

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103092.D
 Acq On : 19 Feb 2018 19:37
 Operator : SJ/JU
 Sample : PB106657BL
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 00:18:34 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

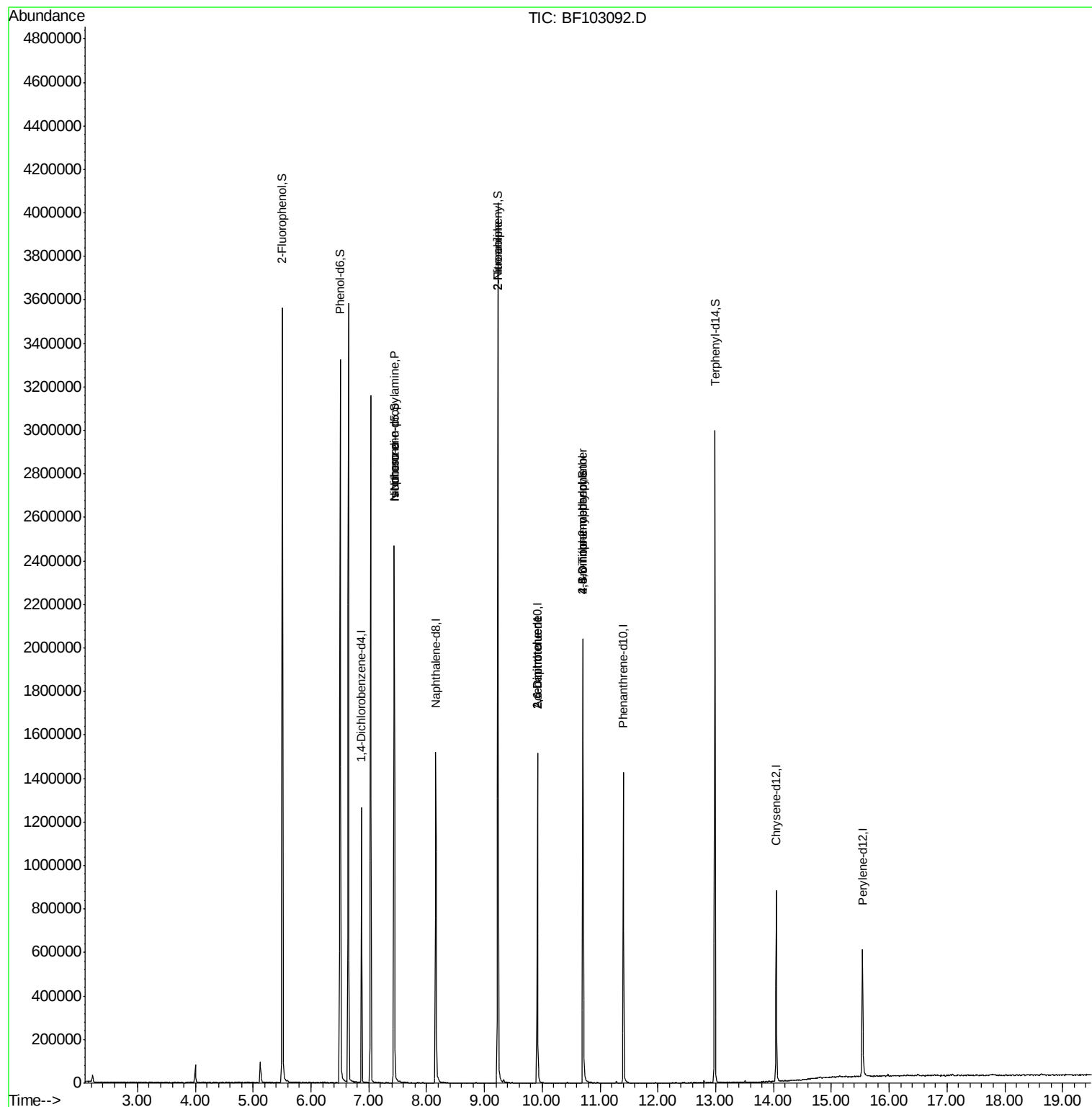
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	169208	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	711251	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	305502	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	499122	20.00	ng	0.00
75) Chrysene-d12	14.04	240	289915	20.00	ng	-0.01
86) Perylene-d12	15.54	264	289877	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1086701	97.53	ng	0.01
7) Phenol-d6	6.51	99	1281752	95.54	ng	0.00
23) Nitrobenzene-d5	7.44	82	826232	80.59	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	244412	99.40	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1329888	72.23	ng	0.00
78) Terphenyl-d14	12.99	244	994354	81.21	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	108845	12.31	ng	# 80
25) Isophorone	7.44	82	826227	35.00	ng	# 64
47) 2-Nitroaniline	9.23	65	2314	3.82	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	39061	8.62	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	39061	9.09	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	440	8.99	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	16130	3.06	ng	# 1

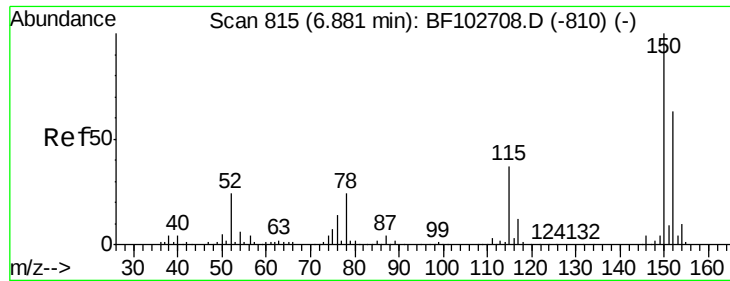
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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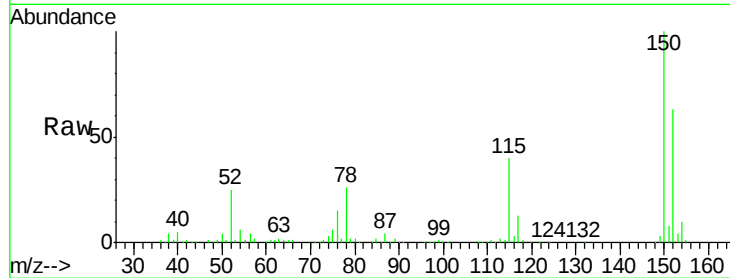


