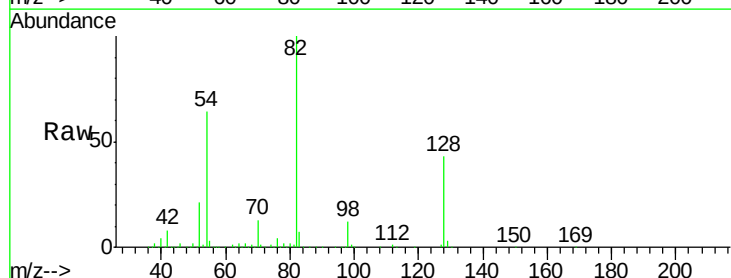
Instrument :
BNA_F
ClientSampleId :

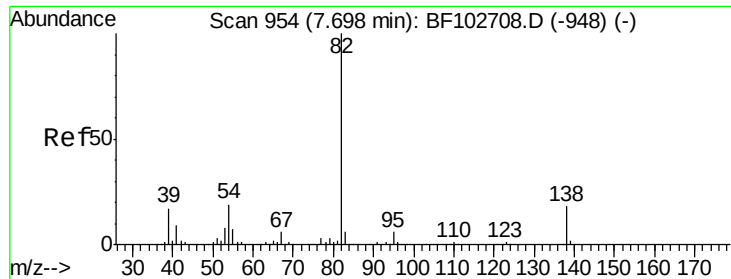
Tot Ion:136	Resp:	654854
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.9 13.3
54	9.0	6.6 9.8
68	6.1	5.0 7.4



#23
Nitrobenzene-d5
Concen: 103.54 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102901.D
Acq: 9 Feb 2018 20:53

Tgt Ion: 82	Resp:	977372
Ion	Ratio	Lower Upper
82	100	
128	42.7	36.1 54.1
54	63.6	41.4 62.2





#25

Isophorone

Concen: 44.97 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102901.D

Acq: 9 Feb 2018 20:53

Instrument :

BNA_F

ClientSampleId :

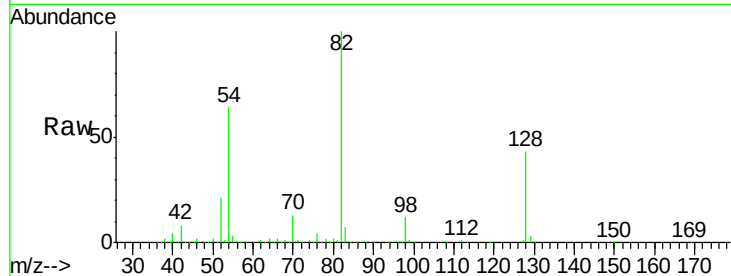
Tot Ion: 82 Resp: 977510

Ion Ratio Lower Upper

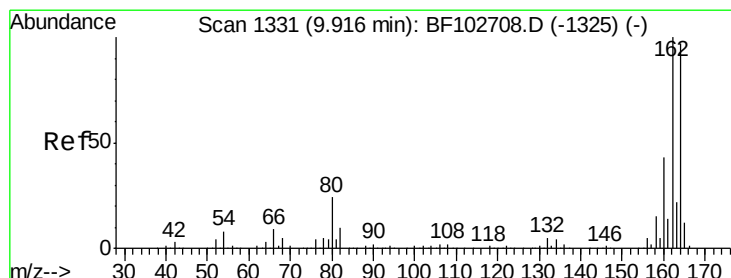
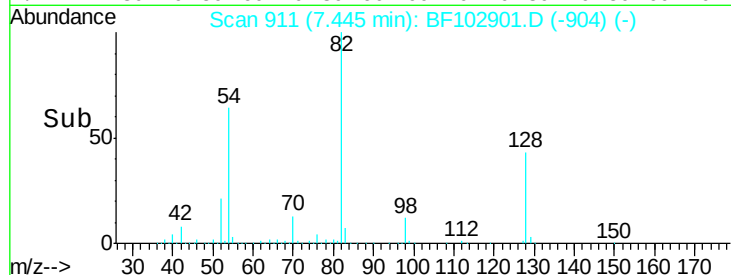
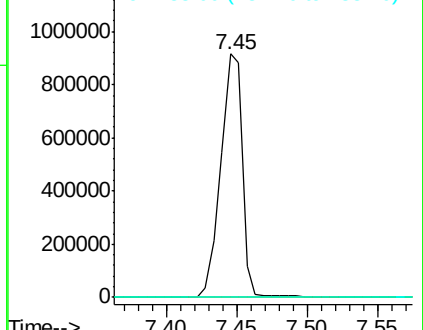
82 100

