

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102931.D
 Acq On : 12 Feb 2018 20:05
 Operator : SJ/JU
 Sample : PB106454BL
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 01:06:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

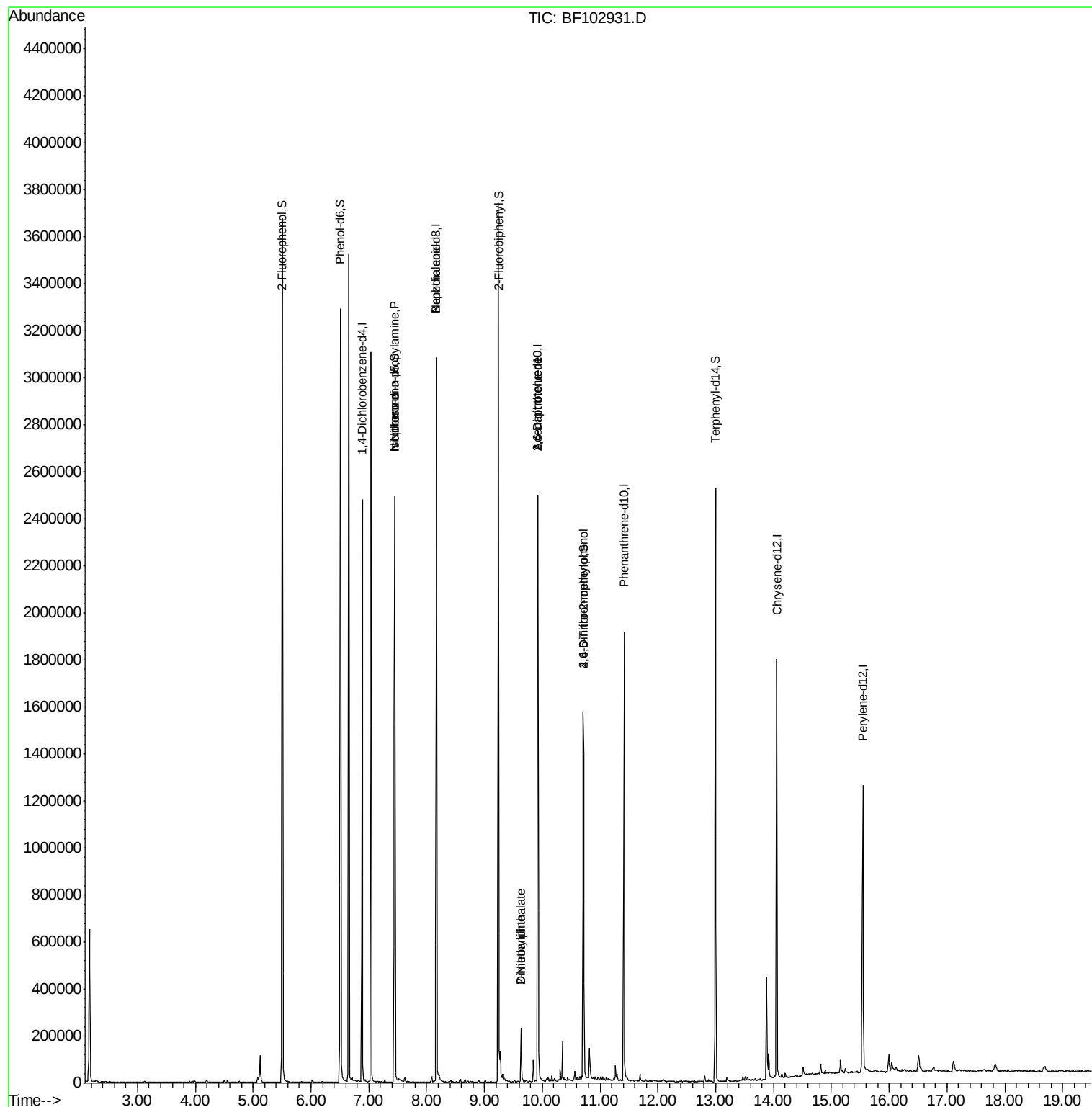
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	332954	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1321889	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	527471	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	730210	20.00	ng	0.00
75) Chrysene-d12	14.06	240	600741	20.00	ng	0.00
86) Perylene-d12	15.54	264	561542	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1019456	46.50	ng	0.01
7) Phenol-d6	6.51	99	1213515	45.97	ng	0.00
23) Nitrobenzene-d5	7.45	82	796156	41.78	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	174094	41.01	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1265032	39.80	ng	0.00
78) Terphenyl-d14	13.00	244	837670	33.02	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	107794	6.19	ng	# 82
25) Isophorone	7.45	82	796142	18.14	ng	# 64
32) Benzoic acid	8.17	122	276	8.56	ng	# 1
47) 2-Nitroaniline	9.63	65	988	3.56	ng	# 1
49) Dimethylphthalate	9.63	163	82292	2.00	ng	99
50) 2,6-Dinitrotoluene	9.92	165	67542	8.63	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	67543	9.10	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	311	8.89	ng	# 1

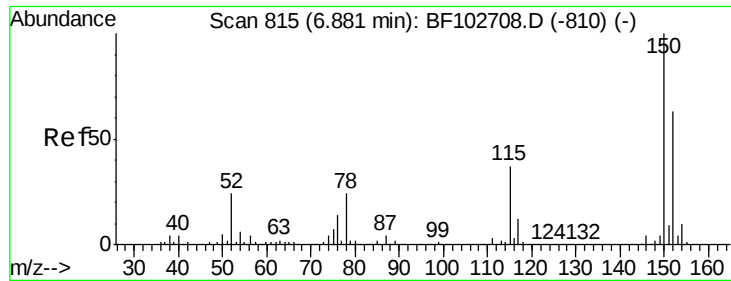
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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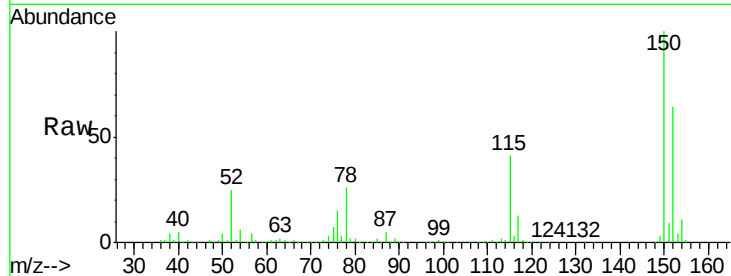


