

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031819\
 Data File : BF113100.D
 Acq On : 18 Mar 2019 19:44
 Operator : JU/SJ
 Sample : K1687-11 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-031519-C

Quant Time: Mar 19 04:51:29 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

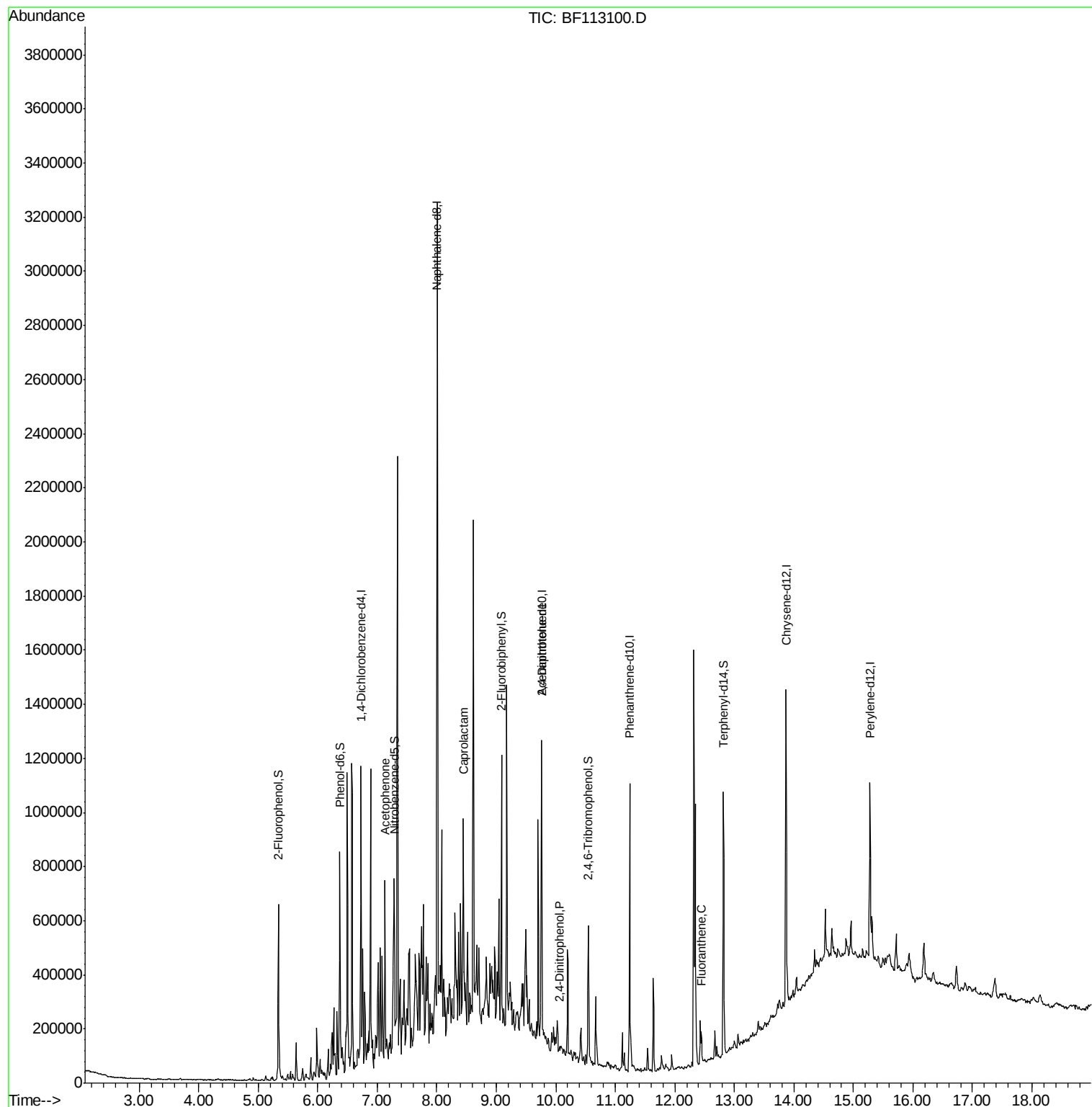
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	152236	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	510193	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	230136	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	426996	20.00	ng	0.00
76) Chrysene-d12	13.87	240	458777	20.00	ng	0.00
87) Perylene-d12	15.28	264	337503	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	208722	21.33	ng	0.00
7) Phenol-d6	6.37	99	294906	23.99	ng	0.00
23) Nitrobenzene-d5	7.29	82	188332	22.09	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	78617	32.18	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	342862	19.58	ng	0.00
79) Terphenyl-d14	12.82	244	353996	14.96	ng	0.00
Target Compounds						
22) Acetophenone	7.13	105	38816	3.254	ng	# 37
35) Caprolactam	8.45	113	13474	5.368	ng	# 15
54) 2,4-Dinitrophenol	10.06	184	111	6.524	ng	# 23
57) 2,4-Dinitrotoluene	9.76	165	32185	7.327	ng	# 18
75) Fluoranthene	12.45	202	49374	2.169	ng	97

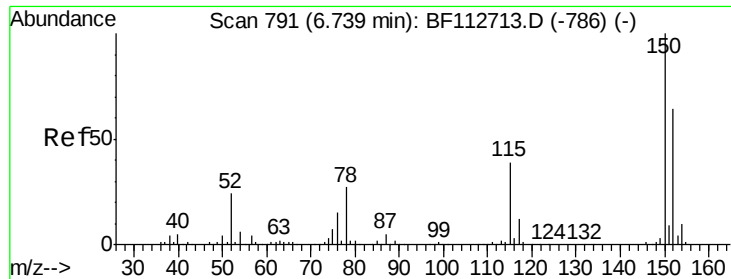
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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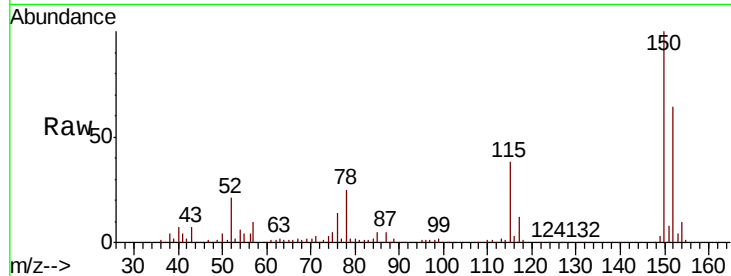


