

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031219\
 Data File : BF113013.D
 Acq On : 12 Mar 2019 20:05
 Operator : JU/SJ
 Sample : K1687-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

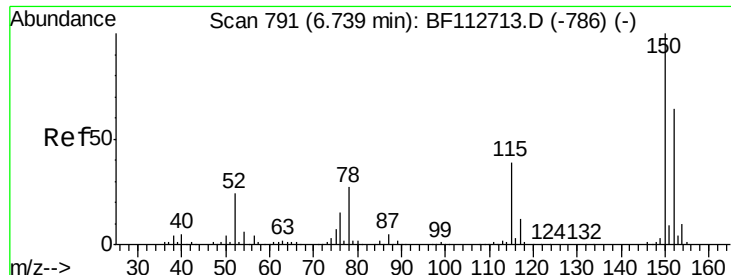
Instrument :
 BNA_F
 ClientSampleId :
 HR-06-031119-A

Quant Time: Mar 13 03:58:20 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	195327	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	716033	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	332557	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	617179	20.00	ng	0.00
76) Chrysene-d12	13.86	240	536271	20.00	ng	0.00
87) Perylene-d12	15.27	264	460931	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	957391	76.24	ng	0.00
7) Phenol-d6	6.37	99	999601	63.37	ng	0.00
23) Nitrobenzene-d5	7.29	82	1042711	87.14	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	444563	125.92	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1803908	91.81	ng	0.00
79) Terphenyl-d14	12.82	244	1936501	70.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	138370	13.851	ng	# 75
25) Isophorone	7.29	82	1011289	39.229	ng	# 66
50) Dimethylphthalate	9.76	163	79293	3.234	ng	# 1