#1

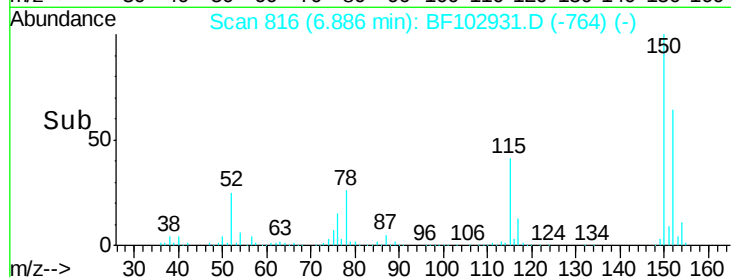
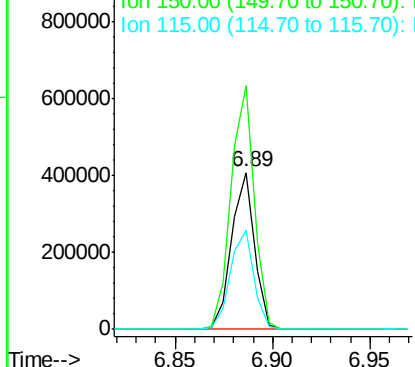
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102931.D
Acq: 12 Feb 2018 20:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 332954
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 62.9 50.1 75.1



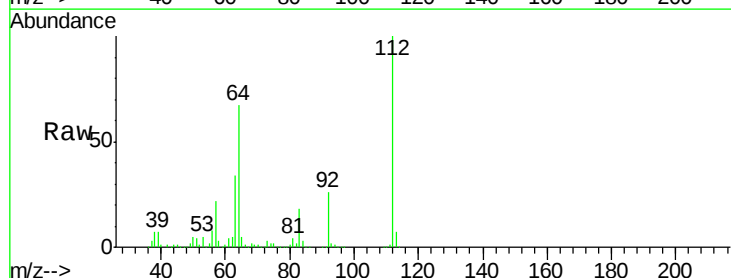
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



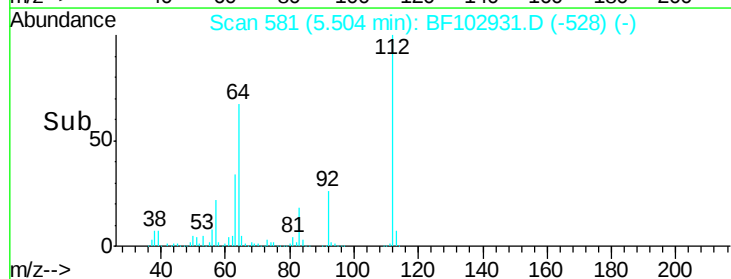
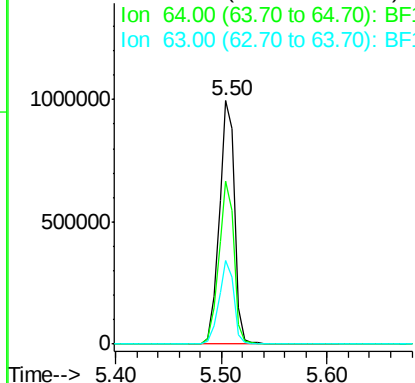
#5

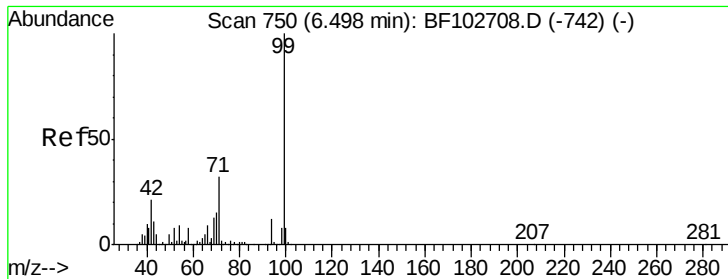
2-Fluorophenol
Concen: 46.50 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102931.D
Acq: 12 Feb 2018 20:05

Tgt Ion:112 Resp: 1019456
Ion Ratio Lower Upper
112 100
64 67.1 47.9 71.9
63 34.4 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: 45.97 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102931.D

Acq: 12 Feb 2018 20:05

Instrument :

BNA_F

ClientSampled :

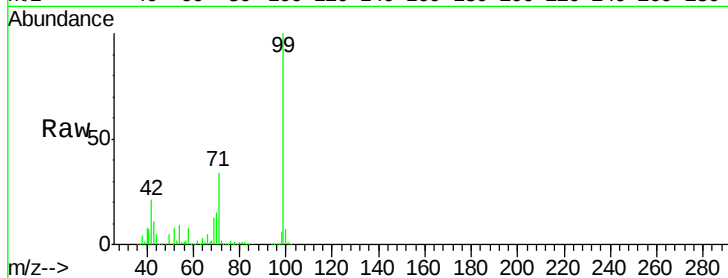
Tot Ion: 99 Resp: 1213515

Ion Ratio Lower Upper

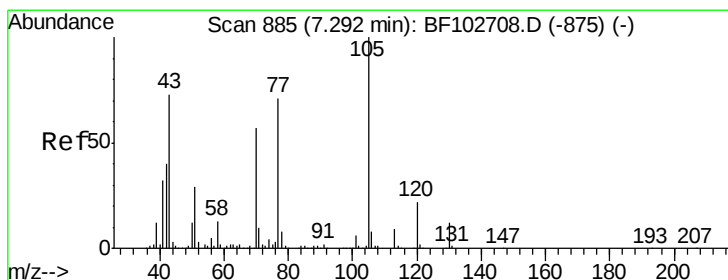
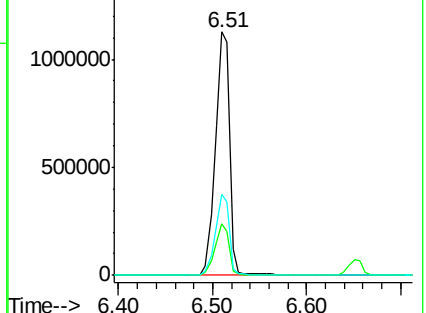
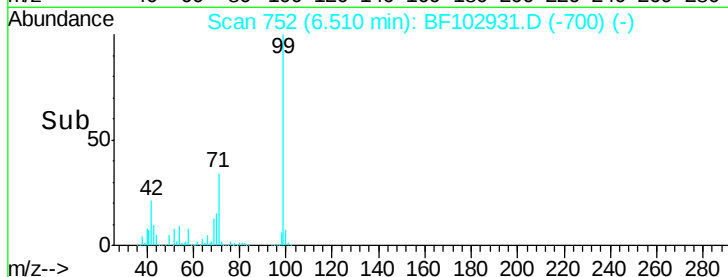
99 100

42 21.0 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: 6.19 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102931.D

