

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112098.D
 Acq On : 17 Jan 2019 19:14
 Operator : JU/SJ
 Sample : K1164-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 011519-BLST-E-D-B

Quant Time: Jan 18 00:10:13 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	295635	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1044275	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	452058	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	730189	20.00	ng	0.00
76) Chrysene-d12	14.03	240	657702	20.00	ng	0.00
87) Perylene-d12	15.50	264	511530	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	758749	46.58	ng	0.00
7) Phenol-d6	6.50	99	673440	33.05	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1686191	111.56	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	428539	87.87	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2941050	95.38	ng	0.00
79) Terphenyl-d14	12.97	244	2443296	79.03	ng	0.00

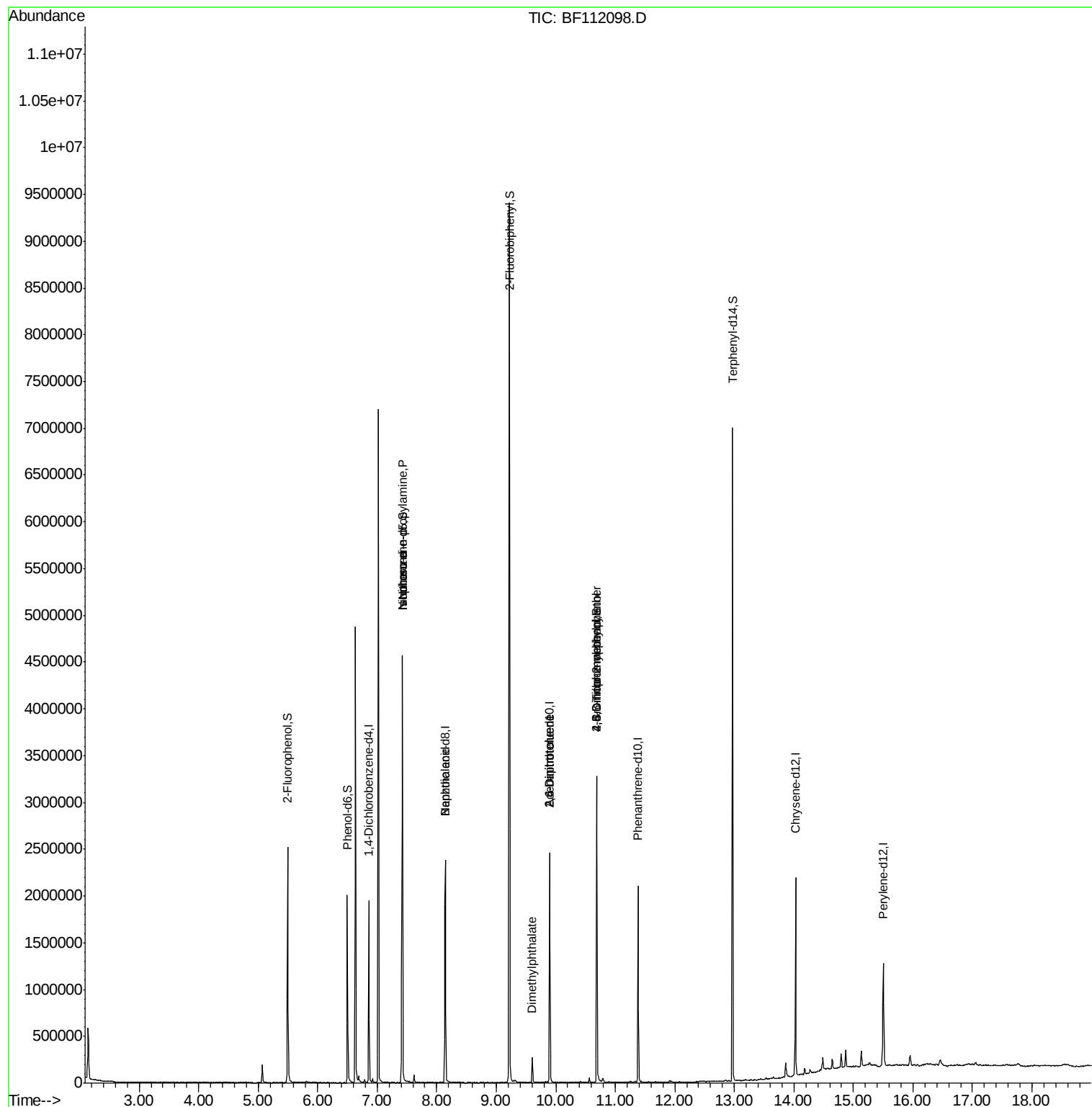
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1256	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.42	70	231151	18.619	ng	# 77
25) Isophorone	7.42	82	1686180	57.756	ng	# 64
32) Benzoic acid	8.15	122	122	7.189	ng	# 1
50) Dimethylphthalate	9.60	163	113142	3.432	ng	99
51) 2,6-Dinitrotoluene	9.90	165	59036	8.967	ng	# 34
57) 2,4-Dinitrotoluene	9.90	165	59036	10.900	ng	# 32
65) 4,6-Dinitro-2-methylphenol	10.69	198	803	10.278	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	24772	2.921	ng	# 1

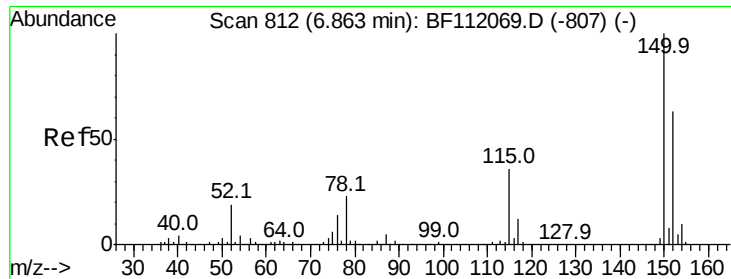
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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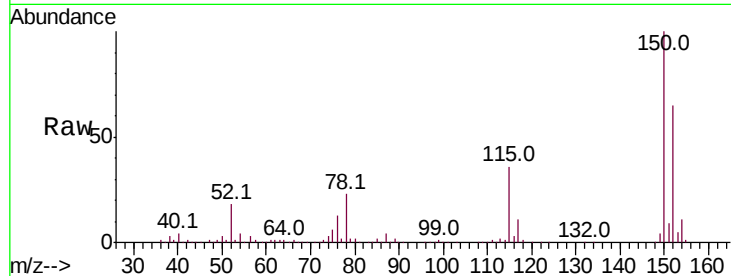