#1

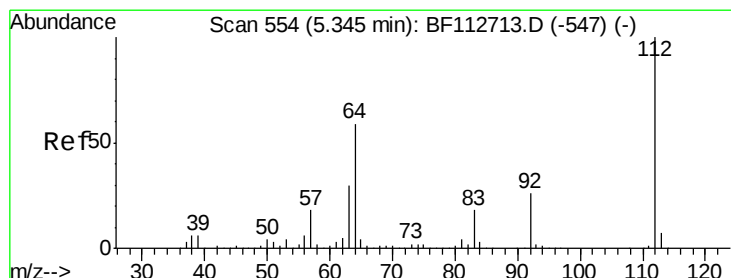
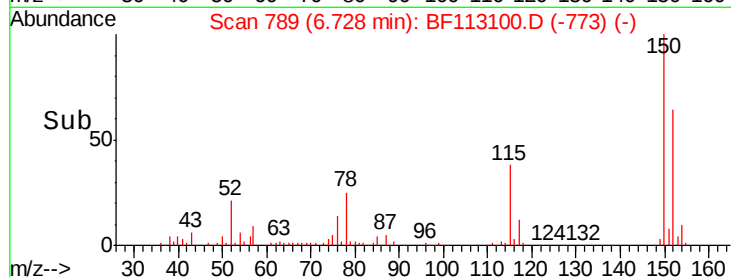
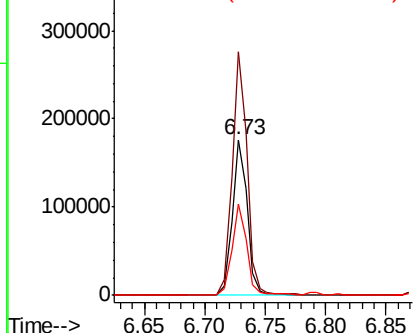
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113100.D
Acq: 18 Mar 2019 19:44

Instrument :
BNA_F
ClientSampleId :
HR-05-031519-C

Tgt Ion:152 Resp: 152236
Ion Ratio Lower Upper
152 100
150 156.6 124.2 186.2
115 59.0 48.2 72.4



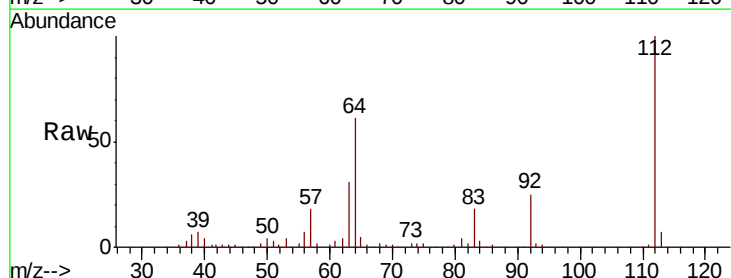
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



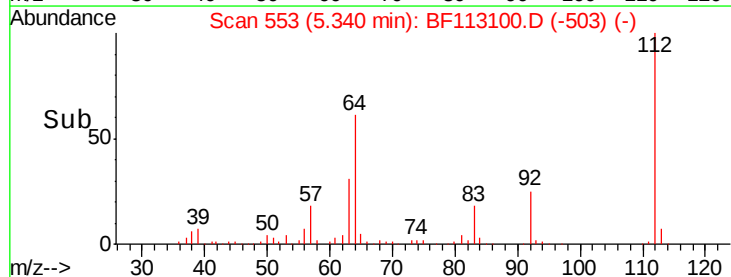
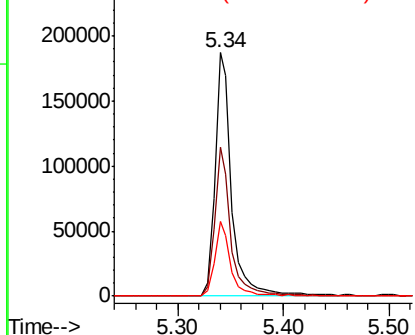
#5

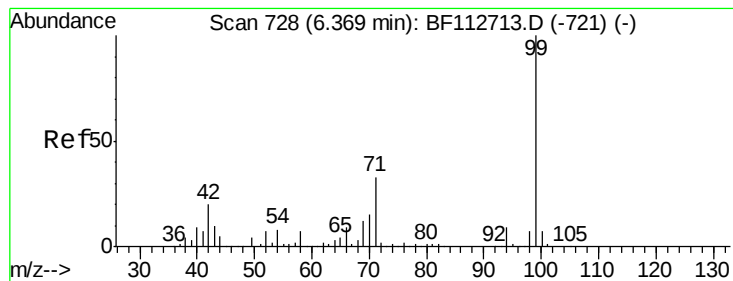
2-Fluorophenol
Concen: 21.327 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113100.D
Acq: 18 Mar 2019 19:44

Tgt Ion:112 Resp: 208722
Ion Ratio Lower Upper
112 100
64 61.3 47.6 71.4
63 30.9 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: 23.988 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113100.D

Acq: 18 Mar 2019 19:44

Instrument :

BNA_F

ClientSampleId :

