

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031219\
 Data File : BF113000.D
 Acq On : 12 Mar 2019 13:58
 Operator : JU/SJ
 Sample : K1785-04RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SD2-0.0-0.5

Quant Time: Mar 13 03:56:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

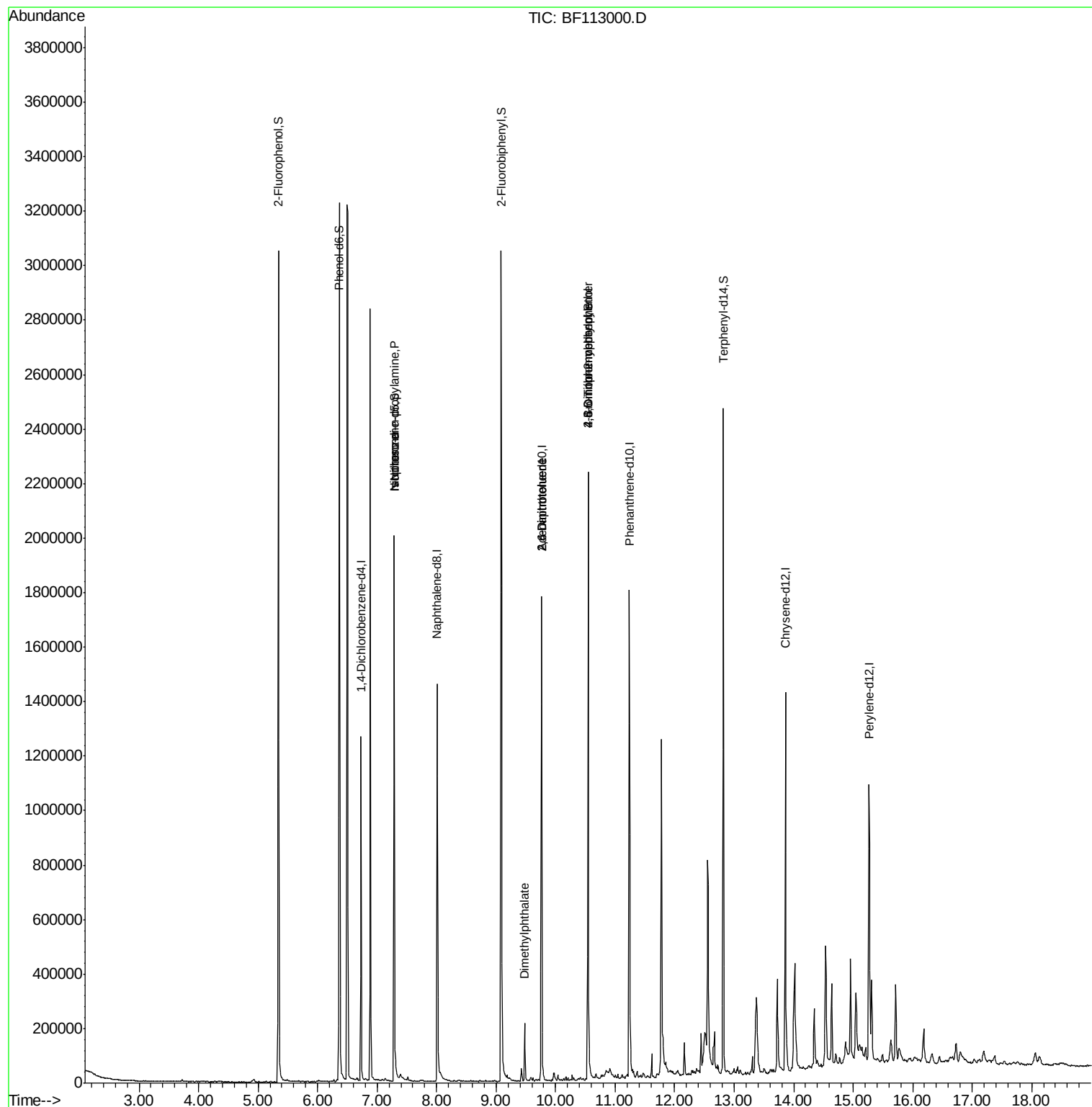
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	195186	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	755599	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	365152	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	708569	20.00	ng	0.00
76) Chrysene-d12	13.86	240	503255	20.00	ng	0.00
87) Perylene-d12	15.27	264	493924	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	887236	70.71	ng	0.00
7) Phenol-d6	6.37	99	1162004	73.72	ng	0.00
23) Nitrobenzene-d5	7.29	82	723722	57.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	305249	78.74	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1044064	41.25	ng	0.00
79) Terphenyl-d14	12.82	244	872515	33.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	95016	9.518	ng	# 75
25) Isophorone	7.29	82	721218	26.512	ng	# 66
50) Dimethylphthalate	9.48	163	90540	3.363	ng	# 99
51) 2,6-Dinitrotoluene	9.76	165	45885	8.184	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	45886	6.584	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	333	4.716	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	17585	2.356	ng	# 1

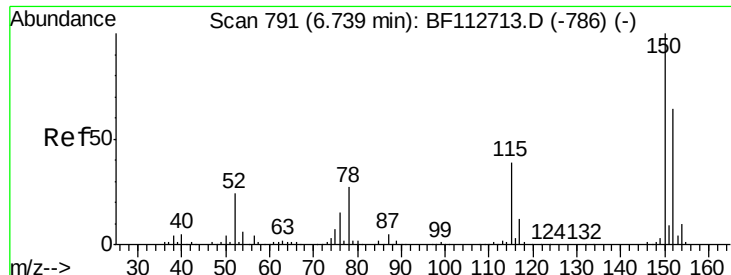
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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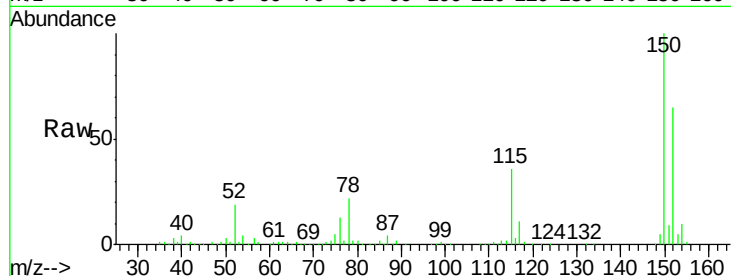