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: 20.00 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF102901.D

Acq: 9 Feb 2018 20:53

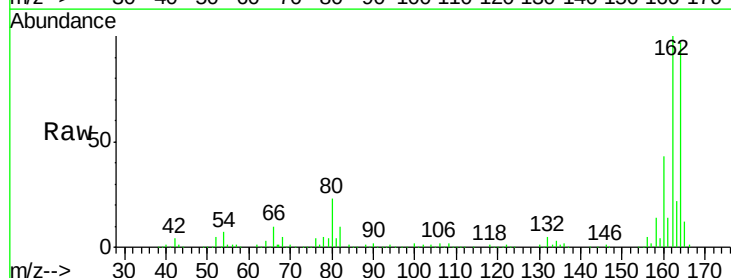
Tgt Ion:164 Resp: 257295

Ion Ratio Lower Upper

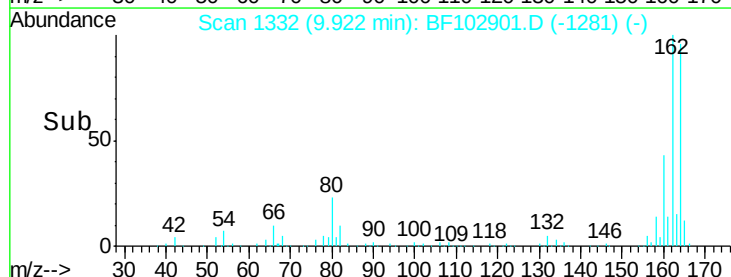
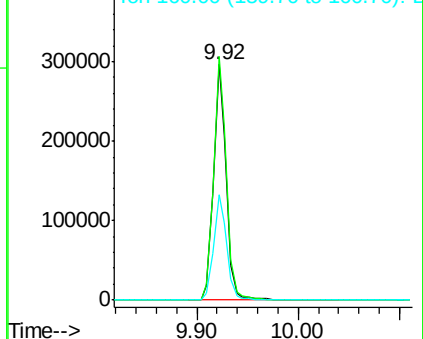
164 100

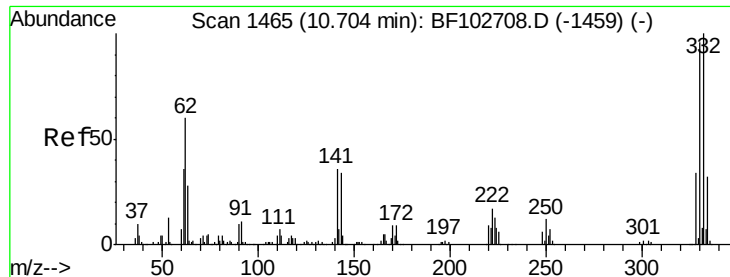
162 103.3 86.1 129.1

160 44.7 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

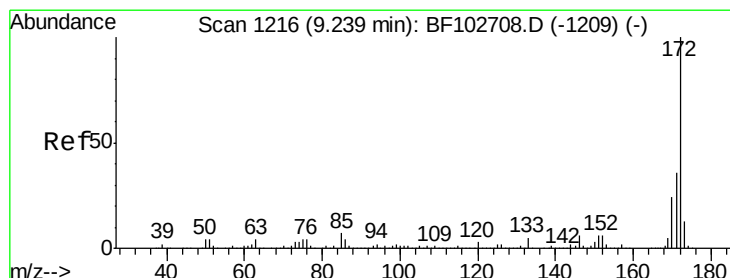
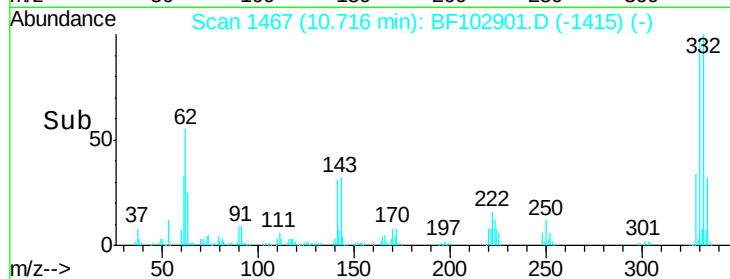
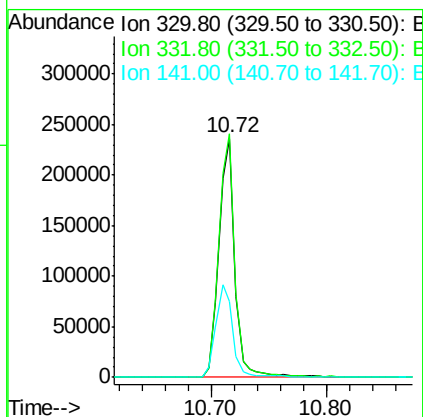
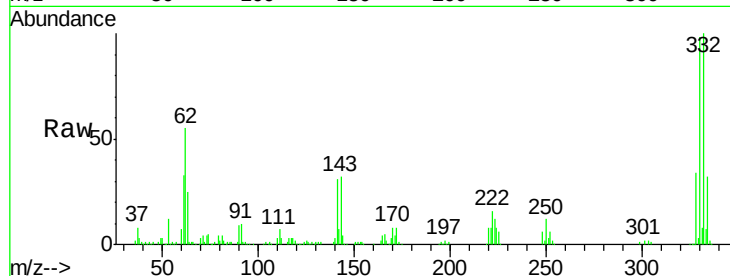




