

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112106.D
 Acq On : 17 Jan 2019 23:46
 Operator : JU/SJ
 Sample : K1164-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 011519-DBRI-F-D-M

Quant Time: Jan 18 01:10:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

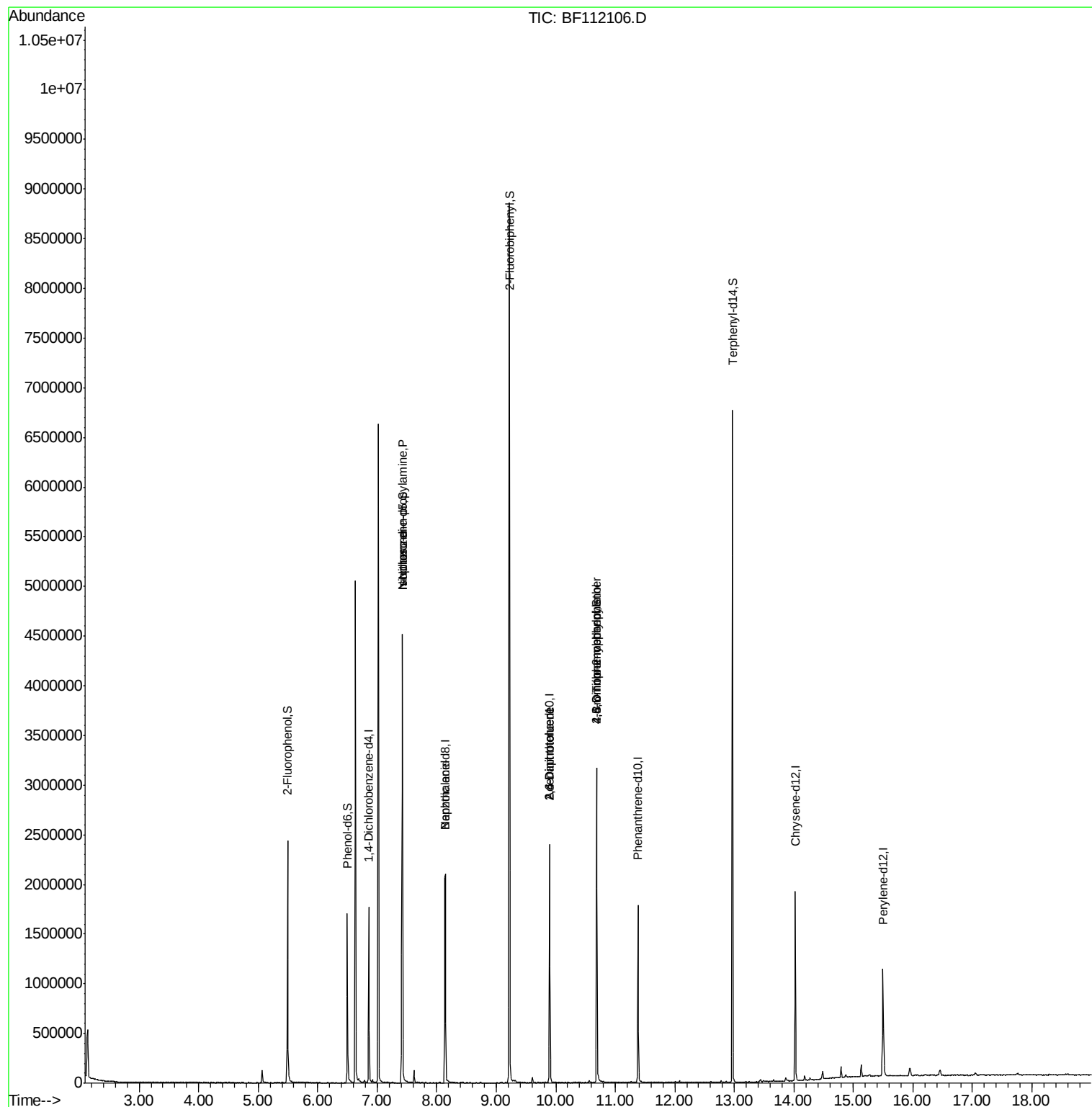
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	291233	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1028898	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	448076	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	715413	20.00	ng	0.00
76) Chrysene-d12	14.02	240	642250	20.00	ng	-0.01
87) Perylene-d12	15.50	264	496537	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	681601	42.48	ng	0.00
7) Phenol-d6	6.50	99	527141	26.26	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1617839	108.64	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	399593	82.67	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2875624	94.09	ng	0.00
79) Terphenyl-d14	12.97	244	2328635	77.13	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1068	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	220291	18.012	ng	# 1
25) Isophorone	7.42	82	1617827	56.243	ng	# 78
32) Benzoic acid	8.15	122	138	7.192	ng	# 64
51) 2,6-Dinitrotoluene	9.90	165	58913	9.028	ng	# 1
57) 2,4-Dinitrotoluene	9.90	165	58914	10.943	ng	# 34
65) 4,6-Dinitro-2-methylphenol	10.69	198	813	10.285	ng	# 31
67) 4-Bromophenyl-phenylether	10.69	248	22251	2.678	ng	# 1

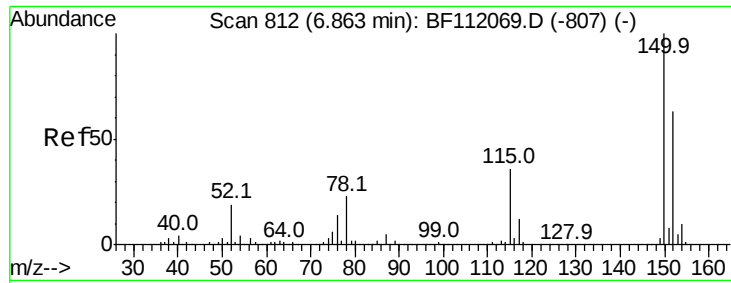
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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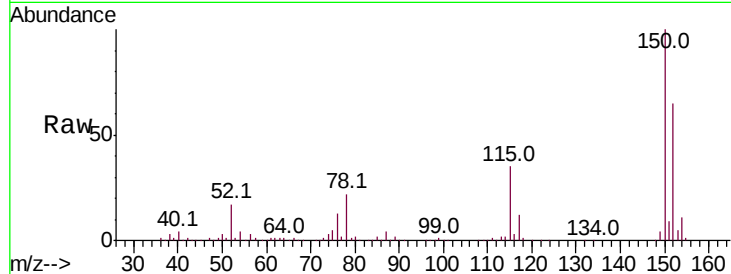


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF112106.D
Acq: 17 Jan 2019 23:46

Instrument :
BNA_F
ClientSampleId :
011519-DBRI-F-D-M

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	127.4	191.0
115	54.5	45.5	68.3

