

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021518\
 Data File : BF103030.D
 Acq On : 15 Feb 2018 20:59
 Operator : SJ/JU
 Sample : J1536-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 00:05:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 14:08:58 2018
 Response via : Initial Calibration

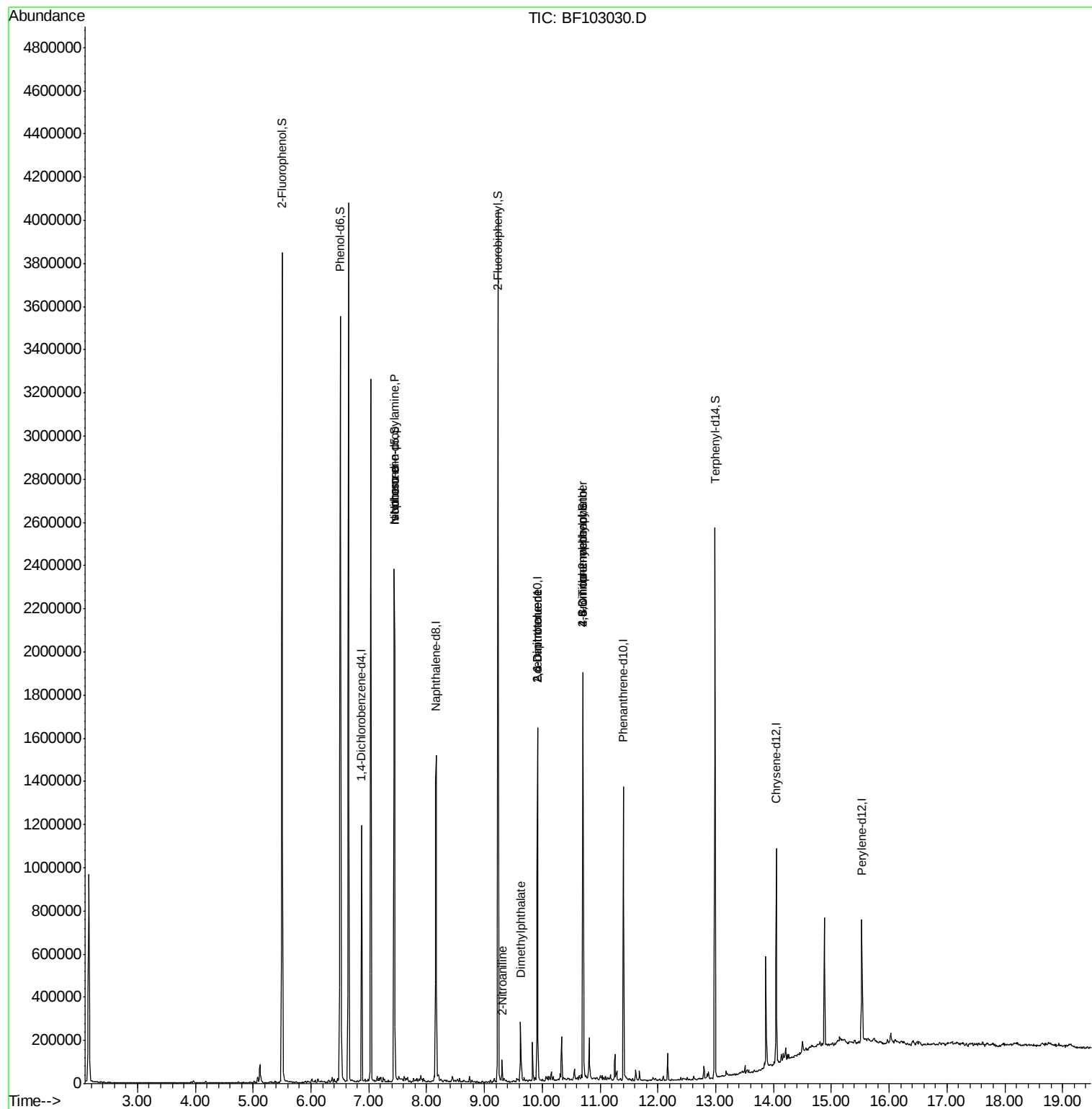
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	170134	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	713866	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	298644	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	441696	20.00	ng	0.00
75) Chrysene-d12	14.04	240	310540	20.00	ng	0.00
86) Perylene-d12	15.53	264	262130	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1153498	102.96	ng	0.01
7) Phenol-d6	6.51	99	1370898	101.63	ng	0.00
23) Nitrobenzene-d5	7.44	82	806097	78.33	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	214114	89.08	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1235949	68.67	ng	0.00
78) Terphenyl-d14	12.99	244	839248	63.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	107945	12.14	ng	# 80
25) Isophorone	7.44	82	806091	34.02	ng	# 64
47) 2-Nitroaniline	9.31	65	109	3.49	ng	# 2
49) Dimethylphthalate	9.62	163	106478	4.57	ng	100
50) 2,6-Dinitrotoluene	9.92	165	38880	8.78	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	38880	9.20	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	473	9.03	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	14141	3.03	ng	# 1

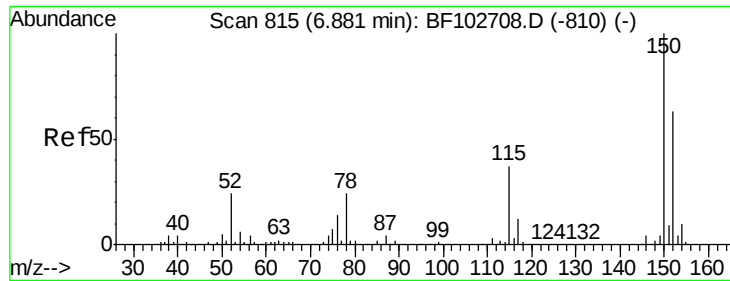
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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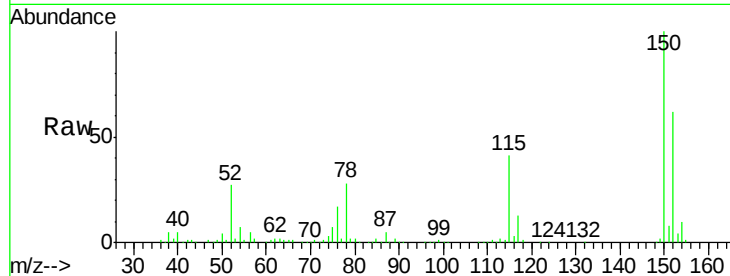