#41
 2,4,6-Tribromophenol
 Concen: 109.96 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102901.D
 Acq: 9 Feb 2018 20:53

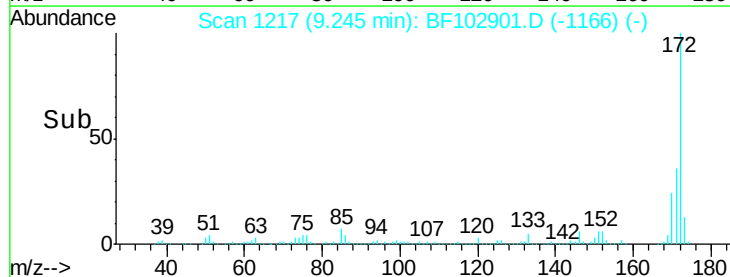
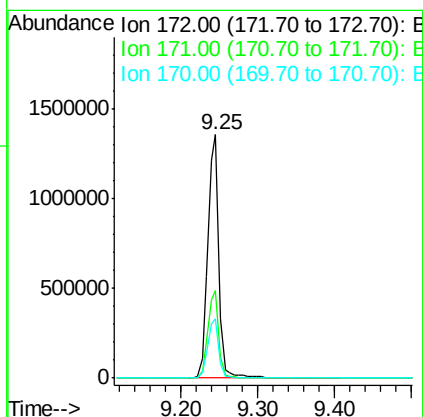
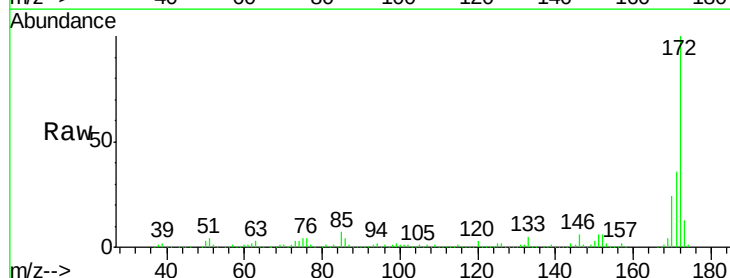
Instrument :
 BNA_F
 ClientSampleId :

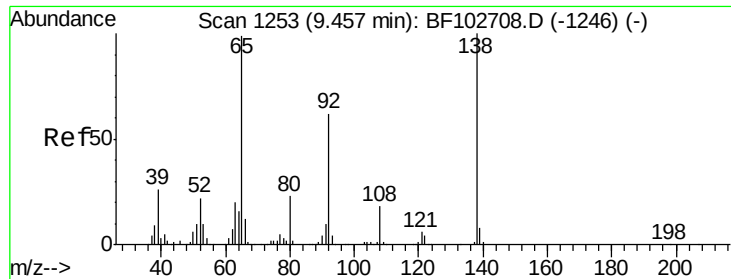
Tot Ion	Ratio	Lower	Upper
330	100		
332	103.3	77.0	115.6
141	41.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 86.43 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: BF102901.D
 Acq: 9 Feb 2018 20:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.5	19.6	29.4

