

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
 Data File : BF117653.D
 Acq On : 31 Oct 2019 13:04
 Operator : JU
 Sample : K5540-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 18:41:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	32629	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	133750	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	70317	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	116821	20.00	ng	0.00
76) Chrysene-d12	13.90	240	87931	20.00	ng	0.00
87) Perylene-d12	15.34	264	74867	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	165295	75.37	ng	0.00
7) Phenol-d6	6.39	99	247828	84.13	ng	0.00
23) Nitrobenzene-d5	7.29	82	160075	59.08	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	47340	77.81	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	210576	42.19	ng	-0.01
79) Terphenyl-d14	12.83	244	201470	37.37	ng	0.00

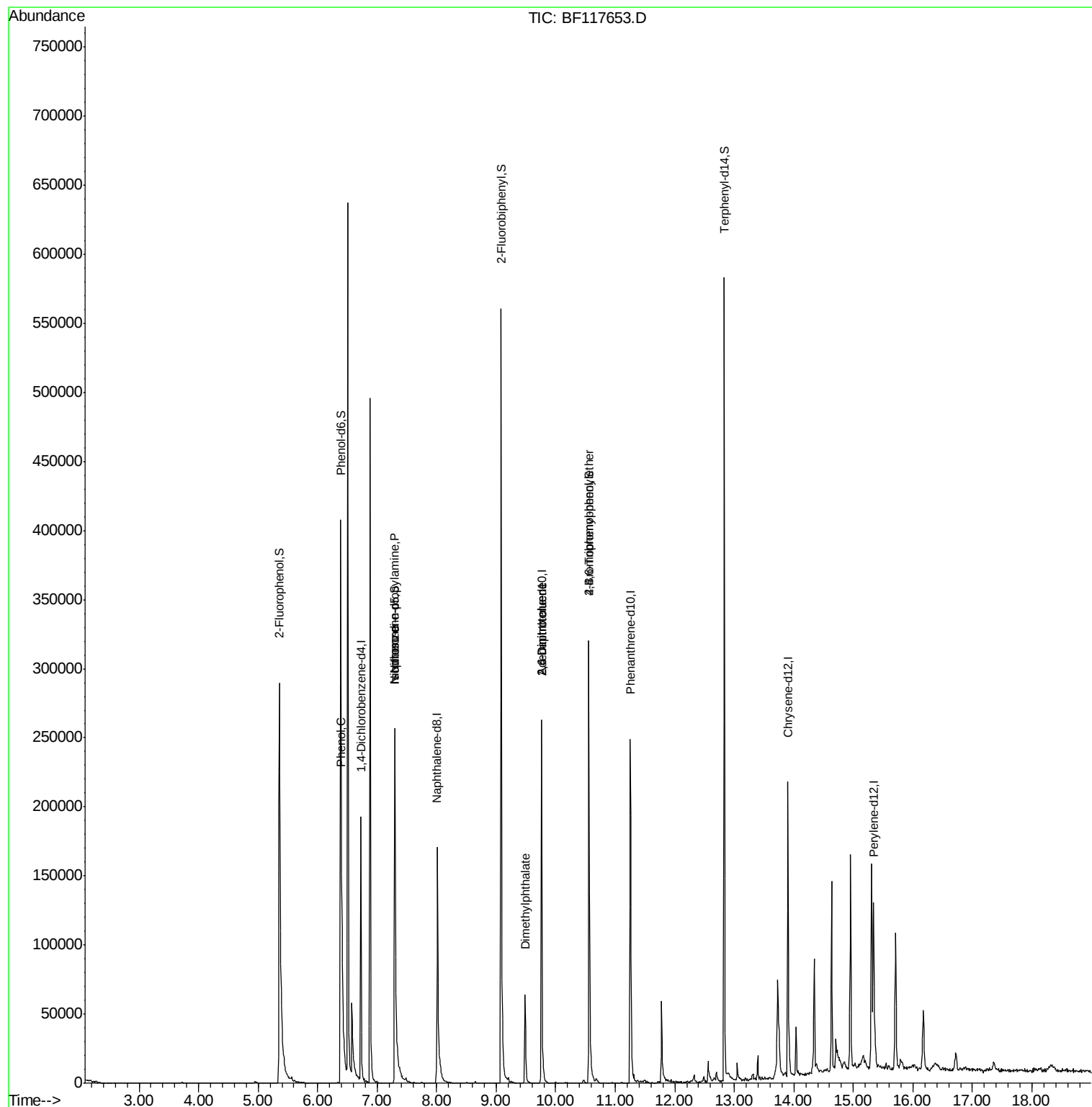
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	4505	Below Cal		# 80
10) Phenol	6.40	94	11015	3.664	ng	# 83
19) n-Nitroso-di-n-propylamine	7.29	70	19100	10.617	ng	# 80
25) Isophorone	7.29	82	160074	34.154	ng	# 65
50) Dimethylphthalate	9.49	163	37208	7.423	ng	# 99
51) 2,6-Dinitrotoluene	9.76	165	8527	8.152	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	8527	6.131	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	3006	2.389	ng	# 1
77) Benzidine	12.83	184	2605	Below Cal		# 75

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

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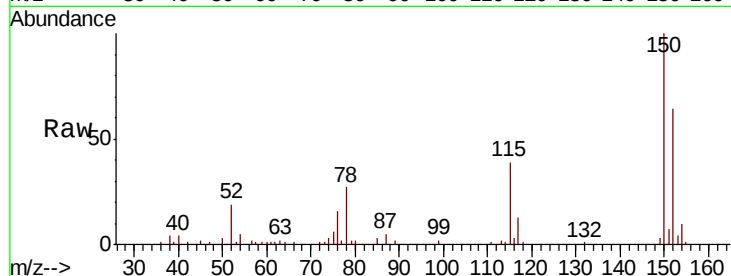


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117653.D
Acq: 31 Oct 2019 13:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.8	190.2
115	61.2	51.6	77.4

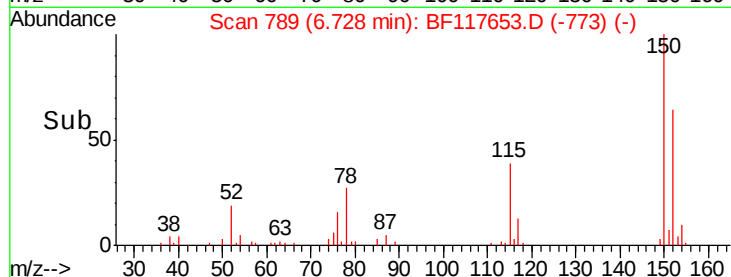
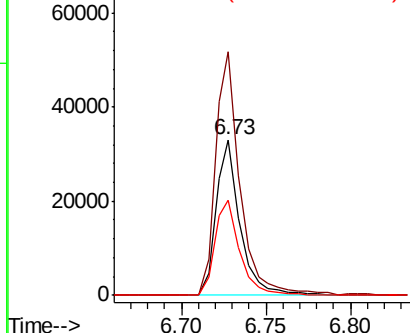


