

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
 Data File : BF103152.D
 Acq On : 21 Feb 2018 22:19
 Operator : SJ/JU
 Sample : PB106713BL
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 22 00:40:11 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

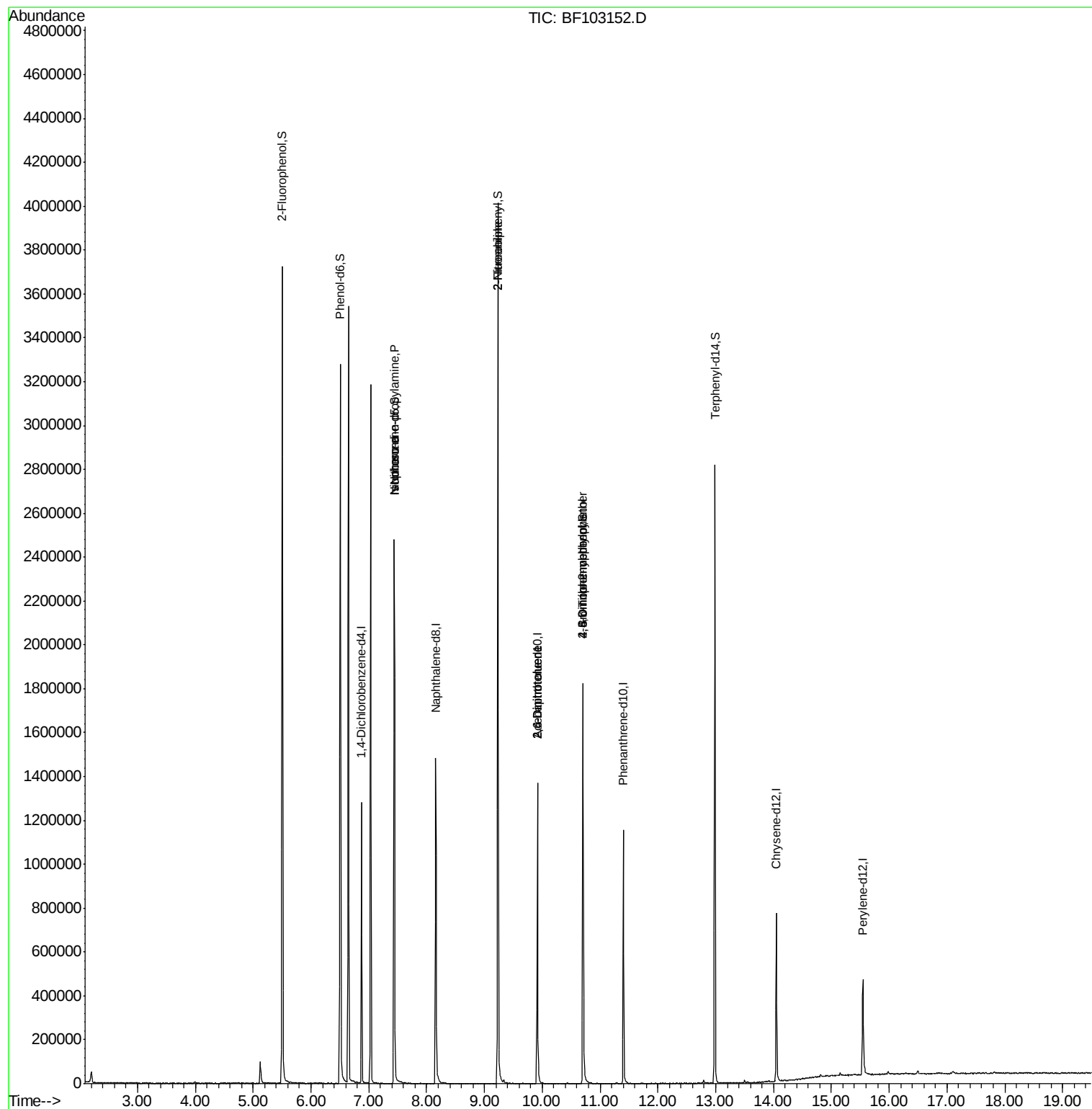
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	167457	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	703716	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	293377	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	430370	20.00	ng	0.00
75) Chrysene-d12	14.05	240	297569	20.00	ng	0.00
86) Perylene-d12	15.54	264	229465	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1117030	101.30	ng	0.01
7) Phenol-d6	6.51	99	1333613	100.45	ng	0.00
23) Nitrobenzene-d5	7.44	82	847950	83.59	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	218507	92.54	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1336872	75.61	ng	0.00
78) Terphenyl-d14	12.99	244	955471	76.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	112262	12.825	ng	# 81
25) Isophorone	7.44	82	847942	36.301	ng	# 64
47) 2-Nitroaniline	9.23	65	2365	3.838	ng	# 6
50) 2,6-Dinitrotoluene	9.92	165	37579	8.635	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	37579	9.101	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	317	8.956	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	14641	3.216	ng	# 1

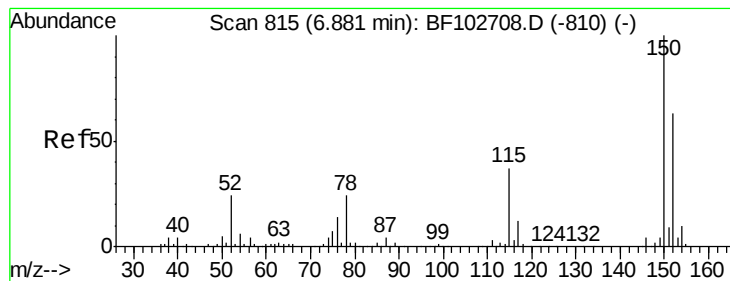
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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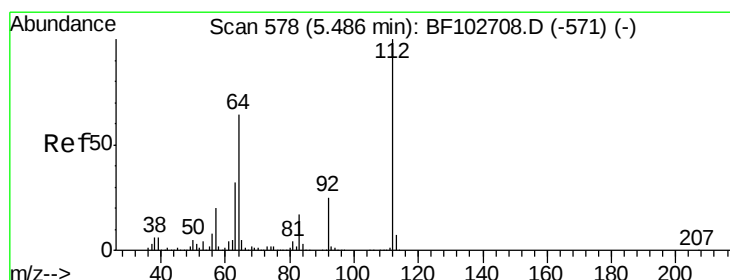
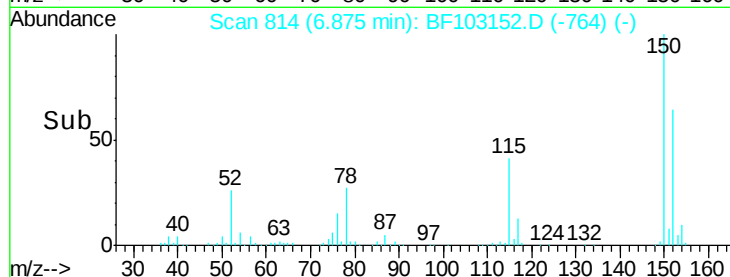
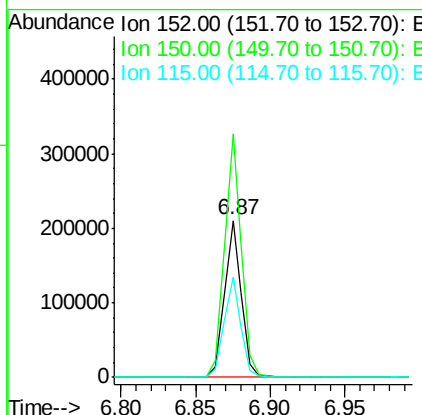
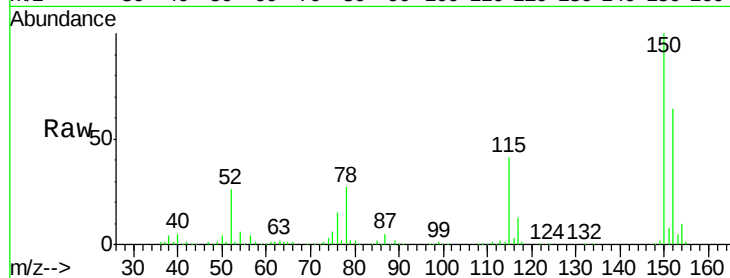