#1

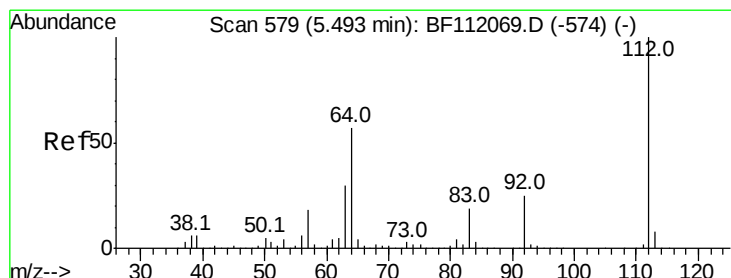
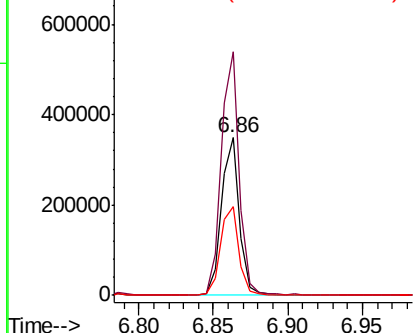
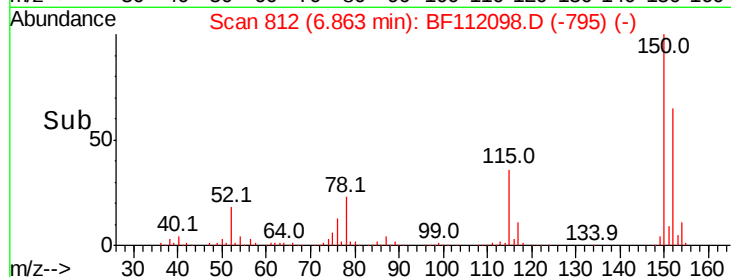
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF112098.D
Acq: 17 Jan 2019 19:14

Instrument :
BNA_F
ClientSampleId :
011519-BLST-E-D-B

Tot Ion:152 Resp: 295635
Ion Ratio Lower Upper
152 100
150 154.5 127.4 191.0
115 56.2 45.5 68.3



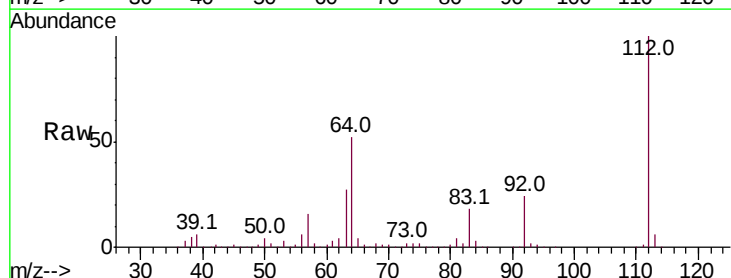
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



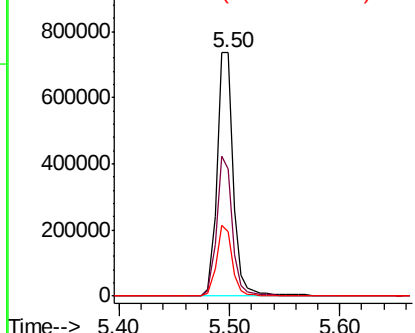
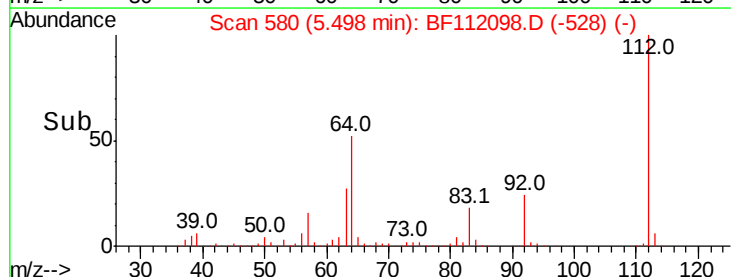
#5

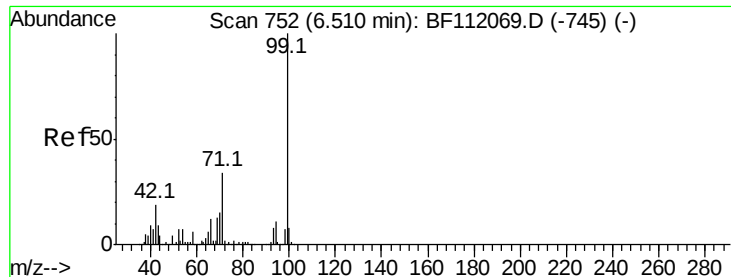
2-Fluorophenol
Concen: 46.583 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF112098.D
Acq: 17 Jan 2019 19:14

Tgt Ion:112 Resp: 758749
Ion Ratio Lower Upper
112 100
64 52.5 45.7 68.5
63 26.7 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: 33.046 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112098.D

Acq: 17 Jan 2019 19:14

Instrument :

BNA_F

ClientSampleId :

011519-BLST-E-D-B

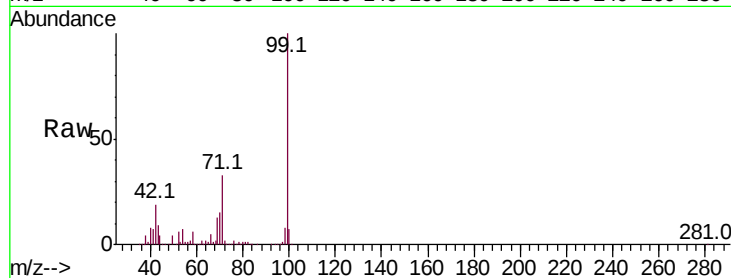
Tot Ion: 99 Resp: 673440

Ion Ratio Lower Upper

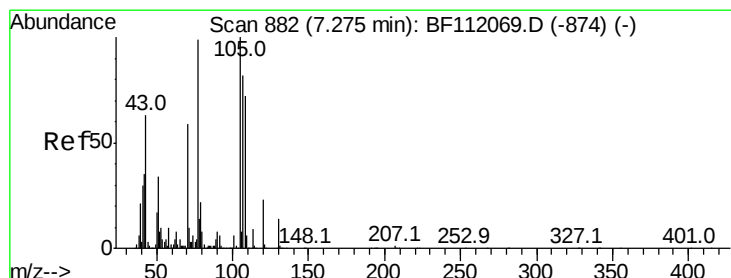
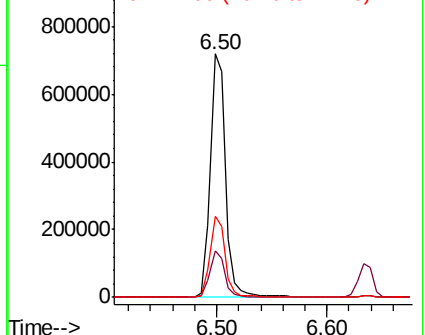
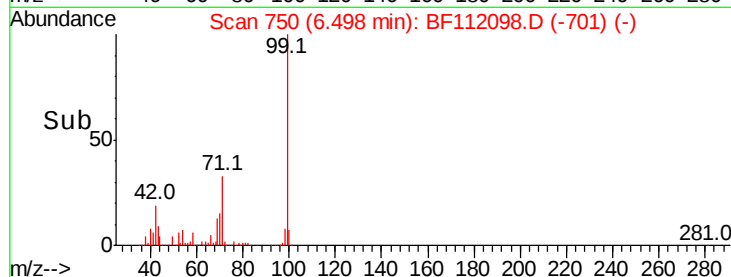
99 100

42 18.9 15.1 22.7

71 33.5 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: 18.619 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF112098.D