#1

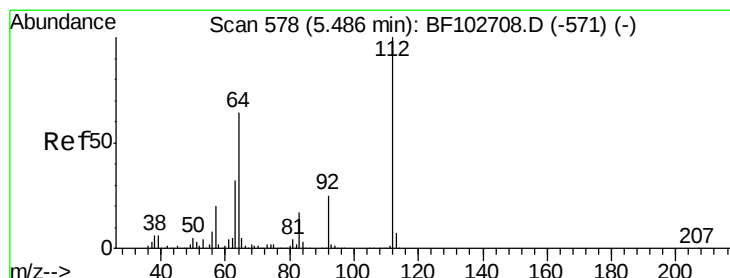
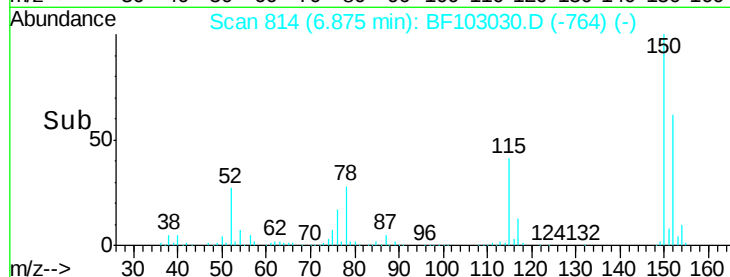
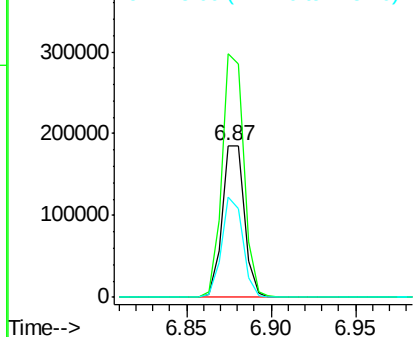
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103030.D
Acq: 15 Feb 2018 20:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 170134
Ion Ratio Lower Upper
152 100
150 160.4 124.6 186.8
115 66.0 50.1 75.1



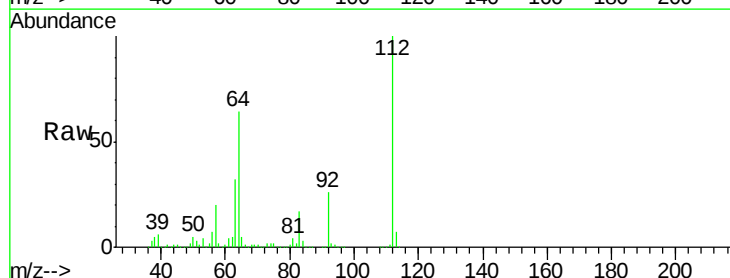
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



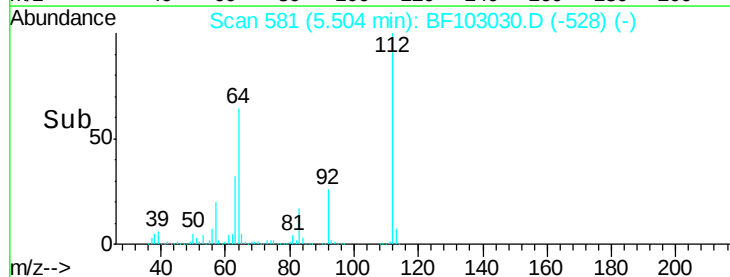
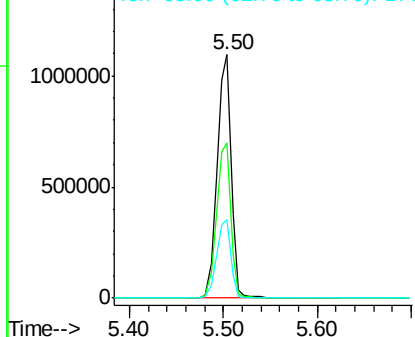
#5

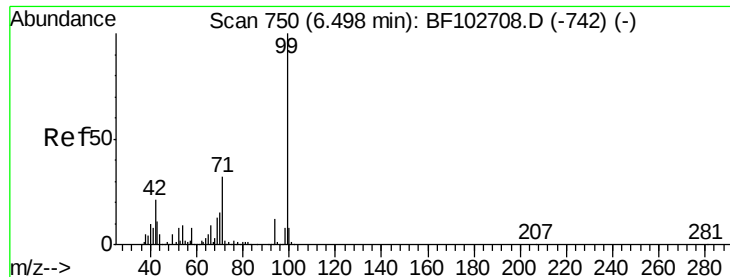
2-Fluorophenol
Concen: 102.96 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103030.D
Acq: 15 Feb 2018 20:59

Tgt Ion:112 Resp: 1153498
Ion Ratio Lower Upper
112 100
64 63.8 47.9 71.9
63 32.0 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: 101.63 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103030.D

Acq: 15 Feb 2018 20:59

Instrument :

BNA_F

ClientSampleId :

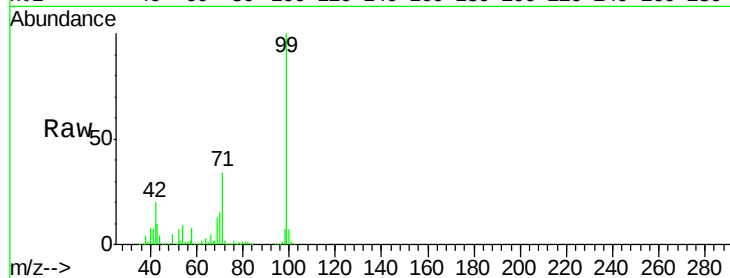
Tot Ion: 99 Resp: 1370898

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

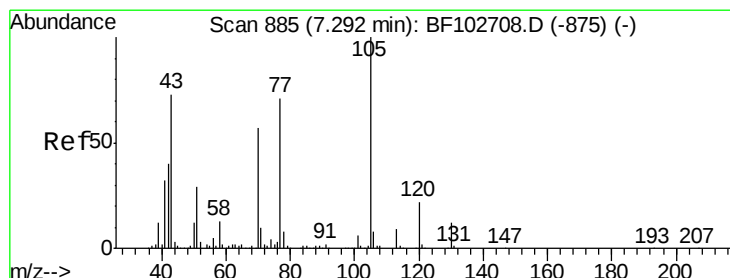
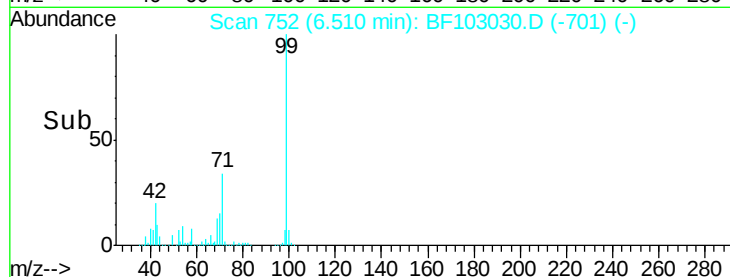
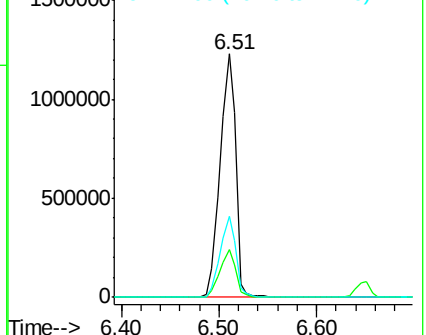
71 33.5 25.4 38.0



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: 12.14 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103030.D

