

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012119\
 Data File : BF112181.D
 Acq On : 22 Jan 2019 2:41
 Operator : JU/SJ
 Sample : PB116516BL
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB116516BL

Quant Time: Jan 22 03:09:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

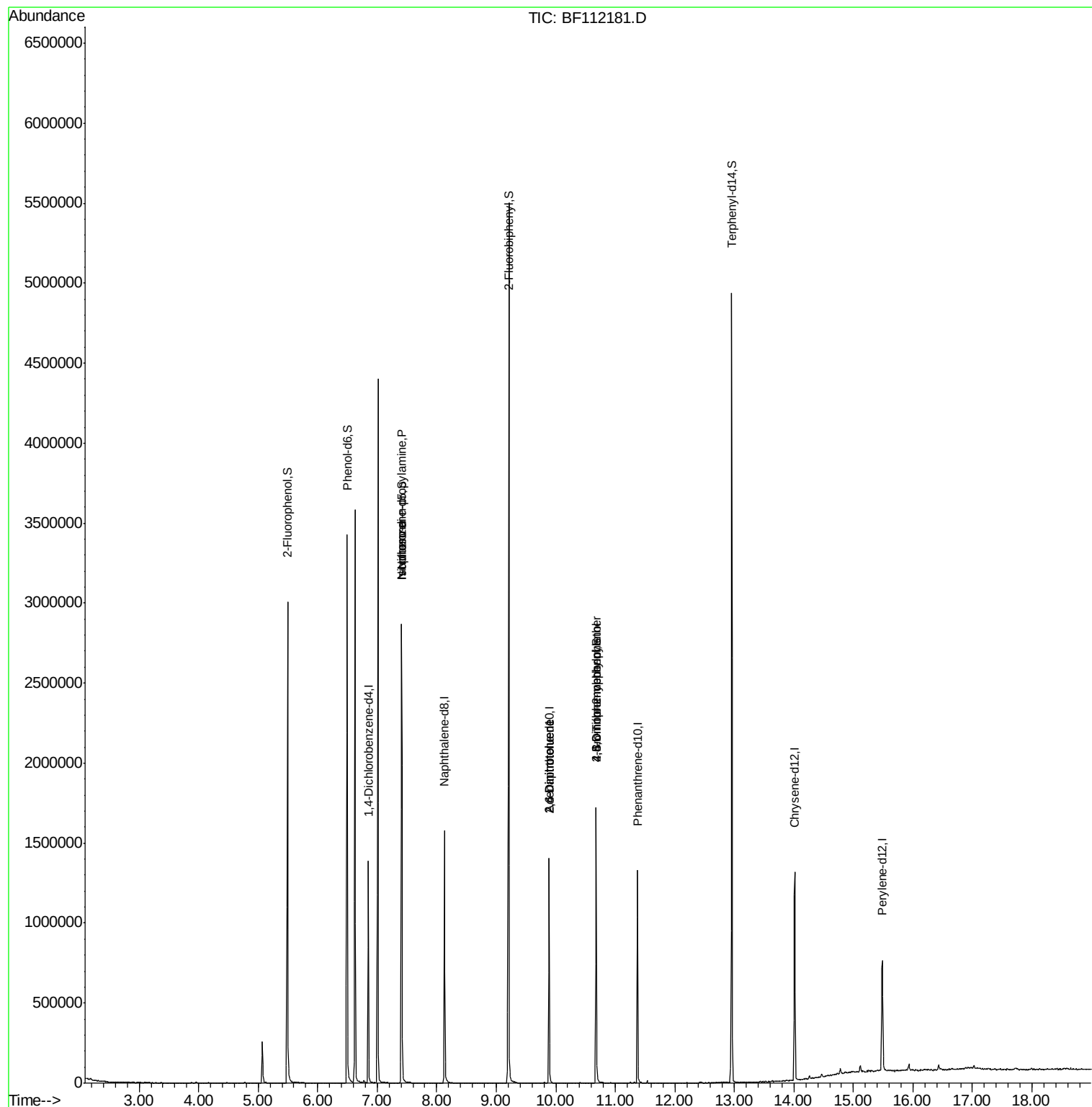
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	205339	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	702004	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	279994	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	489657	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	459993	20.00	ng	-0.01
87) Perylene-d12	15.49	264	324472	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	920657	81.38	ng	0.00
7) Phenol-d6	6.49	99	1085168	76.67	ng	-0.01
23) Nitrobenzene-d5	7.41	82	965322	95.00	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	224744	74.41	ng	-0.02
45) 2-Fluorobiphenyl	9.21	172	1777350	93.07	ng	0.00
79) Terphenyl-d14	12.96	244	1603367	74.15	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	127518	14.788	ng	# 77
25) Isophorone	7.41	82	956111	48.716	ng	# 63
51) 2,6-Dinitrotoluene	9.89	165	34875	8.552	ng	# 34
57) 2,4-Dinitrotoluene	9.89	165	34875	10.608	ng	# 31
65) 4,6-Dinitro-2-methylphenol	10.68	198	265	10.172	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	13053	2.295	ng	# 1

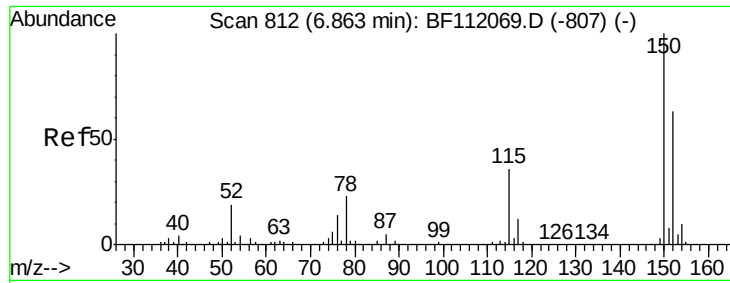
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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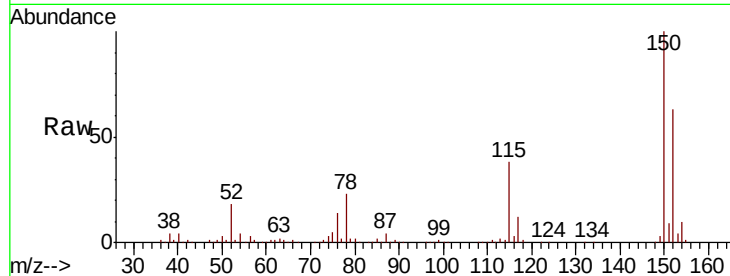




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF112181.D
 Acq: 22 Jan 2019 2:41

Instrument :
 BNA_F
 ClientSampleId :
 PB116516BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.8	127.4	191.0
115	59.6	45.5	68.3

