

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
 Data File : BF118100.D
 Acq On : 4 Dec 2019 21:43
 Operator : JU
 Sample : K6098-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:41:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	145505	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	637912	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	330328	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	609726	20.00	ng	0.00
76) Chrysene-d12	14.07	240	400614	20.00	ng	0.00
87) Perylene-d12	15.57	264	407282	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	971399	118.17	ng	0.00
7) Phenol-d6	6.50	99	858348	86.57	ng	0.00
23) Nitrobenzene-d5	7.44	82	985730	91.86	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	545774	156.06	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1914803	103.99	ng	0.00
79) Terphenyl-d14	13.02	244	2265823	103.37	ng	0.00

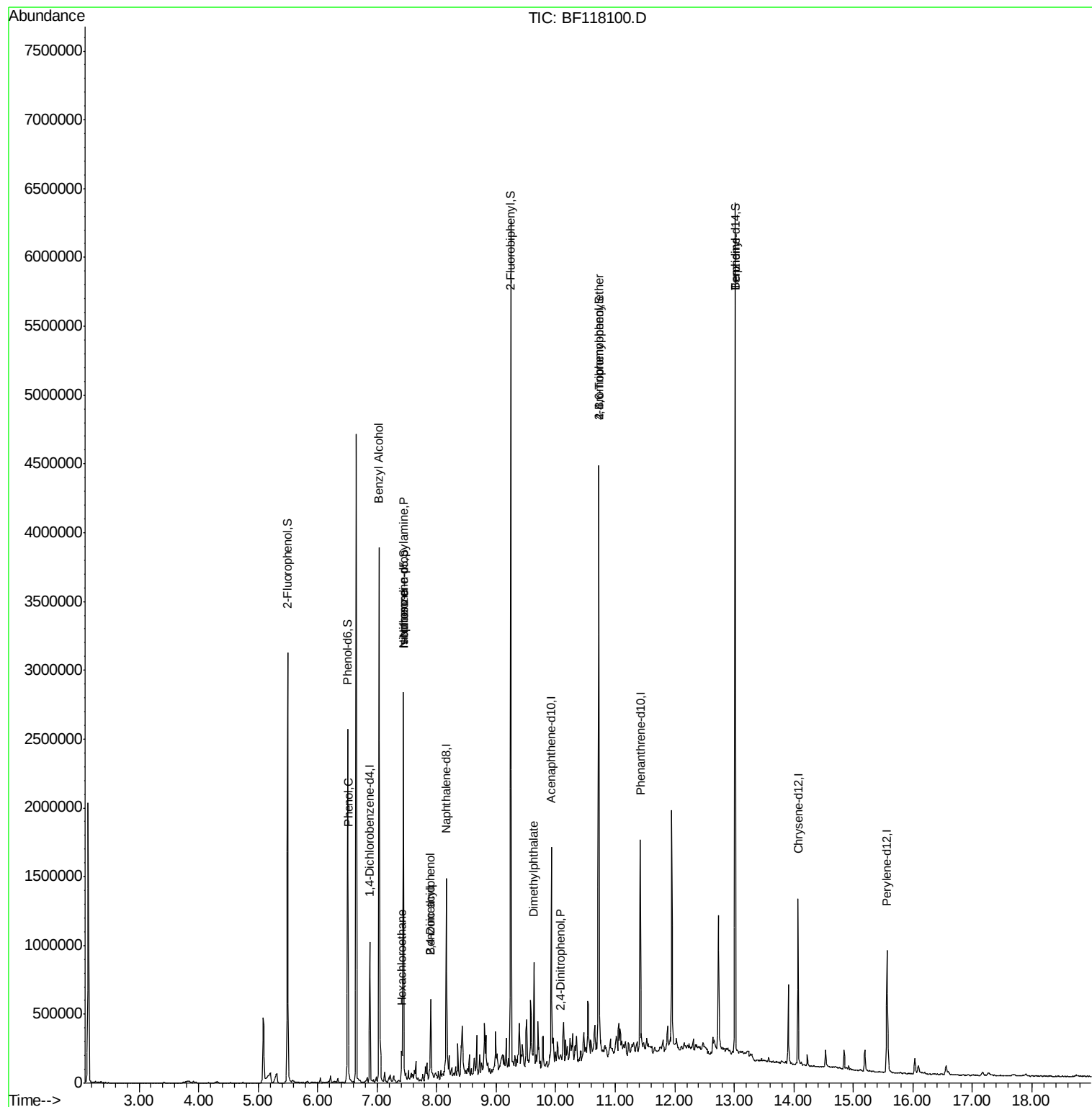
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	2610	Below Cal		# 1
10) Phenol	6.52	94	147776	14.343	ng	98
15) Benzyl Alcohol	7.03	79	20019	2.615	ng	# 50
18) Hexachloroethane	7.41	117	16777	4.303	ng	# 1
19) n-Nitroso-di-n-propylamine	7.44	70	134511	21.991	ng	# 74
25) Isophorone	7.44	82	983335	49.996	ng	# 63
27) 2,4-Dimethylphenol	7.90	122	76846	9.178	ng	# 6
32) Benzoic acid	7.90	122	76846	10.961	ng	88
50) Dimethylphthalate	9.63	163	306937	13.251	ng	98
54) 2,4-Dinitrophenol	10.07	184	170	7.284	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	33587	5.105	ng	# 1
75) Fluoranthene	12.63	202	5080	Below Cal		69
77) Benzidine	13.02	184	31392	2.392	ng	# 91

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

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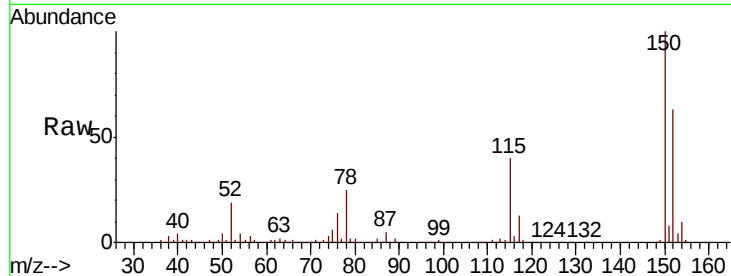




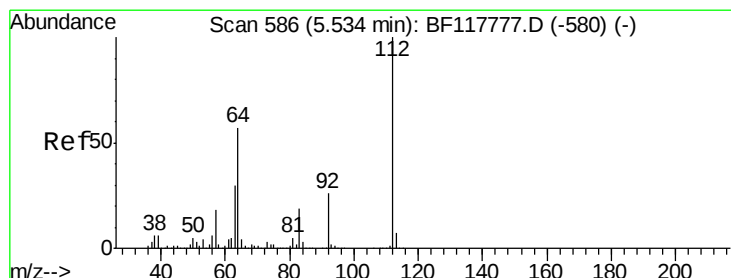
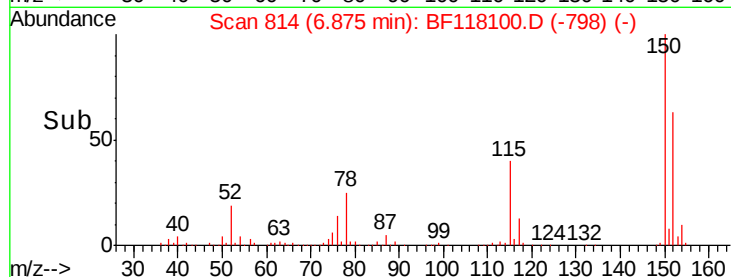
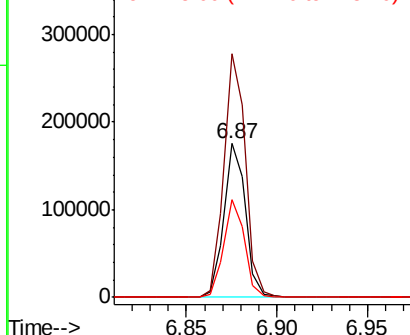
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF118100.D
 Acq: 4 Dec 2019 21:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 145505
 Ion Ratio Lower Upper
 152 100
 150 158.5 121.4 182.2
 115 63.3 48.8 73.2