#1

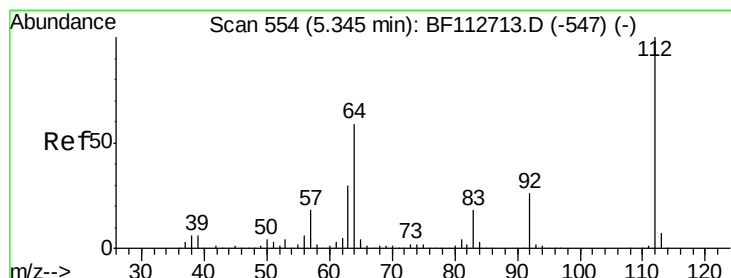
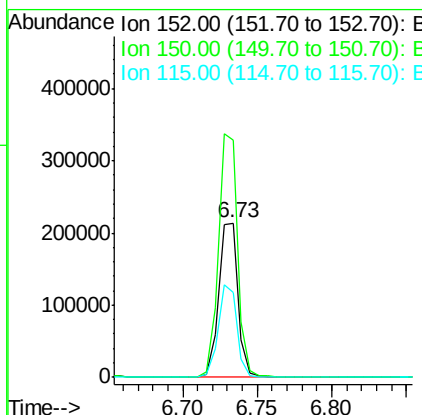
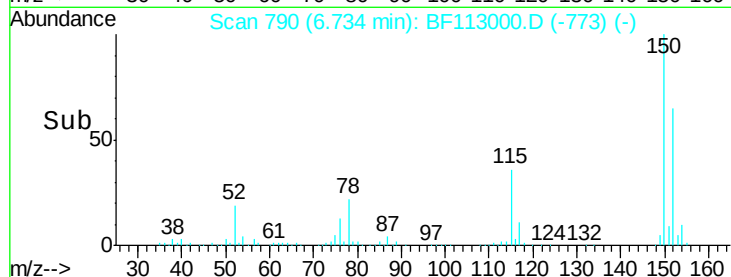
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF113000.D
Acq: 12 Mar 2019 13:58

Instrument :
BNA_F
ClientSampleId :
SD2-0.0-0.5

Tgt Ion:152 Resp: 195186
Ion Ratio Lower Upper
152 100
150 153.7 124.2 186.2
115 55.0 48.2 72.4



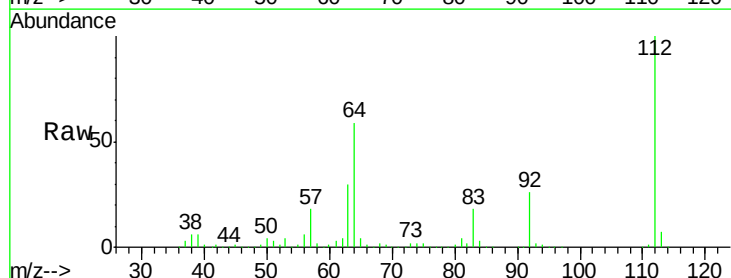
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



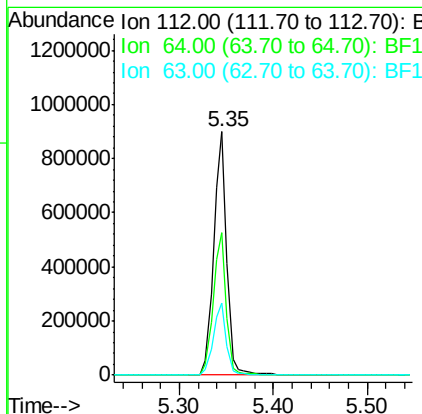
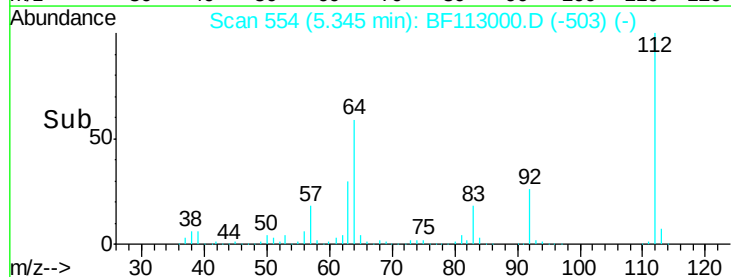
#5

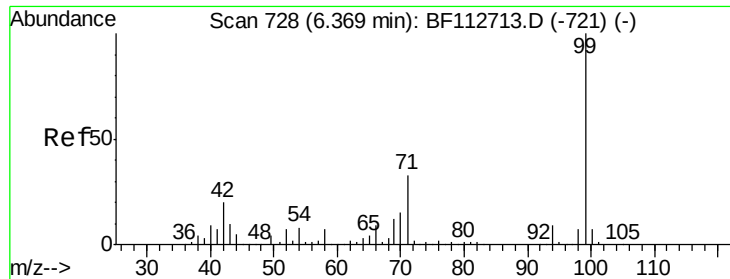
2-Fluorophenol
Concen: 70.709 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113000.D
Acq: 12 Mar 2019 13:58

Tgt Ion:112 Resp: 887236
Ion Ratio Lower Upper
112 100
64 58.7 47.6 71.4
63 29.9 24.4 36.6



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: 73.722 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113000.D

Acq: 12 Mar 2019 13:58

Instrument :

BNA_F

ClientSampleId :

SD2-0.0-0.5

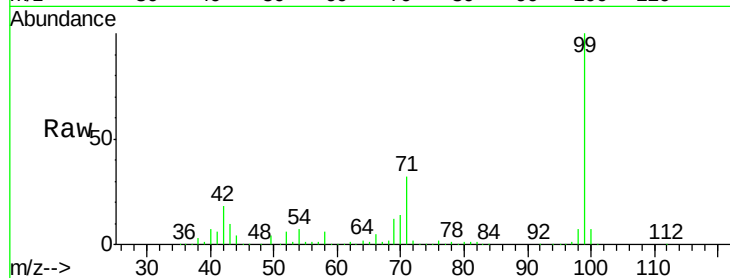
Tgt Ion: 99 Resp: 1162004

Ion Ratio Lower Upper

99 100

42 18.4 16.3 24.5

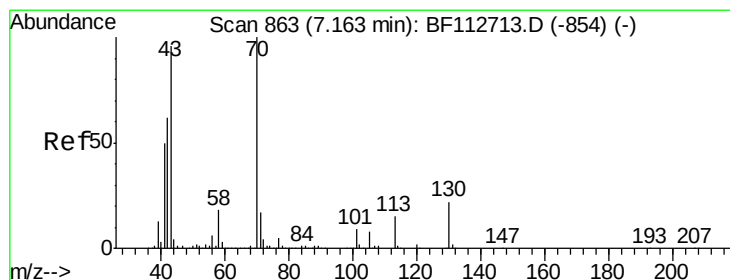
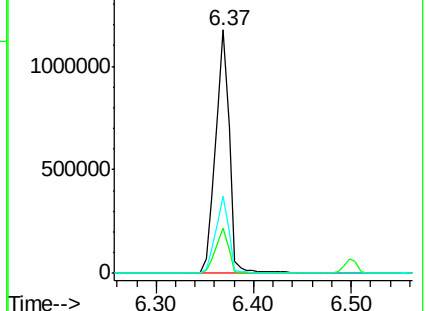
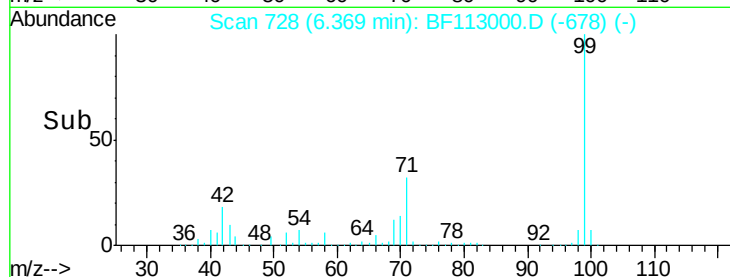
71 31.7 26.2 39.4