Acq: 17 Jan 2019 19:14

Tgt Ion: 70 Resp: 231151

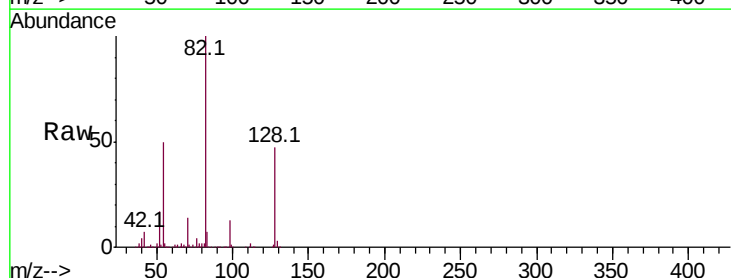
Ion Ratio Lower Upper

70 100

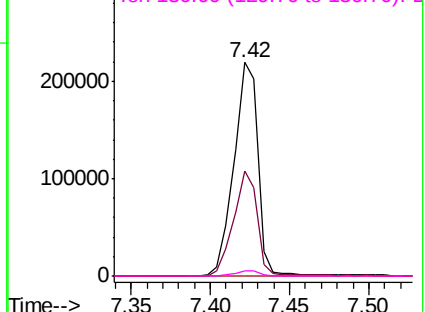
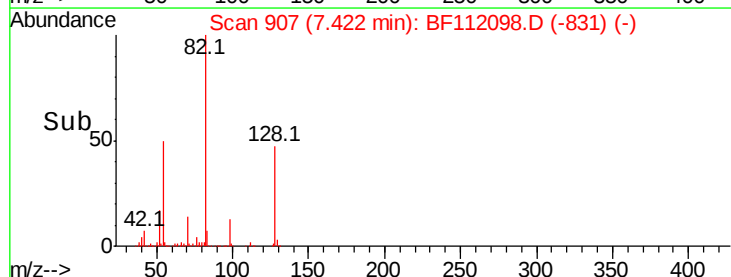
42 49.0 47.6 71.4

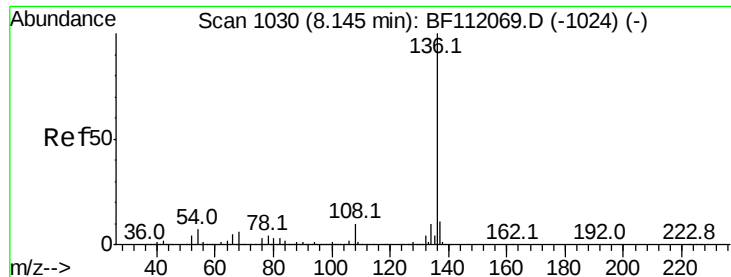
101 0.0 7.9 11.9#

130 2.2 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: BF112098.D

Acq: 17 Jan 2019 19:14

Instrument :

BNA_F

ClientSampleId :

011519-BLST-E-D-B

Tot Ion:136 Resp: 1044275

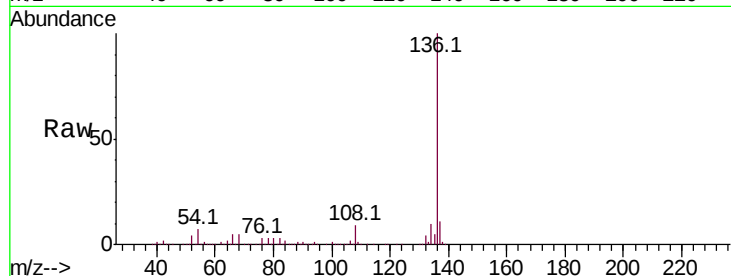
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.9 5.9 8.9

68 5.4 5.1 7.7

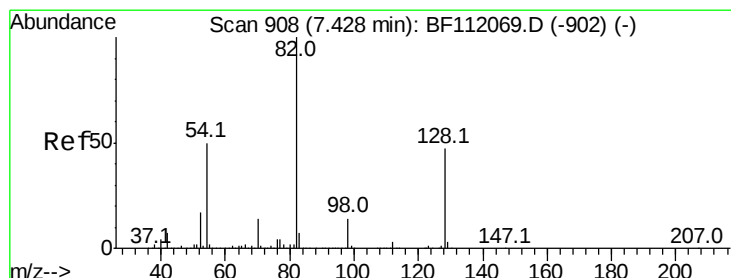
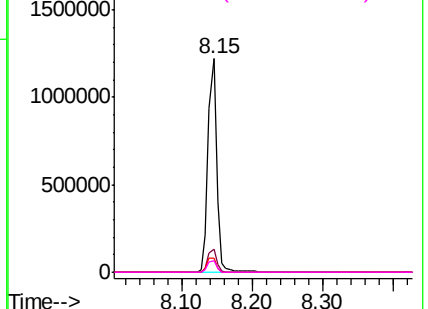
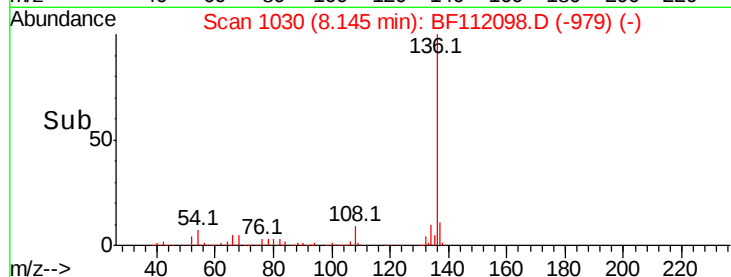


Abundance Ion 136.00 (135.70 to 136.70): E

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: 111.558 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF112098.D

Acq: 17 Jan 2019 19:14

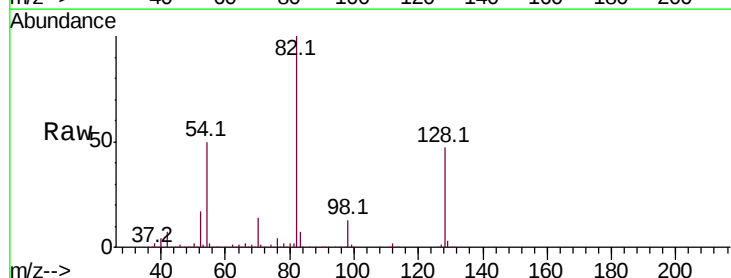
Tgt Ion: 82 Resp: 1686191

Ion Ratio Lower Upper

82 100

128 47.5 37.8 56.8

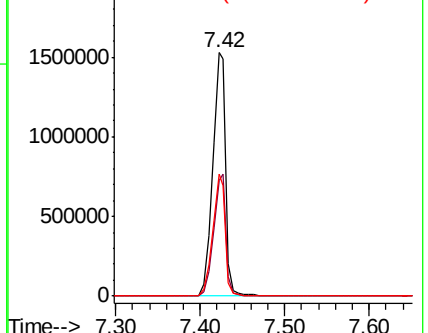
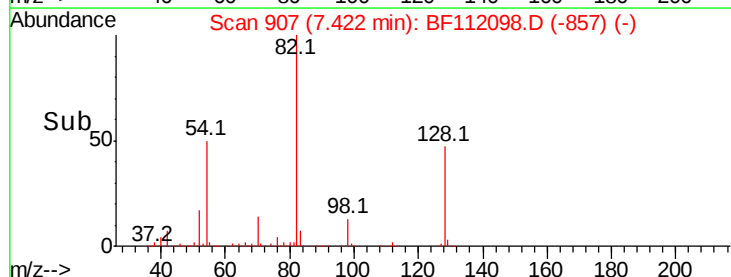
54 50.3 39.7 59.5

