

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103108.D
 Acq On : 20 Feb 2018 3:33
 Operator : SJ/JU
 Sample : J1604-09
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 04:30:55 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

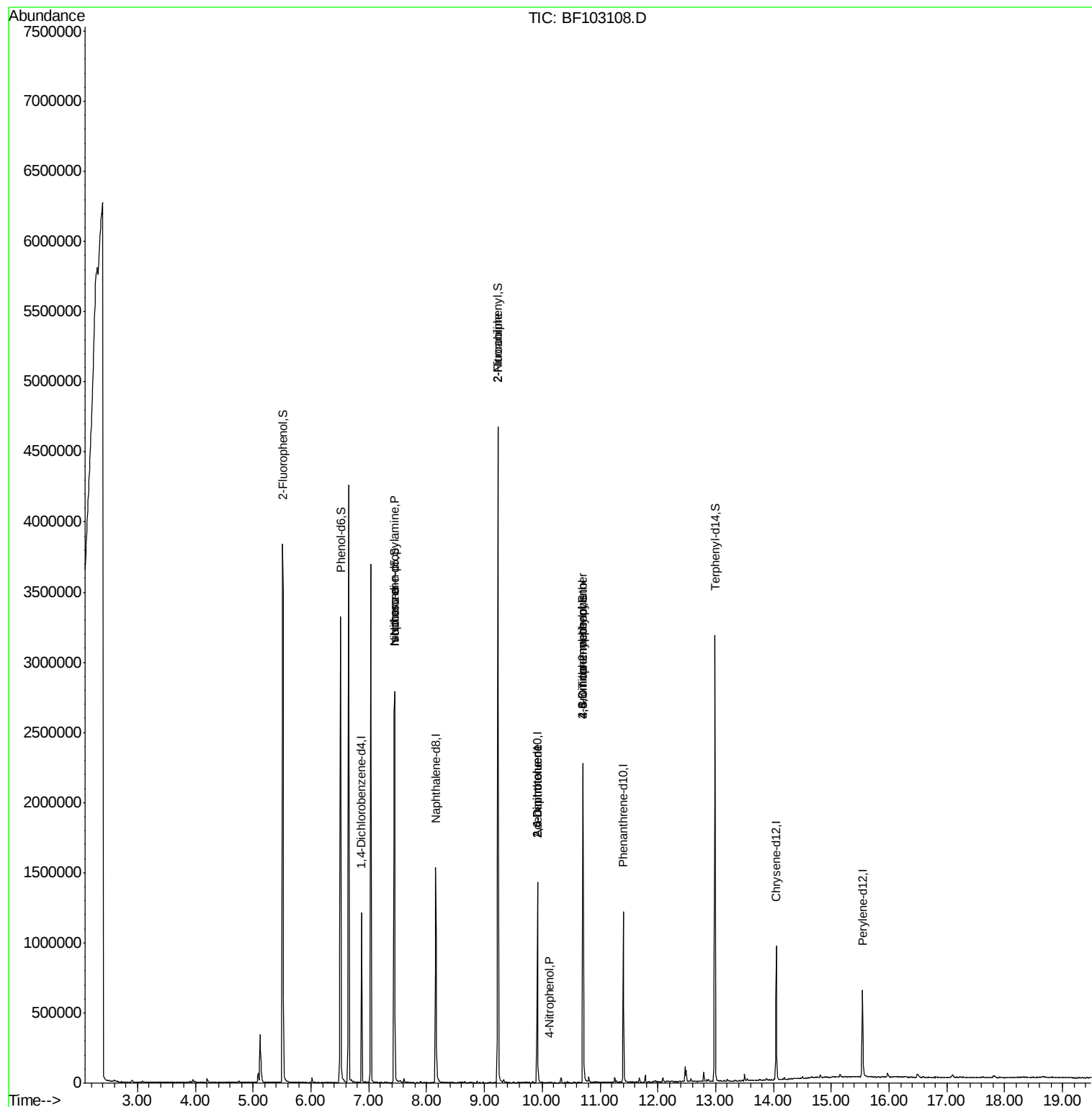
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	167069	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	703653	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	299787	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	448431	20.00	ng	0.00
75) Chrysene-d12	14.04	240	313496	20.00	ng	-0.01
86) Perylene-d12	15.54	264	283057	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1223005	111.17	ng	0.02
7) Phenol-d6	6.52	99	1322120	99.81	ng	0.00
23) Nitrobenzene-d5	7.45	82	1029247	101.47	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	294553	122.07	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1584372	87.70	ng	0.00
78) Terphenyl-d14	12.99	244	1175570	88.79	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	135867	15.56	ng	# 80
25) Isophorone	7.45	82	1029231	44.07	ng	# 64
47) 2-Nitroaniline	9.23	65	2982	3.92	ng	# 10
50) 2,6-Dinitrotoluene	9.91	165	37972	8.54	ng	# 25
55) 4-Nitrophenol	10.12	139	201	4.07	ng	# 9
56) 2,4-Dinitrotoluene	9.91	165	37972	9.03	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	621	9.10	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	19154	4.04	ng	# 1

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

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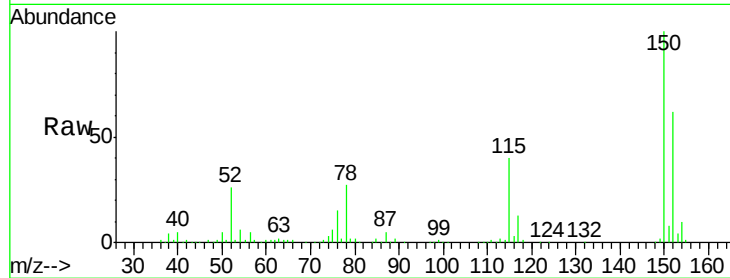


#1

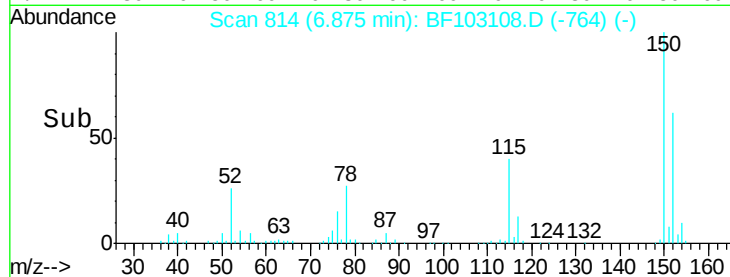
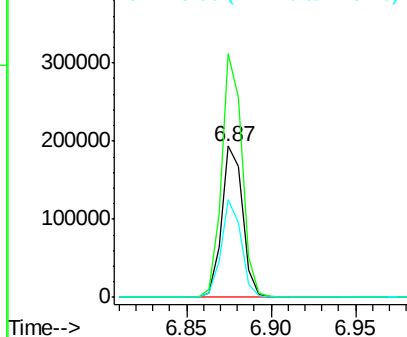
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103108.D
Acq: 20 Feb 2018 3:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 167069
Ion Ratio Lower Upper
152 100
150 161.1 124.6 186.8
115 64.7 50.1 75.1