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: 9.518 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF113000.D

Acq: 12 Mar 2019 13:58

Tgt Ion: 70 Resp: 95016

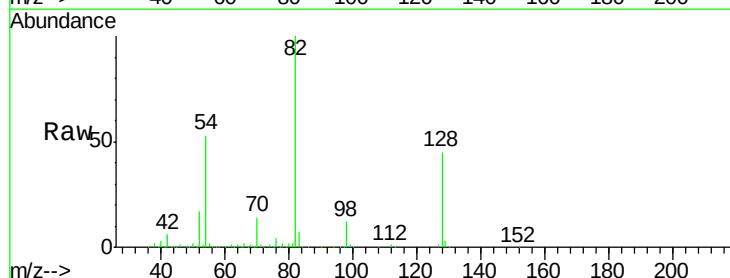
Ion Ratio Lower Upper

70 100

42 47.2 49.9 74.9#

101 0.0 7.4 11.2#

130 2.4 17.4 26.2#

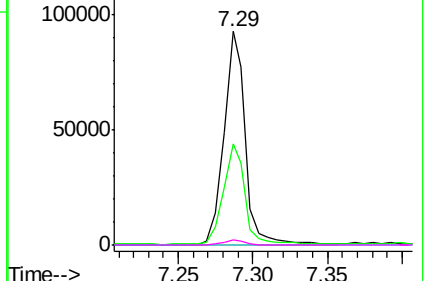
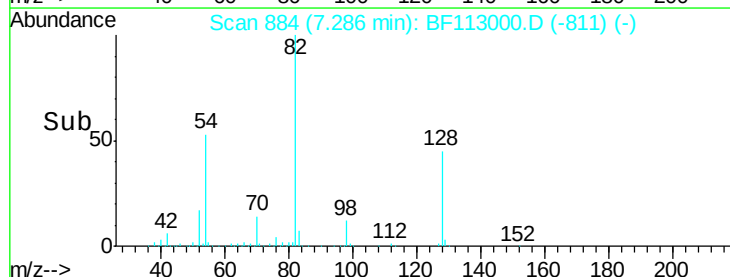


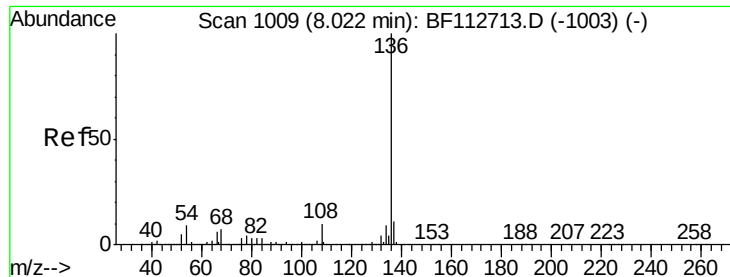
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

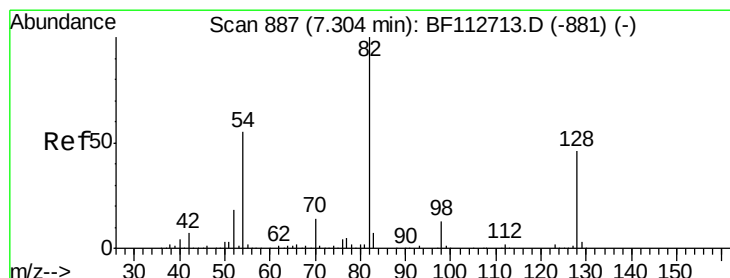
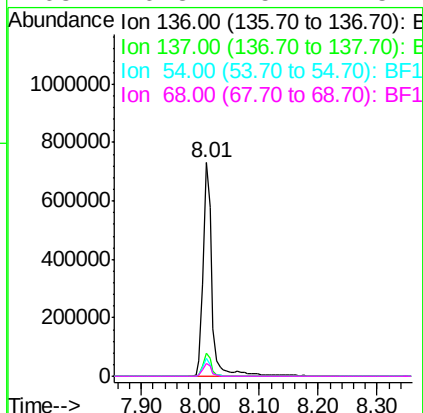
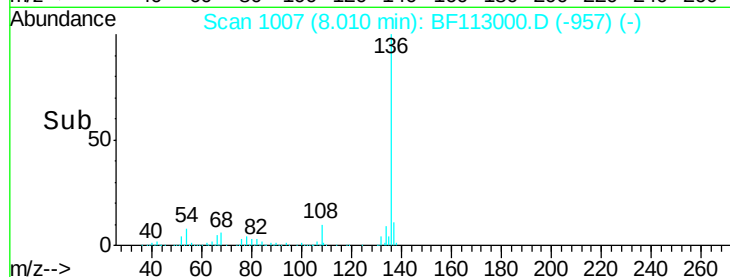
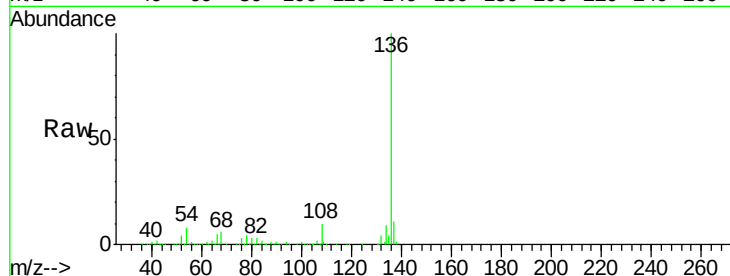




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113000.D
Acq: 12 Mar 2019 13:58

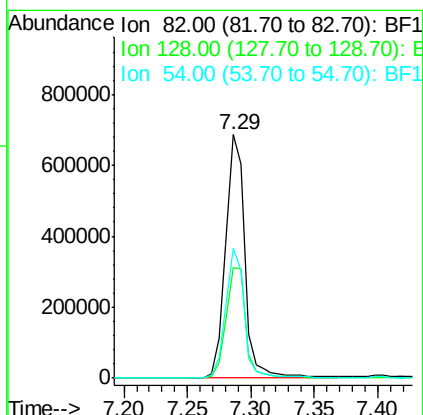
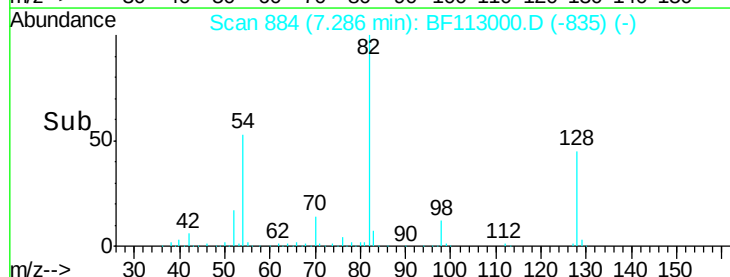
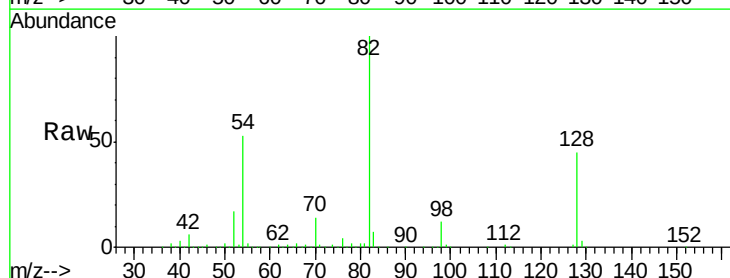
Instrument :
BNA_F
ClientSampleId :
SD2-0.0-0.5