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103152.D
Acq: 21 Feb 2018 22:19

Instrument :
BNA_F
ClientSampleId :

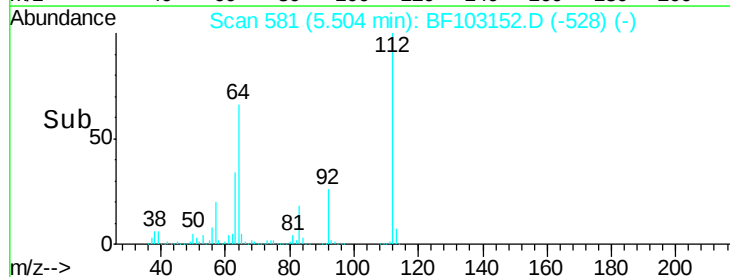
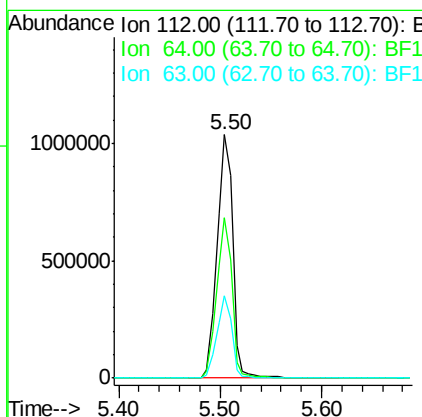
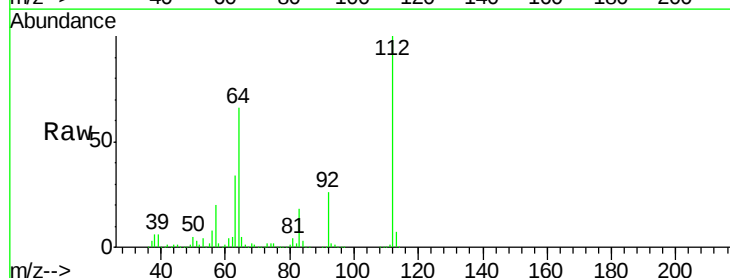
Tot Ion:152 Resp: 167457
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 63.7 50.1 75.1



#5

2-Fluorophenol
Concen: 101.303 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103152.D
Acq: 21 Feb 2018 22:19

Tgt Ion:112 Resp: 1117030
Ion Ratio Lower Upper
112 100
64 65.8 47.9 71.9
63 33.6 23.7 35.5





#7

Phenol-d6

Concen: 100.447 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103152.D

Acq: 21 Feb 2018 22:19

Instrument :

BNA_F

ClientSampleId :

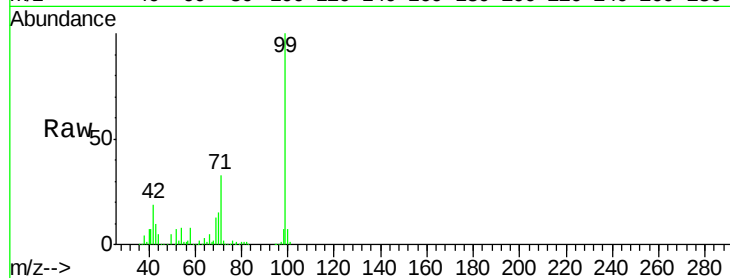
Tot Ion: 99 Resp: 1333613

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

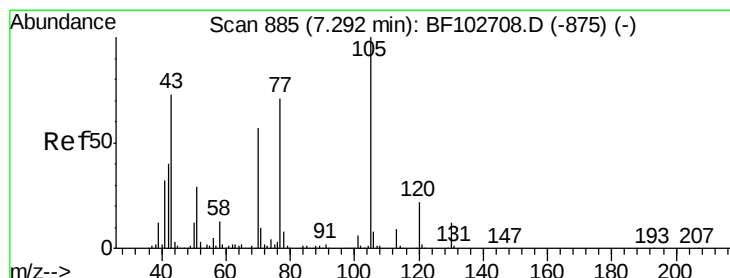
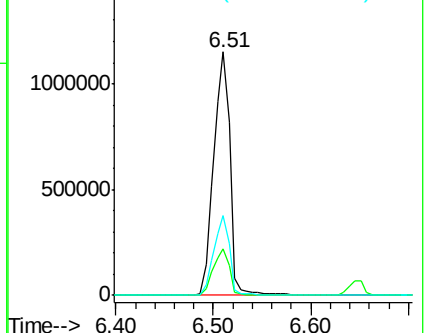
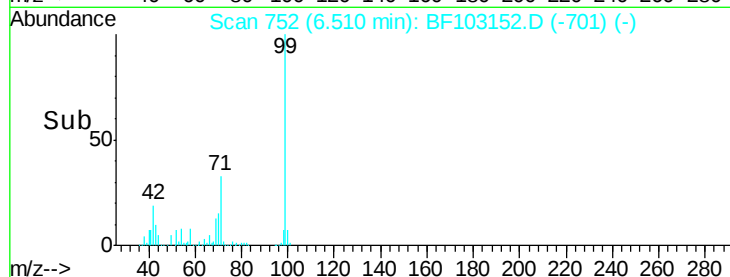
71 32.7 25.4 38.0