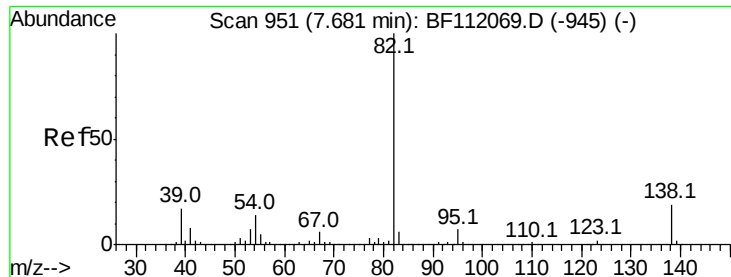


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 57.756 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF112098.D

Acq: 17 Jan 2019 19:14

Instrument :

BNA_F

ClientSampleId :

011519-BLST-E-D-B

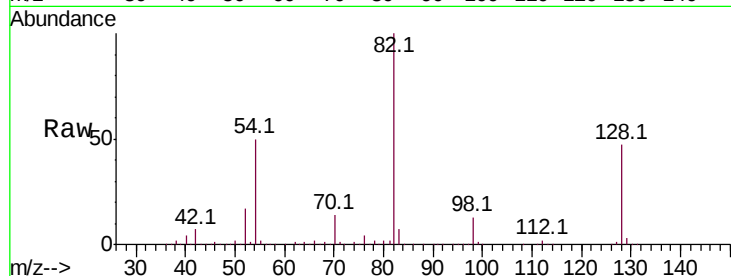
Tot Ion: 82 Resp: 1686180

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

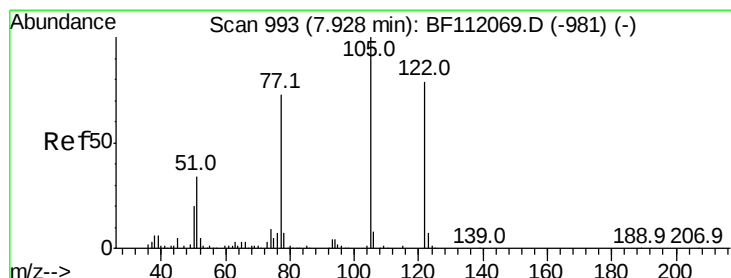
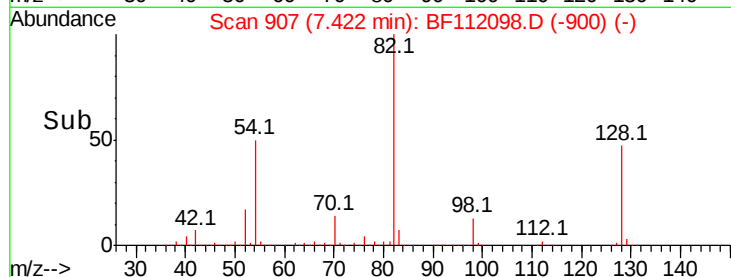
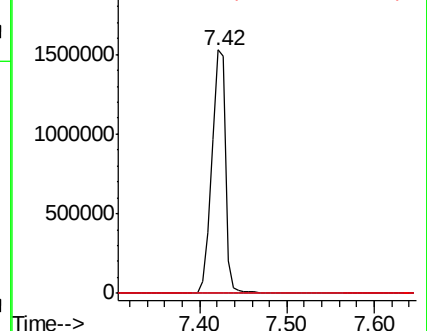
138 0.0 15.4 23.0#



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: 7.189 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.22 min

Lab File: BF112098.D

Acq: 17 Jan 2019 19:14

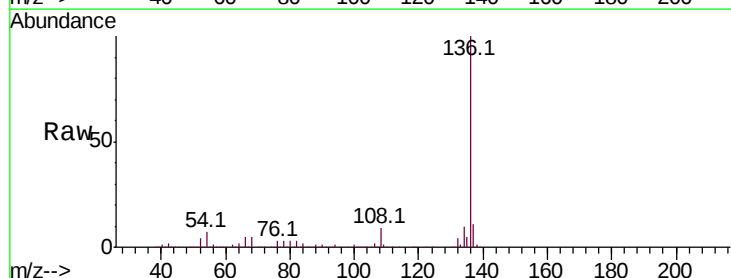
Tgt Ion:122 Resp: 122

Ion Ratio Lower Upper

122 100

105 375.7 101.2 141.2#

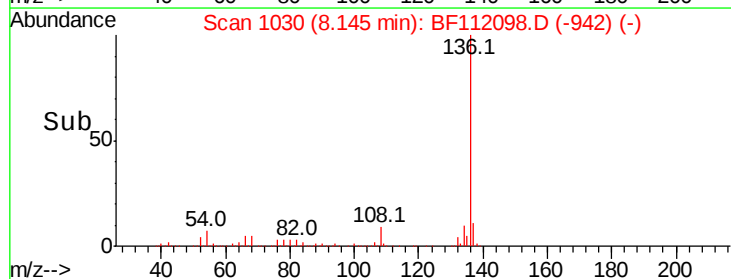
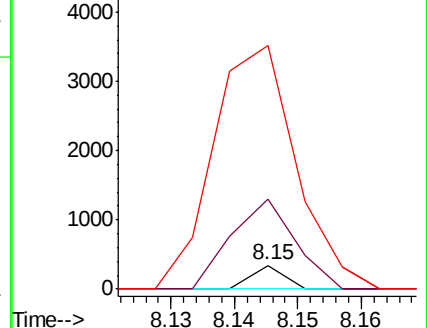
77 1016.2 70.4 110.4#

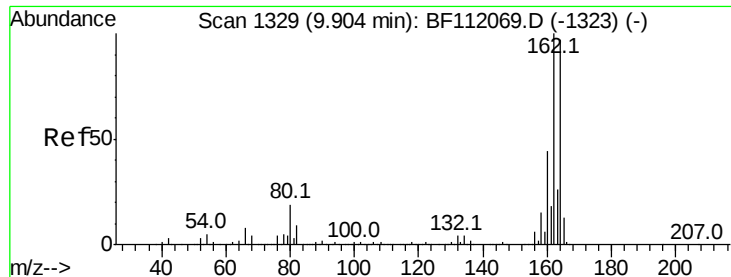


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

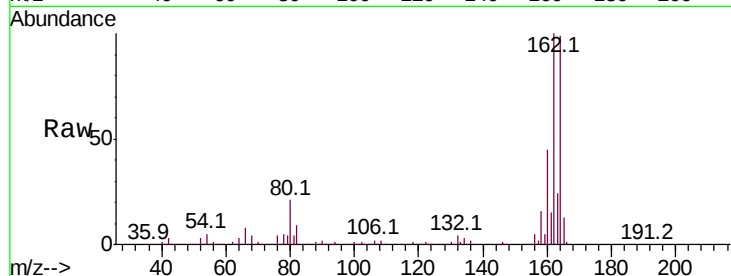




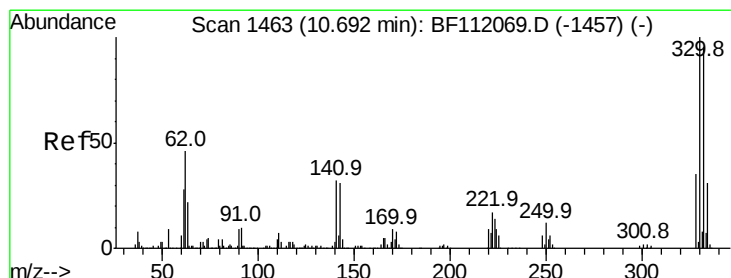
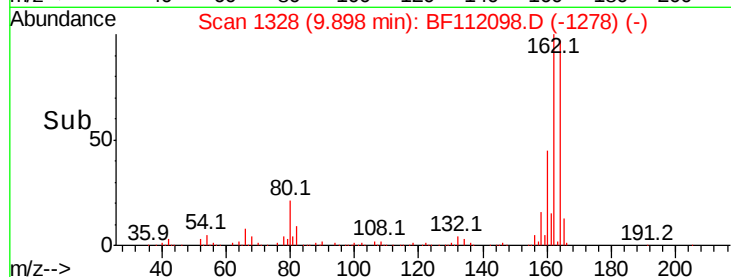
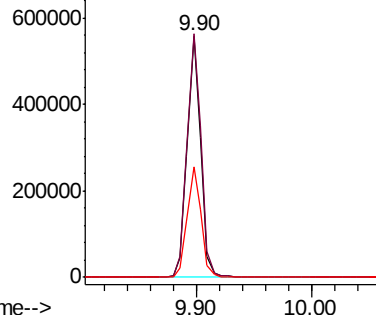
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF112098.D
 Acq: 17 Jan 2019 19:14