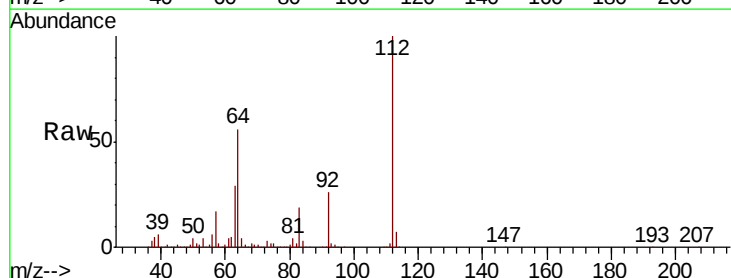


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

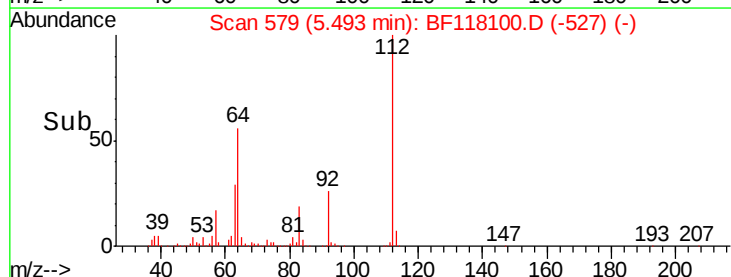
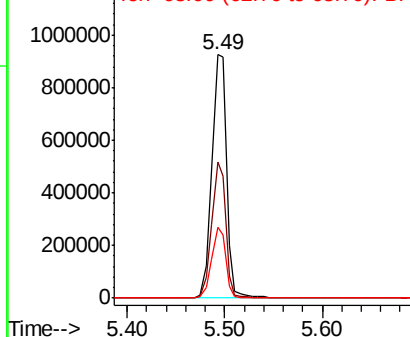


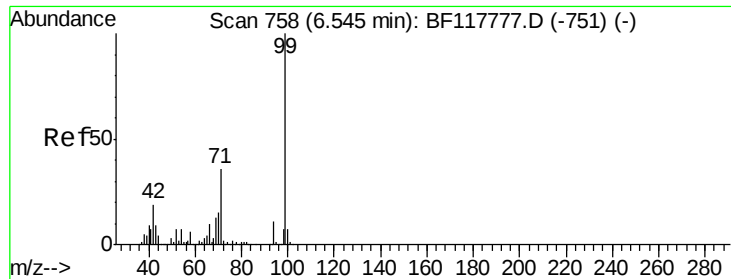
#5
 2-Fluorophenol
 Concen: 118.173 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: BF118100.D
 Acq: 4 Dec 2019 21:43

Tgt Ion:112 Resp: 971399
 Ion Ratio Lower Upper
 112 100
 64 55.7 45.1 67.7
 63 29.3 24.6 37.0



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: 86.572 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118100.D

Acq: 4 Dec 2019 21:43

Instrument :

BNA_F

ClientSampleId :

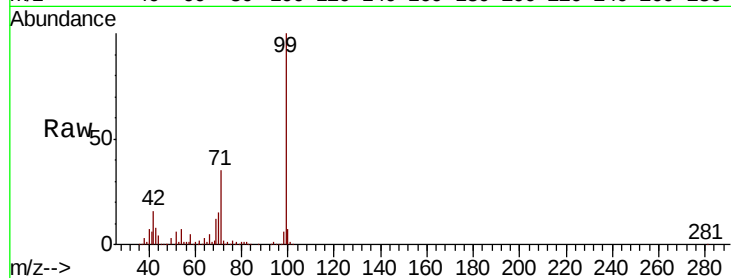
Tot Ion: 99 Resp: 858348

Ion Ratio Lower Upper

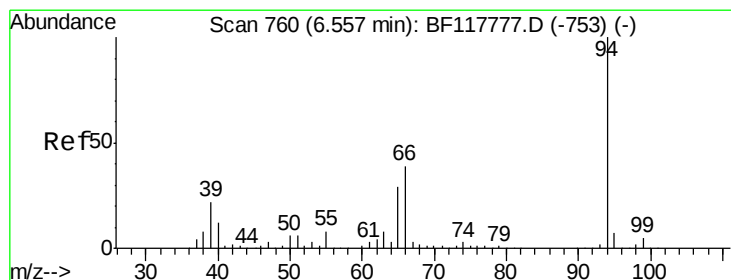
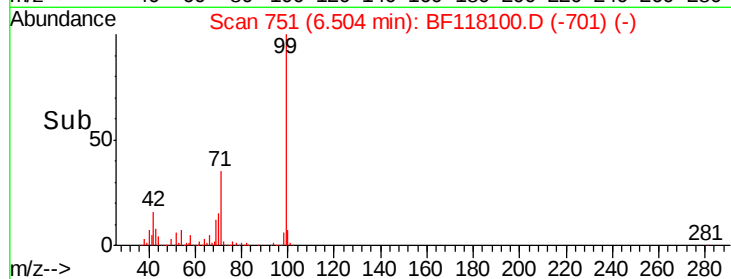
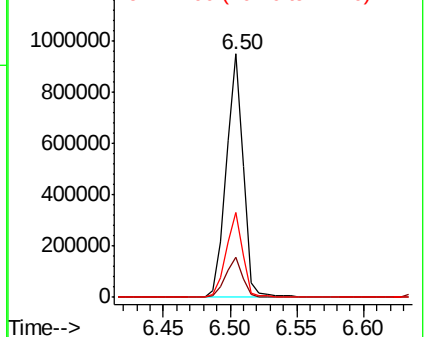
99 100

42 16.3 14.0 21.0

71 34.6 29.2 43.8



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: 14.343 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118100.D

Acq: 4 Dec 2019 21:43

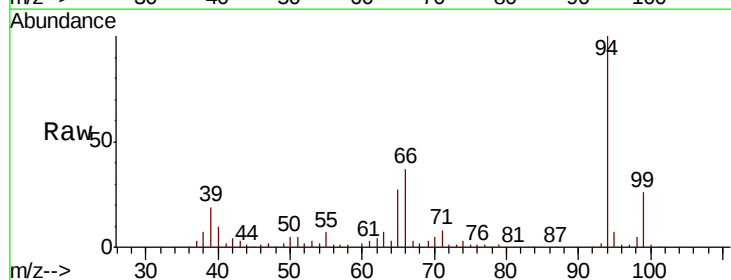
Tgt Ion: 94 Resp: 147776

Ion Ratio Lower Upper

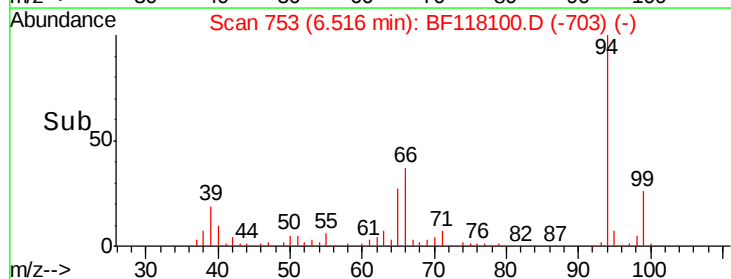
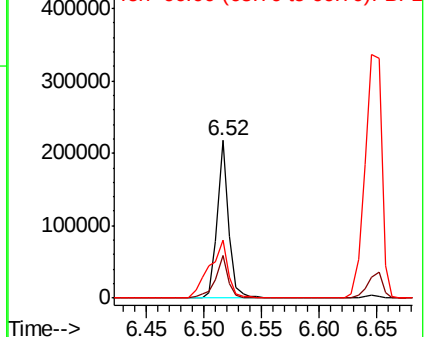
94 100

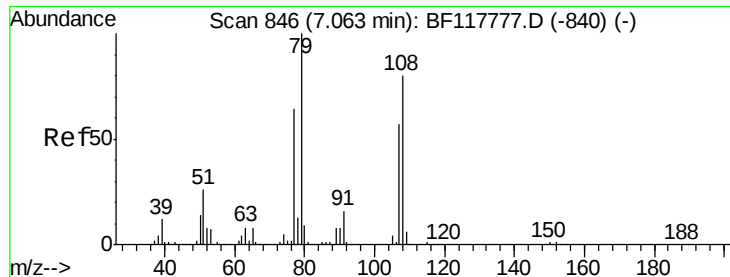
65 26.7 6.9 46.9

66 36.8 18.6 58.6



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





#15

Benzyl Alcohol

Concen: 2.615 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.01 min

Lab File: BF118100.D

Acq: 4 Dec 2019 21:43

Instrument :

BNA_F

ClientSampleId :