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: 12.825 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103152.D

Acq: 21 Feb 2018 22:19

Tgt Ion: 70 Resp: 112262

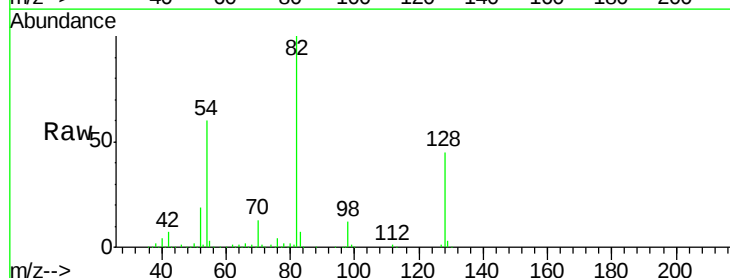
Ion Ratio Lower Upper

70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

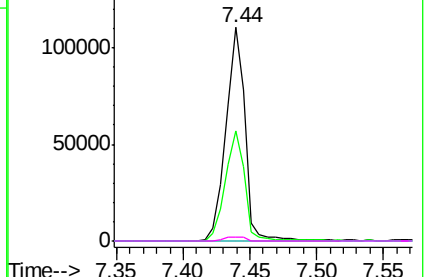
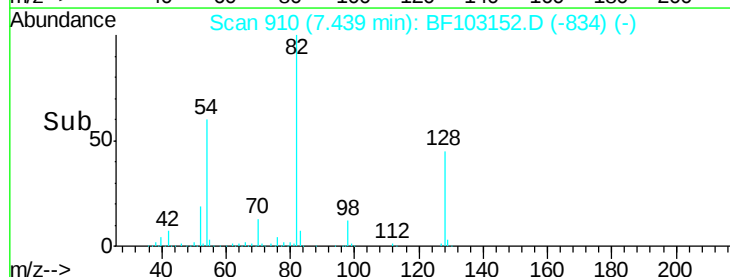


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103152.D

Acq: 21 Feb 2018 22:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 703716

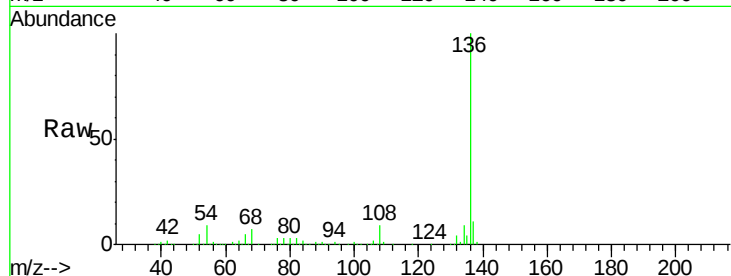
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.3 6.6 9.8

68 6.7 5.0 7.4

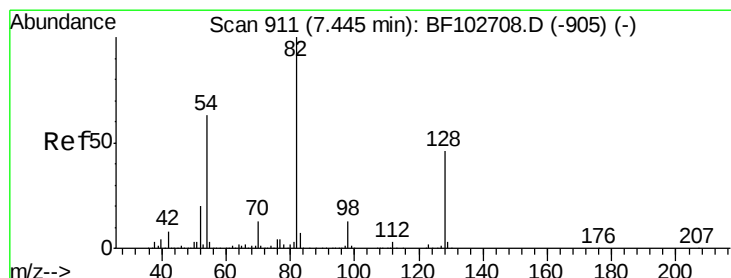
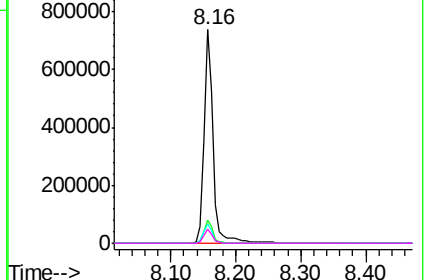
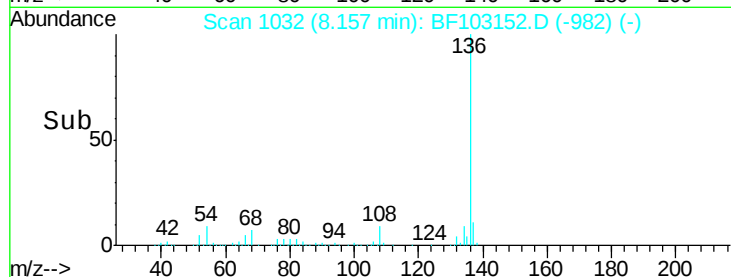


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.589 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103152.D

Acq: 21 Feb 2018 22:19

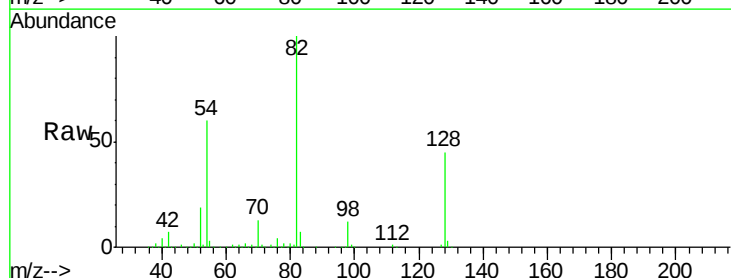
Tgt Ion: 82 Resp: 847950

Ion Ratio Lower Upper

82 100

128 45.1 36.1 54.1

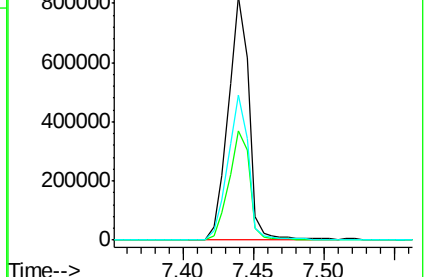
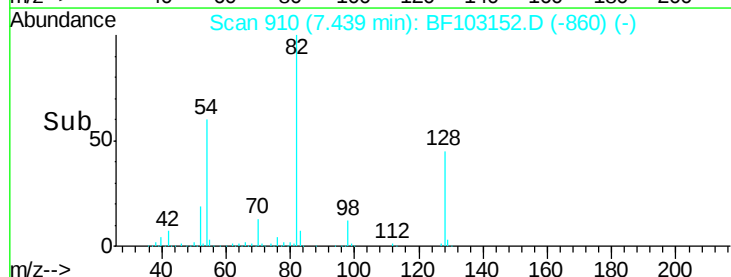
54 59.7 41.4 62.2