Acq: 15 Feb 2018 20:59

Tgt Ion: 70 Resp: 107945

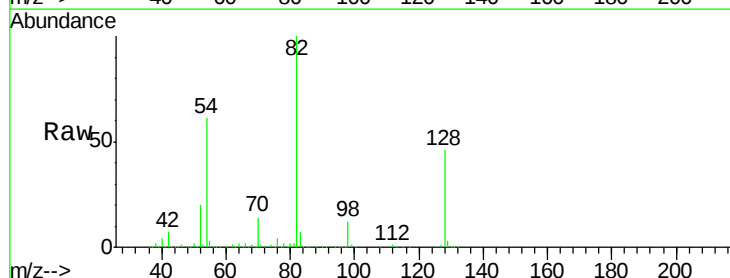
Ion Ratio Lower Upper

70 100

42 50.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

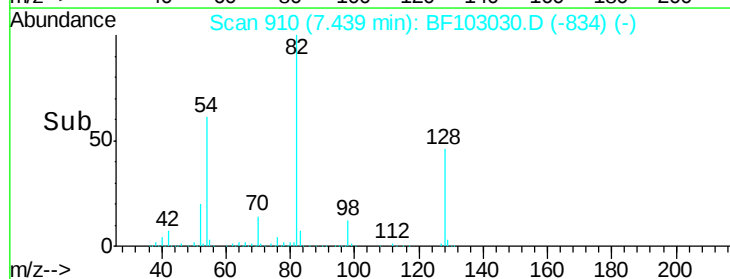
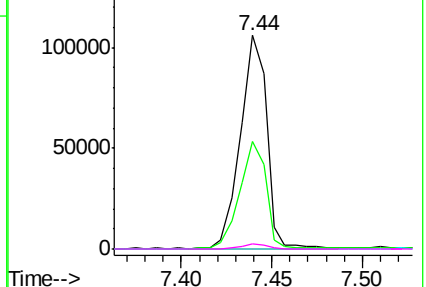


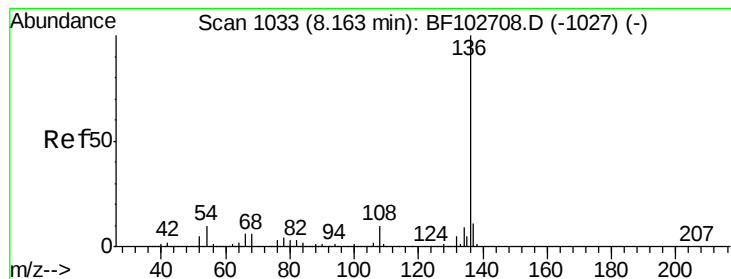
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF103030.D

Acq: 15 Feb 2018 20:59

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 713866

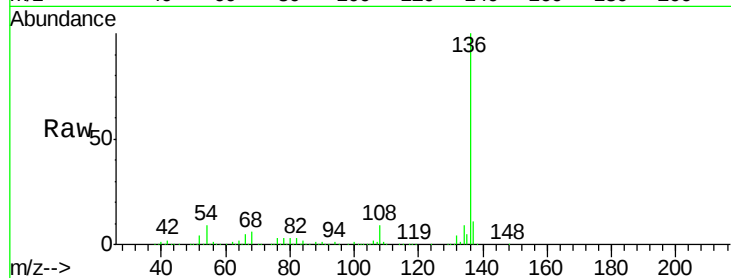
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 8.7 6.6 9.8

68 6.1 5.0 7.4

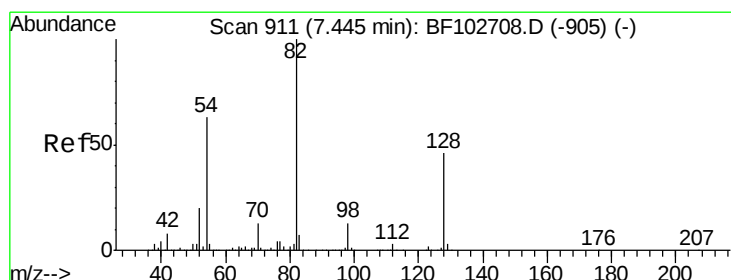
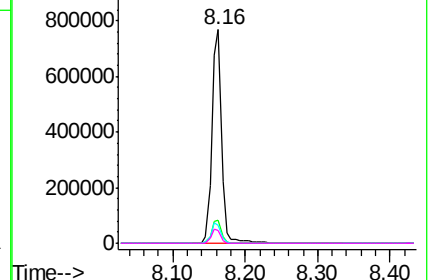
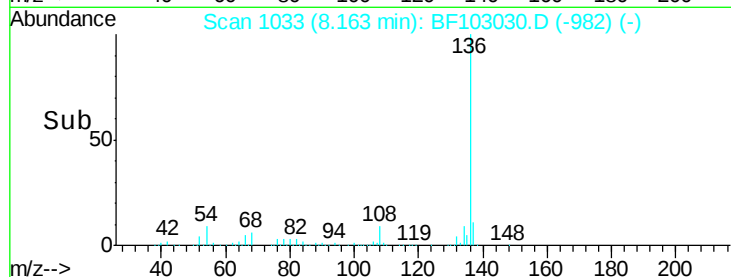


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.33 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103030.D

Acq: 15 Feb 2018 20:59

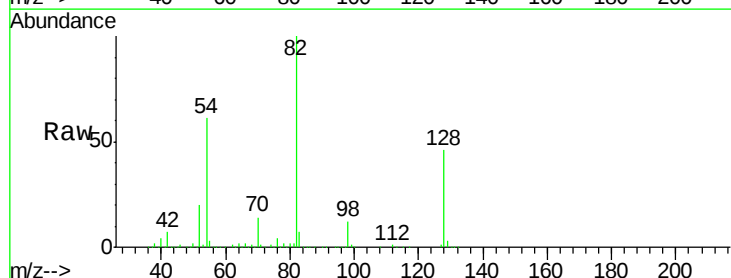
Tgt Ion: 82 Resp: 806097

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

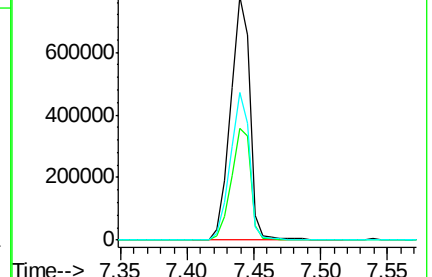
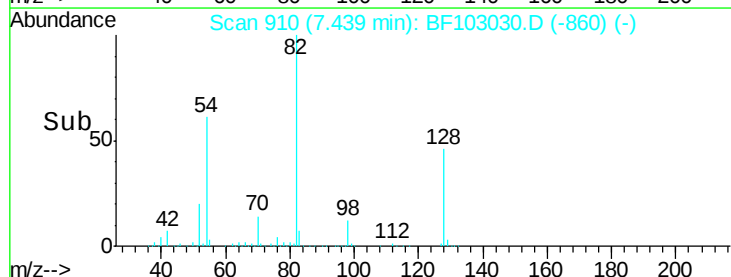
54 60.6 41.4 62.2

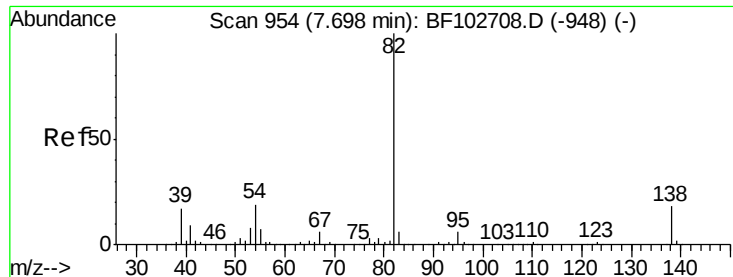


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.02 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103030.D

Acq: 15 Feb 2018 20:59

Instrument :