Instrument :
 BNA_F
 ClientSampleId :
 011519-BLST-E-D-B

Tot Ion:164 Resp: 452058
 Ion Ratio Lower Upper
 164 100
 162 100.9 82.2 123.4
 160 45.6 36.2 54.4

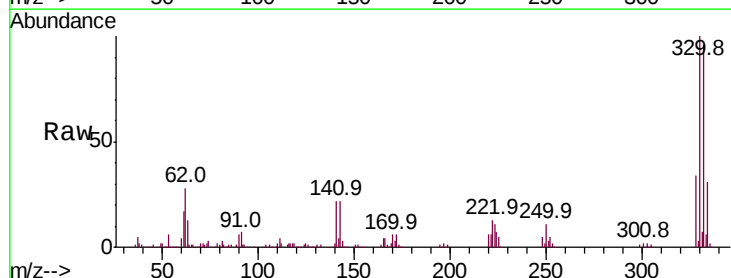


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

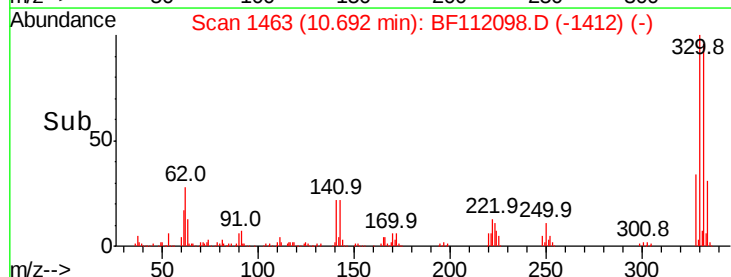
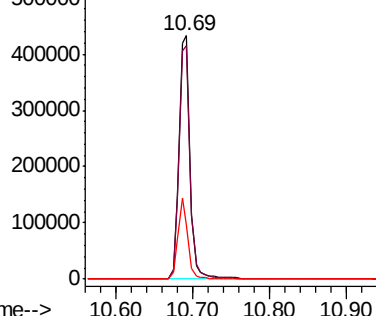


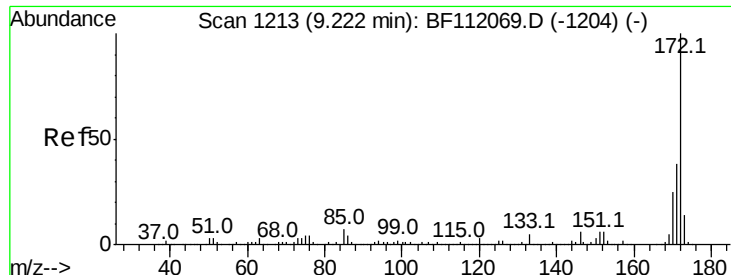
#42
 2,4,6-Tribromophenol
 Concen: 87.875 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: BF112098.D
 Acq: 17 Jan 2019 19:14

Tgt Ion:330 Resp: 428539
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 114.8
 141 30.0 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

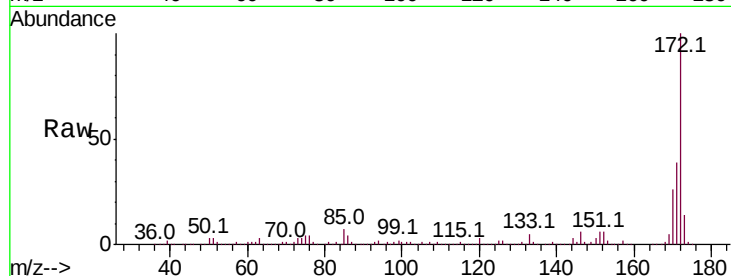




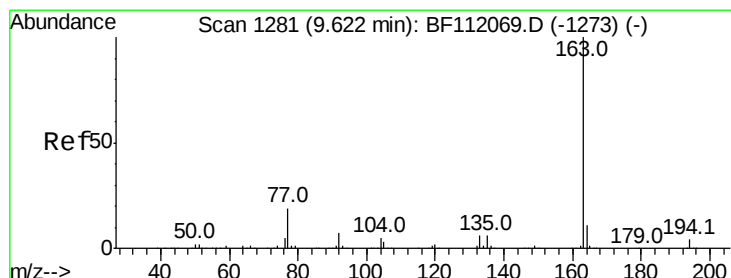
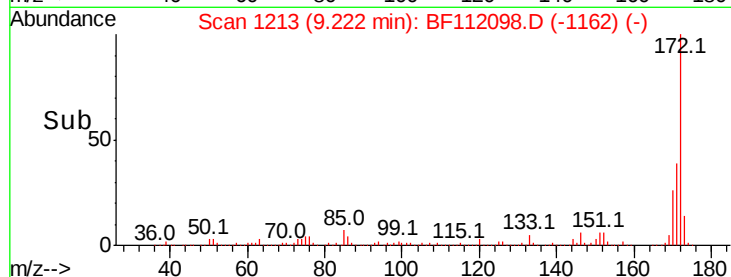
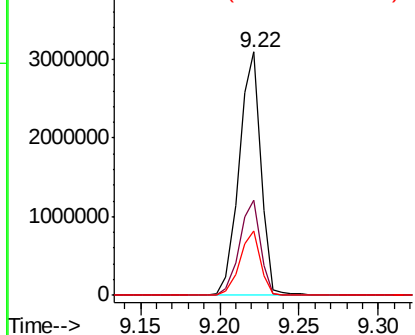
#45
2-Fluorobiphenyl
Concen: 95.384 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BF112098.D
Acq: 17 Jan 2019 19:14

Instrument :
BNA_F
ClientSampleId :
011519-BLST-E-D-B

Tot Ion:172 Resp: 2941050
Ion Ratio Lower Upper
172 100
171 39.1 30.5 45.7
170 26.2 20.2 30.4