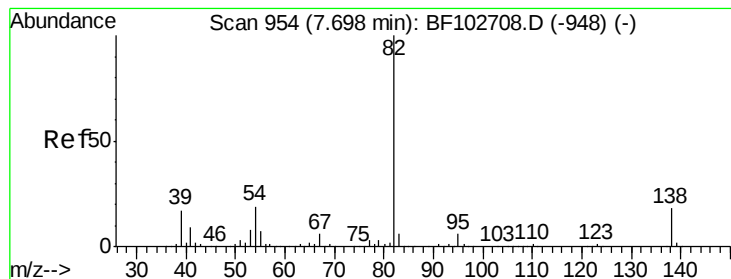


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.301 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103152.D

Acq: 21 Feb 2018 22:19

Instrument :

BNA_F

ClientSampleId :

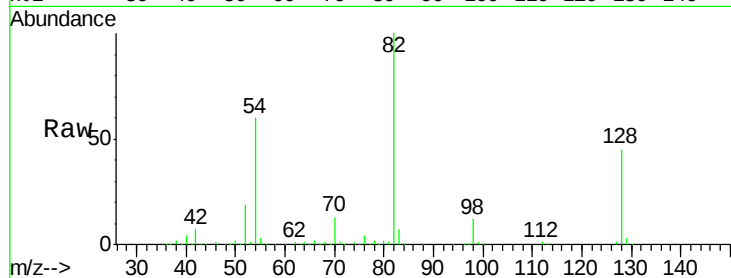
Tot Ion: 82 Resp: 847942

Ion Ratio Lower Upper

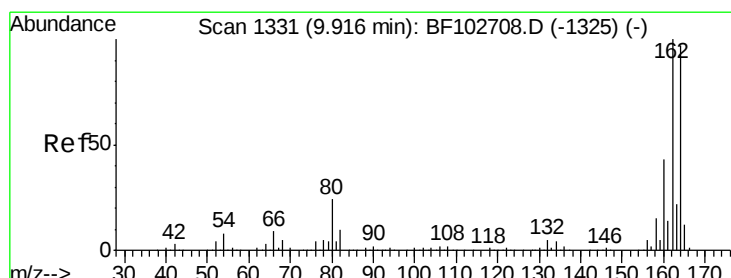
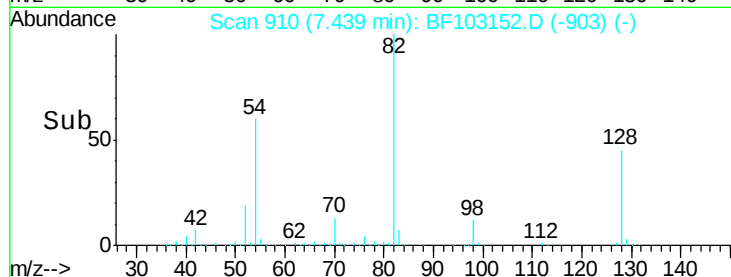
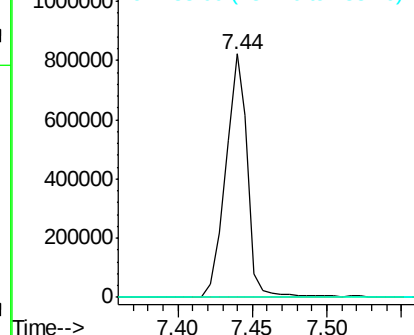
82 100

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: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103152.D

Acq: 21 Feb 2018 22:19

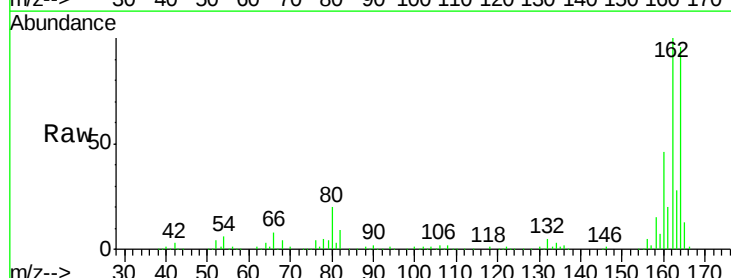
Tgt Ion: 164 Resp: 293377

Ion Ratio Lower Upper

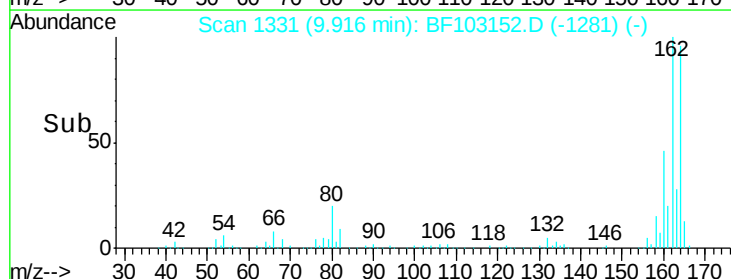
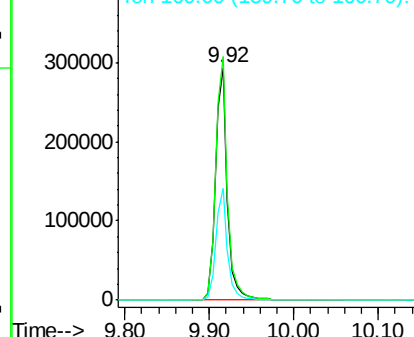
164 100