#1

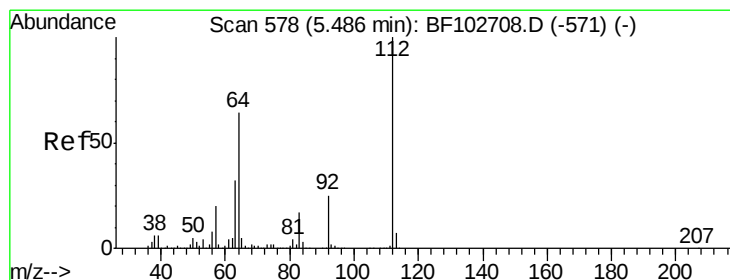
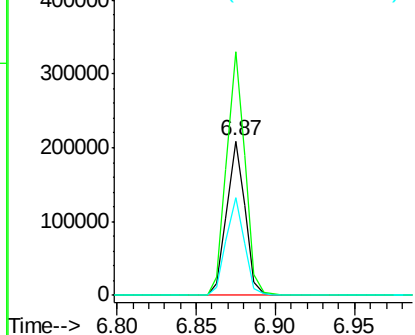
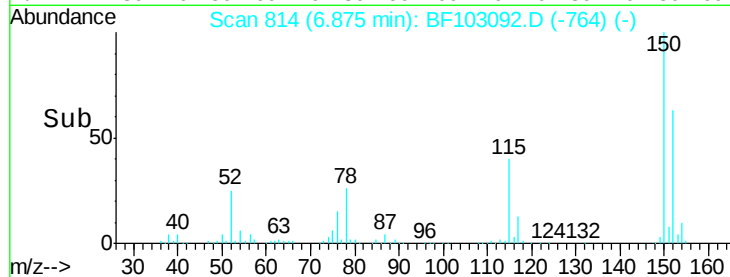
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF103092.D
 Acq: 19 Feb 2018 19:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 169208
 Ion Ratio Lower Upper
 152 100
 150 157.7 124.6 186.8
 115 63.2 50.1 75.1



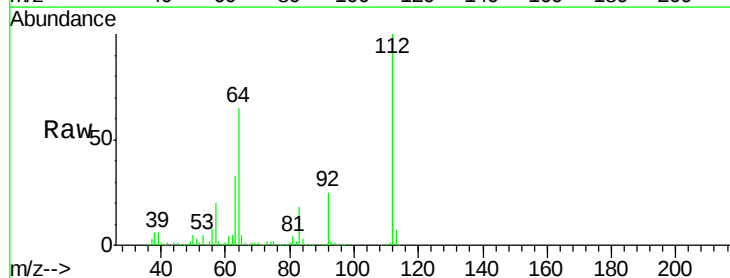
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



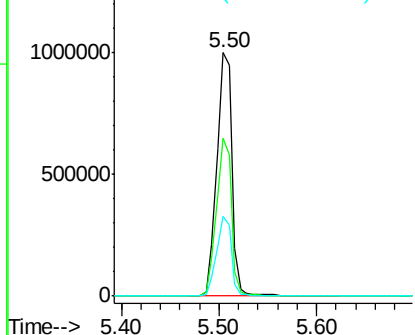
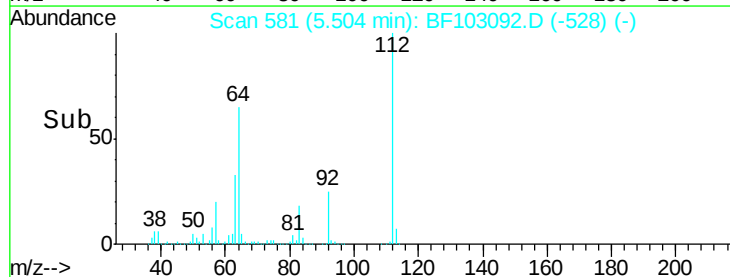
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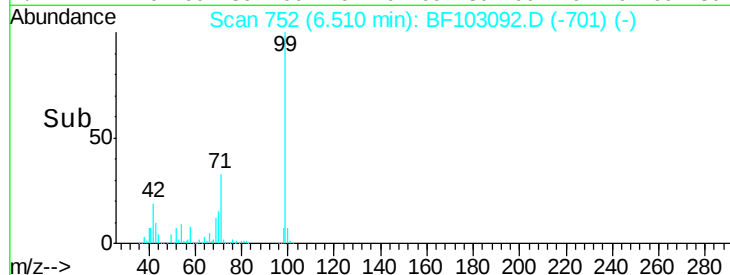
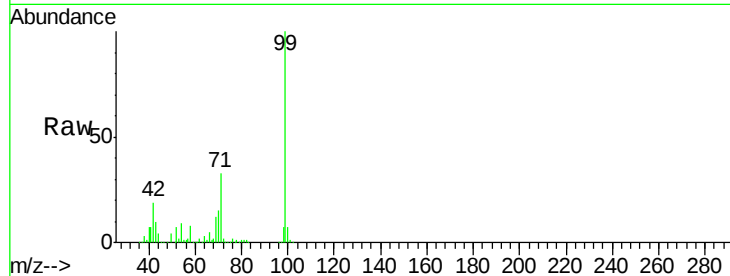
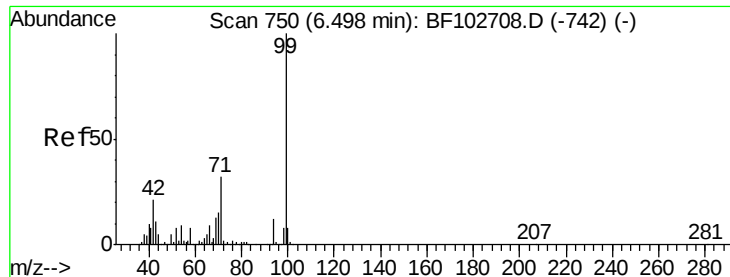
2-Fluorophenol
 Concen: 97.53 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF103092.D
 Acq: 19 Feb 2018 19:37

Tgt Ion:112 Resp: 1086701
 Ion Ratio Lower Upper
 112 100
 64 64.8 47.9 71.9
 63 32.9 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: 95.54 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103092.D

Acq: 19 Feb 2018 19:37

Instrument :

BNA_F

ClientSampleId :

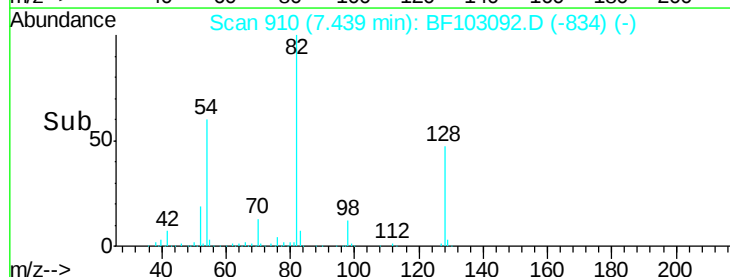
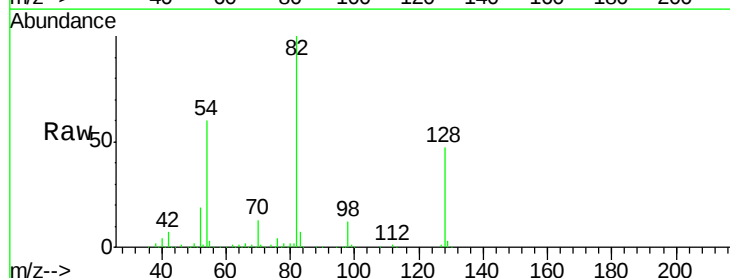
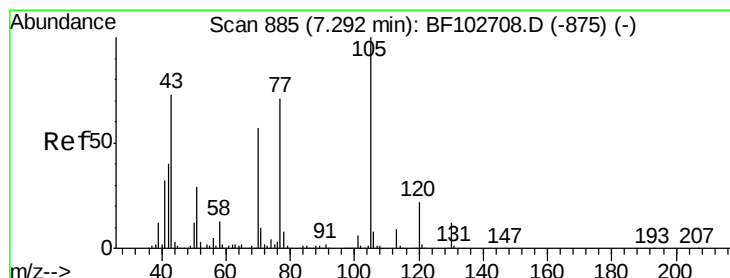
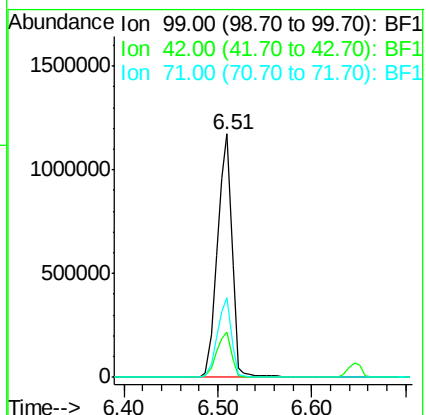
Tot Ion: 99 Resp: 1281752