Acq: 12 Feb 2018 20:05

Tgt Ion: 70 Resp: 107794

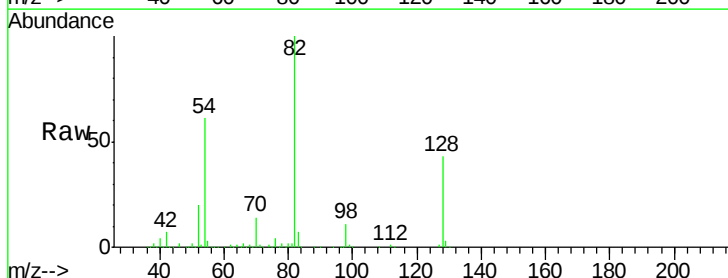
Ion Ratio Lower Upper

70 100

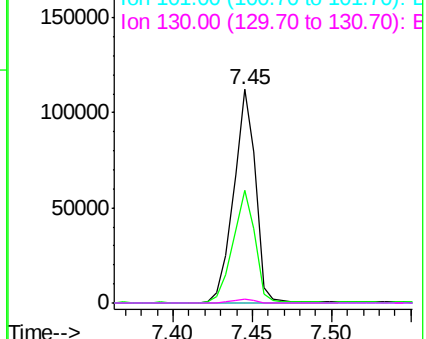
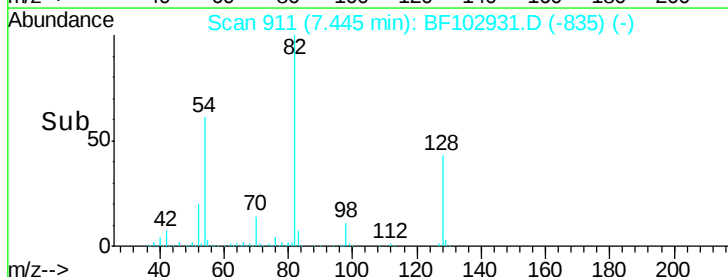
42 52.8 47.5 71.3

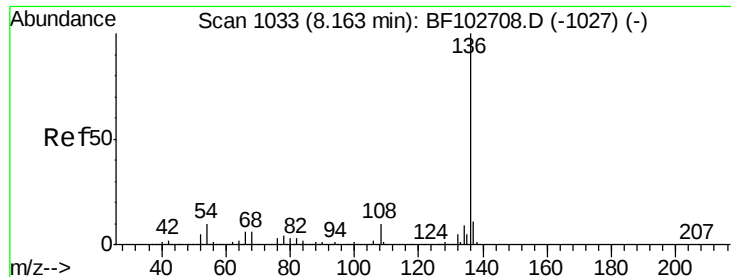
101 0.0 7.4 11.2#

130 1.9 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: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102931.D

Acq: 12 Feb 2018 20:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1321889

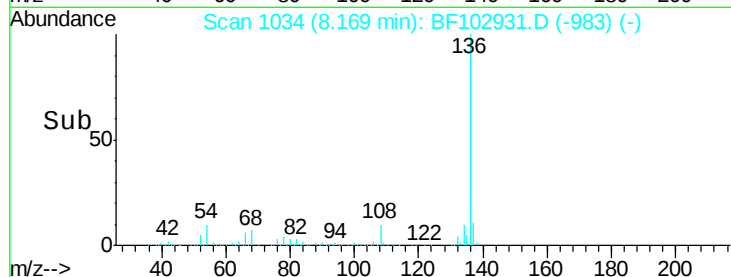
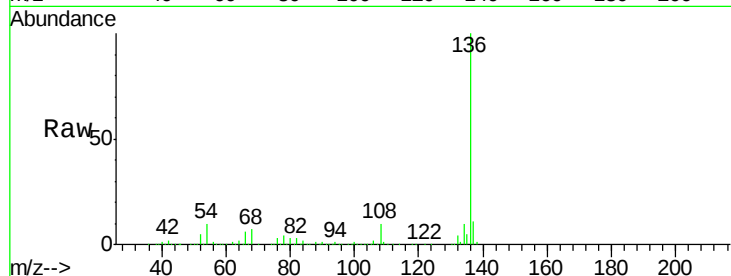
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.0 6.6 9.8#

68 6.7 5.0 7.4

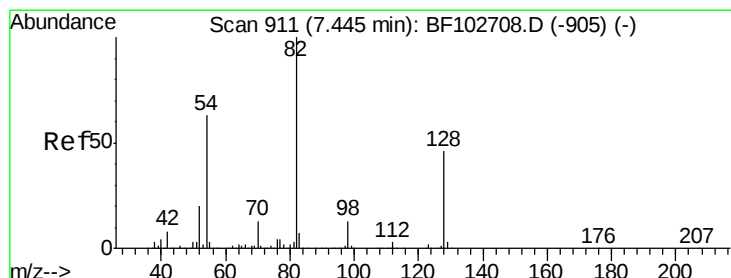
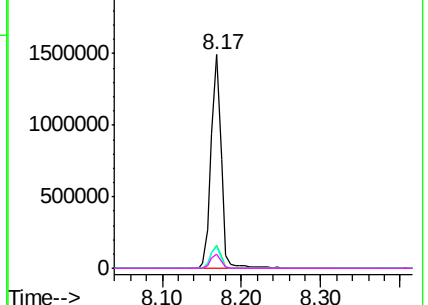


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.78 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102931.D

Acq: 12 Feb 2018 20:05

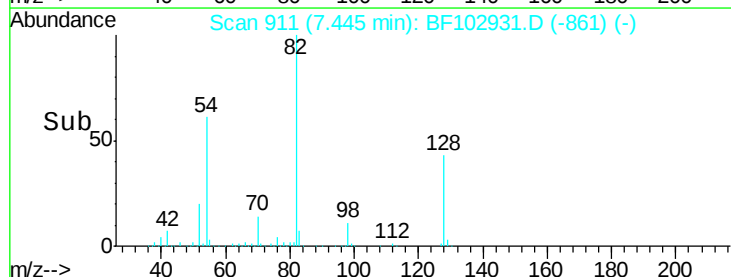
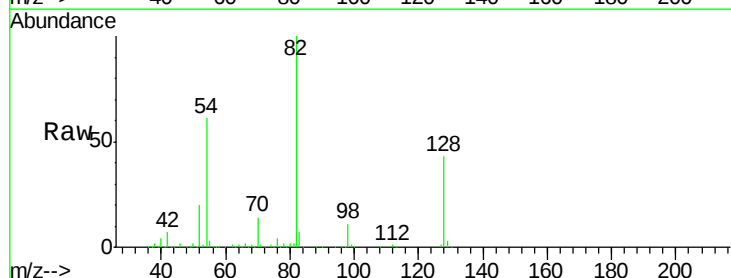
Tgt Ion: 82 Resp: 796156

Ion Ratio Lower Upper

82 100

128 42.8 36.1 54.1

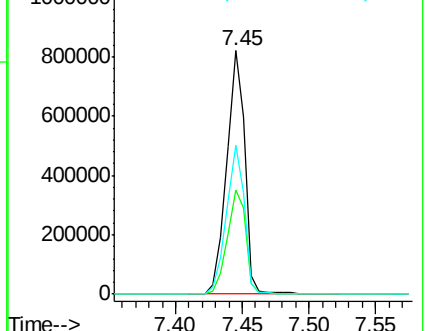
54 61.2 41.4 62.2

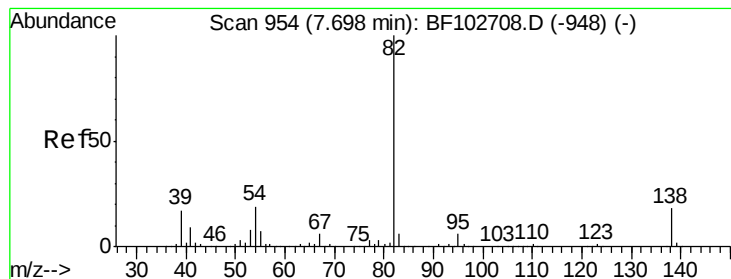


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.14 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102931.D