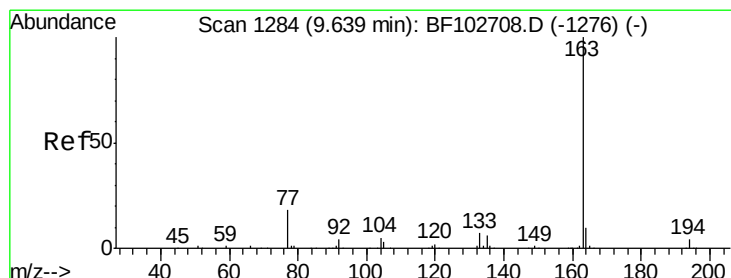
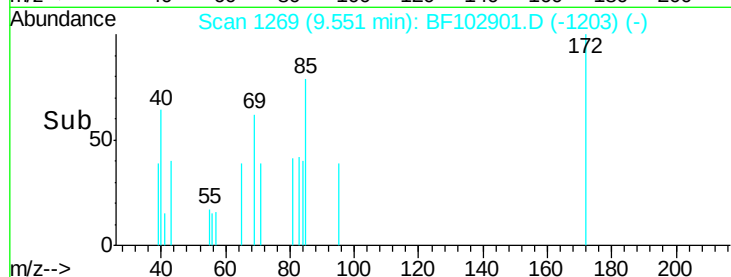
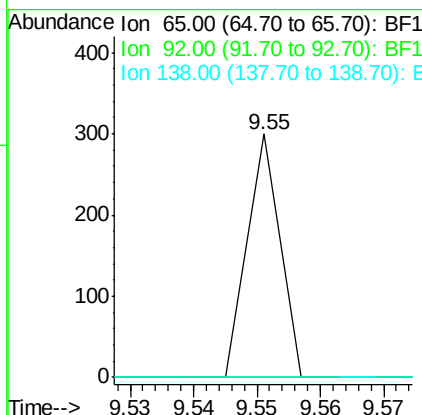
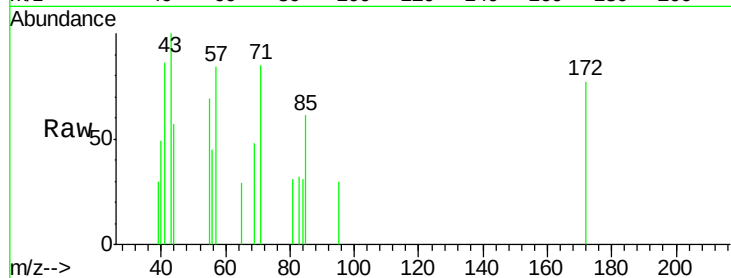




#47
 2-Nitroaniline
 Concen: 3.49 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. 0.09 min
 Lab File: BF102901.D
 Acq: 9 Feb 2018 20:53

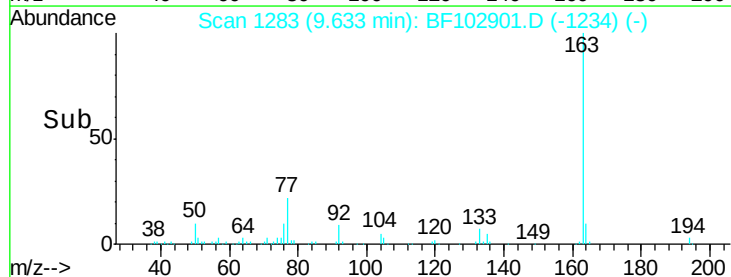
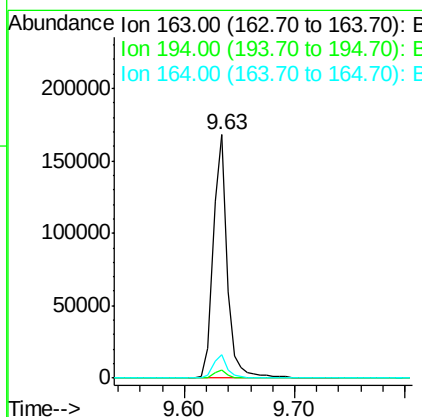
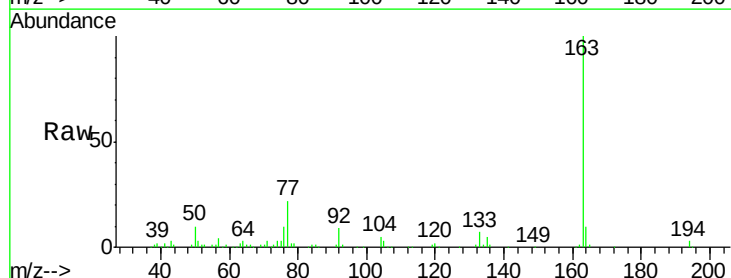
Instrument :
 BNA_F
 ClientSampleId :