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

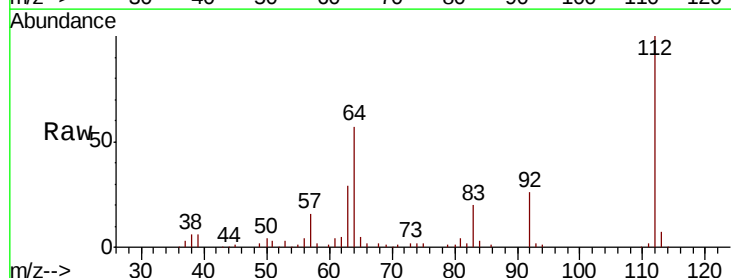
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 75.365 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117653.D
Acq: 31 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.1	66.1
63	28.9	23.4	35.2

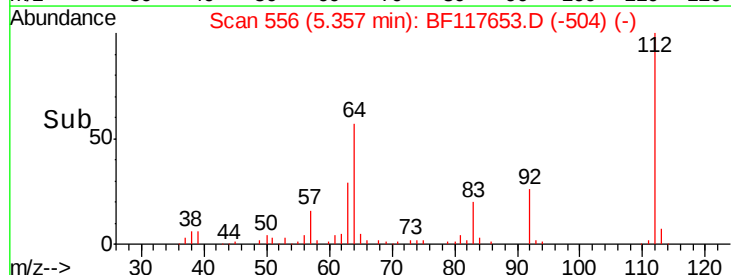
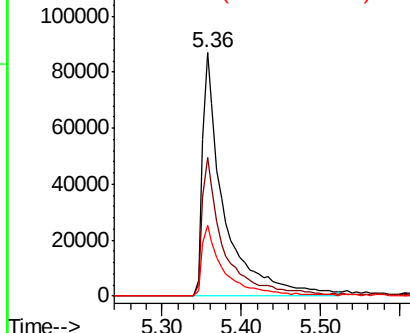


Abundance

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: 84.130 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117653.D

Acq: 31 Oct 2019 13:04

Instrument :

BNA_F

ClientSampleId :

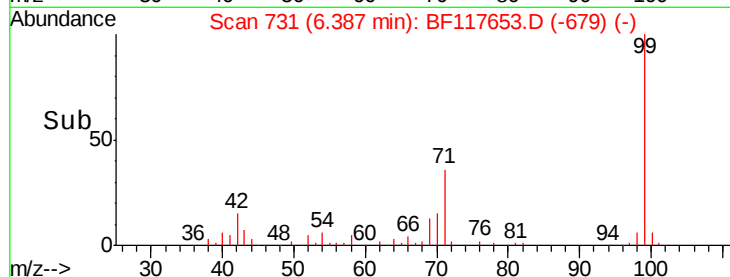
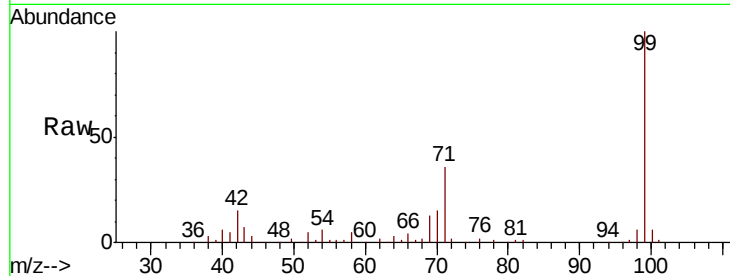
Tot Ion: 99 Resp: 247828

Ion Ratio Lower Upper

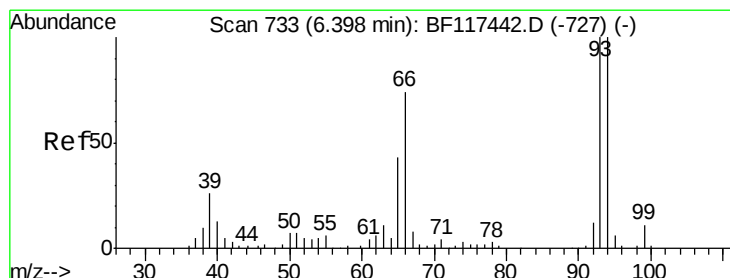
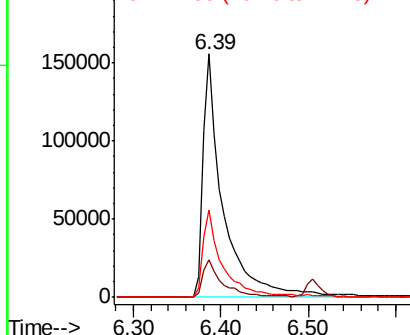
99 100

42 15.2 12.8 19.2

71 35.8 28.6 43.0



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



#10

Phenol

Concen: 3.664 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF117653.D

Acq: 31 Oct 2019 13:04

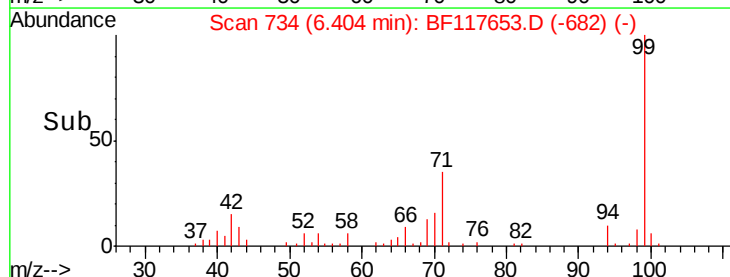
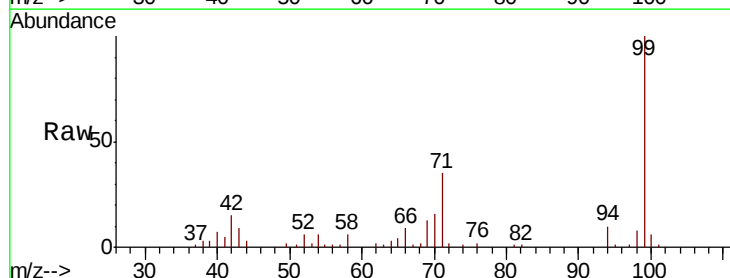
Tgt Ion: 94 Resp: 11015