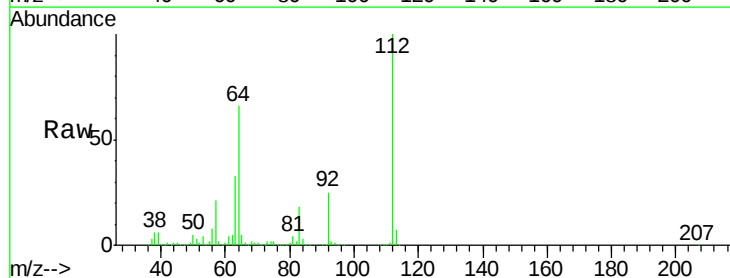
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



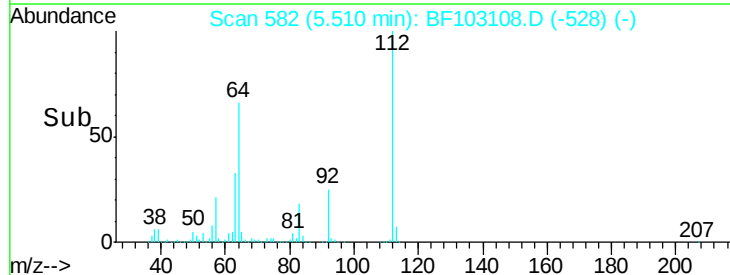
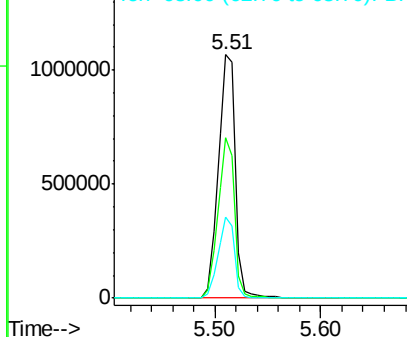
#5

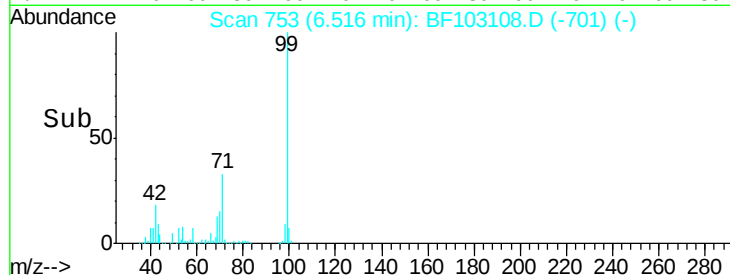
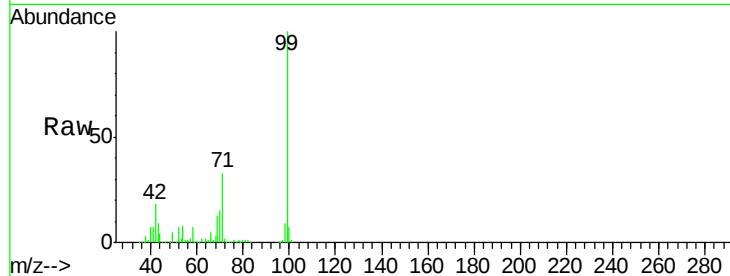
2-Fluorophenol
Concen: 111.17 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF103108.D
Acq: 20 Feb 2018 3:33

Tgt Ion:112 Resp: 1223005
Ion Ratio Lower Upper
112 100
64 66.0 47.9 71.9
63 33.4 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: 99.81 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103108.D

Acq: 20 Feb 2018 3:33

Instrument :

BNA_F

ClientSampleId :

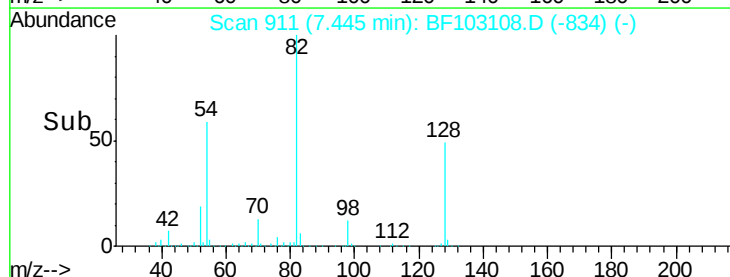
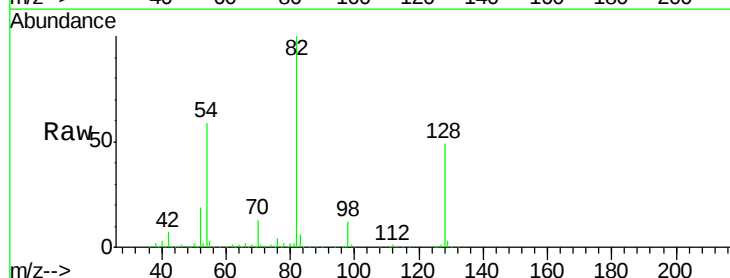
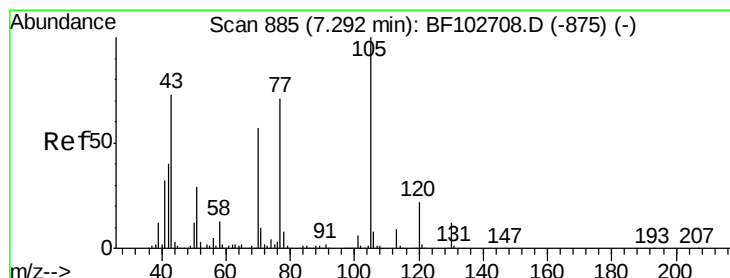
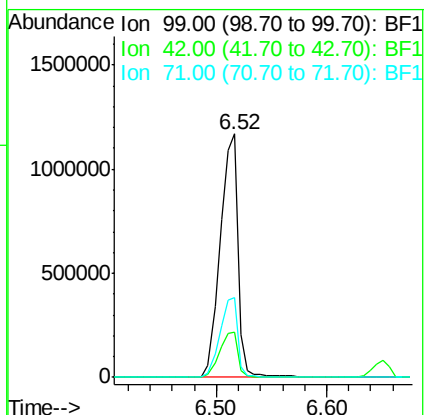
Tot Ion: 99 Resp: 1322120

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

71 32.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.56 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103108.D