BNA_F

ClientSampleId :

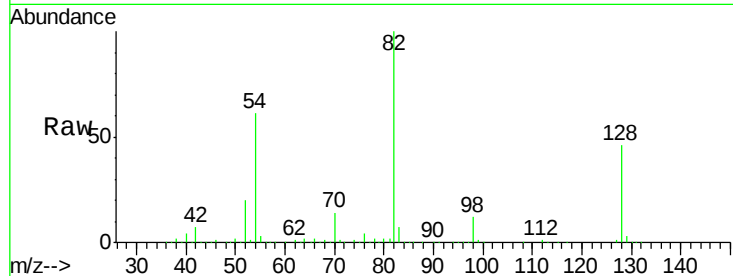
Tot Ion: 82 Resp: 806091

Ion Ratio Lower Upper

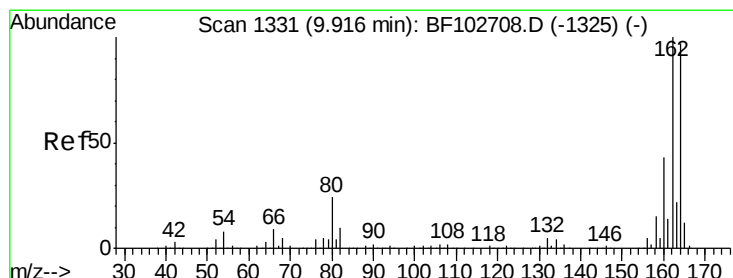
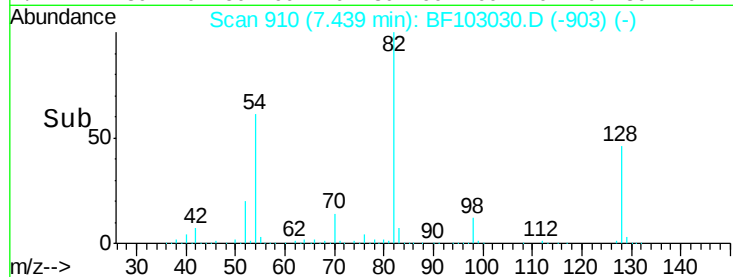
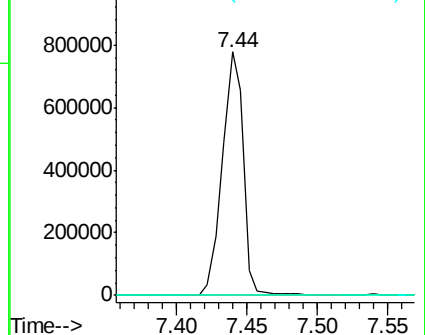
82 100

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: BF103030.D

Acq: 15 Feb 2018 20:59

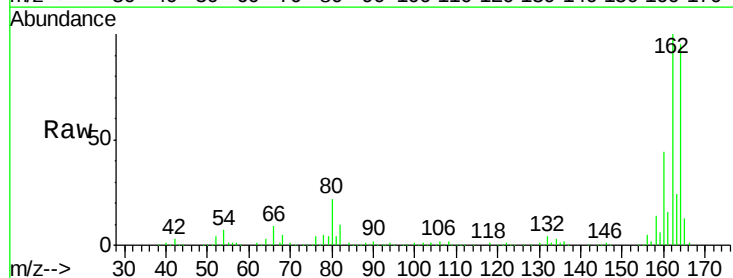
Tgt Ion: 164 Resp: 298644

Ion Ratio Lower Upper

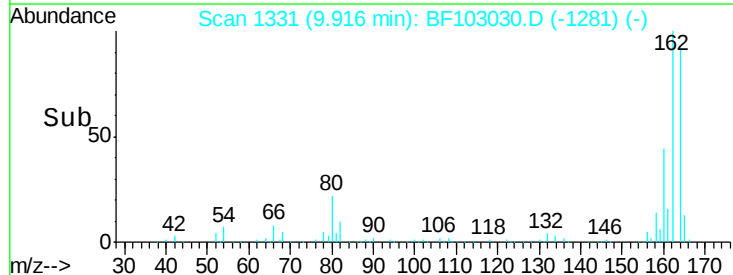
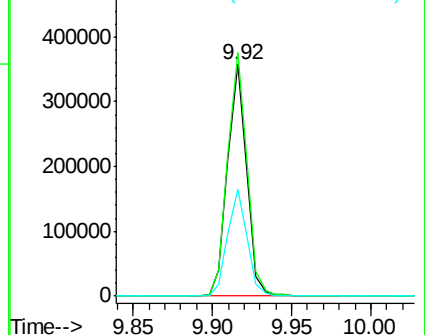
164 100

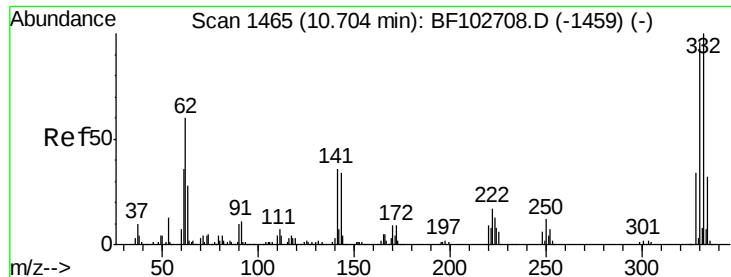
162 105.1 86.1 129.1

160 46.1 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

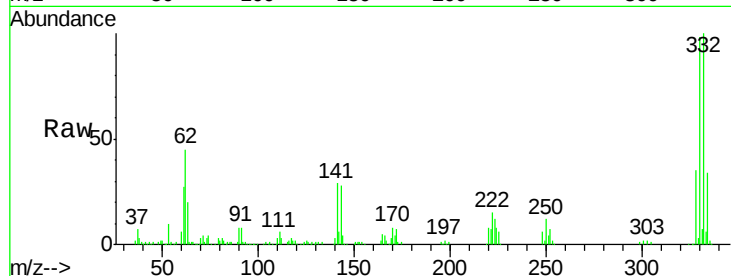




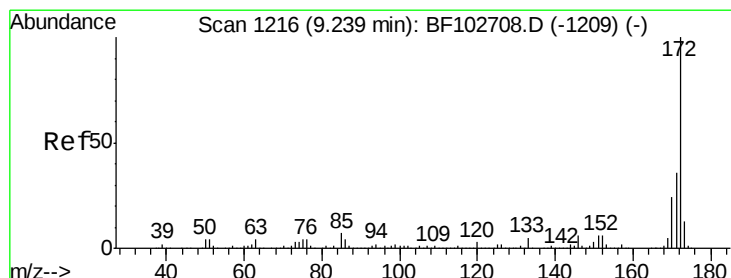
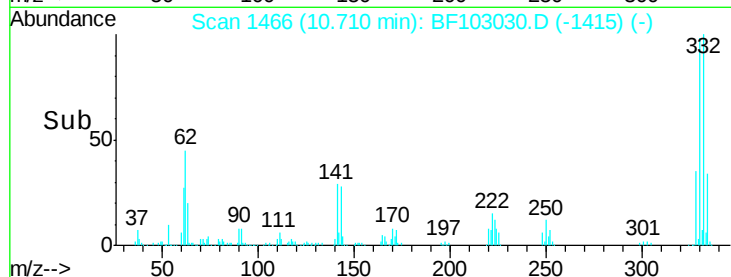
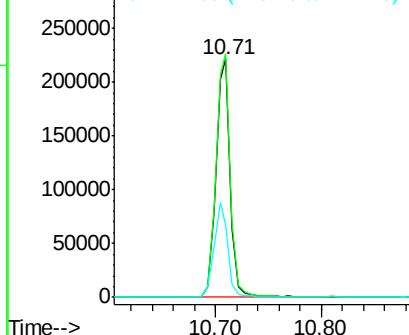
#41
 2,4,6-Tribromophenol
 Concen: 89.08 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103030.D
 Acq: 15 Feb 2018 20:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.0	77.0	115.6
141	38.6	29.9	44.9