Ion Ratio Lower Upper

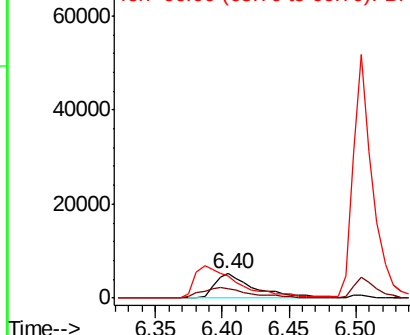
94 100

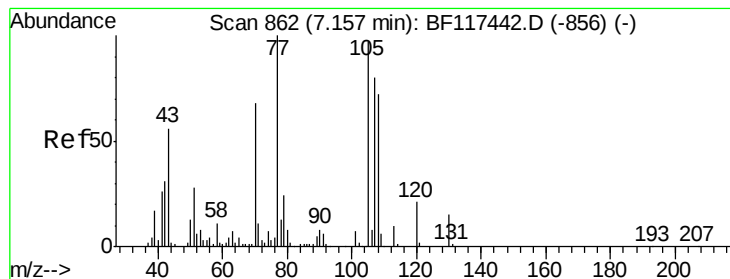
65 38.9 23.4 63.4

66 93.4 54.7 94.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.617 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117653.D

Acq: 31 Oct 2019 13:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 19100

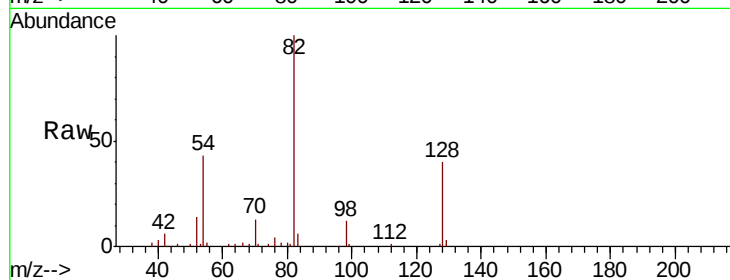
Ion Ratio Lower Upper

70 100

42 42.6 36.7 55.1

101 0.0 8.3 12.5#

130 0.0 18.1 27.1#

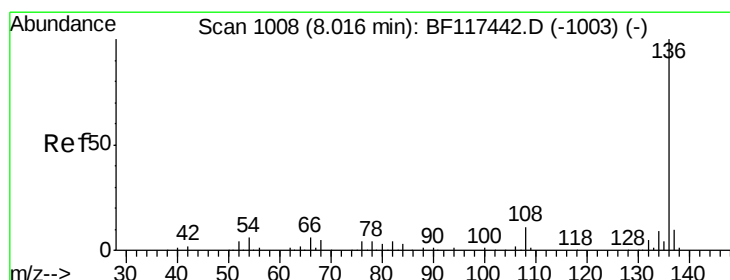
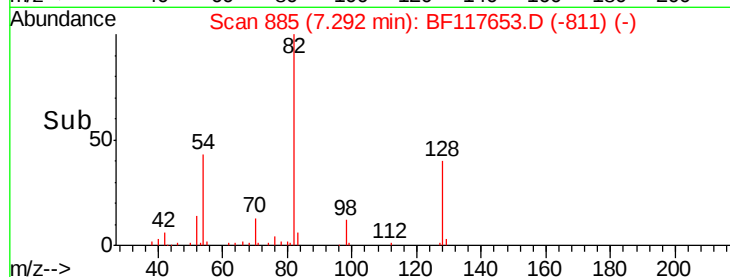
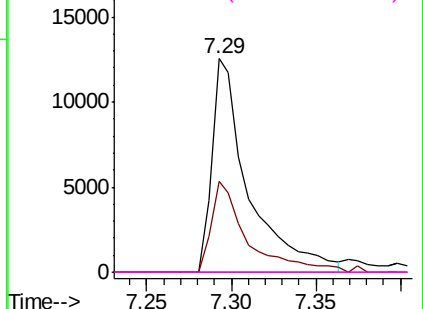


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117653.D

Acq: 31 Oct 2019 13:04

Tgt Ion:136 Resp: 133750

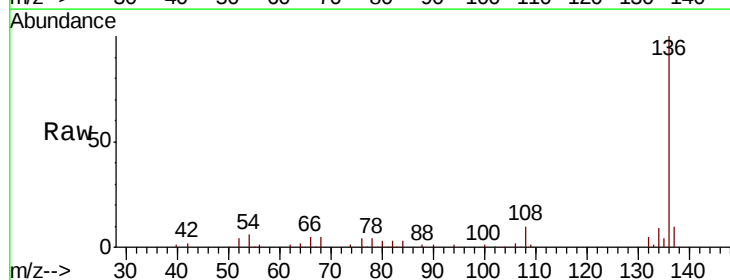
Ion Ratio Lower Upper

136 100

137 10.3 8.2 12.4

54 5.9 4.5 6.7

68 4.8 4.3 6.5

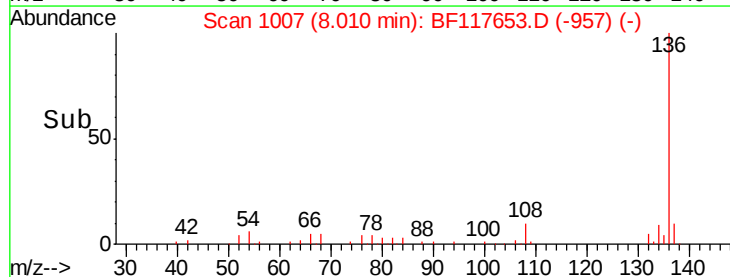
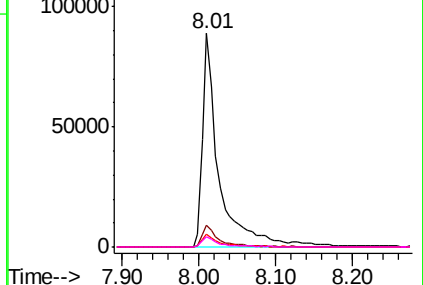


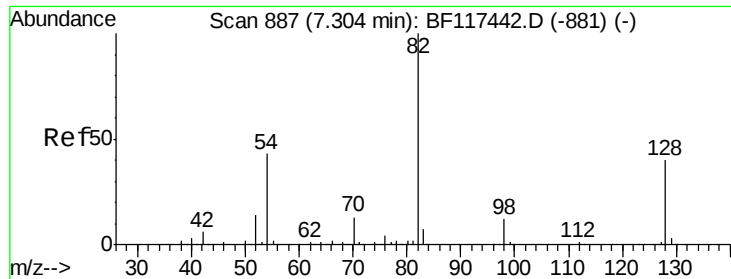
Abundance Ion 136.00 (135.70 to 136.70): E