51) 2,6-Dinitrotoluene	9.76	165	42720	8.366	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	42832	6.748	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	781	4.891	ng	# 12
67) 4-Bromophenyl-phenylether	10.55	248	24887	3.828	ng	# 1

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

```
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Sample    : K1687-02  
Misc      :  
ALS Vial  : 16      Sample Multiplier: 1
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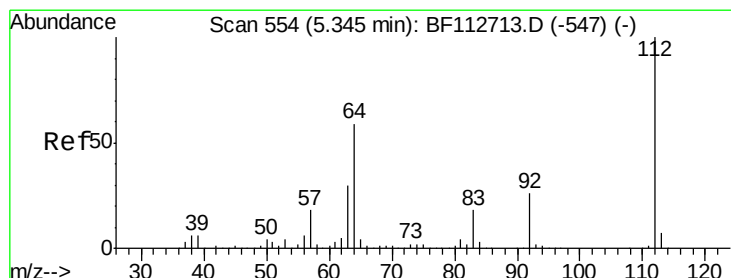
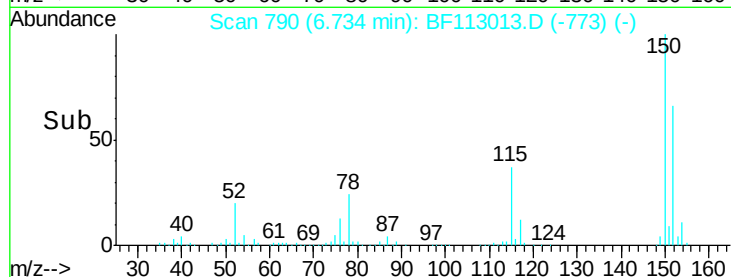
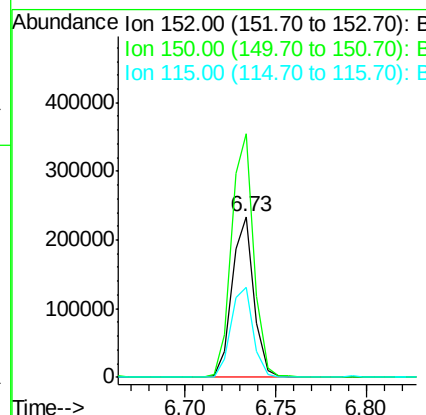
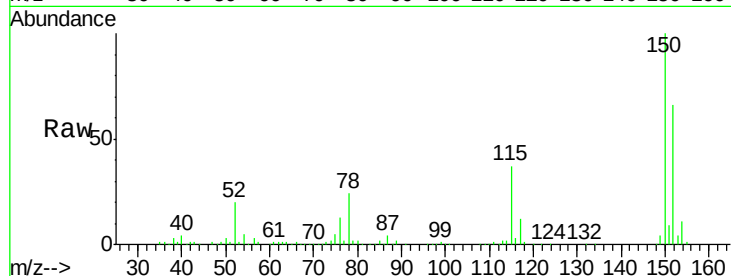


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF113013.D
 Acq: 12 Mar 2019 20:05

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-031119-A

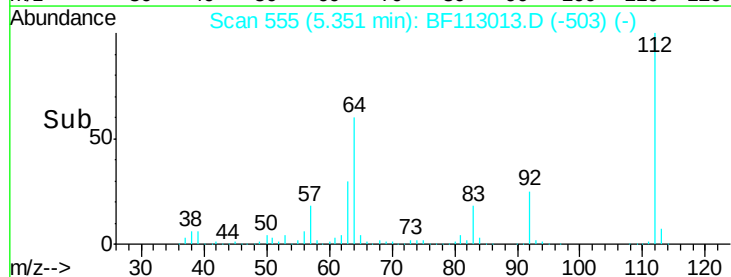
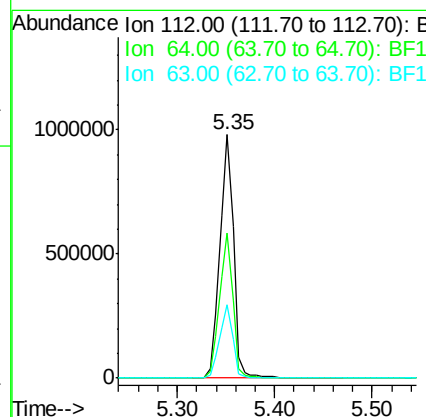
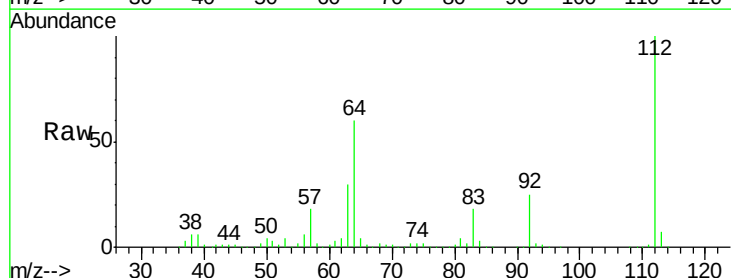
Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.2	186.2
115	55.6	48.2	72.4

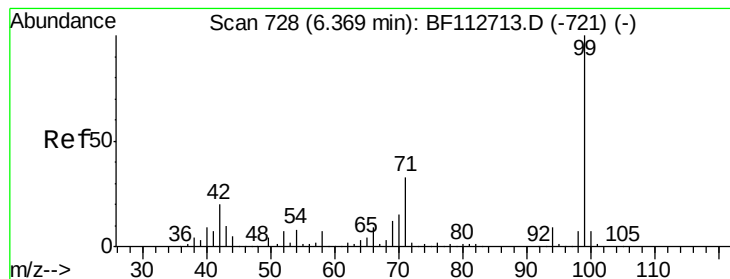


#5

2-Fluorophenol
 Concen: 76.245 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: BF113013.D
 Acq: 12 Mar 2019 20:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.6	71.4