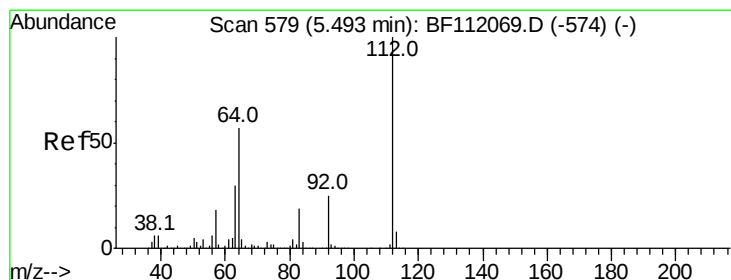
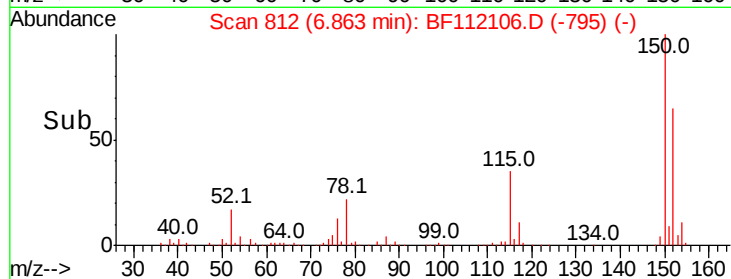
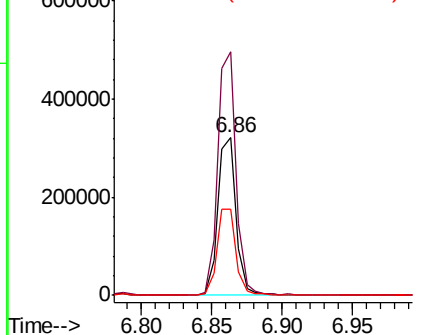


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

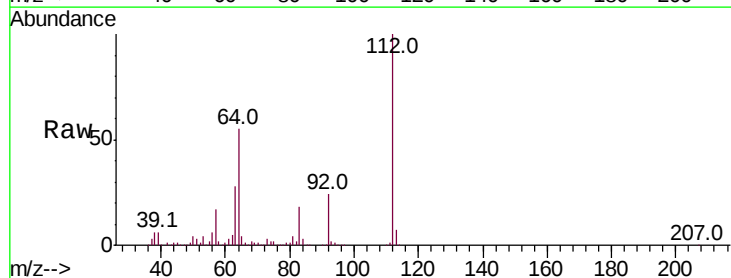
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.479 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF112106.D
Acq: 17 Jan 2019 23:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	45.7	68.5
63	28.4	23.6	35.4

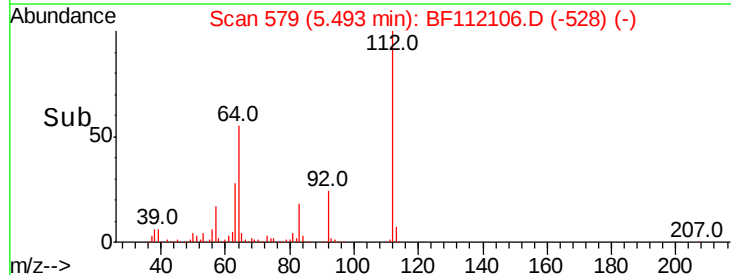
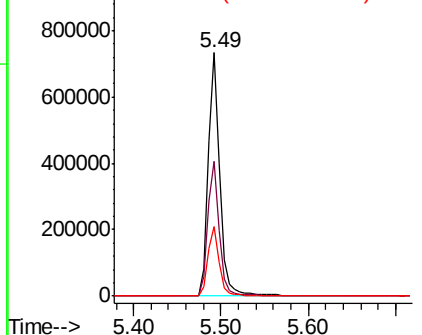


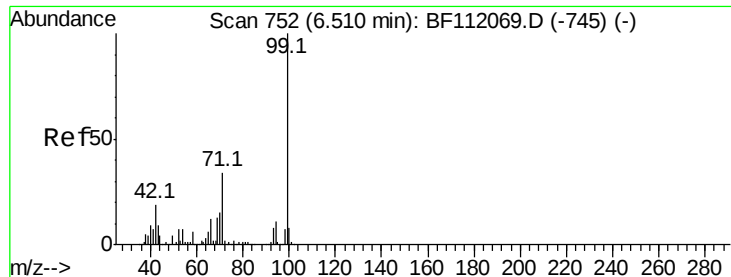
Abundance

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: 26.258 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112106.D

Acq: 17 Jan 2019 23:46

Instrument :

BNA_F

ClientSampleId :

011519-DBRI-F-D-M

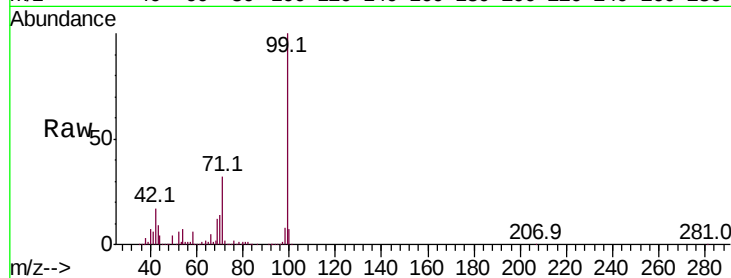
Tot Ion: 99 Resp: 527141

Ion Ratio Lower Upper

99 100

42 17.4 15.1 22.7

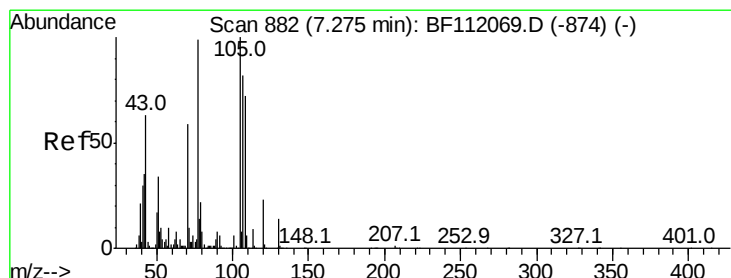
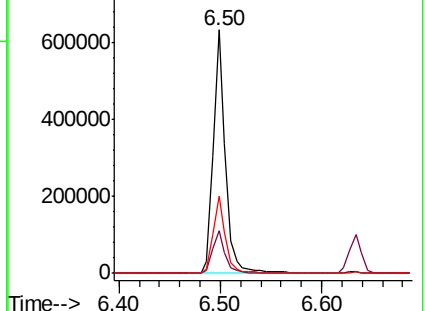
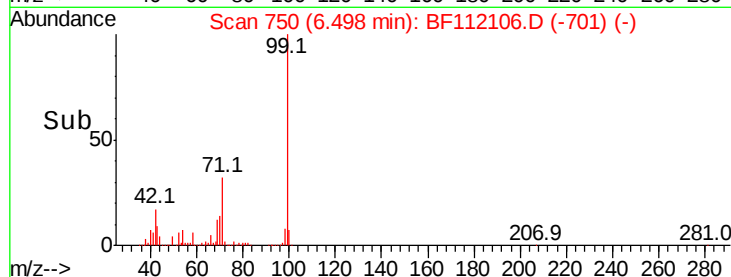
71 31.8 26.9 40.3