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

71 32.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.31 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103092.D

Acq: 19 Feb 2018 19:37

Tgt Ion: 70 Resp: 108845

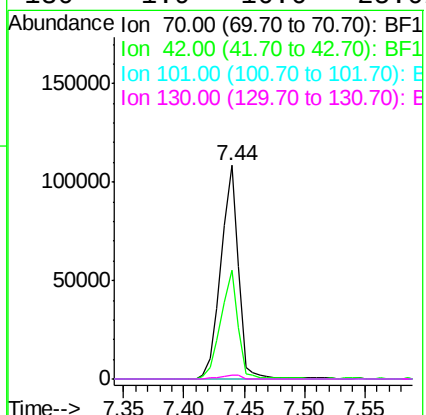
Ion Ratio Lower Upper

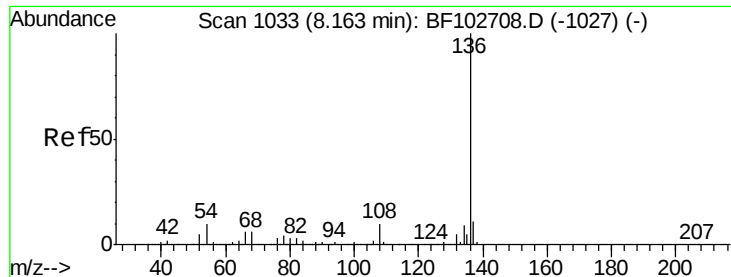
70 100

42 50.9 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

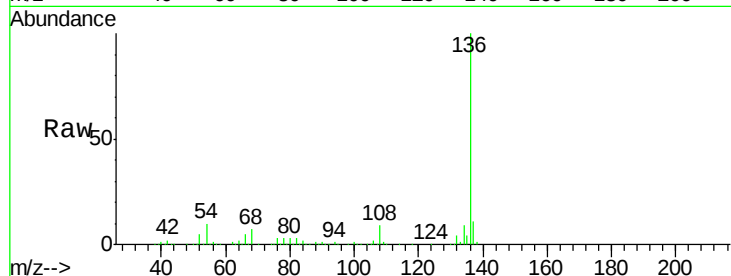




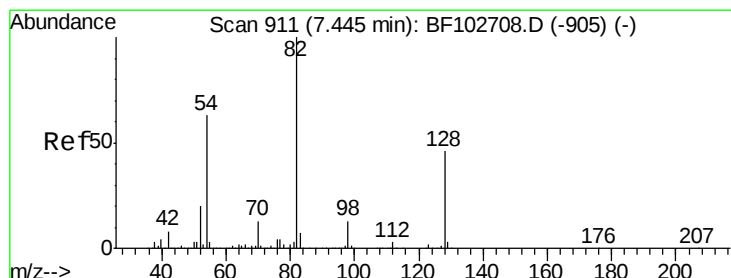
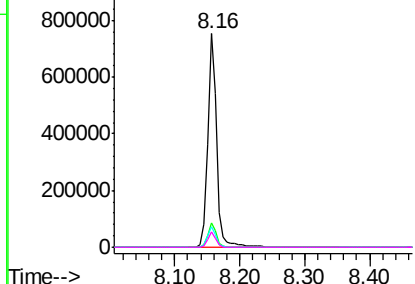
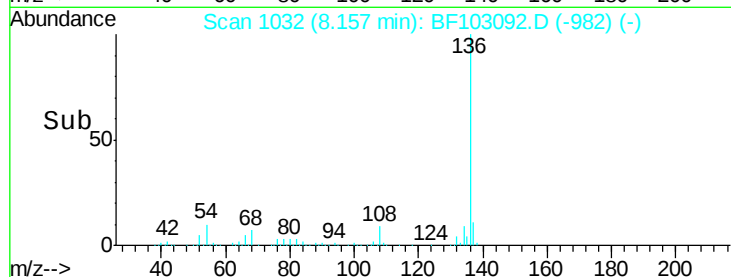
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103092.D
Acq: 19 Feb 2018 19:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	711251
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.9 13.3
54	9.7	6.6 9.8
68	7.0	5.0 7.4

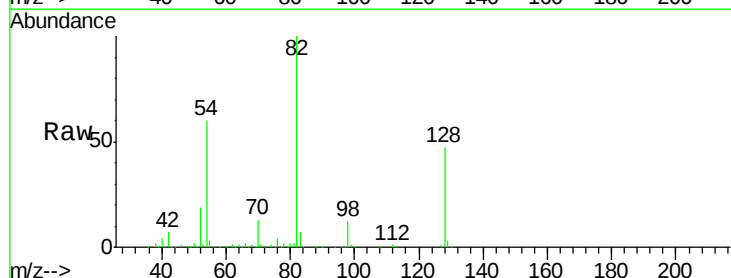


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

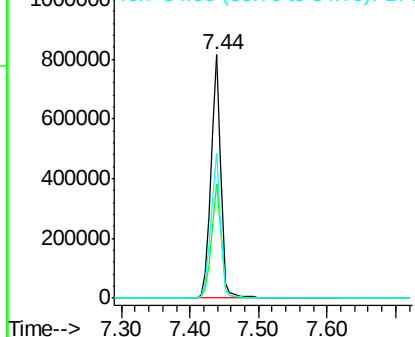
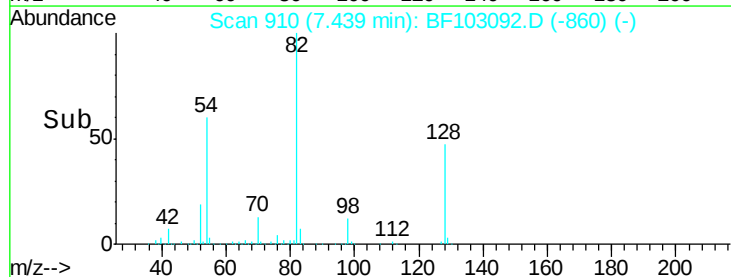