63	30.2	24.4	36.6





#7

Phenol-d6

Concen: 63.372 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113013.D

Acq: 12 Mar 2019 20:05

Instrument :

BNA_F

ClientSampleId :

HR-06-031119-A

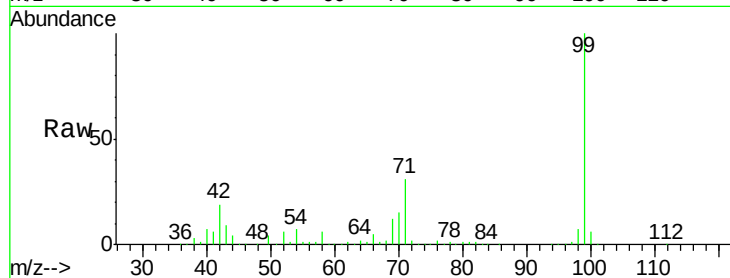
Tgt Ion: 99 Resp: 999601

Ion Ratio Lower Upper

99 100

42 18.6 16.3 24.5

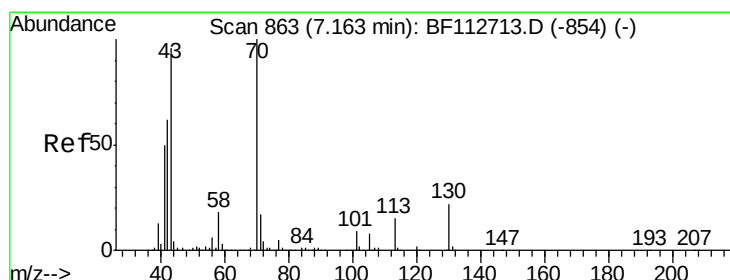
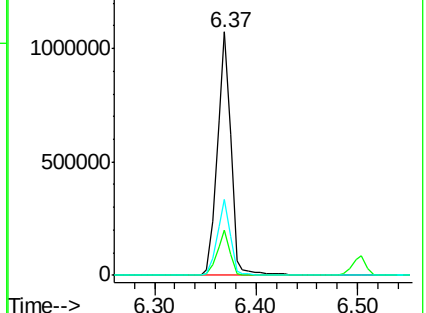
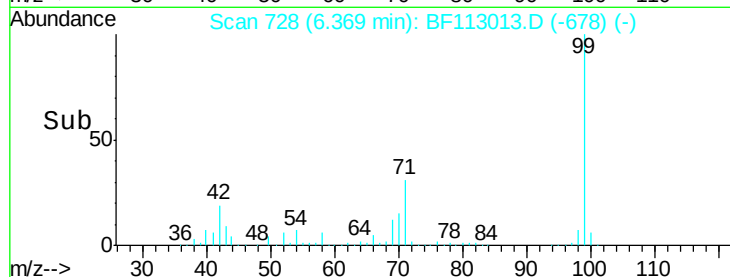
71 31.4 26.2 39.4



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: 13.851 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF113013.D

Acq: 12 Mar 2019 20:05

Tgt Ion: 70 Resp: 138370

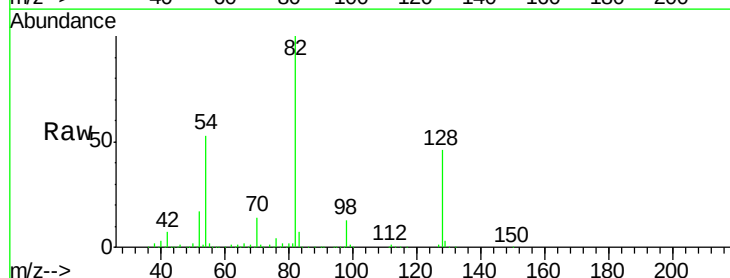
Ion Ratio Lower Upper

70 100

42 48.1 49.9 74.9#

101 0.0 7.4 11.2#

130 2.1 17.4 26.2#

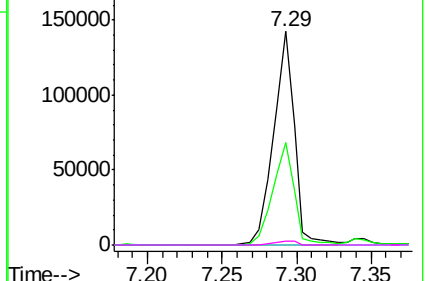
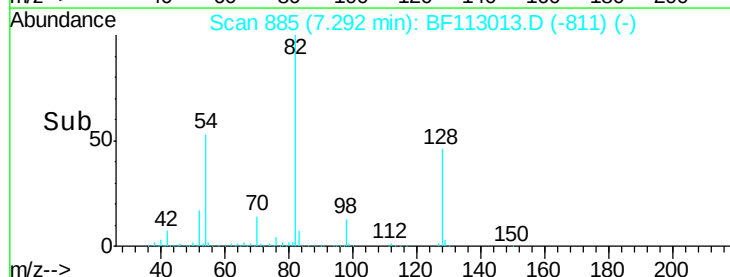


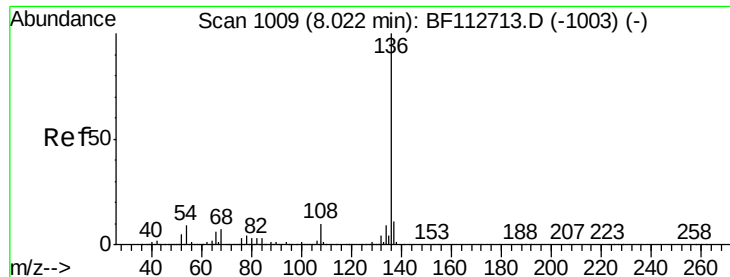
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

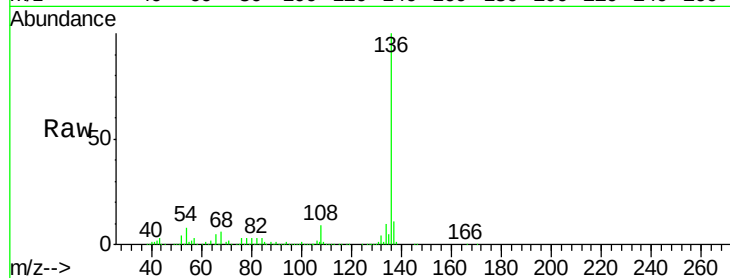




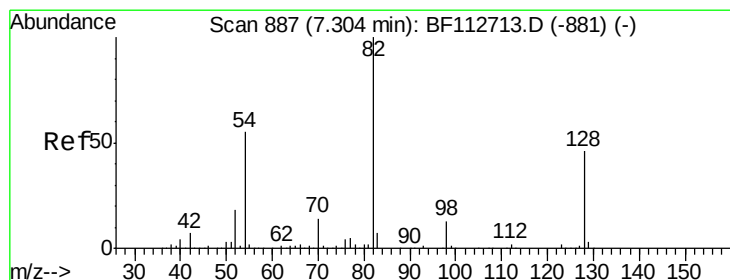
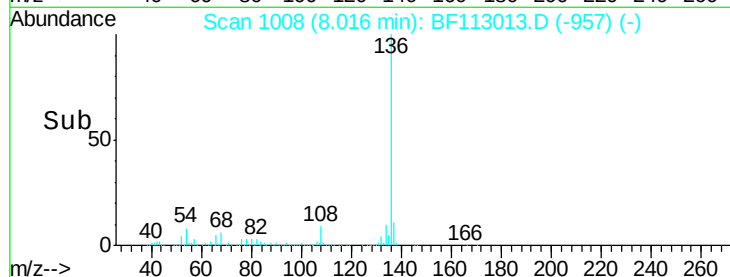
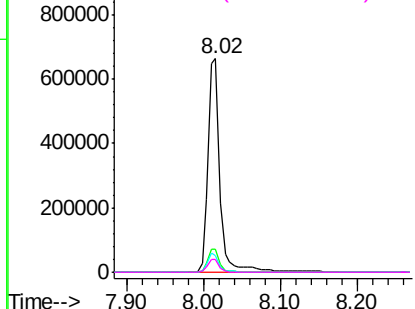
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF113013.D
Acq: 12 Mar 2019 20:05

Instrument :
BNA_F