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: 18.012 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF112106.D

Acq: 17 Jan 2019 23:46

Tgt Ion: 70 Resp: 220291

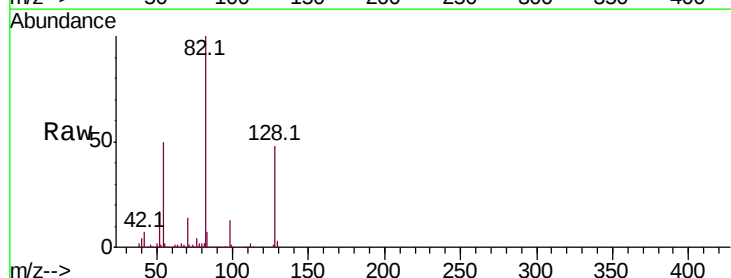
Ion Ratio Lower Upper

70 100

42 49.5 47.6 71.4

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#

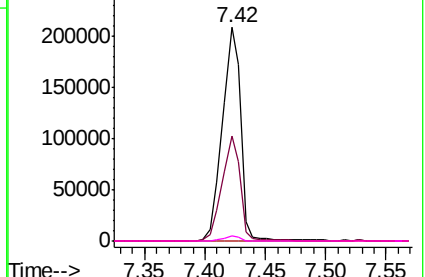
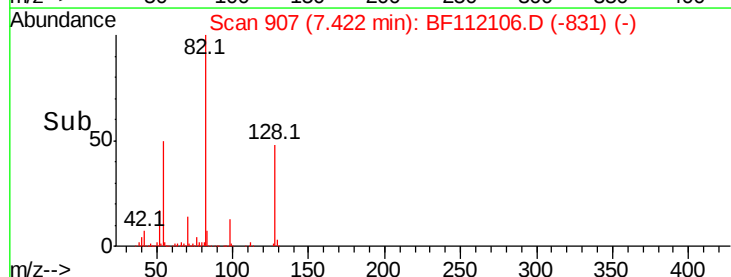


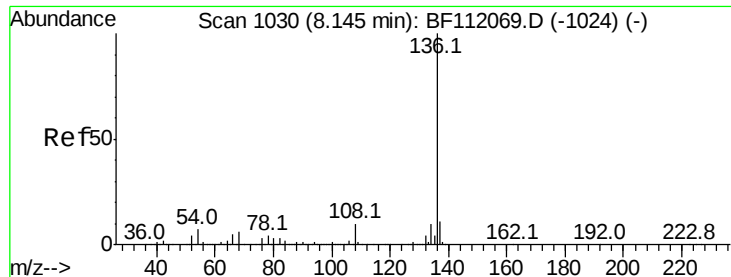
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.15 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF112106.D

Acq: 17 Jan 2019 23:46

Instrument :

BNA_F

ClientSampleId :

011519-DBRI-F-D-M

Tot Ion:136 Resp: 1028898

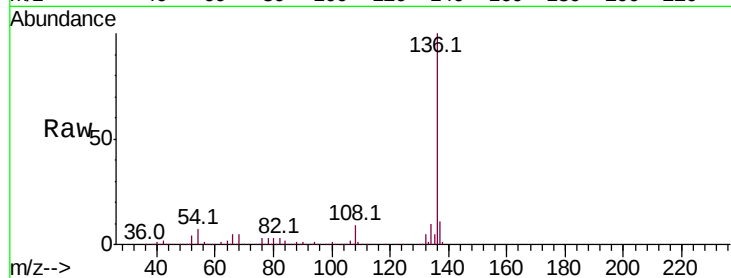
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.8 5.9 8.9

68 5.4 5.1 7.7

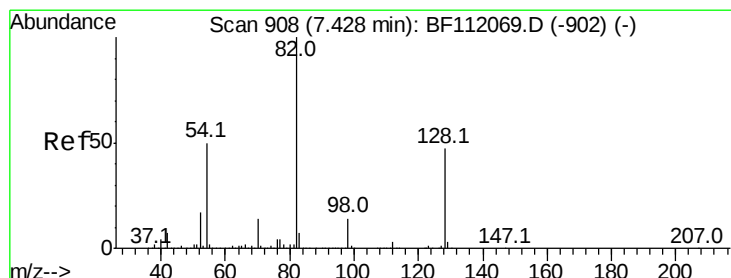
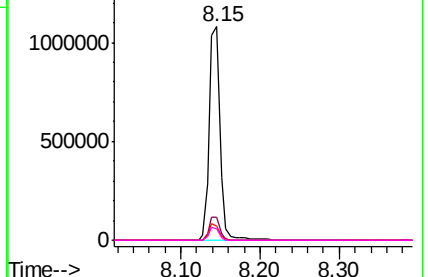
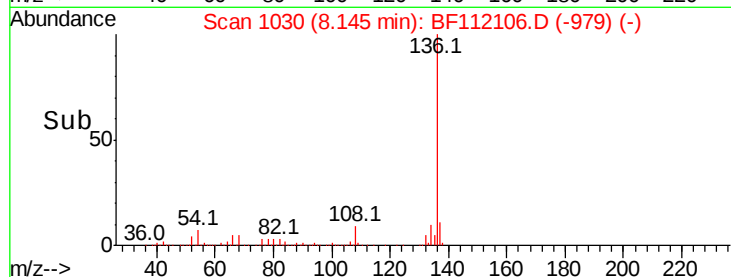


Abundance Ion 136.00 (135.70 to 136.70): E

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: 108.635 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF112106.D

Acq: 17 Jan 2019 23:46

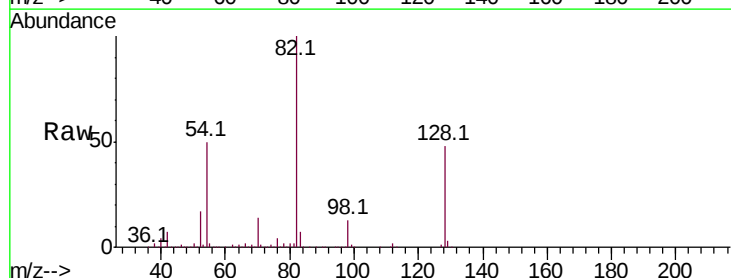
Tgt Ion: 82 Resp: 1617839

Ion Ratio Lower Upper

82 100

128 47.8 37.8 56.8

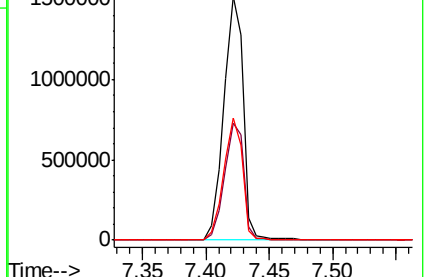
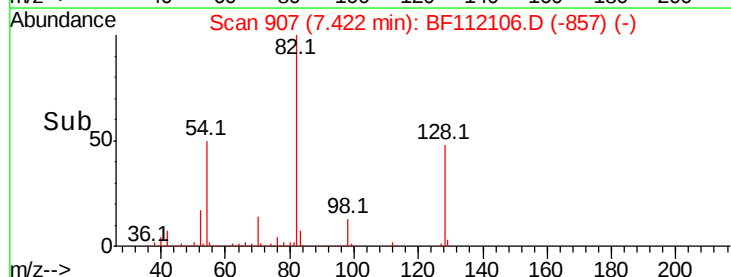
54 50.3 39.7 59.5