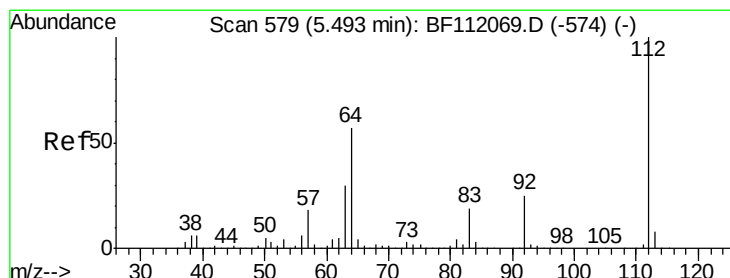
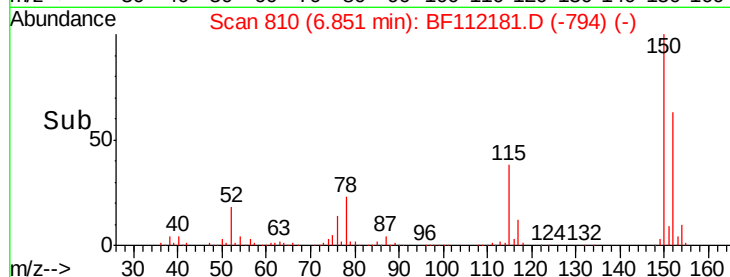
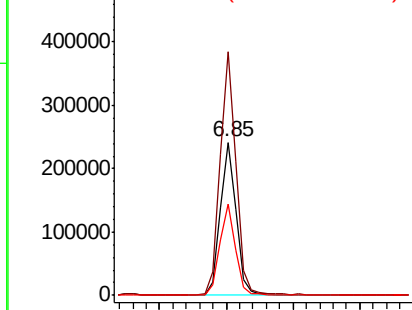


Abundance

Ion 152.00 (151.70 to 152.70): E

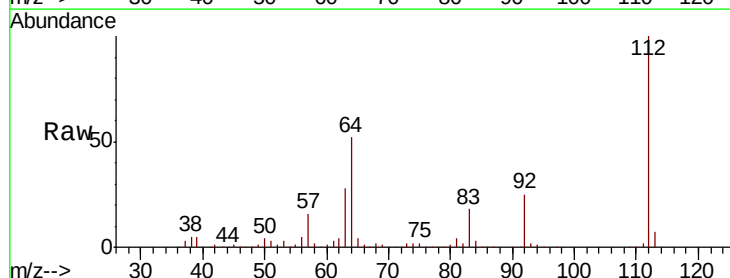
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 81.379 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF112181.D
 Acq: 22 Jan 2019 2:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	45.7	68.5
63	27.7	23.6	35.4

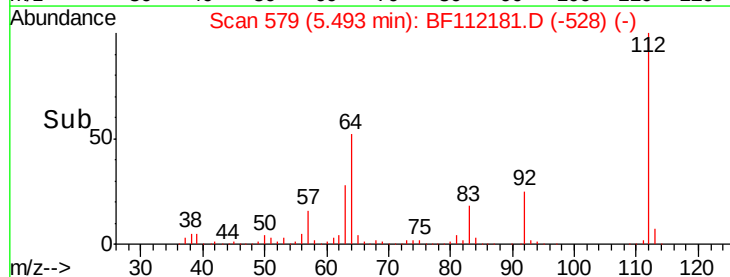
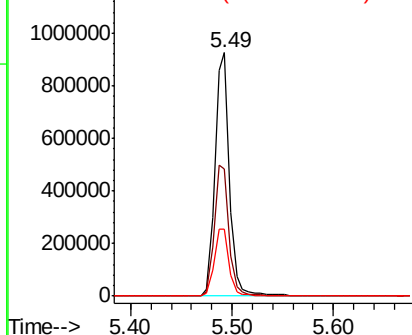


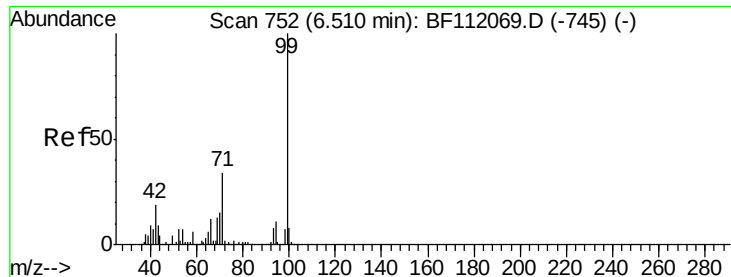
Abundance

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: 76.666 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112181.D

Acq: 22 Jan 2019 2:41

Instrument :

BNA_F

ClientSampleId :

PB116516BL

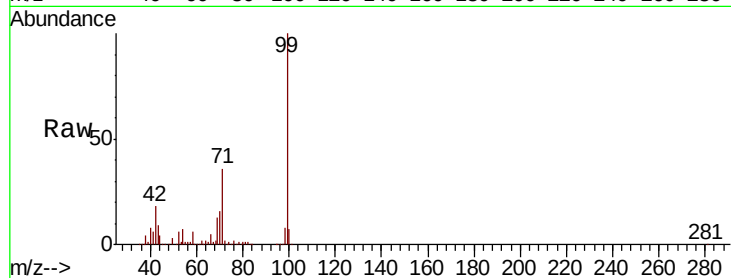
Tgt Ion: 99 Resp: 1085168

Ion Ratio Lower Upper

99 100

42 18.4 15.1 22.7

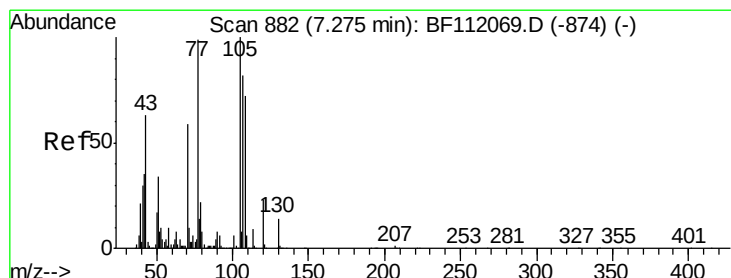
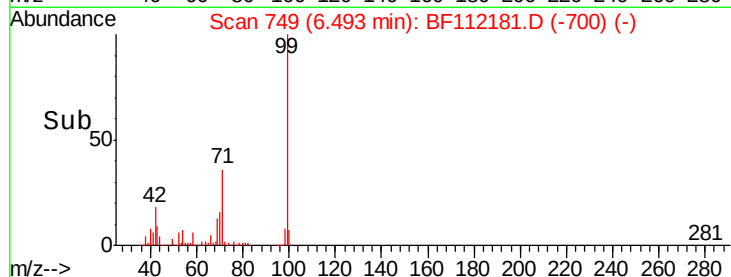
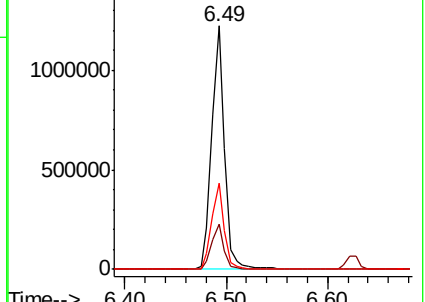
71 35.6 26.9 40.3