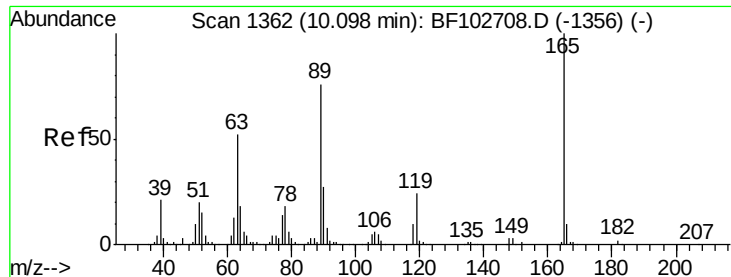
Tot Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#



#49
 Dimethylphthalate
 Concen: 7.23 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF102901.D
 Acq: 9 Feb 2018 20:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	9.8	8.2	12.2

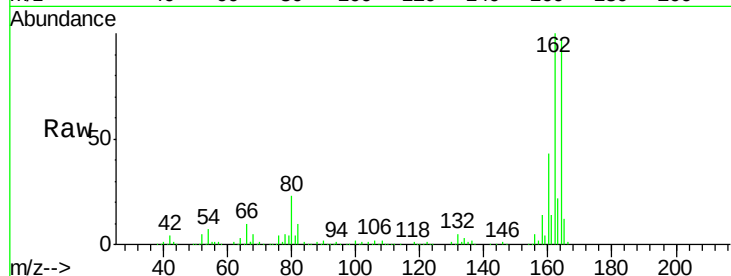




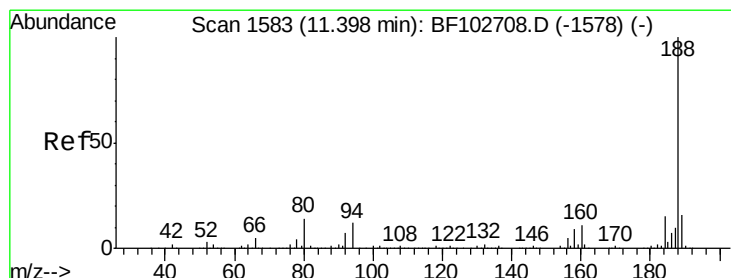
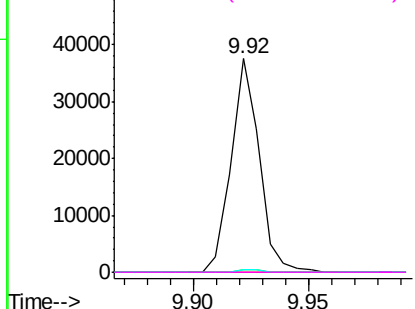
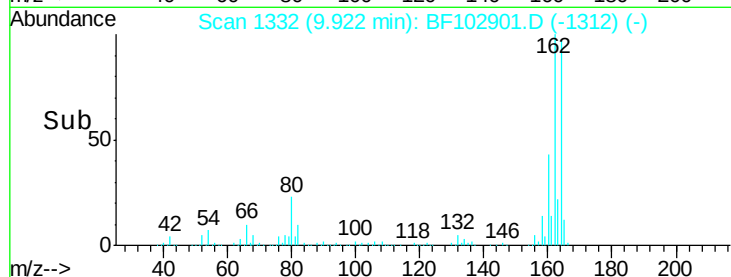
#56
 2,4-Dinitrotoluene
 Concen: 8.90 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102901.D
 Acq: 9 Feb 2018 20:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#