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

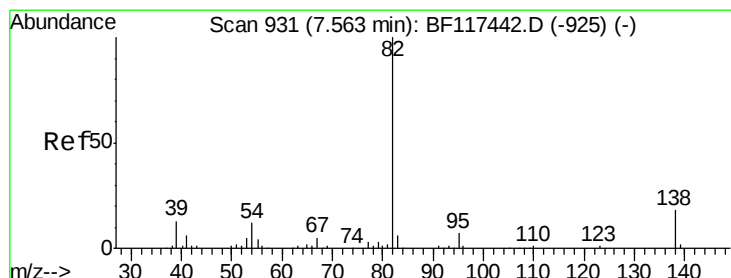
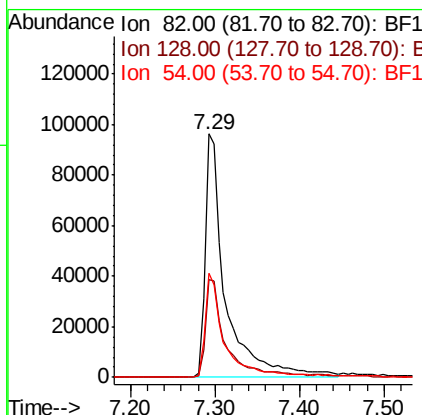
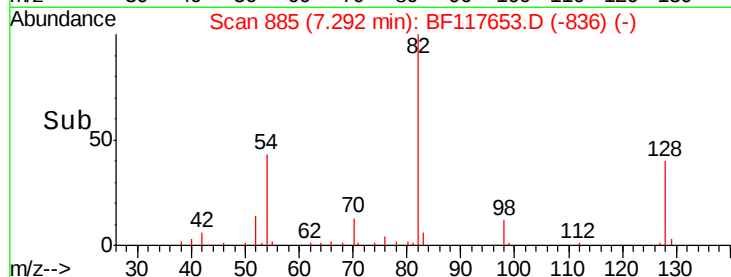
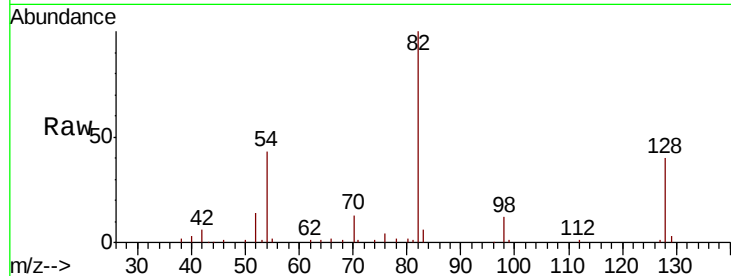




#23
 Nitrobenzene-d5
 Concen: 59.085 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117653.D
 Acq: 31 Oct 2019 13:04

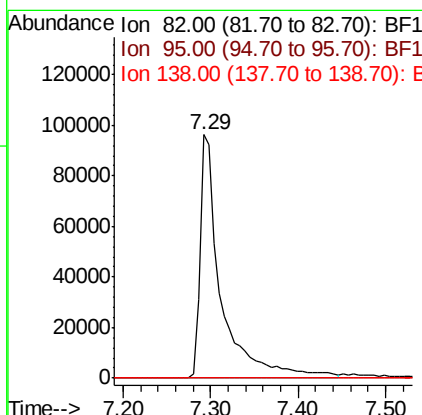
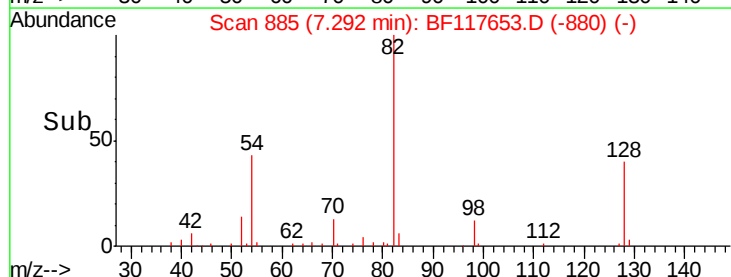
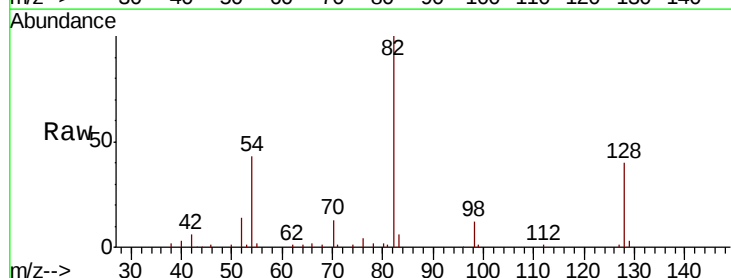
Instrument :
 BNA_F
 ClientSampleId :

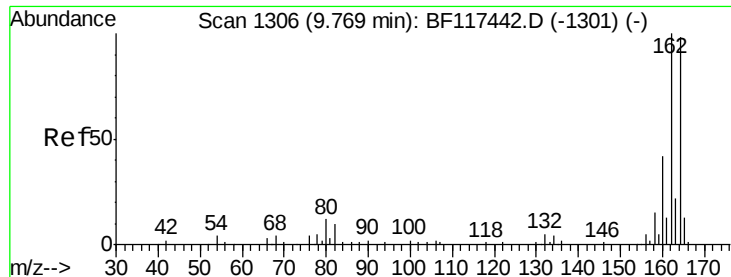
Tot Ion: 82 Resp: 160075
 Ion Ratio Lower Upper
 82 100
 128 39.9 32.2 48.2
 54 42.8 34.2 51.2



#25
 Isophorone
 Concen: 34.154 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.27 min
 Lab File: BF117653.D
 Acq: 31 Oct 2019 13:04

Tgt Ion: 82 Resp: 160074
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 14.2 21.2#