HR-05-031519-C

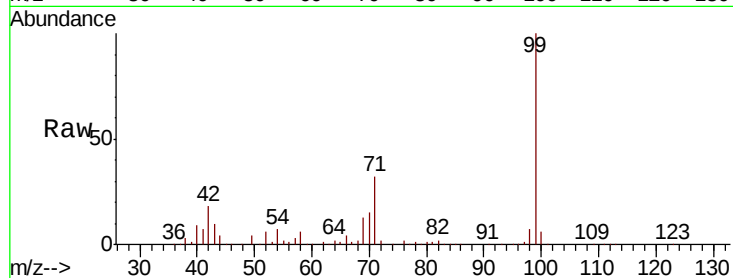
Tgt Ion: 99 Resp: 294906

Ion Ratio Lower Upper

99 100

42 18.3 16.3 24.5

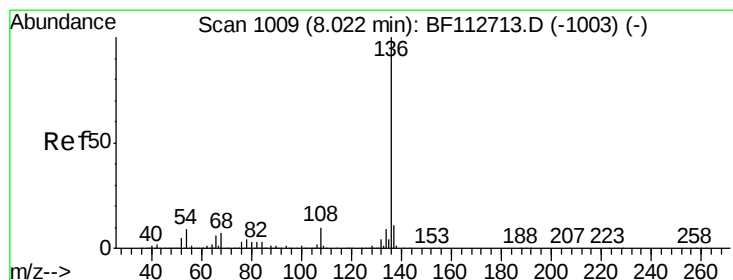
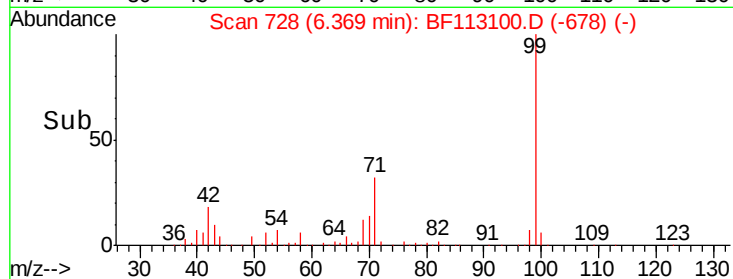
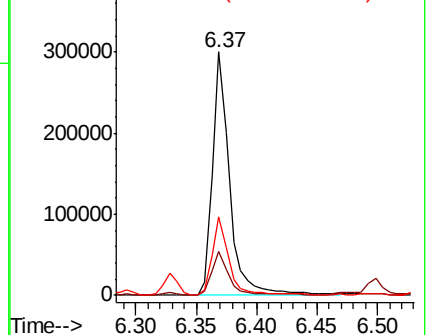
71 32.1 26.2 39.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF113100.D

Acq: 18 Mar 2019 19:44

Tgt Ion: 136 Resp: 510193

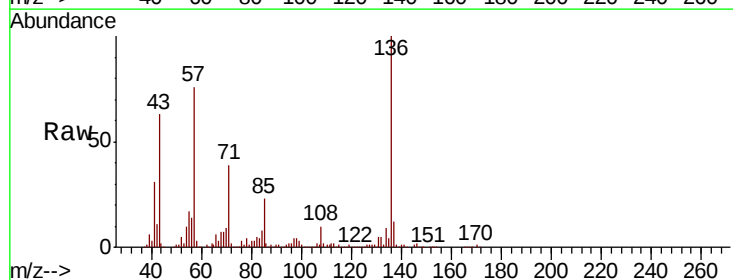
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 10.3 7.3 10.9

68 7.3 5.4 8.2

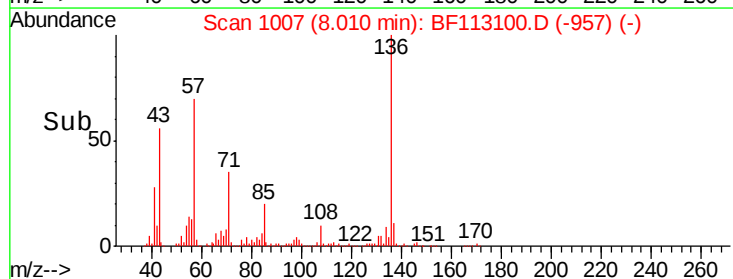
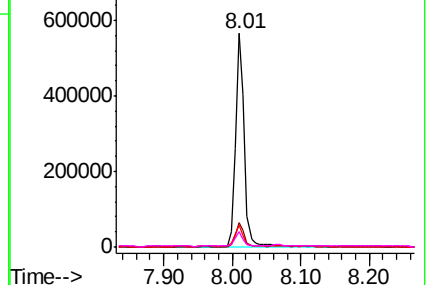


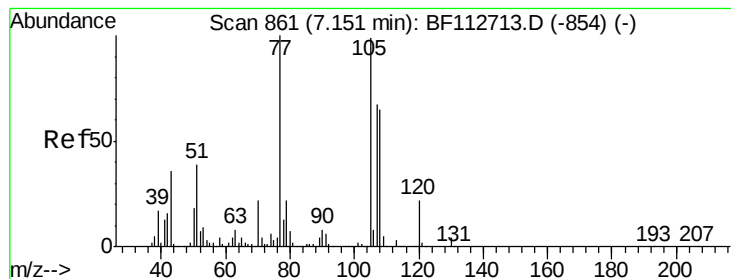
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 3.254 ng

RT: 7.13 min Scan# 857

Delta R.T. -0.02 min

Lab File: BF113100.D

Acq: 18 Mar 2019 19:44

Instrument :

BNA_F

ClientSampleId :

HR-05-031519-C

Tgt Ion: 105 Resp: 38816

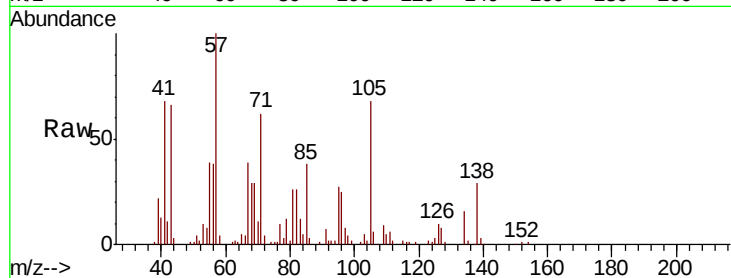
Ion Ratio Lower Upper

105 100

71 92.0 3.0 4.4#

51 6.6 31.5 47.3#

120 0.0 18.1 27.1#

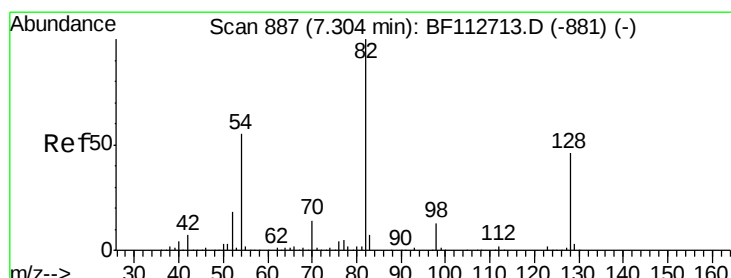
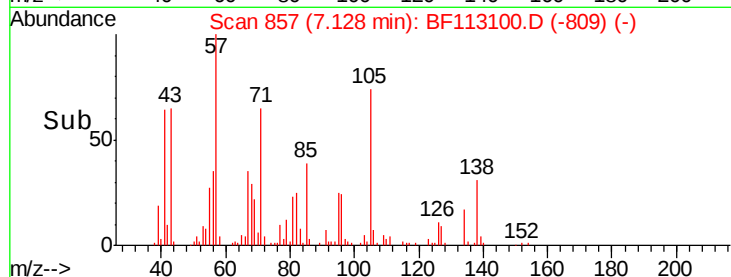
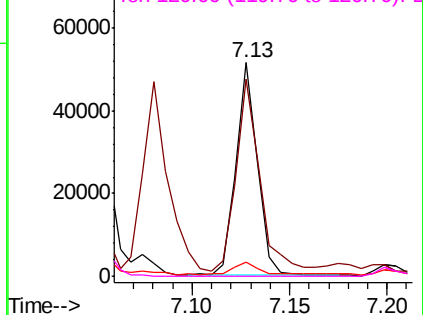