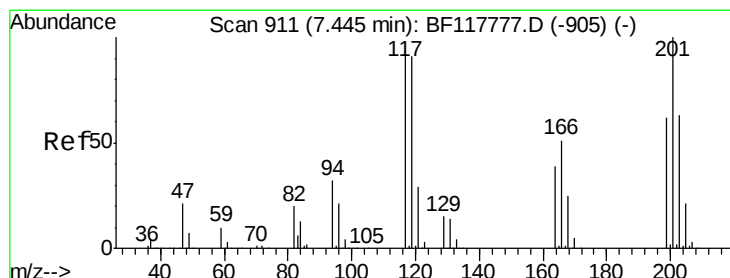
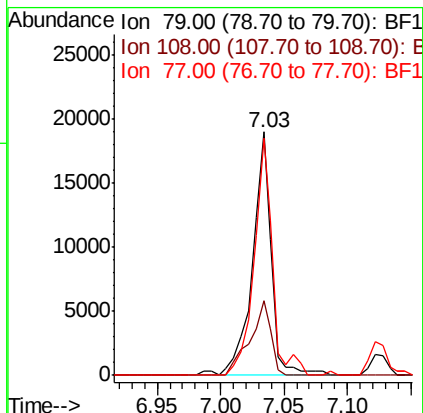
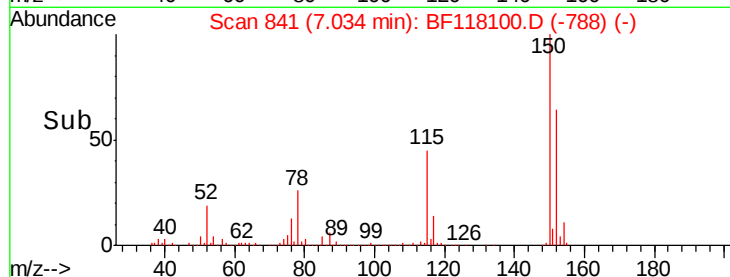
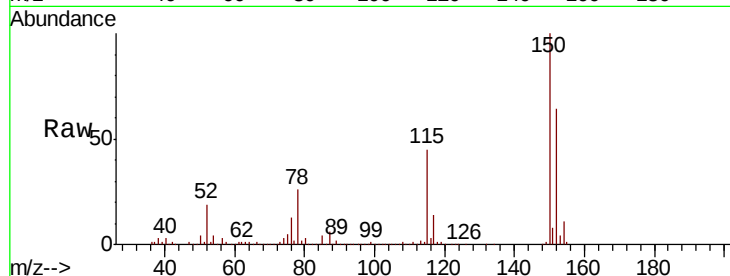
Tot Ion: 79 Resp: 20019

Ion Ratio Lower Upper

79 100

108 30.5 63.1 94.7#

77 97.3 50.6 76.0#



#18

Hexachloroethane

Concen: 4.303 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.02 min

Lab File: BF118100.D

Acq: 4 Dec 2019 21:43

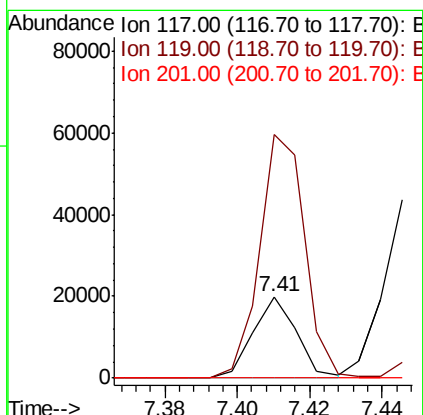
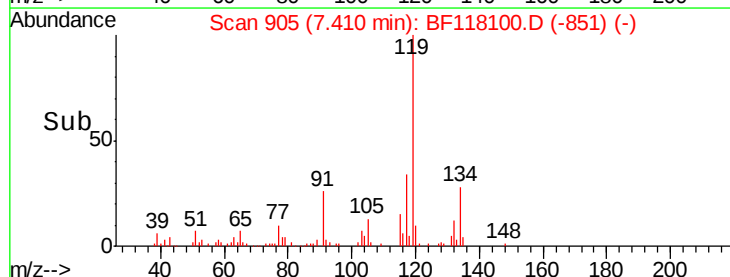
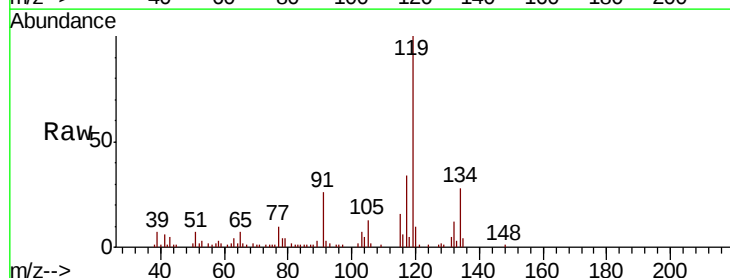
Tgt Ion: 117 Resp: 16777

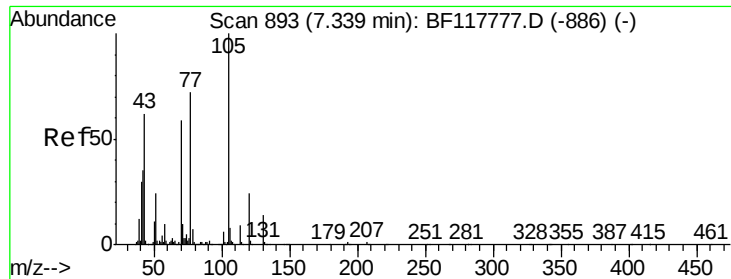
Ion Ratio Lower Upper

117 100

119 298.4 76.4 114.6#

201 0.0 71.7 107.5#

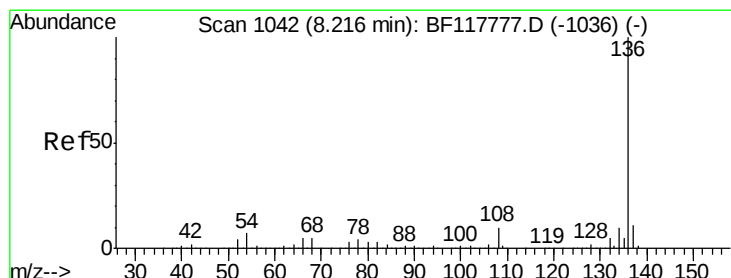
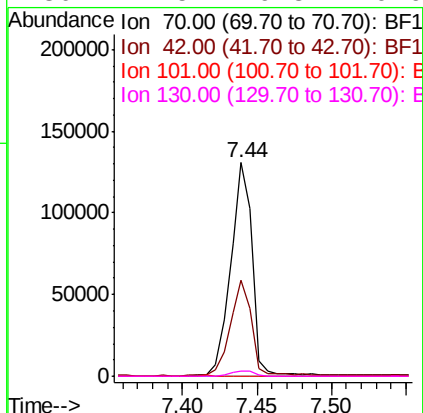
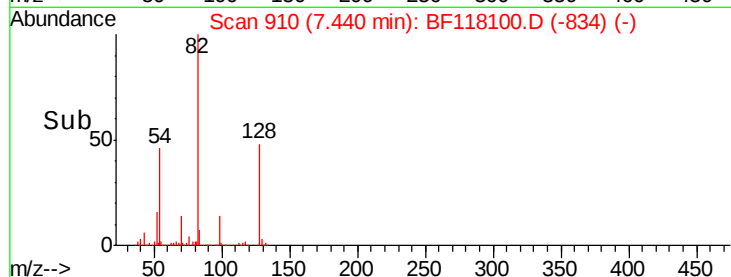
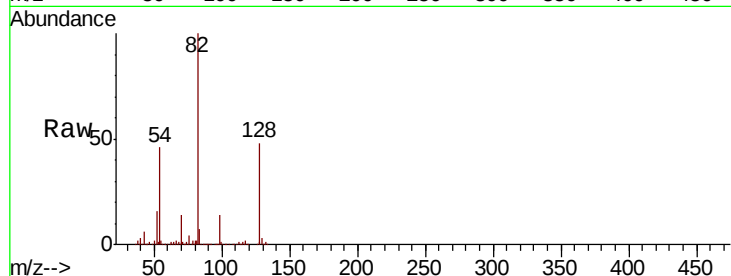




#19
n-Nitroso-di-n-propylamine
Concen: 21.991 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF118100.D
Acq: 4 Dec 2019 21:43

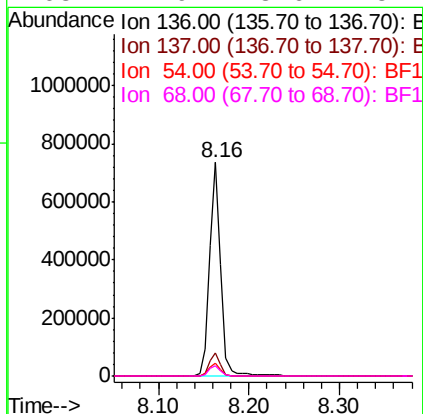
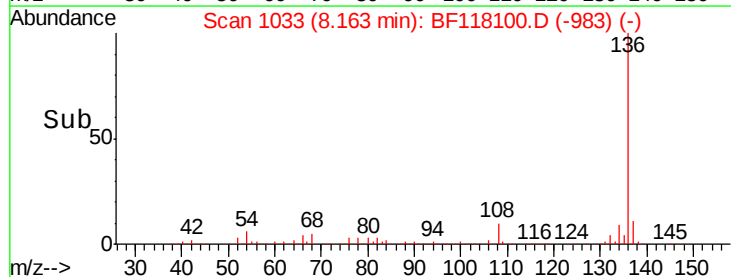
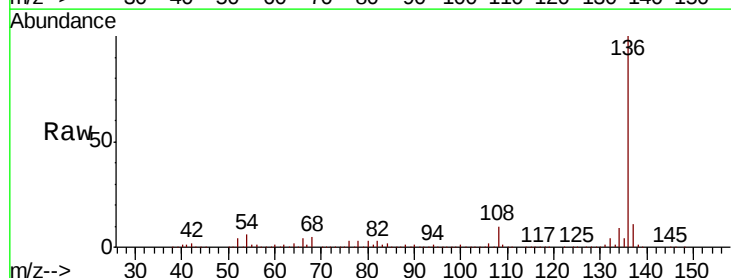
Instrument :
BNA_F
ClientSampleId :