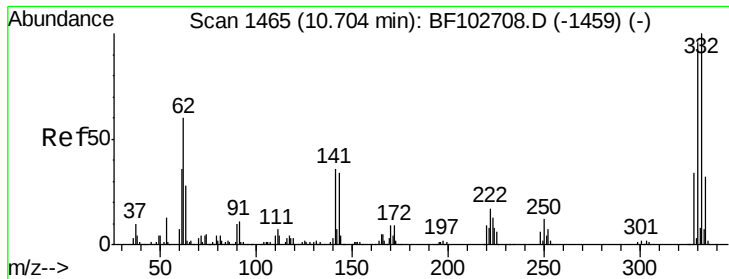
162 104.7 86.1 129.1

160 47.8 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

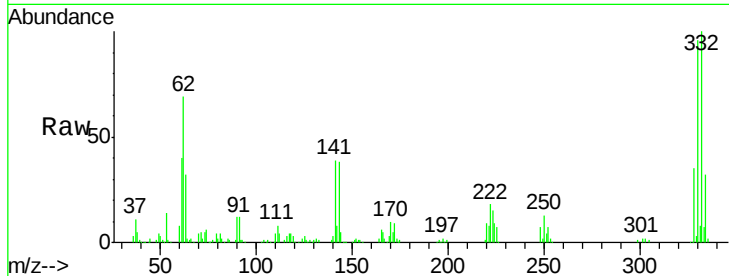




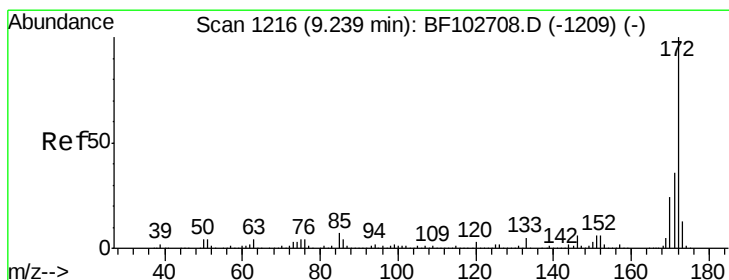
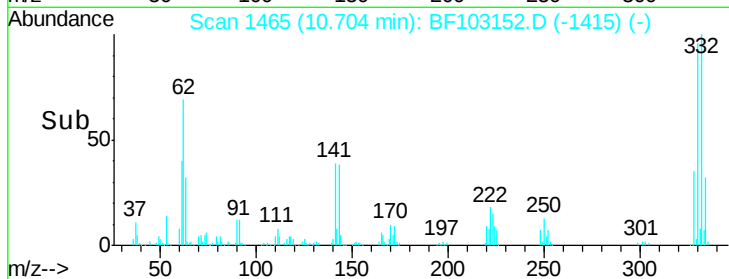
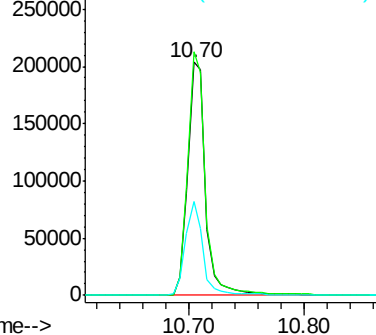
#41
 2,4,6-Tribromophenol
 Concen: 92.535 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103152.D
 Acq: 21 Feb 2018 22:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.3	77.0	115.6
141	40.3	29.9	44.9

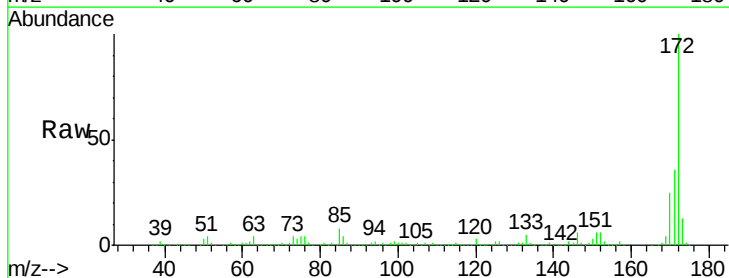


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

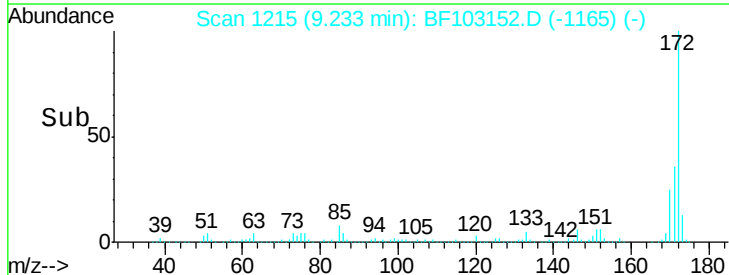
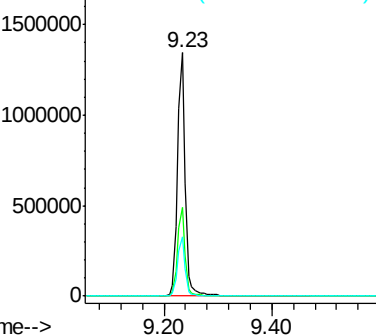


#44
 2-Fluorobiphenyl
 Concen: 75.614 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103152.D
 Acq: 21 Feb 2018 22:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.6	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

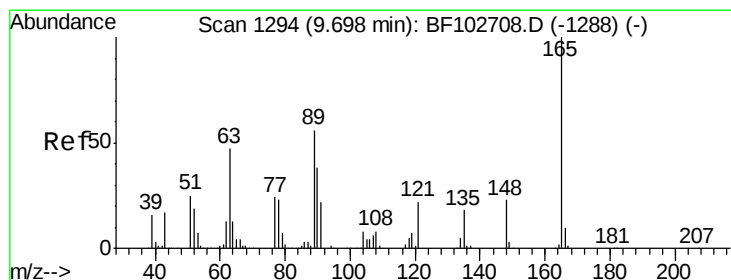
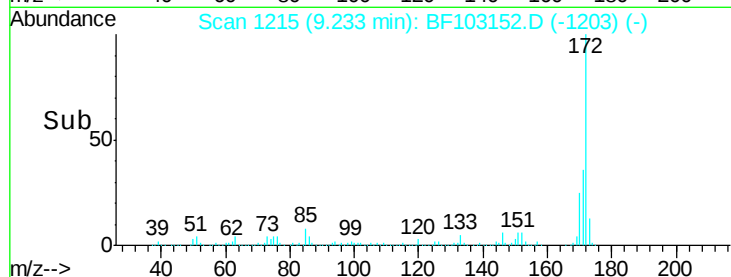
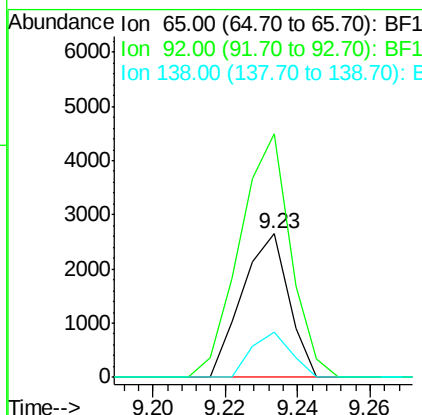
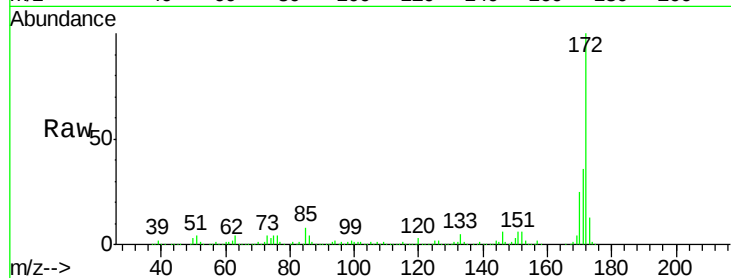




#47
2-Nitroaniline
Concen: 3.838 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.23 min
Lab File: BF103152.D
Acq: 21 Feb 2018 22:19

