

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103071.D
 Acq On : 19 Feb 2018 10:20
 Operator : SJ/JU
 Sample : PB106610BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 19 10:48:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	177511	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	741779	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	339663	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	601883	20.00	ng	0.00
75) Chrysene-d12	14.05	240	456824	20.00	ng	0.00
86) Perylene-d12	15.54	264	374140	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1278447	109.38	ng	0.02
7) Phenol-d6	6.52	99	1501434	106.68	ng	0.00
23) Nitrobenzene-d5	7.45	82	996166	93.16	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	301343	110.22	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1599475	78.14	ng	0.00
78) Terphenyl-d14	12.99	244	1501379	77.82	ng	0.00

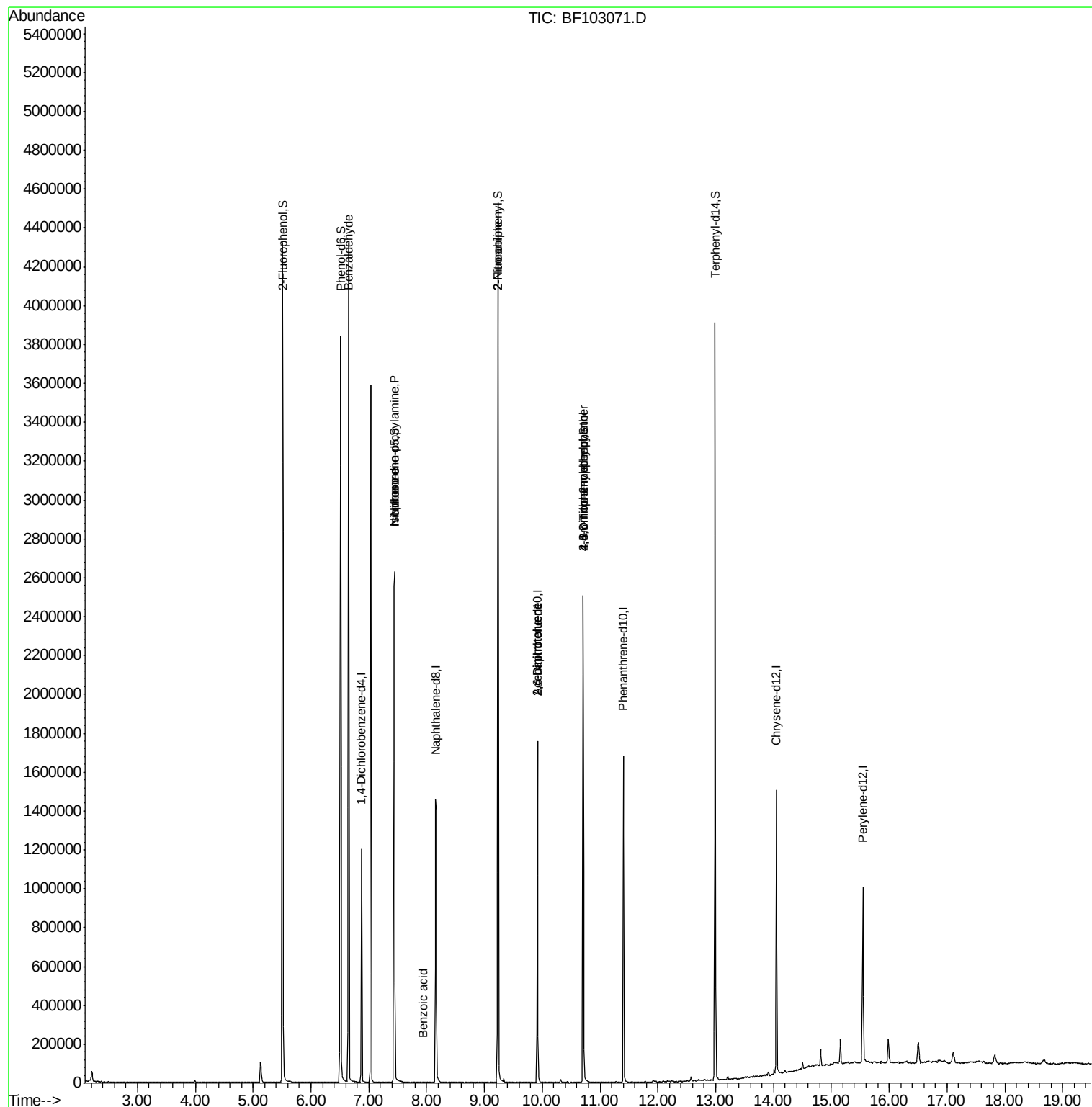
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	26695	2.554	ng	81
19) n-Nitroso-di-n-propylamine	7.45	70	129986	14.008	ng	# 80
25) Isophorone	7.45	82	996160	40.458	ng	# 64
32) Benzoic acid	7.93	122	238	8.574	ng	# 58
47) 2-Nitroaniline	9.24	65	2893	3.858	ng	# 17
50) 2,6-Dinitrotoluene	9.92	165	43491	8.631	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	43491	9.099	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	548	8.995	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	19667	3.089	ng	# 1

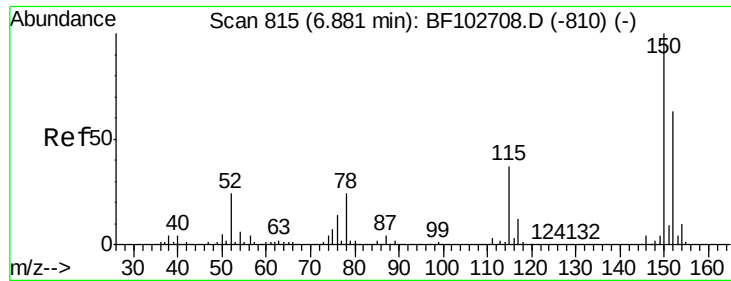
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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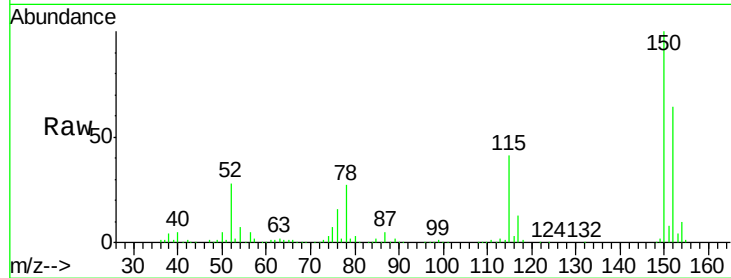


#1

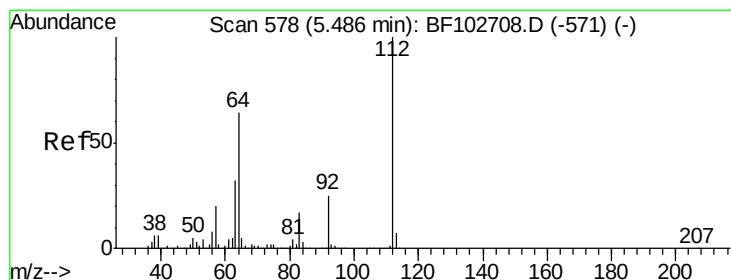
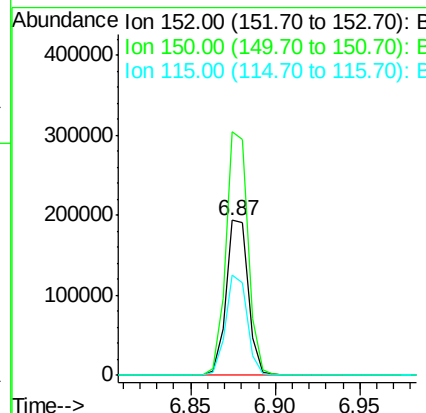
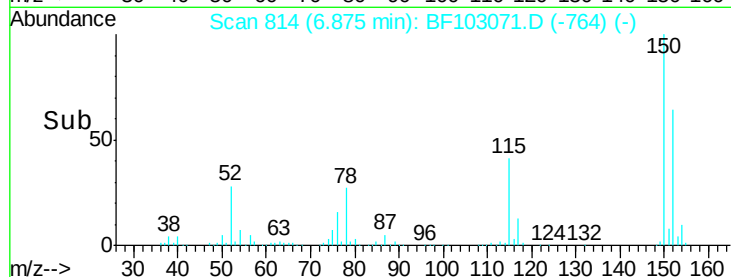
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103071.D
Acq: 19 Feb 2018 10:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 177511
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 64.8 50.1 75.1