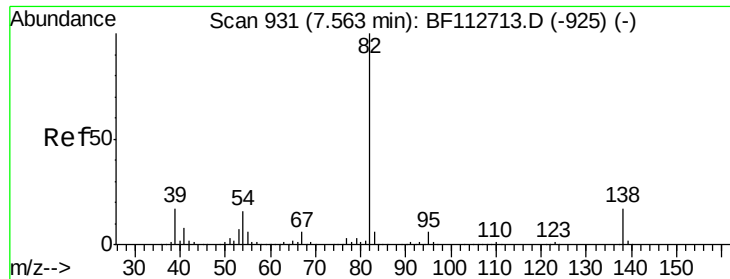
Tgt Ion:	136	Resp:	755599
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.4	7.3	10.9
68	6.3	5.4	8.2



#23
Nitrobenzene-d5
Concen: 57.314 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113000.D
Acq: 12 Mar 2019 13:58

Tgt Ion:	82	Resp:	723722
Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.3	54.5
54	53.1	43.7	65.5





#25

Isophorone

Concen: 26.512 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.27 min

Lab File: BF113000.D

Acq: 12 Mar 2019 13:58

Instrument :

BNA_F

ClientSampleId :

SD2-0.0-0.5

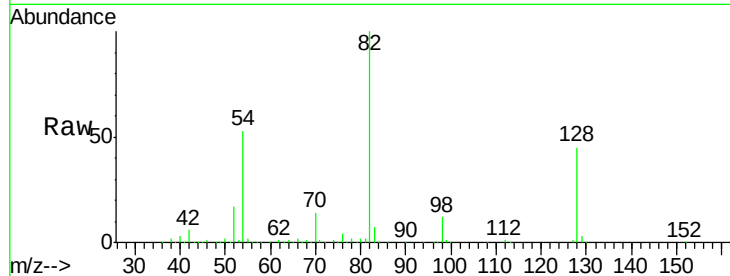
Tgt Ion: 82 Resp: 721218

Ion Ratio Lower Upper

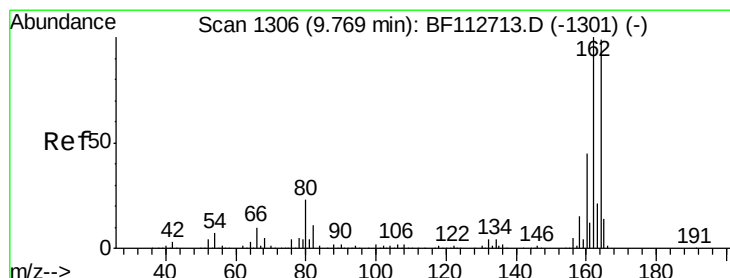
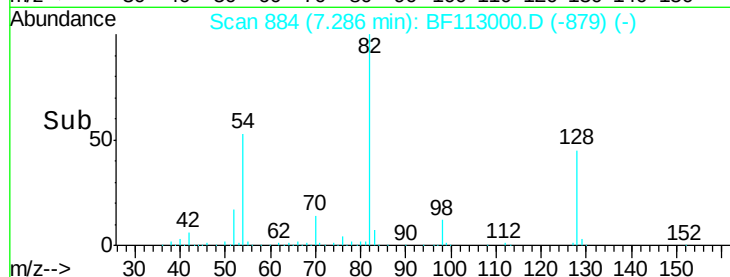
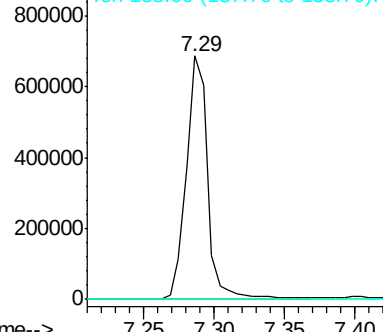
82 100

95 0.0 5.2 7.8#

138 0.0 13.8 20.8#



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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF113000.D

Acq: 12 Mar 2019 13:58

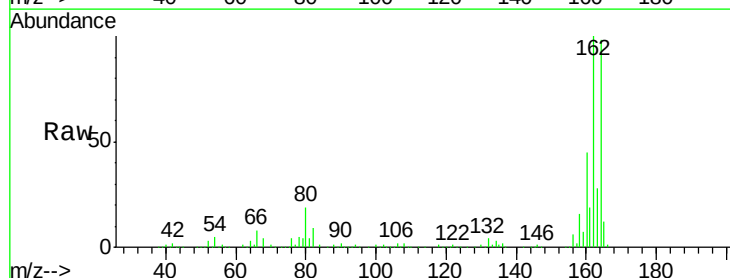
Tgt Ion: 164 Resp: 365152

Ion Ratio Lower Upper

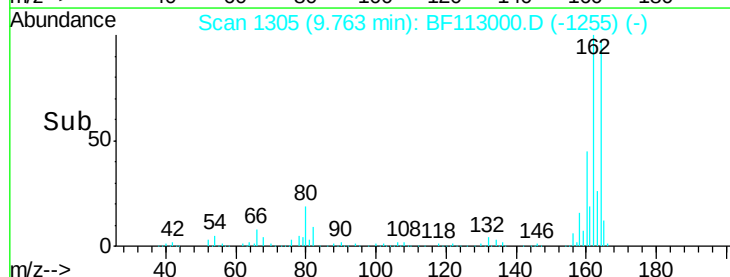
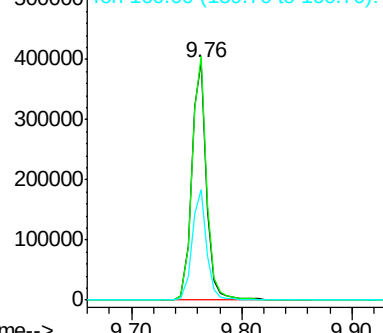
164 100