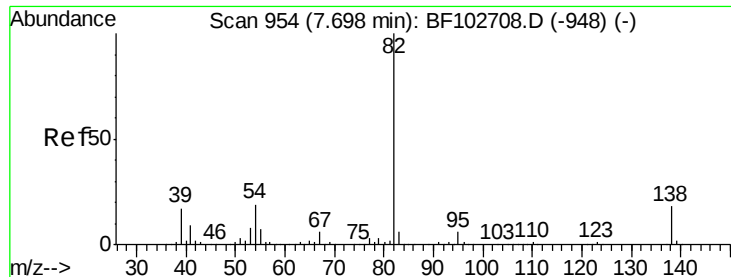
#23
Nitrobenzene-d5
Concen: 80.59 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103092.D
Acq: 19 Feb 2018 19:37

Tgt Ion: 82	Resp:	826232
Ion	Ratio	Lower Upper
82	100	
128	46.7	36.1 54.1
54	59.7	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: 35.00 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103092.D

Acq: 19 Feb 2018 19:37

Instrument :

BNA_F

ClientSampled :

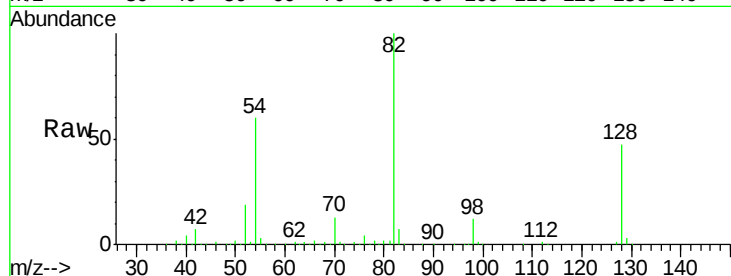
Tot Ion: 82 Resp: 826227

Ion Ratio Lower Upper

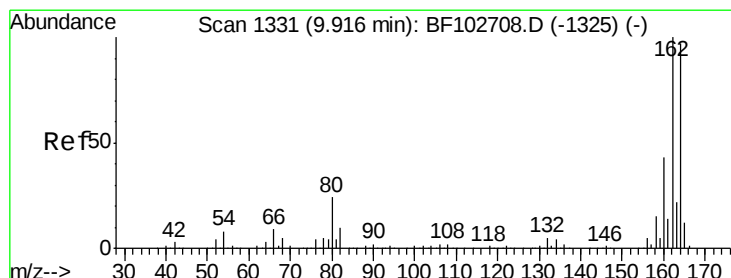
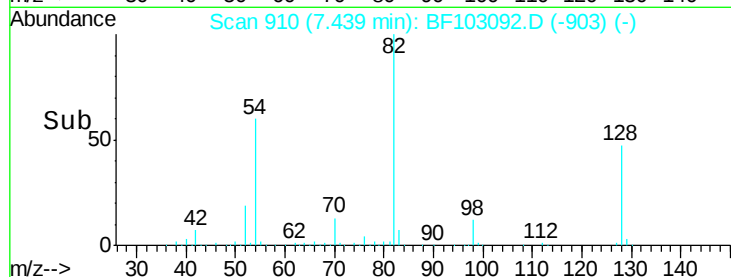
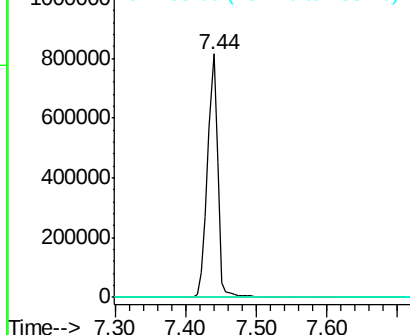
82 100

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# 1331

Delta R.T. -0.01 min

Lab File: BF103092.D

Acq: 19 Feb 2018 19:37

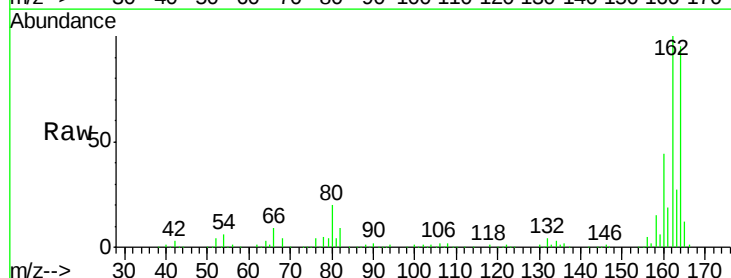
Tgt Ion: 164 Resp: 305502

Ion Ratio Lower Upper

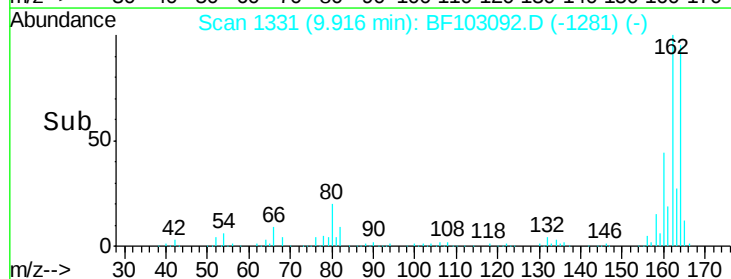
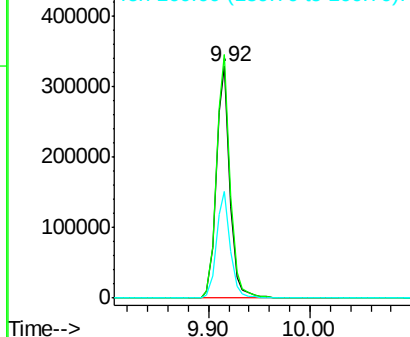
164 100

