

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
 Data File : BF118096.D
 Acq On : 4 Dec 2019 19:52
 Operator : JU
 Sample : K6098-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:40:22 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	172657	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	589313	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	352117	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	569870	20.00	ng	0.00
76) Chrysene-d12	14.07	240	485440	20.00	ng	0.00
87) Perylene-d12	15.57	264	438125	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	511331	52.42	ng	0.01
7) Phenol-d6	6.50	99	500154	42.51	ng	-0.01
23) Nitrobenzene-d5	7.44	82	935200	94.34	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	320297	85.92	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1834539	93.47	ng	0.00
79) Terphenyl-d14	13.02	244	2124673	79.99	ng	0.00

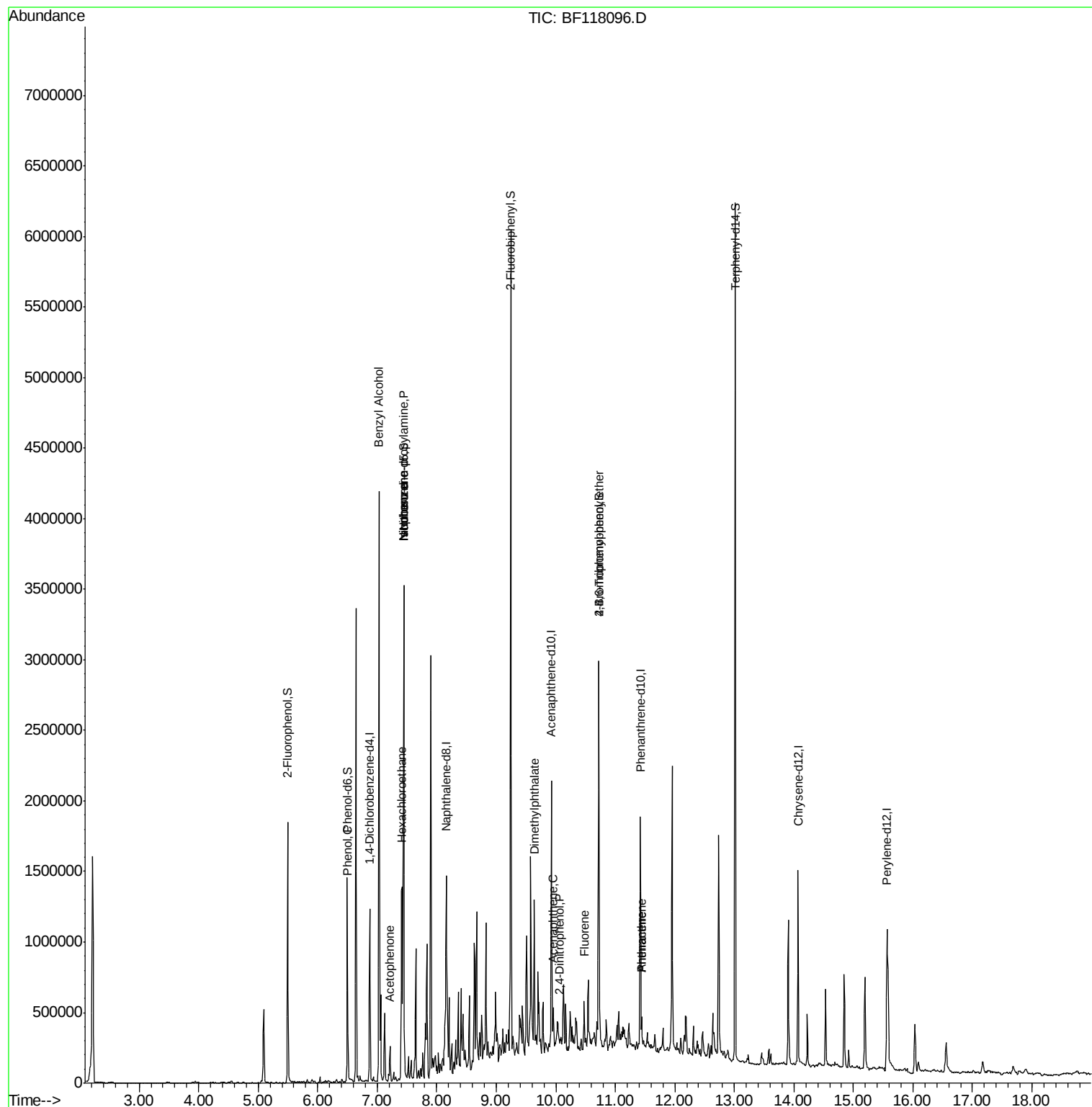
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1050	Below Cal		# 1
10) Phenol	6.51	94	33664	2.754	ng	89
15) Benzyl Alcohol	7.03	79	19825	2.183	ng	# 45
18) Hexachloroethane	7.41	117	140288	30.320	ng	# 1
19) n-Nitroso-di-n-propylamine	7.44	70	126546	17.435	ng	# 74
22) Acetophenone	7.22	105	44109	3.331	ng	# 71
24) Nitrobenzene	7.45	77	26156	2.558	ng	# 2
25) Isophorone	7.44	82	933004	51.349	ng	# 63
50) Dimethylphthalate	9.64	163	401482	16.260	ng	99
52) Acenaphthene	9.96	154	56135	2.797	ng	98
54) 2,4-Dinitrophenol	10.07	184	2385	8.007	ng	# 66
58) Fluorene	10.47	166	73351	3.406	ng	99
67) 4-Bromophenyl-phenylether	10.72	248	20182	3.282	ng	# 1
71) Phenanthrene	11.45	178	66676	2.327	ng	99
72) Anthracene	11.45	178	66676	2.347	ng	99
75) Fluoranthene	12.64	202	7665	Below Cal		73

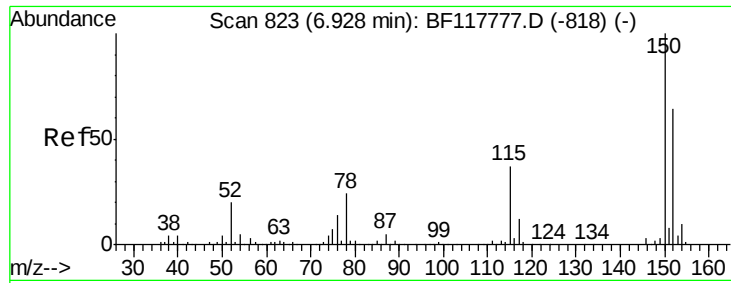
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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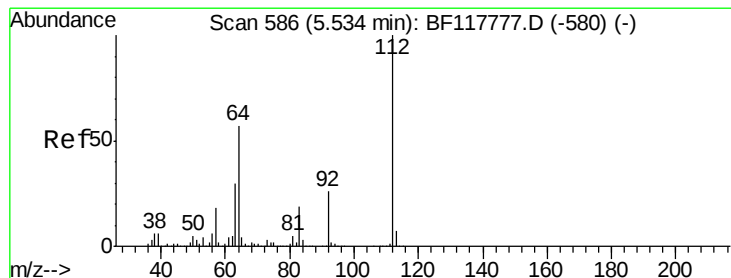
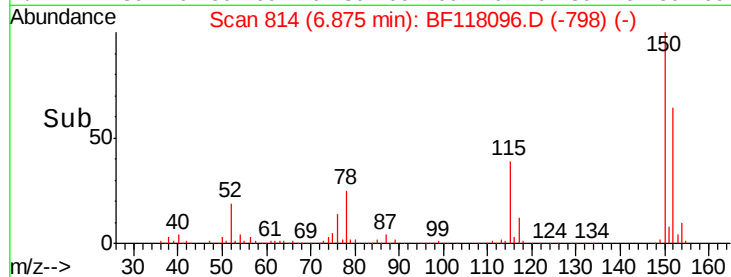
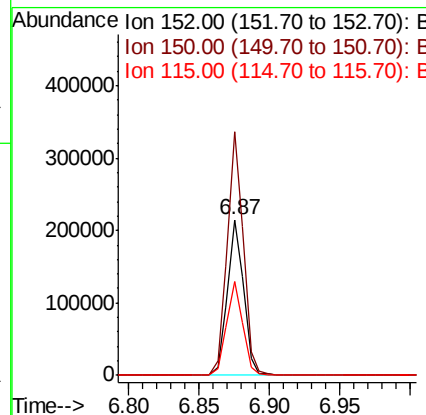
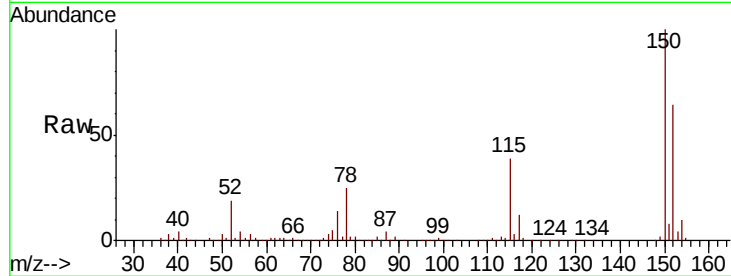


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118096.D
Acq: 4 Dec 2019 19:52

Instrument :
BNA_F
ClientSampleId :