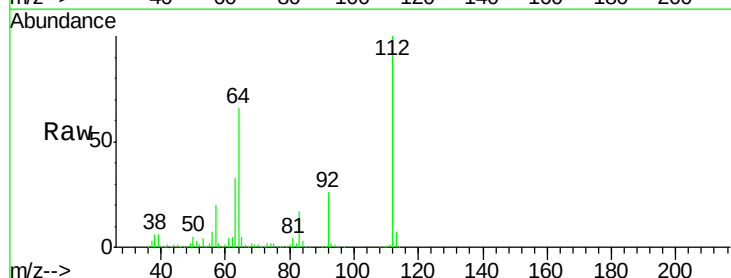
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



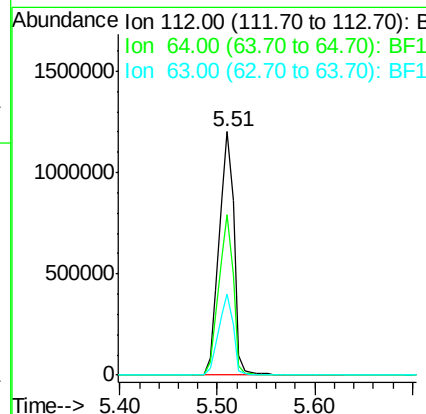
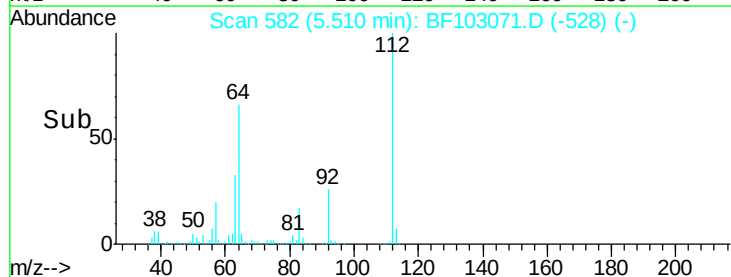
#5

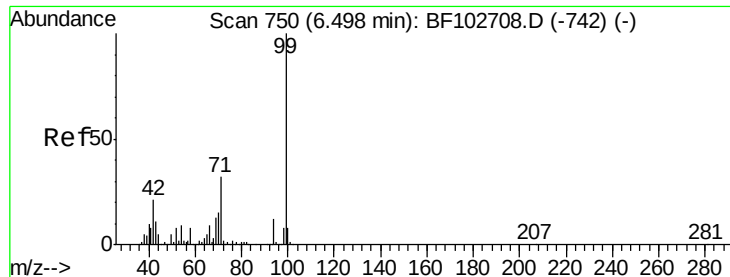
2-Fluorophenol
Concen: 109.375 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF103071.D
Acq: 19 Feb 2018 10:20

Tgt Ion:112 Resp: 1278447
Ion Ratio Lower Upper
112 100
64 66.0 47.9 71.9
63 33.3 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: 106.682 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103071.D

Acq: 19 Feb 2018 10:20

Instrument :

BNA_F

ClientSampleId :

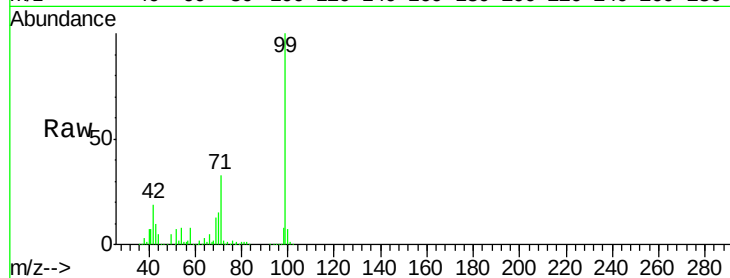
Tot Ion: 99 Resp: 1501434

Ion Ratio Lower Upper

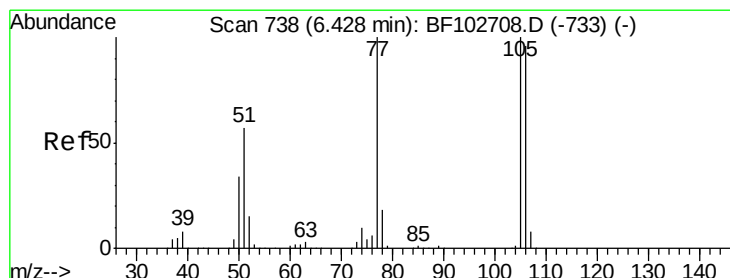
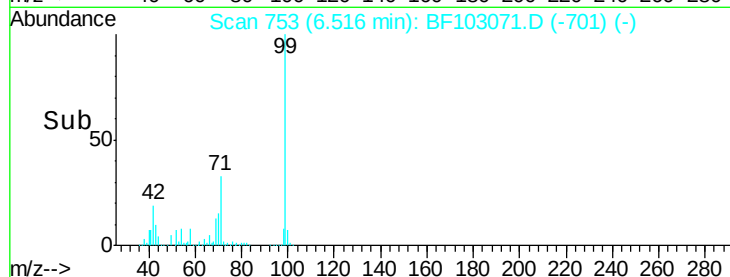
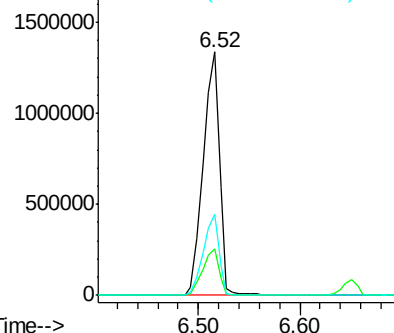
99 100

42 19.1 14.5 21.7

71 33.3 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: 2.554 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF103071.D

Acq: 19 Feb 2018 10:20

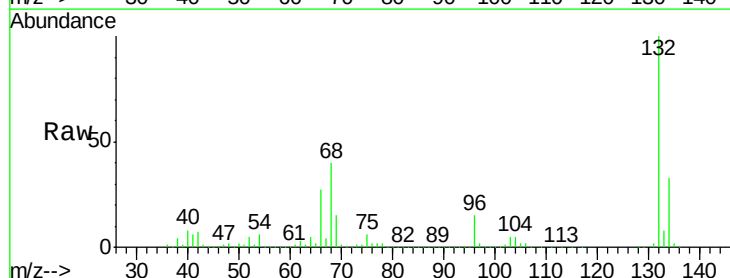
Tgt Ion: 77 Resp: 26695

Ion Ratio Lower Upper

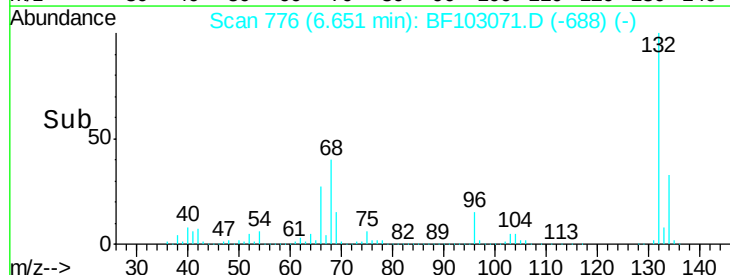
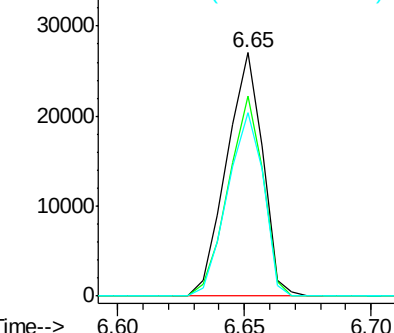
77 100