Acq: 12 Feb 2018 20:05

Instrument :

BNA_F

ClientSampled :

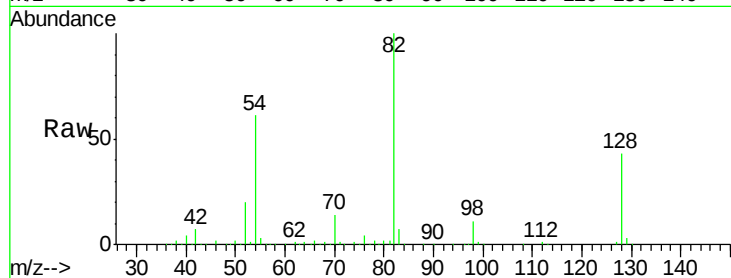
Tot Ion: 82 Resp: 796142

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

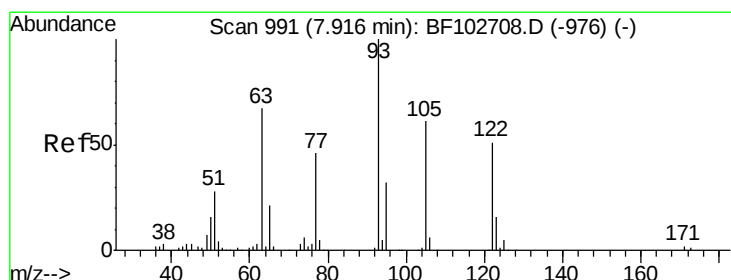
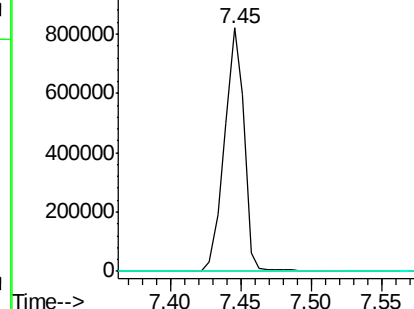
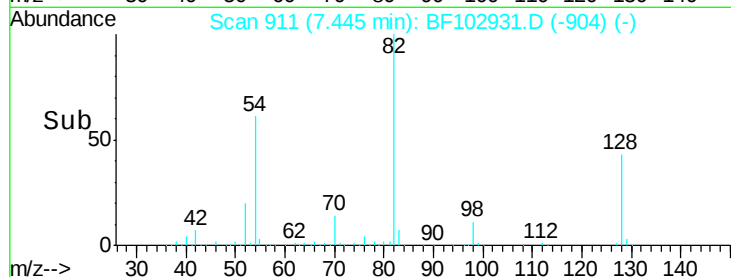
138 0.0 14.9 22.3#



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: 8.56 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.24 min

Lab File: BF102931.D

Acq: 12 Feb 2018 20:05

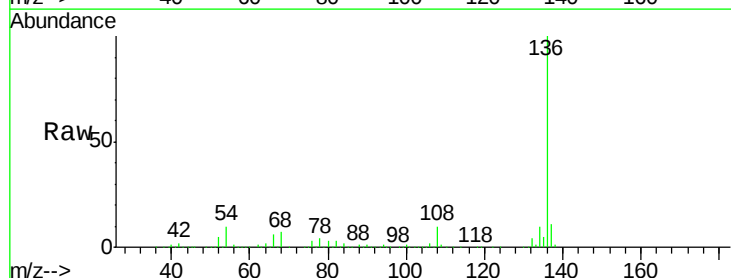
Tgt Ion: 122 Resp: 276

Ion Ratio Lower Upper

122 100

105 298.3 101.1 141.1#

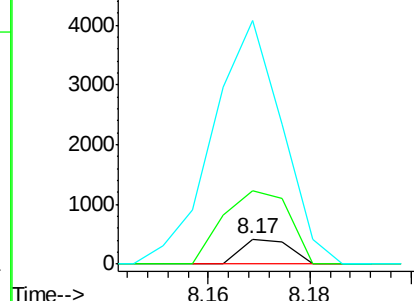
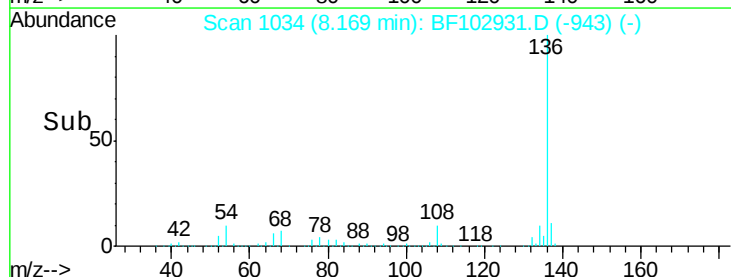
77 981.7 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