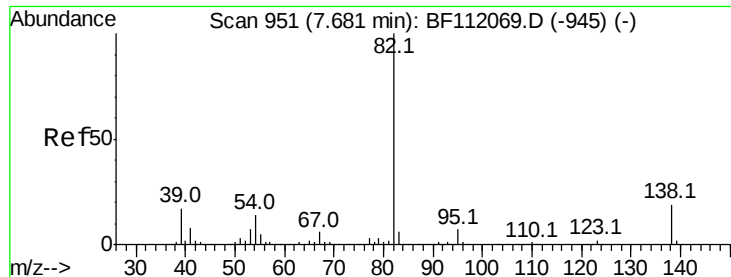


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 56.243 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF112106.D

Acq: 17 Jan 2019 23:46

Instrument :

BNA_F

ClientSampleId :

011519-DBRI-F-D-M

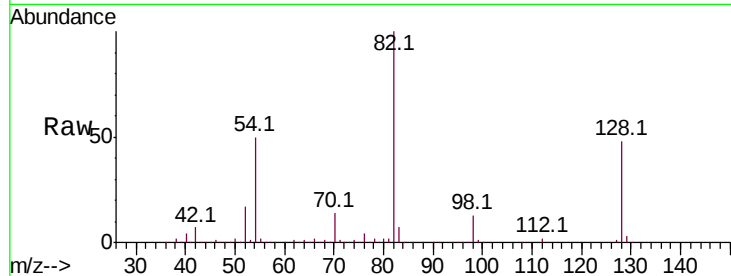
Tot Ion: 82 Resp: 1617827

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

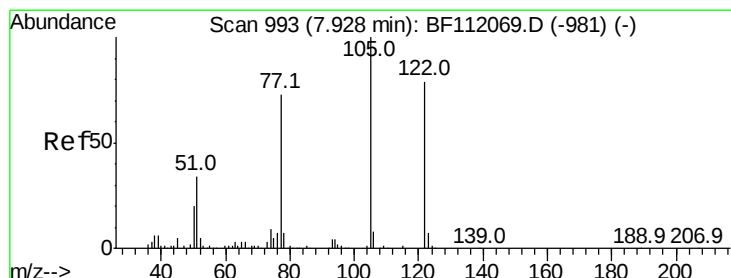
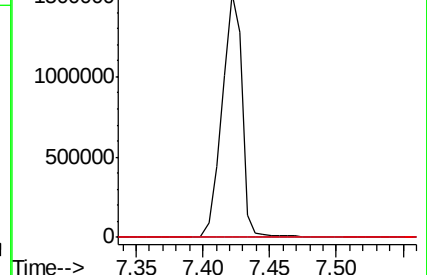
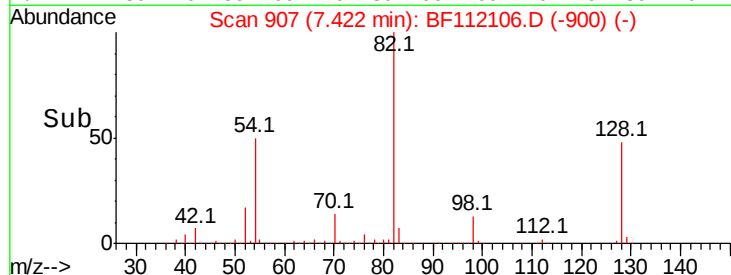
138 0.0 15.4 23.0#



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: 7.192 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.22 min

Lab File: BF112106.D

Acq: 17 Jan 2019 23:46

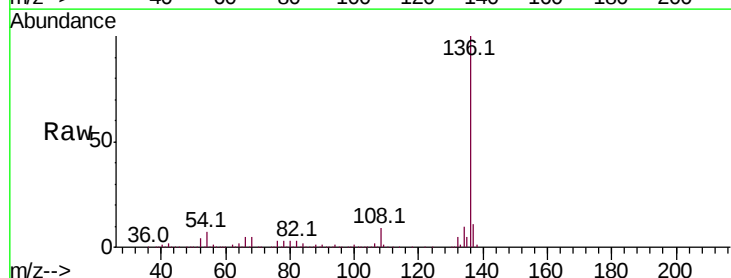
Tgt Ion:122 Resp: 138

Ion Ratio Lower Upper

122 100

105 286.5 101.2 141.2#

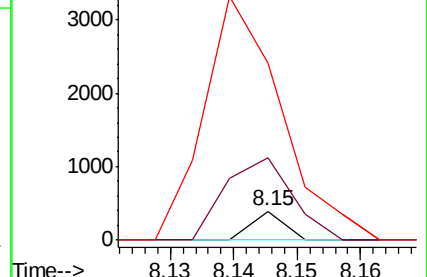
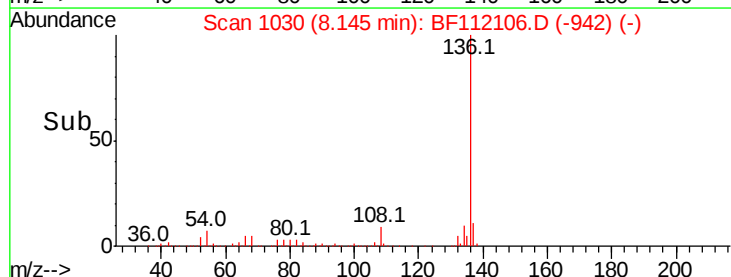
77 617.3 70.4 110.4#