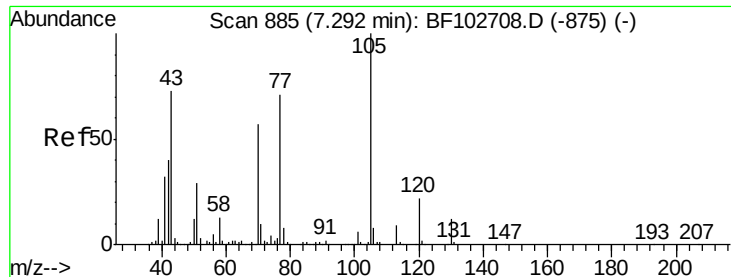
105 82.2 81.1 121.1

106 75.4 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

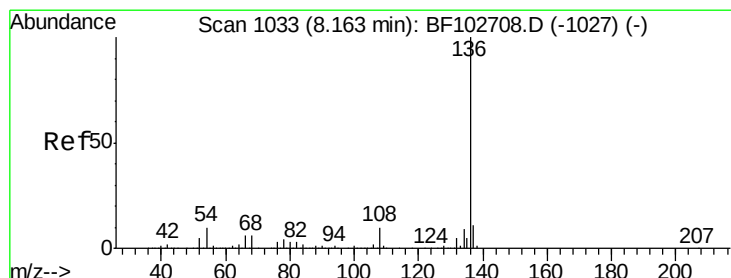
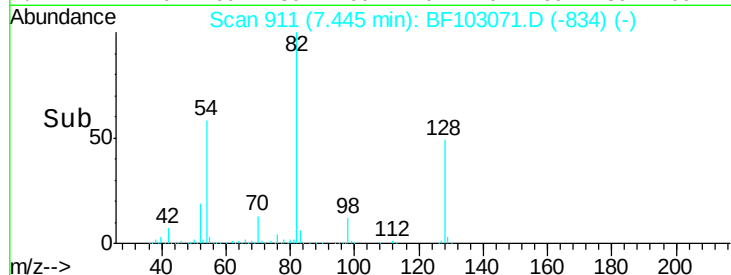
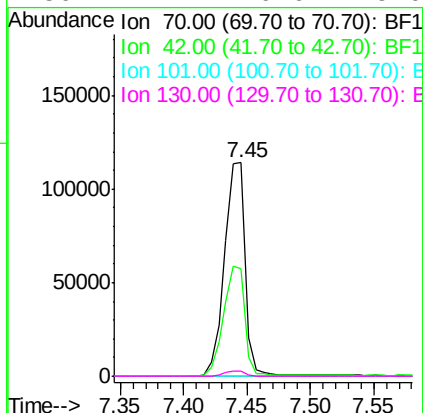
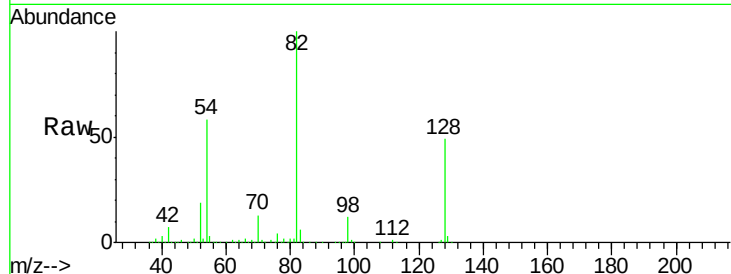




#19
n-Nitroso-di-n-propylamine
Concen: 14.008 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF103071.D
Acq: 19 Feb 2018 10:20

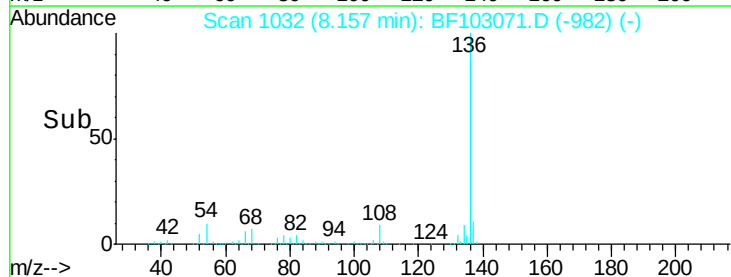
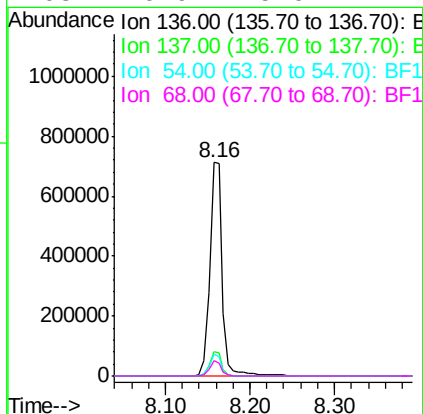
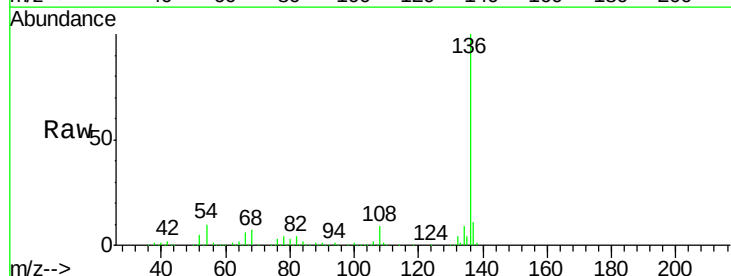
Instrument :
BNA_F
ClientSampleId :

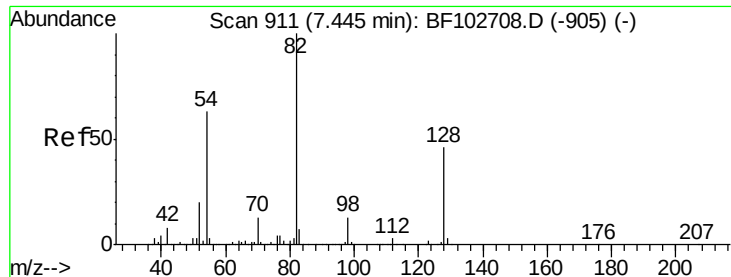
Tot Ion: 70 Resp: 129986
Ion Ratio Lower Upper
70 100
42 50.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103071.D
Acq: 19 Feb 2018 10:20

Tgt Ion:136 Resp: 741779
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 10.3 6.6 9.8#
68 6.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 93.161 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF103071.D

Acq: 19 Feb 2018 10:20

Instrument :

BNA_F

ClientSampled :