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: 14.788 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF112181.D

Acq: 22 Jan 2019 2:41

Tgt Ion: 70 Resp: 127518

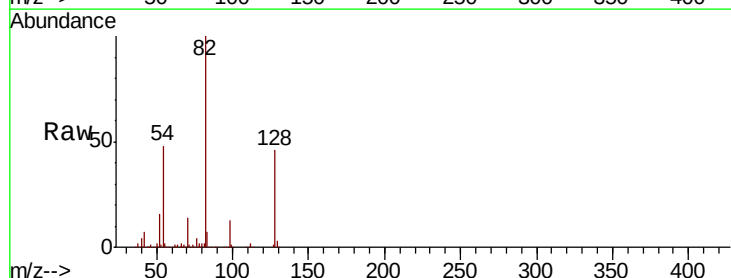
Ion Ratio Lower Upper

70 100

42 47.9 47.6 71.4

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#

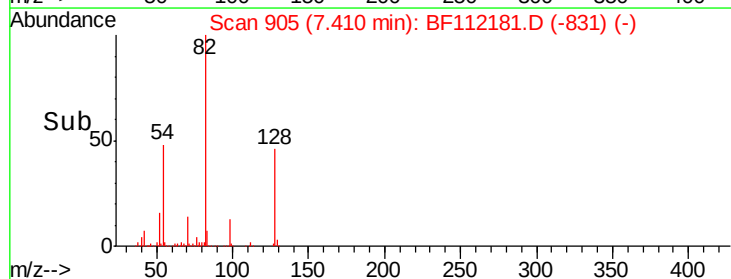
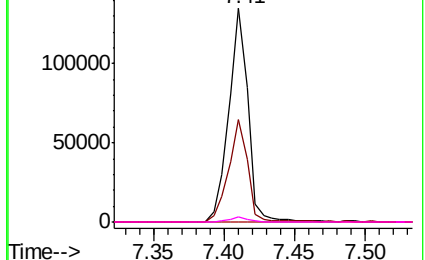


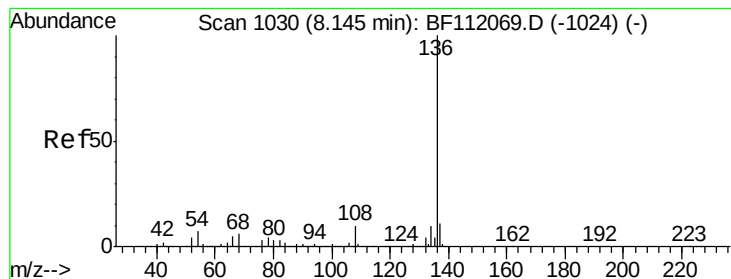
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112181.D

Acq: 22 Jan 2019 2:41

Instrument :

BNA_F

ClientSampleId :

PB116516BL

Tgt Ion: 136 Resp: 702004

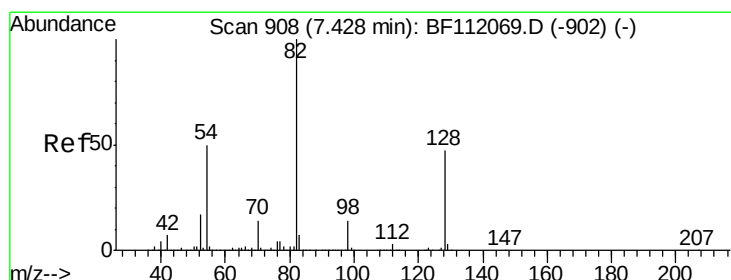
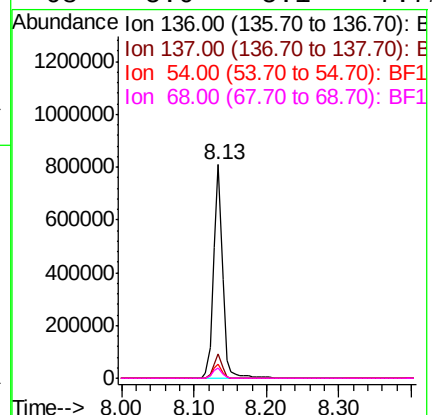
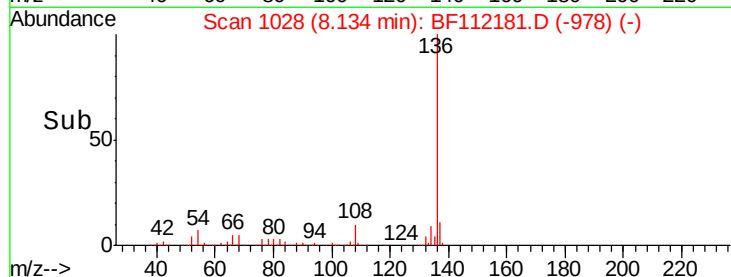
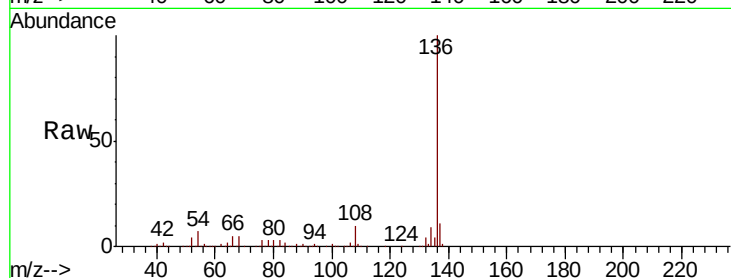
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.7 5.9 8.9

68 5.0 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 95.004 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF112181.D