Acq: 20 Feb 2018 3:33

Tgt Ion: 70 Resp: 135867

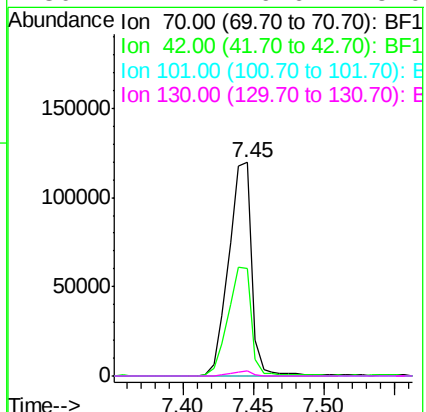
Ion Ratio Lower Upper

70 100

42 50.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

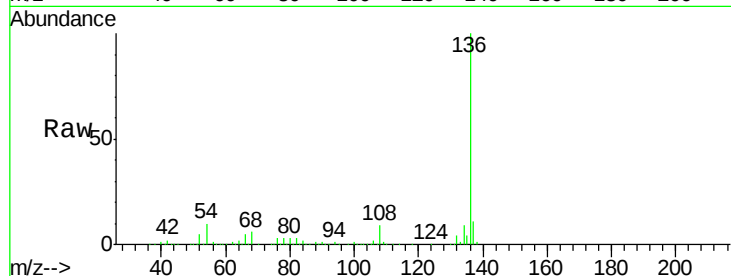




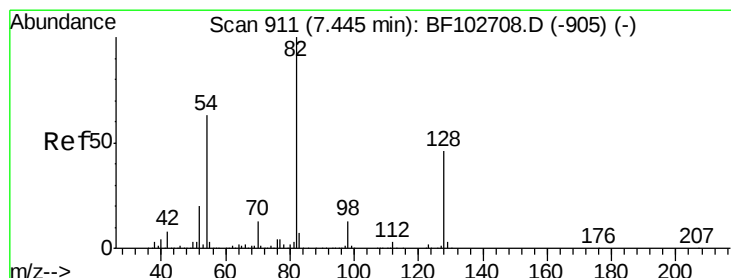
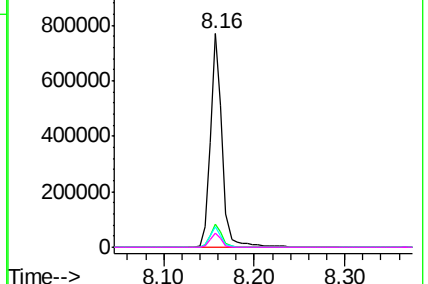
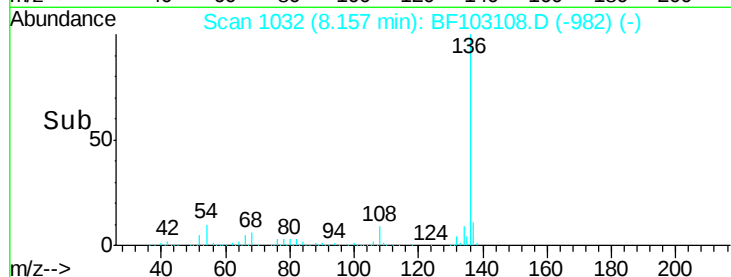
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103108.D
Acq: 20 Feb 2018 3:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	703653
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	9.7	6.6 9.8
68	6.4	5.0 7.4

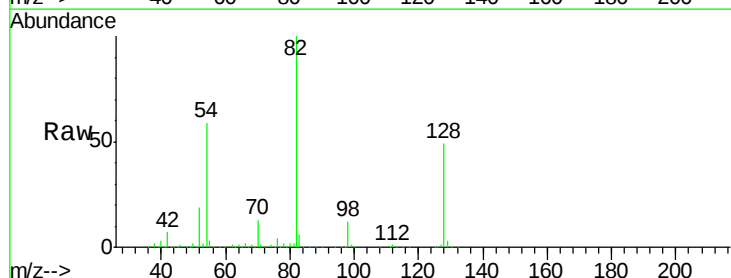


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

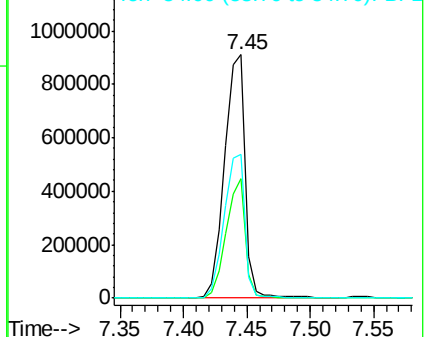
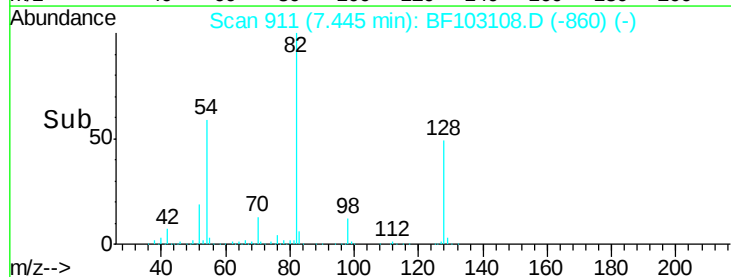


#23
Nitrobenzene-d5
Concen: 101.47 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF103108.D
Acq: 20 Feb 2018 3:33

Tgt Ion: 82	Resp:	1029247
Ion Ratio	Lower	Upper
82	100	
128	49.3	36.1 54.1
54	58.8	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: 44.07 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF103108.D

Acq: 20 Feb 2018 3:33

Instrument :

BNA_F

ClientSampled :