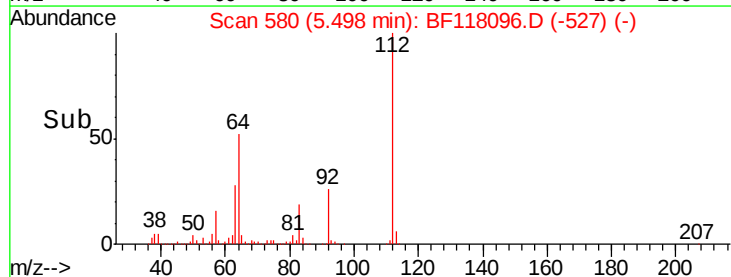
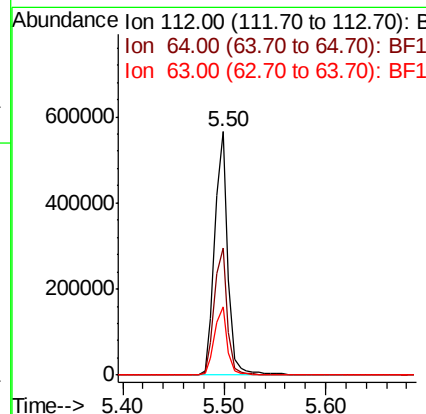
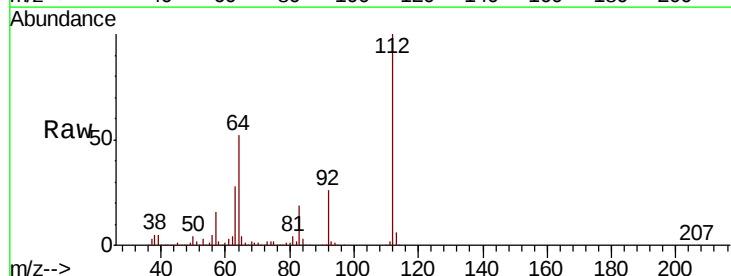
Tot Ion:152 Resp: 172657
Ion Ratio Lower Upper
152 100
150 156.2 121.4 182.2
115 60.2 48.8 73.2

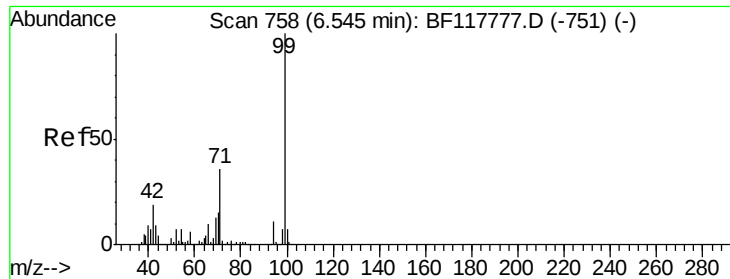


#5

2-Fluorophenol
Concen: 52.422 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF118096.D
Acq: 4 Dec 2019 19:52

Tgt Ion:112 Resp: 511331
Ion Ratio Lower Upper
112 100
64 52.2 45.1 67.7
63 28.0 24.6 37.0





#7

Phenol-d6

Concen: 42.512 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF118096.D

Acq: 4 Dec 2019 19:52

Instrument :

BNA_F

ClientSampleId :

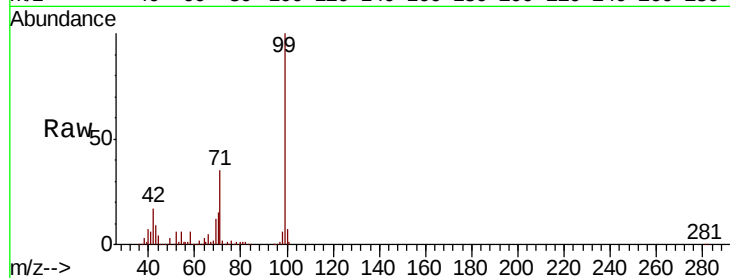
Tot Ion: 99 Resp: 500154

Ion Ratio Lower Upper

99 100

42 17.0 14.0 21.0

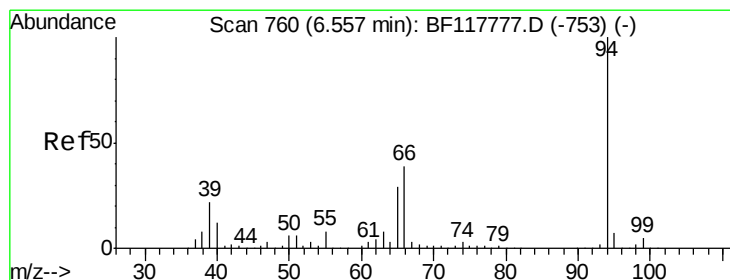
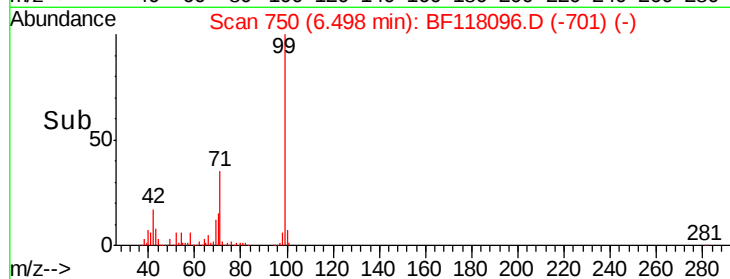
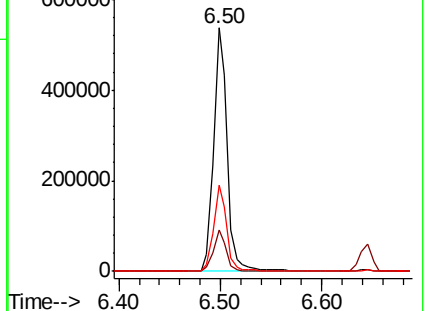
71 35.1 29.2 43.8



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: 2.754 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118096.D

Acq: 4 Dec 2019 19:52

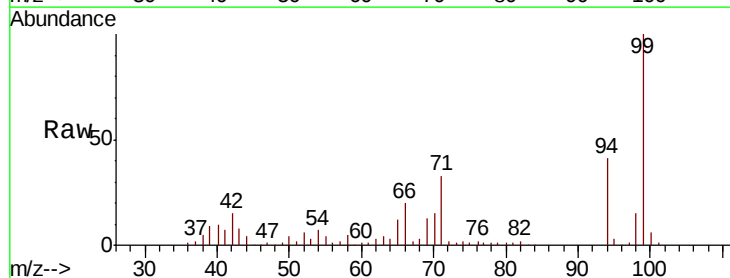
Tgt Ion: 94 Resp: 33664

Ion Ratio Lower Upper

94 100

65 28.3 6.9 46.9

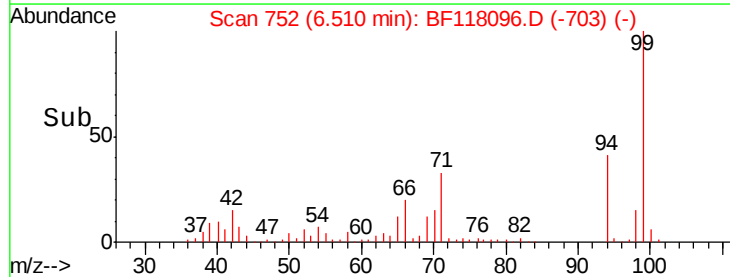
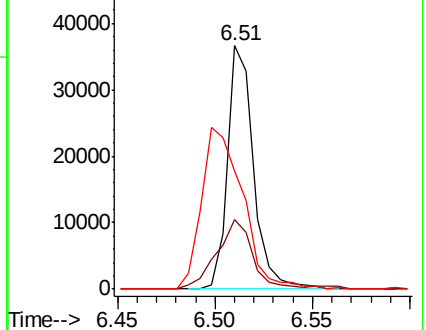
66 48.4 18.6 58.6

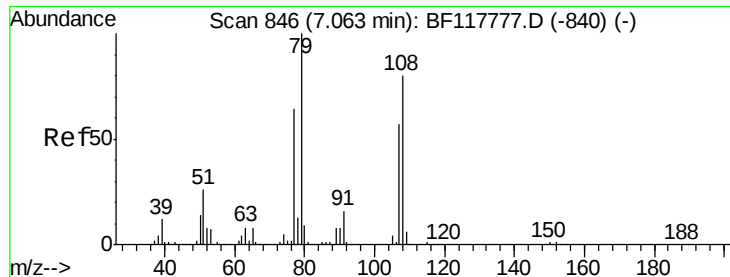


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.183 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.01 min

Lab File: BF118096.D

Acq: 4 Dec 2019 19:52

Instrument :

BNA_F

ClientSampled :

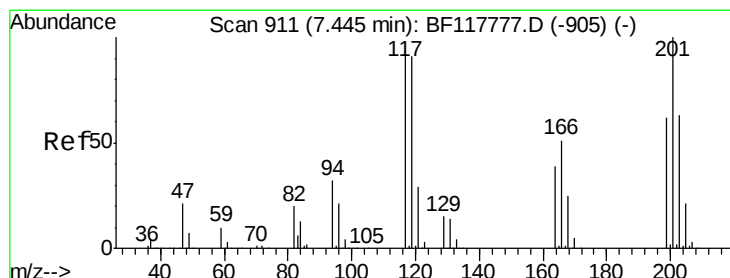
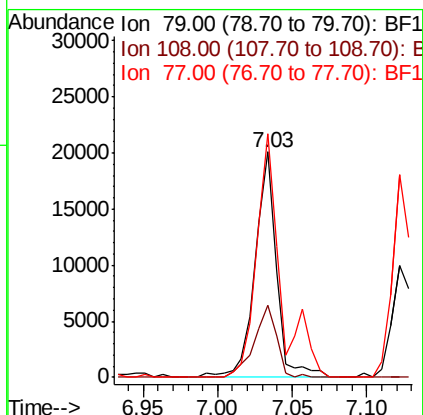
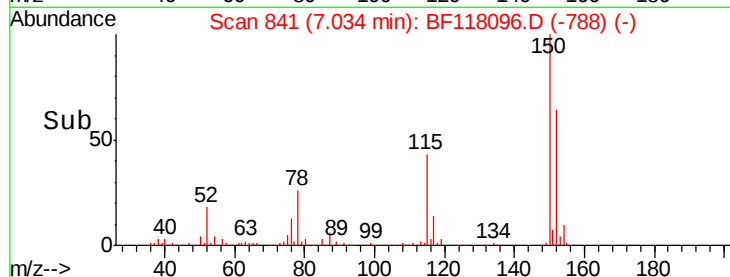
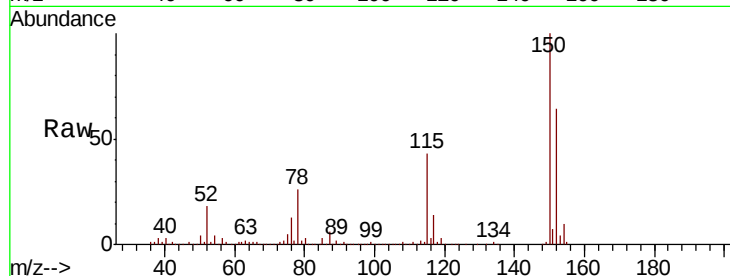
Tot Ion: 79 Resp: 19825