ClientSampleId :
HR-06-031119-A

Tgt Ion:	136	Resp:	716033
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.8	7.3	10.9
68	5.9	5.4	8.2

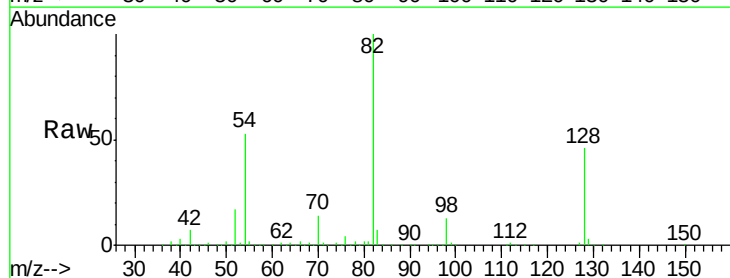


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

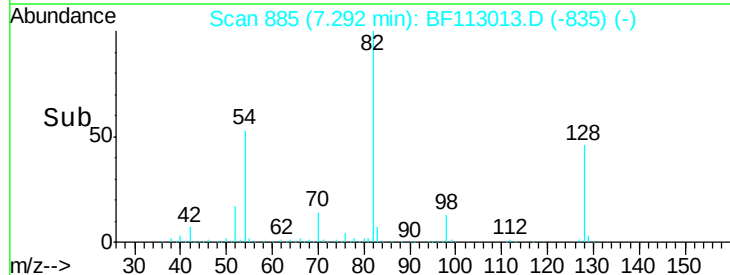
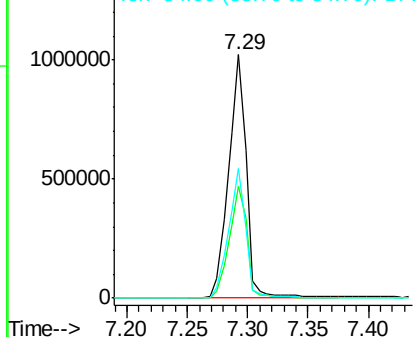


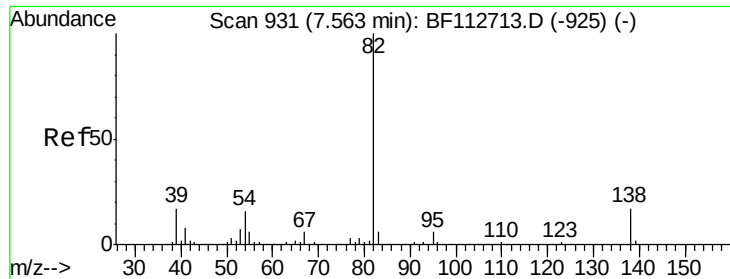
#23
Nitrobenzene-d5
Concen: 87.138 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF113013.D
Acq: 12 Mar 2019 20:05

Tgt Ion:	82	Resp:	1042711
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.3	54.5
54	53.4	43.7	65.5



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

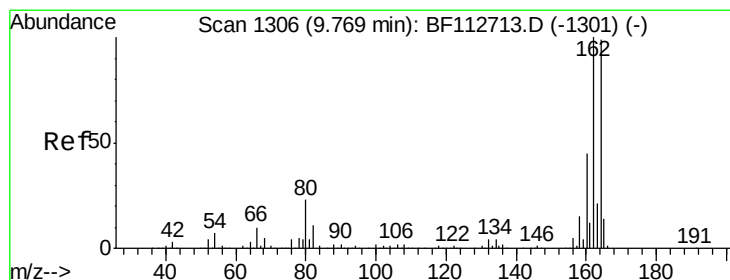
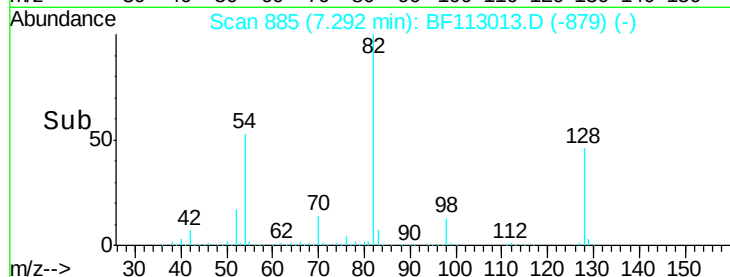
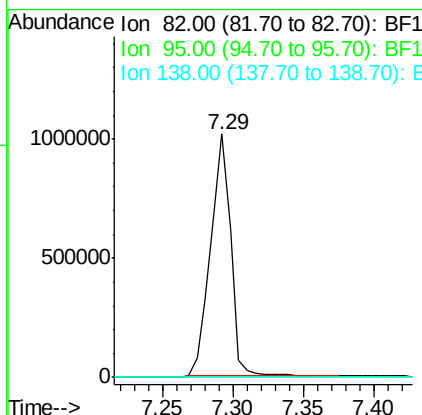
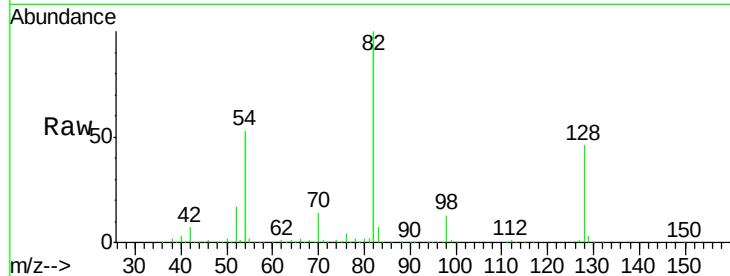




#25
Isophorone
Concen: 39.229 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.26 min
Lab File: BF113013.D
Acq: 12 Mar 2019 20:05

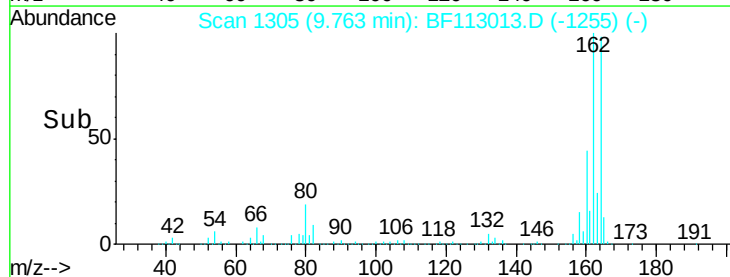
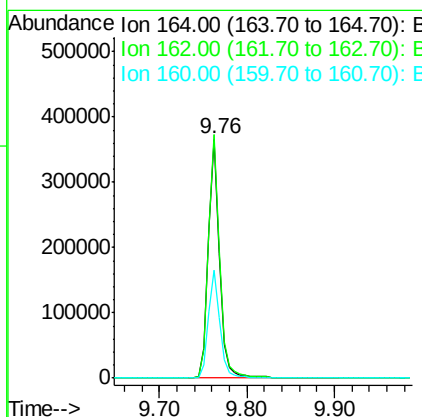
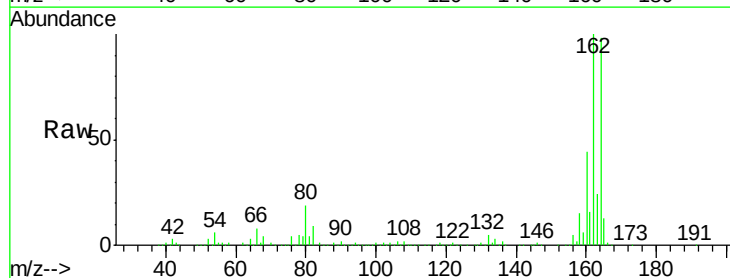
Instrument :
BNA_F
ClientSampleId :
HR-06-031119-A

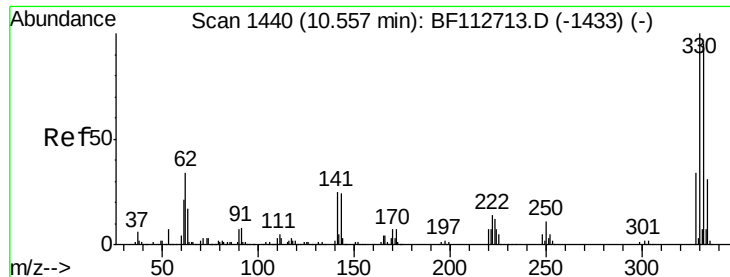
Tgt Ion: 82 Resp: 1011289