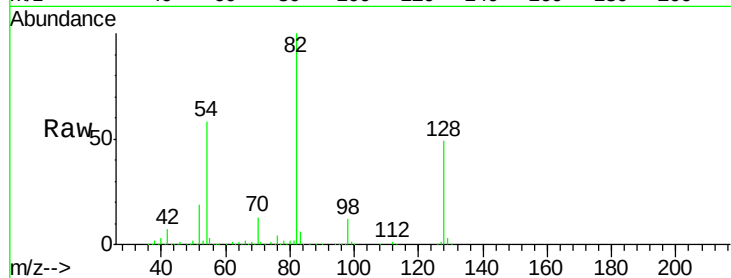
Tot Ion: 82 Resp: 996166

Ion Ratio Lower Upper

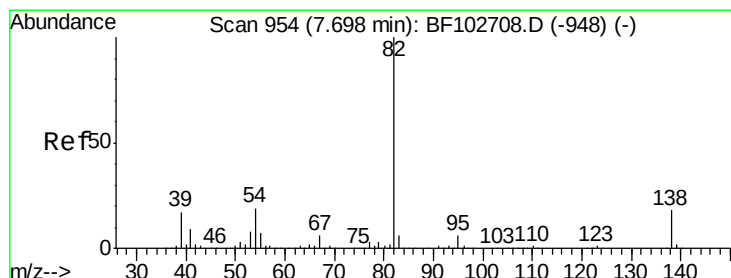
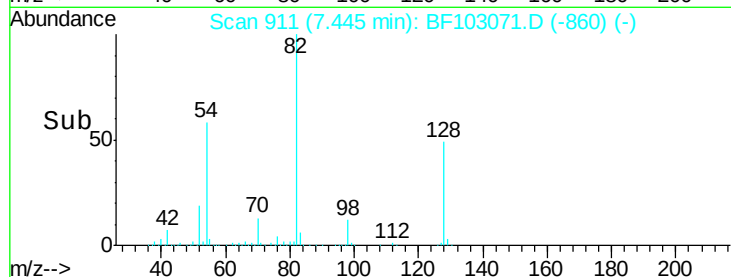
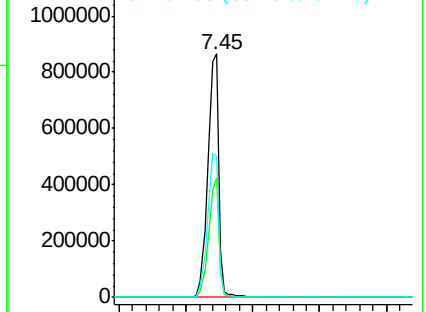
82 100

128 48.9 36.1 54.1

54 57.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 40.458 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF103071.D

Acq: 19 Feb 2018 10:20

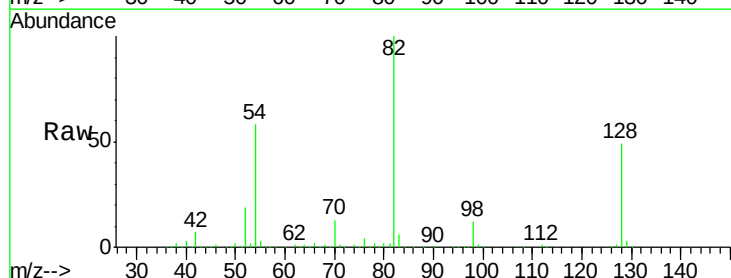
Tgt Ion: 82 Resp: 996160

Ion Ratio Lower Upper

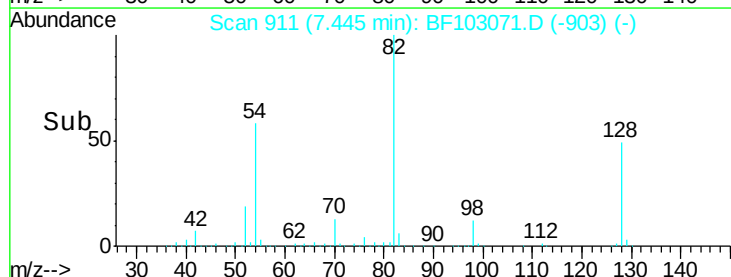
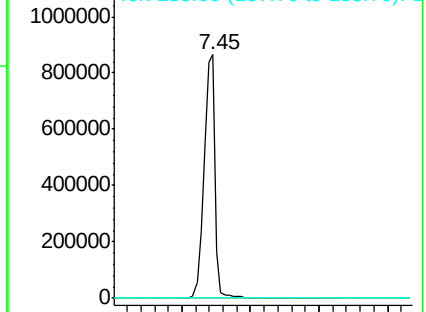
82 100

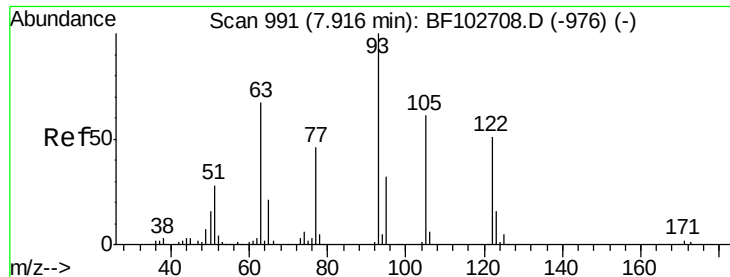
95 0.0 5.2 7.8#

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





#32

Benzoic acid

Concen: 8.574 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF103071.D

Acq: 19 Feb 2018 10:20

Instrument :

BNA_F

ClientSampleId :

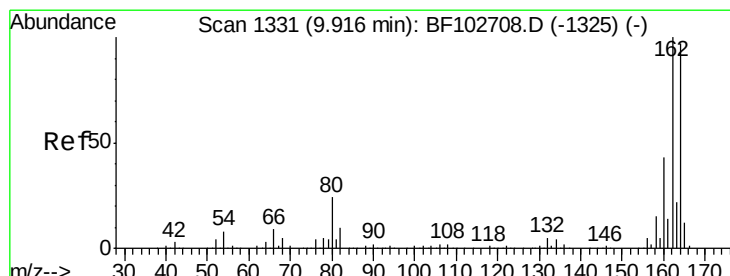
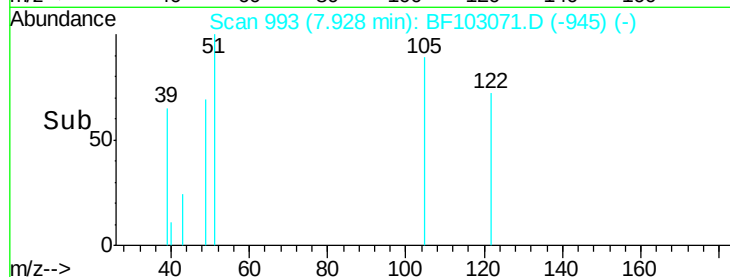
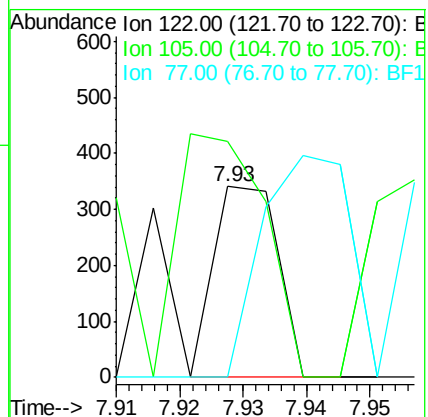
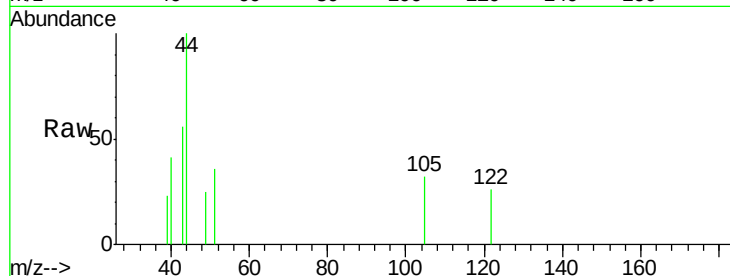
Tot Ion:122 Resp: 238