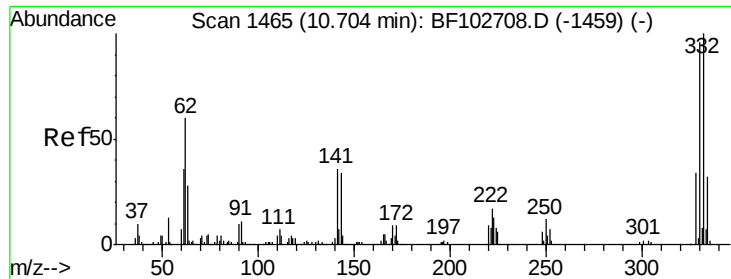
162 104.9 86.1 129.1

160 45.8 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

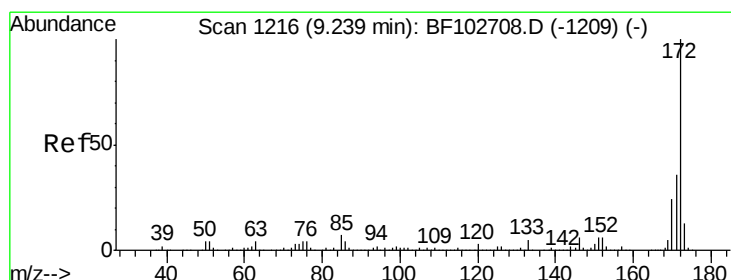
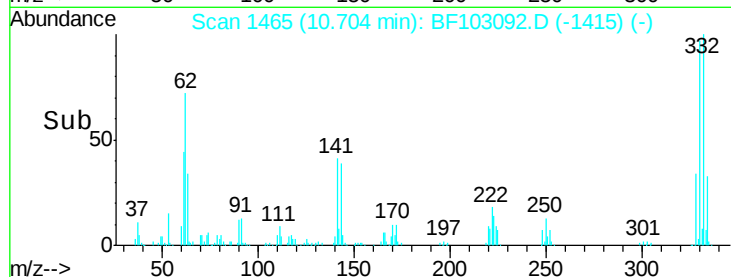
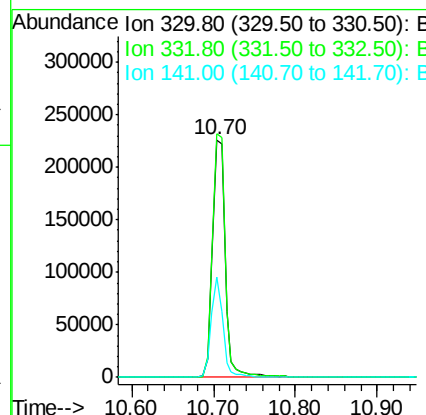
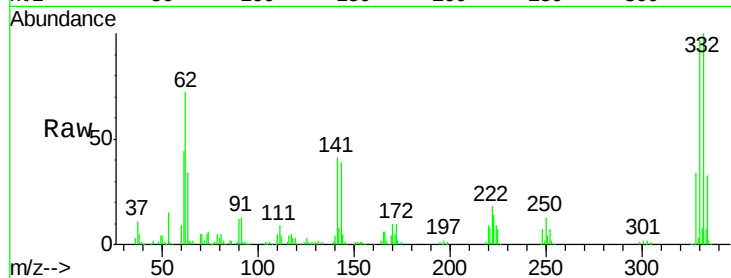




#41
 2,4,6-Tribromophenol
 Concen: 99.40 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103092.D
 Acq: 19 Feb 2018 19:37

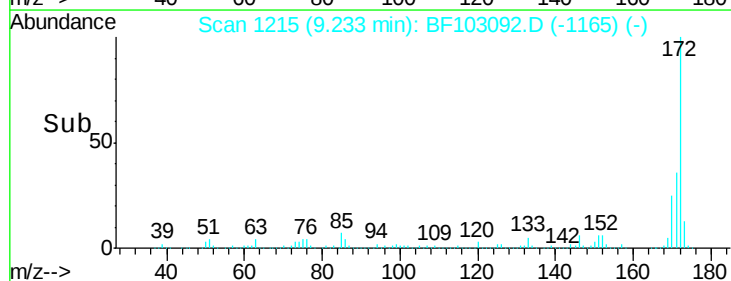
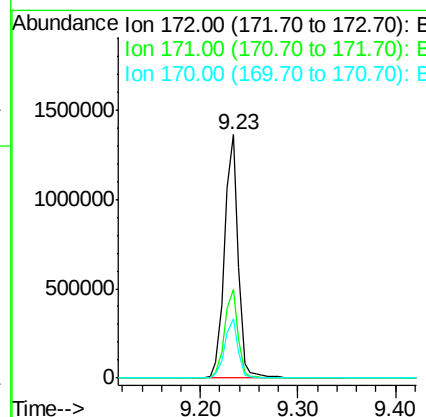
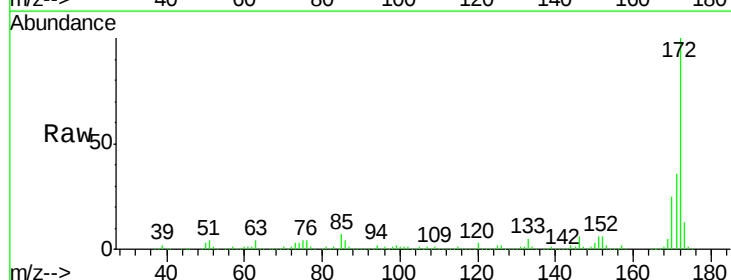
Instrument :
 BNA_F
 ClientSampleId :

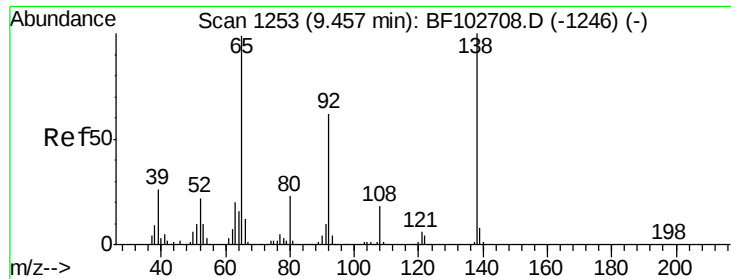
Tot Ion	Ratio	Lower	Upper
330	100		
332	102.6	77.0	115.6
141	39.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 72.23 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103092.D
 Acq: 19 Feb 2018 19:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.6	19.6	29.4