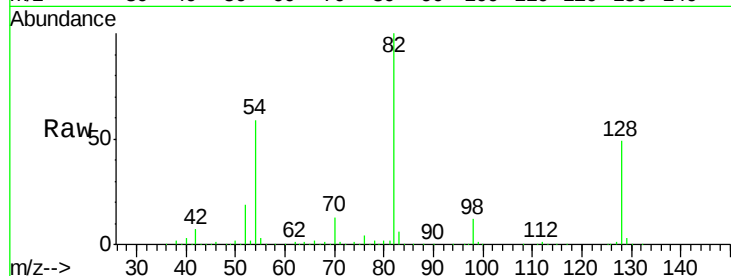
Tot Ion: 82 Resp: 1029231

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

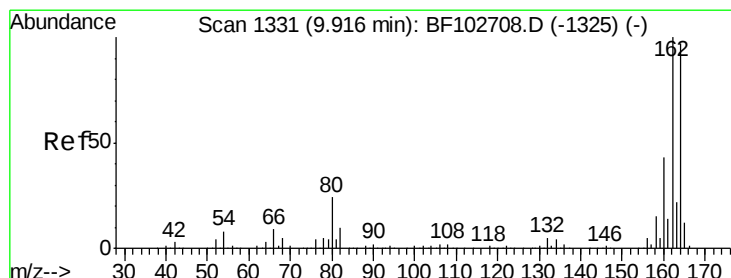
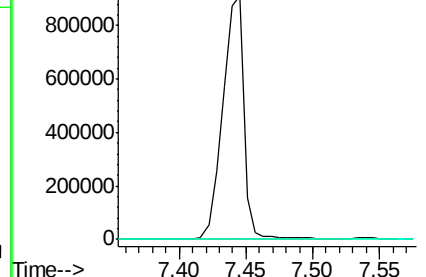
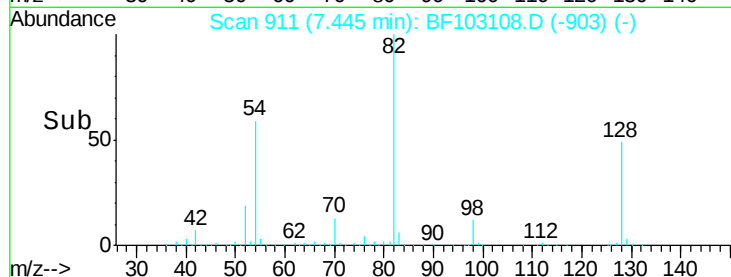
138 0.0 14.9 22.3#



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: BF103108.D

Acq: 20 Feb 2018 3:33

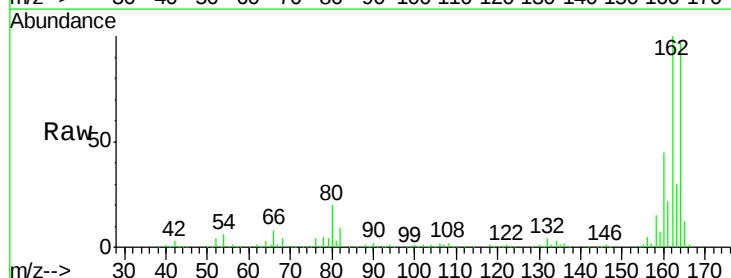
Tgt Ion:164 Resp: 299787

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

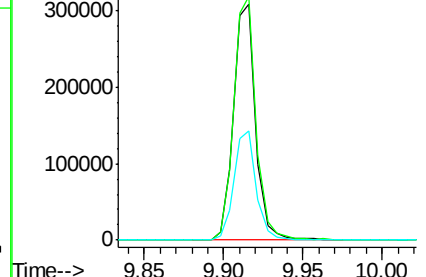
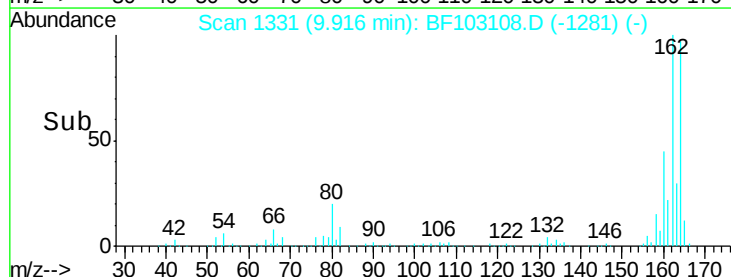
160 46.6 38.3 57.5

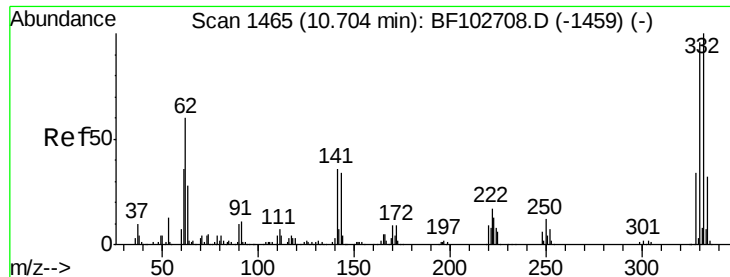


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

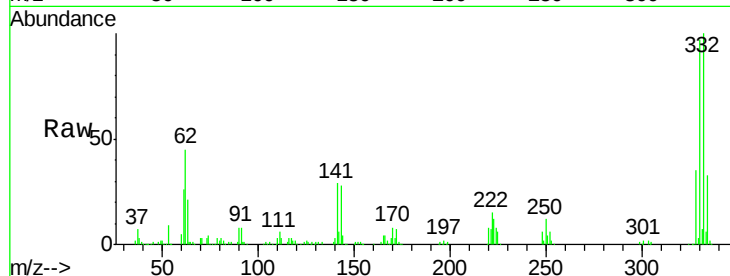




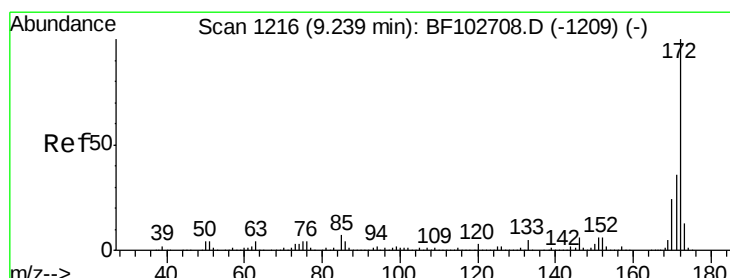
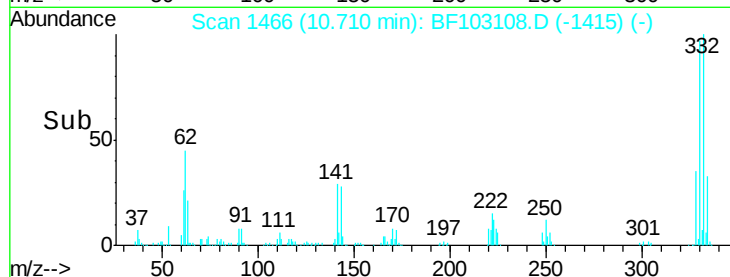
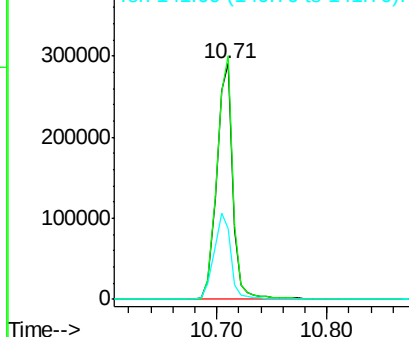
#41
 2,4,6-Tribromophenol
 Concen: 122.07 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103108.D
 Acq: 20 Feb 2018 3:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.2	77.0	115.6
141	38.3	29.9	44.9