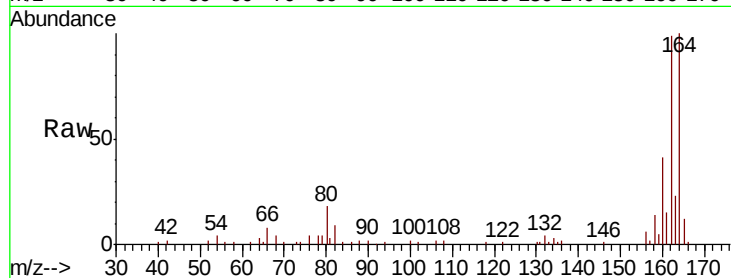




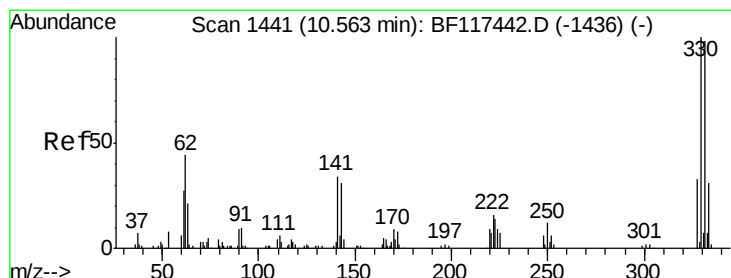
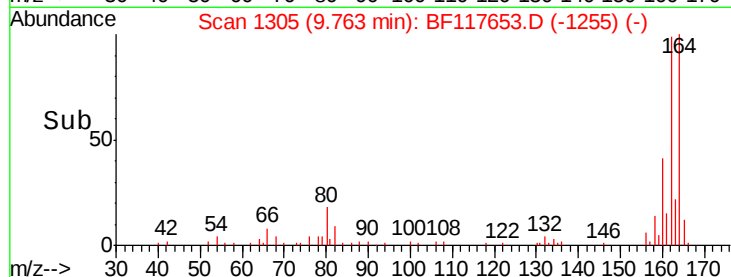
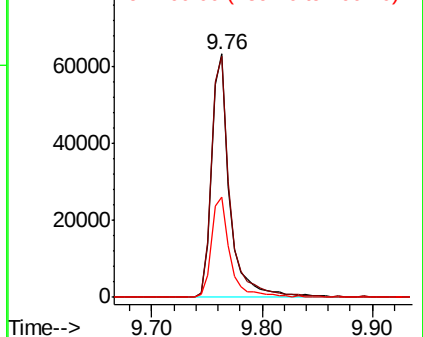
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117653.D
Acq: 31 Oct 2019 13:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 70317
Ion Ratio Lower Upper
164 100
162 99.1 81.8 122.6
160 41.0 34.4 51.6

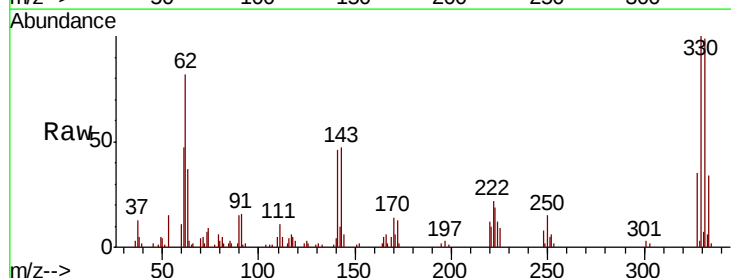


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

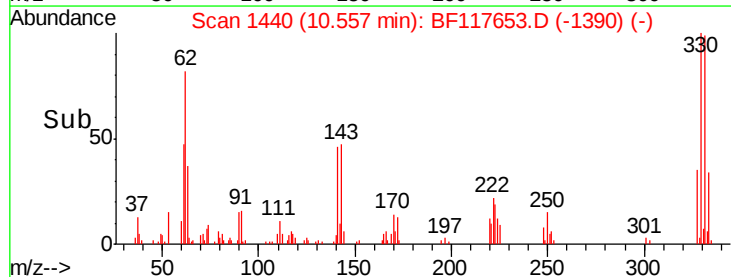
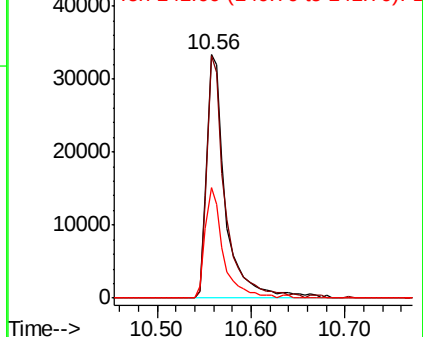


#42
2,4,6-Tribromophenol
Concen: 77.808 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117653.D
Acq: 31 Oct 2019 13:04

Tgt Ion:330 Resp: 47340
Ion Ratio Lower Upper
330 100
332 96.2 78.5 117.7
141 43.1 37.0 55.6



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

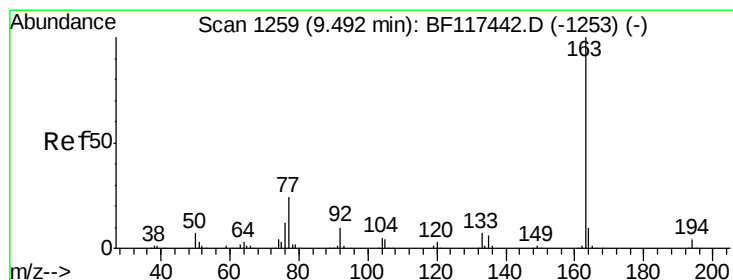
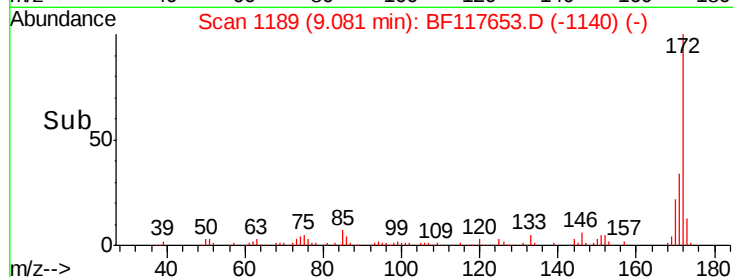
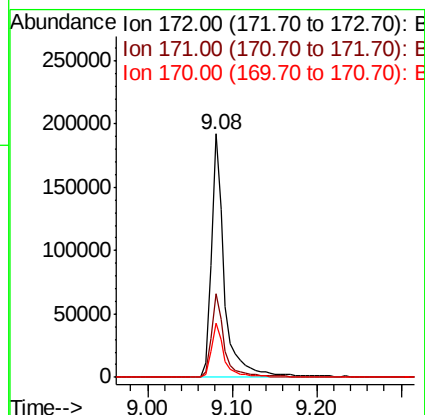
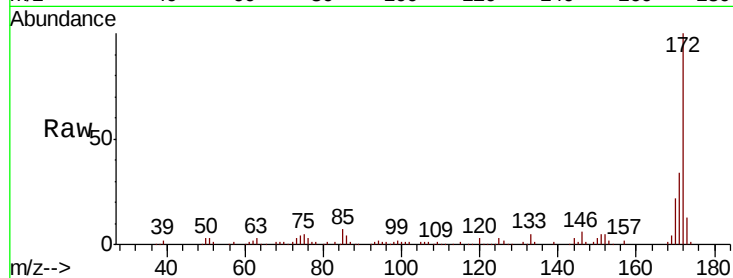




#45
2-Fluorobiphenyl
Concen: 42.195 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117653.D
Acq: 31 Oct 2019 13:04