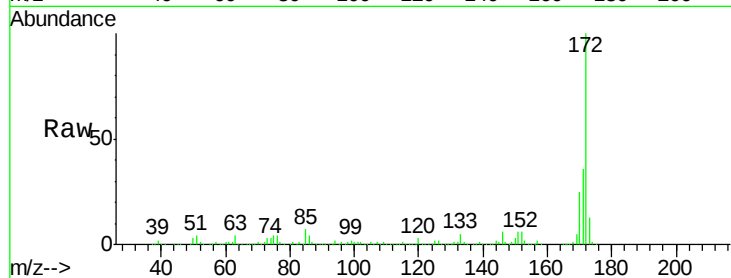




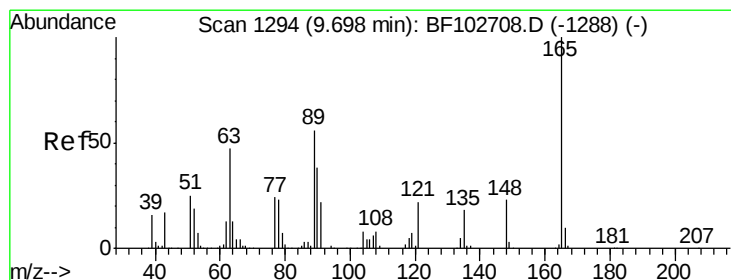
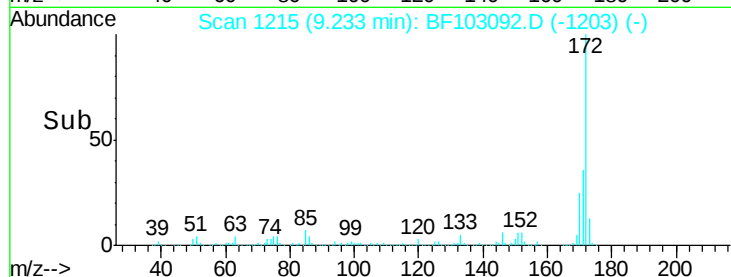
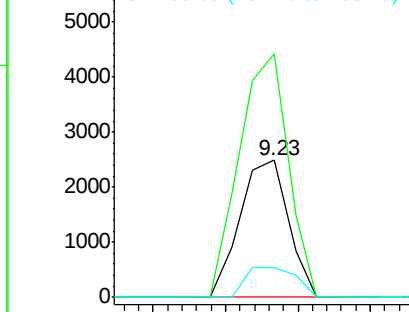
#47
 2-Nitroaniline
 Concen: 3.82 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.23 min
 Lab File: BF103092.D
 Acq: 19 Feb 2018 19:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
65	100		
92	177.6	55.8	83.6#
138	21.4	91.2	136.8#

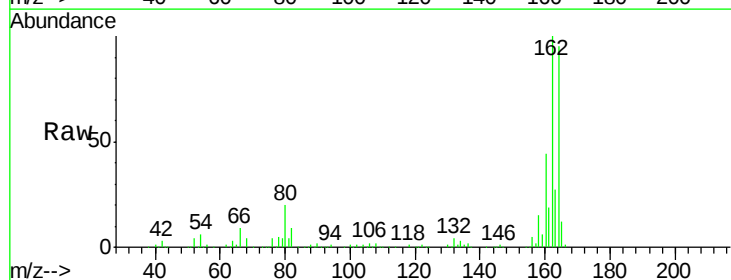


Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

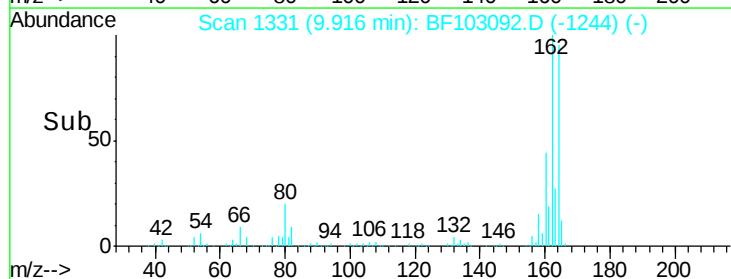
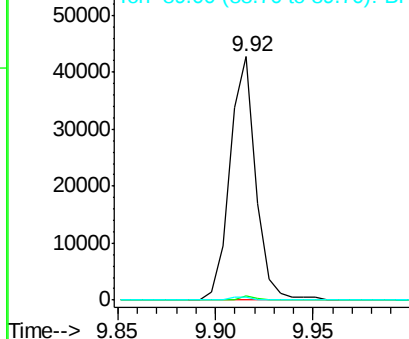


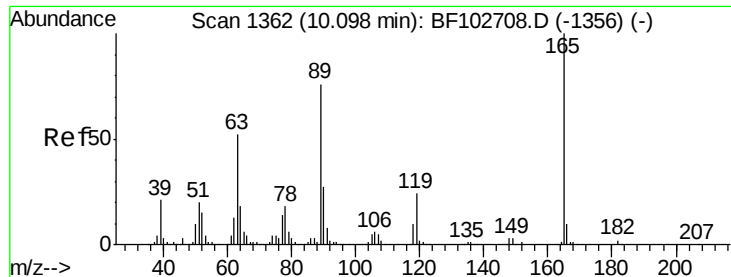
#50
 2,6-Dinitrotoluene
 Concen: 8.62 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103092.D
 Acq: 19 Feb 2018 19:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.1	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

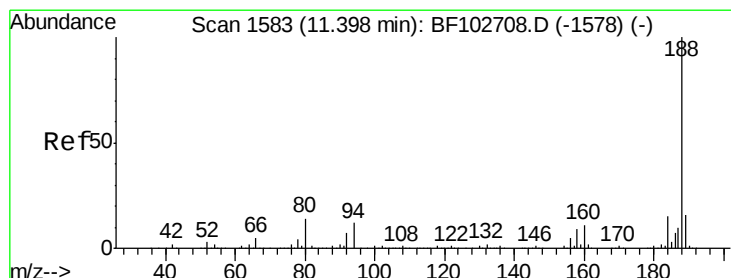
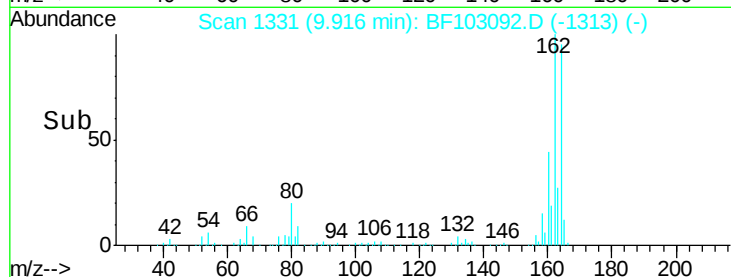
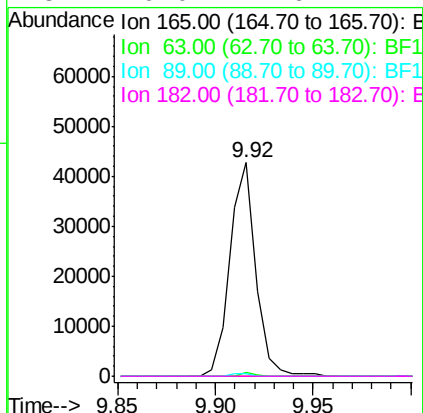
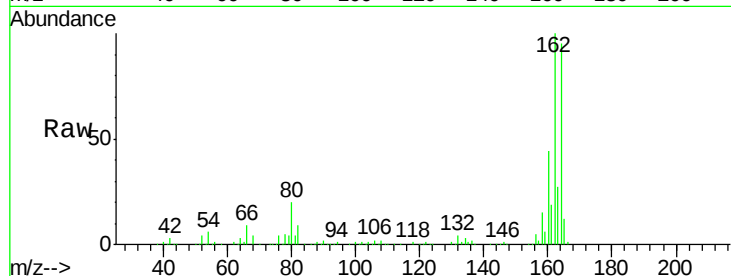




#56
 2,4-Dinitrotoluene
 Concen: 9.09 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103092.D
 Acq: 19 Feb 2018 19:37