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF113013.D
Acq: 12 Mar 2019 20:05

Tgt Ion: 164 Resp: 332557
Ion Ratio Lower Upper
164 100
162 101.9 80.6 120.8
160 45.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 125.920 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF113013.D

Acq: 12 Mar 2019 20:05

Instrument :

BNA_F

ClientSampleId :

HR-06-031119-A

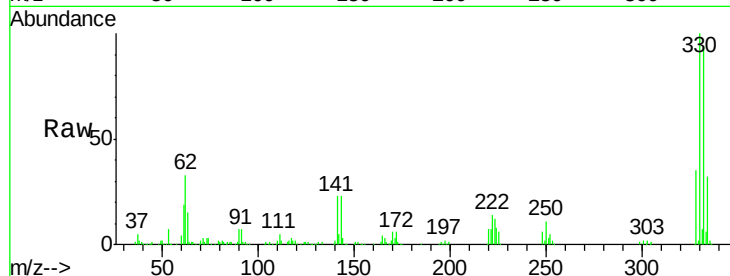
Tgt Ion:330 Resp: 444563

Ion Ratio Lower Upper

330 100

332 94.8 76.2 114.4

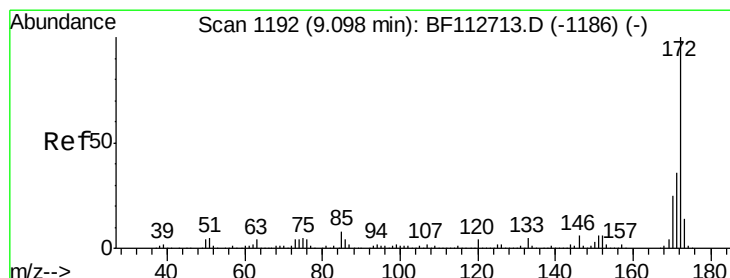
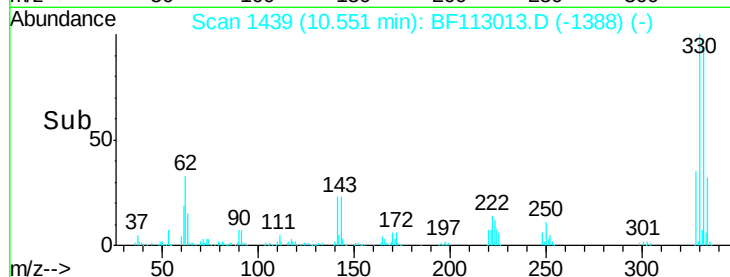
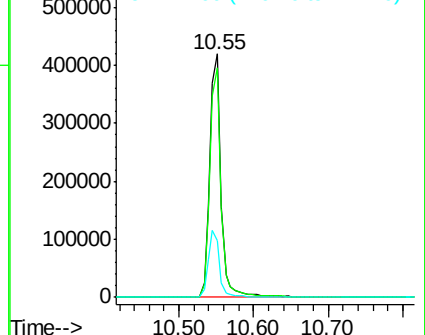
141 28.1 27.0 40.6



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: 91.813 ng

RT: 9.09 min Scan# 1191

Delta R.T. -0.00 min

Lab File: BF113013.D

Acq: 12 Mar 2019 20:05

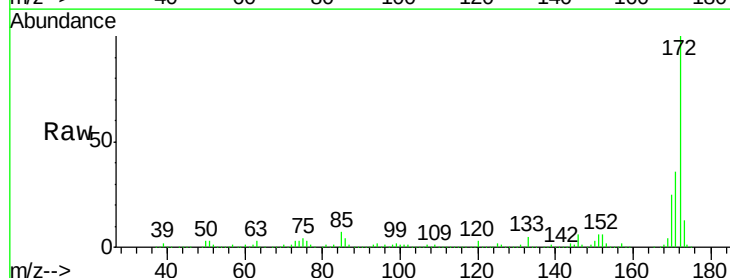
Tgt Ion:172 Resp: 1803908

Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.4

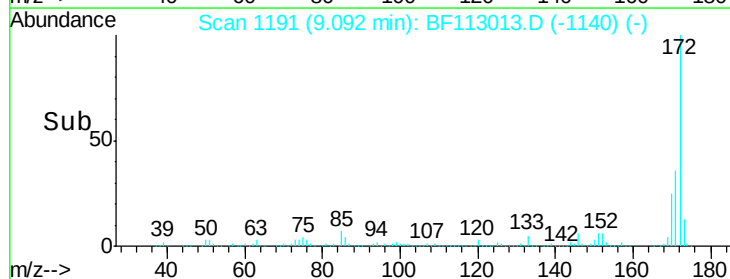
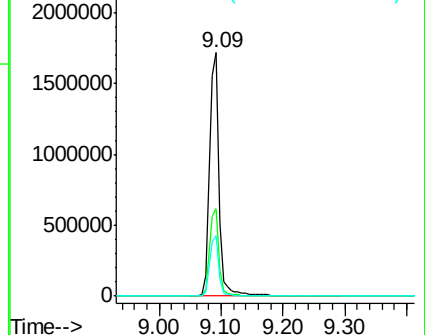
170 24.6 20.0 30.0

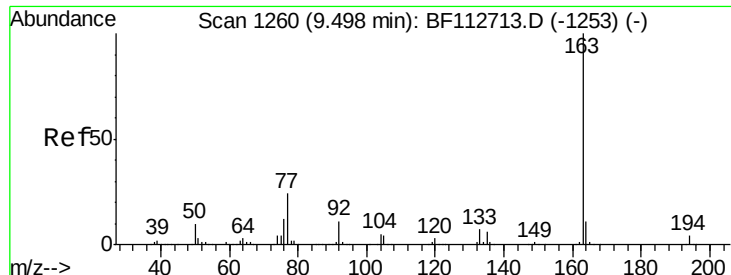


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.234 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.26 min

Lab File: BF113013.D

Acq: 12 Mar 2019 20:05