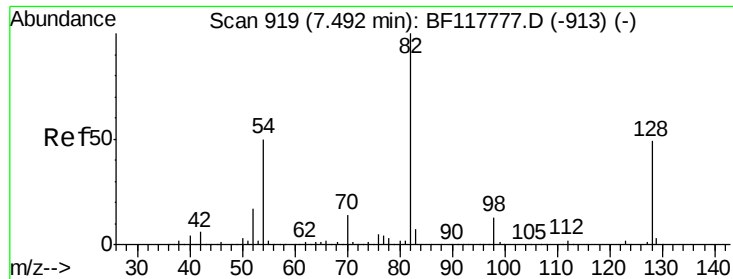
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.7	46.0	69.0#
101	0.0	8.8	13.2#
130	2.5	19.8	29.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118100.D
Acq: 4 Dec 2019 21:43

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.0	4.9	7.3
68	4.9	3.6	5.4

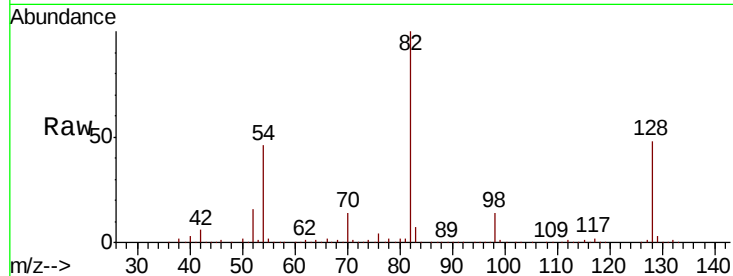




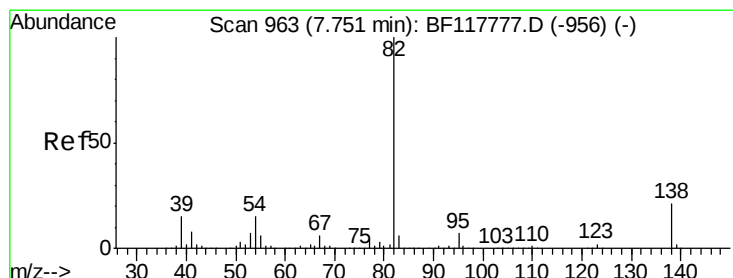
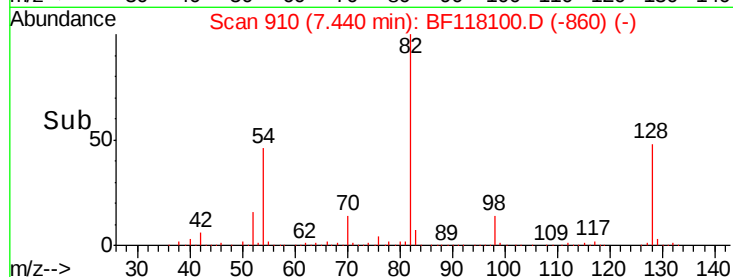
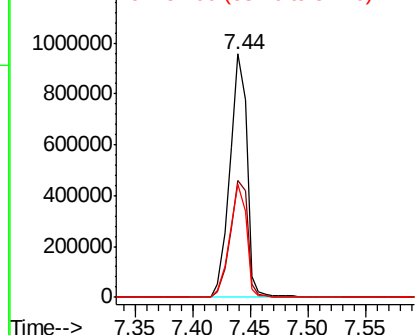
#23
Nitrobenzene-d5
Concen: 91.858 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118100.D
Acq: 4 Dec 2019 21:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	985730
Ion Ratio	Lower	Upper	
82	100		
128	48.1	38.2	57.4
54	46.5	39.0	58.4

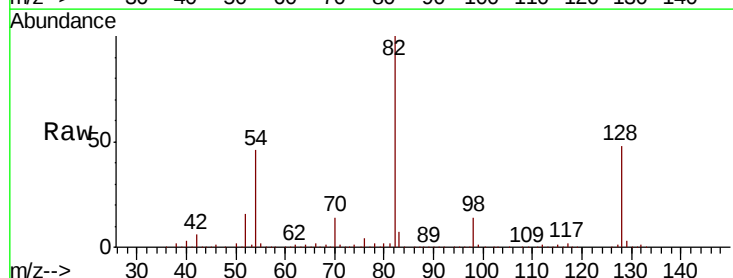


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

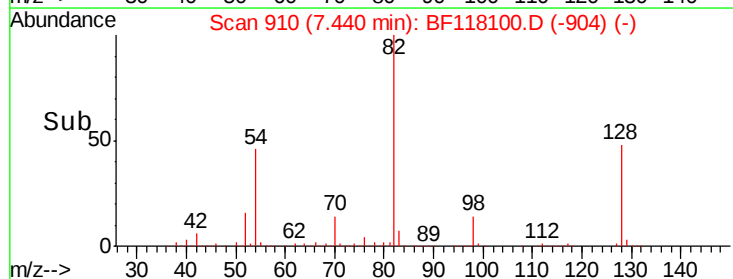
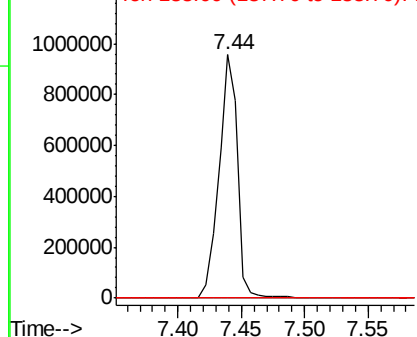


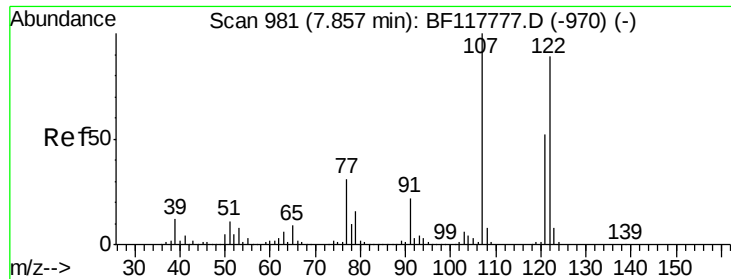
#25
Isophorone
Concen: 49.996 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF118100.D
Acq: 4 Dec 2019 21:43

Tgt Ion	82	Resp	983335
Ion Ratio	Lower	Upper	
82	100		
95	0.1	6.2	9.2#
138	0.0	15.9	23.9#



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





#27

2,4-Dimethylphenol

Concen: 9.178 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.09 min

Lab File: BF118100.D

Acq: 4 Dec 2019 21:43

Instrument :

BNA_F

ClientSampled :

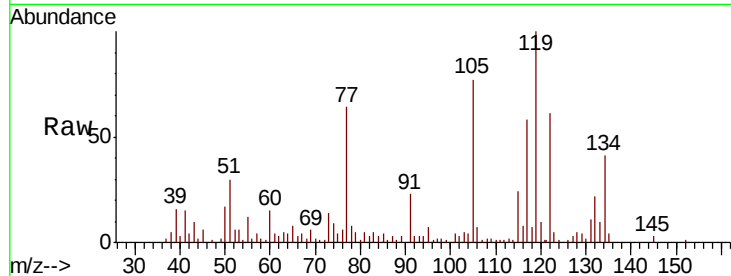
Tot Ion:122 Resp: 76846

Ion Ratio Lower Upper

122 100

107 1.6 92.6 138.8#

121 4.4 46.9 70.3#

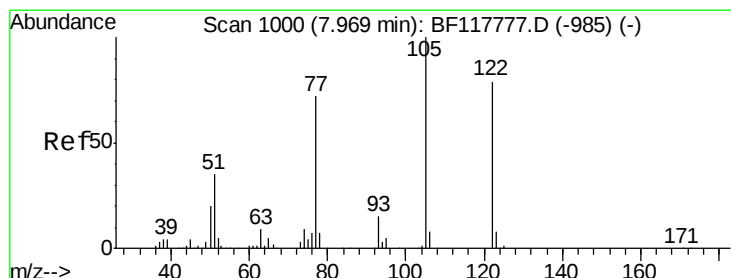
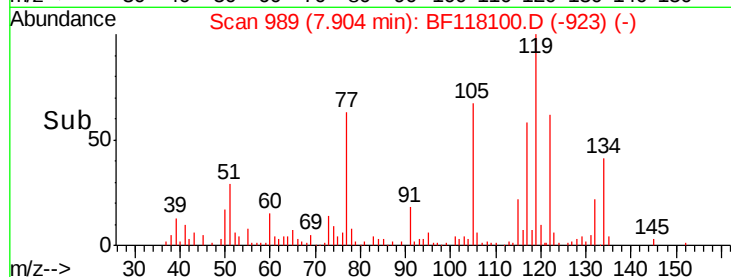
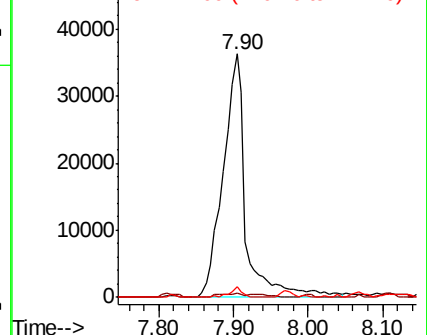