Ion Ratio Lower Upper

79 100

108 31.9 63.1 94.7#

77 108.1 50.6 76.0#



#18

Hexachloroethane

Concen: 30.320 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.02 min

Lab File: BF118096.D

Acq: 4 Dec 2019 19:52

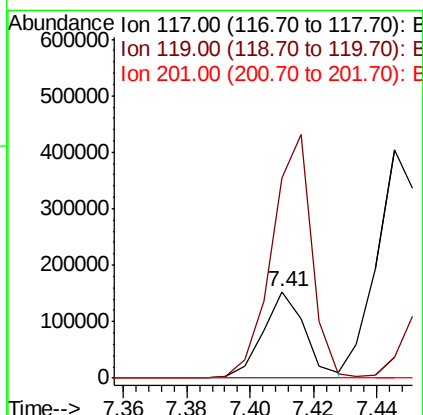
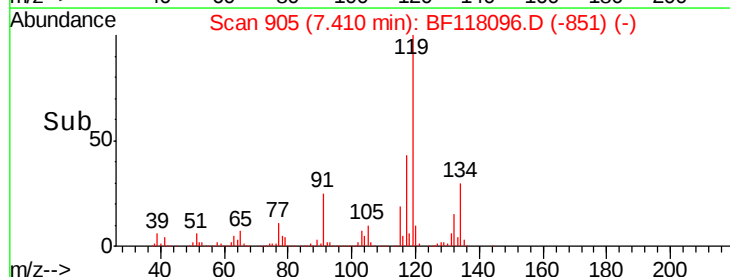
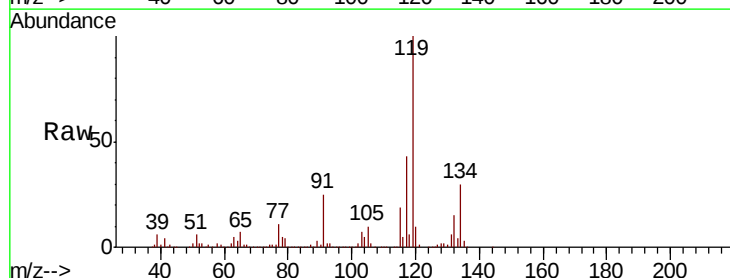
Tgt Ion: 117 Resp: 140288

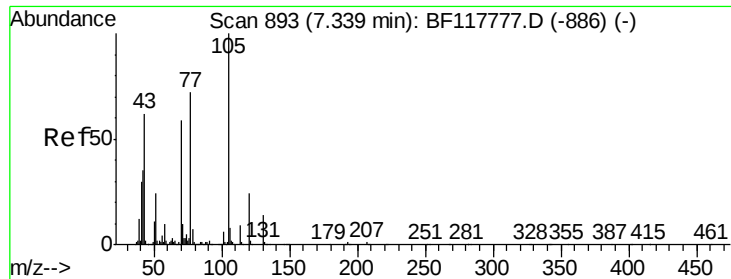
Ion Ratio Lower Upper

117 100

119 231.6 76.4 114.6#

201 0.0 71.7 107.5#

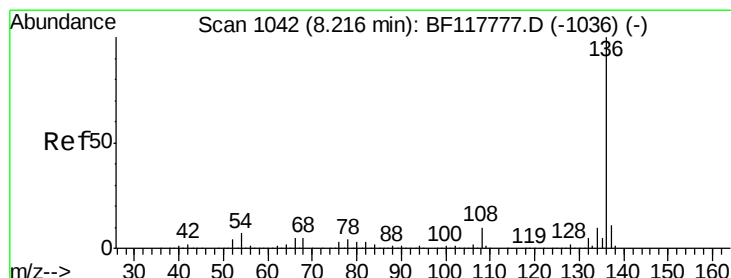
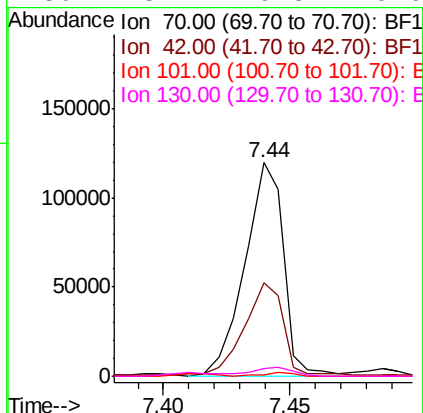
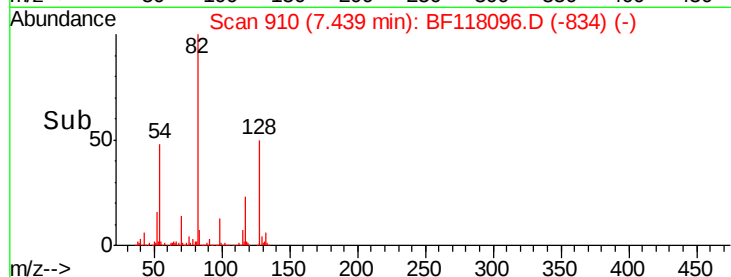
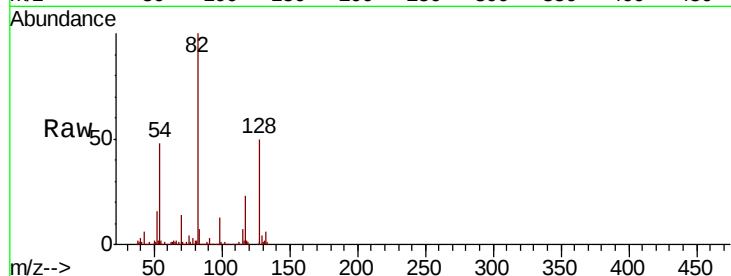




#19
n-Nitroso-di-n-propylamine
Concen: 17.435 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF118096.D
Acq: 4 Dec 2019 19:52

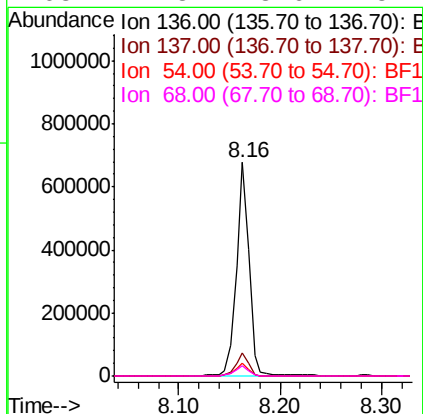
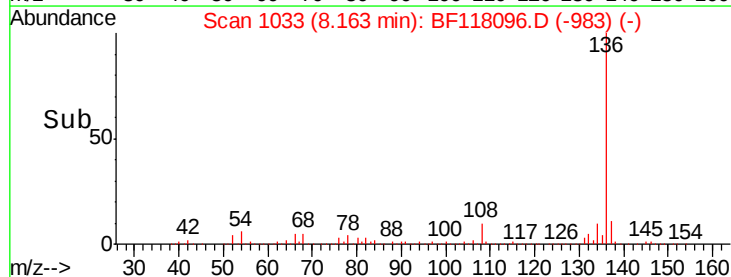
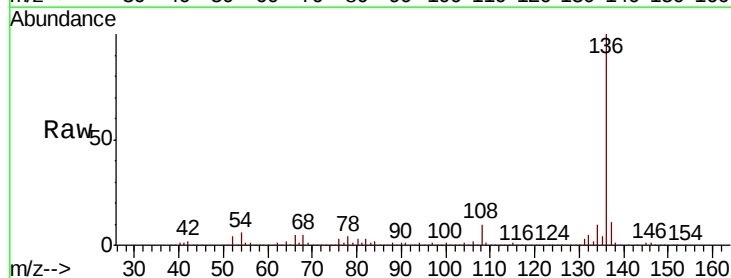
Instrument :
BNA_F
ClientSampleId :

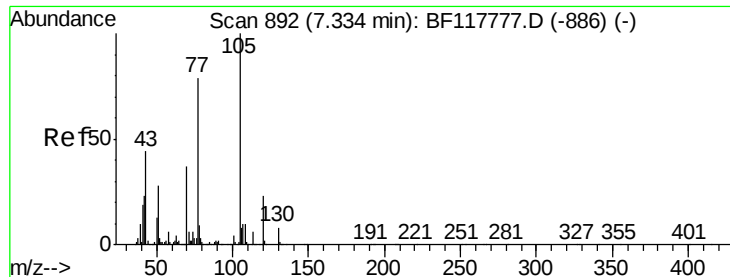
Tot Ion: 70 Resp: 126546
Ion Ratio Lower Upper
70 100
42 43.7 46.0 69.0#
101 0.7 8.8 13.2#
130 3.7 19.8 29.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118096.D
Acq: 4 Dec 2019 19:52

Tgt Ion:136 Resp: 589313
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 6.3 4.9 7.3
68 4.8 3.6 5.4