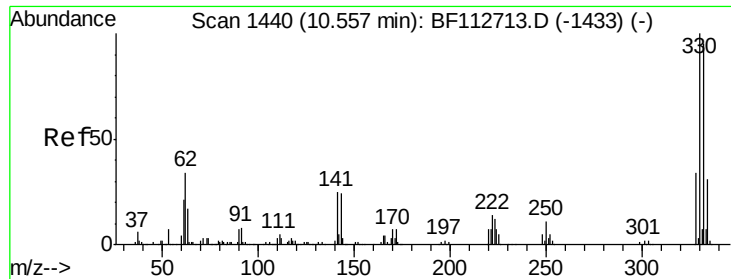
162 102.3 80.6 120.8

160 46.4 36.0 54.0



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

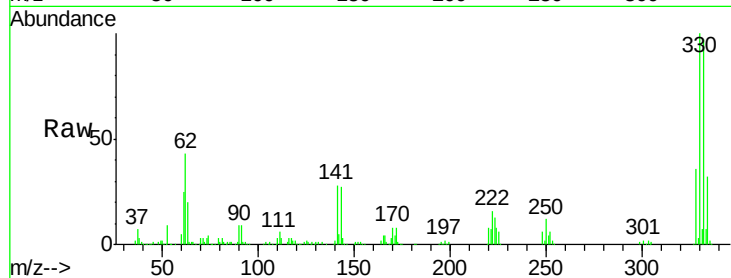




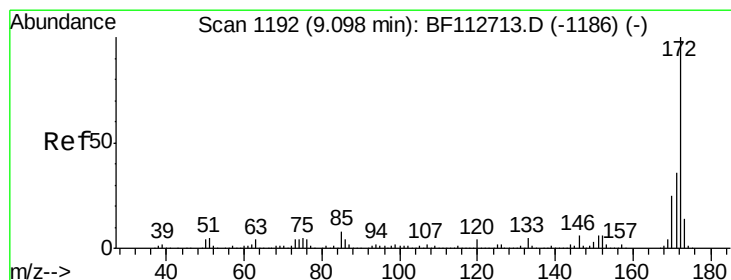
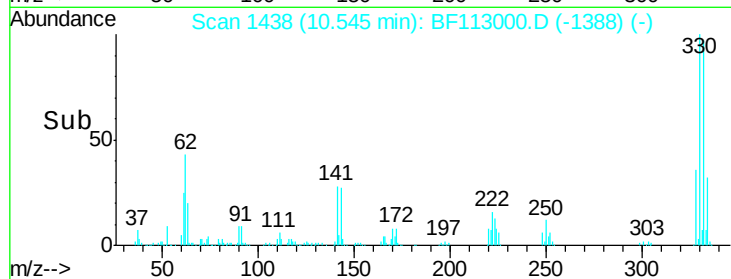
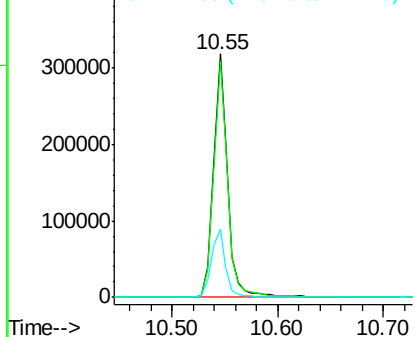
#42
 2,4,6-Tribromophenol
 Concen: 78.743 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113000.D
 Acq: 12 Mar 2019 13:58

Instrument :
 BNA_F
 ClientSampleId :
 SD2-0.0-0.5

Tgt Ion:330 Resp: 305249
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.2 114.4
 141 28.8 27.0 40.6

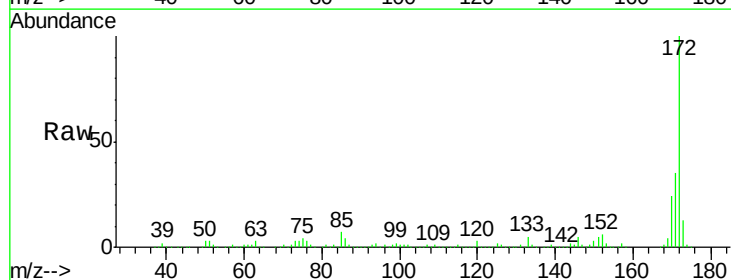


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

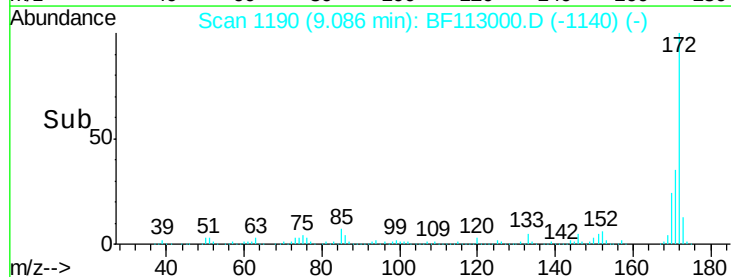
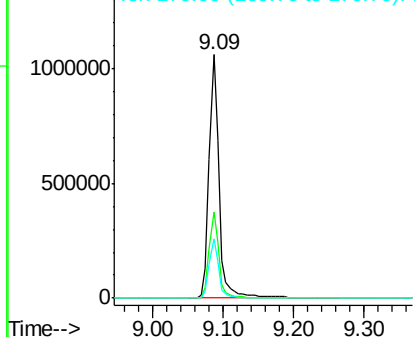


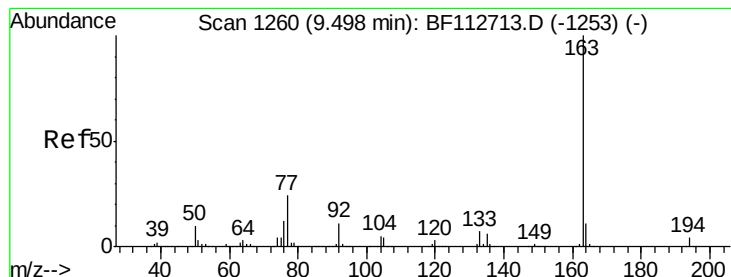
#45
 2-Fluorobiphenyl
 Concen: 41.246 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113000.D
 Acq: 12 Mar 2019 13:58

Tgt Ion:172 Resp: 1044064
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.0 43.4
 170 24.2 20.0 30.0



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: 3.363 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF113000.D

Acq: 12 Mar 2019 13:58

Instrument :

BNA_F

ClientSampleId :