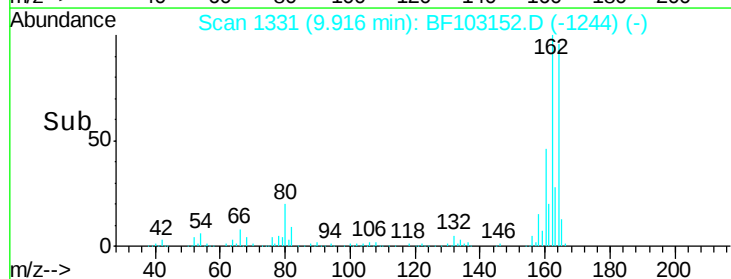
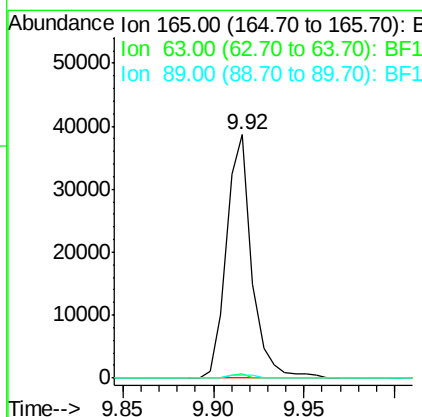
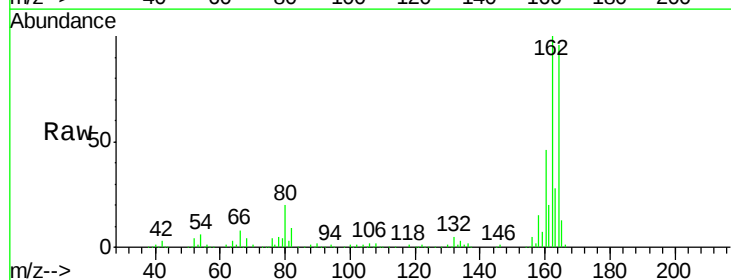
Instrument :
BNA_F
ClientSampleId :

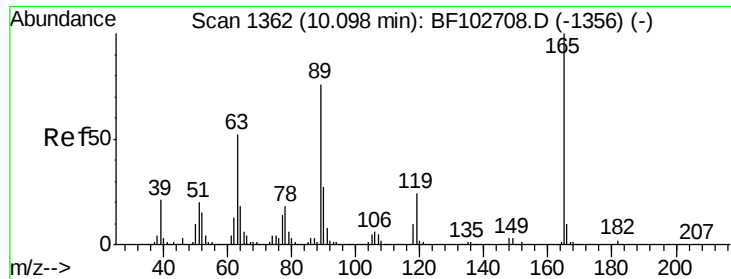
Tot Ion	Ratio	Lower	Upper
65	100		
92	170.0	55.8	83.6#
138	31.2	91.2	136.8#



#50
2,6-Dinitrotoluene
Concen: 8.635 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF103152.D
Acq: 21 Feb 2018 22:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.5	44.0	66.0#

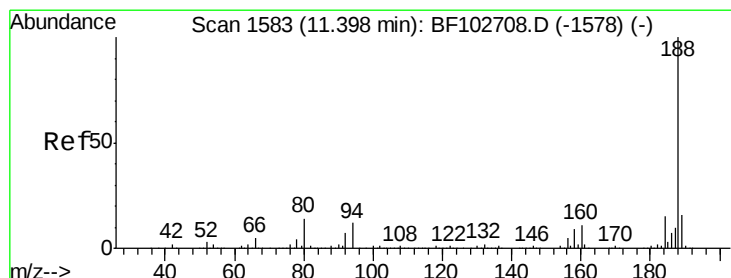
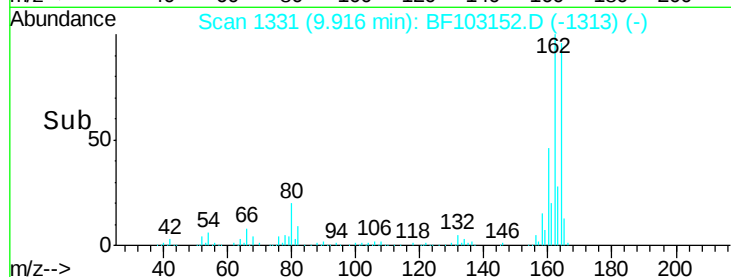
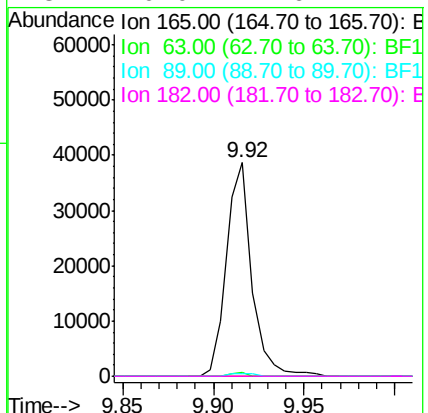
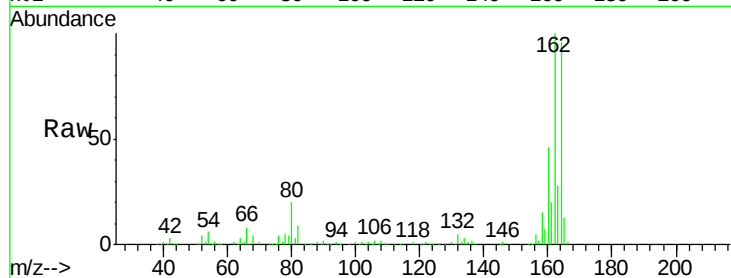




#56
 2,4-Dinitrotoluene
 Concen: 9.101 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103152.D
 Acq: 21 Feb 2018 22:19

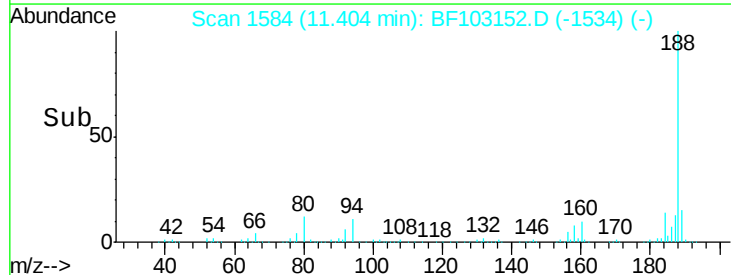
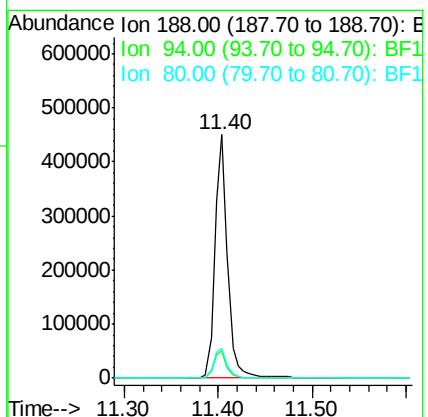
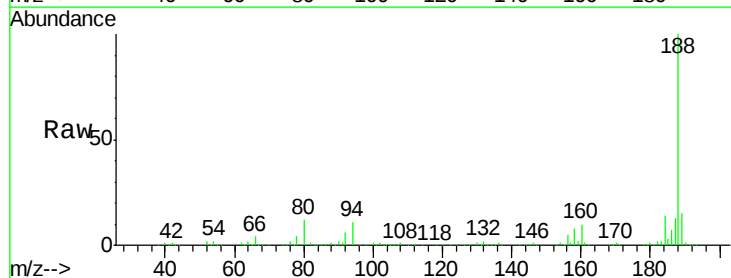
Instrument :
 BNA_F
 ClientSampleId :