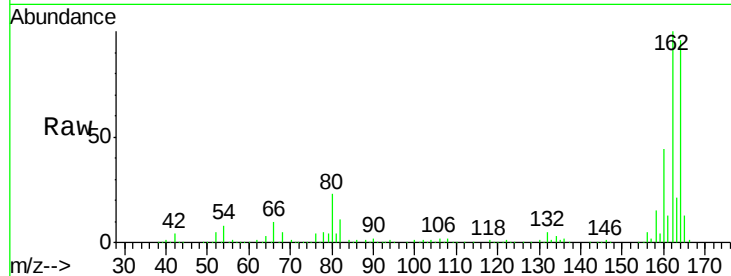




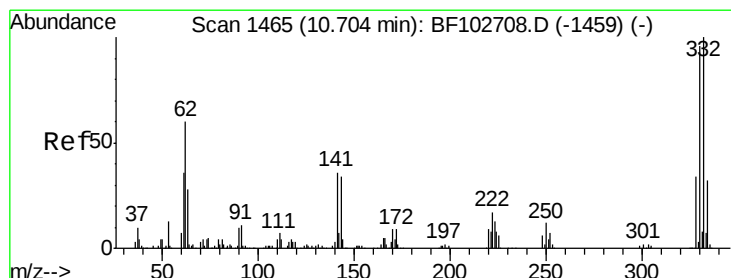
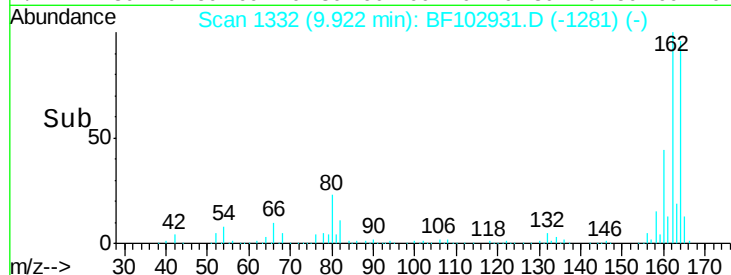
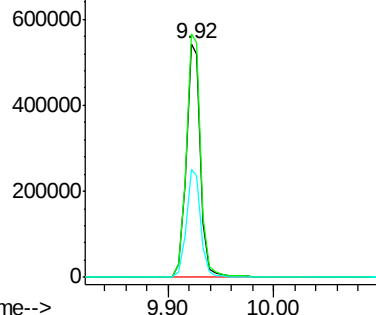
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102931.D
Acq: 12 Feb 2018 20:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 527471
Ion Ratio Lower Upper
164 100
162 104.1 86.1 129.1
160 45.9 38.3 57.5

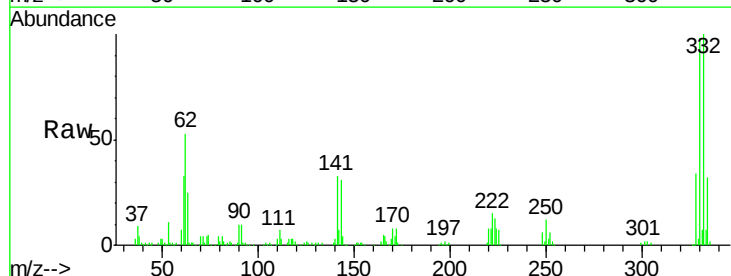


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

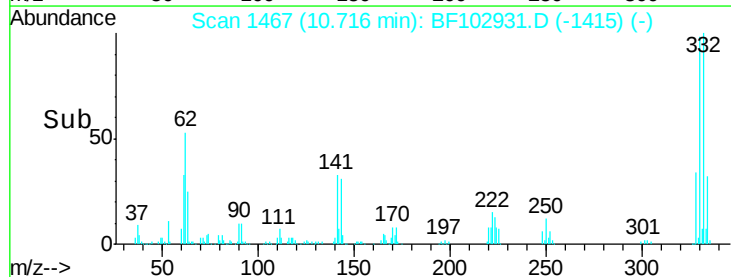
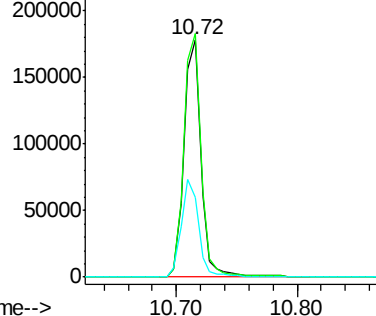


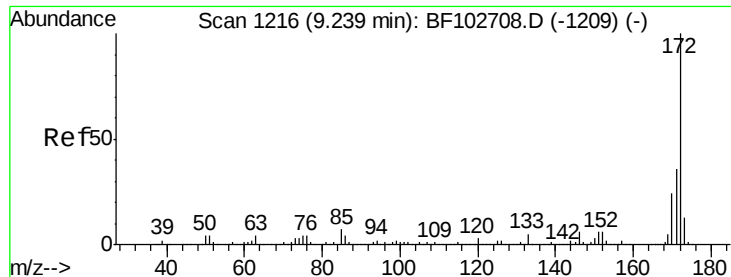
#41
2,4,6-Tribromophenol
Concen: 41.01 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BF102931.D
Acq: 12 Feb 2018 20:05

Tgt Ion:330 Resp: 174094
Ion Ratio Lower Upper
330 100
332 103.5 77.0 115.6
141 41.9 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

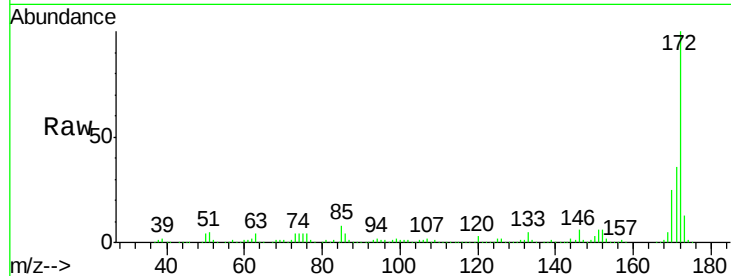




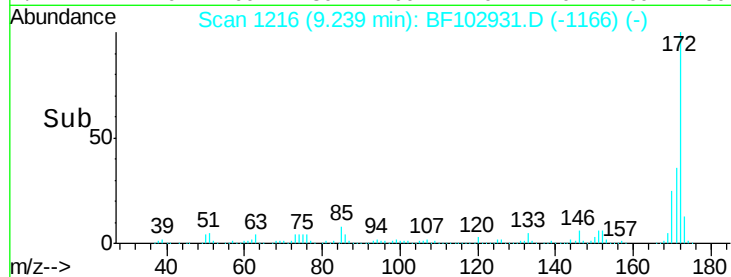
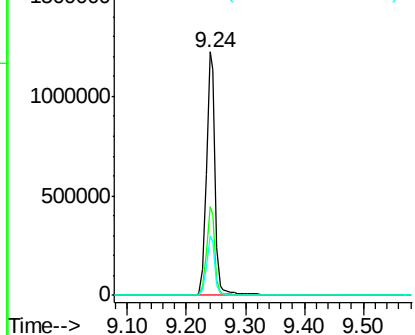
#44
 2-Fluorobiphenyl
 Concen: 39.80 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102931.D
 Acq: 12 Feb 2018 20:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1265032
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.6 19.6 29.4

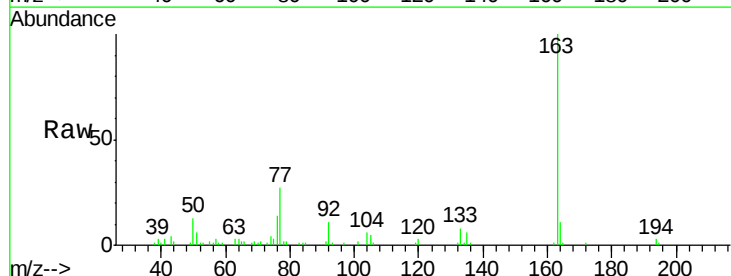


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

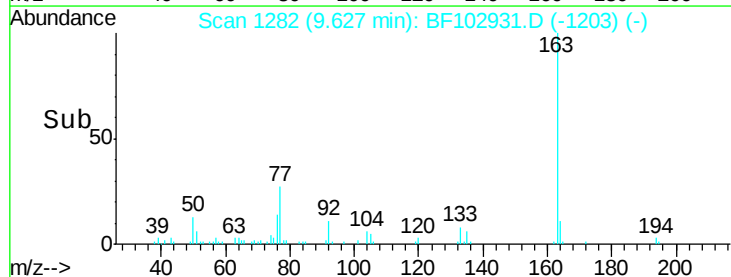
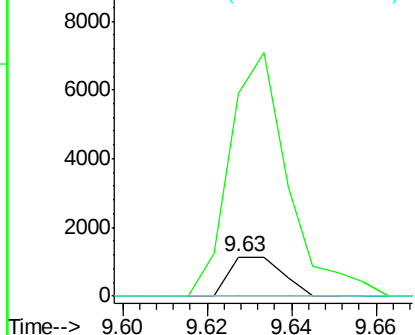