Acq: 22 Jan 2019 2:41

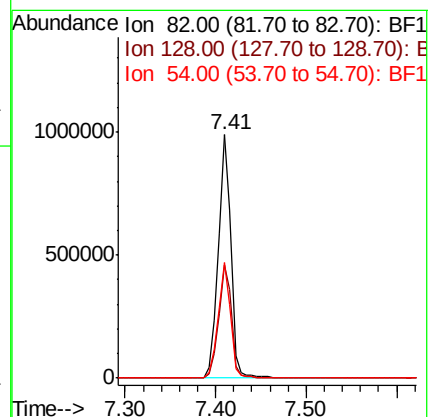
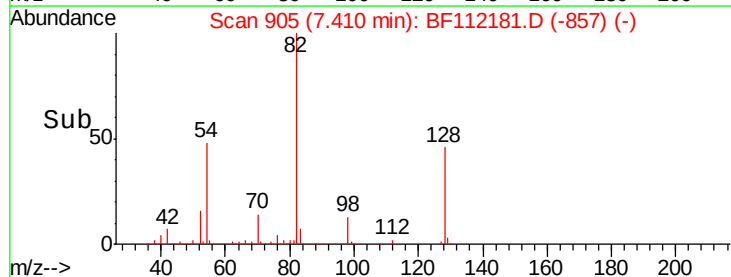
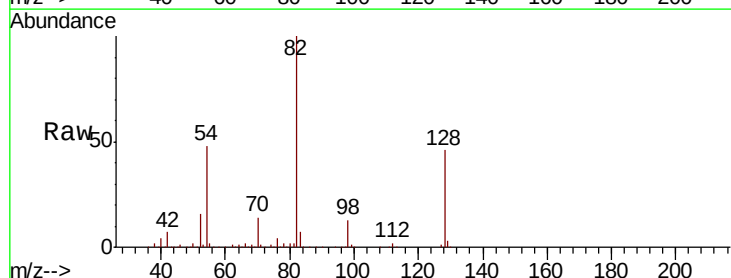
Tgt Ion: 82 Resp: 965322

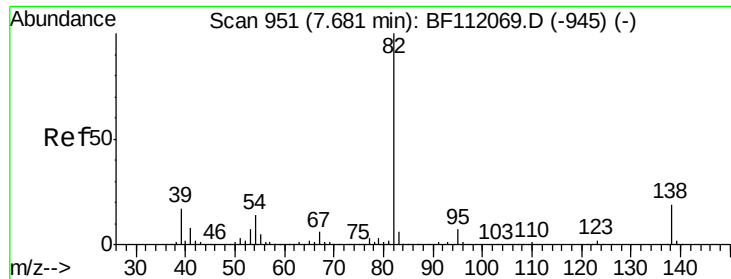
Ion Ratio Lower Upper

82 100

128 46.3 37.8 56.8

54 47.7 39.7 59.5





#25

Isophorone

Concen: 48.716 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF112181.D

Acq: 22 Jan 2019 2:41

Instrument :

BNA_F

ClientSampleId :

PB116516BL

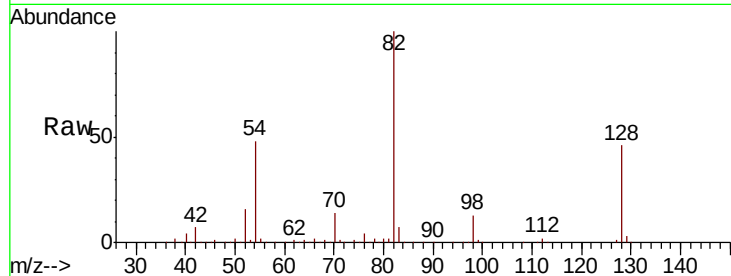
Tgt Ion: 82 Resp: 956111

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

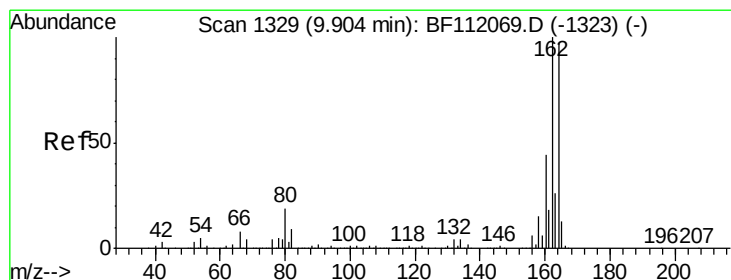
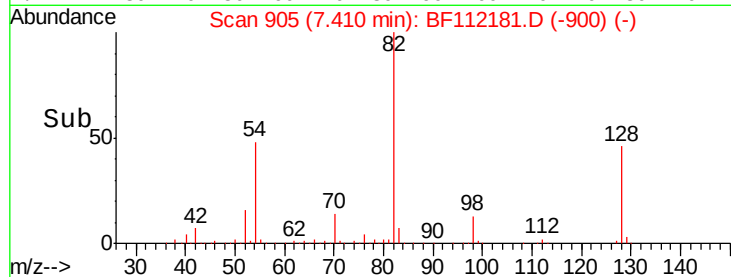
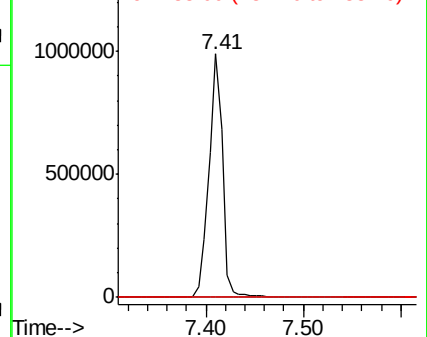
138 0.0 15.4 23.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF112181.D

Acq: 22 Jan 2019 2:41

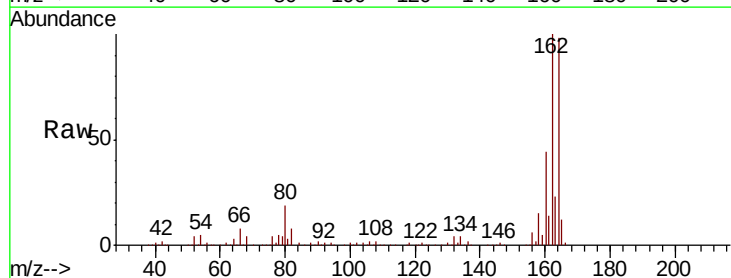
Tgt Ion: 164 Resp: 279994

Ion Ratio Lower Upper

164 100

162 101.6 82.2 123.4

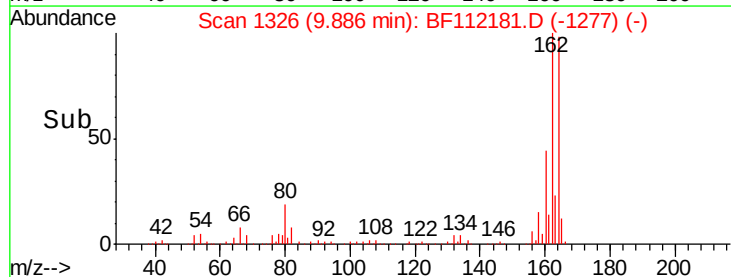
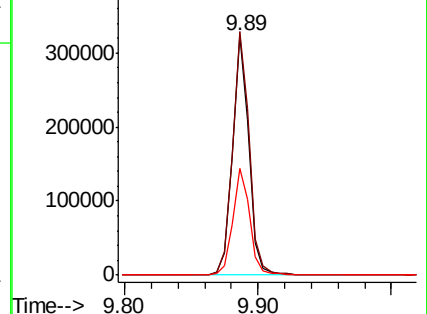
160 44.7 36.2 54.4