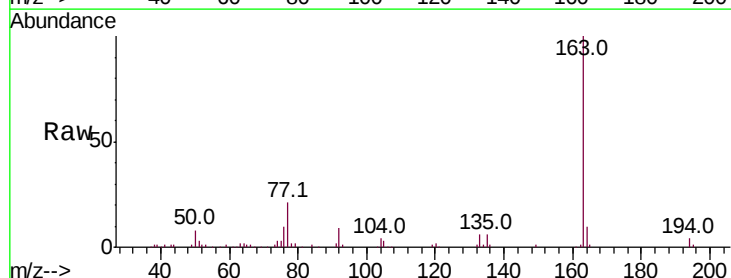


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

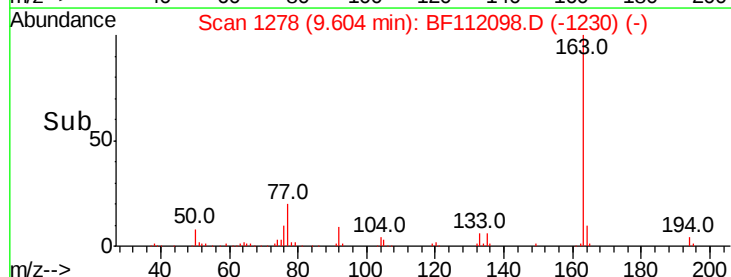
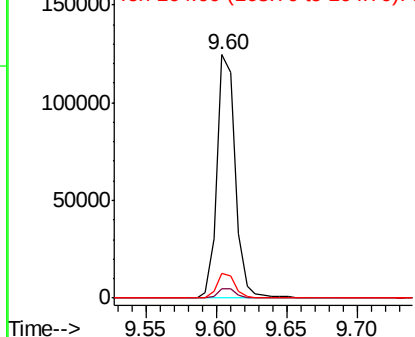


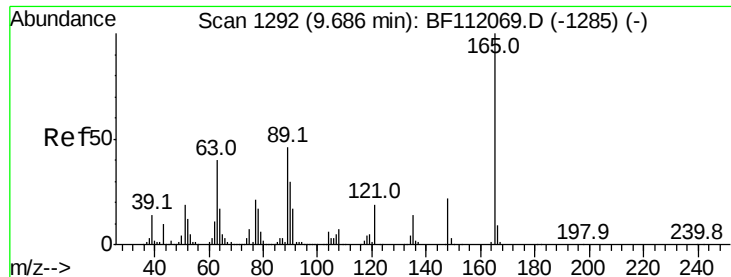
#50
Dimethylphthalate
Concen: 3.432 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF112098.D
Acq: 17 Jan 2019 19:14

Tgt Ion:163 Resp: 113142
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.4 8.5 12.7



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





#51

2,6-Dinitrotoluene

Concen: 8.967 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF112098.D

Acq: 17 Jan 2019 19:14

Instrument :

BNA_F

ClientSampleId :

011519-BLST-E-D-B

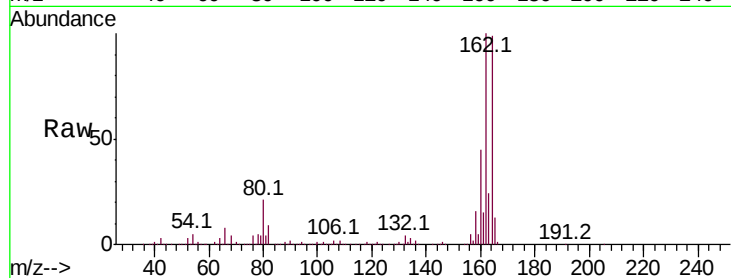
Tot Ion:165 Resp: 59036

Ion Ratio Lower Upper

165 100

63 1.1 33.8 50.8#

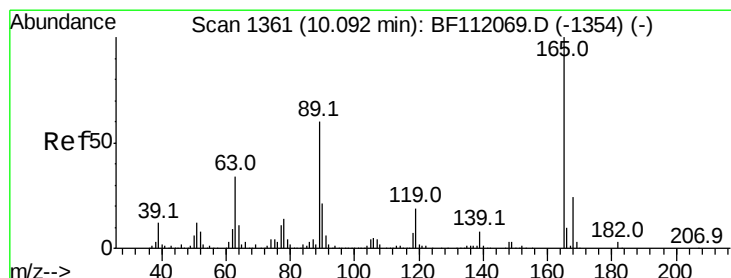
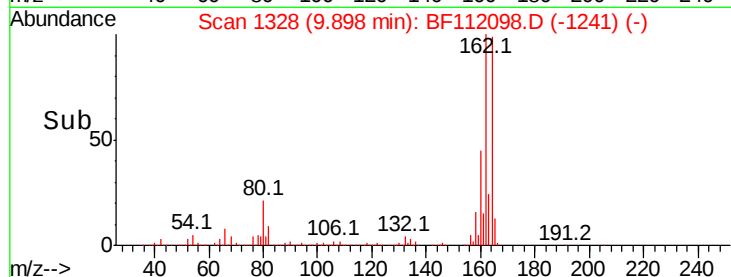
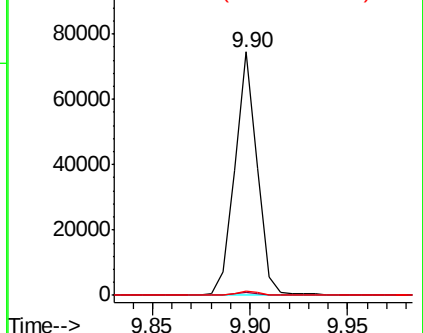
89 1.6 36.9 55.3#



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: 10.900 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.19 min

Lab File: BF112098.D

Acq: 17 Jan 2019 19:14

Tgt Ion:165 Resp: 59036

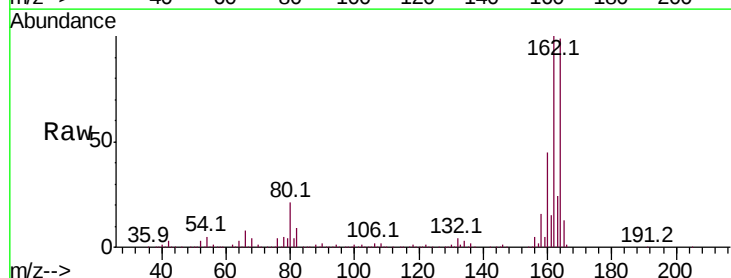
Ion Ratio Lower Upper

165 100

63 1.1 27.9 41.9#

89 1.6 47.9 71.9#

182 0.0 2.2 3.4#

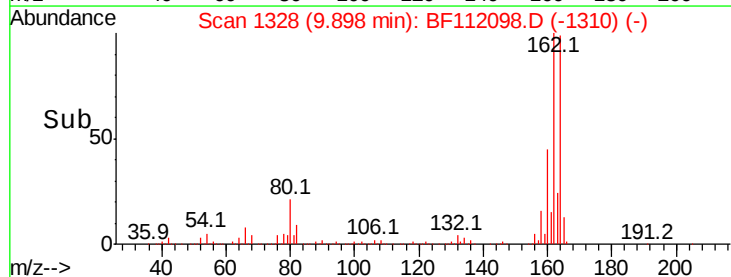
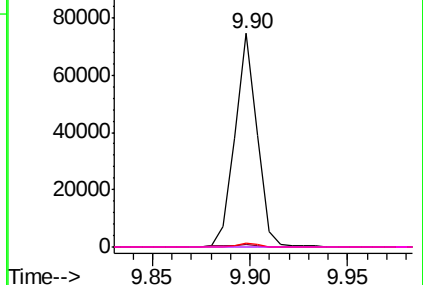