Ion Ratio Lower Upper

122 100

105 123.8 101.1 141.1

77 0.0 70.7 110.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103071.D

Acq: 19 Feb 2018 10:20

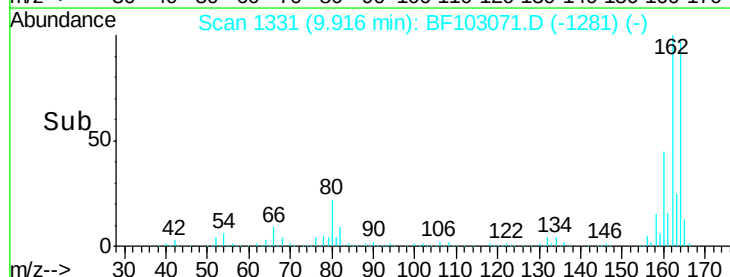
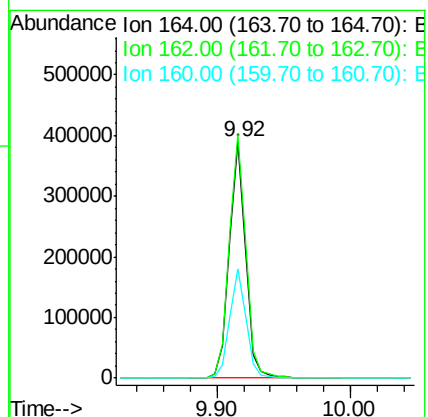
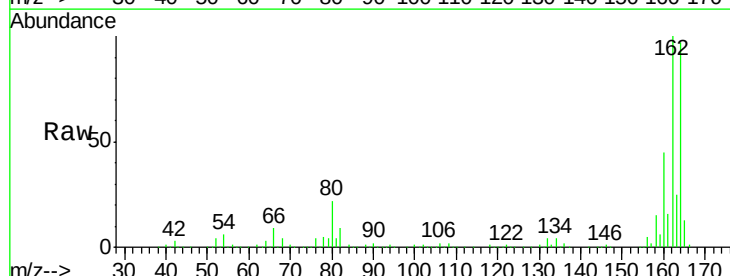
Tgt Ion:164 Resp: 339663

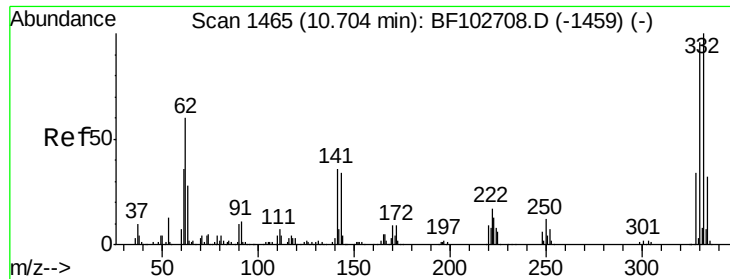
Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

160 46.1 38.3 57.5

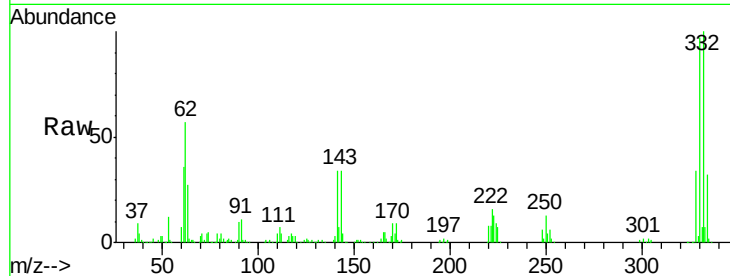




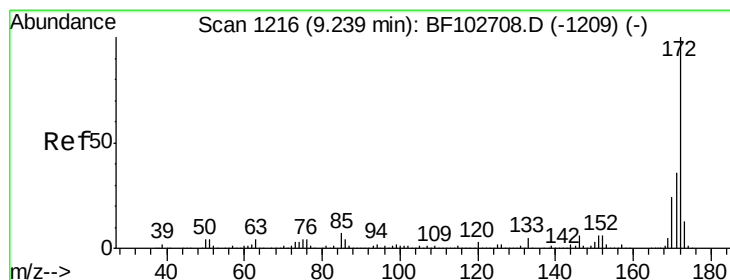
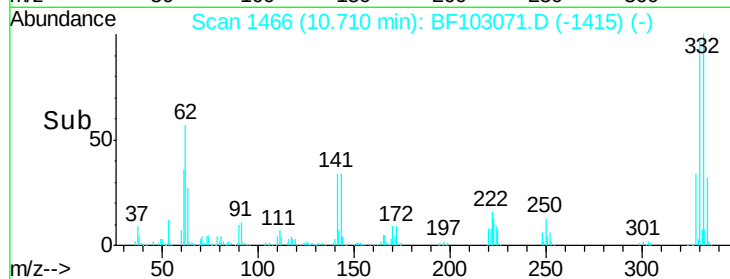
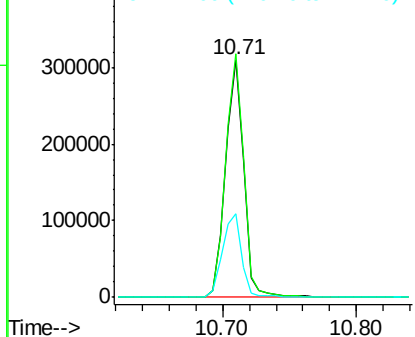
#41
 2,4,6-Tribromophenol
 Concen: 110.225 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103071.D
 Acq: 19 Feb 2018 10:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	330	332	141
Resp:	301343		
Ion Ratio	100	102.7	37.5
Lower		77.0	29.9
Upper		115.6	44.9

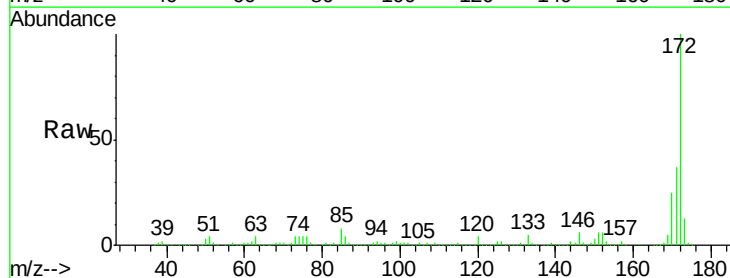


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

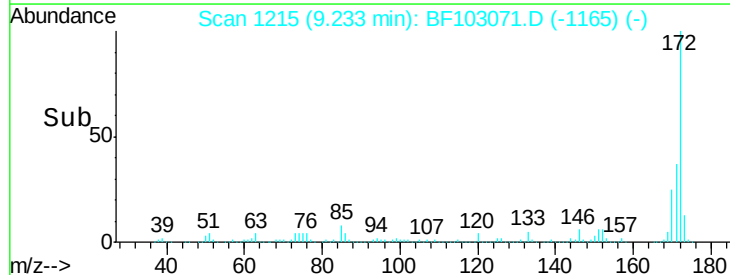
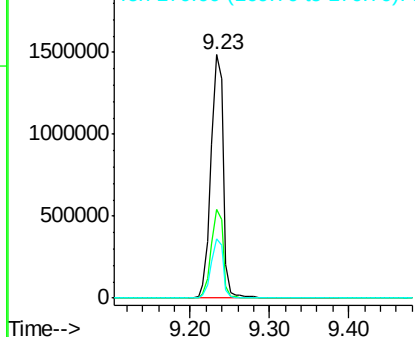


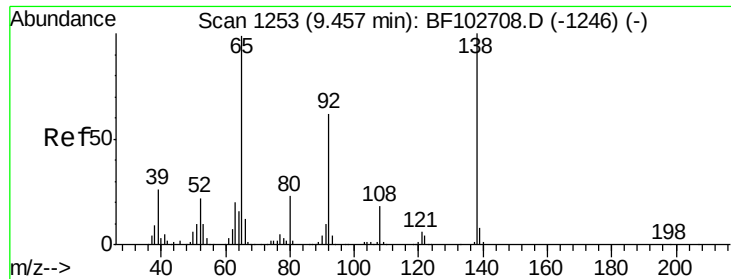
#44
 2-Fluorobiphenyl
 Concen: 78.139 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103071.D
 Acq: 19 Feb 2018 10:20