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 22.089 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF113100.D

Acq: 18 Mar 2019 19:44

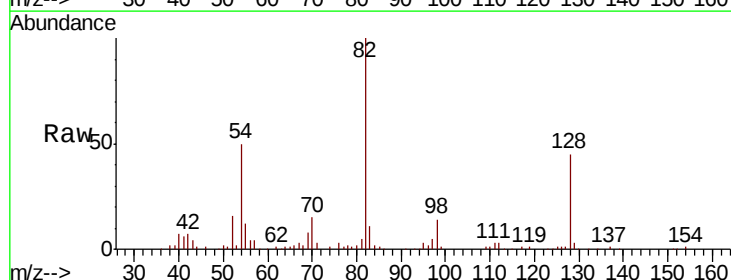
Tgt Ion: 82 Resp: 188332

Ion Ratio Lower Upper

82 100

128 45.1 36.3 54.5

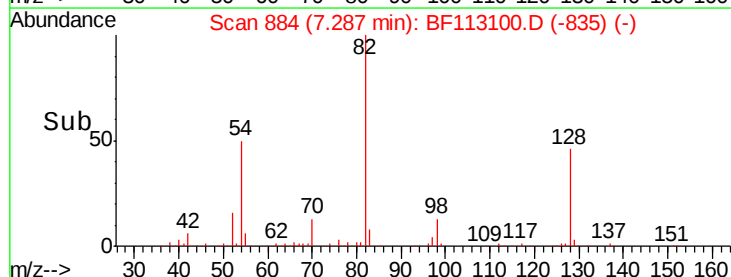
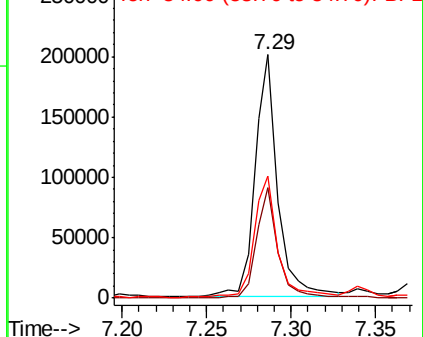
54 50.3 43.7 65.5

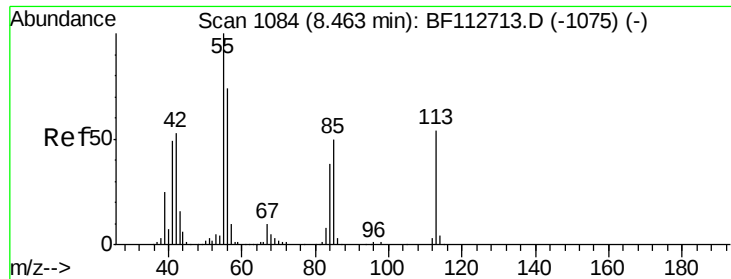


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

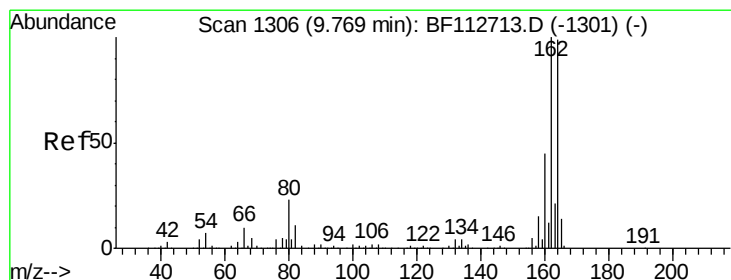
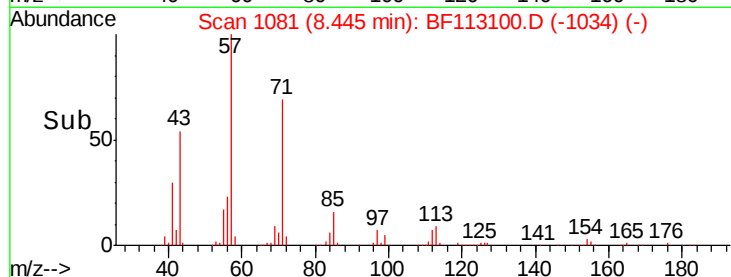
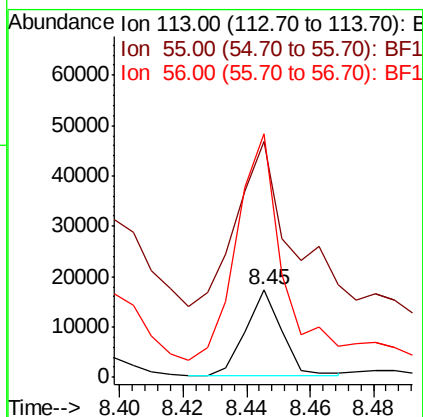
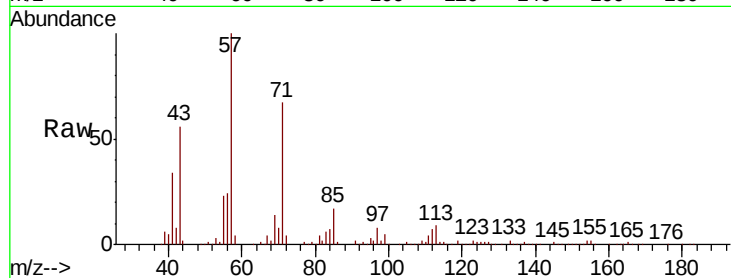




#35
 Caprolactam
 Concen: 5.368 ng
 RT: 8.45 min Scan# 1081
 Delta R.T. -0.02 min
 Lab File: BF113100.D
 Acq: 18 Mar 2019 19:44