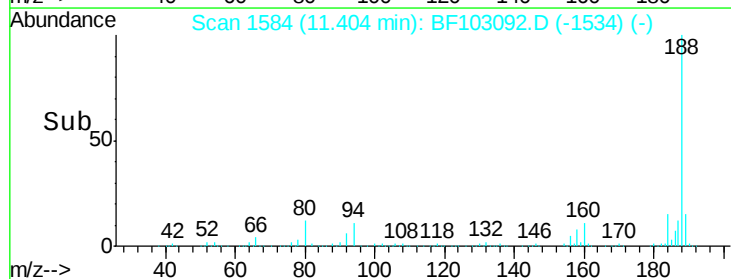
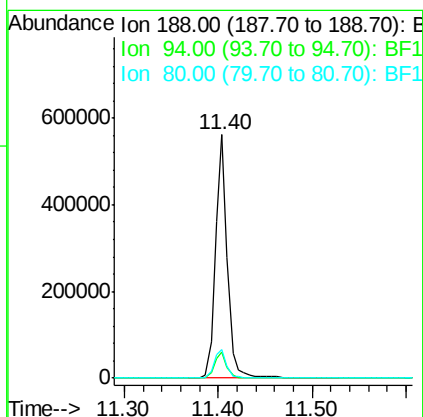
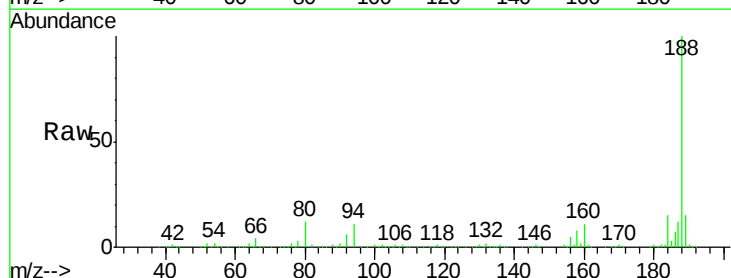
Instrument :
 BNA_F
 ClientSampleId :

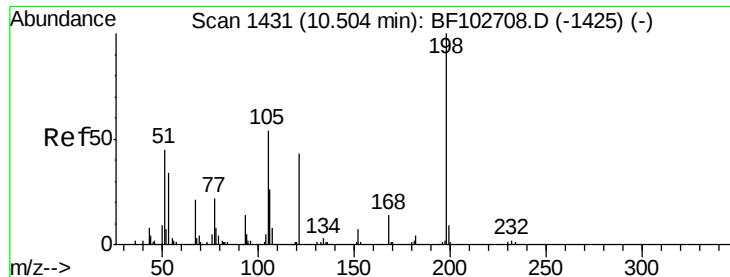
Tot Ion:165 Resp: 39061
 Ion Ratio Lower Upper
 165 100
 63 1.8 36.4 54.6#
 89 1.1 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103092.D
 Acq: 19 Feb 2018 19:37

Tgt Ion:188 Resp: 499122
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 11.7 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.99 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.18 min

Lab File: BF103092.D

Acq: 19 Feb 2018 19:37

Instrument :

BNA_F

ClientSampleId :

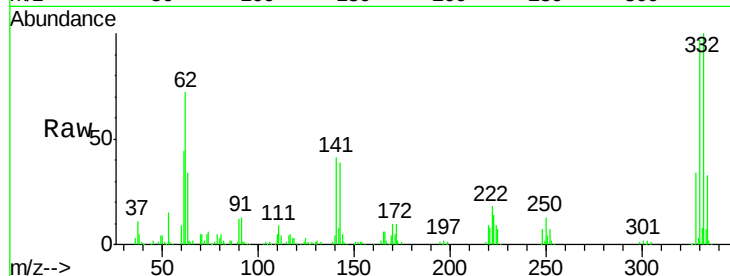
Tot Ion:198 Resp: 440

Ion Ratio Lower Upper

198 100

51 277.3 37.7 77.7#

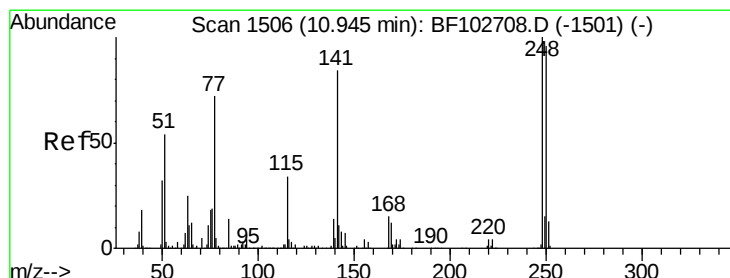
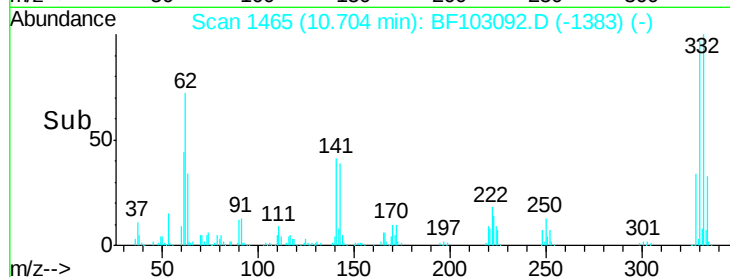
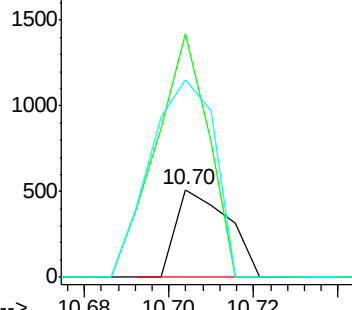
105 225.2 36.3 76.3#



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: 3.06 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF103092.D

Acq: 19 Feb 2018 19:37

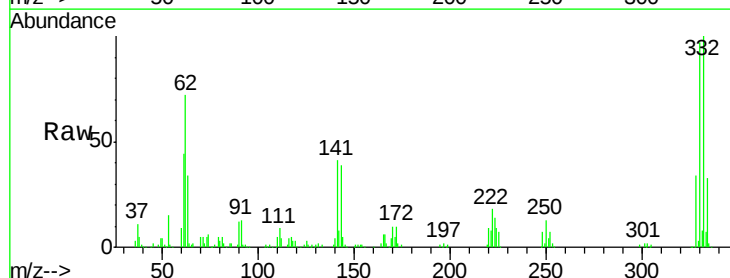
Tgt Ion:248 Resp: 16130

Ion Ratio Lower Upper

248 100

250 197.5 76.9 115.3#

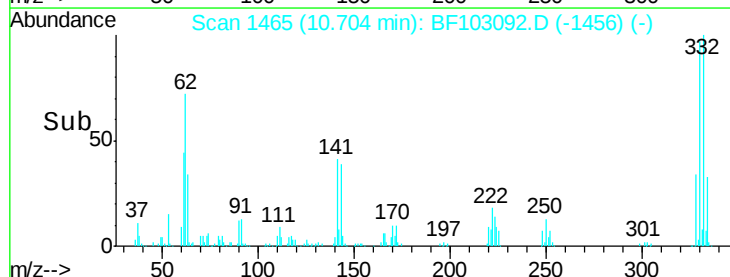
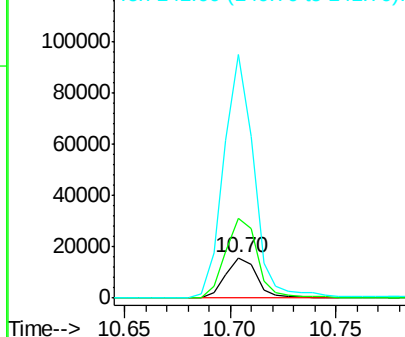
141 606.4 74.4 111.6#