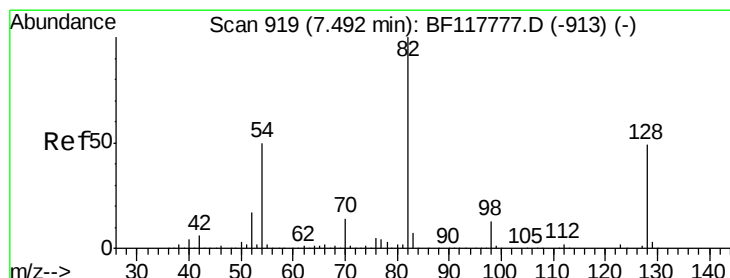
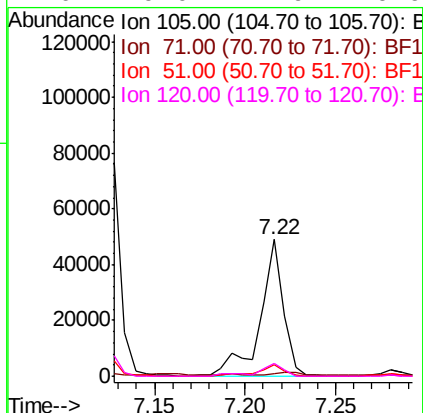
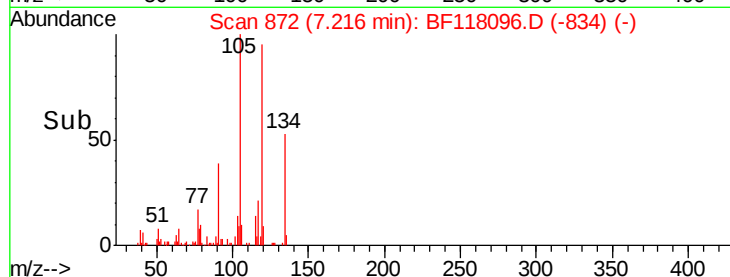
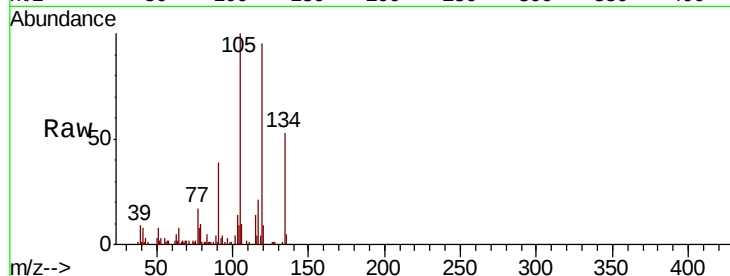




#22
Acetophenone
Concen: 3.331 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.08 min
Lab File: BF118096.D
Acq: 4 Dec 2019 19:52

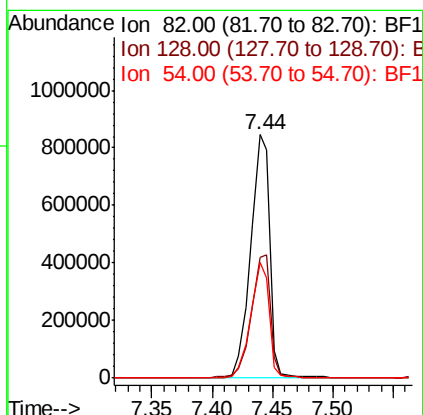
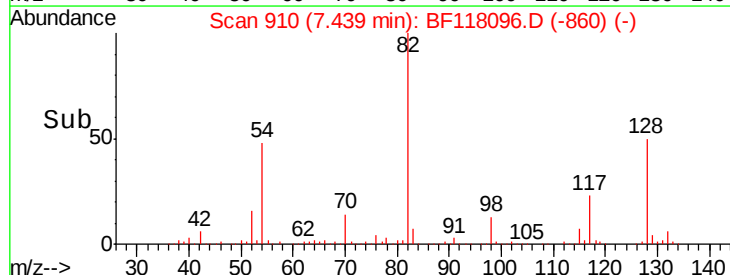
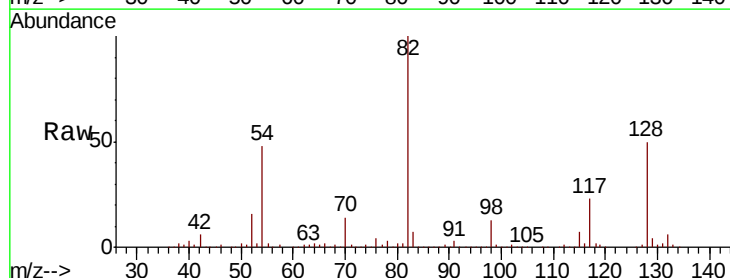
Instrument :
BNA_F
ClientSampled :

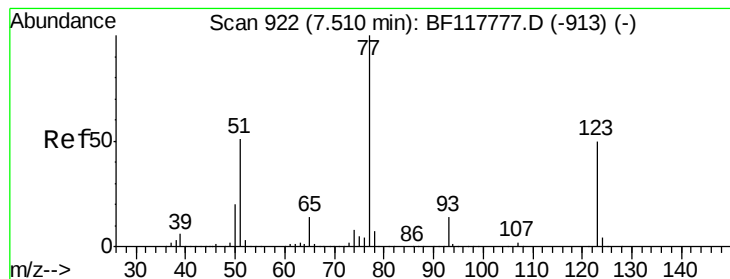
Tot Ion:105 Resp: 44109
Ion Ratio Lower Upper
105 100
71 1.5 5.9 8.9#
51 8.3 20.2 30.2#
120 9.0 17.9 26.9#



#23
Nitrobenzene-d5
Concen: 94.337 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118096.D
Acq: 4 Dec 2019 19:52

Tgt Ion: 82 Resp: 935200
Ion Ratio Lower Upper
82 100
128 49.6 38.2 57.4
54 47.5 39.0 58.4





#24

Nitrobenzene

Concen: 2.558 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF118096.D

Acq: 4 Dec 2019 19:52

Instrument :

BNA_F

ClientSampleId :

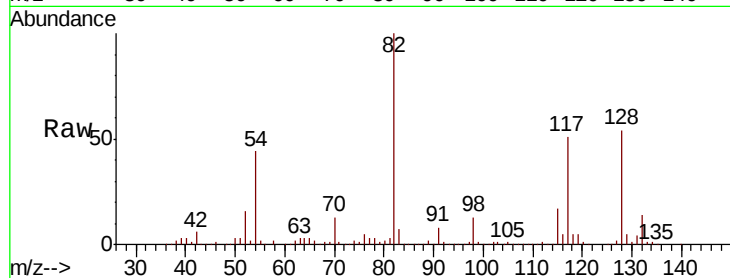
Tot Ion: 77 Resp: 26156

Ion Ratio Lower Upper

77 100

123 0.0 38.2 57.2#

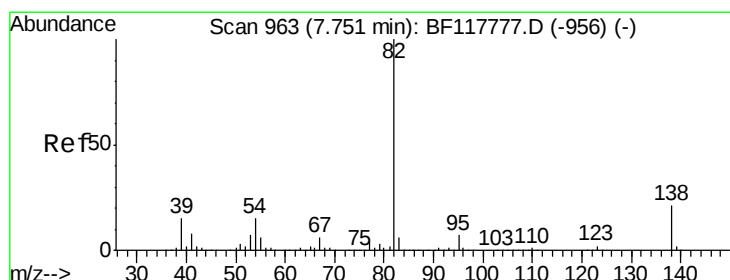
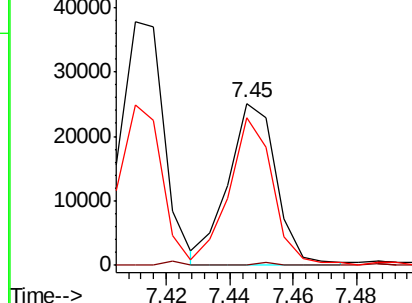
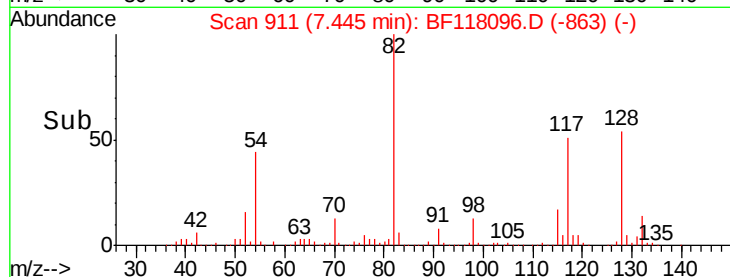
65 91.4 11.1 16.7#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 51.349 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118096.D

Acq: 4 Dec 2019 19:52

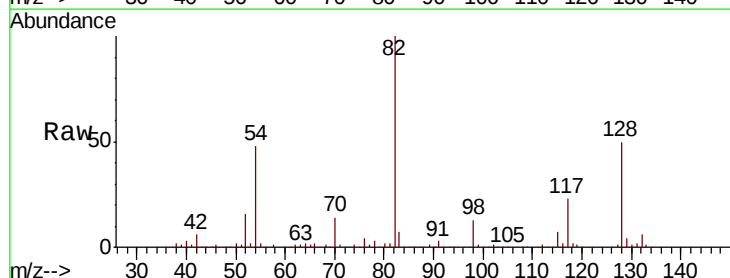
Tgt Ion: 82 Resp: 933004

Ion Ratio Lower Upper

82 100

95 0.1 6.2 9.2#

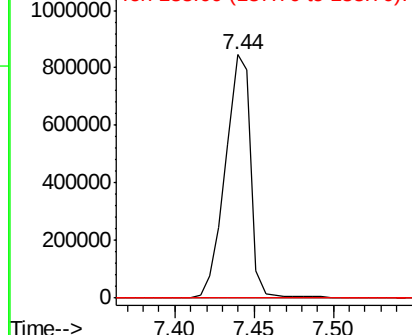
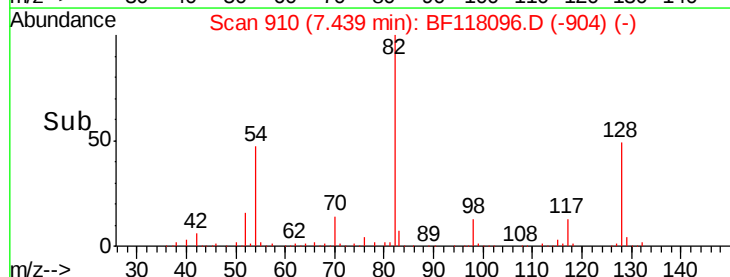
138 0.0 15.9 23.9#