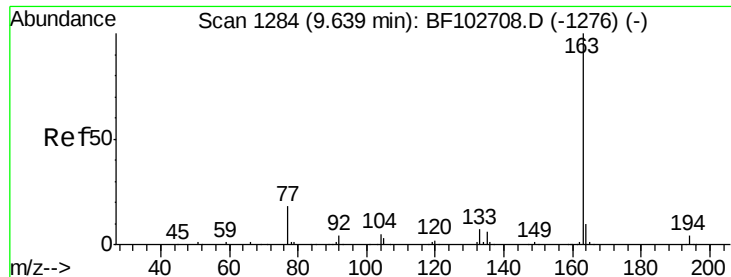
#47
 2-Nitroaniline
 Concen: 3.56 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. 0.16 min
 Lab File: BF102931.D
 Acq: 12 Feb 2018 20:05

Tgt Ion: 65 Resp: 988
 Ion Ratio Lower Upper
 65 100
 92 521.9 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): E

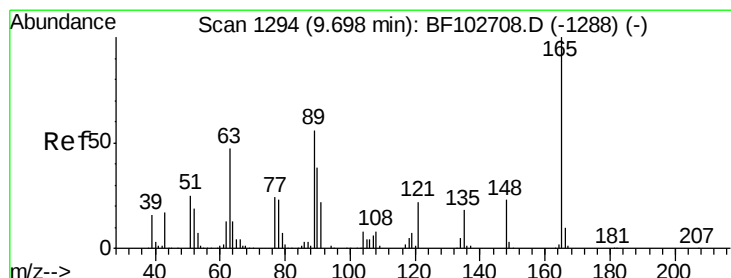
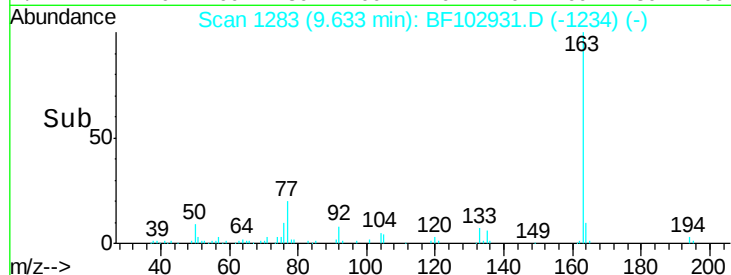
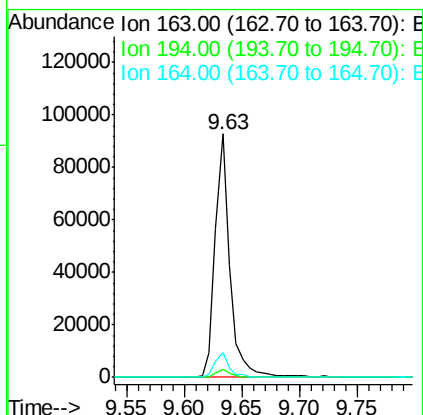
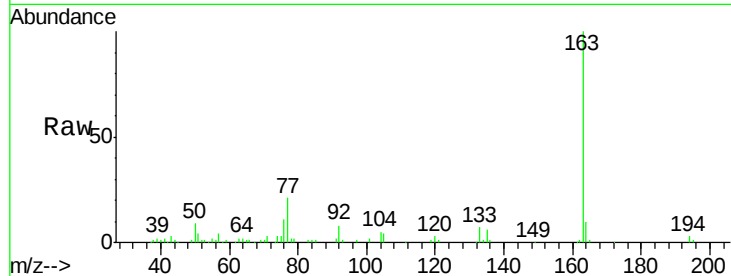




#49
Dimethylphthalate
Concen: 2.00 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102931.D
Acq: 12 Feb 2018 20:05

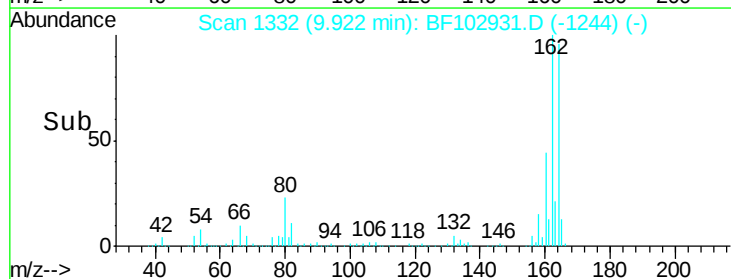
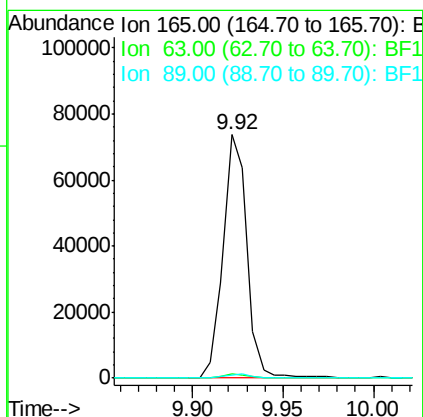
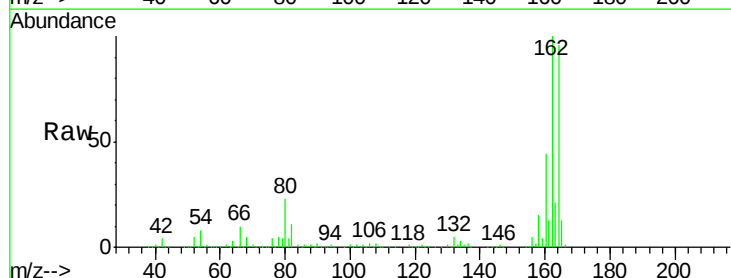
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.0	8.2	12.2



#50
2,6-Dinitrotoluene
Concen: 8.63 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.22 min
Lab File: BF102931.D
Acq: 12 Feb 2018 20:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.3	44.0	66.0#