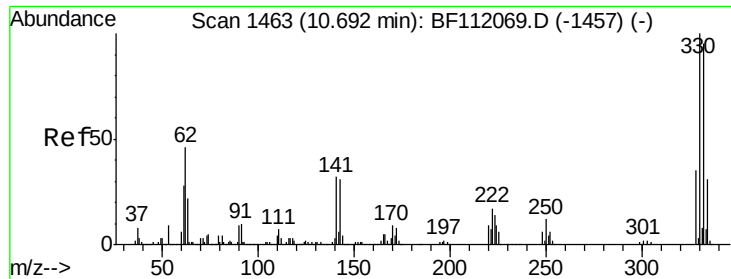


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

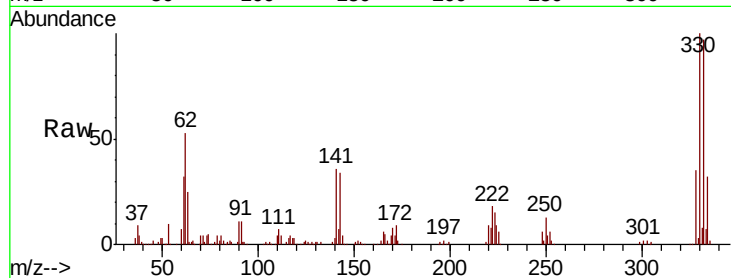




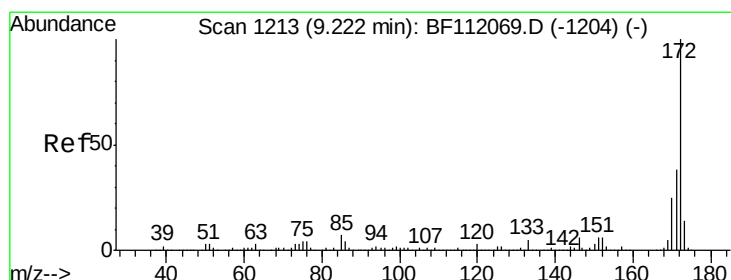
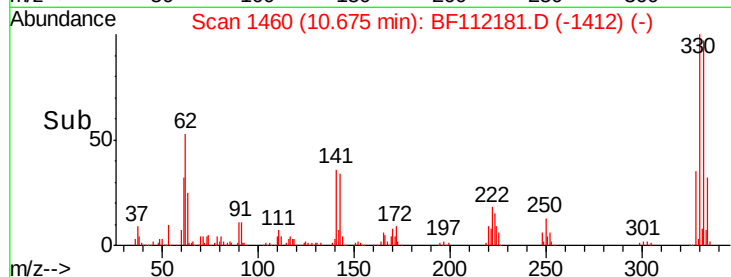
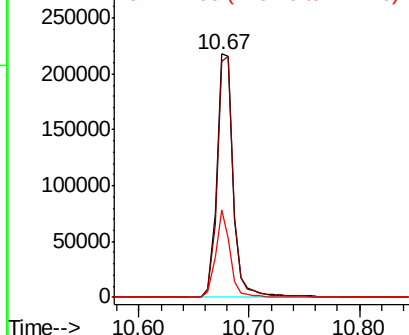
#42
 2,4,6-Tribromophenol
 Concen: 74.406 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.02 min
 Lab File: BF112181.D
 Acq: 22 Jan 2019 2:41

Instrument :
 BNA_F
 ClientSampleId :
 PB116516BL

Tgt Ion:330 Resp: 224744
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.6 114.8
 141 31.4 24.3 36.5

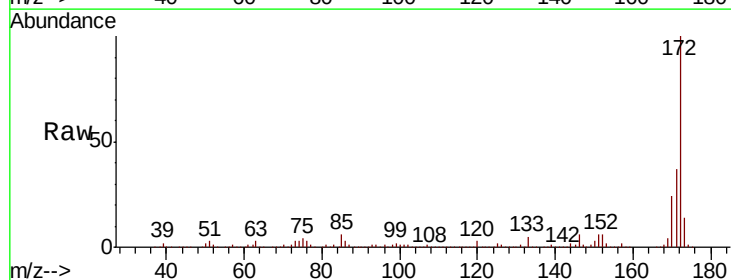


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

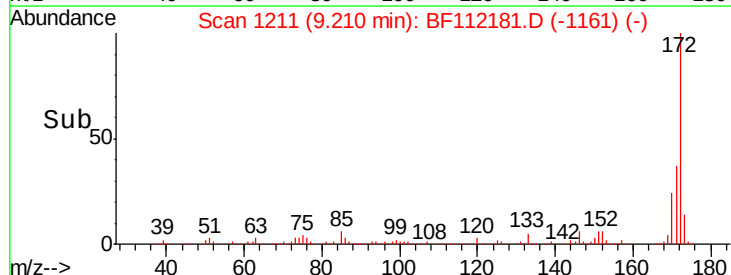
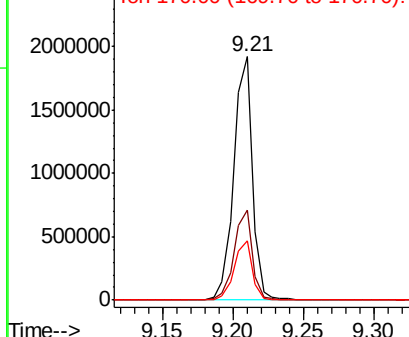


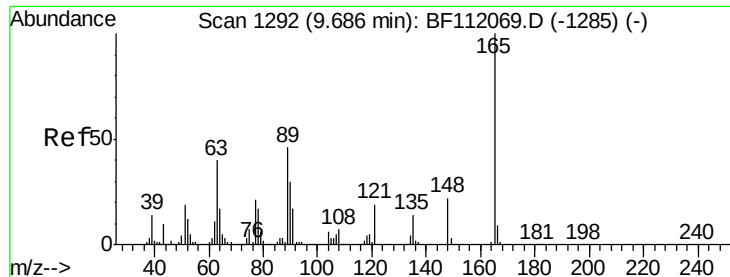
#45
 2-Fluorobiphenyl
 Concen: 93.066 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112181.D
 Acq: 22 Jan 2019 2:41

Tgt Ion:172 Resp: 1777350
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.5 45.7
 170 24.4 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