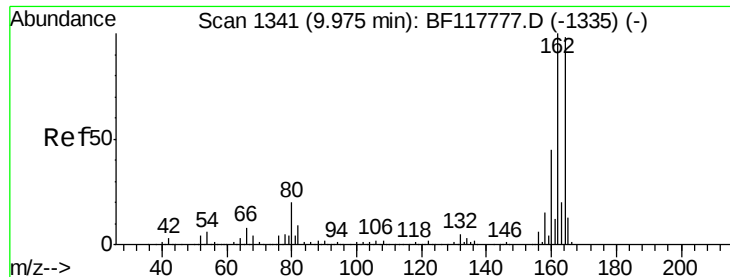


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

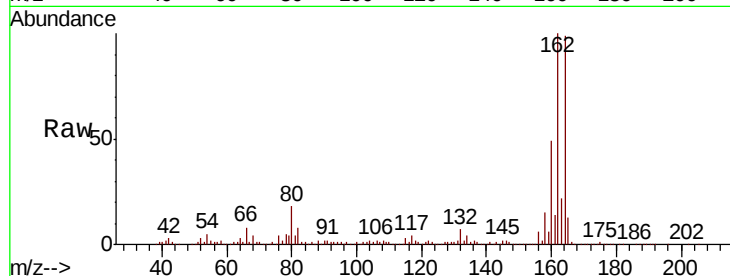




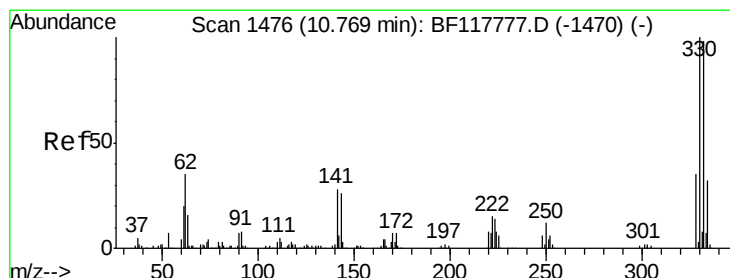
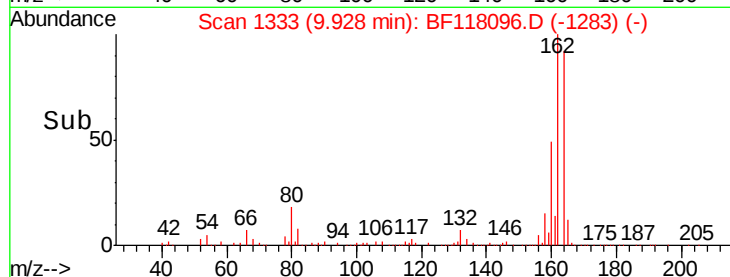
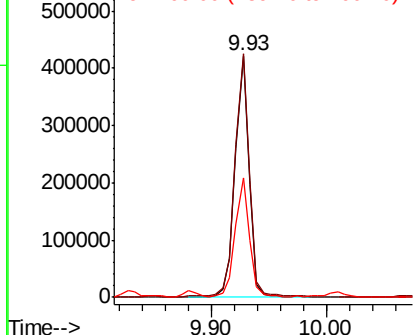
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF118096.D
 Acq: 4 Dec 2019 19:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 352117
 Ion Ratio Lower Upper
 164 100
 162 100.8 81.8 122.8
 160 49.4 35.9 53.9

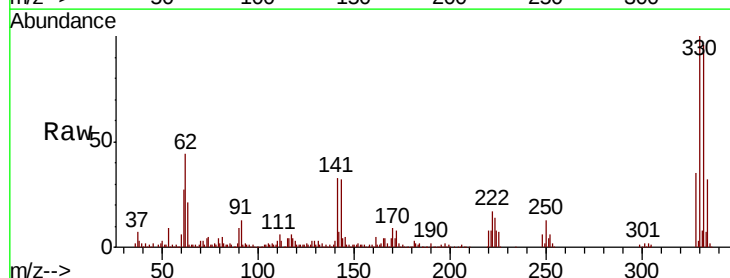


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

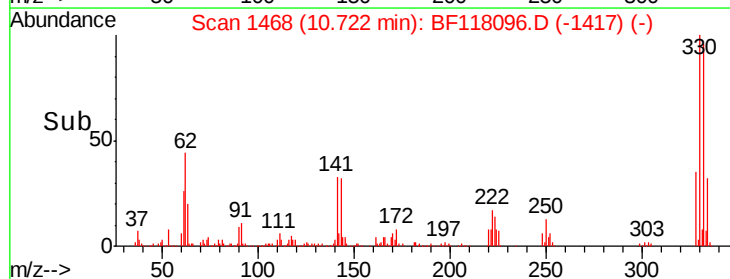
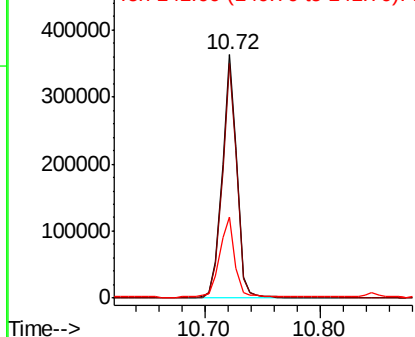


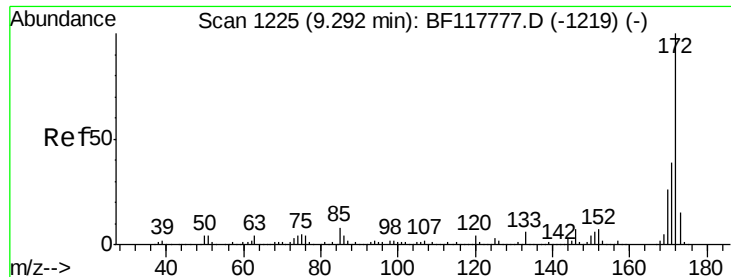
#42
 2,4,6-Tribromophenol
 Concen: 85.921 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF118096.D
 Acq: 4 Dec 2019 19:52

Tgt Ion:330 Resp: 320297
 Ion Ratio Lower Upper
 330 100
 332 96.6 78.3 117.5
 141 33.7 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

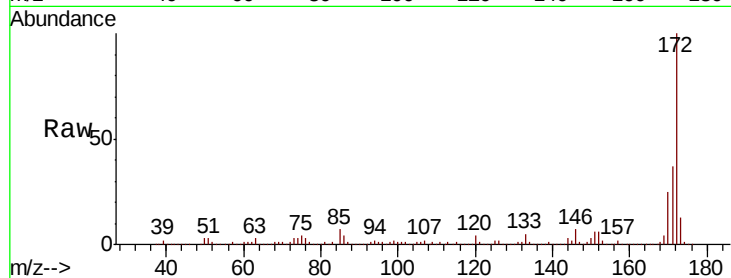




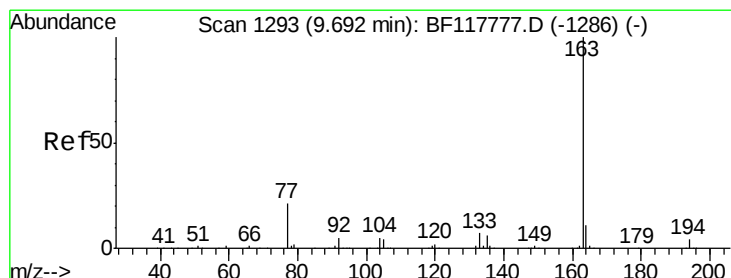
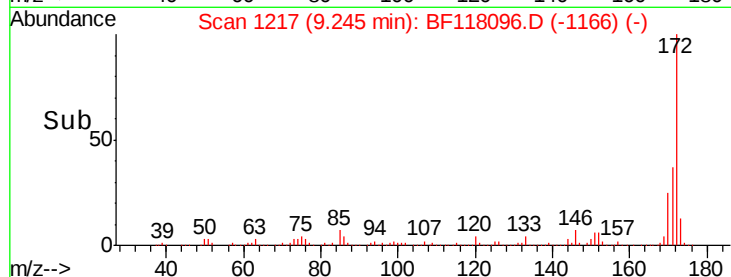
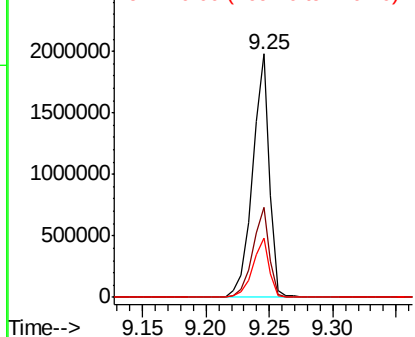
#45
 2-Fluorobiphenyl
 Concen: 93.470 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF118096.D
 Acq: 4 Dec 2019 19:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1834539
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.2 43.8
 170 24.5 19.3 28.9

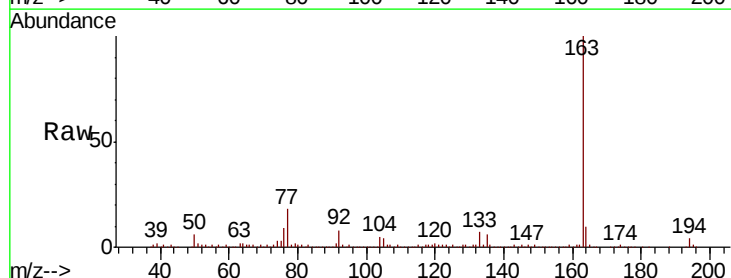


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

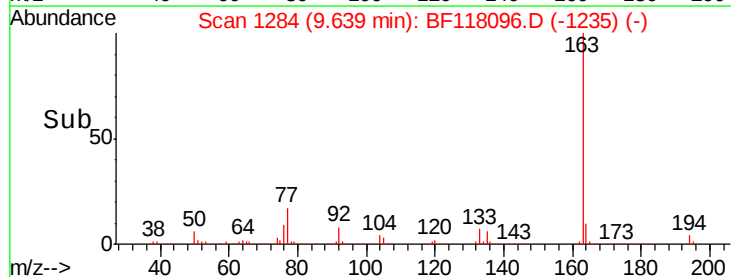
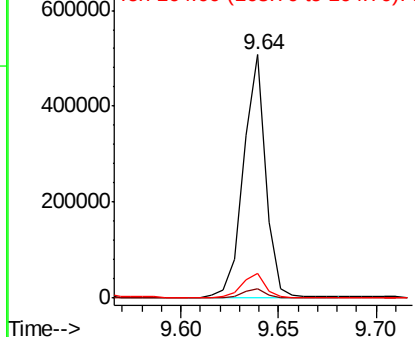