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 10.961 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.04 min

Lab File: BF118100.D

Acq: 4 Dec 2019 21:43

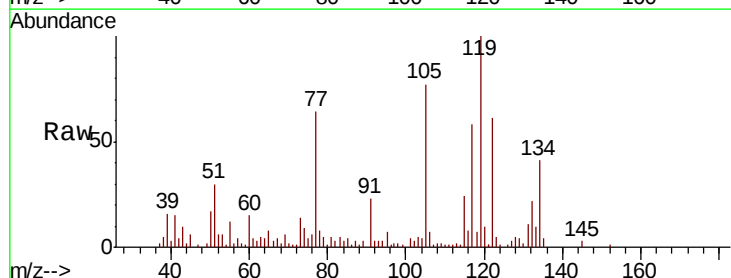
Tgt Ion:122 Resp: 76846

Ion Ratio Lower Upper

122 100

105 127.4 101.4 141.4

77 105.8 66.4 106.4

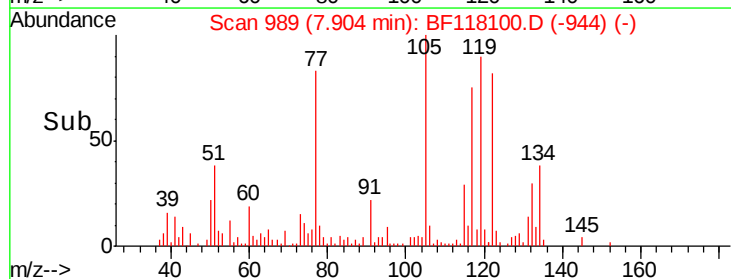
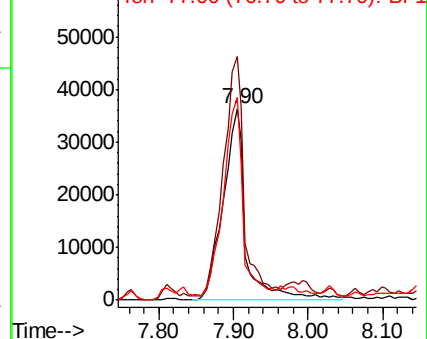


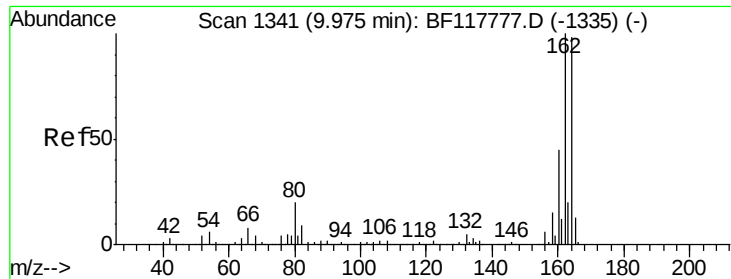
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

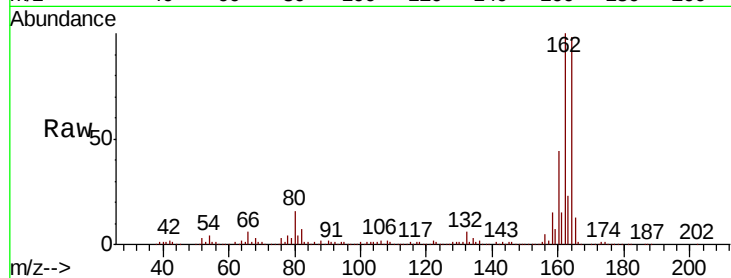




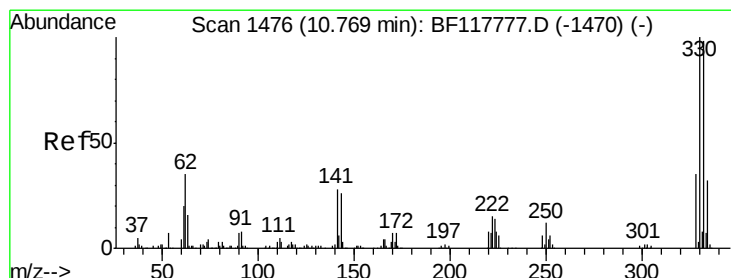
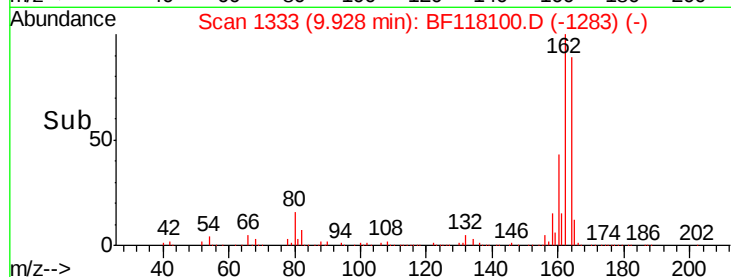
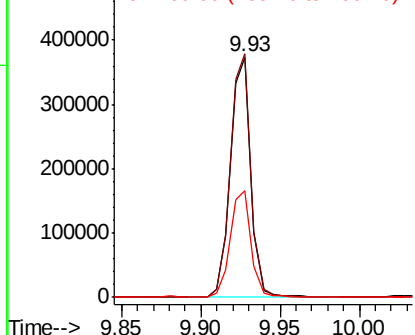
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118100.D
Acq: 4 Dec 2019 21:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 330328
Ion Ratio Lower Upper
164 100
162 101.5 81.8 122.8
160 44.3 35.9 53.9

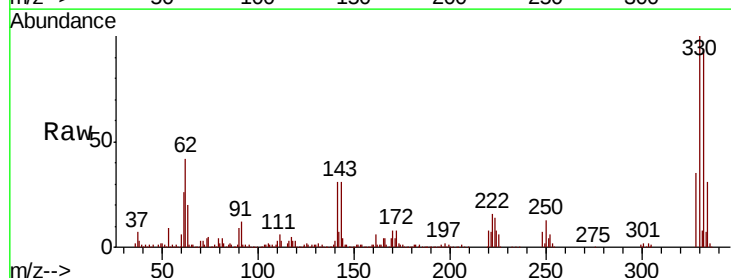


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

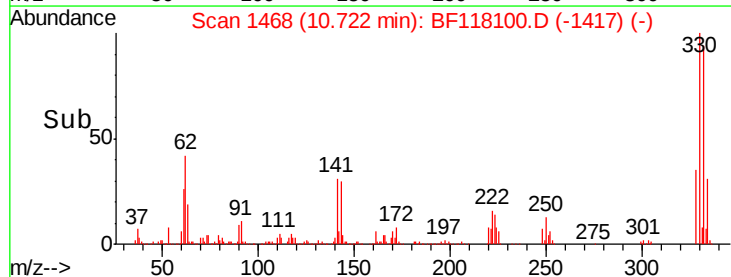
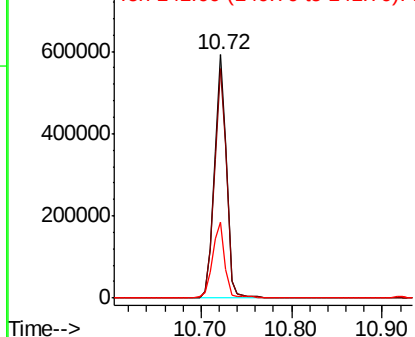


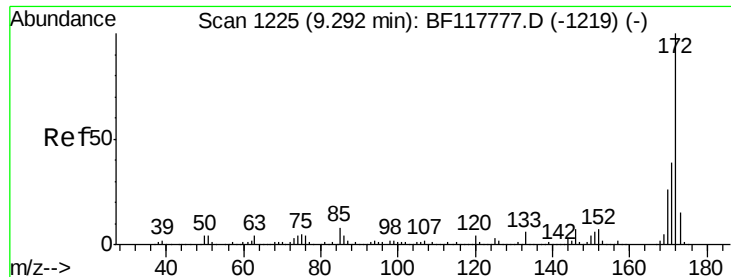
#42
2,4,6-Tribromophenol
Concen: 156.063 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BF118100.D
Acq: 4 Dec 2019 21:43