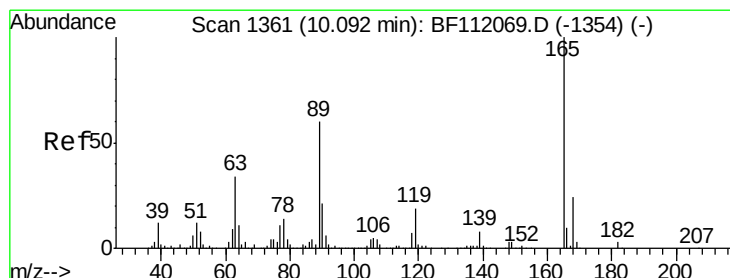
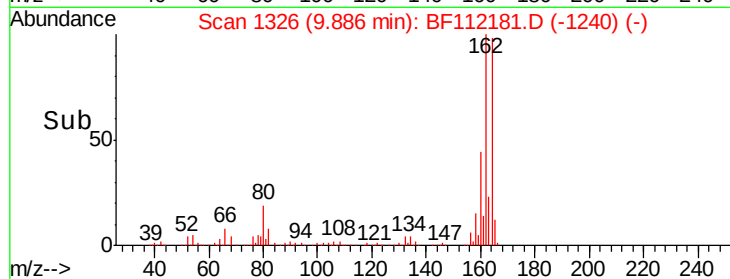
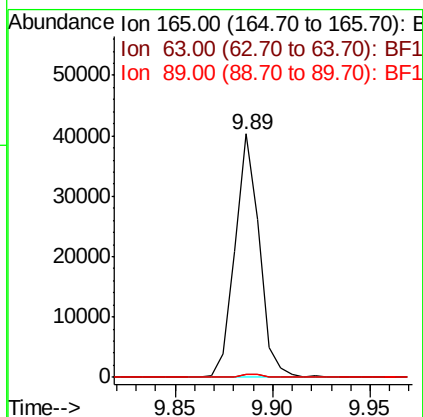
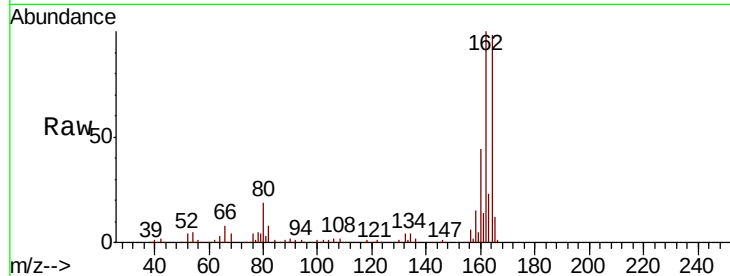




#51
 2,6-Dinitrotoluene
 Concen: 8.552 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF112181.D
 Acq: 22 Jan 2019 2:41

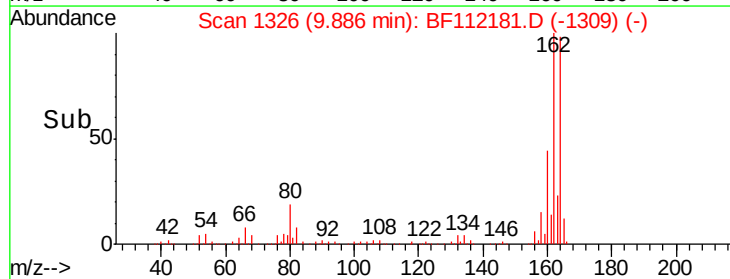
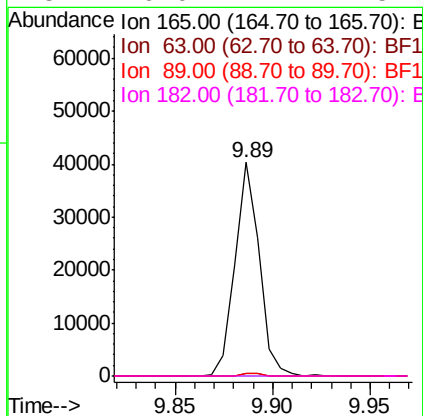
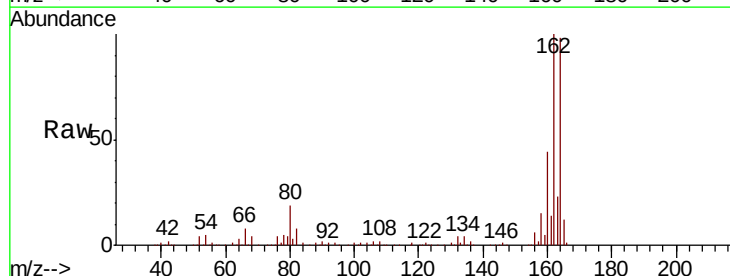
Instrument :
 BNA_F
 ClientSampleId :
 PB116516BL

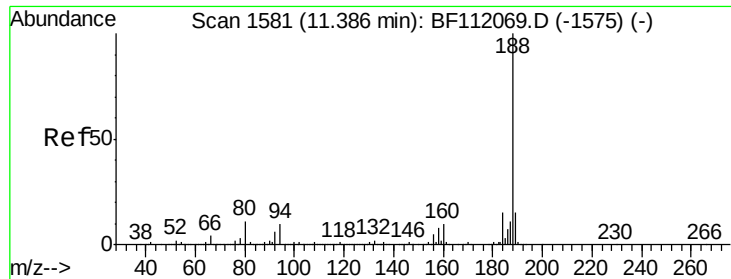
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.8	50.8#
89	1.4	36.9	55.3#



#57
 2,4-Dinitrotoluene
 Concen: 10.608 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF112181.D
 Acq: 22 Jan 2019 2:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.9	41.9#
89	1.4	47.9	71.9#
182	0.0	2.2	3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF112181.D

Acq: 22 Jan 2019 2:41

Instrument :

BNA_F

ClientSampleId :