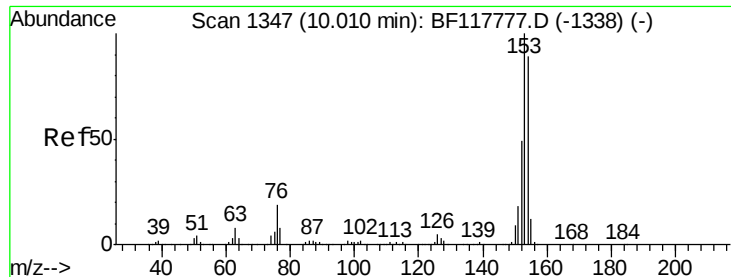
#50
 Dimethylphthalate
 Concen: 16.260 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: BF118096.D
 Acq: 4 Dec 2019 19:52

Tgt Ion:163 Resp: 401482
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.1 4.7
 164 10.4 7.9 11.9



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

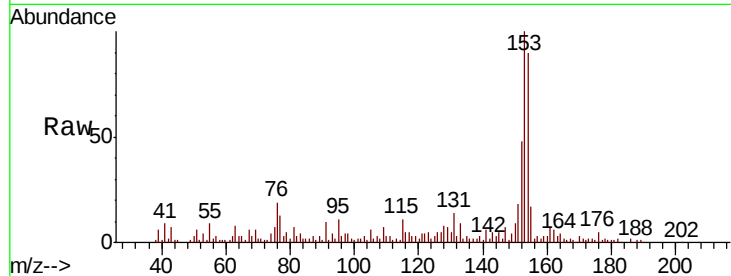




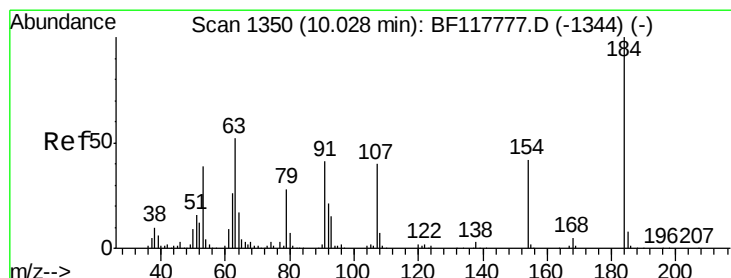
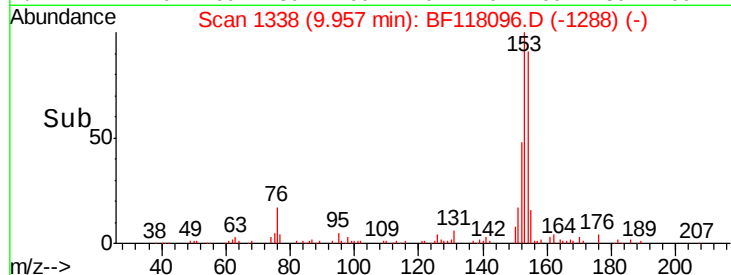
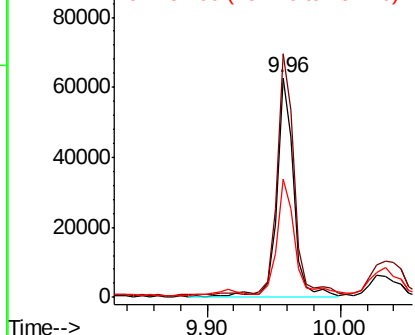
#52
Acenaphthene
Concen: 2.797 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF118096.D
Acq: 4 Dec 2019 19:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:154 Resp: 56135
Ion Ratio Lower Upper
154 100
153 110.8 91.2 136.8
152 53.6 43.6 65.4

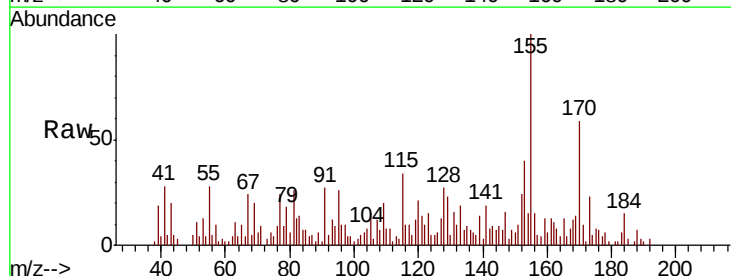


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

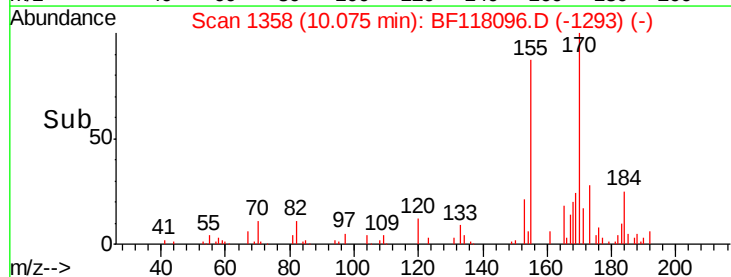
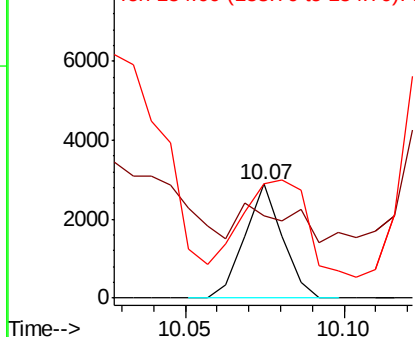


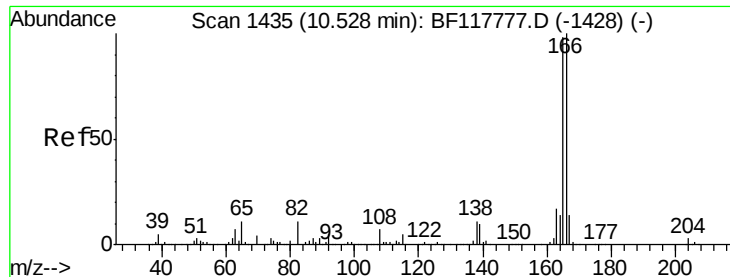
#54
2,4-Dinitrophenol
Concen: 8.007 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.08 min
Lab File: BF118096.D
Acq: 4 Dec 2019 19:52

Tgt Ion:184 Resp: 2385
Ion Ratio Lower Upper
184 100
63 72.5 45.3 67.9#
154 100.4 51.6 77.4#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

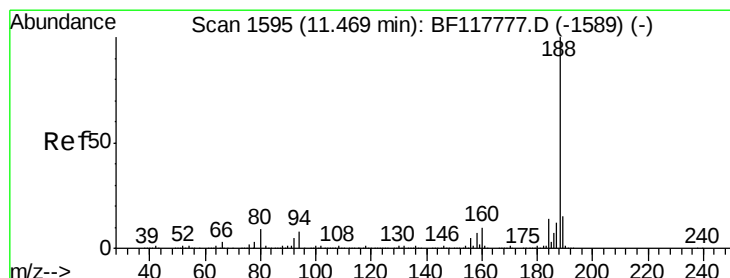
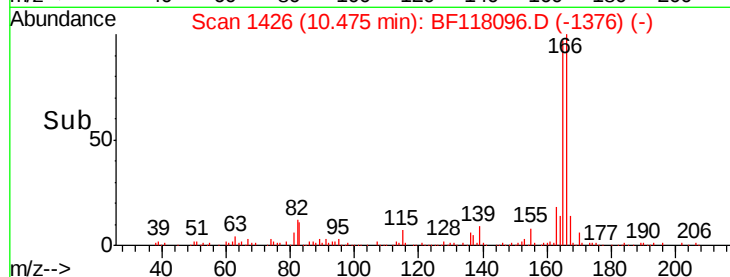
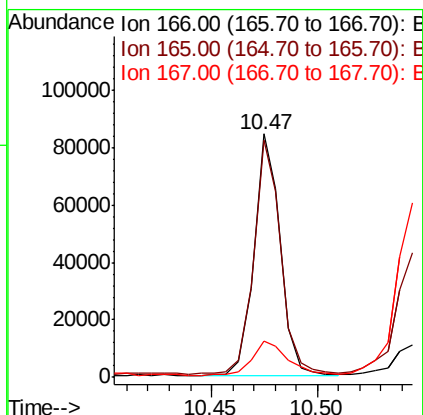
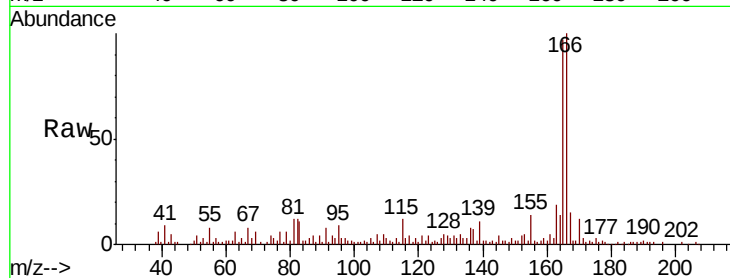




#58
 Fluorene
 Concen: 3.406 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF118096.D
 Acq: 4 Dec 2019 19:52