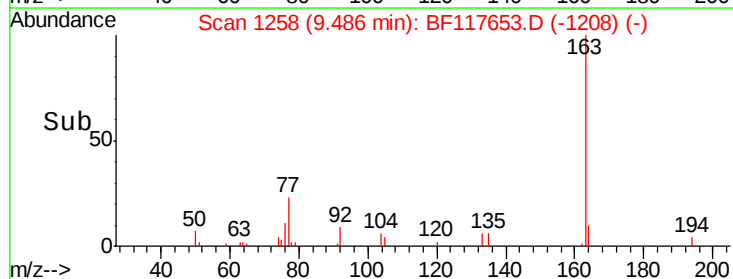
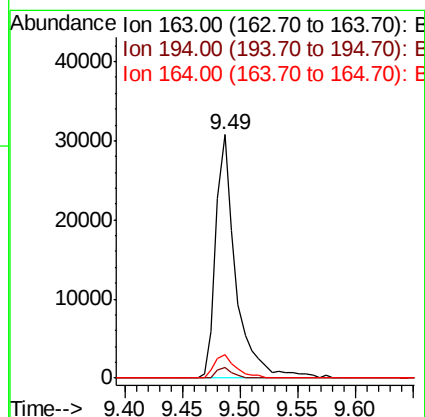
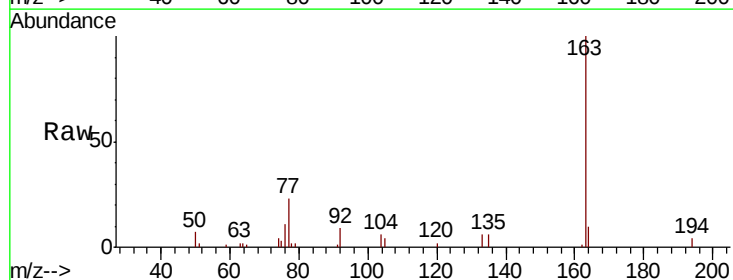
Instrument :
BNA_F
ClientSampled :

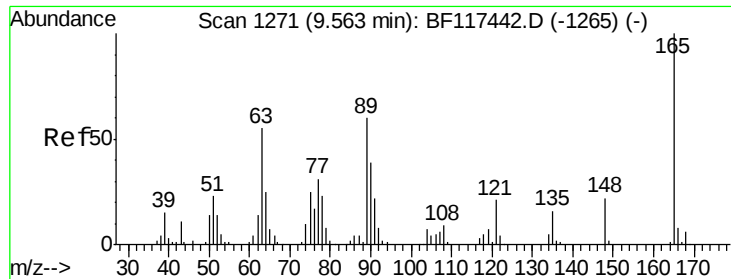
Tot Ion:172 Resp: 210576
Ion Ratio Lower Upper
172 100
171 34.5 27.5 41.3
170 22.5 18.6 27.8



#50
Dimethylphthalate
Concen: 7.423 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117653.D
Acq: 31 Oct 2019 13:04

Tgt Ion:163 Resp: 37208
Ion Ratio Lower Upper
163 100
194 4.2 2.9 4.3
164 9.8 8.2 12.2

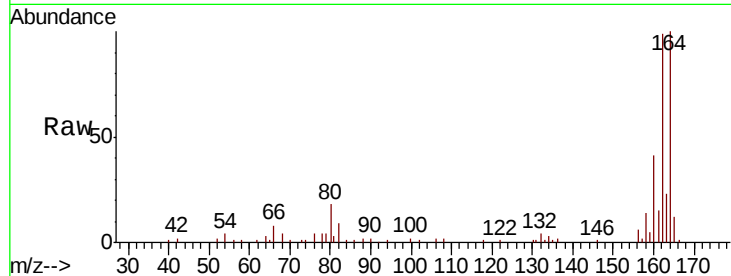




#51
 2,6-Dinitrotoluene
 Concen: 8.152 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117653.D
 Acq: 31 Oct 2019 13:04

Instrument :
 BNA_F
 ClientSampleId :

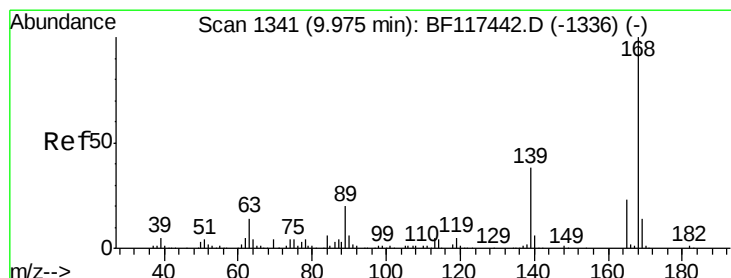
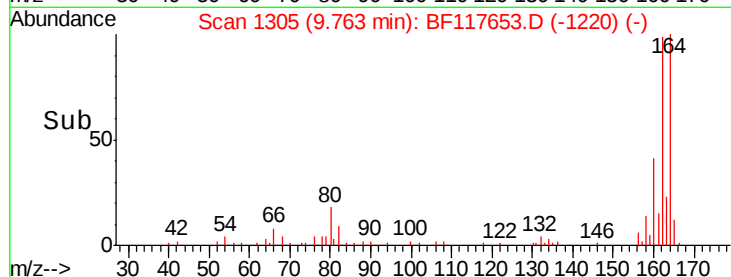
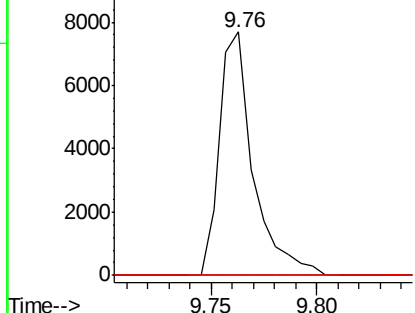
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#



Abundance Ion 165.00 (164.70 to 165.70): E

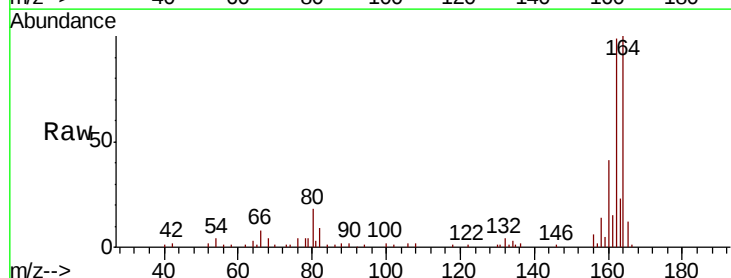
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 6.131 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117653.D
 Acq: 31 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.0#
89	0.0	69.9	104.9#
182	0.0	1.9	2.9#

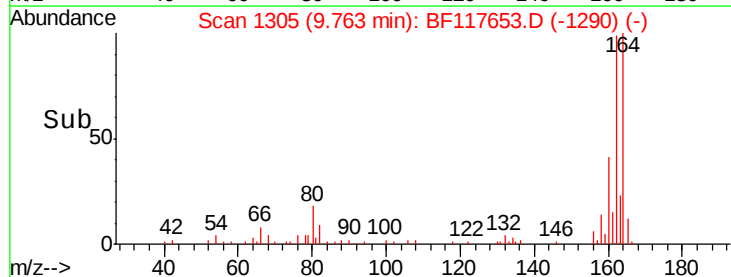
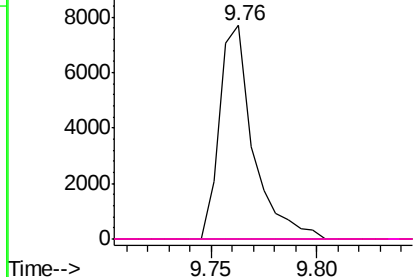