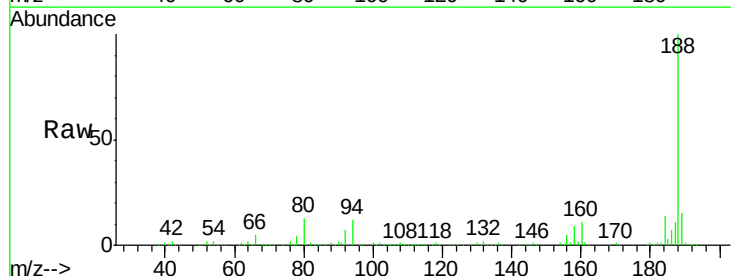


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

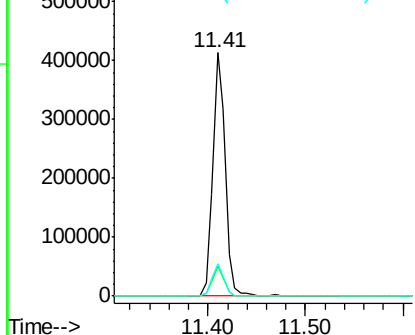
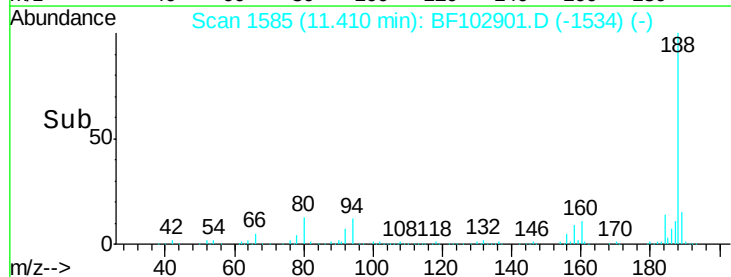


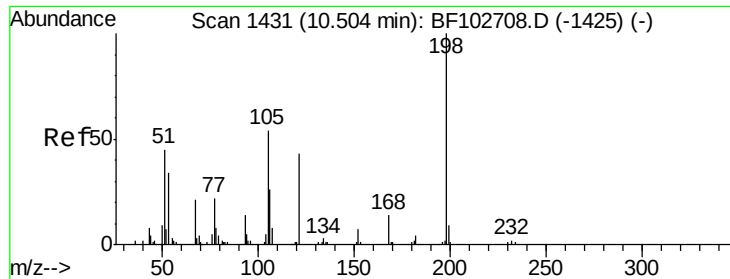
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF102901.D
 Acq: 9 Feb 2018 20:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.4	8.5	12.7
80	13.4	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

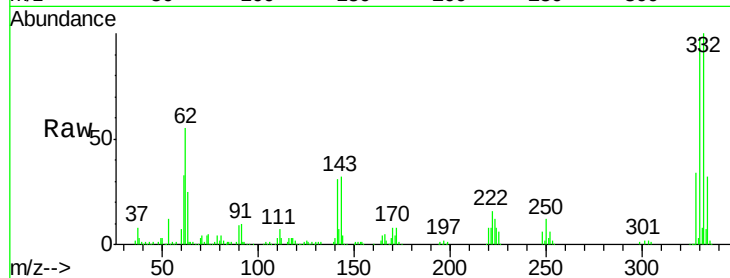




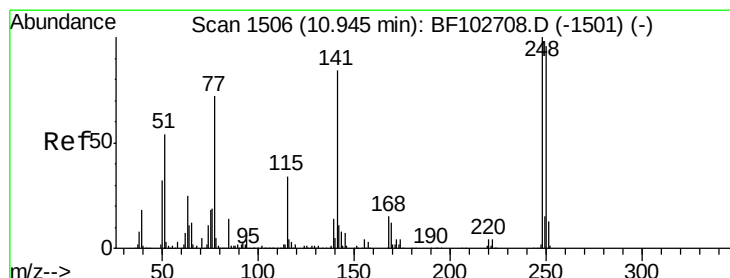
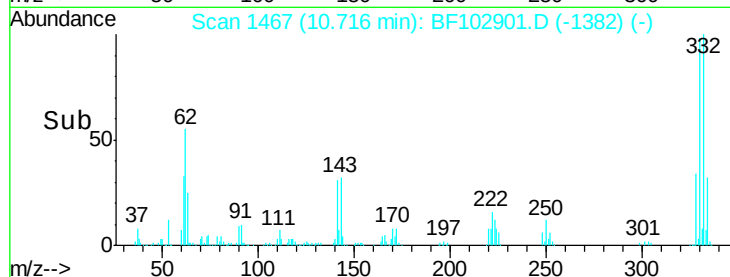
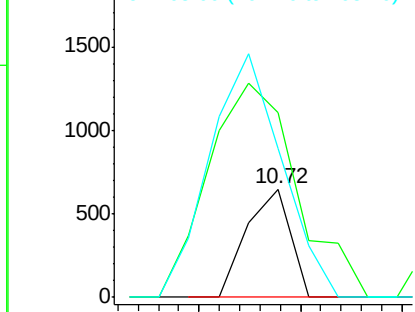
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.03 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.20 min
 Lab File: BF102901.D
 Acq: 9 Feb 2018 20:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 386
 Ion Ratio Lower Upper
 198 100
 51 171.5 37.7 77.7#
 105 138.4 36.3 76.3#