SD2-0.0-0.5

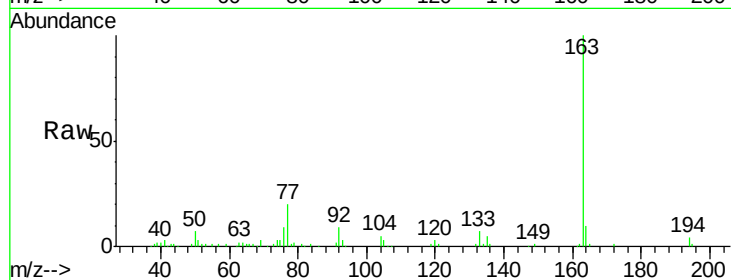
Tgt Ion:163 Resp: 90540

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

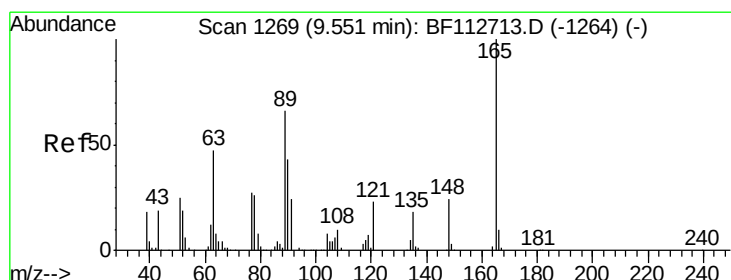
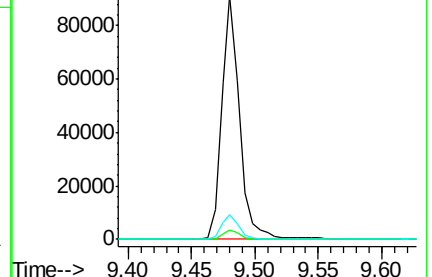
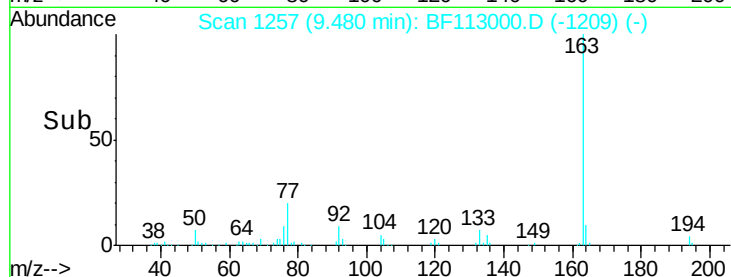
164 10.4 8.4 12.6



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: 8.184 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF113000.D

Acq: 12 Mar 2019 13:58

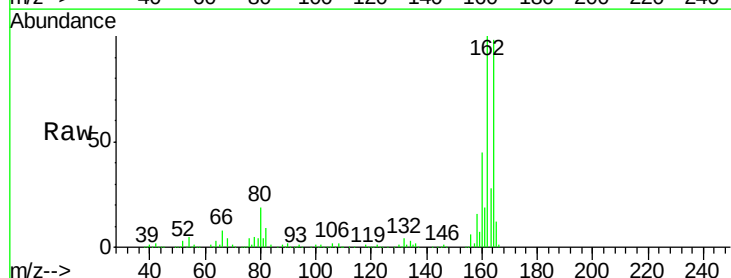
Tgt Ion:165 Resp: 45885

Ion Ratio Lower Upper

165 100

63 1.4 54.1 81.1#

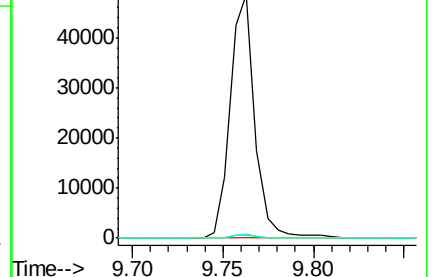
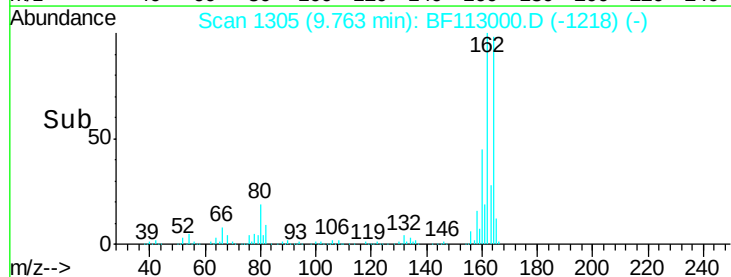
89 1.6 52.8 79.2#

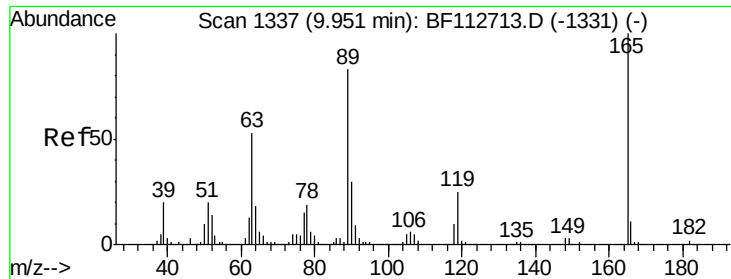


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

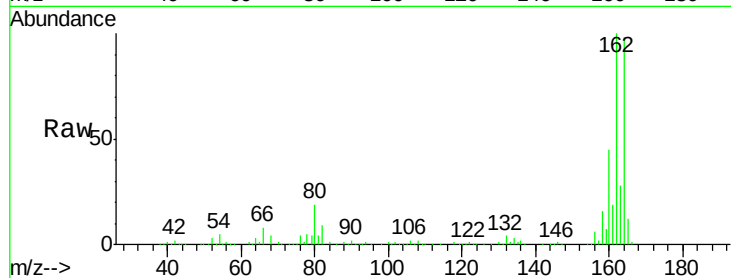




#57
 2,4-Dinitrotoluene
 Concen: 6.584 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF113000.D
 Acq: 12 Mar 2019 13:58

Instrument :
 BNA_F
 ClientSampleId :
 SD2-0.0-0.5

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.2	63.2#
89	1.6	66.2	99.4#
182	0.0	1.8	2.6#

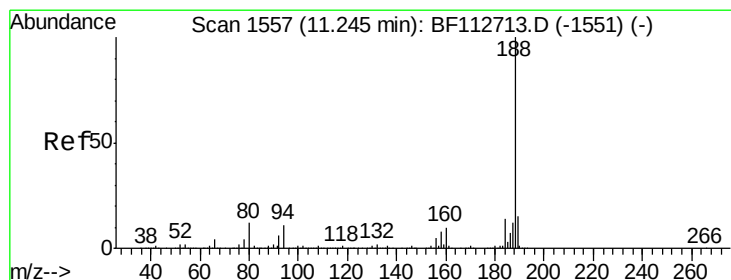
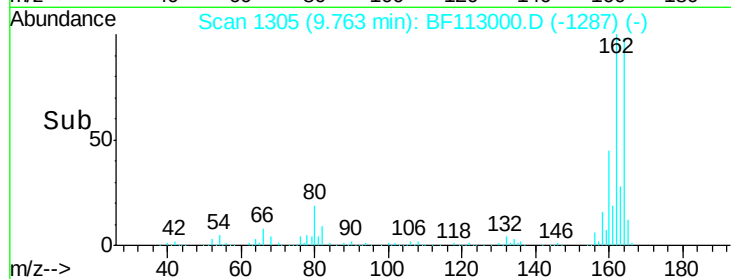
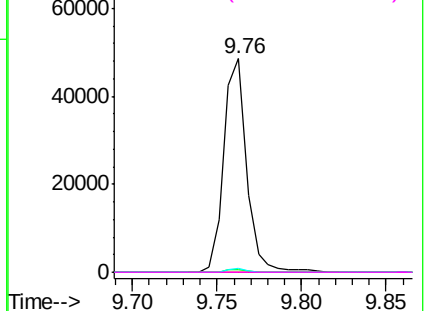