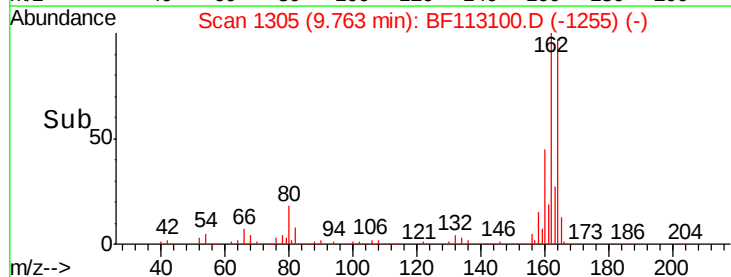
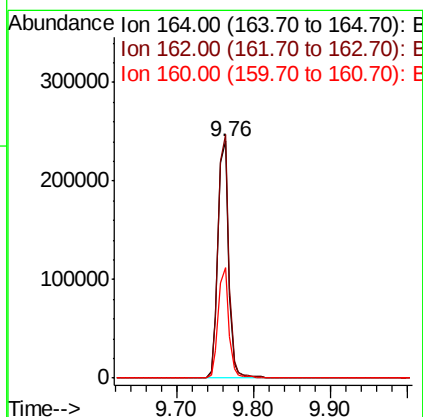
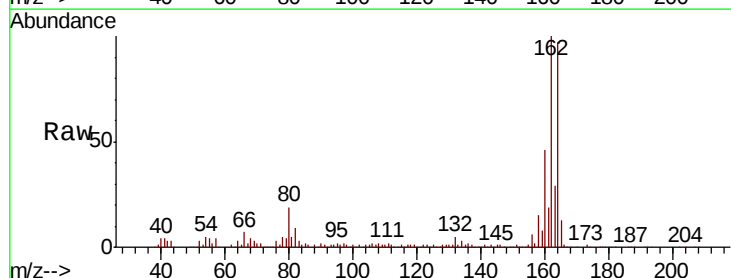
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-031519-C

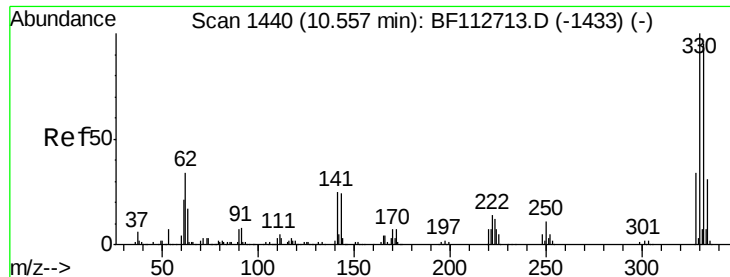
Tgt Ion:113 Resp: 13474
 Ion Ratio Lower Upper
 113 100
 55 269.5 163.5 203.5#
 56 277.9 115.3 155.3#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF113100.D
 Acq: 18 Mar 2019 19:44

Tgt Ion:164 Resp: 230136
 Ion Ratio Lower Upper
 164 100
 162 102.9 80.6 120.8
 160 46.9 36.0 54.0

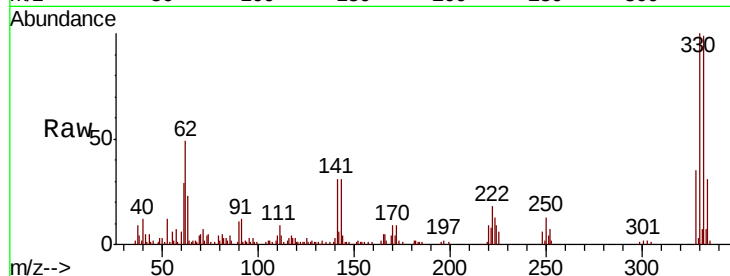




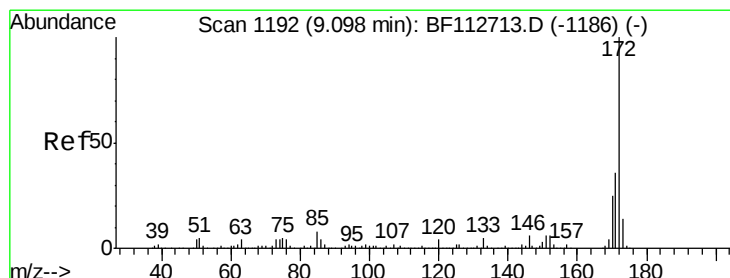
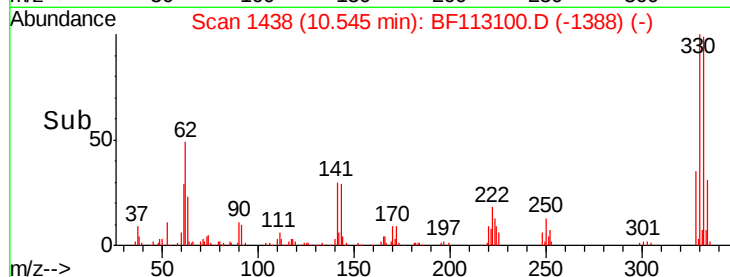
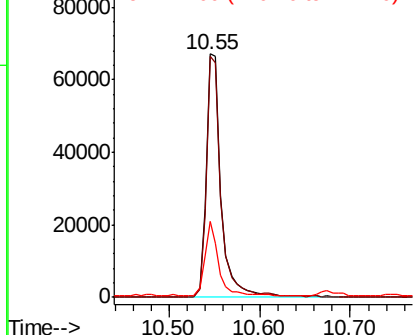
#42
 2,4,6-Tribromophenol
 Concen: 32.178 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113100.D
 Acq: 18 Mar 2019 19:44

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-031519-C

Tgt Ion:330 Resp: 78617
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.2 114.4
 141 26.5 27.0 40.6#