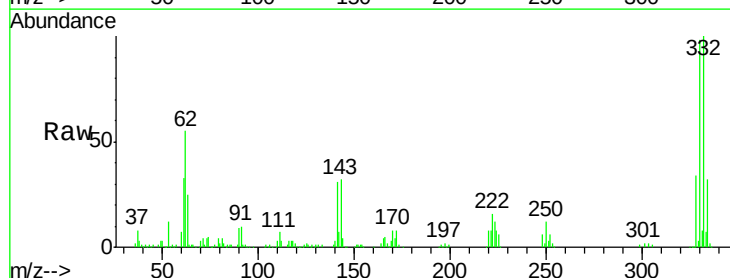


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

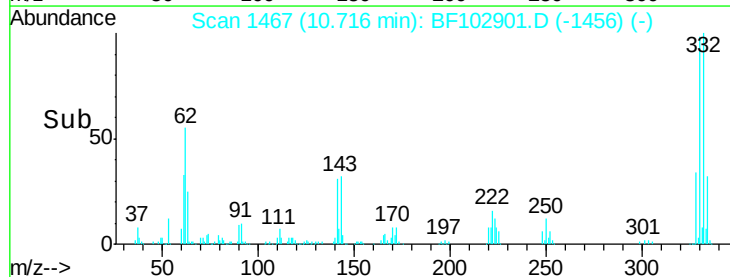
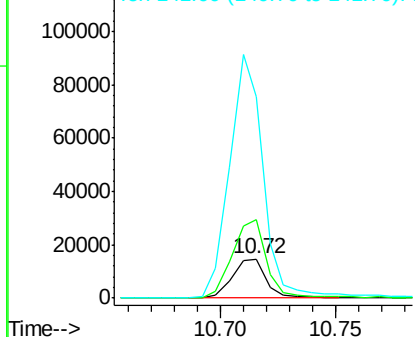


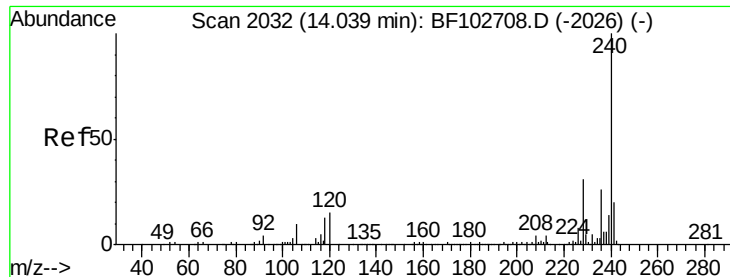
#66
 4-Bromophenyl-phenylether
 Concen: 3.82 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF102901.D
 Acq: 9 Feb 2018 20:53

Tgt Ion:248 Resp: 14778
 Ion Ratio Lower Upper
 248 100
 250 200.7 76.9 115.3#
 141 515.9 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: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102901.D

Acq: 9 Feb 2018 20:53

Instrument :

BNA_F

ClientSampleId :