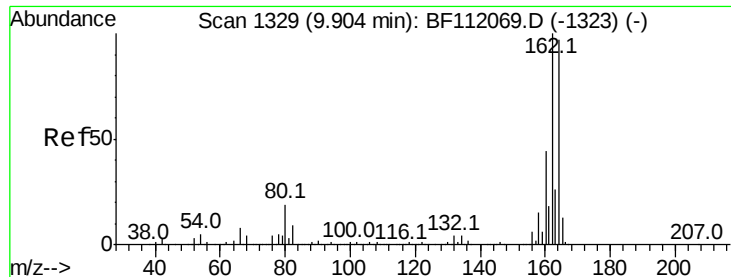


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

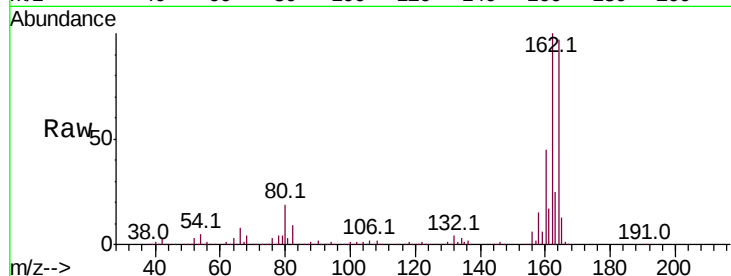




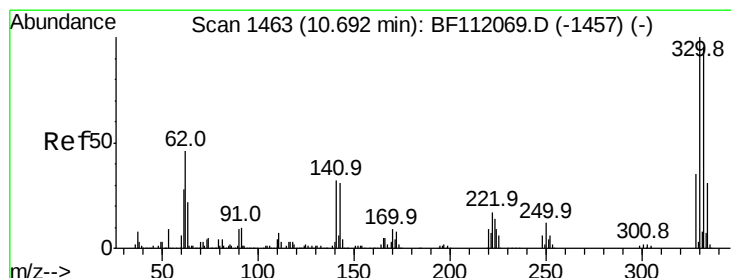
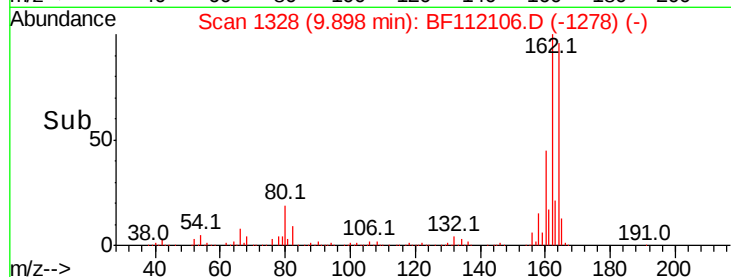
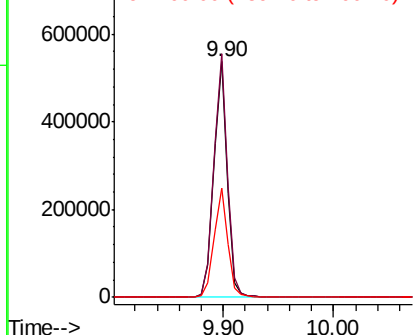
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF112106.D
 Acq: 17 Jan 2019 23:46

Instrument :
 BNA_F
 ClientSampleId :
 011519-DBRI-F-D-M

Tot Ion:164 Resp: 448076
 Ion Ratio Lower Upper
 164 100
 162 103.2 82.2 123.4
 160 46.4 36.2 54.4

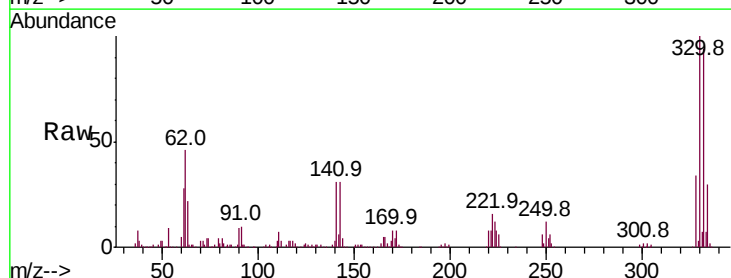


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

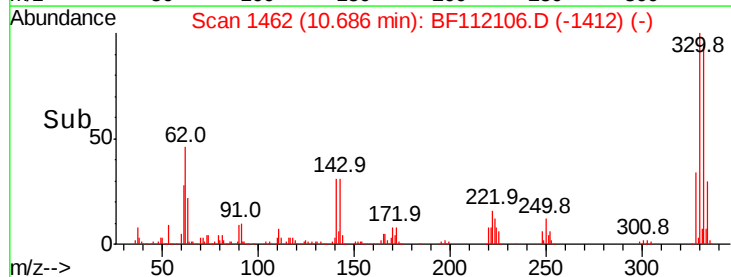
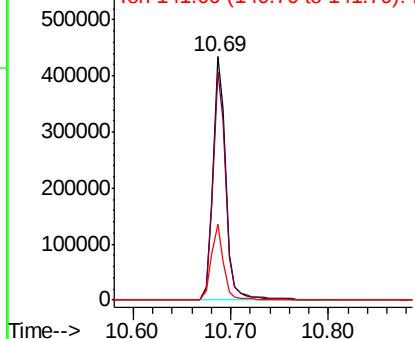


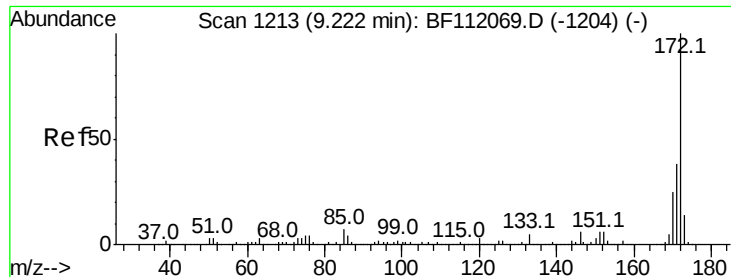
#42
 2,4,6-Tribromophenol
 Concen: 82.667 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112106.D
 Acq: 17 Jan 2019 23:46

Tgt Ion:330 Resp: 399593
 Ion Ratio Lower Upper
 330 100
 332 94.0 76.6 114.8
 141 30.1 24.3 36.5



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



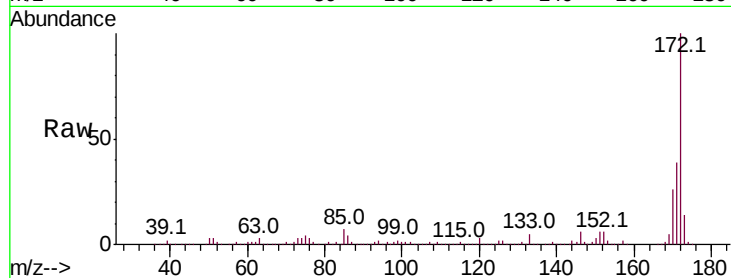


#45
 2-Fluorobiphenyl
 Concen: 94.091 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF112106.D
 Acq: 17 Jan 2019 23:46

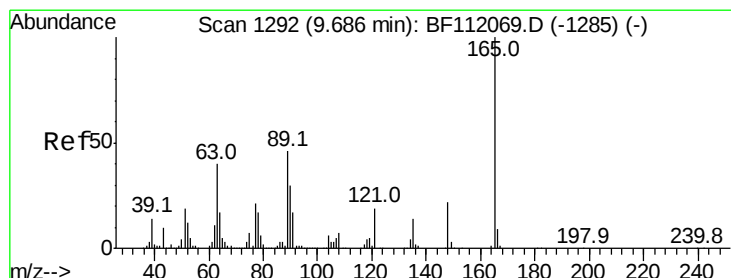
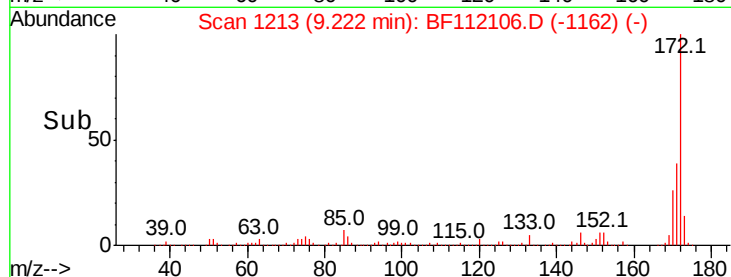
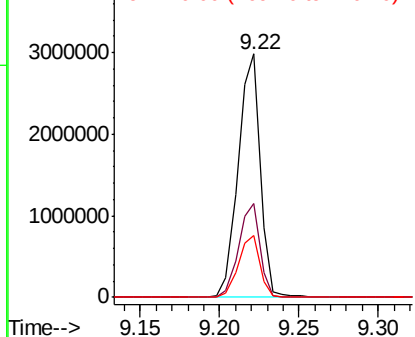
Instrument :
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Tot Ion:172 Resp: 2875624

Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.5	45.7
170	25.6	20.2	30.4



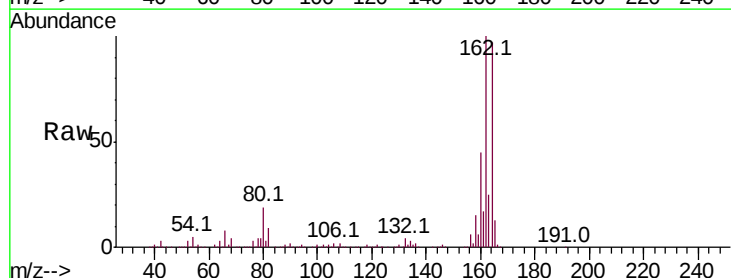
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



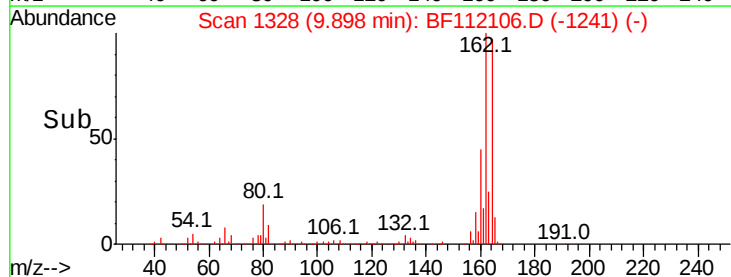
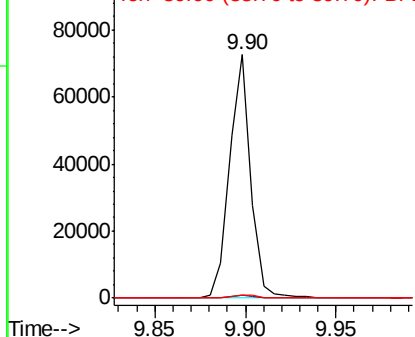
#51
 2,6-Dinitrotoluene
 Concen: 9.028 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF112106.D
 Acq: 17 Jan 2019 23:46

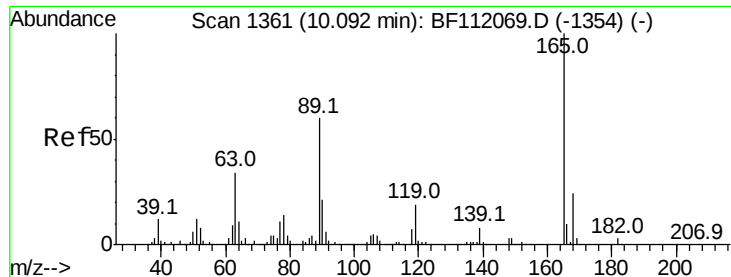
Tgt Ion:165 Resp: 58913

Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.8	50.8#
89	1.1	36.9	55.3#



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

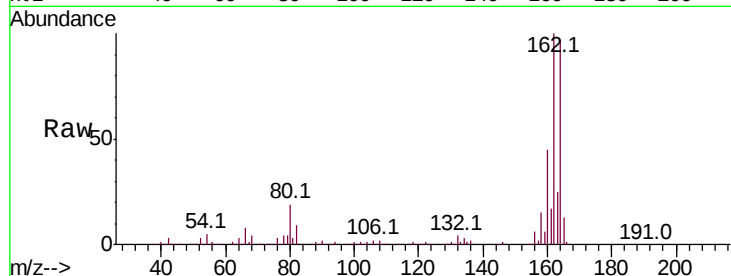




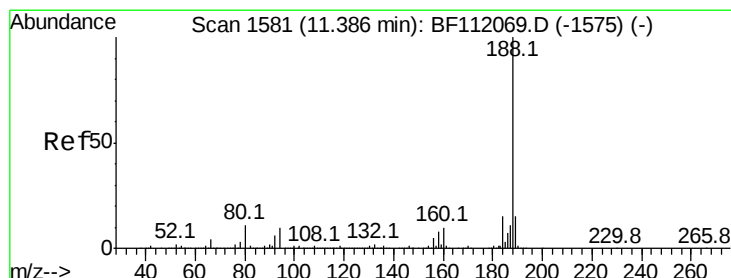
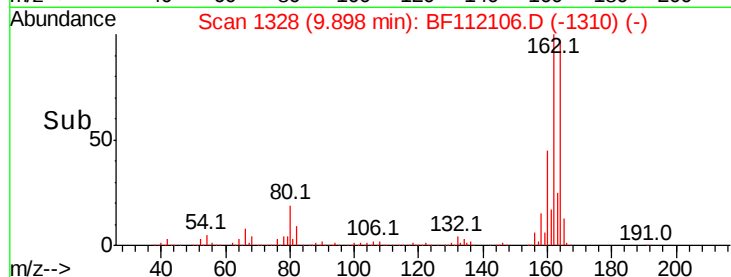
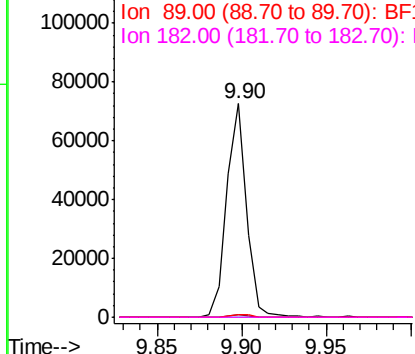
#57
 2,4-Dinitrotoluene
 Concen: 10.943 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.19 min
 Lab File: BF112106.D
 Acq: 17 Jan 2019 23:46

Instrument :
 BNA_F
 ClientSampleId :
 011519-DBRI-F-D-M

Tot Ion:165 Resp: 58914
 Ion Ratio Lower Upper
 165 100
 63 1.5 27.9 41.9#
 89 1.1 47.9 71.9#
 182 0.0 2.2 3.4#