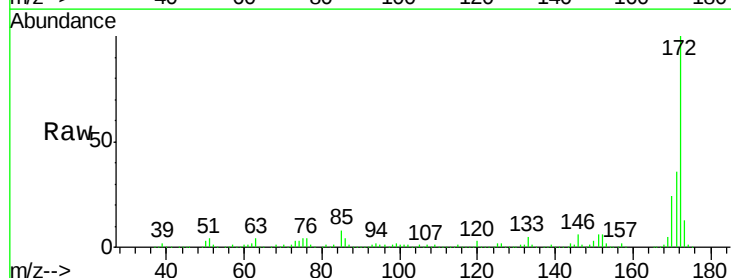


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

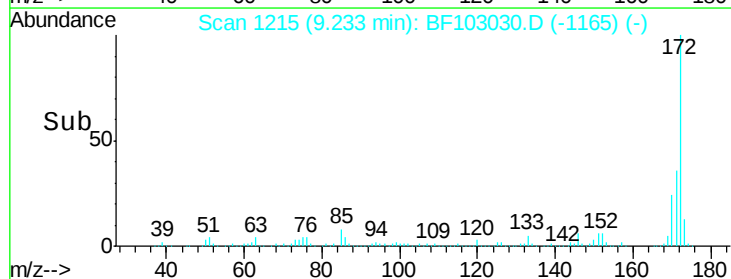
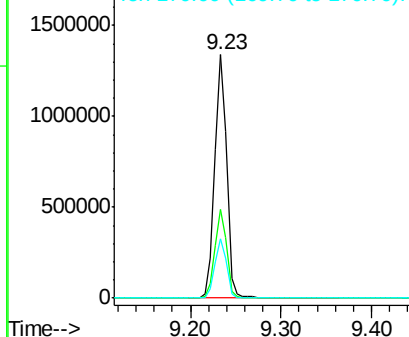


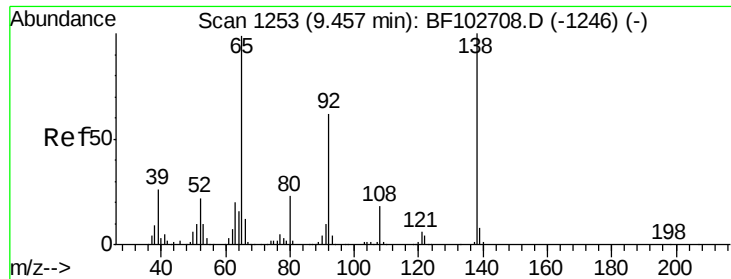
#44
 2-Fluorobiphenyl
 Concen: 68.67 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103030.D
 Acq: 15 Feb 2018 20:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.4	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: 3.49 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.15 min

Lab File: BF103030.D

Acq: 15 Feb 2018 20:59

Instrument :

BNA_F

ClientSampleId :

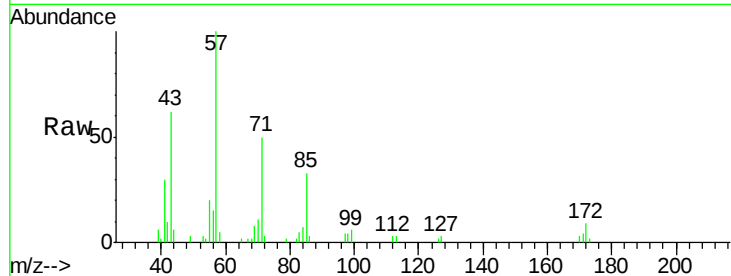
Tot Ion: 65 Resp: 109

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

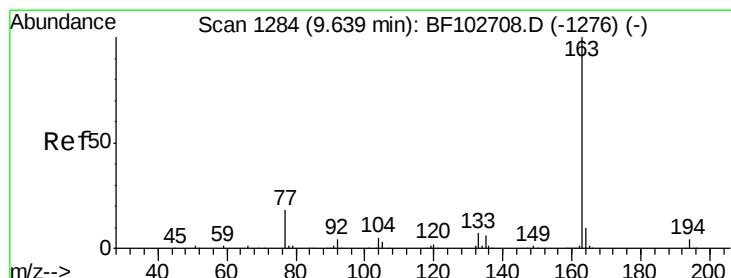
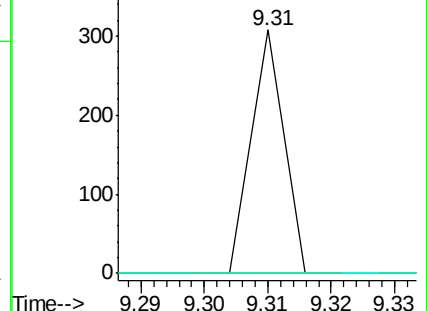
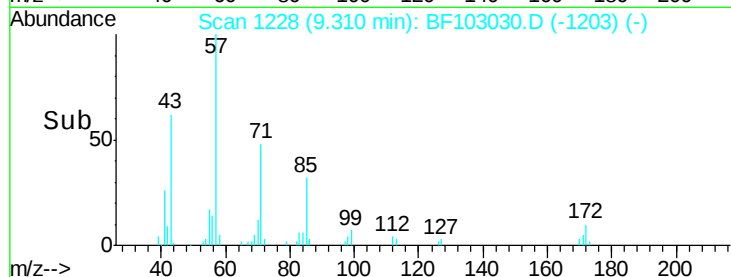
138 0.0 91.2 136.8#



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



#49

Dimethylphthalate

Concen: 4.57 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103030.D

Acq: 15 Feb 2018 20:59

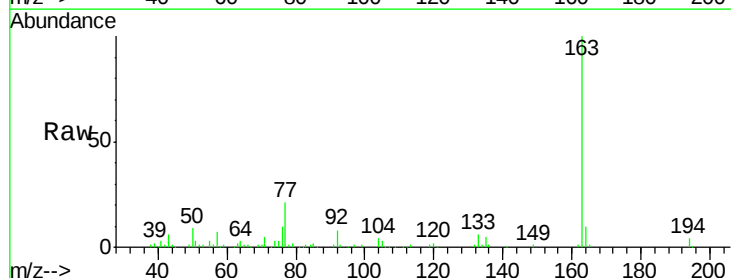
Tgt Ion: 163 Resp: 106478

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

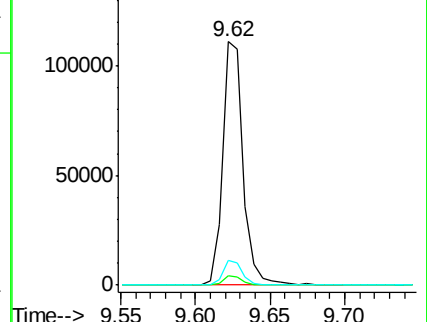
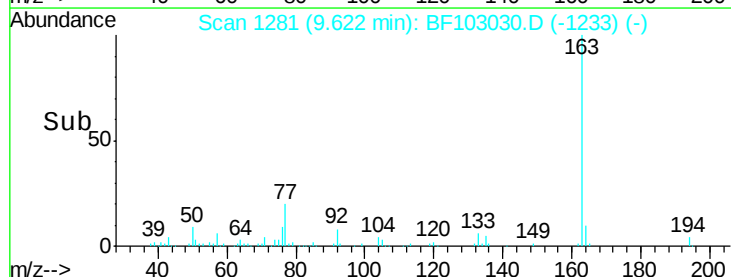
164 10.2 8.2 12.2