#56

2,4-Dinitrotoluene

Concen: 9.10 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.18 min

Lab File: BF102931.D

Acq: 12 Feb 2018 20:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 67543

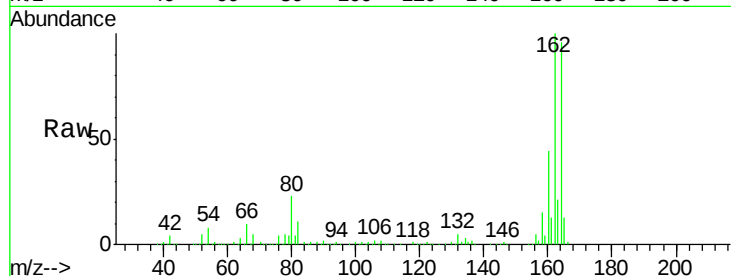
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

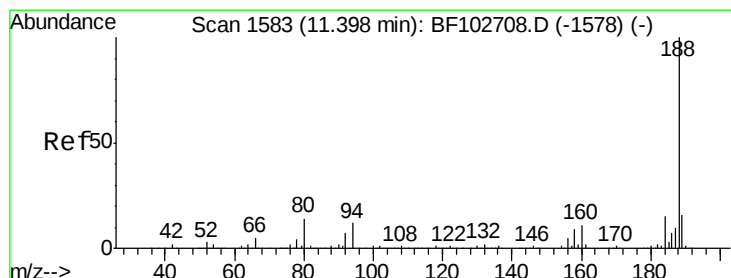
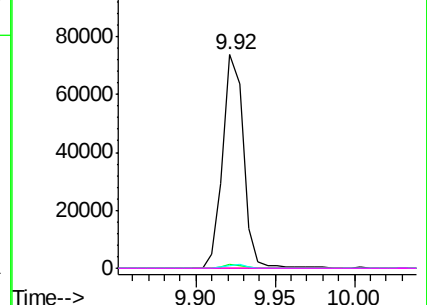
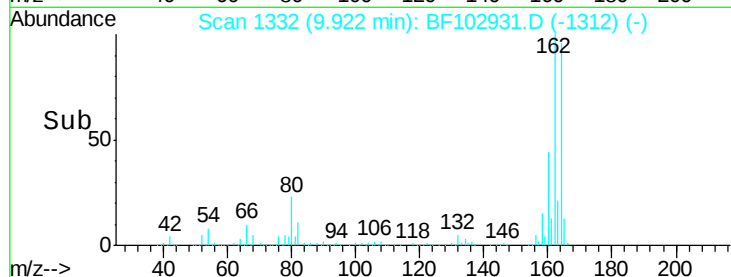


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF102931.D

Acq: 12 Feb 2018 20:05

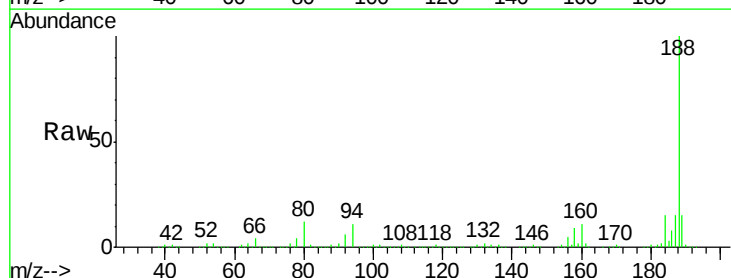
Tgt Ion:188 Resp: 730210

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

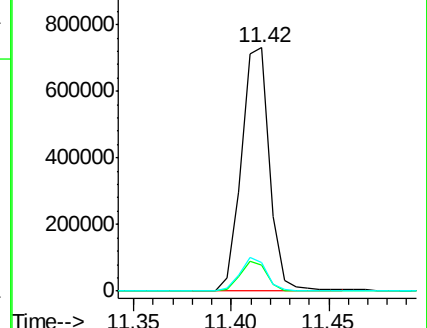
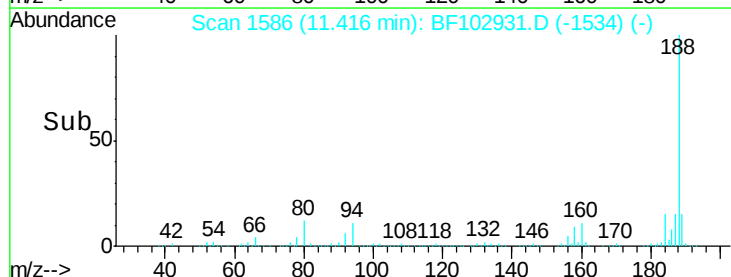
80 11.8 9.2 13.8

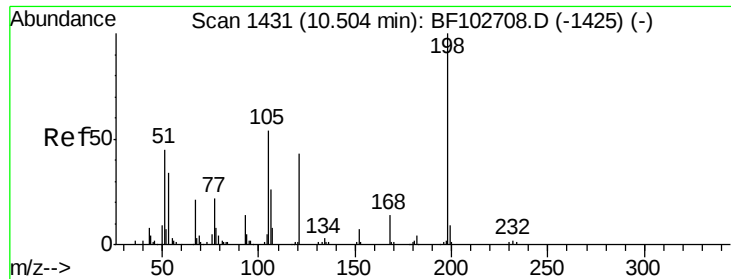


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

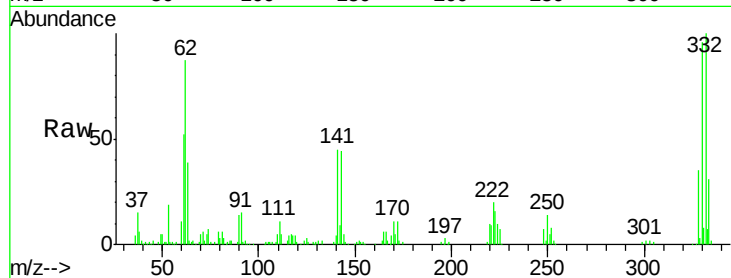




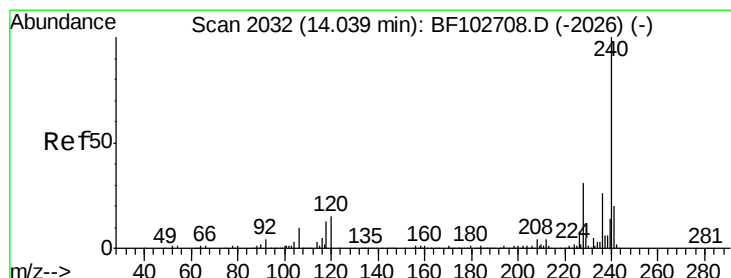
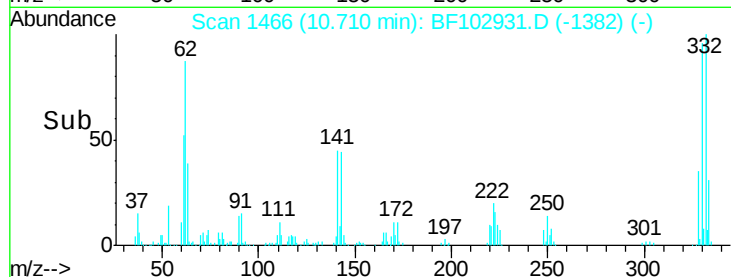
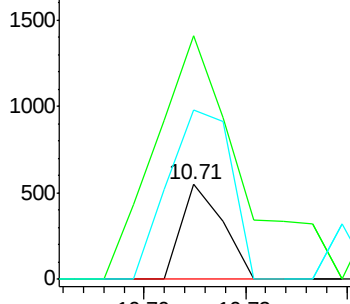
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.89 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF102931.D
 Acq: 12 Feb 2018 20:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 311
 Ion Ratio Lower Upper
 198 100
 51 257.4 37.7 77.7#
 105 179.5 36.3 76.3#