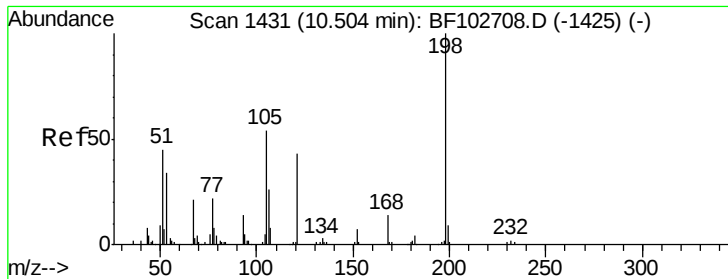
Tot Ion:165 Resp: 37579
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103152.D
 Acq: 21 Feb 2018 22:19

Tgt Ion:188 Resp: 430370
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.3 9.2 13.8

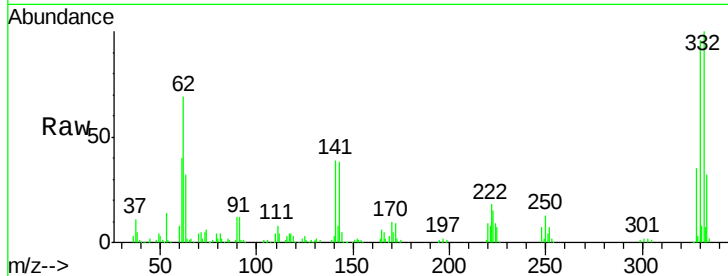




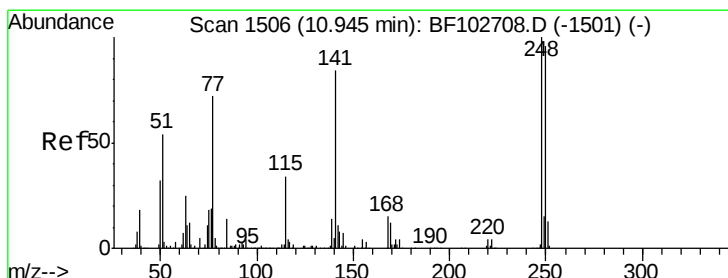
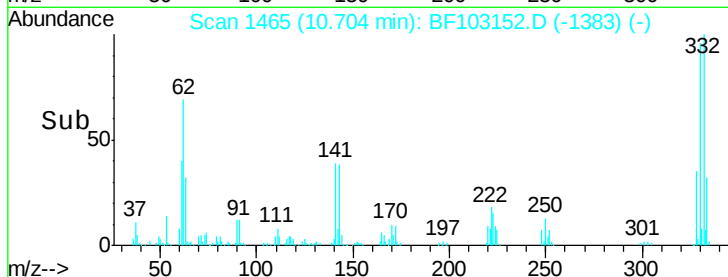
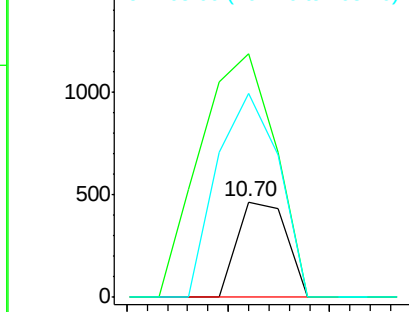
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.956 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF103152.D
 Acq: 21 Feb 2018 22:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 317
 Ion Ratio Lower Upper
 198 100
 51 254.9 37.7 77.7#
 105 213.1 36.3 76.3#

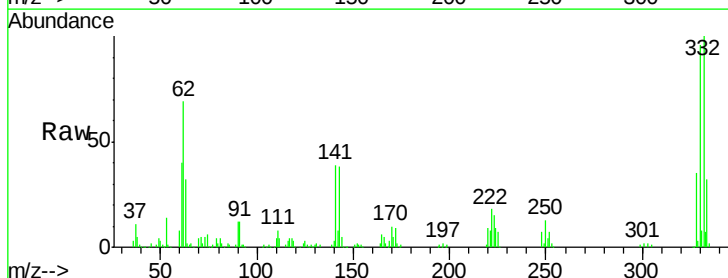


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

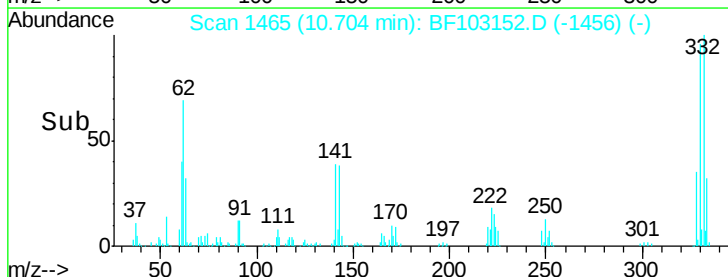
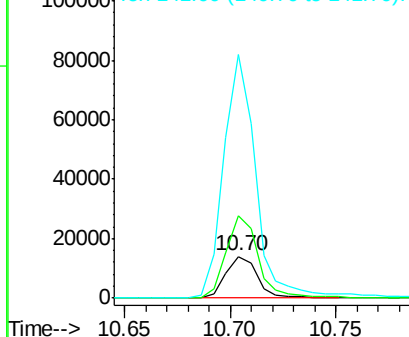


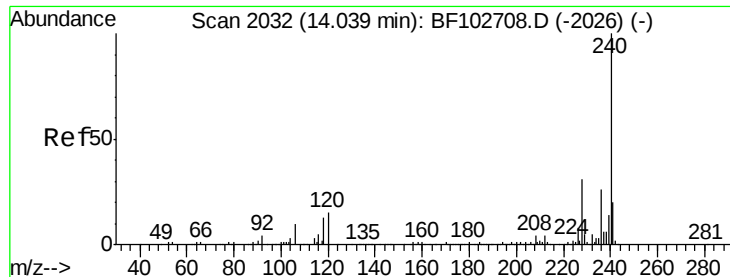
#66
 4-Bromophenyl-phenylether
 Concen: 3.216 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103152.D
 Acq: 21 Feb 2018 22:19