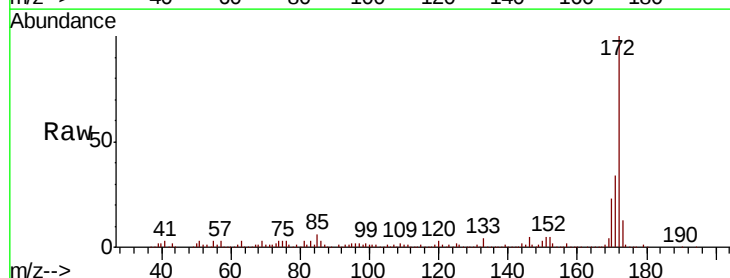


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

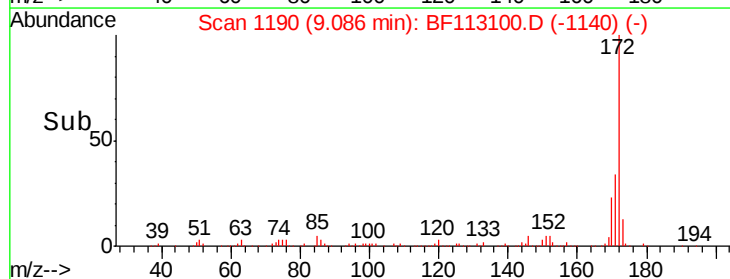
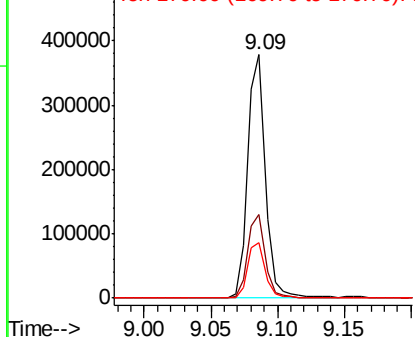


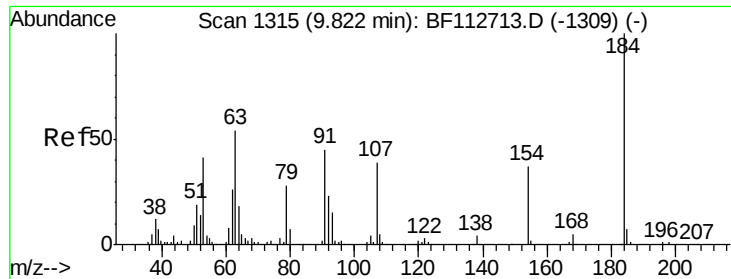
#45
 2-Fluorobiphenyl
 Concen: 19.579 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113100.D
 Acq: 18 Mar 2019 19:44

Tgt Ion:172 Resp: 342862
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.0 43.4
 170 22.9 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

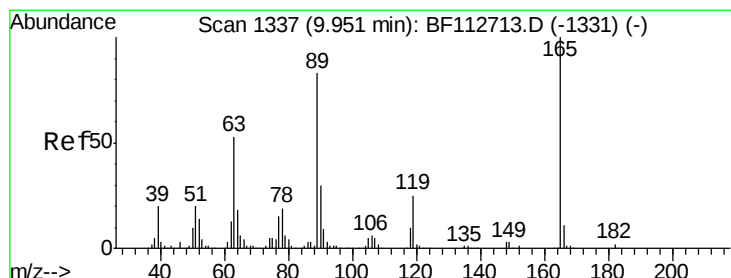
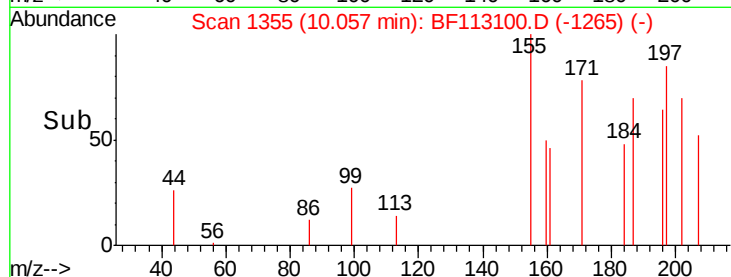
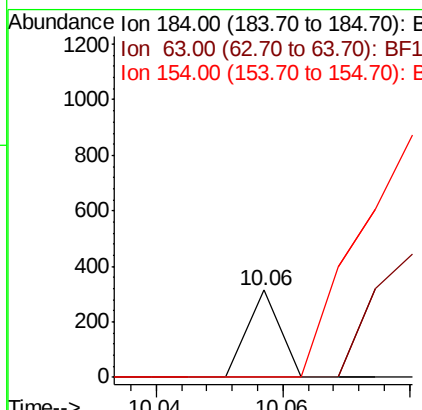
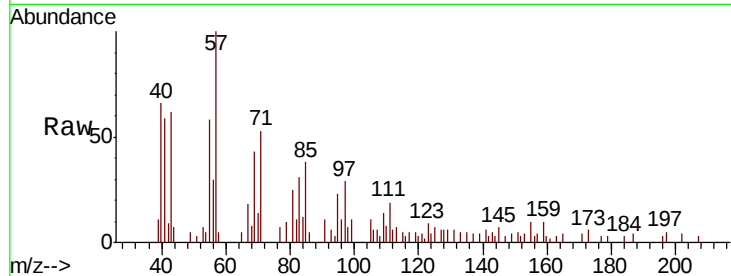




#54
 2,4-Dinitrophenol
 Concen: 6.524 ng
 RT: 10.06 min Scan# 1355
 Delta R.T. 0.23 min
 Lab File: BF113100.D
 Acq: 18 Mar 2019 19:44

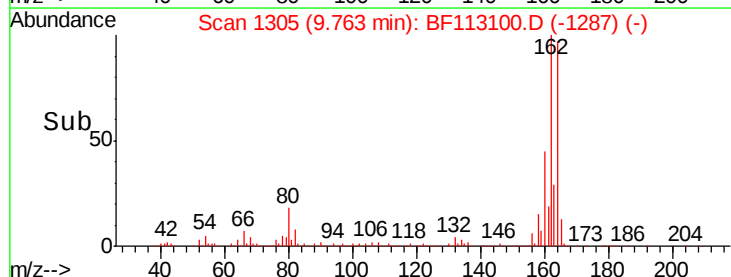
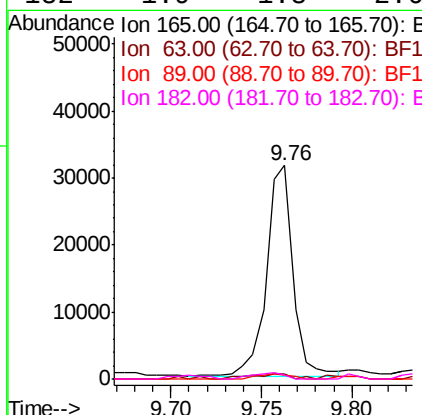
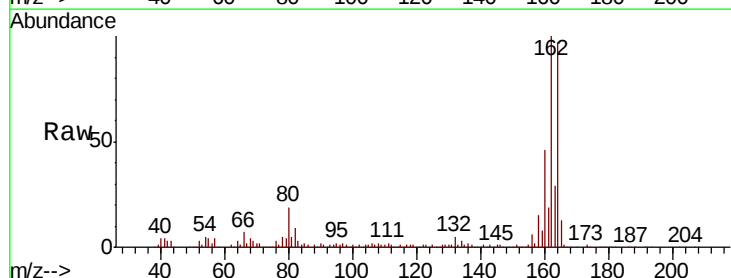
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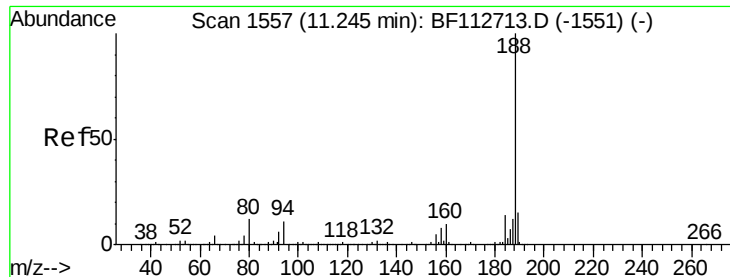
Tgt Ion:184 Resp: 111
 Ion Ratio Lower Upper
 184 100
 63 0.0 45.3 67.9#
 154 0.0 46.0 69.0#