Tgt Ion:330 Resp: 545774
Ion Ratio Lower Upper
330 100
332 96.0 78.3 117.5
141 31.5 26.4 39.6



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

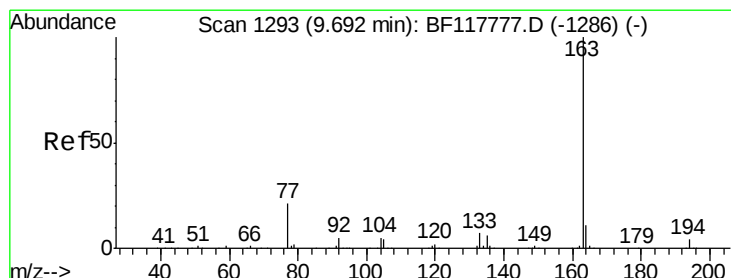
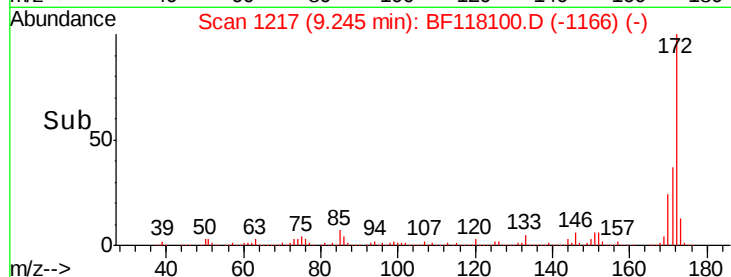
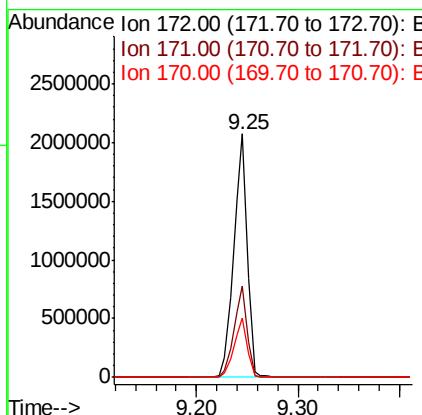
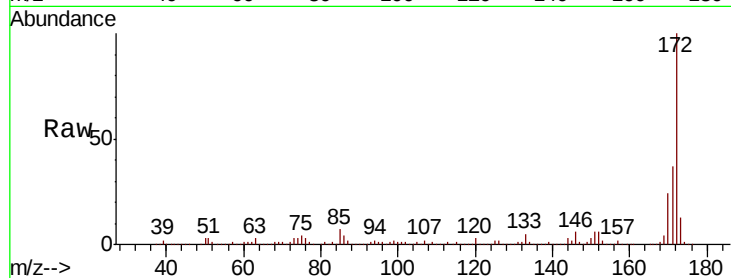




#45
2-Fluorobiphenyl
Concen: 103.994 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.00 min
Lab File: BF118100.D
Acq: 4 Dec 2019 21:43

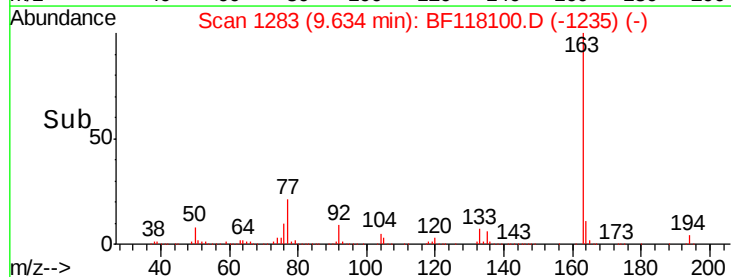
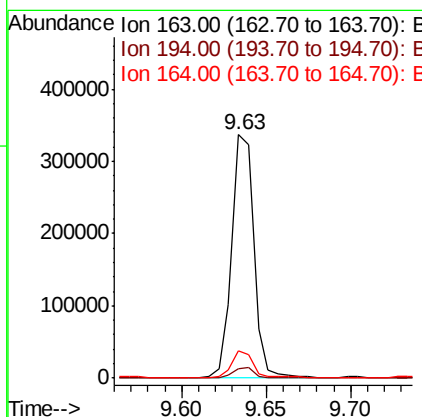
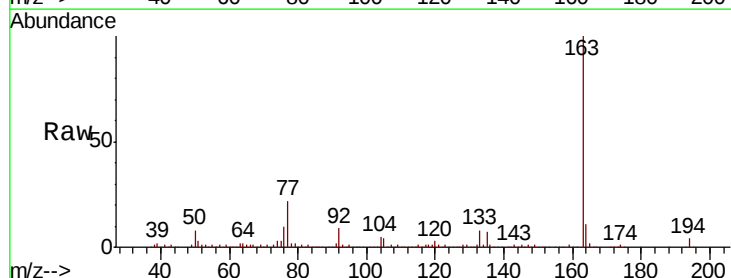
Instrument :
BNA_F
ClientSampleId :

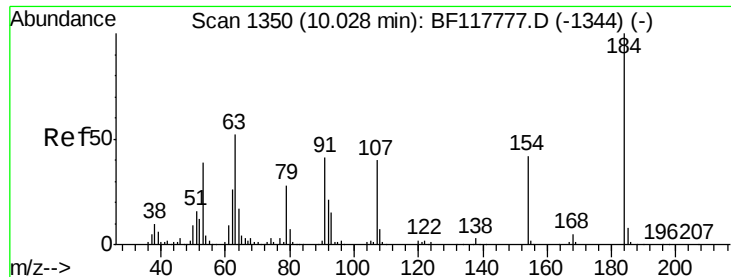
Tot Ion:172 Resp: 1914803
Ion Ratio Lower Upper
172 100
171 37.4 29.2 43.8
170 24.4 19.3 28.9



#50
Dimethylphthalate
Concen: 13.251 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF118100.D
Acq: 4 Dec 2019 21:43

Tgt Ion:163 Resp: 306937
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 11.0 7.9 11.9

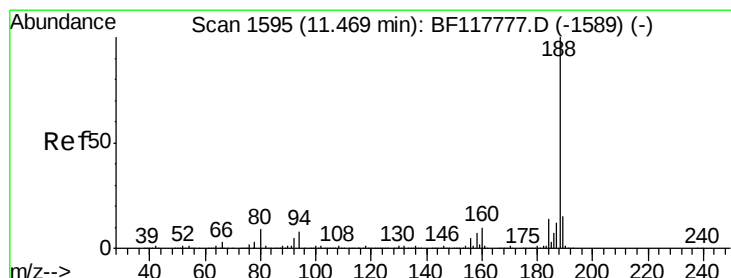
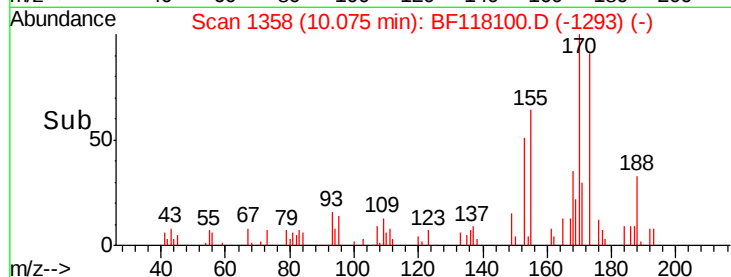
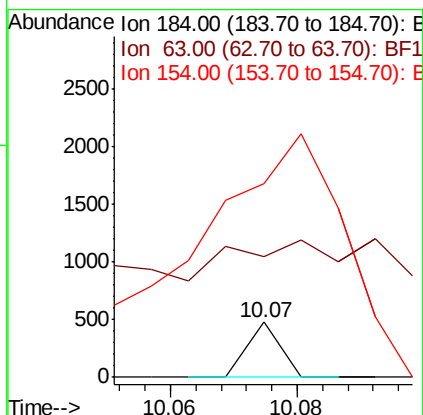
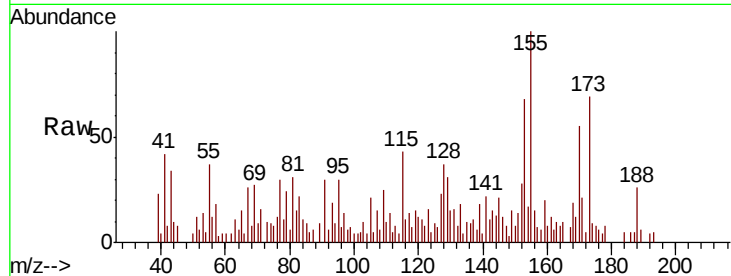




#54
 2,4-Dinitrophenol
 Concen: 7.284 ng
 RT: 10.07 min Scan# 1358
 Delta R.T. 0.08 min
 Lab File: BF118100.D
 Acq: 4 Dec 2019 21:43