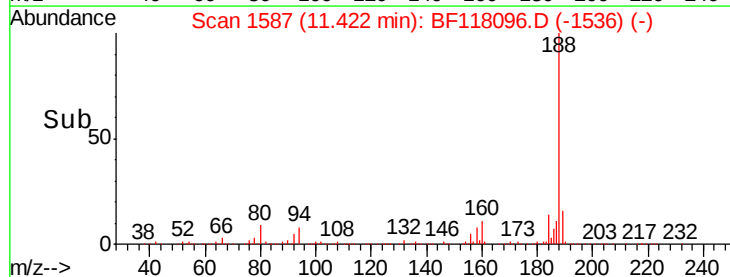
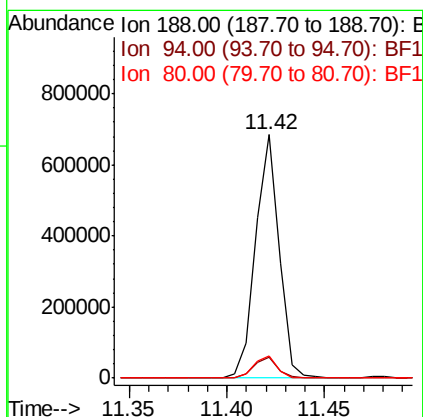
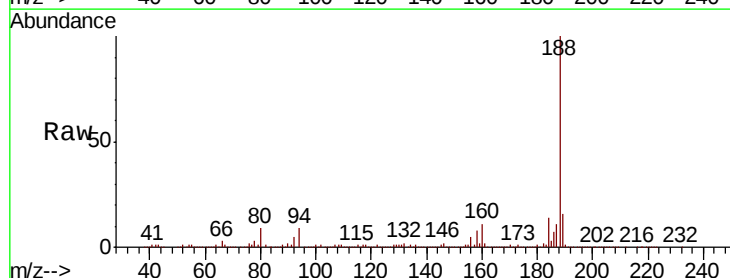
Instrument :
 BNA_F
 ClientSampleId :

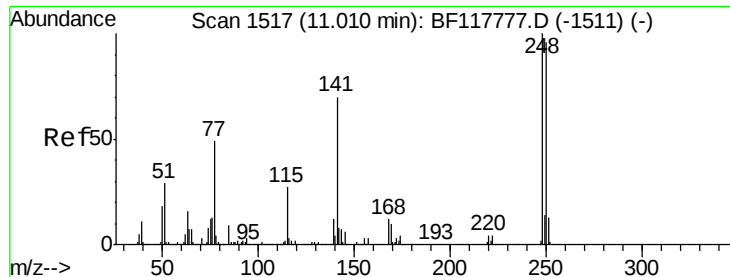
Tot Ion:166 Resp: 73351
 Ion Ratio Lower Upper
 166 100
 165 97.5 77.4 116.2
 167 14.9 10.7 16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: BF118096.D
 Acq: 4 Dec 2019 19:52

Tgt Ion:188 Resp: 569870
 Ion Ratio Lower Upper
 188 100
 94 8.7 7.0 10.6
 80 8.9 7.2 10.8

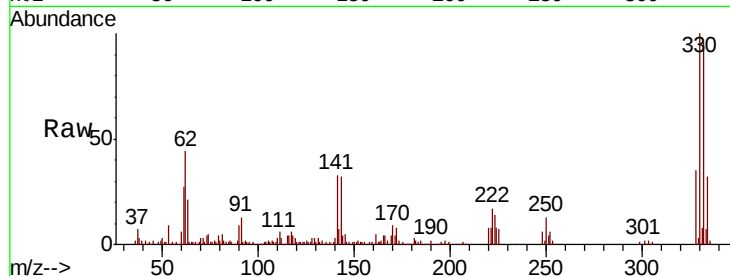




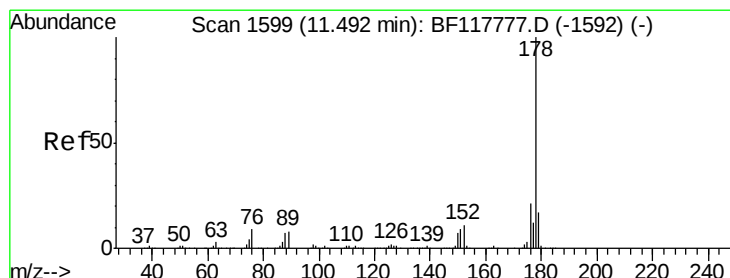
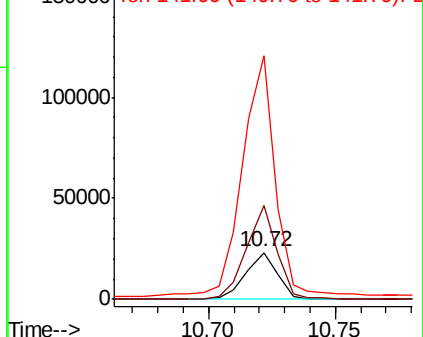
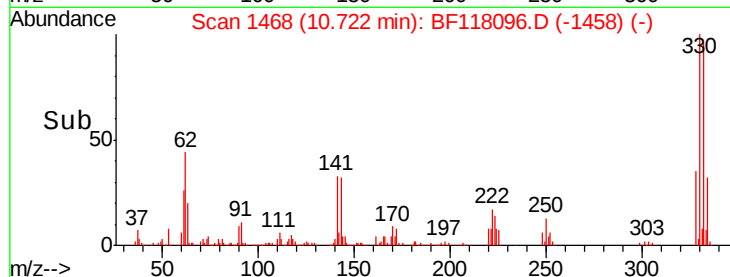
#67
4-Bromophenyl-phenylether
Concen: 3.282 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF118096.D
Acq: 4 Dec 2019 19:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 20182
Ion Ratio Lower Upper
248 100
250 201.4 78.0 117.0#
141 522.2 64.0 96.0#

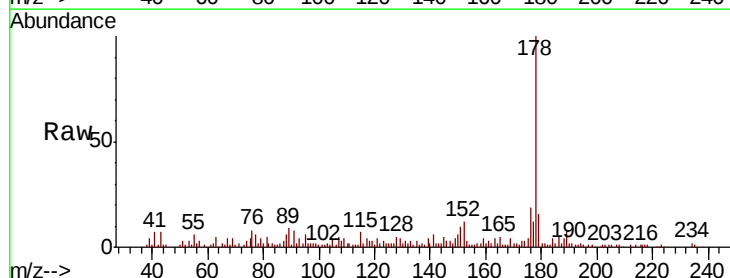


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

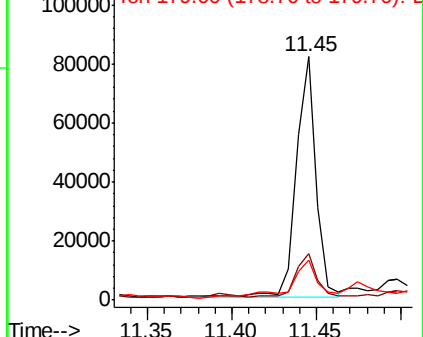
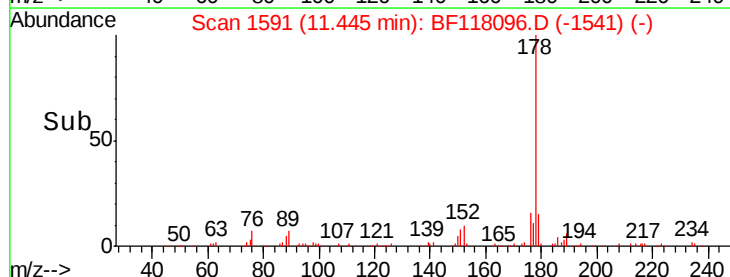


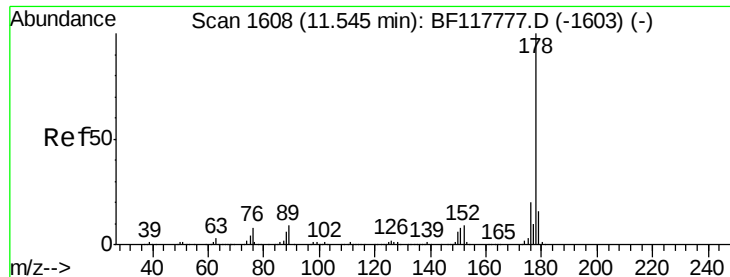
#71
Phenanthrene
Concen: 2.327 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF118096.D
Acq: 4 Dec 2019 19:52

Tgt Ion:178 Resp: 66676
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 16.4 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.347 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.05 min

Lab File: BF118096.D

Acq: 4 Dec 2019 19:52

Instrument :

BNA_F

ClientSampleId :

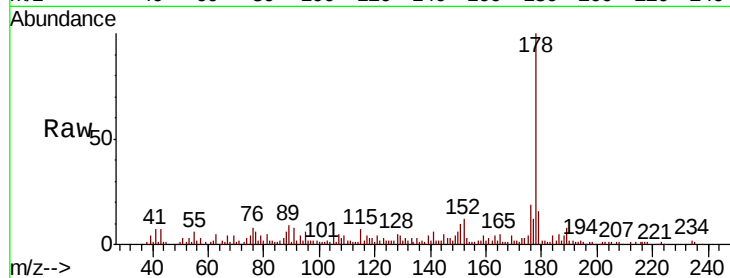
Tot Ion:178 Resp: 66676

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.6

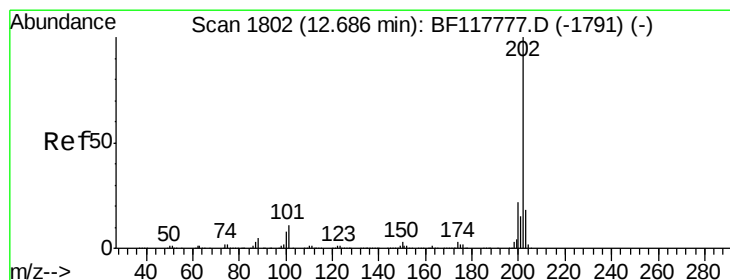
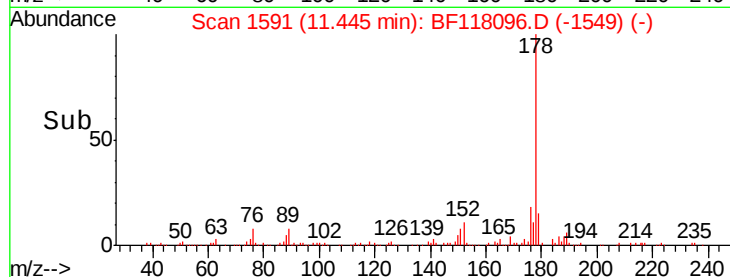
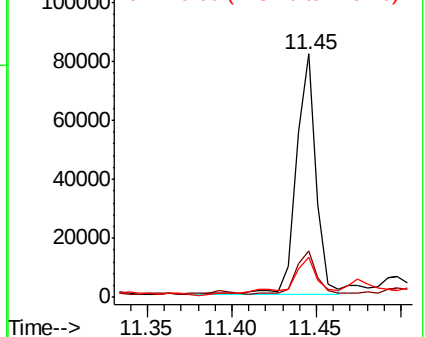
179 16.4 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: Below Cal