Tgt Ion	172	171	170
Resp:	1599475		
Ion Ratio	100	36.6	24.5
Lower		29.7	19.6
Upper		44.5	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

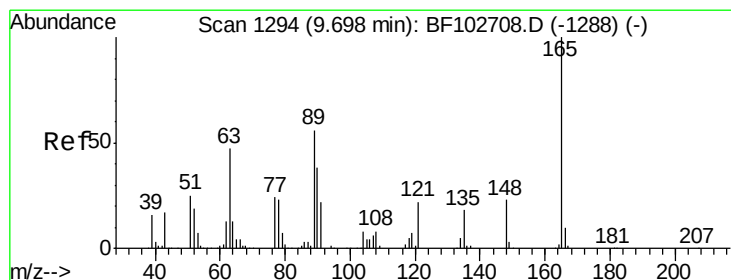
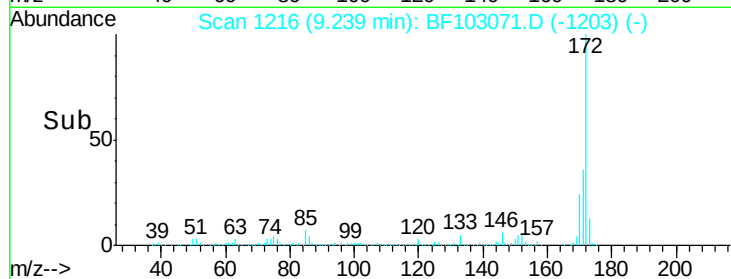
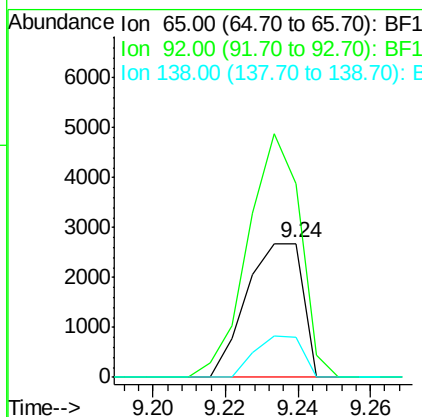
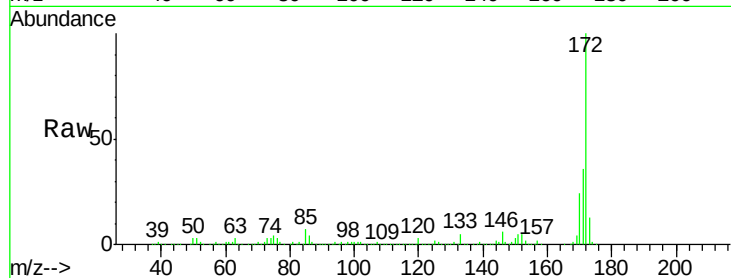




#47
2-Nitroaniline
Concen: 3.858 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.22 min
Lab File: BF103071.D
Acq: 19 Feb 2018 10:20

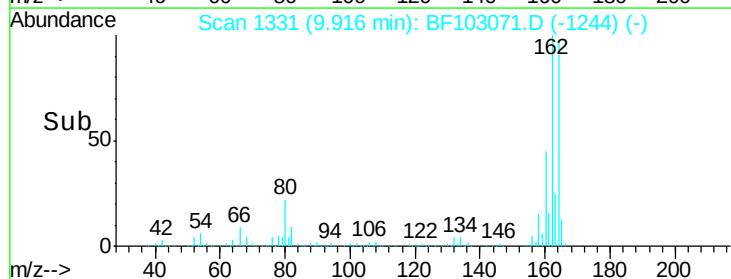
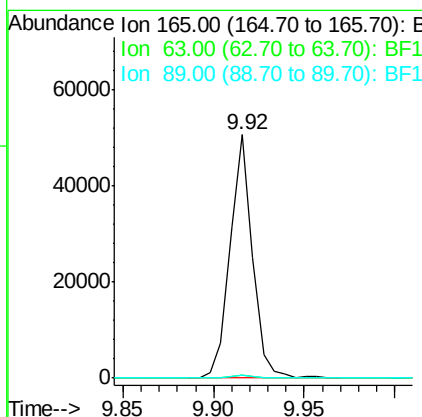
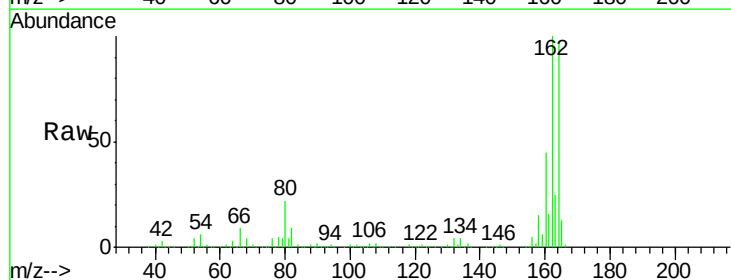
Instrument :
BNA_F
ClientSampleId :

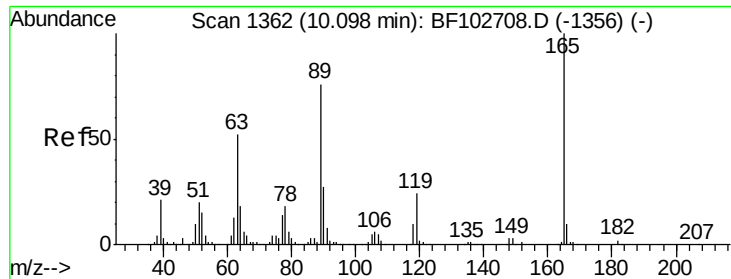
Tot Ion	Ratio	Lower	Upper
65	100		
92	145.3	55.8	83.6#
138	30.5	91.2	136.8#



#50
2,6-Dinitrotoluene
Concen: 8.631 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF103071.D
Acq: 19 Feb 2018 10:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.4	44.0	66.0#

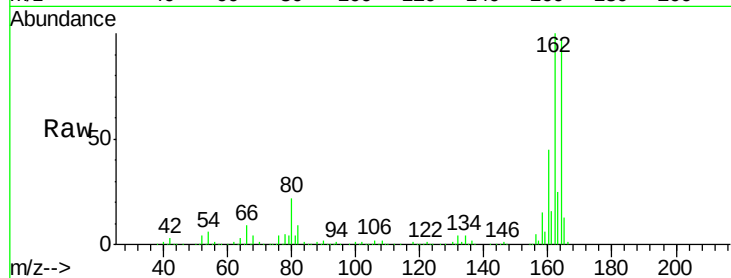




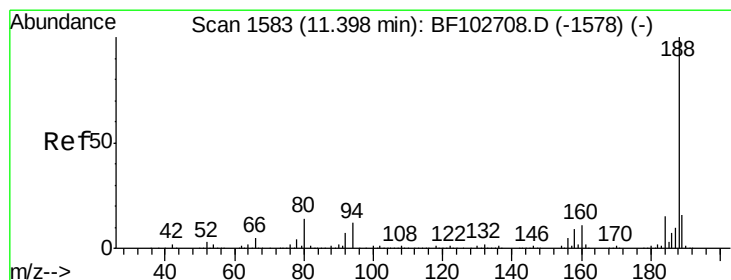
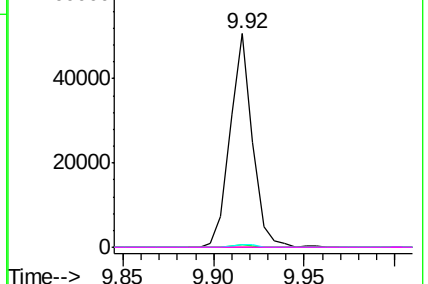
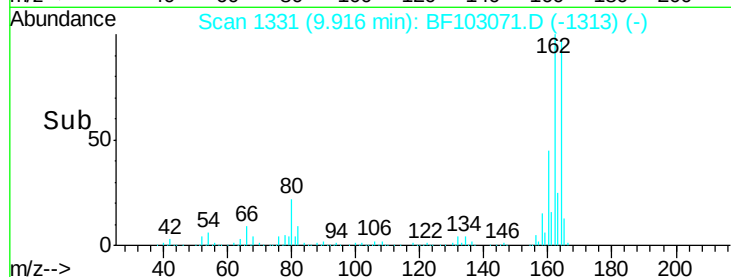
#56
 2,4-Dinitrotoluene
 Concen: 9.099 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103071.D
 Acq: 19 Feb 2018 10:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 43491
 Ion Ratio Lower Upper
 165 100
 63 1.0 36.4 54.6#
 89 1.4 57.8 86.6#
 182 0.0 1.6 2.4#