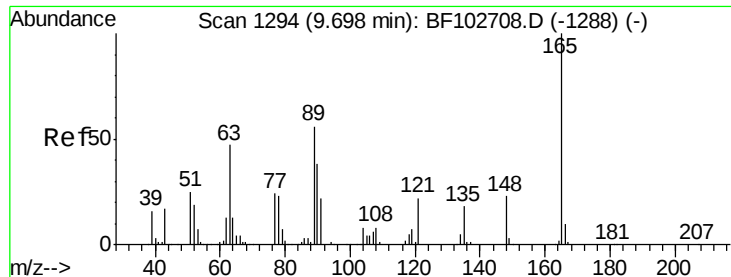


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

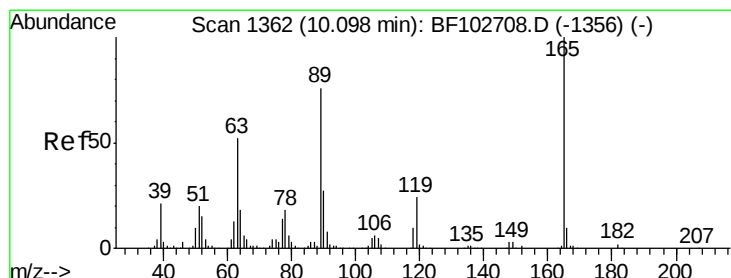
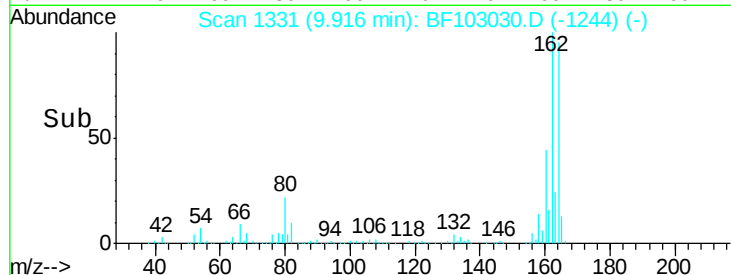
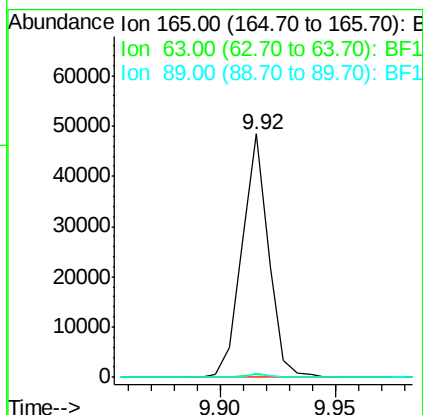
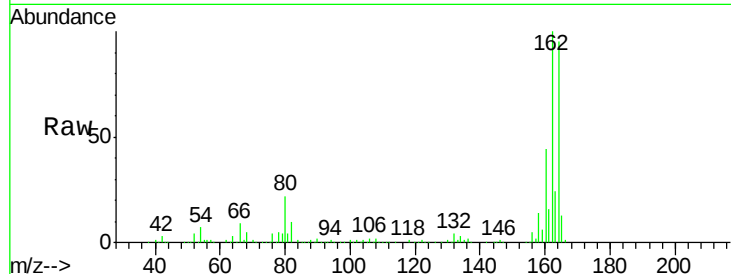




#50
 2,6-Dinitrotoluene
 Concen: 8.78 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103030.D
 Acq: 15 Feb 2018 20:59

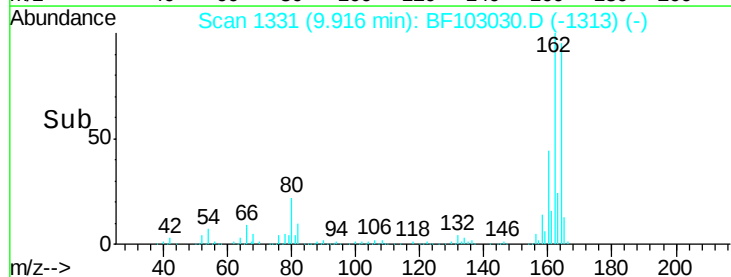
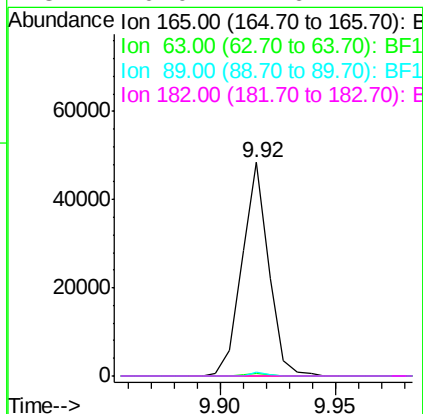
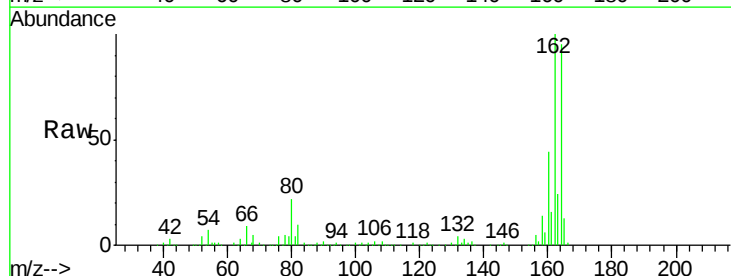
Instrument :
 BNA_F
 ClientSampleId :

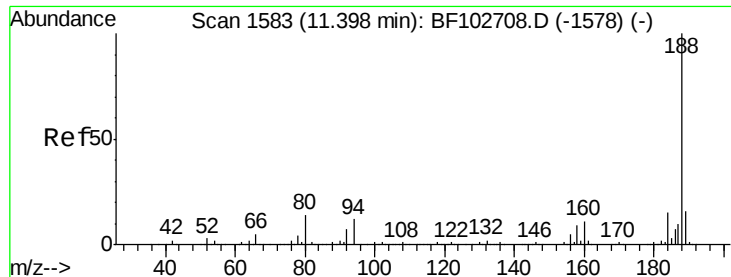
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.7	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 9.20 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103030.D
 Acq: 15 Feb 2018 20:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