PB116516BL

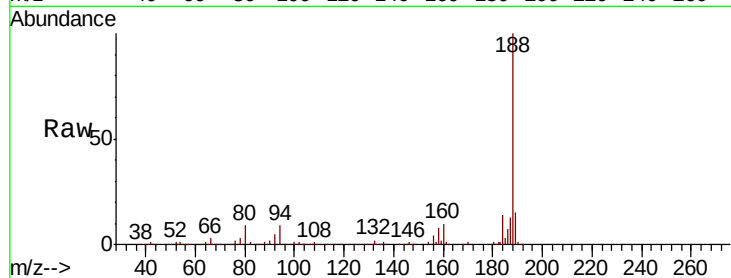
Tgt Ion:188 Resp: 489657

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.2

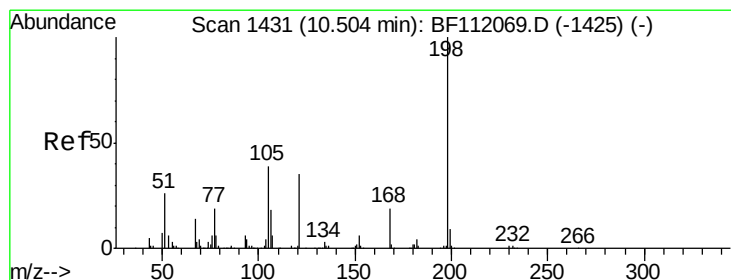
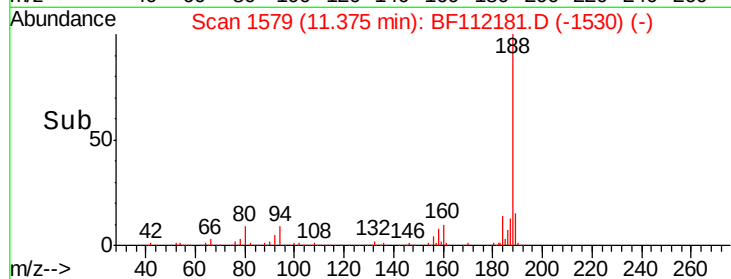
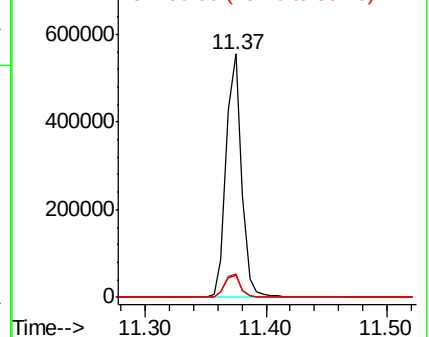
80 9.5 8.9 13.3



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: 10.172 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.18 min

Lab File: BF112181.D

Acq: 22 Jan 2019 2:41

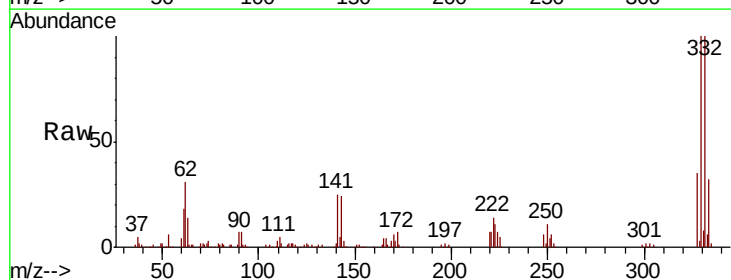
Tgt Ion:198 Resp: 265

Ion Ratio Lower Upper

198 100

51 220.3 17.2 57.2#

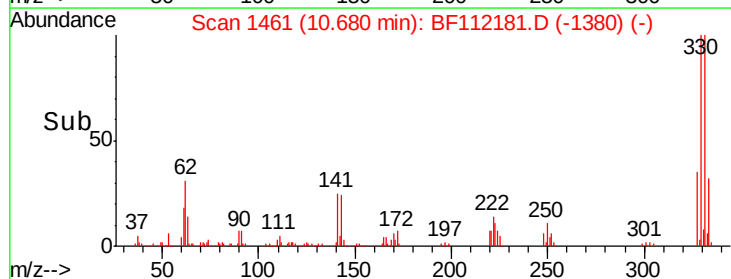
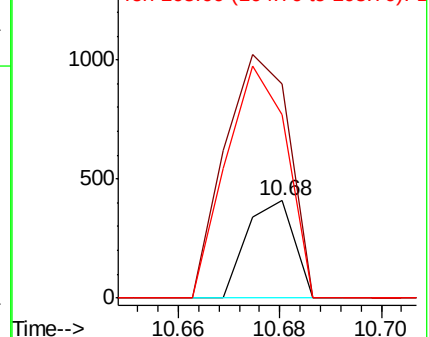
105 188.0 21.9 61.9#

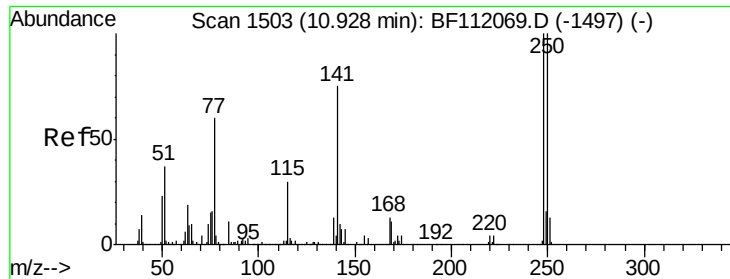


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

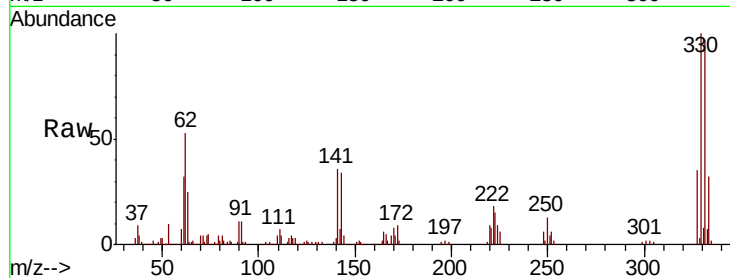




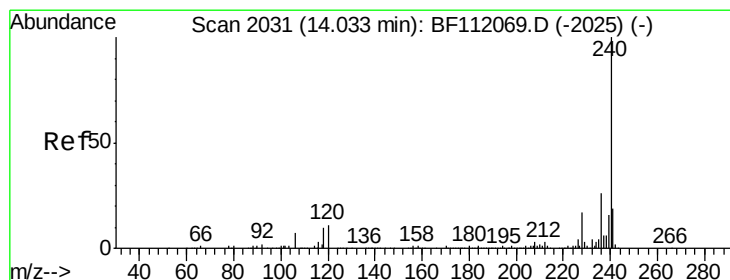
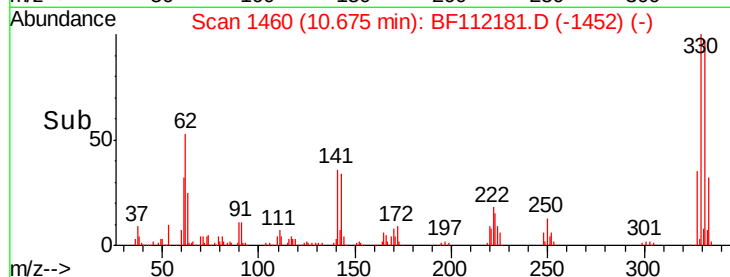
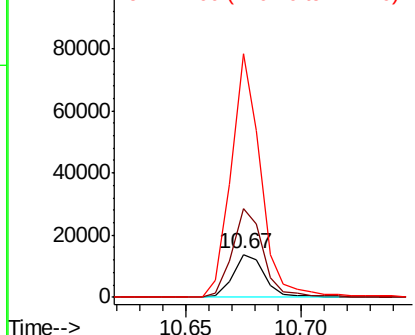
#67
 4-Bromophenyl-phenylether
 Concen: 2.295 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.25 min
 Lab File: BF112181.D
 Acq: 22 Jan 2019 2:41