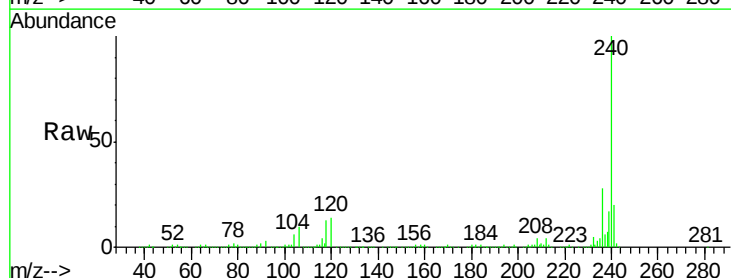


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

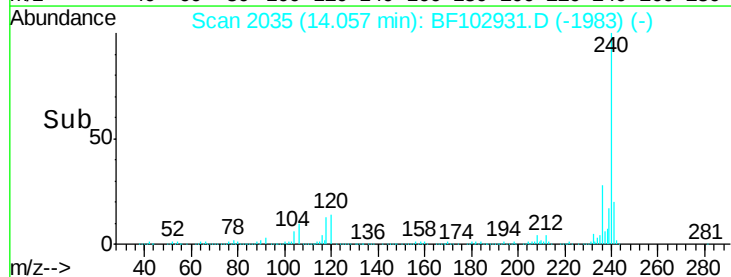
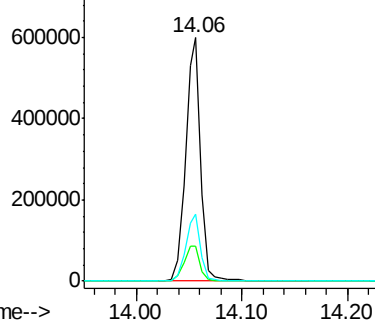


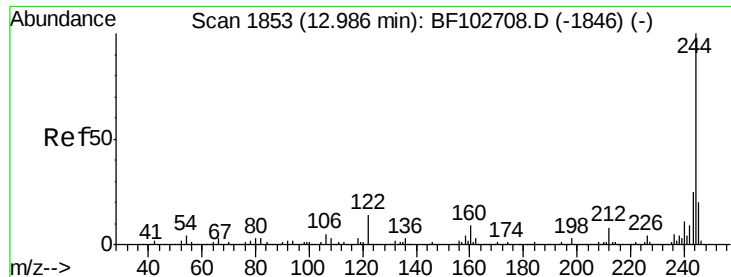
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF102931.D
 Acq: 12 Feb 2018 20:05

Tgt Ion:240 Resp: 600741
 Ion Ratio Lower Upper
 240 100
 120 14.3 9.5 14.3#
 236 27.7 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: 33.02 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102931.D

Acq: 12 Feb 2018 20:05

Instrument :

BNA_F

ClientSampled :

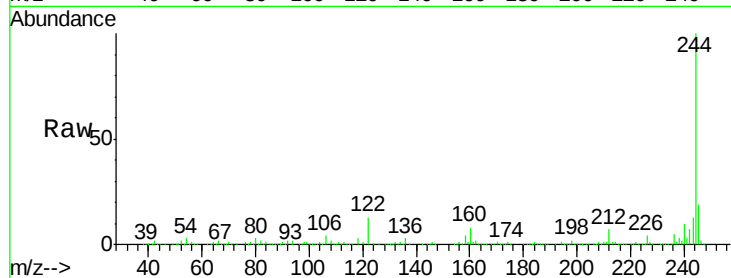
Tot Ion:244 Resp: 837670

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

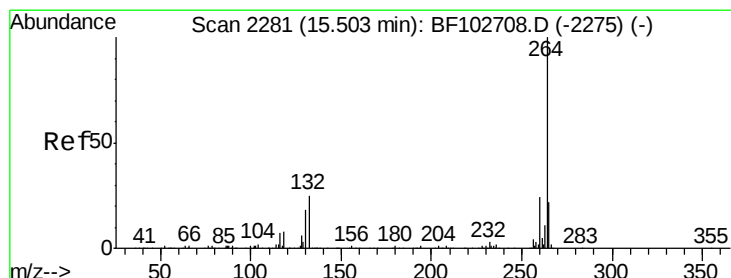
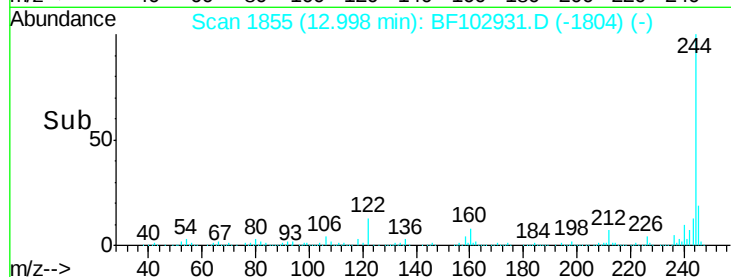
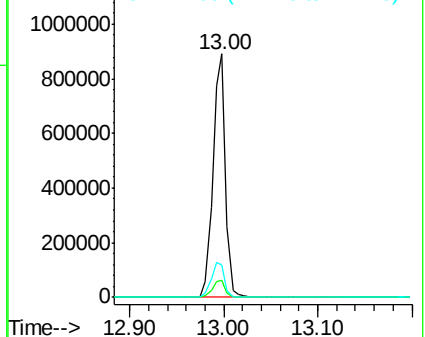
122 13.1 11.0 16.4



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# 2288

Delta R.T. 0.02 min

Lab File: BF102931.D

Acq: 12 Feb 2018 20:05

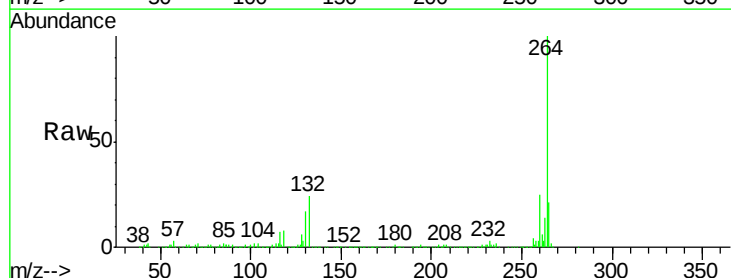
Tgt Ion:264 Resp: 561542

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

265 21.5 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