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

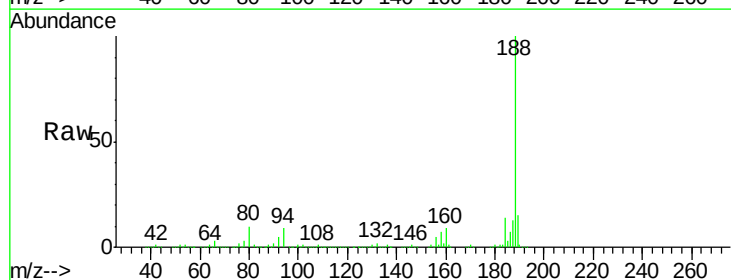
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF113000.D
 Acq: 12 Mar 2019 13:58

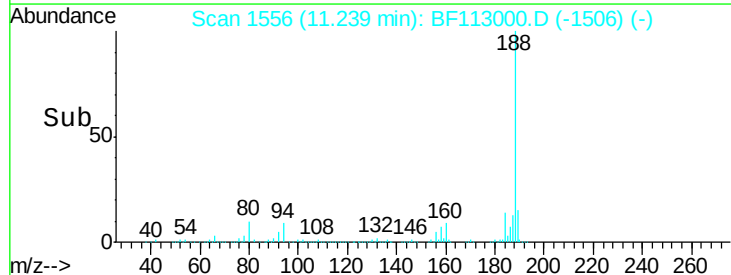
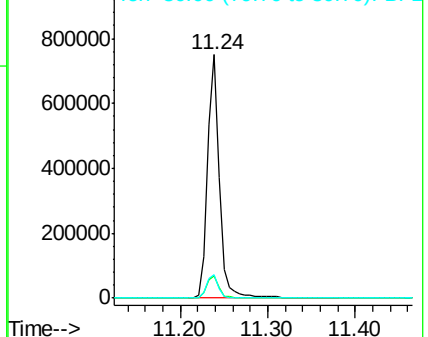
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	9.0	13.4
80	9.8	9.2	13.8

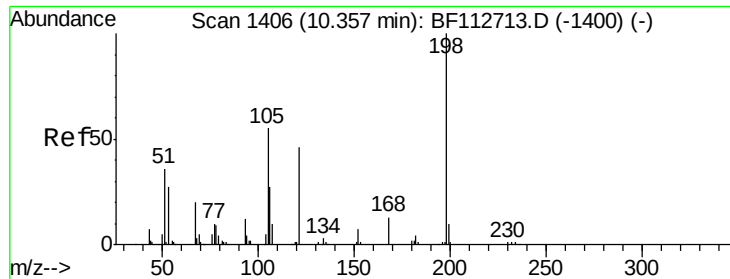


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

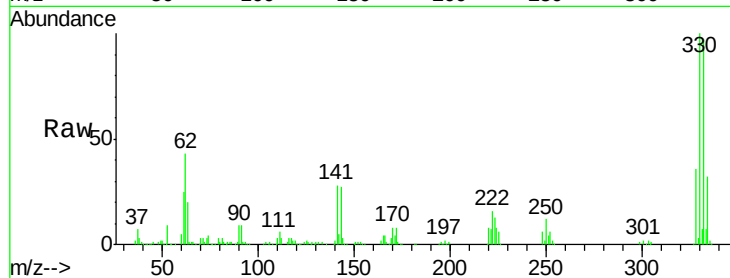




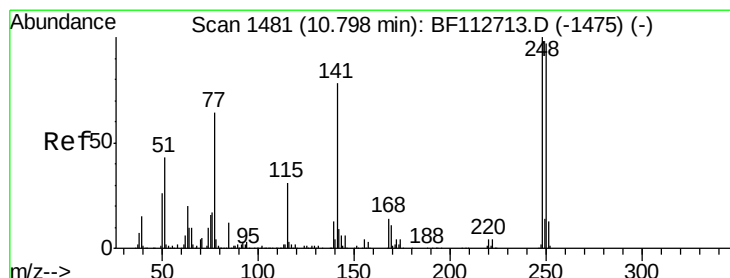
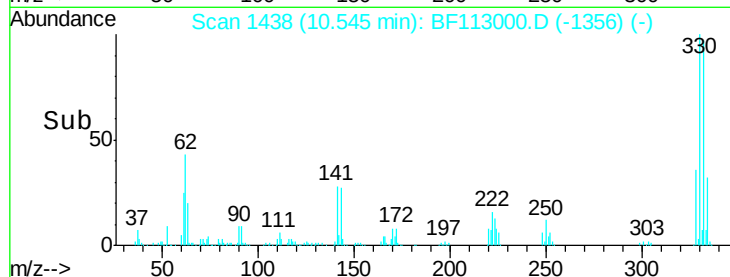
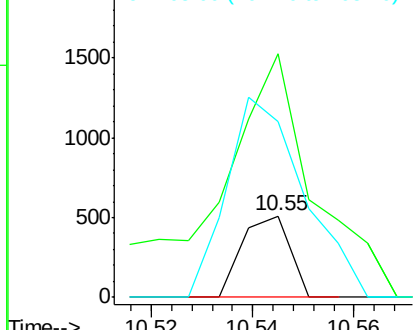
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.716 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF113000.D
 Acq: 12 Mar 2019 13:58

Instrument :
 BNA_F
 ClientSampleId :
 SD2-0.0-0.5

Tgt Ion:198 Resp: 333
 Ion Ratio Lower Upper
 198 100
 51 299.2 43.8 83.8#
 105 215.9 36.5 76.5#

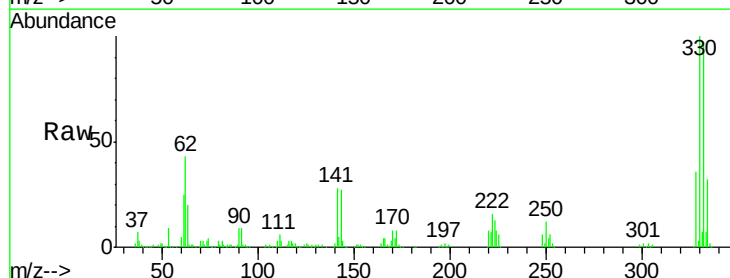


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

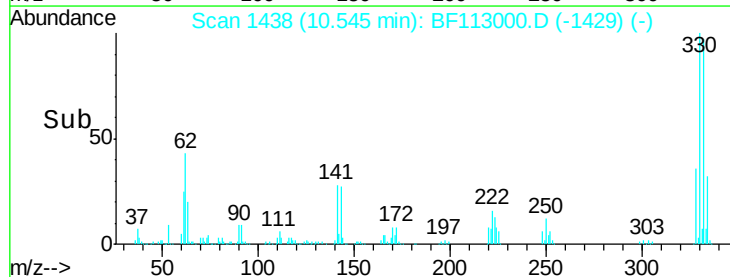
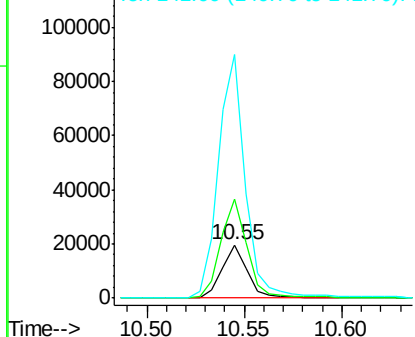