Tgt Ion:248 Resp: 14641
 Ion Ratio Lower Upper
 248 100
 250 196.9 76.9 115.3#
 141 582.3 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: BF103152.D

Acq: 21 Feb 2018 22:19

Instrument :

BNA_F

ClientSampleId :

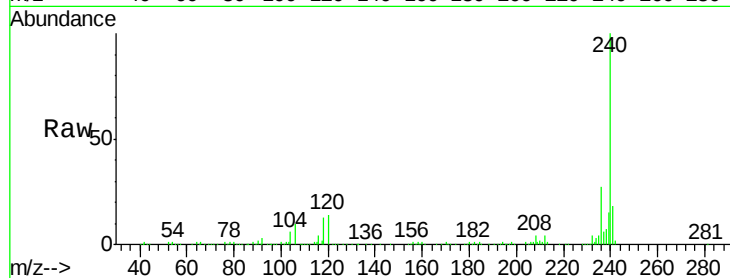
Tot Ion:240 Resp: 297569

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

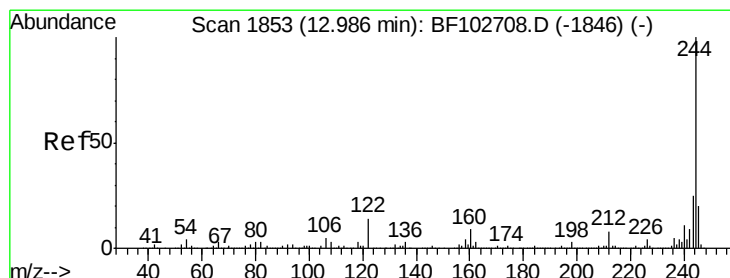
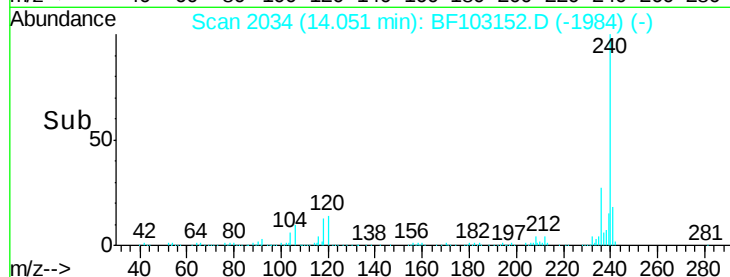
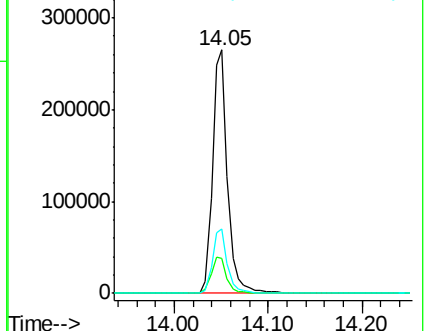
236 26.6 20.7 31.1



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: 76.027 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103152.D

Acq: 21 Feb 2018 22:19

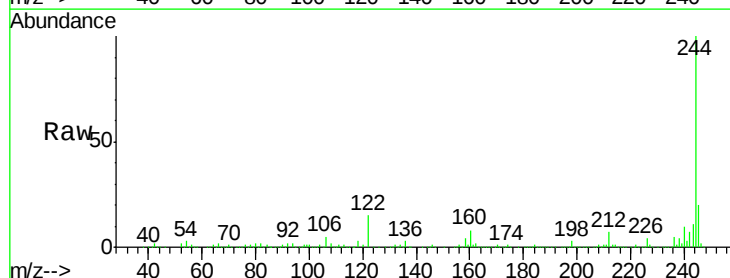
Tgt Ion:244 Resp: 955471

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

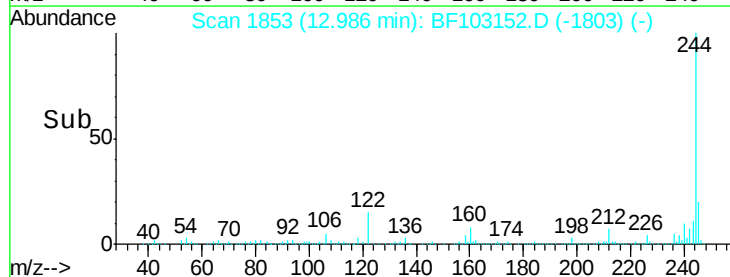
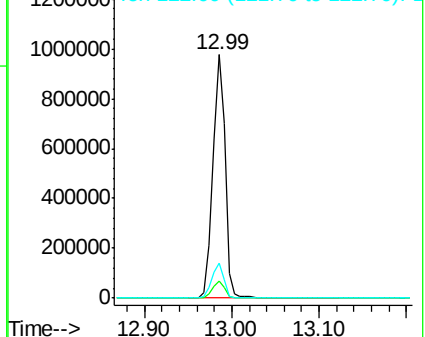
122 14.6 11.0 16.4

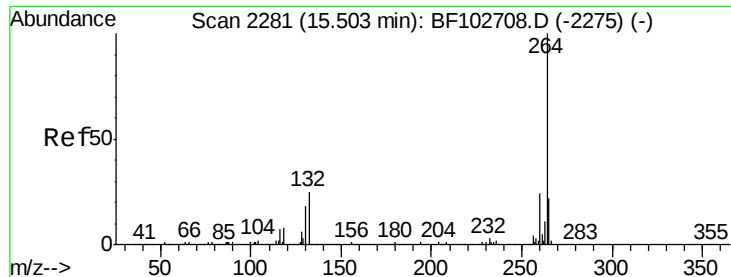


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

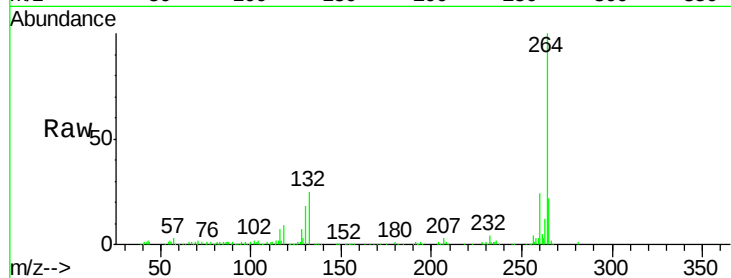




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF103152.D
Acq: 21 Feb 2018 22:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	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