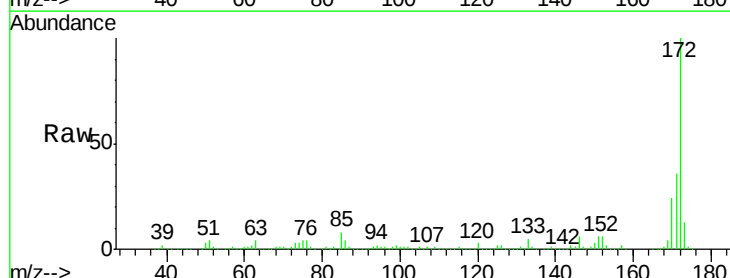


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

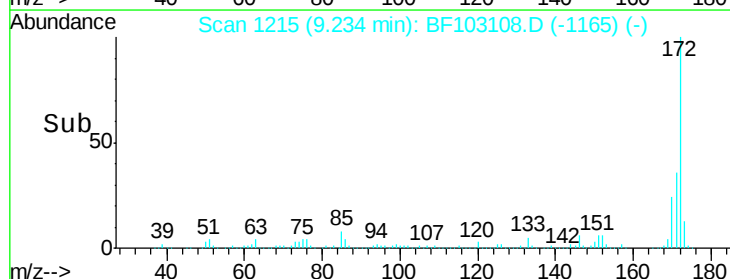
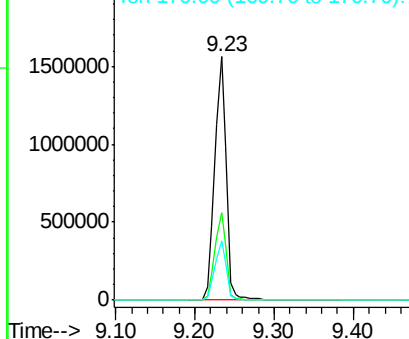


#44
 2-Fluorobiphenyl
 Concen: 87.70 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103108.D
 Acq: 20 Feb 2018 3:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.2	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

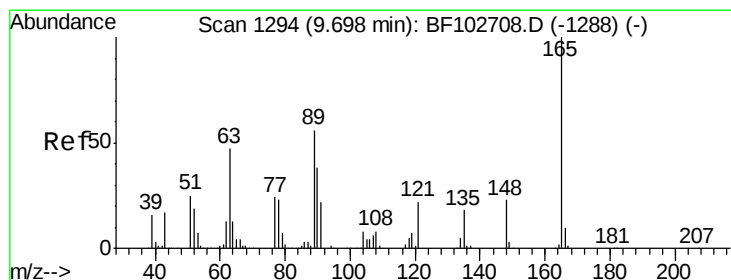
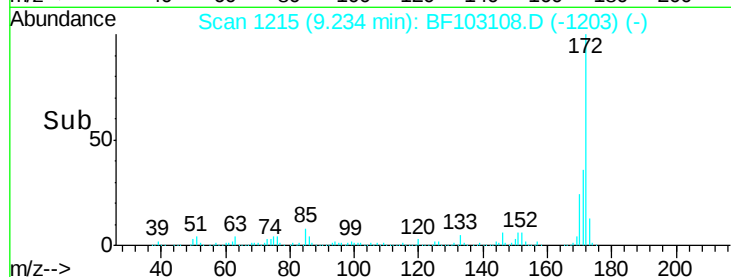
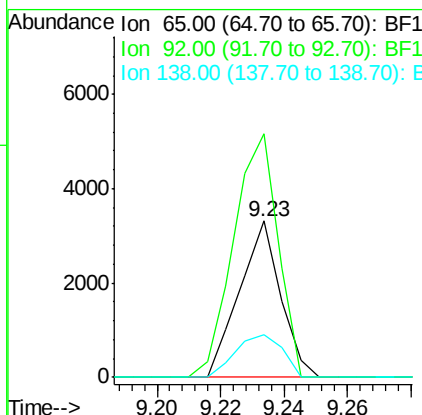
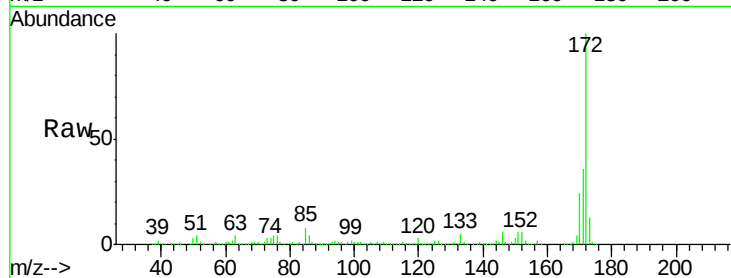




#47
2-Nitroaniline
Concen: 3.92 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.23 min
Lab File: BF103108.D
Acq: 20 Feb 2018 3:33

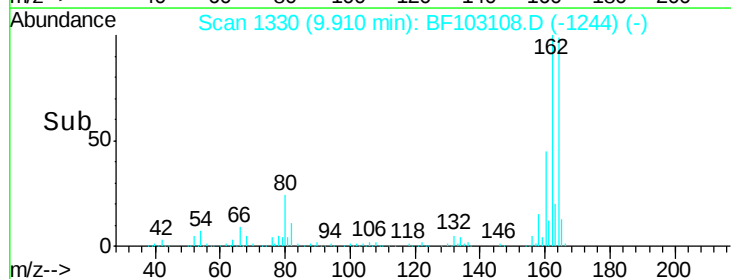
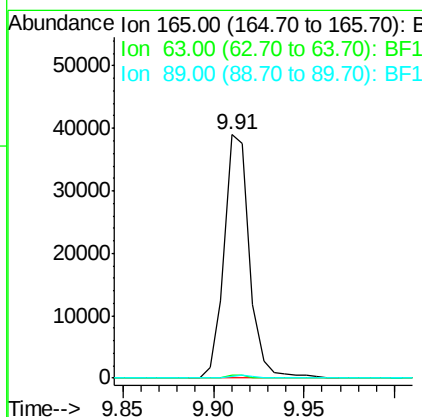
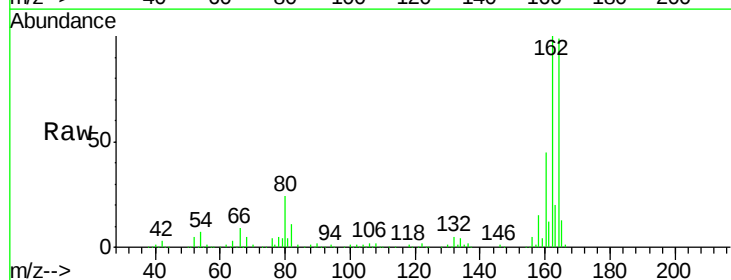
Instrument :
BNA_F
ClientSampleId :