#57
 2,4-Dinitrotoluene
 Concen: 7.327 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF113100.D
 Acq: 18 Mar 2019 19:44

Tgt Ion:165 Resp: 32185
 Ion Ratio Lower Upper
 165 100
 63 2.2 42.2 63.2#
 89 1.6 66.2 99.4#
 182 1.9 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: BF113100.D

Acq: 18 Mar 2019 19:44

Instrument :

BNA_F

ClientSampleId :

HR-05-031519-C

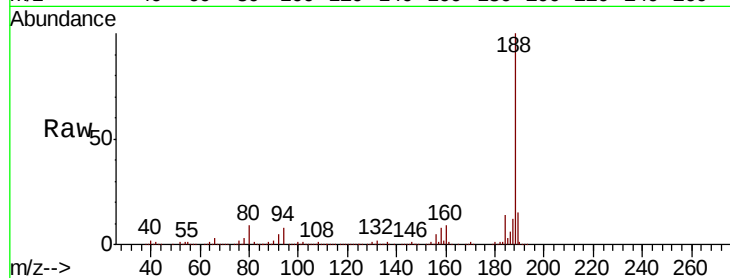
Tgt Ion:188 Resp: 426996

Ion Ratio Lower Upper

188 100

94 8.5 9.0 13.4#

80 9.2 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

11.24

600000

500000

400000

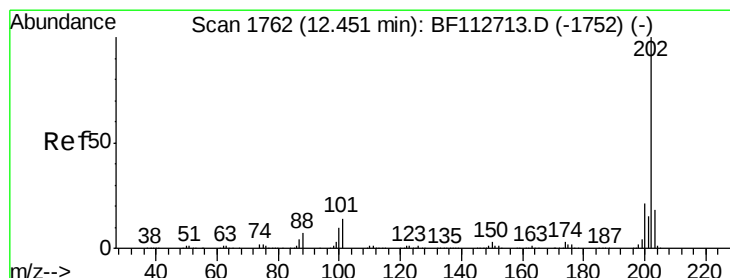
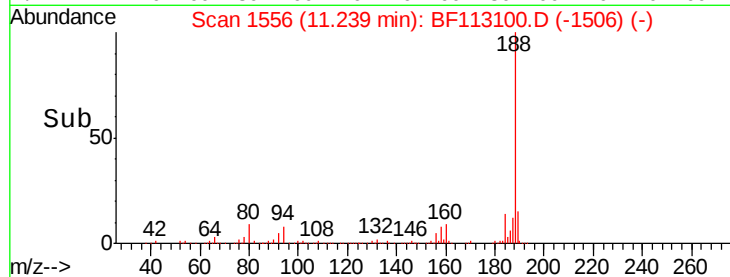
300000