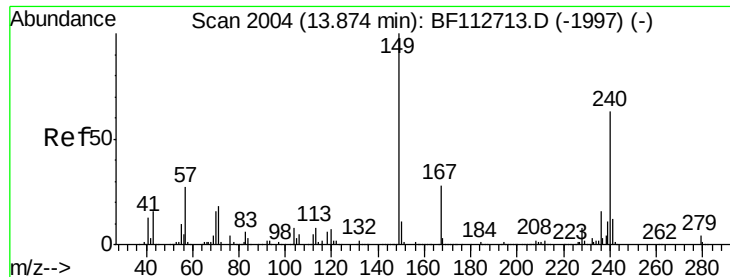
#67
 4-Bromophenyl-phenylether
 Concen: 2.356 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF113000.D
 Acq: 12 Mar 2019 13:58

Tgt Ion:248 Resp: 17585
 Ion Ratio Lower Upper
 248 100
 250 187.8 77.5 116.3#
 141 459.4 62.4 93.6#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113000.D

Acq: 12 Mar 2019 13:58

Instrument :

BNA_F

ClientSampleId :

SD2-0.0-0.5

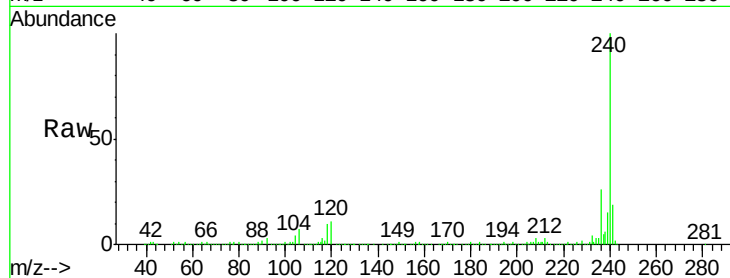
Tgt Ion:240 Resp: 503255

Ion Ratio Lower Upper

240 100

120 11.3 8.9 13.3

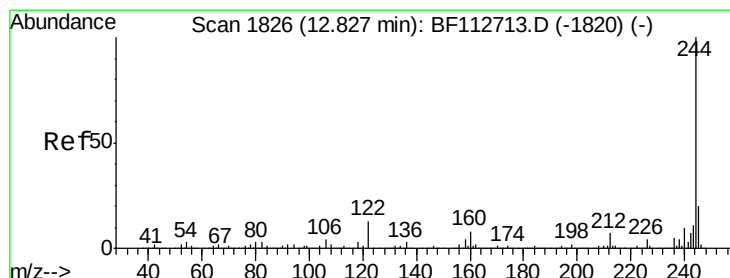
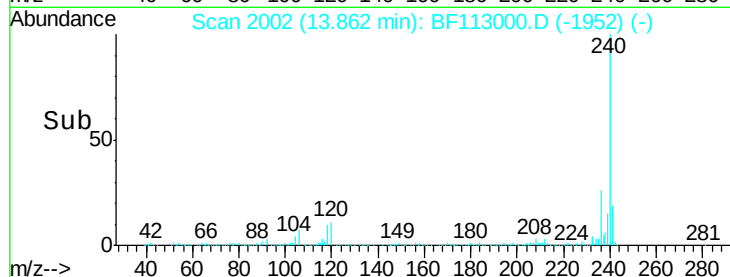
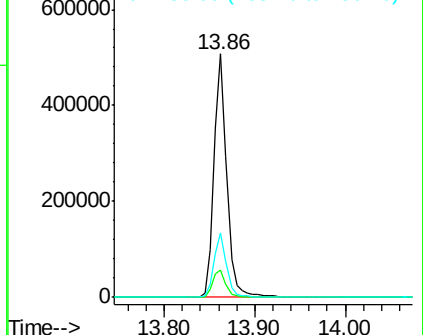
236 26.2 20.7 31.1



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: 33.609 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113000.D

Acq: 12 Mar 2019 13:58

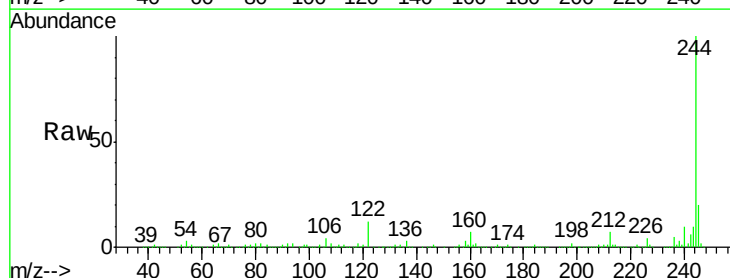
Tgt Ion:244 Resp: 872515

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

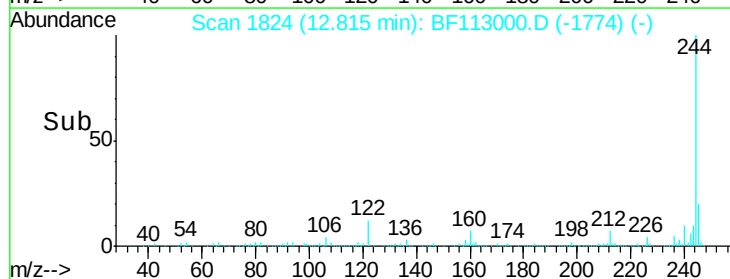
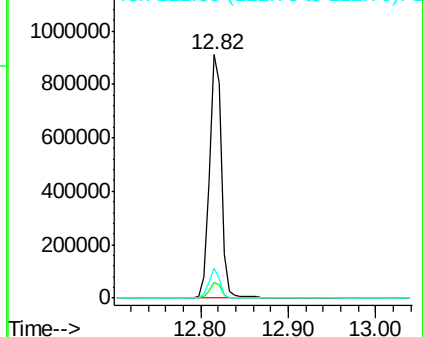
122 12.1 10.5 15.7

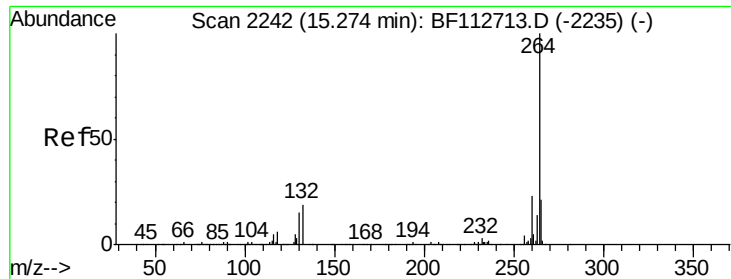


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113000.D
Acq: 12 Mar 2019 13:58

Instrument :
BNA_F
ClientSampleId :
SD2-0.0-0.5

Tgt Ion: 264 Resp: 493924

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.4	17.2	25.8