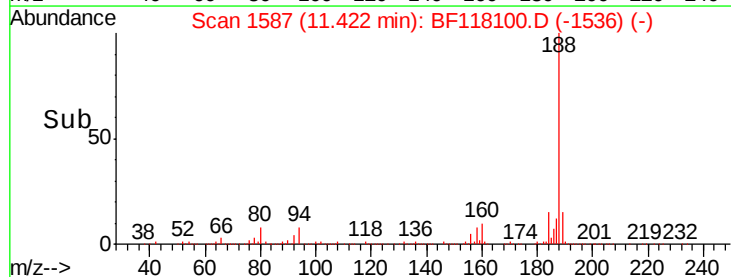
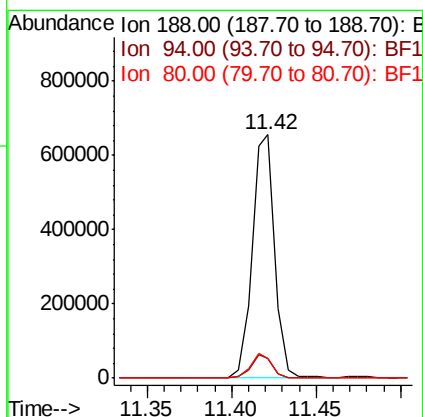
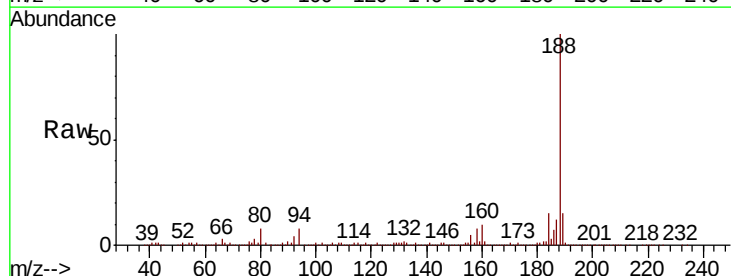
Instrument :
 BNA_F
 ClientSampled :

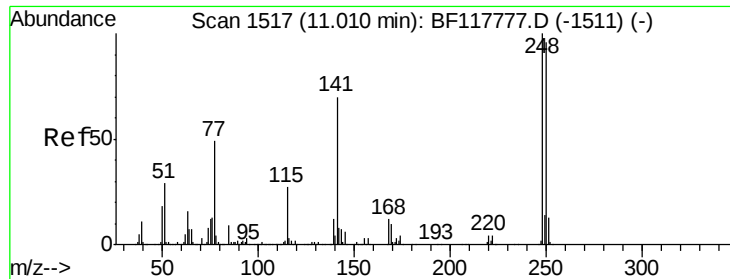
Tot Ion:184 Resp: 170
 Ion Ratio Lower Upper
 184 100
 63 216.8 45.3 67.9#
 154 350.3 51.6 77.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: BF118100.D
 Acq: 4 Dec 2019 21:43

Tgt Ion:188 Resp: 609726
 Ion Ratio Lower Upper
 188 100
 94 8.1 7.0 10.6
 80 8.2 7.2 10.8

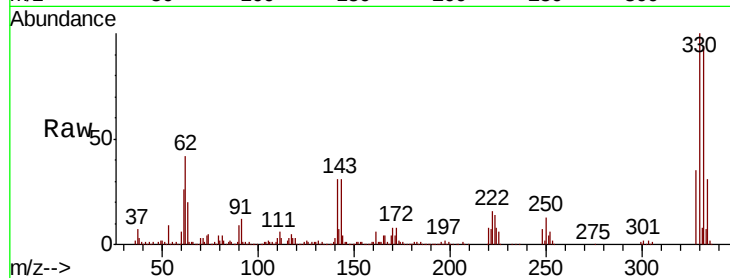




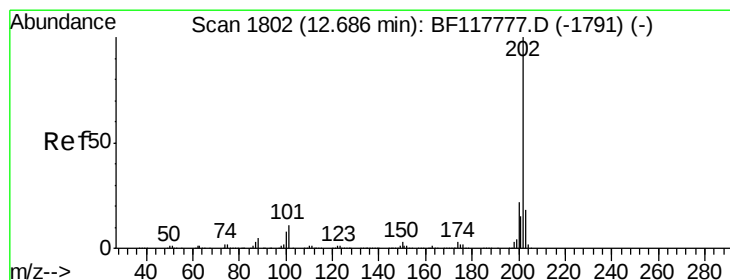
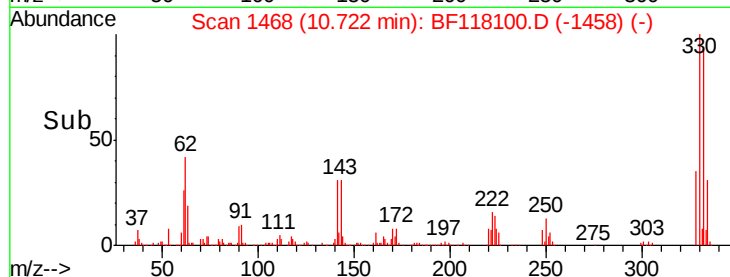
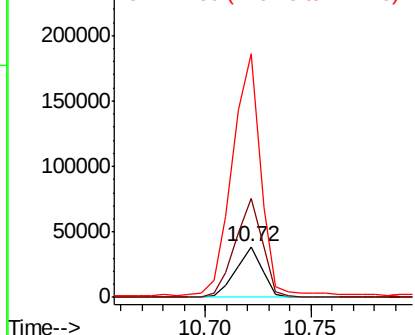
#67
4-Bromophenyl-phenylether
Concen: 5.105 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF118100.D
Acq: 4 Dec 2019 21:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 33587
Ion Ratio Lower Upper
248 100
250 193.0 78.0 117.0#
141 477.7 64.0 96.0#

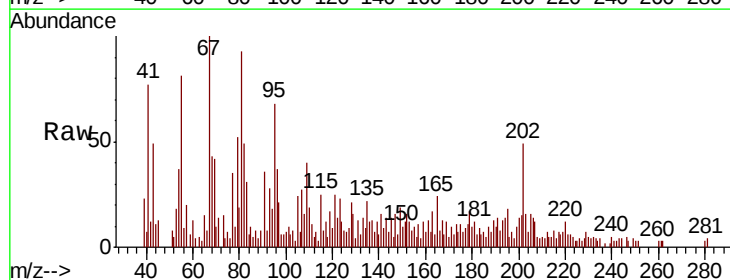


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

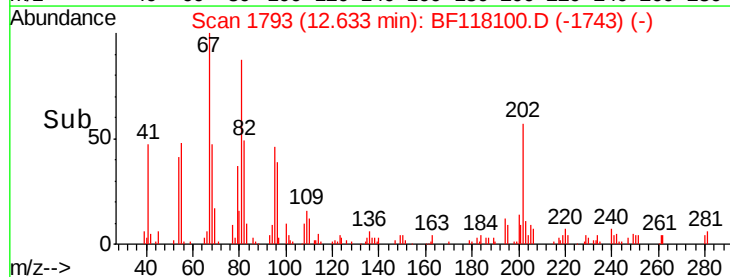
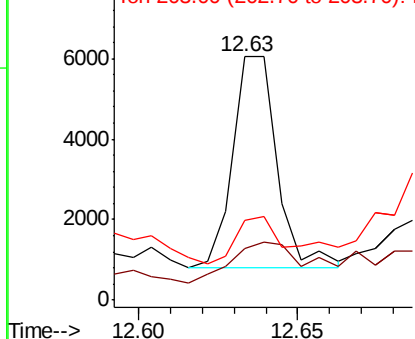


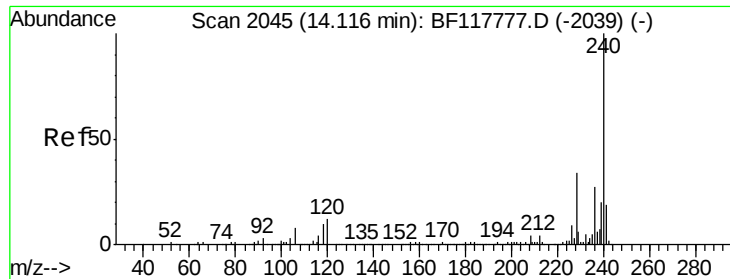
#75
Fluoranthene
Concen: Below Cal
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF118100.D
Acq: 4 Dec 2019 21:43

Tgt Ion:202 Resp: 5080
Ion Ratio Lower Upper
202 100
101 21.0 0.0 31.5
203 32.9 0.0 37.6