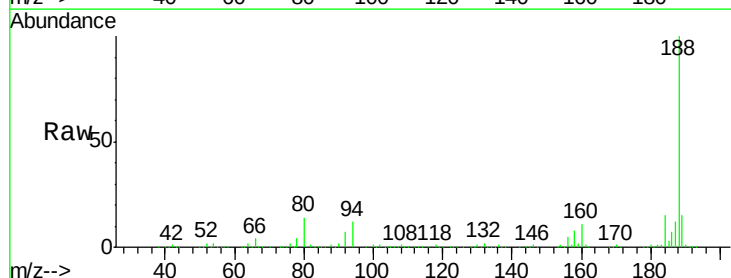


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

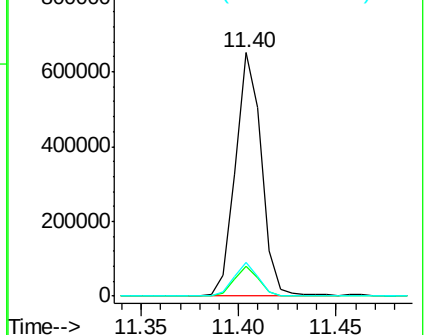
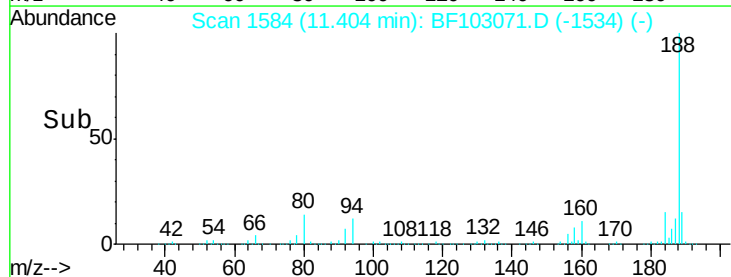


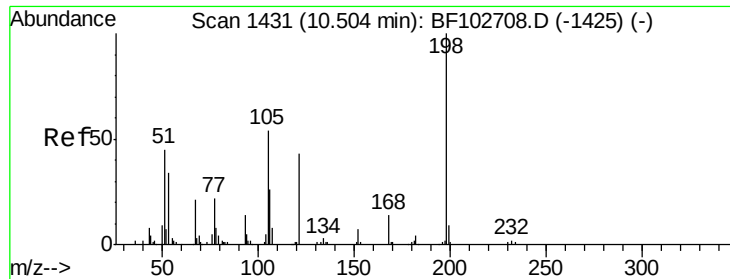
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103071.D
 Acq: 19 Feb 2018 10:20

Tgt Ion:188 Resp: 601883
 Ion Ratio Lower Upper
 188 100
 94 12.1 8.5 12.7
 80 13.6 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

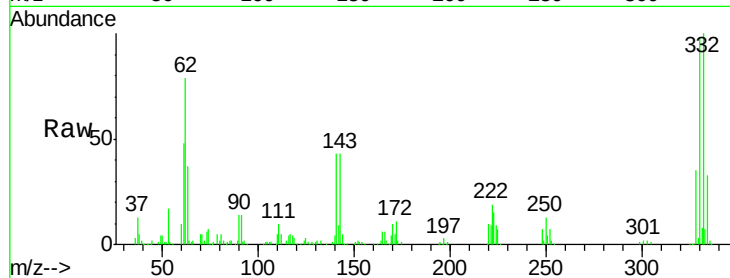




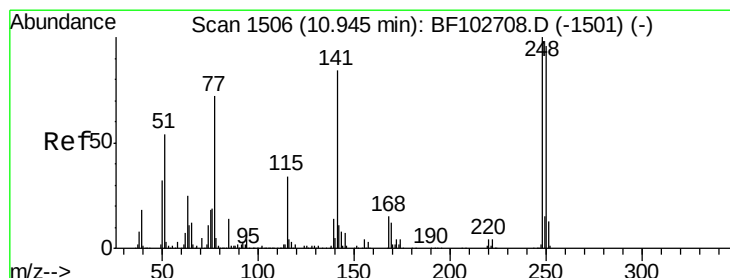
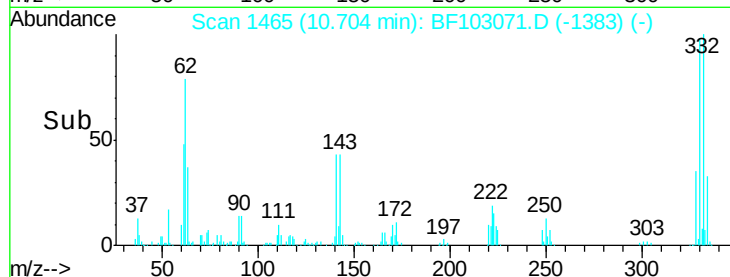
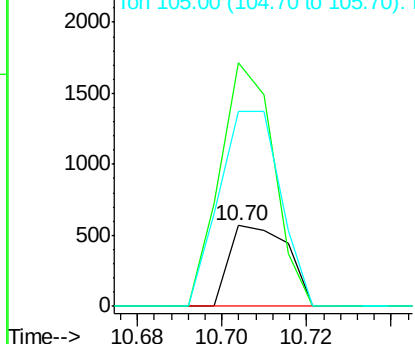
#64
4,6-Dinitro-2-methylphenol
Concen: 8.995 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103071.D
Acq: 19 Feb 2018 10:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 548
Ion Ratio Lower Upper
198 100
51 302.3 37.7 77.7#
105 242.5 36.3 76.3#

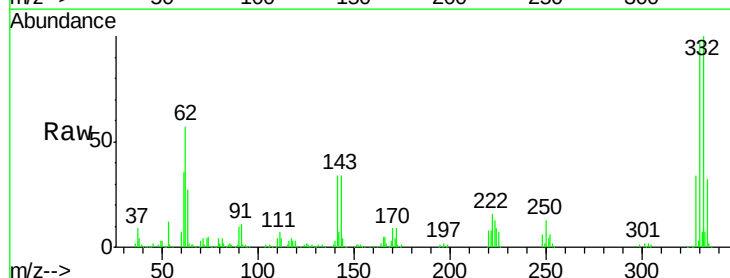


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

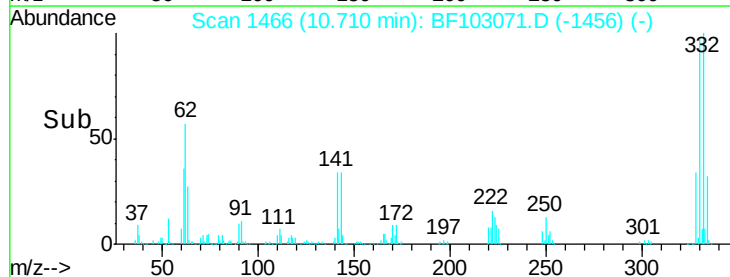
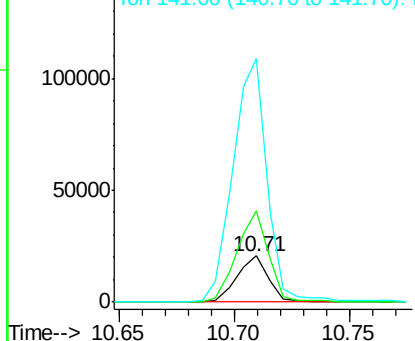