200000

100000

0

Time-->



#75

Fluoranthene

Concen: 2.169 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113100.D

Acq: 18 Mar 2019 19:44

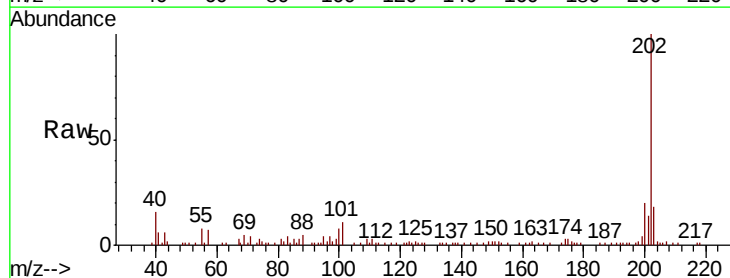
Tgt Ion:202 Resp: 49374

Ion Ratio Lower Upper

202 100

101 10.6 0.0 33.8

203 18.4 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.45

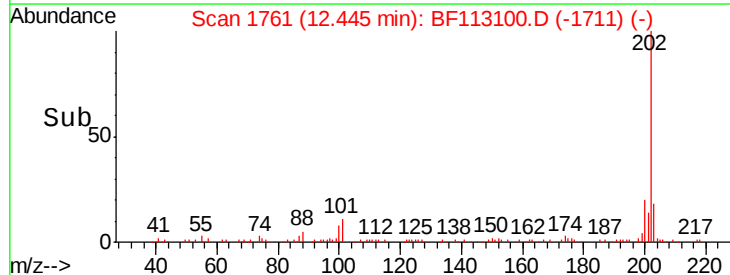
60000

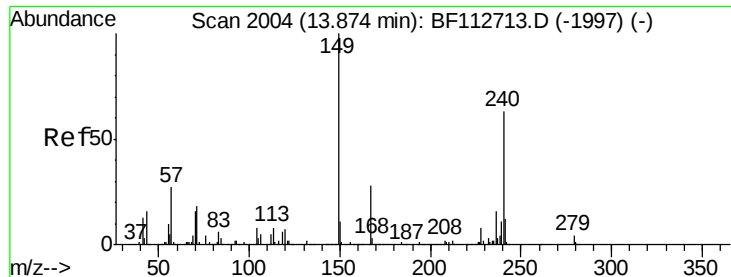
40000

20000

0

Time-->

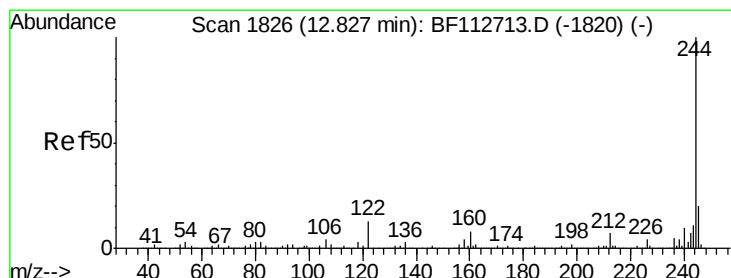
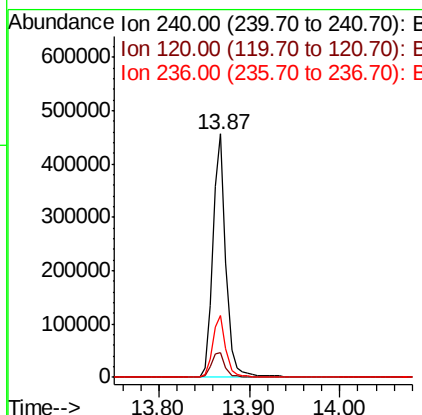
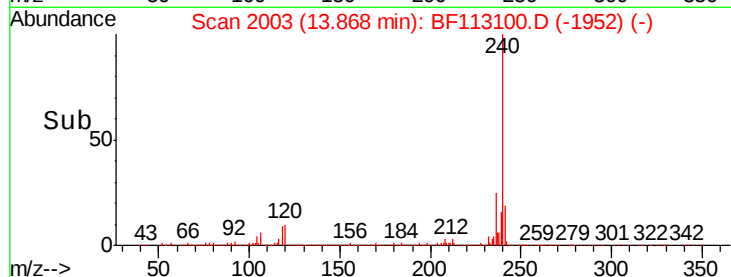
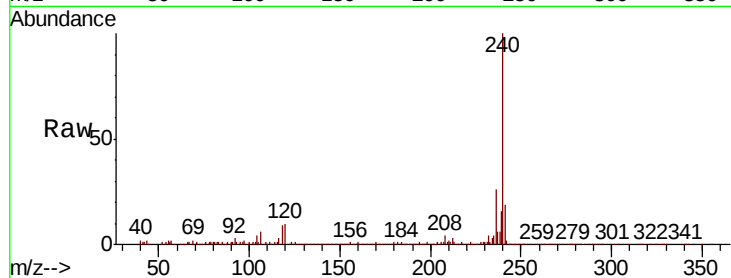




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF113100.D
Acq: 18 Mar 2019 19:44

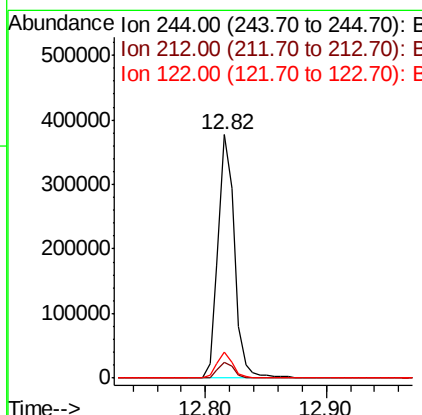
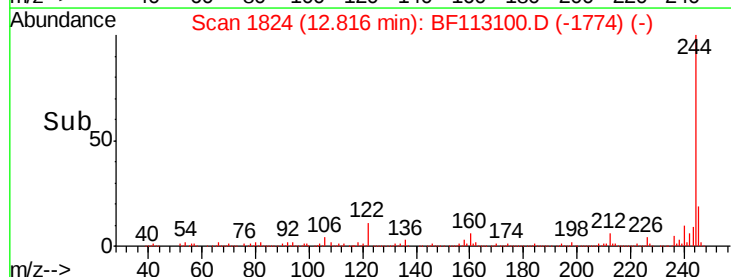
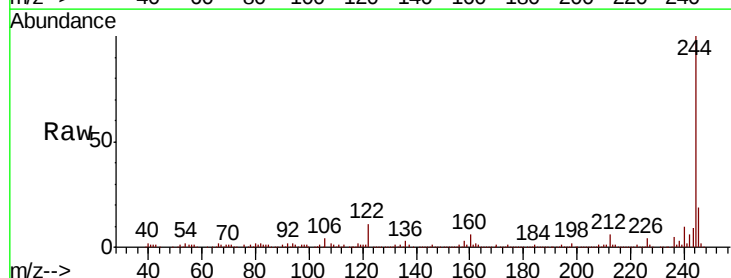
Instrument :
BNA_F
ClientSampleId :
HR-05-031519-C

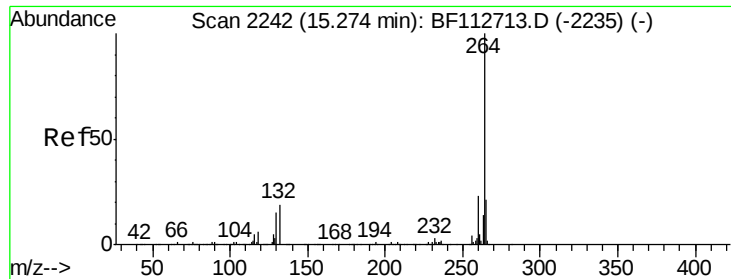
Tgt Ion:240 Resp: 458777
Ion Ratio Lower Upper
240 100
120 10.1 8.9 13.3
236 25.5 20.7 31.1



#79
Terphenyl-d14
Concen: 14.958 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF113100.D
Acq: 18 Mar 2019 19:44

Tgt Ion:244 Resp: 353996
Ion Ratio Lower Upper
244 100
212 6.3 5.6 8.4
122 10.7 10.5 15.7

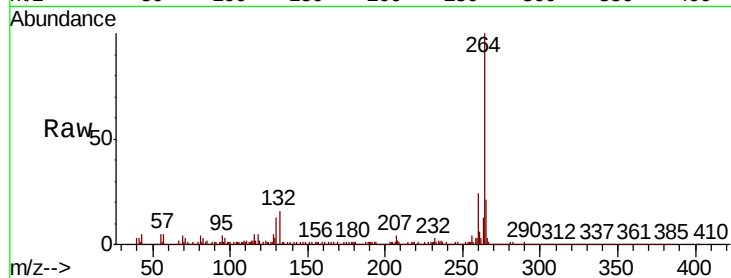




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF113100.D
Acq: 18 Mar 2019 19:44

Instrument :
BNA_F
ClientSampleId :
HR-05-031519-C

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	21.3	17.2	25.8



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