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

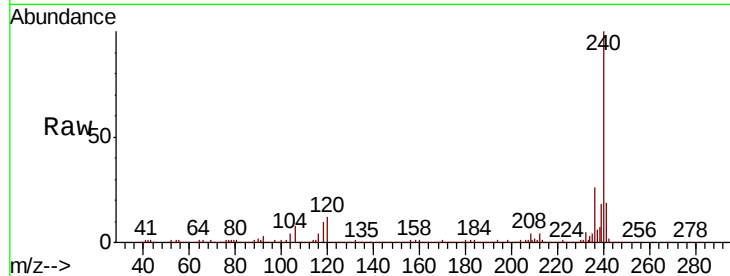




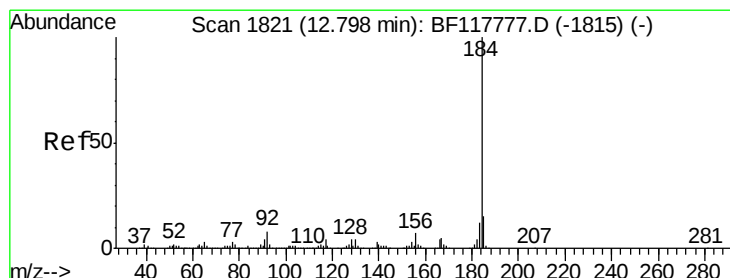
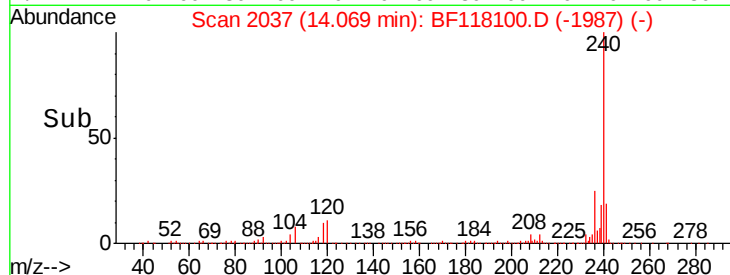
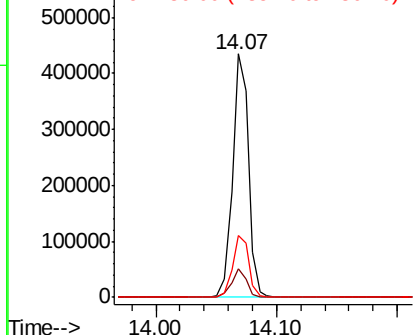
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF118100.D
 Acq: 4 Dec 2019 21:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:240 Resp: 400614
 Ion Ratio Lower Upper
 240 100
 120 11.6 8.4 12.6
 236 25.5 20.6 31.0

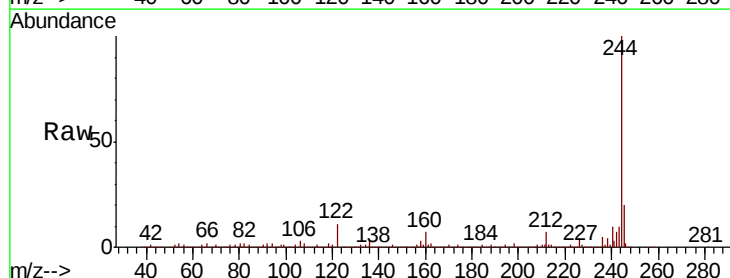


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

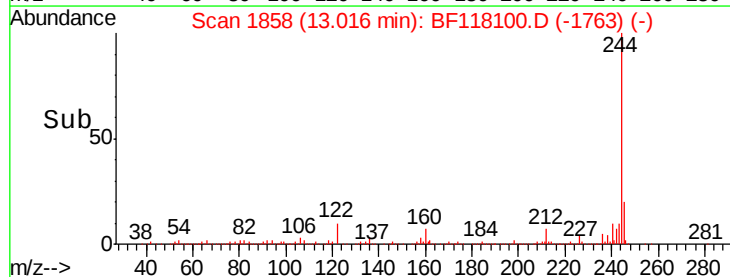
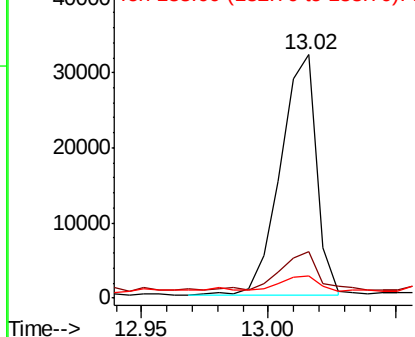


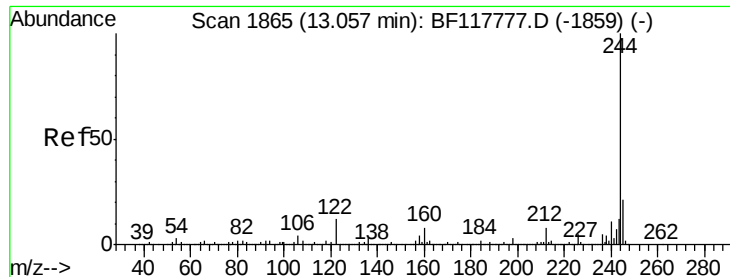
#77
 Benzidine
 Concen: 2.392 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. 0.26 min
 Lab File: BF118100.D
 Acq: 4 Dec 2019 21:43

Tgt Ion:184 Resp: 31392
 Ion Ratio Lower Upper
 184 100
 185 18.9 11.6 17.4#
 183 9.2 9.7 14.5#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 103.367 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.00 min

Lab File: BF118100.D

Acq: 4 Dec 2019 21:43

Instrument :

BNA_F

ClientSampleId :

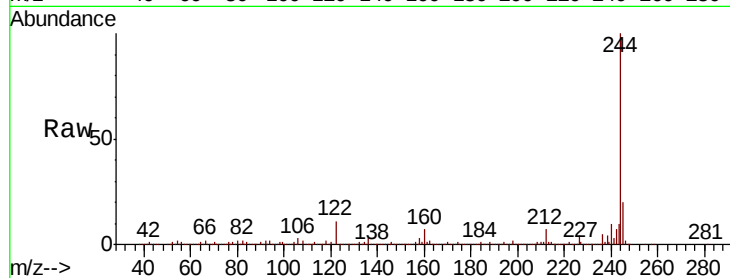
Tot Ion:244 Resp: 2265823

Ion Ratio Lower Upper

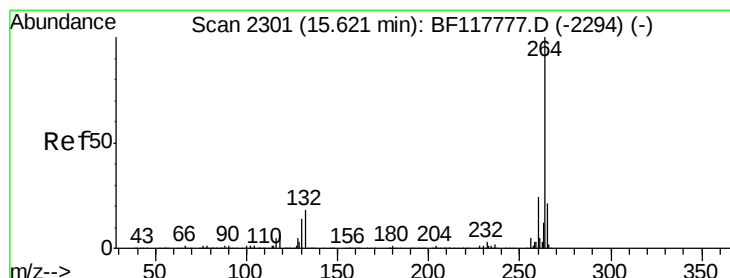
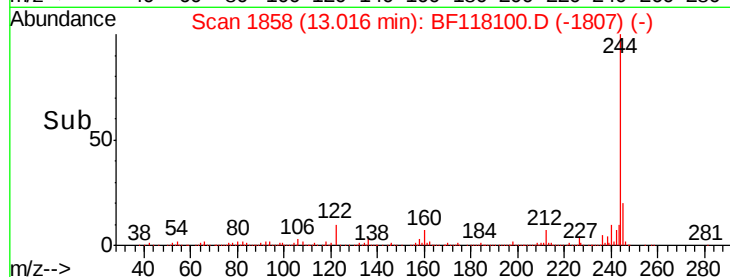
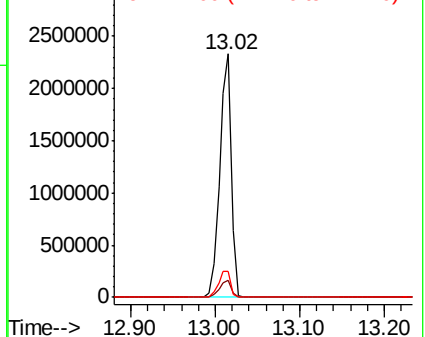
244 100

212 7.1 5.2 7.8

122 10.5 7.2 10.8



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: 15.57 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BF118100.D

Acq: 4 Dec 2019 21:43

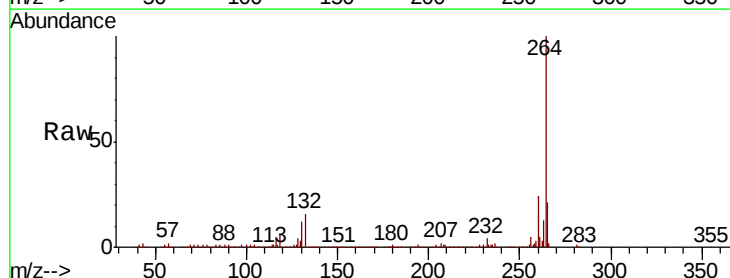
Tgt Ion:264 Resp: 407282

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 21.0 16.4 24.6



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