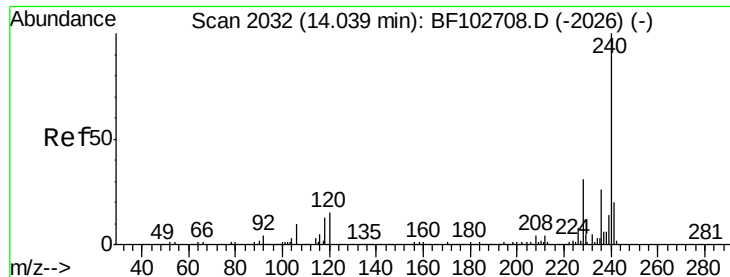
#66
4-Bromophenyl-phenylether
Concen: 3.089 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103071.D
Acq: 19 Feb 2018 10:20

Tgt Ion:248 Resp: 19667
Ion Ratio Lower Upper
248 100
250 198.8 76.9 115.3#
141 529.0 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: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103071.D

Acq: 19 Feb 2018 10:20

Instrument :

BNA_F

ClientSampleId :

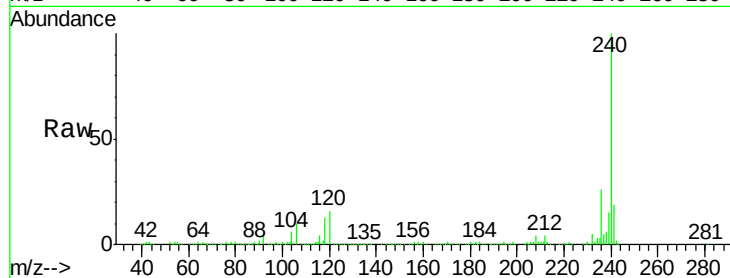
Tot Ion:240 Resp: 456824

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

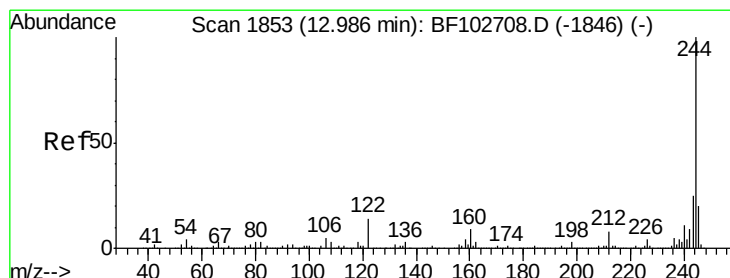
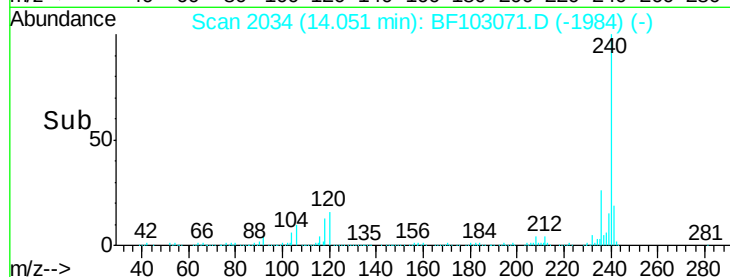
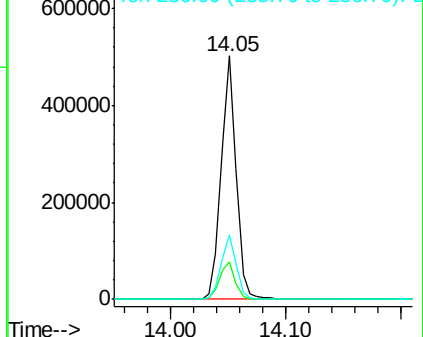
236 26.3 20.7 31.1



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: 77.818 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103071.D

Acq: 19 Feb 2018 10:20

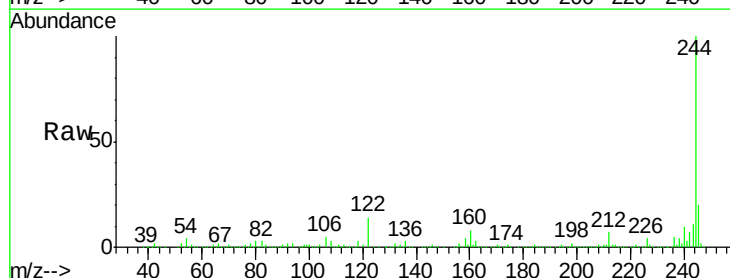
Tgt Ion:244 Resp: 1501379

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

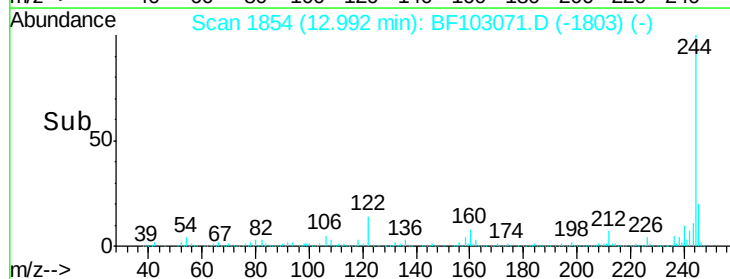
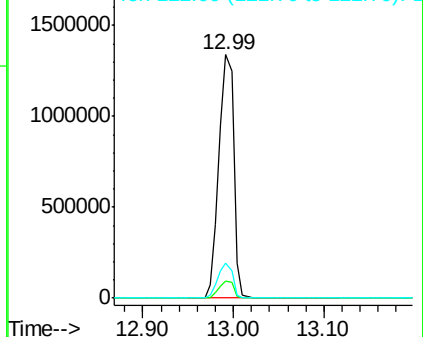
122 14.5 11.0 16.4

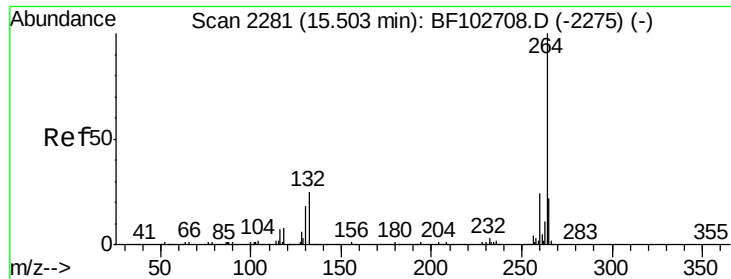


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

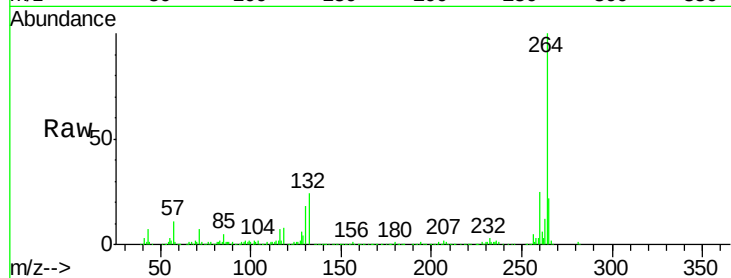




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BF103071.D
Acq: 19 Feb 2018 10:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.8	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