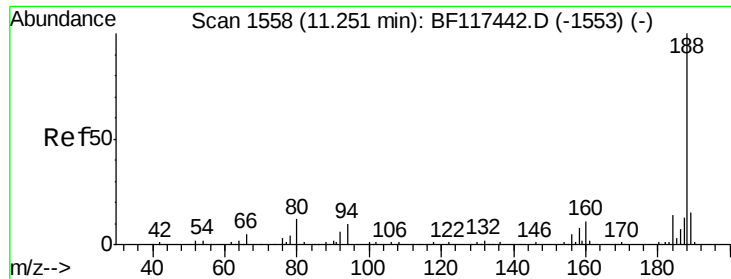
Abundance Ion 165.00 (164.70 to 165.70): E

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

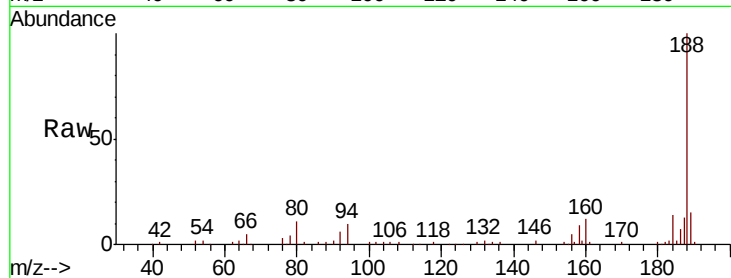




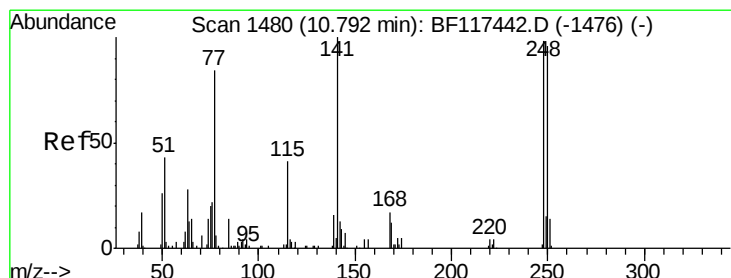
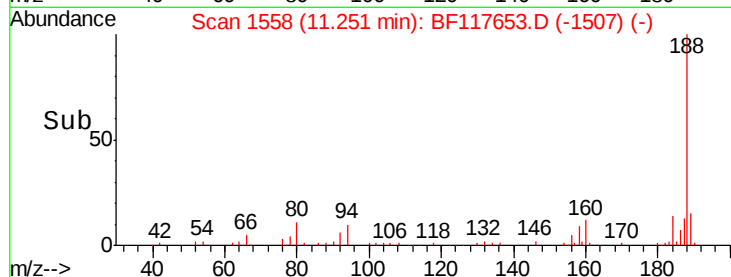
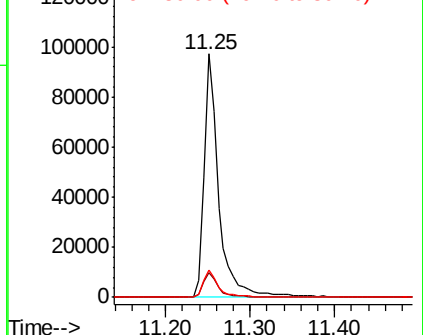
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF117653.D
Acq: 31 Oct 2019 13:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 116821
Ion Ratio Lower Upper
188 100
94 10.4 8.0 12.0
80 11.4 9.5 14.3

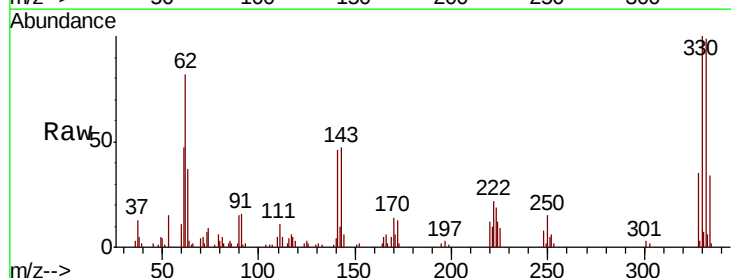


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

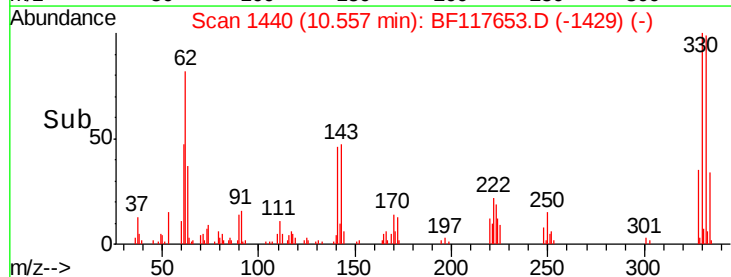
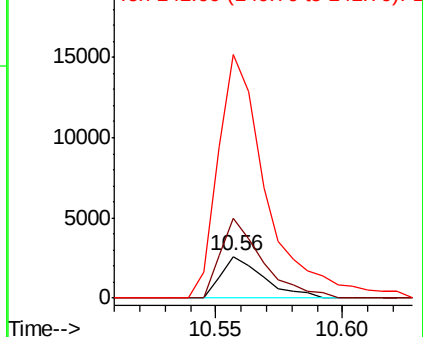


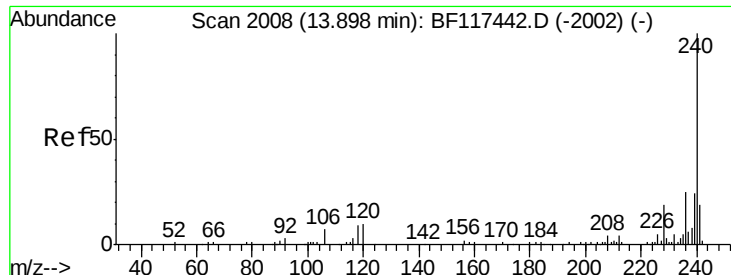
#67
4-Bromophenyl-phenylether
Concen: 2.389 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF117653.D
Acq: 31 Oct 2019 13:04

Tgt Ion:248 Resp: 3006
Ion Ratio Lower Upper
248 100
250 191.8 78.0 117.0#
141 582.1 81.7 122.5#