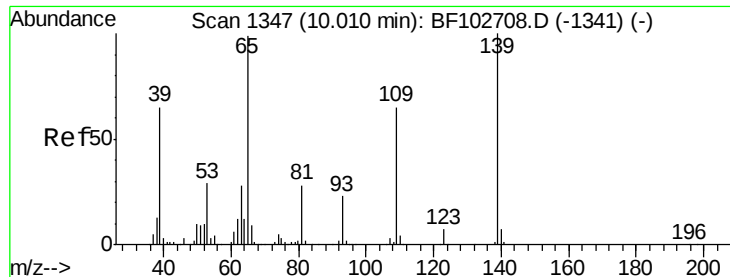
Tot Ion	65	92	138	Resp	2982
Ion Ratio	100	156.0	27.7	Lower	Upper
		55.8	91.2		
		83.6#	136.8#		



#50
2,6-Dinitrotoluene
Concen: 8.54 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103108.D
Acq: 20 Feb 2018 3:33

Tgt Ion	165	Resp	37972
Ion Ratio	100	Lower	Upper
	63	1.2	44.7
	89	0.9	44.0
			66.0#

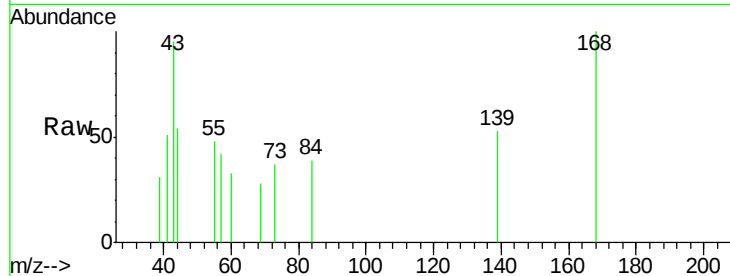




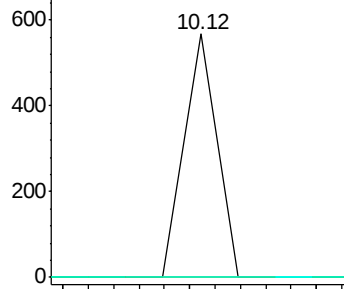
#55
4-Nitrophenol
Concen: 4.07 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.09 min
Lab File: BF103108.D
Acq: 20 Feb 2018 3:33

Instrument :
BNA_F
ClientSampled :

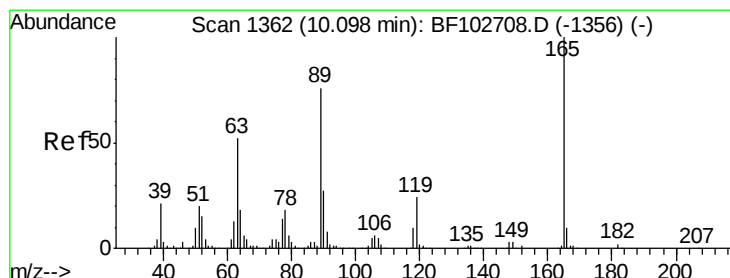
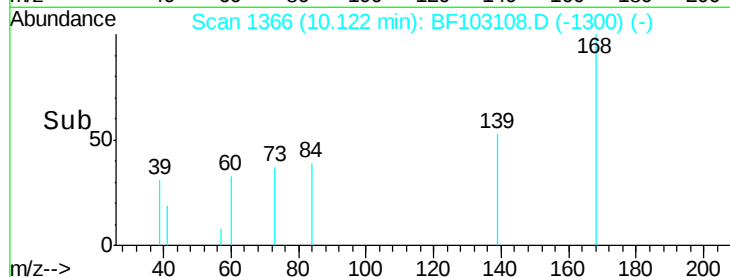
Tot Ion:139 Resp: 201
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

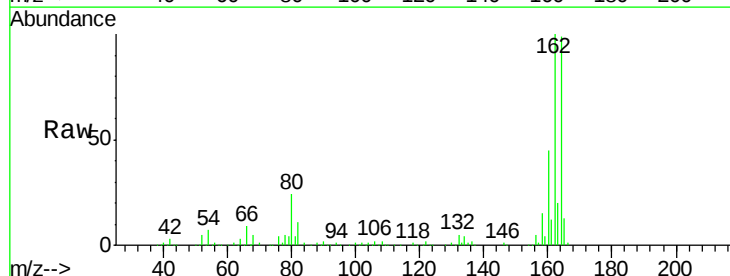


Time--> 10.10 10.12 10.14

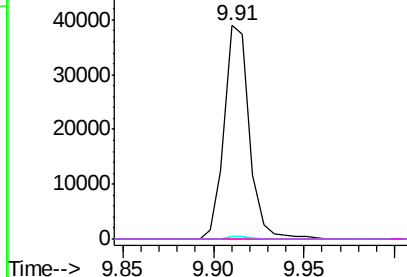


#56
2,4-Dinitrotoluene
Concen: 9.03 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.20 min
Lab File: BF103108.D
Acq: 20 Feb 2018 3:33

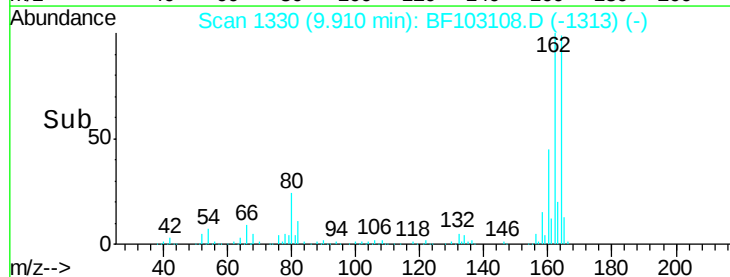
Tgt Ion:165 Resp: 37972
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 0.9 57.8 86.6#
182 0.0 1.6 2.4#