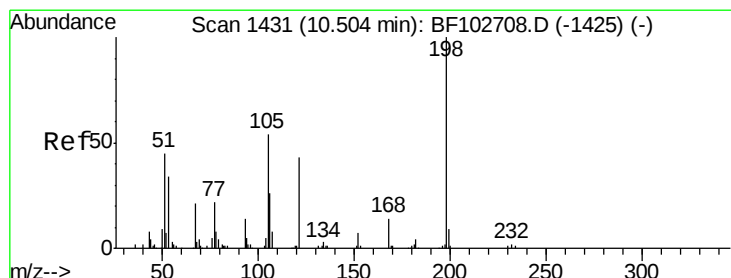
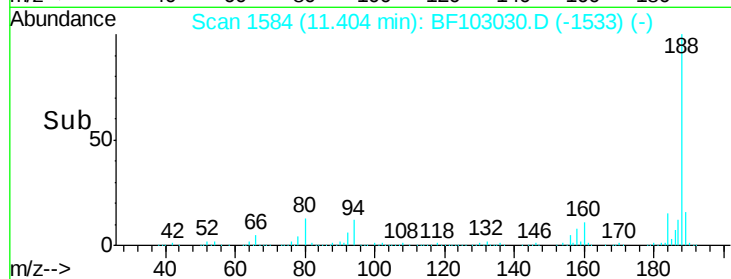
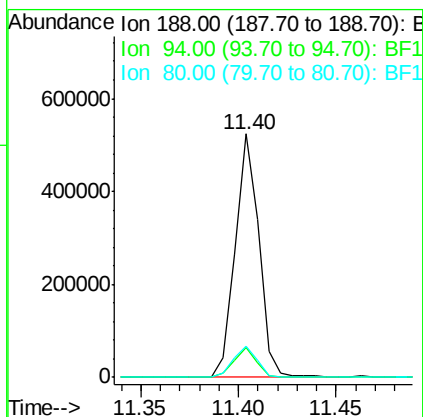
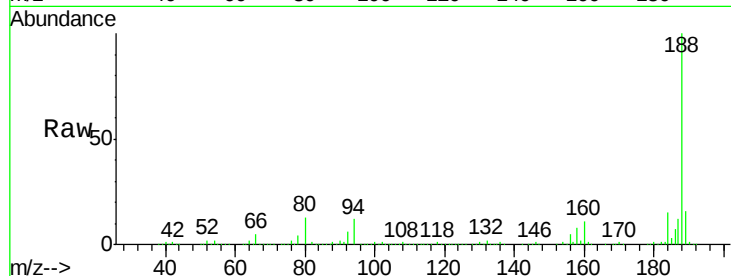




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF103030.D
Acq: 15 Feb 2018 20:59

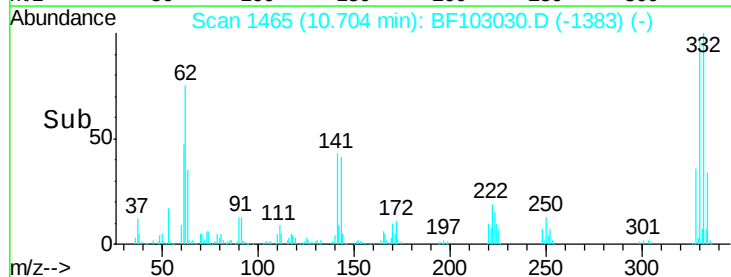
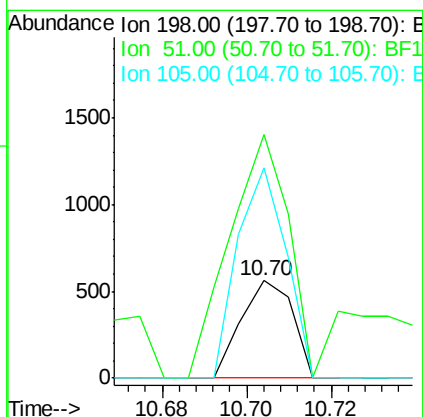
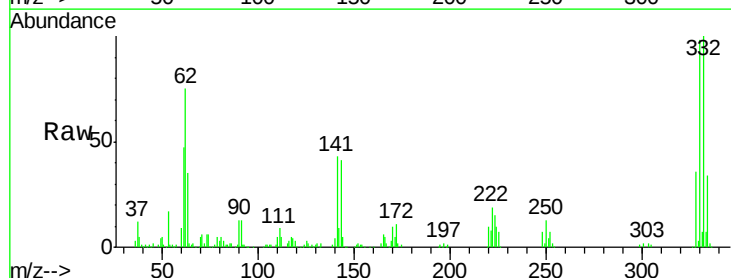
Instrument :
BNA_F
ClientSampleId :

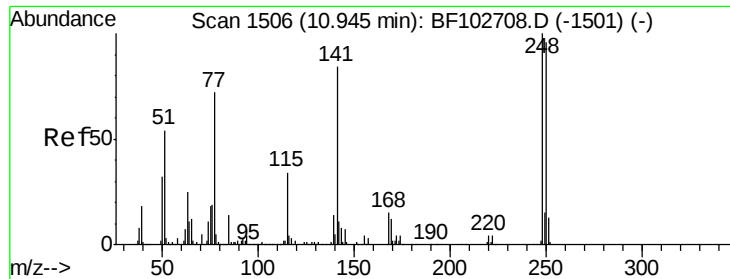
Tot Ion:188 Resp: 441696
Ion Ratio Lower Upper
188 100
94 12.2 8.5 12.7
80 12.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.03 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103030.D
Acq: 15 Feb 2018 20:59

Tgt Ion:198 Resp: 473
Ion Ratio Lower Upper
198 100
51 249.6 37.7 77.7#
105 215.7 36.3 76.3#

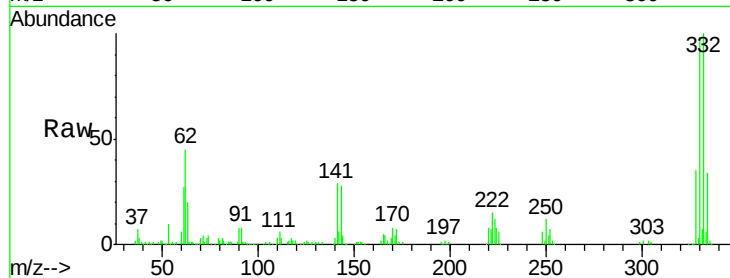




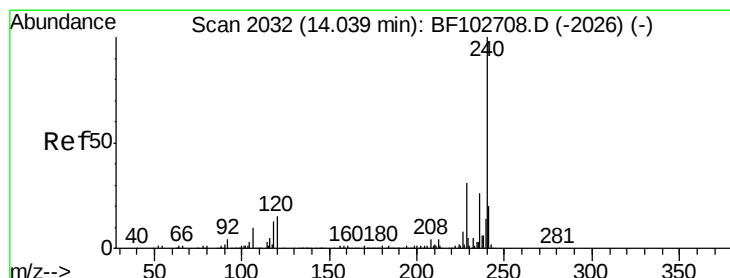
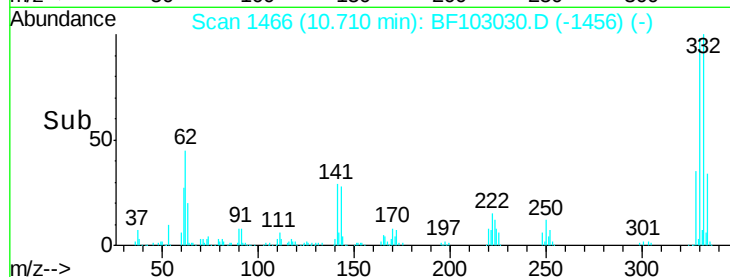
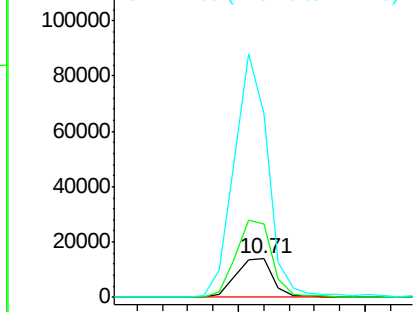
#66
 4-Bromophenyl-phenylether
 Concen: 3.03 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103030.D
 Acq: 15 Feb 2018 20:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14141
 Ion Ratio Lower Upper
 248 100
 250 191.1 76.9 115.3#
 141 480.9 74.4 111.6#