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

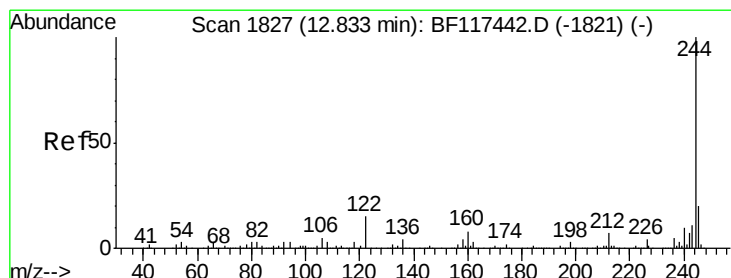
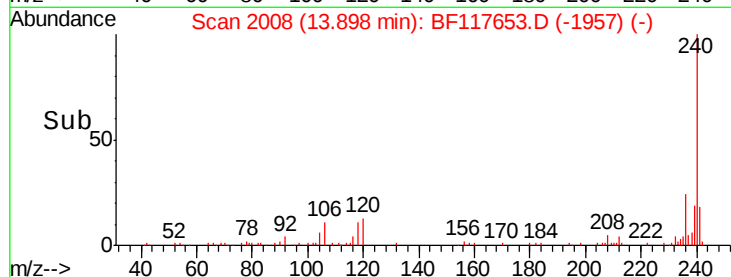
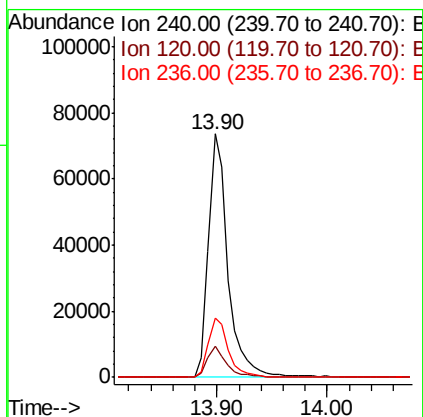
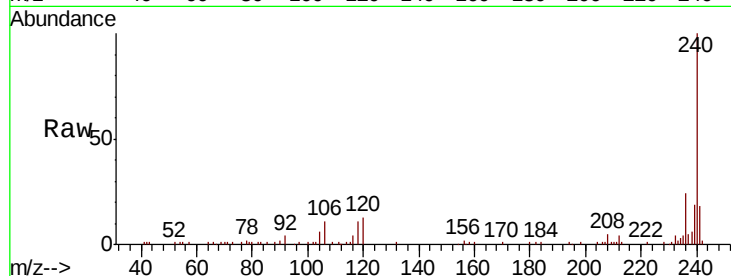




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF117653.D
Acq: 31 Oct 2019 13:04

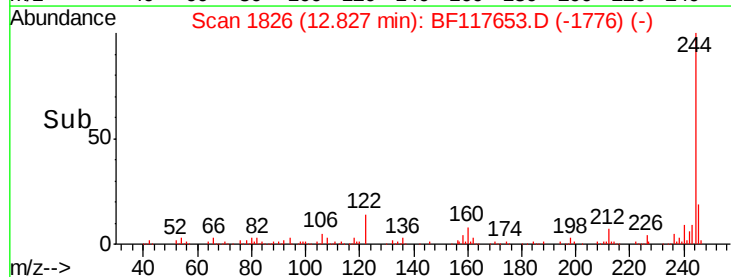
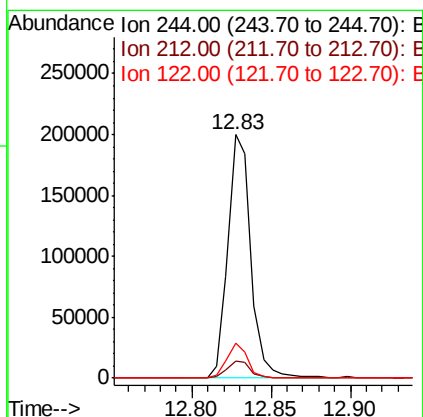
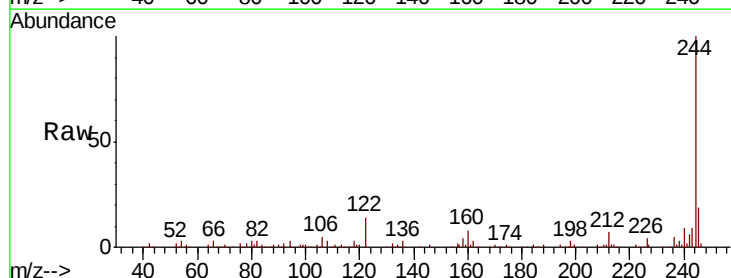
Instrument :
BNA_F
ClientSampleId :

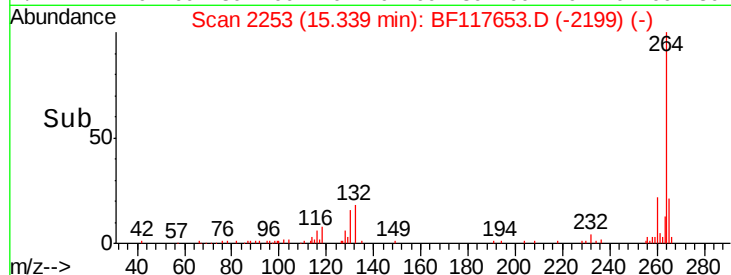
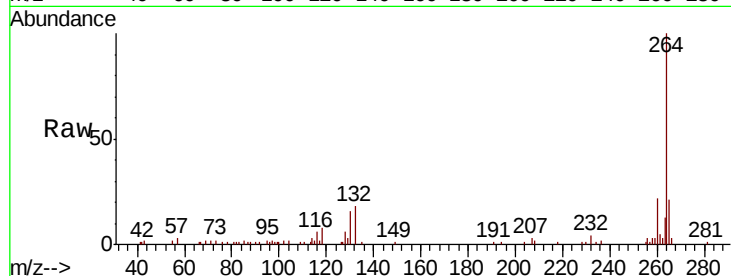
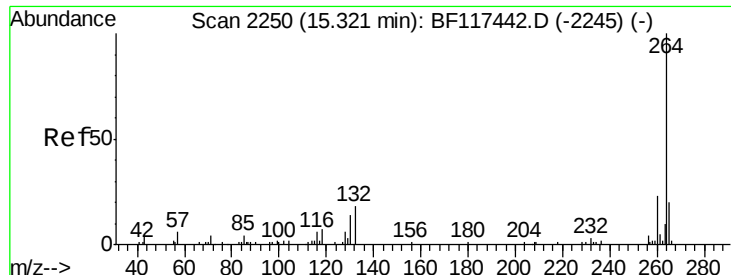
Tot Ion:240 Resp: 87931
Ion Ratio Lower Upper
240 100
120 12.7 8.4 12.6#
236 24.4 20.0 30.0



#79
Terphenyl-d14
Concen: 37.373 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117653.D
Acq: 31 Oct 2019 13:04

Tgt Ion:244 Resp: 201470
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 14.2 11.8 17.8





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.02 min
 Lab File: BF117653.D
 Acq: 31 Oct 2019 13:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	74867
Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.4	27.6
265	21.1	16.1	24.1