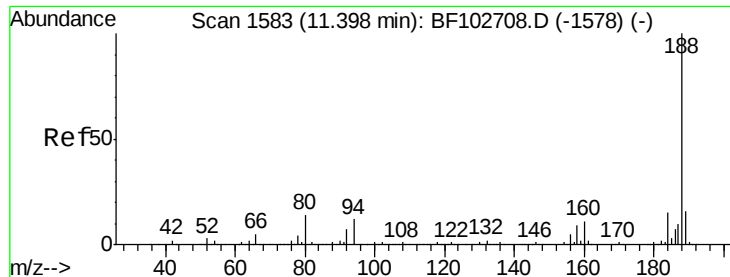


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E



Time--> 9.85 9.90 9.95

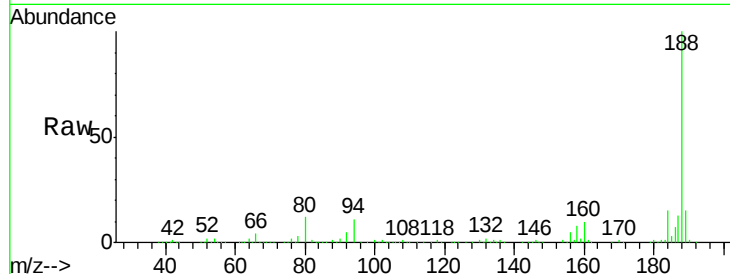




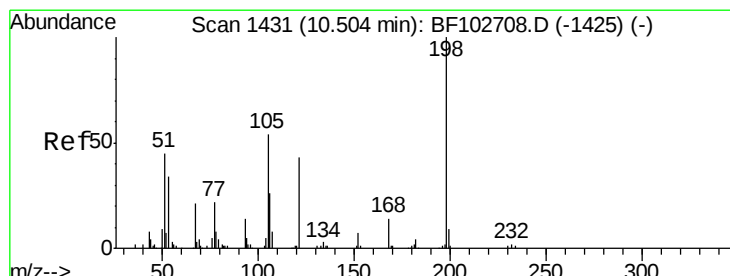
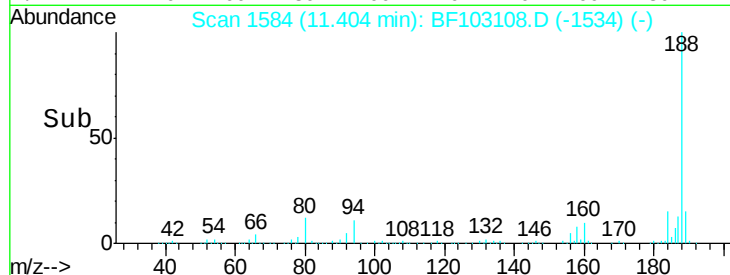
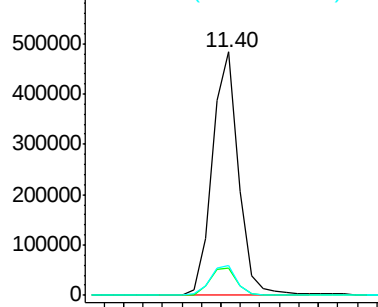
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103108.D
Acq: 20 Feb 2018 3:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 448431
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 12.1 9.2 13.8

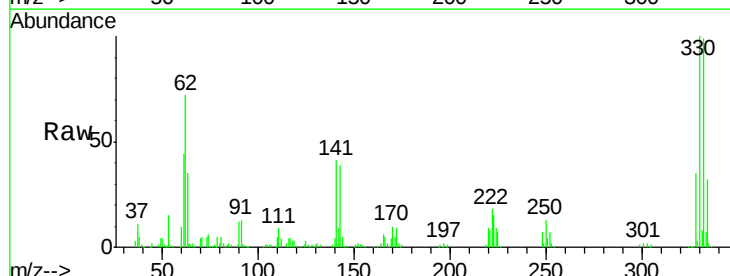


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

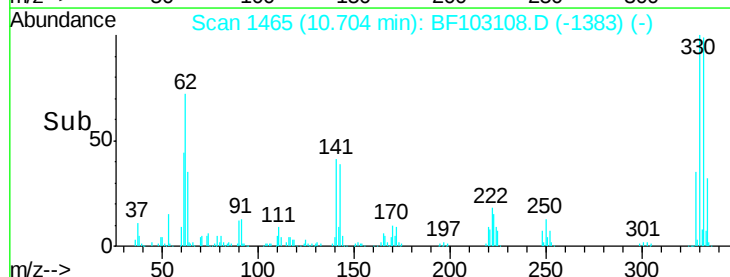
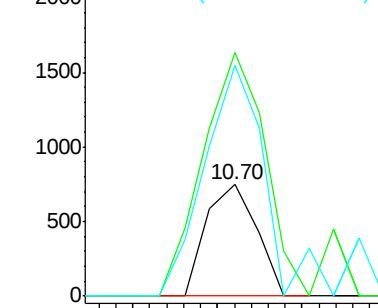


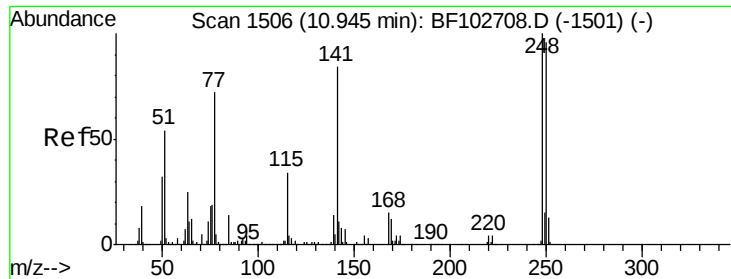
#64
4,6-Dinitro-2-methylphenol
Concen: 9.10 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103108.D
Acq: 20 Feb 2018 3:33

Tgt Ion:198 Resp: 621
Ion Ratio Lower Upper
198 100
51 217.9 37.7 77.7#
105 206.3 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

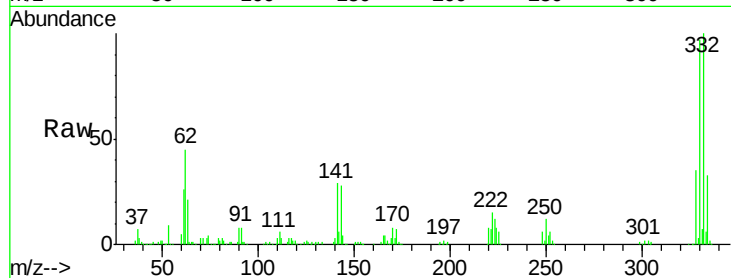




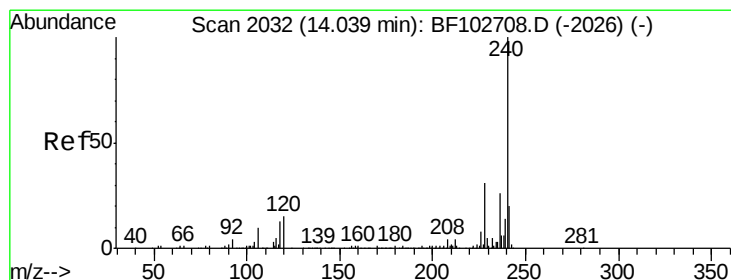
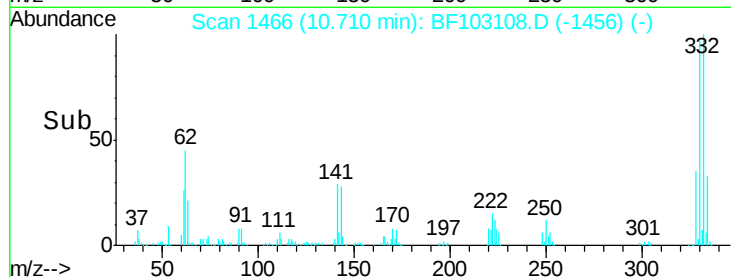
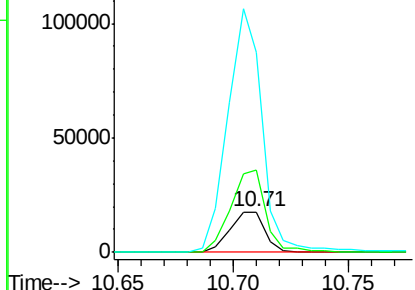
#66
4-Bromophenyl-phenylether
Concen: 4.04 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103108.D
Acq: 20 Feb 2018 3:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 19154
Ion Ratio Lower Upper
248 100
250 203.4 76.9 115.3#
141 491.4 74.4 111.6#