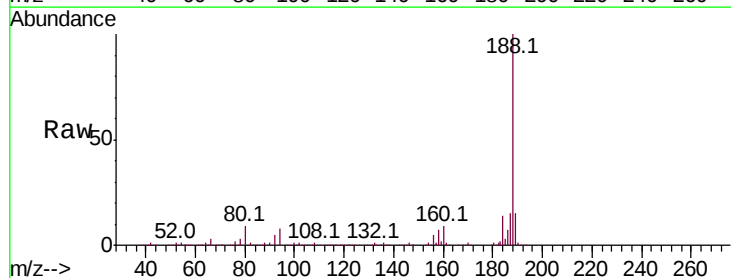


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

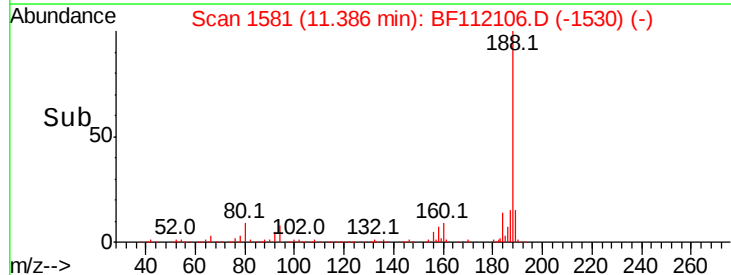
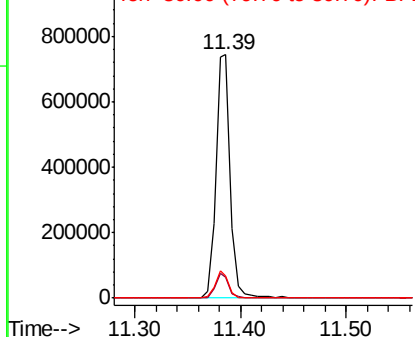


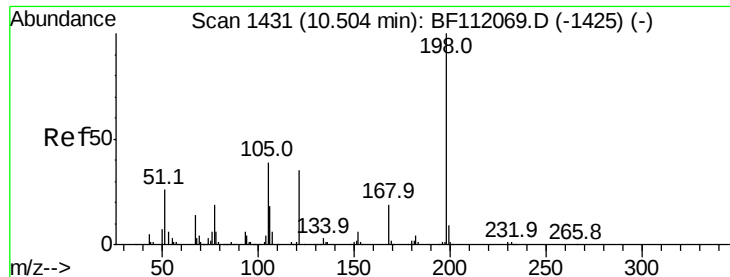
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF112106.D
 Acq: 17 Jan 2019 23:46

Tgt Ion:188 Resp: 715413
 Ion Ratio Lower Upper
 188 100
 94 8.5 8.2 12.2
 80 9.0 8.9 13.3



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





#65

4,6-Dinitro-2-methylphenol

Concen: 10.285 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.18 min

Lab File: BF112106.D

Acq: 17 Jan 2019 23:46

Instrument :

BNA_F

ClientSampleId :

011519-DBRI-F-D-M

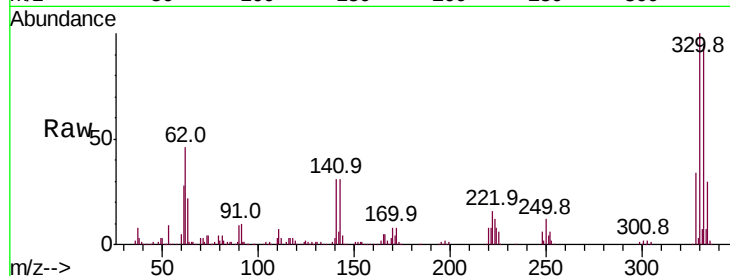
Tot Ion:198 Resp: 813

Ion Ratio Lower Upper

198 100

51 141.3 17.2 57.2#

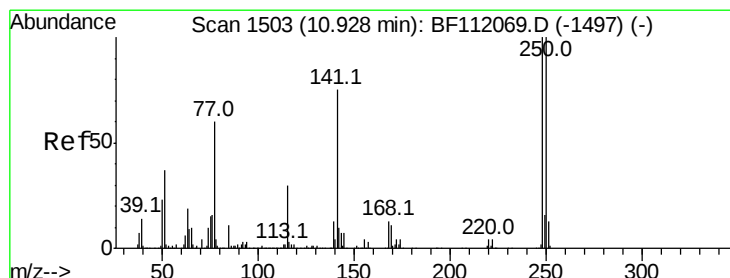
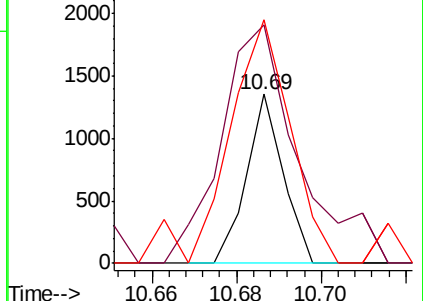
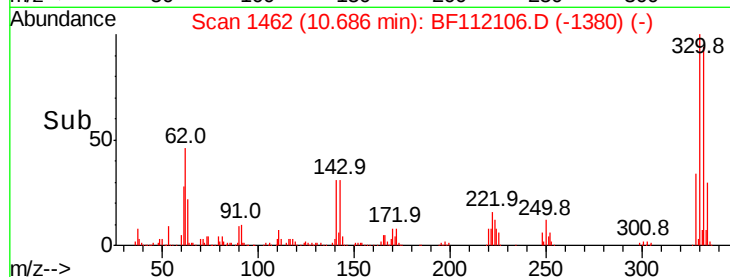
105 144.2 21.9 61.9#



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



#67

4-Bromophenyl-phenylether

Concen: 2.678 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.24 min

Lab File: BF112106.D

Acq: 17 Jan 2019 23:46

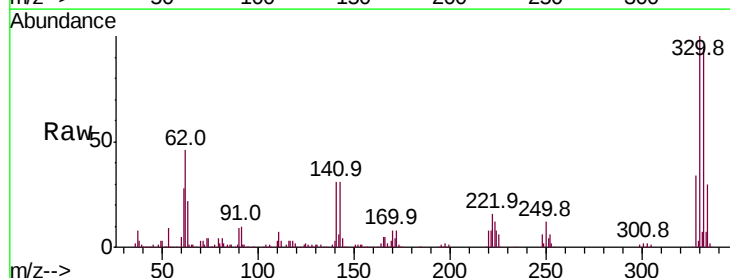
Tgt Ion:248 Resp: 22251

Ion Ratio Lower Upper

248 100

250 208.6 79.7 119.5#

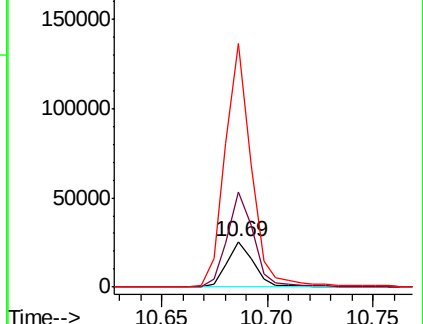
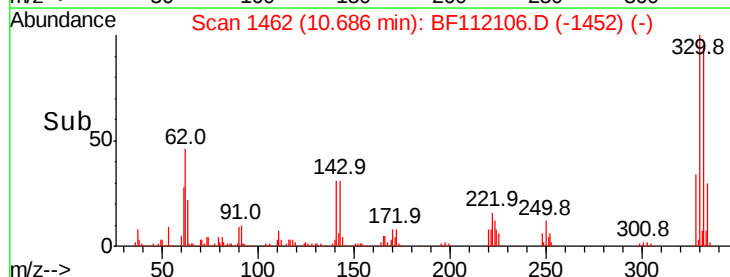
141 536.6 60.3 90.5#