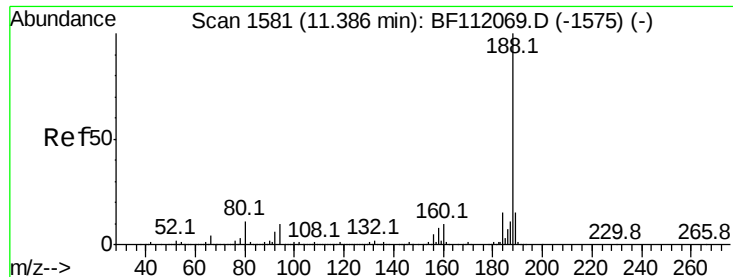
Abundance Ion 165.00 (164.70 to 165.70): E

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

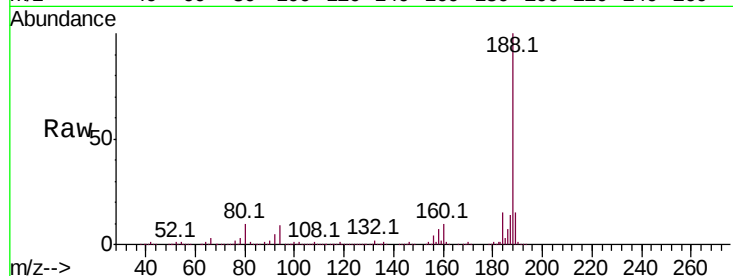




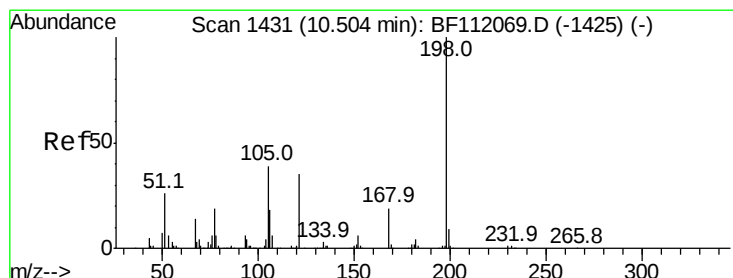
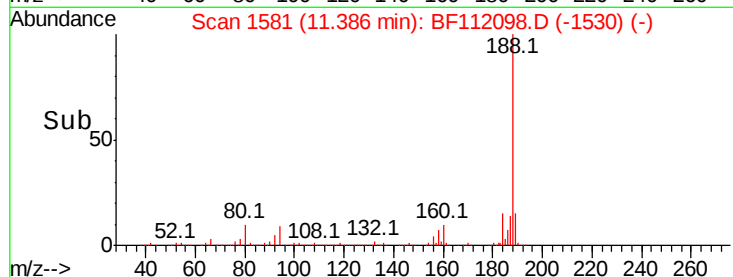
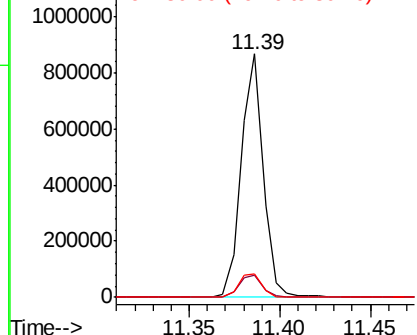
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF112098.D
Acq: 17 Jan 2019 19:14

Instrument :
BNA_F
ClientSampleId :
011519-BLST-E-D-B

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.2	12.2
80	9.7	8.9	13.3

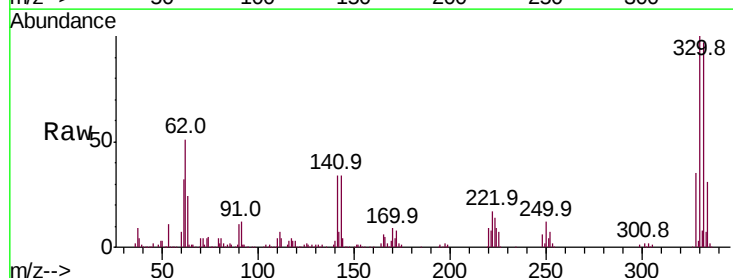


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

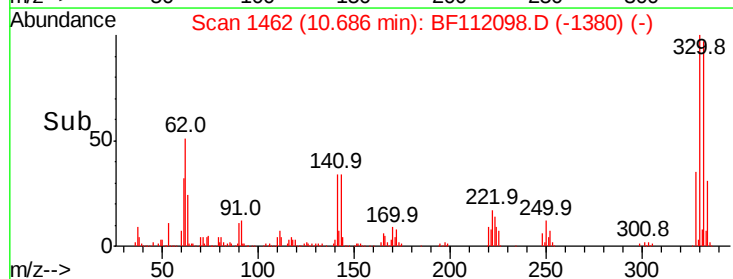
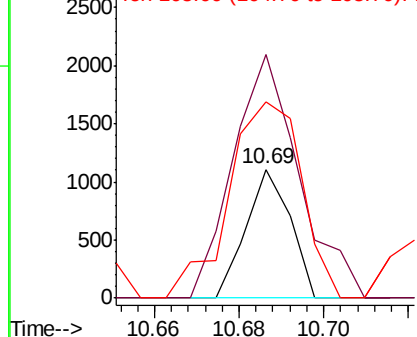


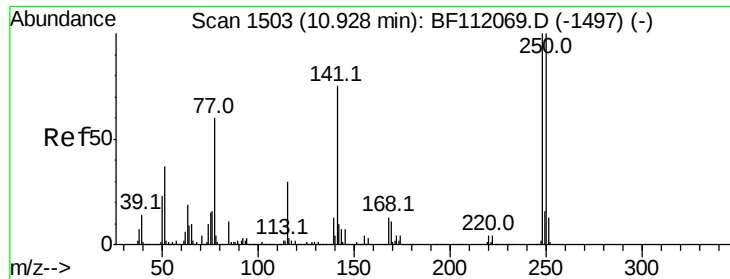
#65
4,6-Dinitro-2-methylphenol
Concen: 10.278 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.18 min
Lab File: BF112098.D
Acq: 17 Jan 2019 19:14

Tgt Ion	Ratio	Lower	Upper
198	100		
51	189.3	17.2	57.2#
105	152.3	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