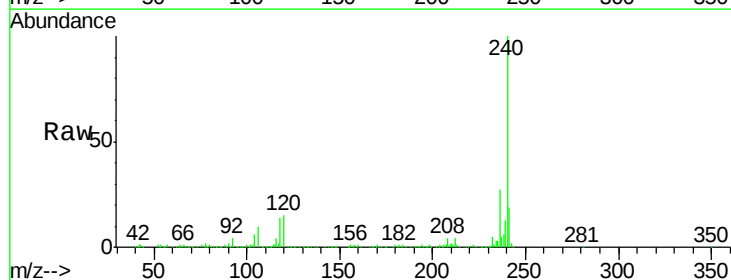


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

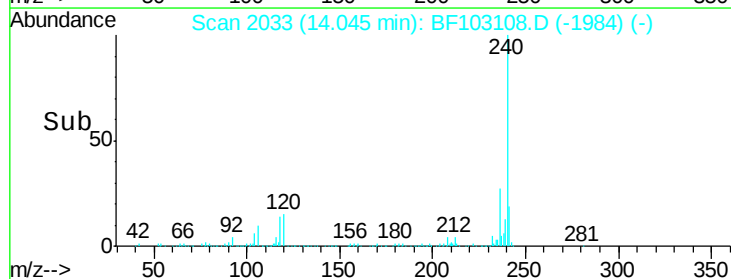
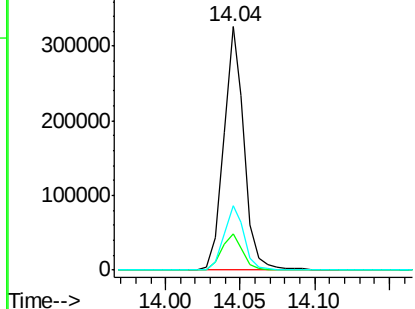


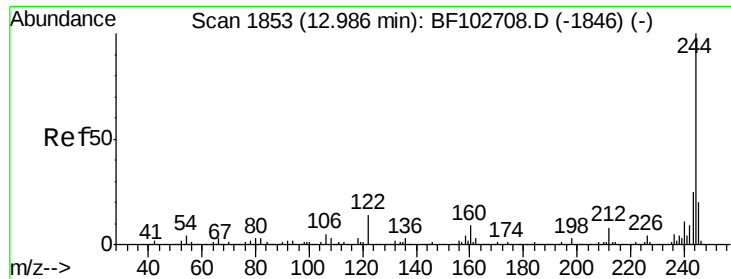
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103108.D
Acq: 20 Feb 2018 3:33

Tgt Ion:240 Resp: 313496
Ion Ratio Lower Upper
240 100
120 14.6 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: 88.79 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103108.D

Acq: 20 Feb 2018 3:33

Instrument :

BNA_F

ClientSampled :

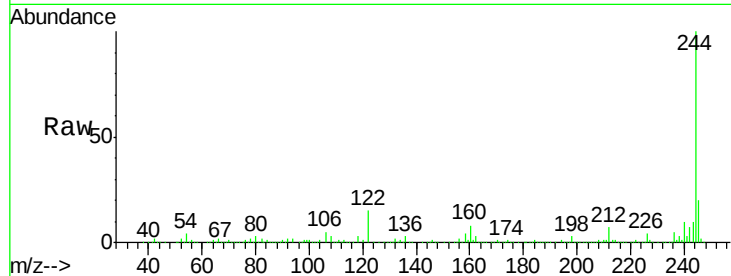
Tot Ion:244 Resp: 1175570

Ion Ratio Lower Upper

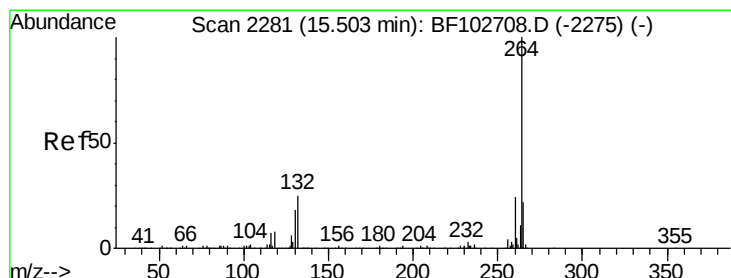
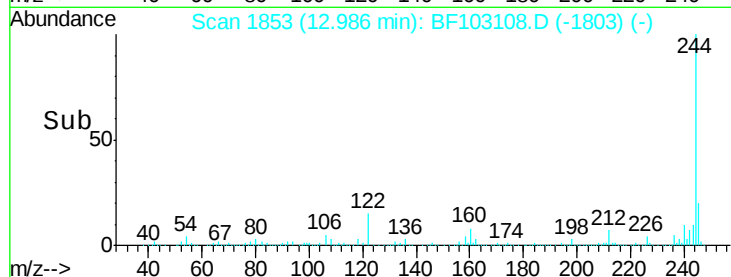
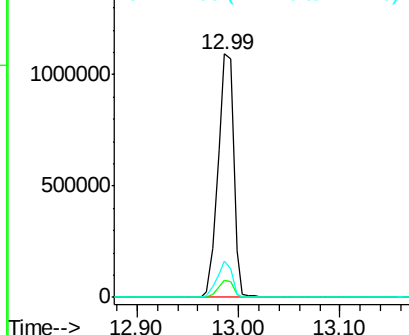
244 100

212 6.9 5.4 8.0

122 14.8 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: 15.54 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BF103108.D

Acq: 20 Feb 2018 3:33

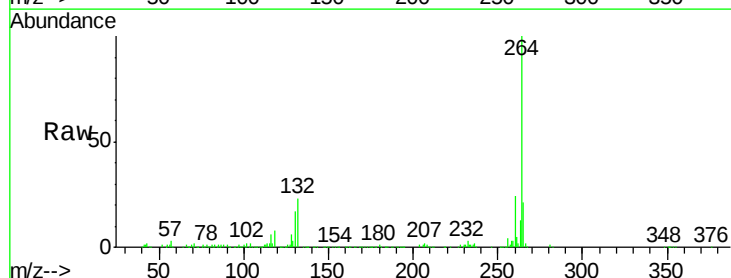
Tgt Ion:264 Resp: 283057

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.3 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