Instrument :

BNA_F

ClientSampleId :

HR-06-031119-A

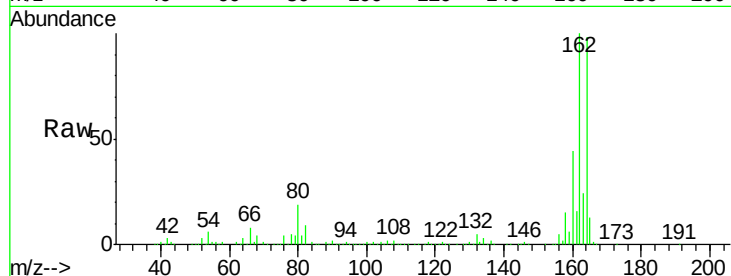
Tgt Ion:163 Resp: 79293

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.4#

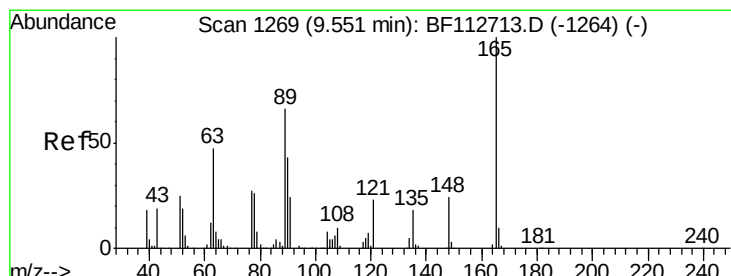
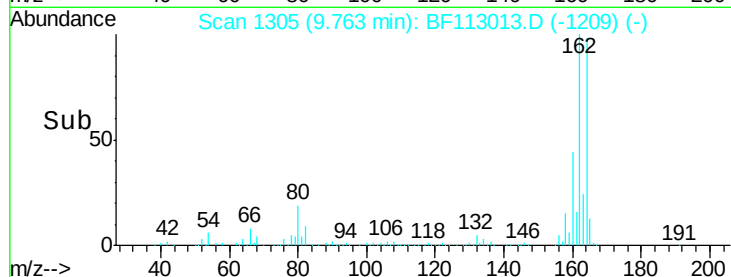
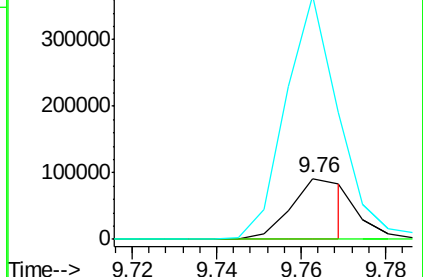
164 401.7 8.4 12.6#



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: 8.366 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF113013.D

Acq: 12 Mar 2019 20:05

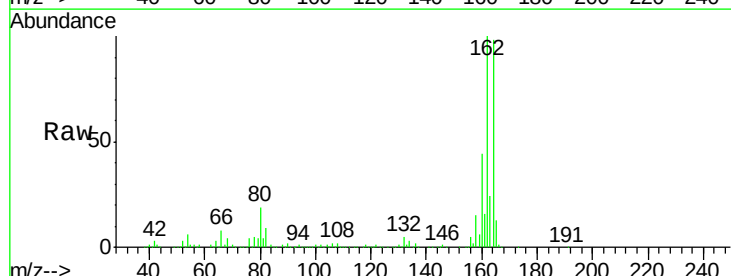
Tgt Ion:165 Resp: 42720

Ion Ratio Lower Upper

165 100

63 1.4 54.1 81.1#

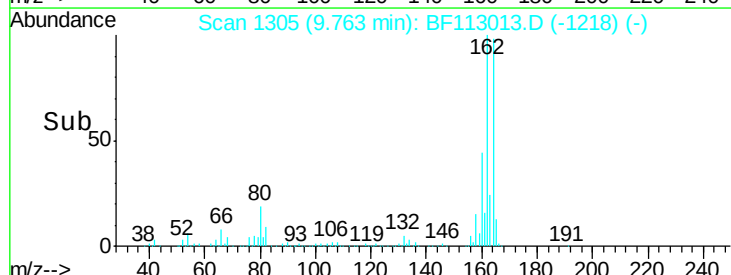
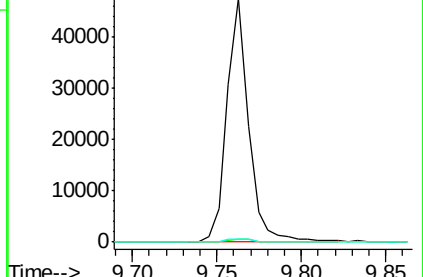
89 1.3 52.8 79.2#

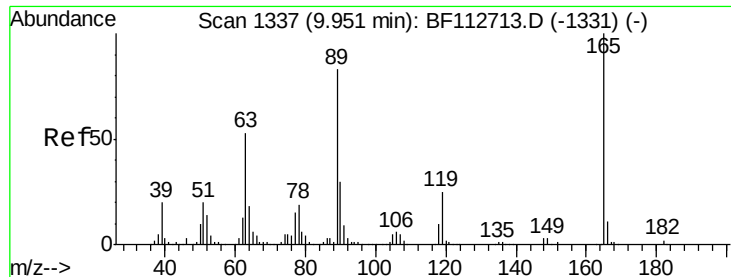


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

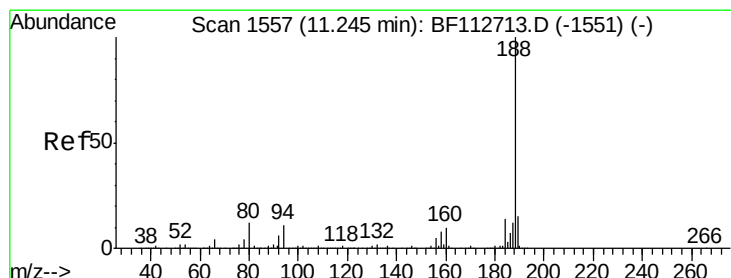
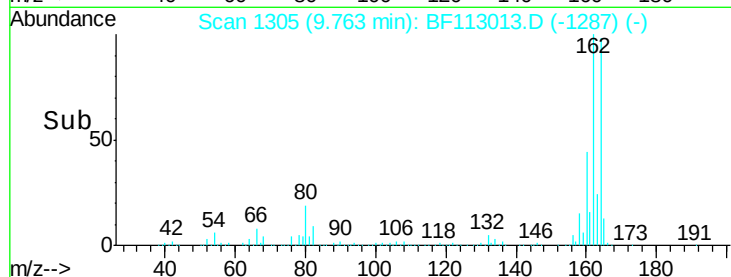
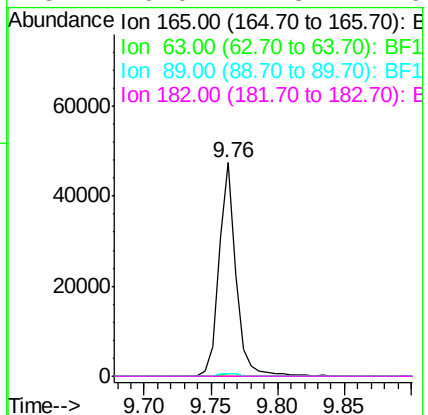
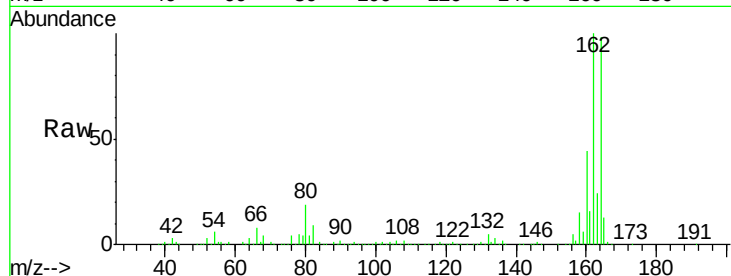




#57
 2,4-Dinitrotoluene
 Concen: 6.748 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF113013.D
 Acq: 12 Mar 2019 20:05

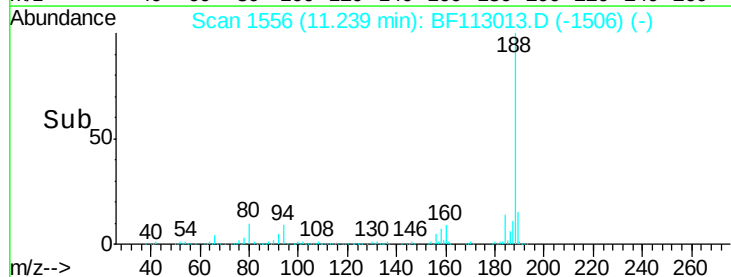
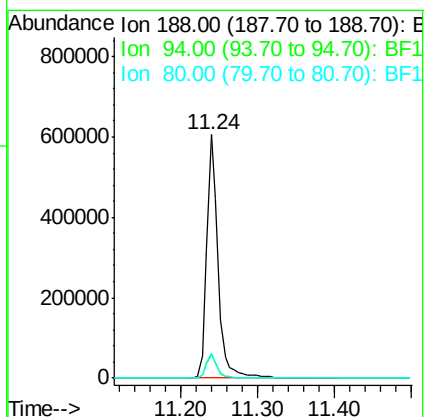
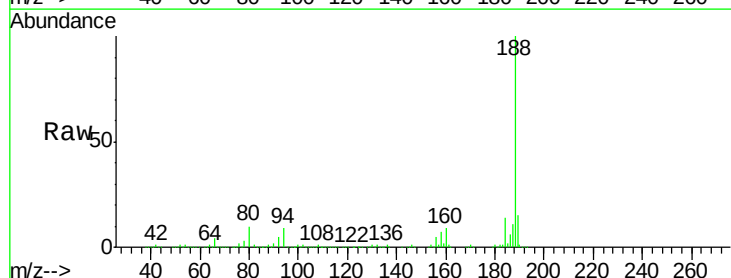