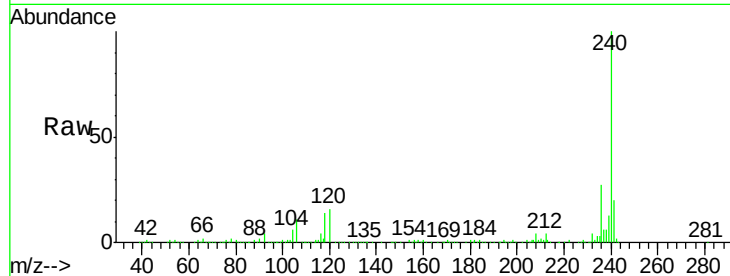
Tot Ion:240 Resp: 322244

Ion Ratio Lower Upper

240 100

120 16.4 9.5 14.3#

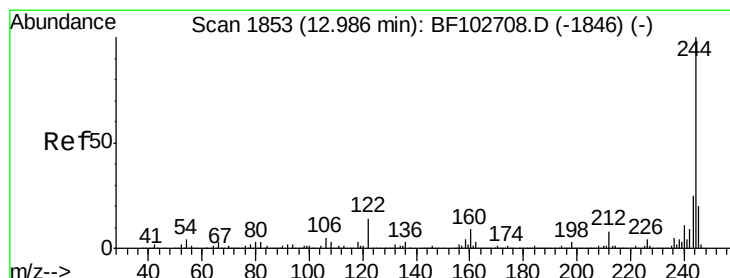
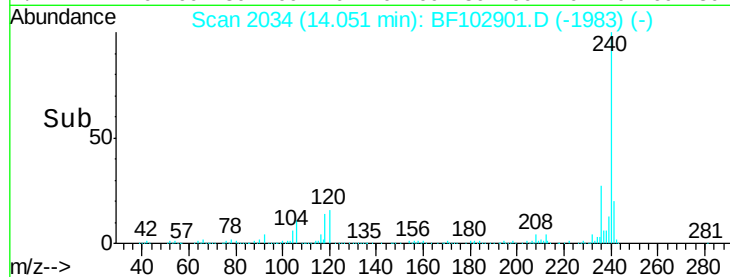
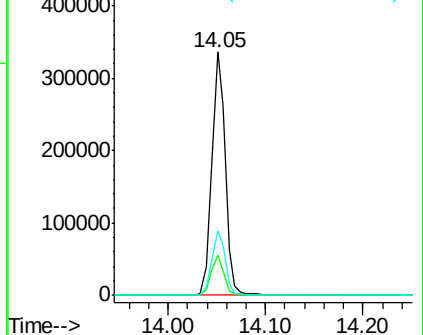
236 26.6 20.7 31.1



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: 70.39 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102901.D

Acq: 9 Feb 2018 20:53

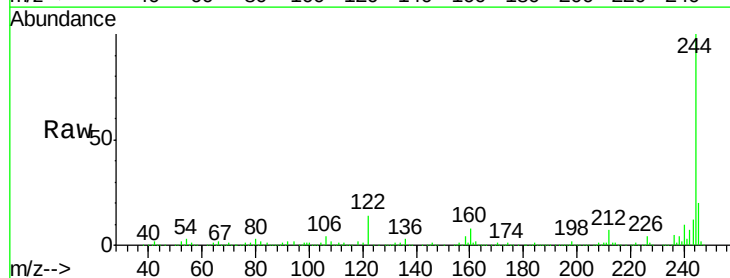
Tgt Ion:244 Resp: 957946

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

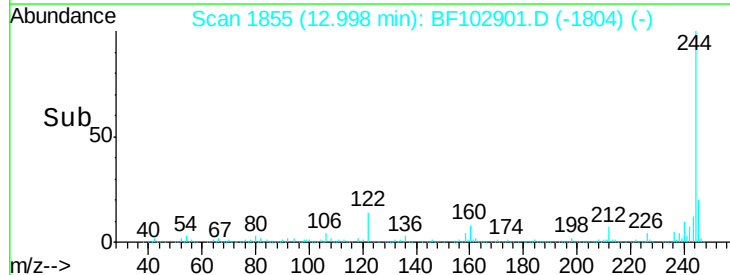
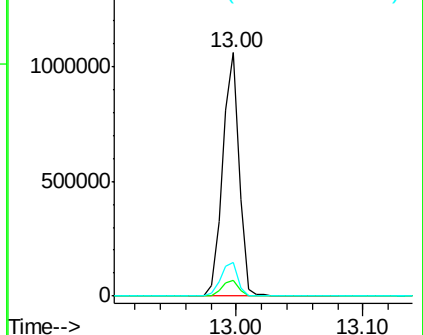
122 13.7 11.0 16.4

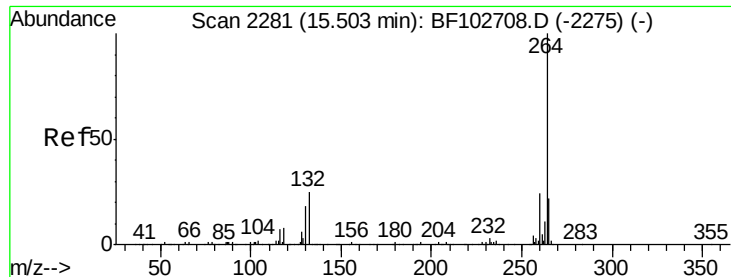


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102901.D
Acq: 9 Feb 2018 20:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.3	17.5	26.3