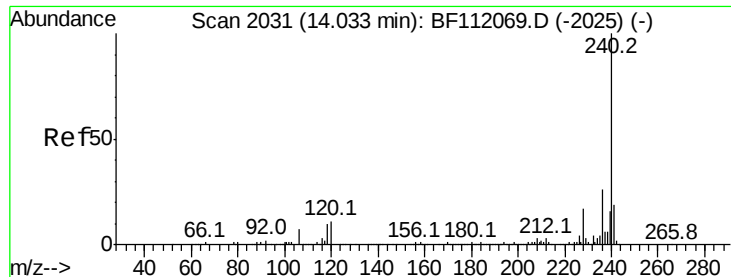


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112106.D

Acq: 17 Jan 2019 23:46

Instrument :

BNA_F

ClientSampleId :

011519-DBRI-F-D-M

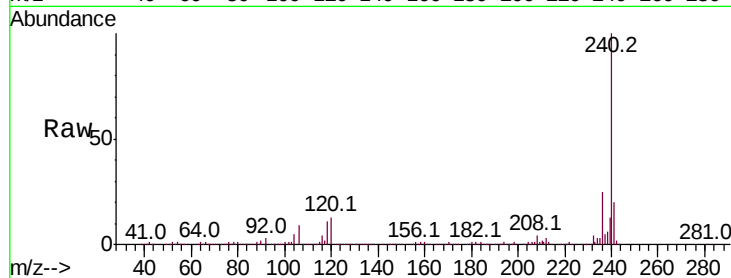
Tot Ion:240 Resp: 642250

Ion Ratio Lower Upper

240 100

120 13.3 9.0 13.6

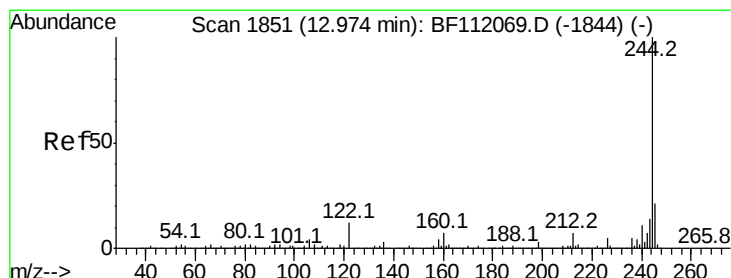
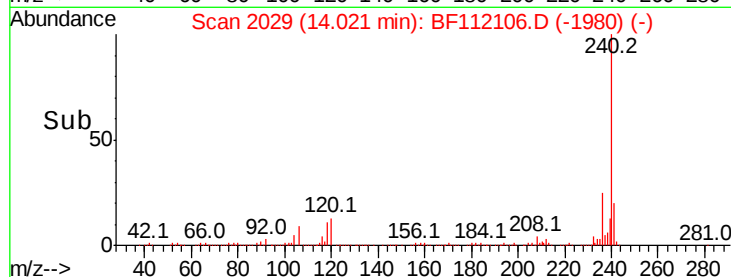
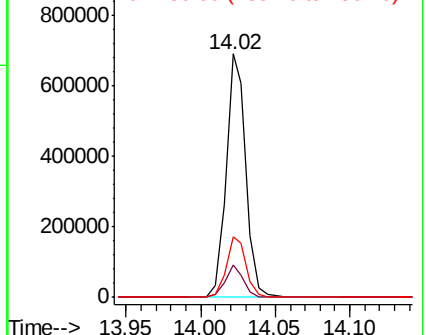
236 24.9 20.7 31.1



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



#79

Terphenyl-d14

Concen: 77.133 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF112106.D

Acq: 17 Jan 2019 23:46

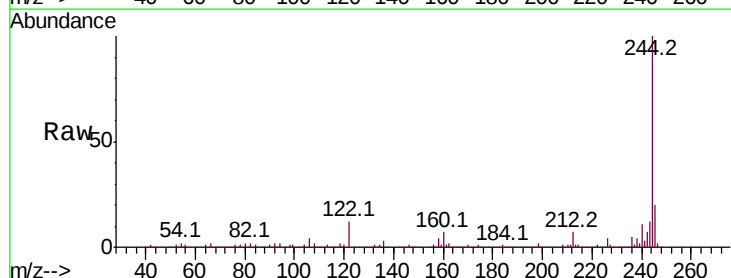
Tgt Ion:244 Resp: 2328635

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

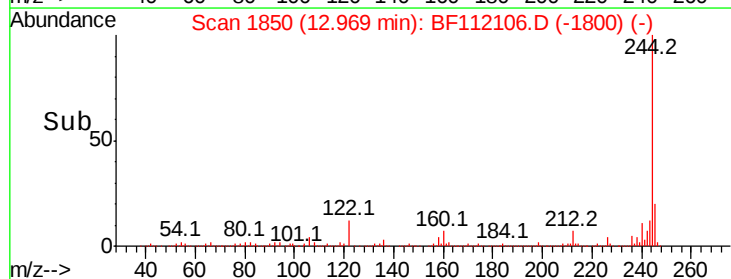
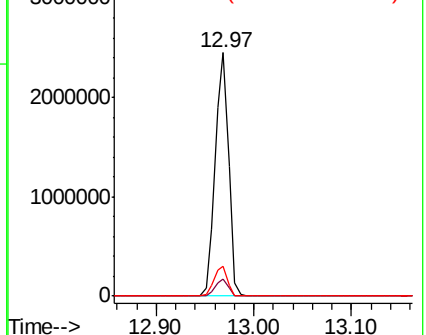
122 12.1 9.8 14.6

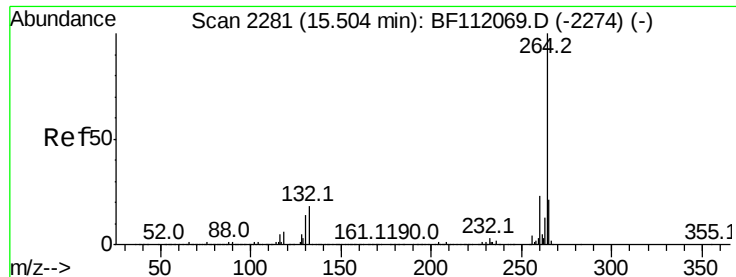


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF112106.D
Acq: 17 Jan 2019 23:46

Instrument :
BNA_F
ClientSampleId :
011519-DBRI-F-D-M

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	21.4	17.0	25.4