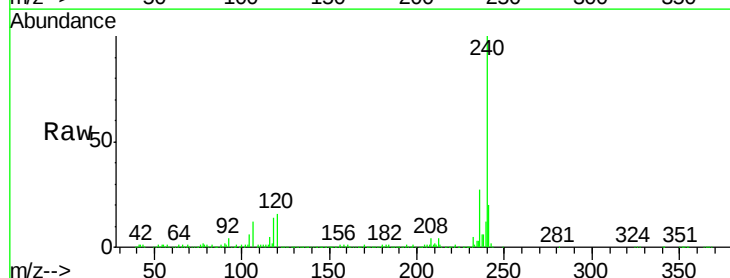


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

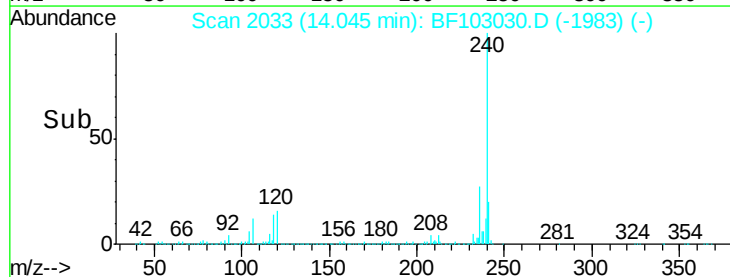
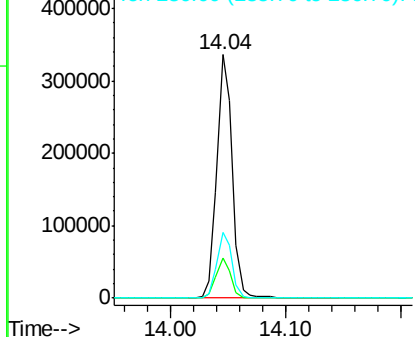


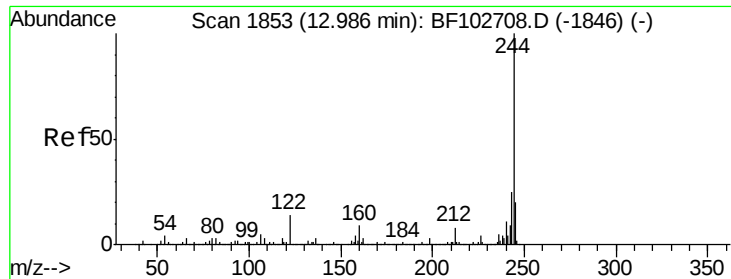
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF103030.D
 Acq: 15 Feb 2018 20:59

Tgt Ion:240 Resp: 310540
 Ion Ratio Lower Upper
 240 100
 120 16.2 9.5 14.3#
 236 27.0 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: 63.99 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103030.D

Acq: 15 Feb 2018 20:59

Instrument :

BNA_F

ClientSampleId :

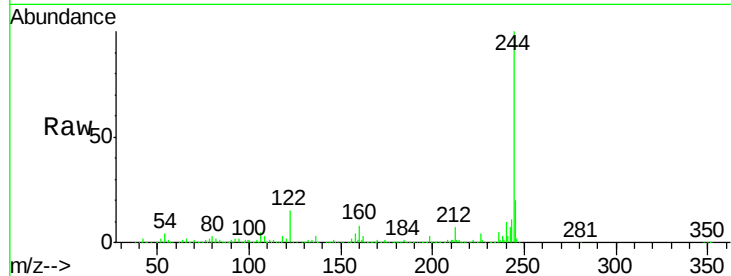
Tot Ion:244 Resp: 839248

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

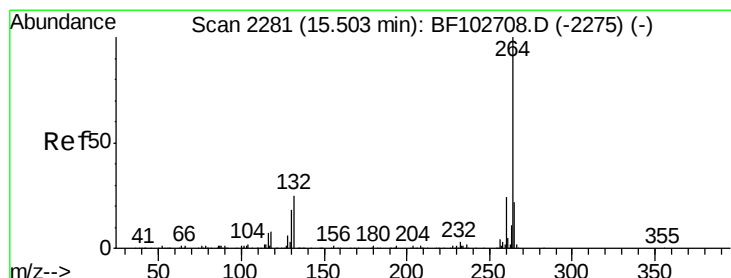
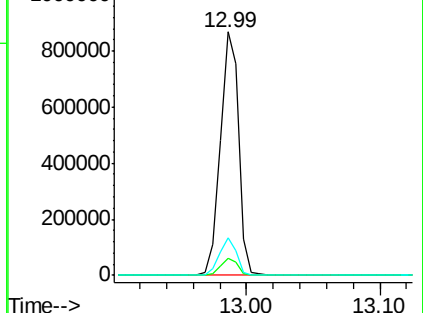
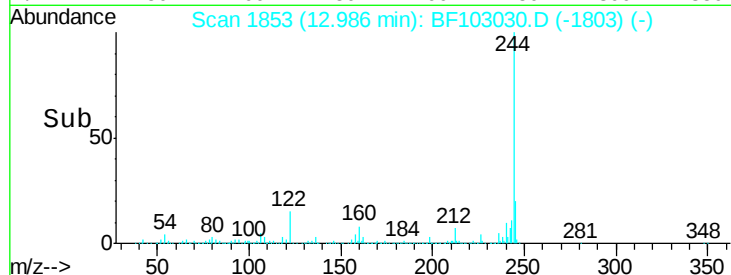
122 15.2 11.0 16.4



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: 20.00 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BF103030.D

Acq: 15 Feb 2018 20:59

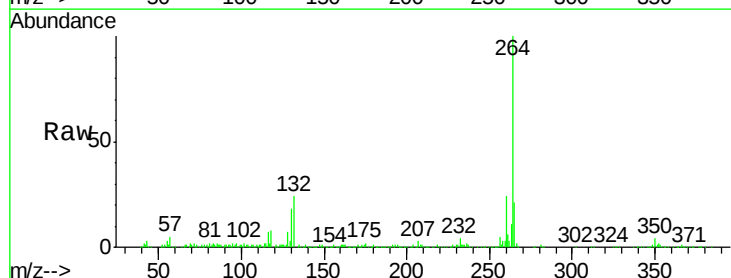
Tgt Ion:264 Resp: 262130

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 20.7 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