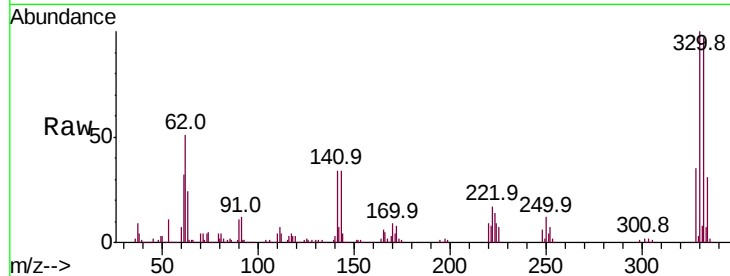




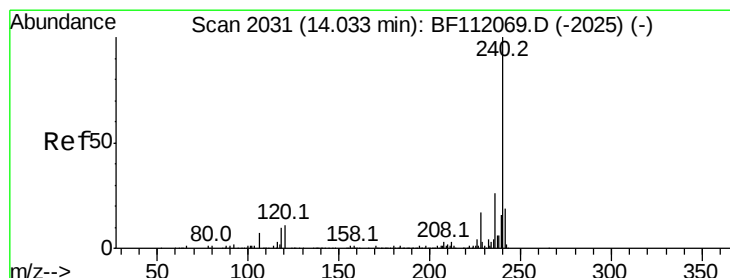
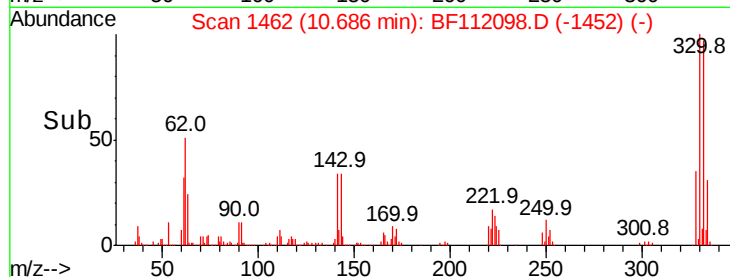
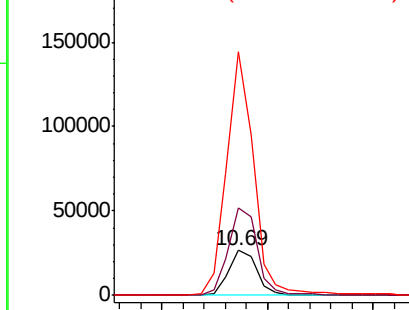
#67
4-Bromophenyl-phenylether
Concen: 2.921 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.24 min
Lab File: BF112098.D
Acq: 17 Jan 2019 19:14

Instrument :
BNA_F
ClientSampleId :
011519-BLST-E-D-B

Tot Ion:248 Resp: 24772
Ion Ratio Lower Upper
248 100
250 195.9 79.7 119.5#
141 544.8 60.3 90.5#

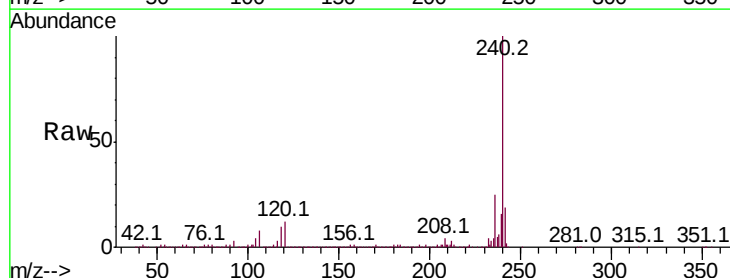


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

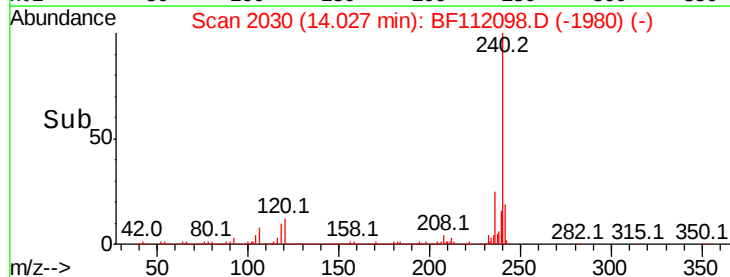
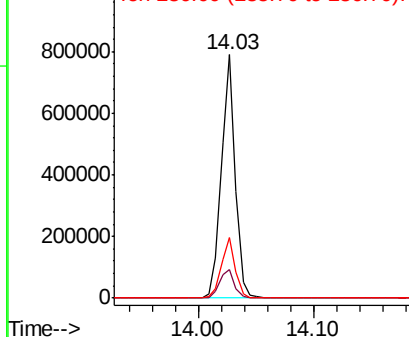


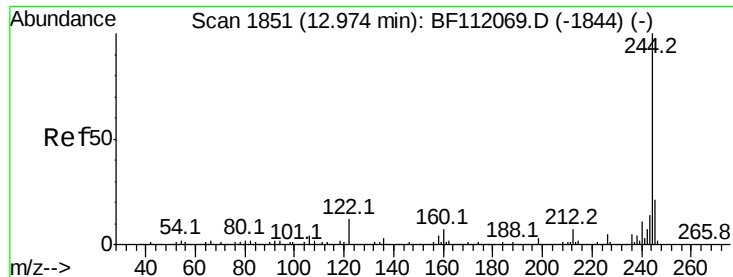
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112098.D
Acq: 17 Jan 2019 19:14

Tgt Ion:240 Resp: 657702
Ion Ratio Lower Upper
240 100
120 11.7 9.0 13.6
236 25.0 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



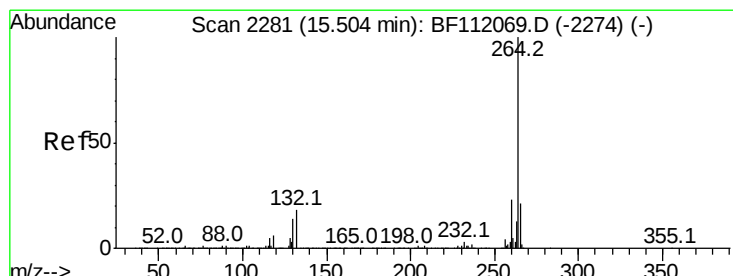
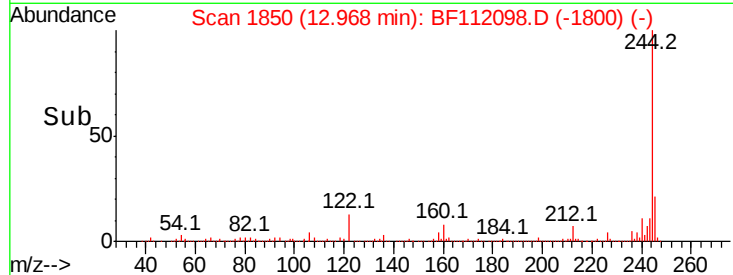
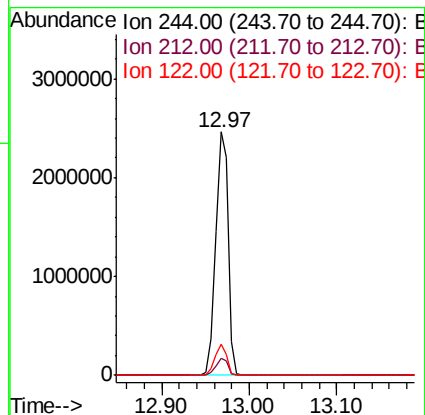
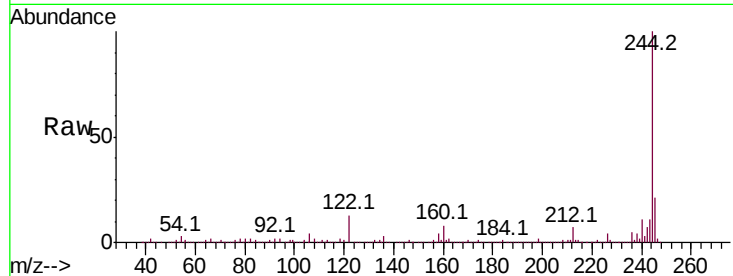


#79
 Terphenyl-d14
 Concen: 79.030 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF112098.D
 Acq: 17 Jan 2019 19:14

Instrument :
 BNA_F
 ClientSampleId :
 011519-BLST-E-D-B

Tot Ion:244 Resp: 2443296

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	13.0	9.8	14.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: BF112098.D
 Acq: 17 Jan 2019 19:14

Tgt Ion:264 Resp: 511530

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.2	27.2
265	21.4	17.0	25.4