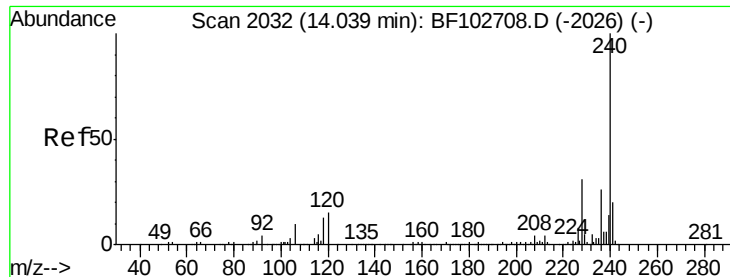


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF103092.D

Acq: 19 Feb 2018 19:37

Instrument :

BNA_F

ClientSampleId :

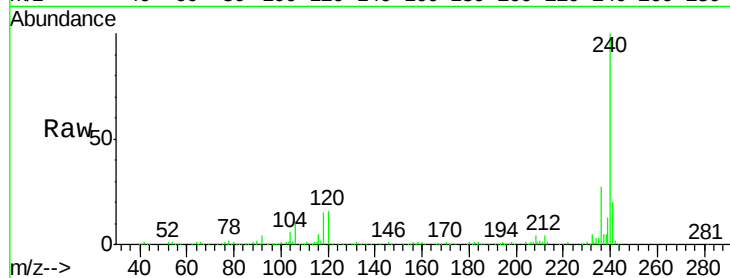
Tot Ion:240 Resp: 289915

Ion Ratio Lower Upper

240 100

120 16.5 9.5 14.3#

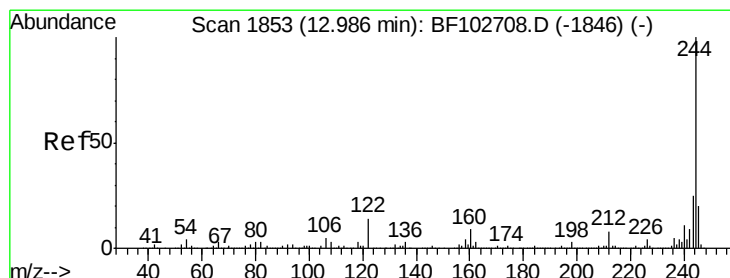
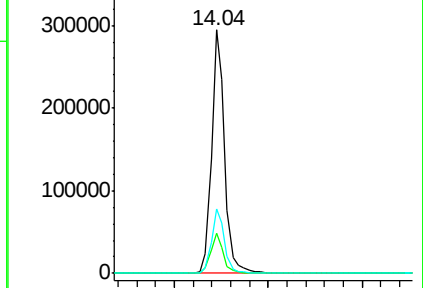
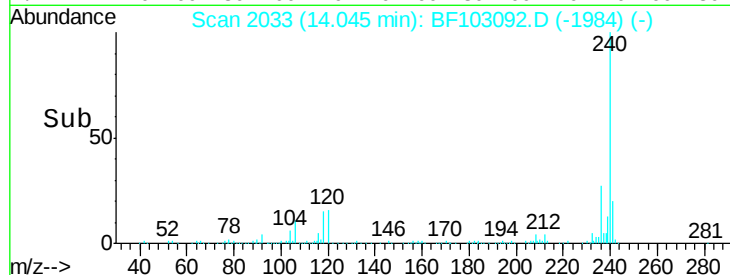
236 26.5 20.7 31.1



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: 81.21 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103092.D

Acq: 19 Feb 2018 19:37

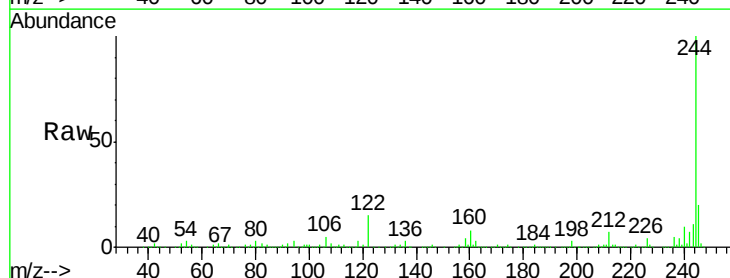
Tgt Ion:244 Resp: 994354

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

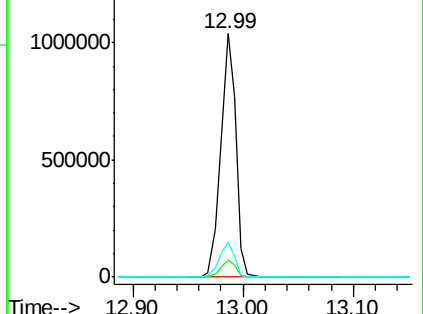
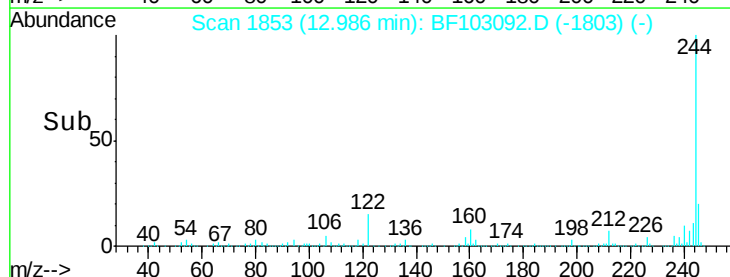
122 14.5 11.0 16.4

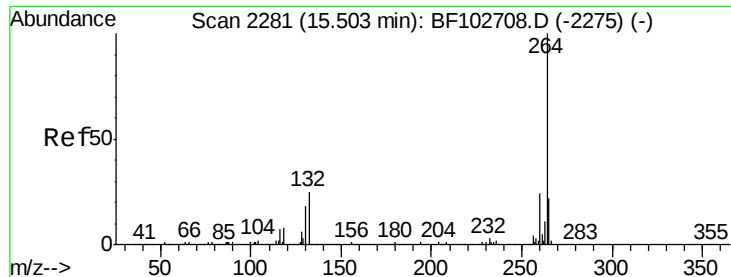


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF103092.D
Acq: 19 Feb 2018 19:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.3	17.5	26.3