Instrument :
 BNA_F
 ClientSampleId :
 HR-06-031119-A

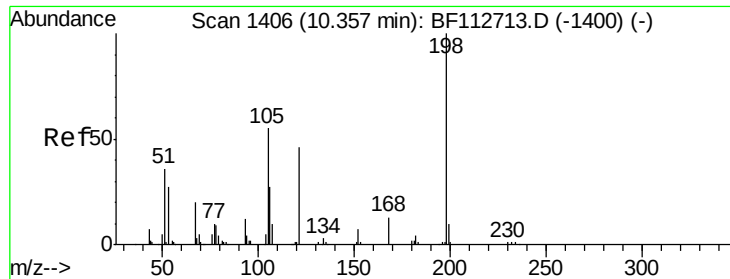
Tgt Ion:165 Resp: 42832
 Ion Ratio Lower Upper
 165 100
 63 1.4 42.2 63.2#
 89 1.3 66.2 99.4#
 182 0.0 1.8 2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF113013.D
 Acq: 12 Mar 2019 20:05

Tgt Ion:188 Resp: 617179
 Ion Ratio Lower Upper
 188 100
 94 9.5 9.0 13.4
 80 10.2 9.2 13.8

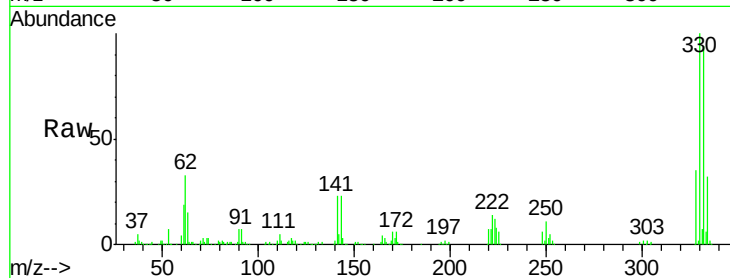




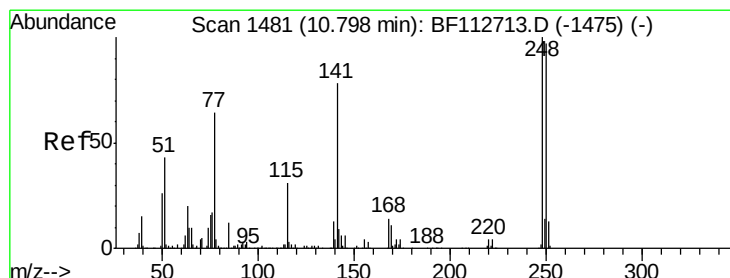
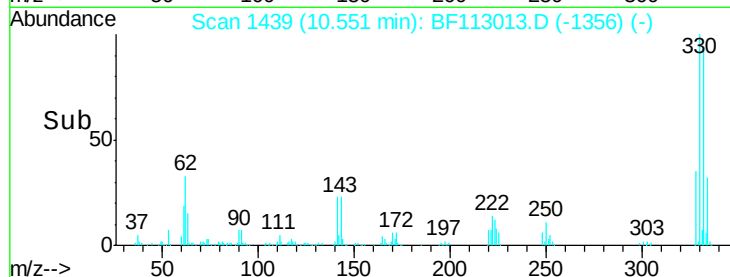
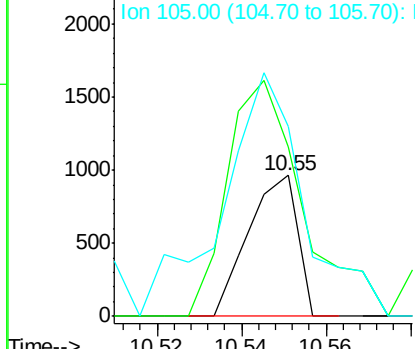
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.891 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.19 min
 Lab File: BF113013.D
 Acq: 12 Mar 2019 20:05

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-031119-A

Tgt Ion:198 Resp: 781
 Ion Ratio Lower Upper
 198 100
 51 120.1 43.8 83.8#
 105 134.2 36.5 76.5#

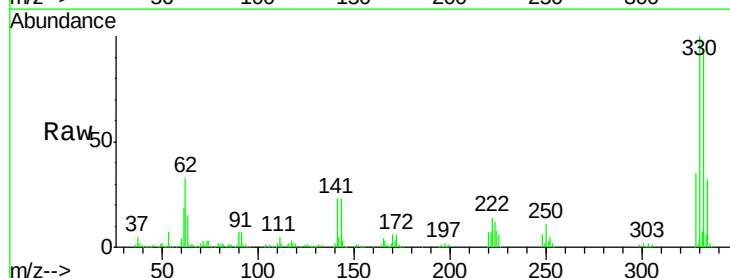


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

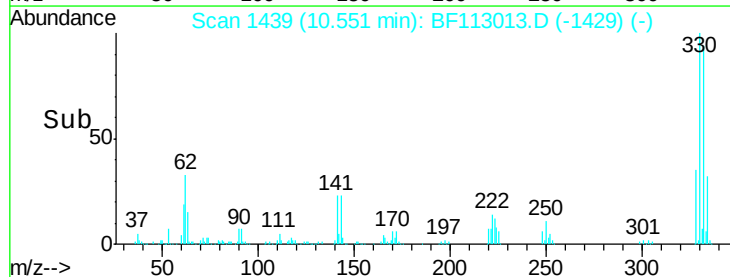
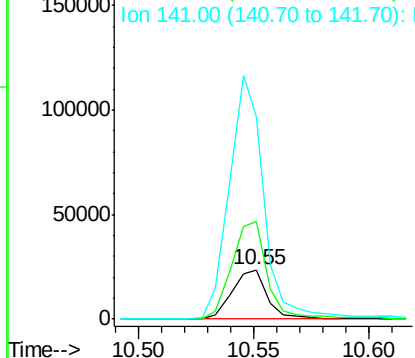


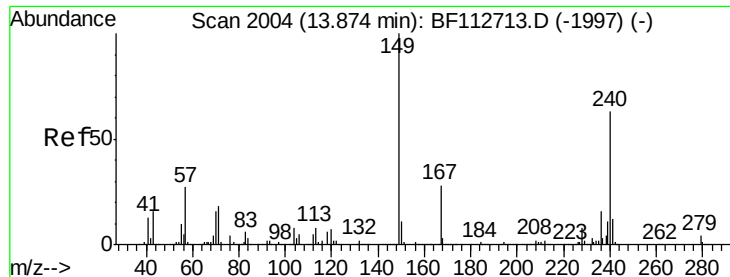
#67
 4-Bromophenyl-phenylether
 Concen: 3.828 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF113013.D