RT: 12.64 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF118096.D

Acq: 4 Dec 2019 19:52

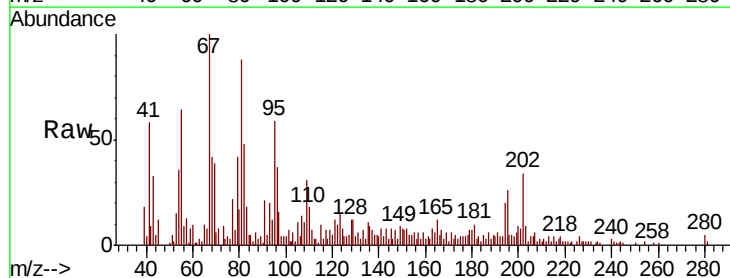
Tgt Ion:202 Resp: 7665

Ion Ratio Lower Upper

202 100

101 25.3 0.0 31.5

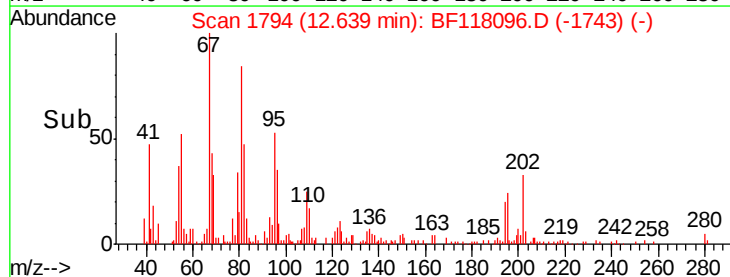
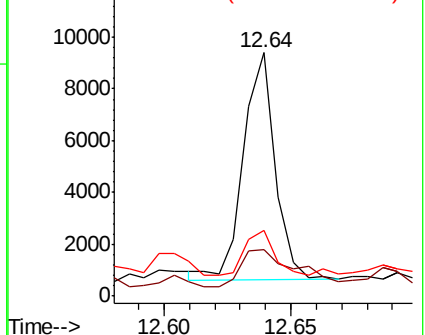
203 27.1 0.0 37.6

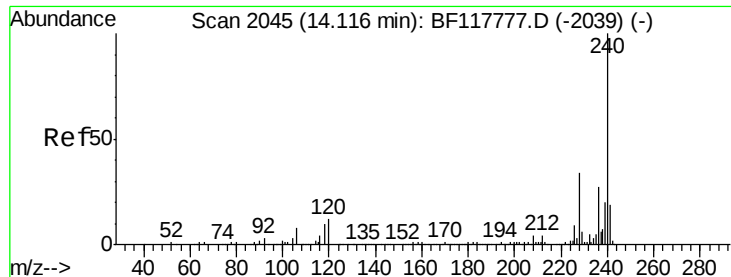


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

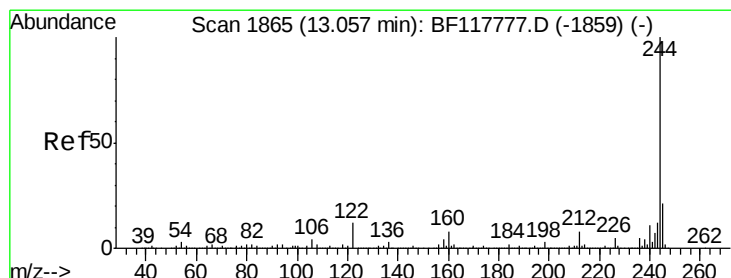
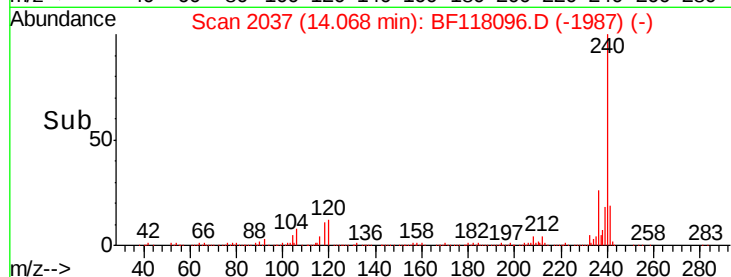
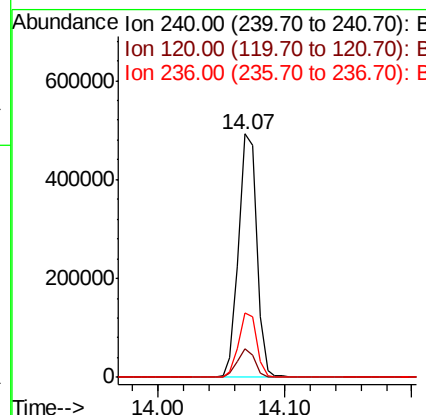
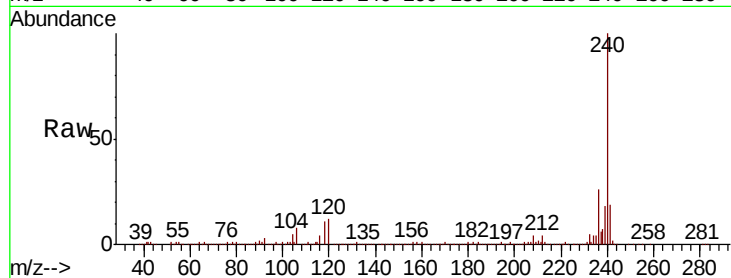




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF118096.D
 Acq: 4 Dec 2019 19:52

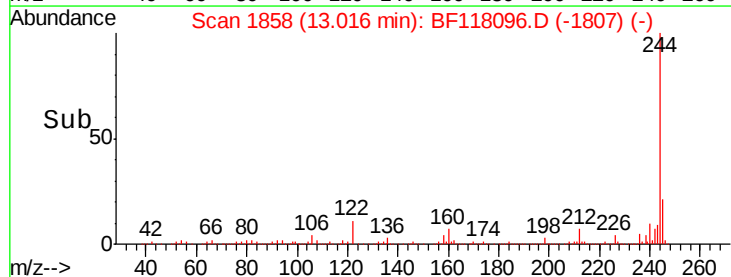
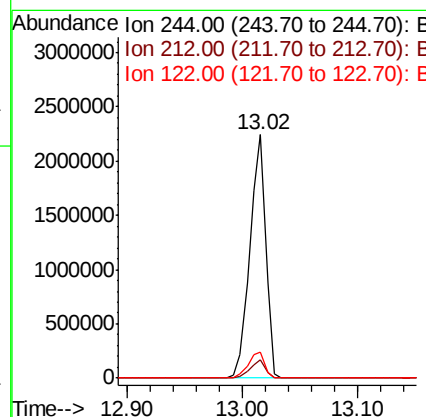
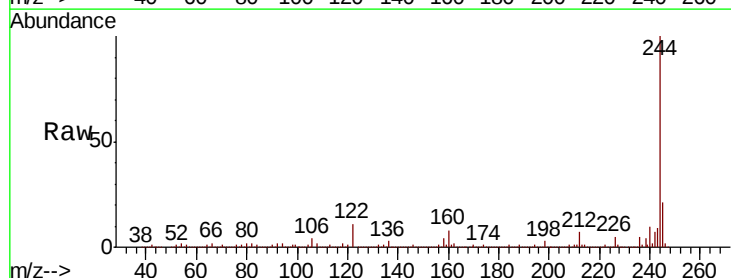
Instrument :
 BNA_F
 ClientSampleId :

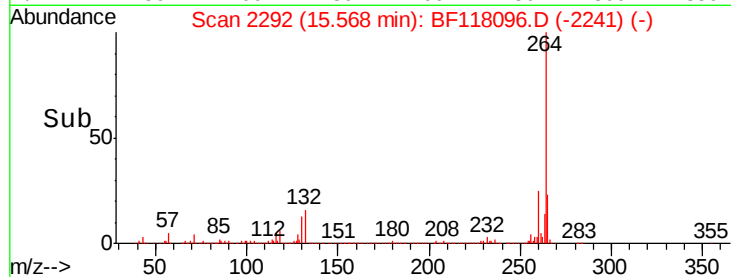
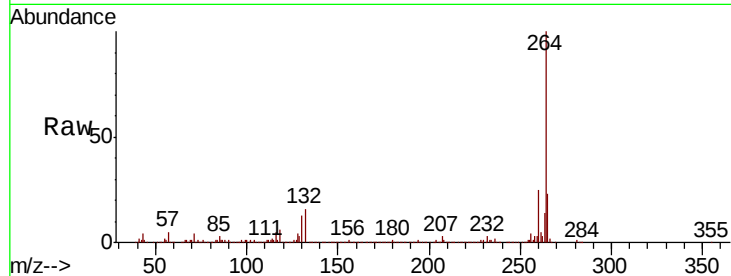
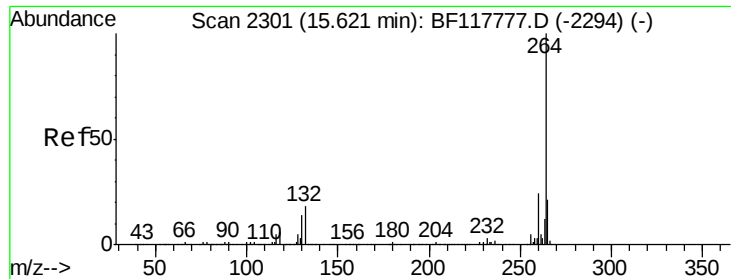
Tot Ion:240 Resp: 485440
 Ion Ratio Lower Upper
 240 100
 120 11.7 8.4 12.6
 236 26.4 20.6 31.0



#79
 Terphenyl-d14
 Concen: 79.991 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: BF118096.D
 Acq: 4 Dec 2019 19:52

Tgt Ion:244 Resp: 2124673
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.2 7.8
 122 10.8 7.2 10.8#





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF118096.D
Acq: 4 Dec 2019 19:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.6
265	22.7	16.4	24.6