Instrument :
 BNA_F
 ClientSampled :
 PB116516BL

Tgt Ion: 248 Resp: 13053
 Ion Ratio Lower Upper
 248 100
 250 206.8 79.7 119.5#
 141 567.1 60.3 90.5#

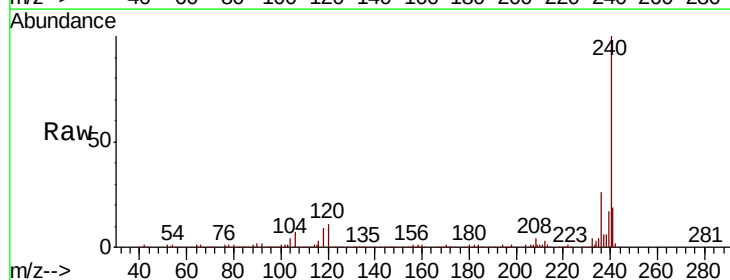


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

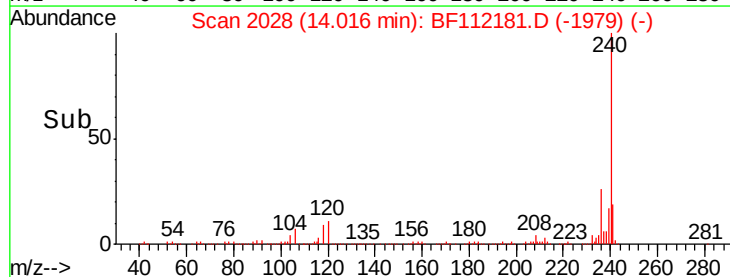
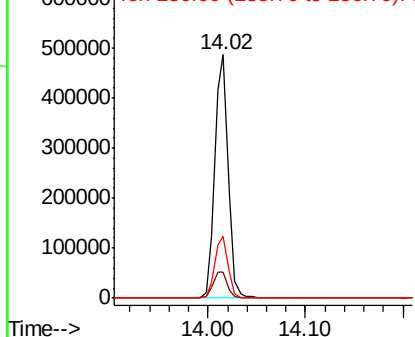


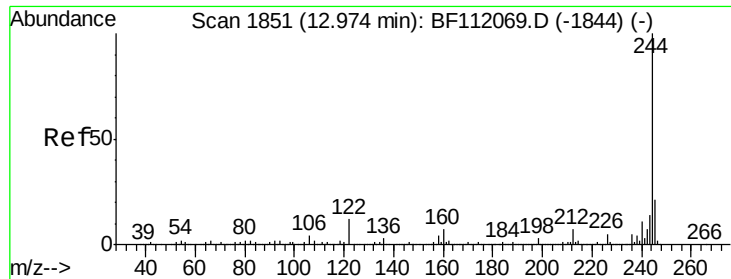
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF112181.D
 Acq: 22 Jan 2019 2:41

Tgt Ion: 240 Resp: 459993
 Ion Ratio Lower Upper
 240 100
 120 10.5 9.0 13.6
 236 25.6 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





#79

Terphenyl-d14

Concen: 74.153 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF112181.D

Acq: 22 Jan 2019 2:41

Instrument :

BNA_F

ClientSampleId :

PB116516BL

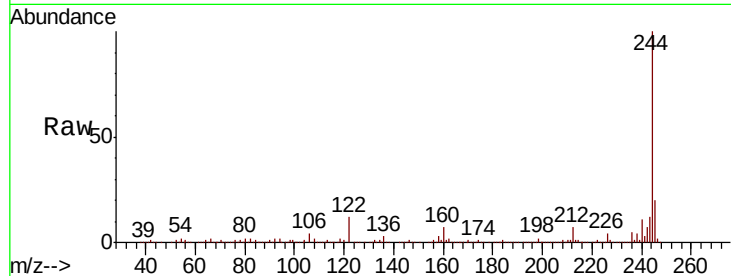
Tgt Ion:244 Resp: 1603367

Ion Ratio Lower Upper

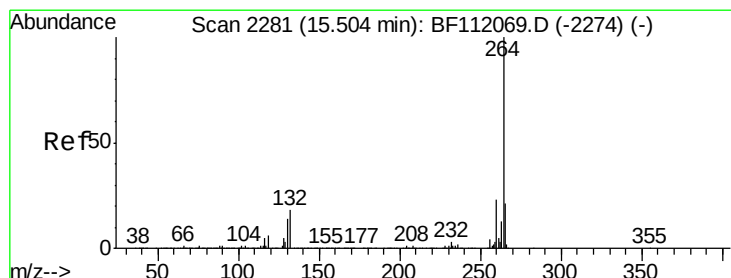
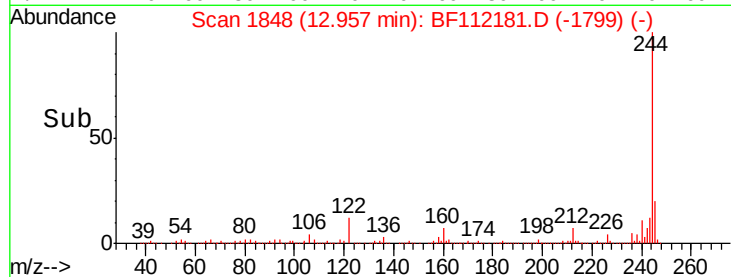
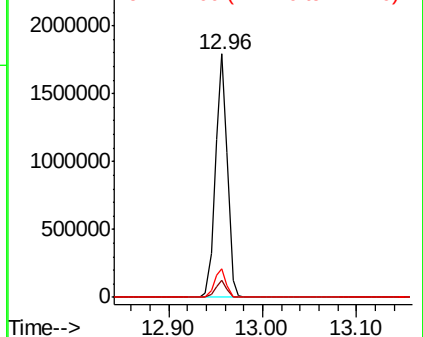
244 100

212 6.8 5.9 8.9

122 11.7 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

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BF112181.D

Acq: 22 Jan 2019 2:41

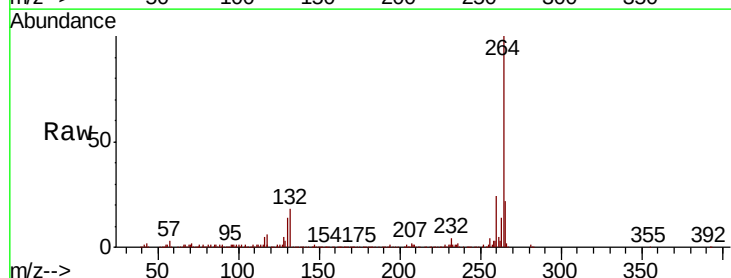
Tgt Ion:264 Resp: 324472

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.2

265 22.2 17.0 25.4



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