 Acq: 12 Mar 2019 20:05

Tgt Ion:248 Resp: 24887
 Ion Ratio Lower Upper
 248 100
 250 199.0 77.5 116.3#
 141 413.3 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: BF113013.D

Acq: 12 Mar 2019 20:05

Instrument :

BNA_F

ClientSampleId :

HR-06-031119-A

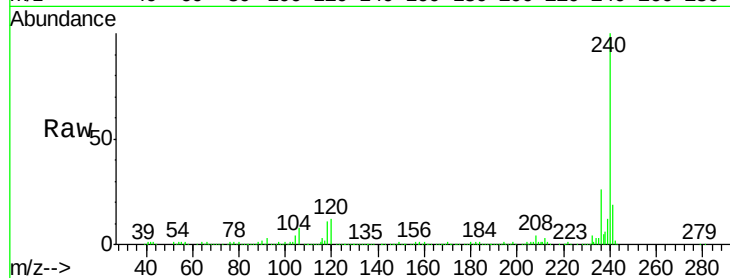
Tgt Ion:240 Resp: 536271

Ion Ratio Lower Upper

240 100

120 12.4 8.9 13.3

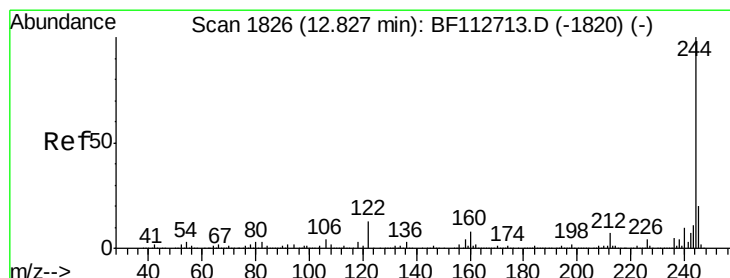
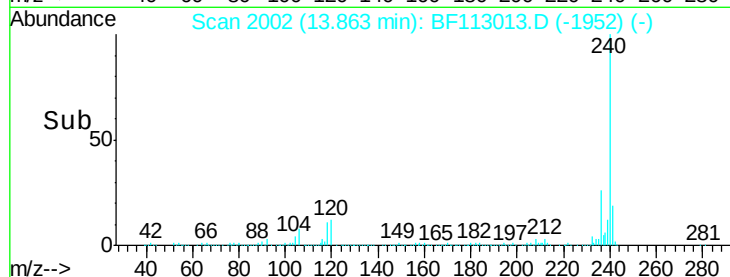
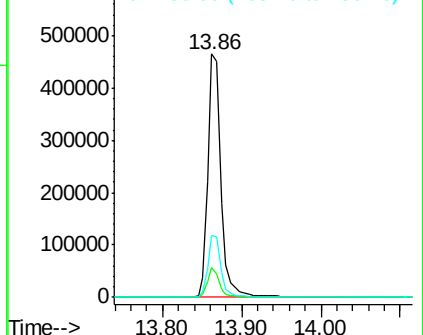
236 25.5 20.7 31.1



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: 70.000 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF113013.D

Acq: 12 Mar 2019 20:05

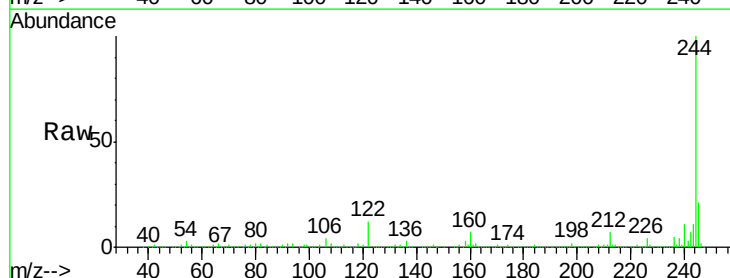
Tgt Ion:244 Resp: 1936501

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

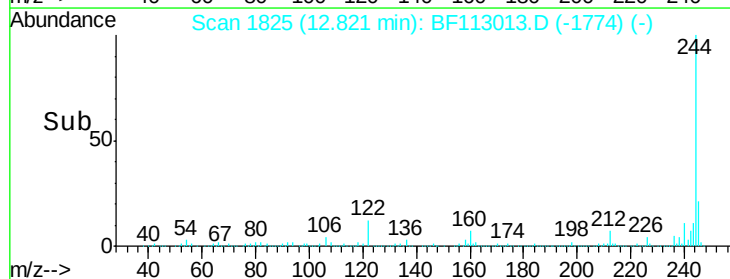
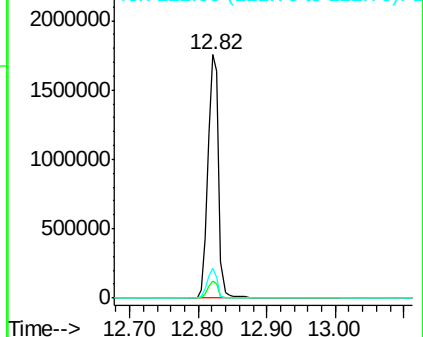
122 12.4 10.5 15.7

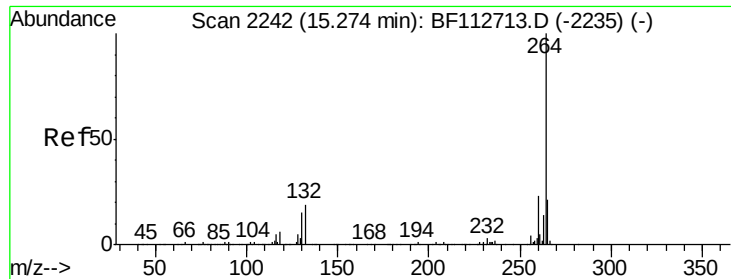


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2242
Delta R.T. -0.00 min
Lab File: BF113013.D
Acq: 12 Mar 2019 20:05

Instrument :
BNA_F
ClientSampleId :
HR-06-031119-A

Tgt Ion: 264 Resp: 460931
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 20.7 17.2 25.8

