

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
 Data File : BF118098.D
 Acq On : 4 Dec 2019 20:47
 Operator : JU
 Sample : K6098-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:40:57 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	145868	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	573791	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	305655	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	577529	20.00	ng	0.00
76) Chrysene-d12	14.07	240	411867	20.00	ng	0.00
87) Perylene-d12	15.57	264	352679	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	920891	111.75	ng	0.01
7) Phenol-d6	6.50	99	844715	84.99	ng	0.00
23) Nitrobenzene-d5	7.45	82	919597	95.27	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	545189	168.48	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1754125	102.96	ng	0.00
79) Terphenyl-d14	13.02	244	2259011	100.24	ng	0.00

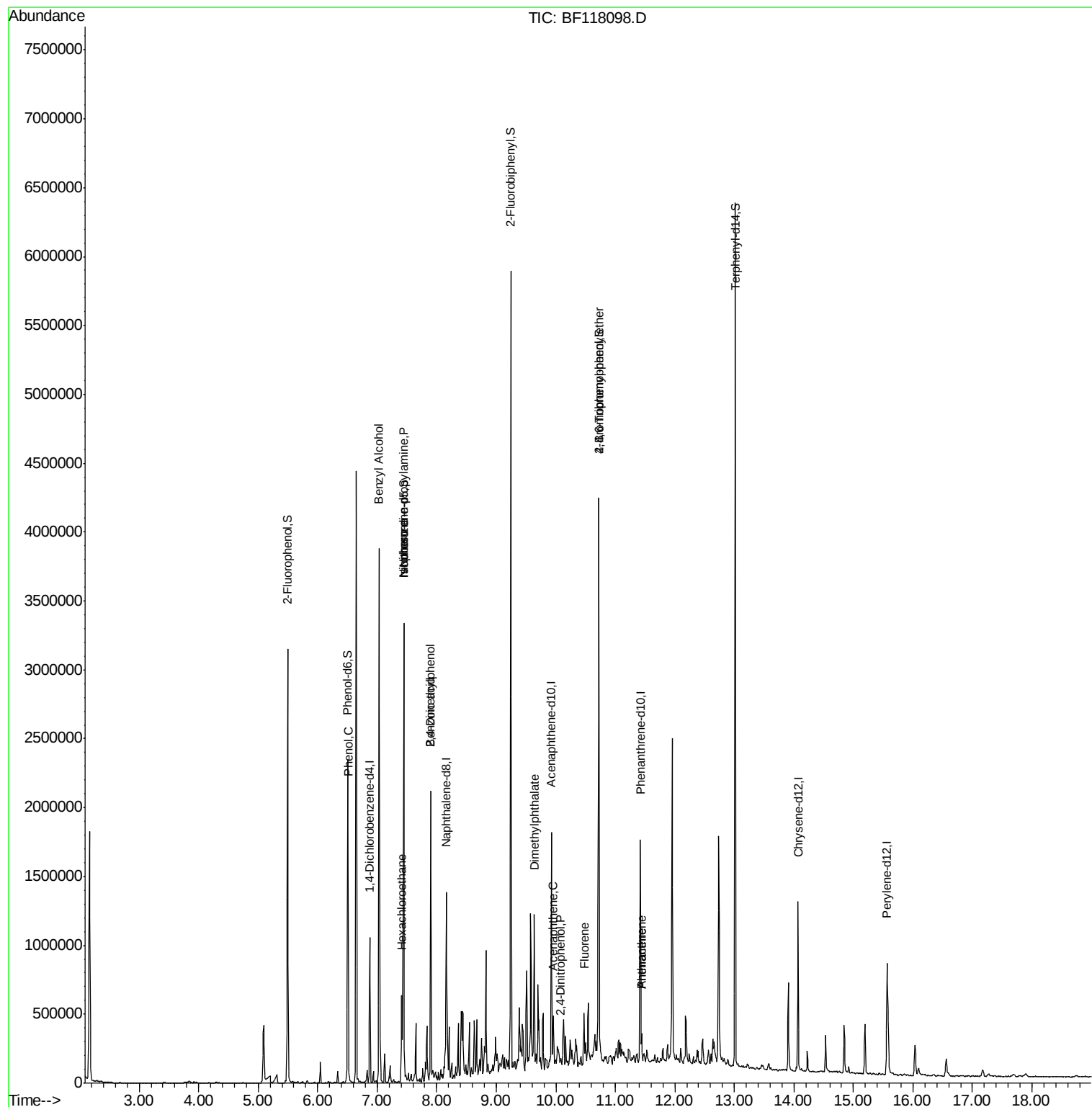
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	2713	Below Cal		83
10) Phenol	6.52	94	145581	14.095	ng	99
15) Benzyl Alcohol	7.03	79	21837	2.846	ng	# 48
18) Hexachloroethane	7.41	117	74688	19.107	ng	# 23
19) n-Nitroso-di-n-propylamine	7.45	70	126733	20.668	ng	# 74
25) Isophorone	7.45	82	916503	51.805	ng	# 63
27) 2,4-Dimethylphenol	7.90	122	52136	6.923	ng	# 8
32) Benzoic acid	7.90	122	52136	8.268	ng	# 12
50) Dimethylphthalate	9.64	163	412819	19.260	ng	99
52) Acenaphthene	9.96	154	59724	3.428	ng	99
54) 2,4-Dinitrophenol	10.07	184	320	7.346	ng	# 1
58) Fluorene	10.47	166	88981	4.759	ng	96
67) 4-Bromophenyl-phenylether	10.72	248	34300	5.504	ng	# 1
71) Phenanthrene	11.45	178	67613	2.329	ng	99
72) Anthracene	11.45	178	67613	2.349	ng	99
75) Fluoranthene	12.64	202	6247	Below Cal		76

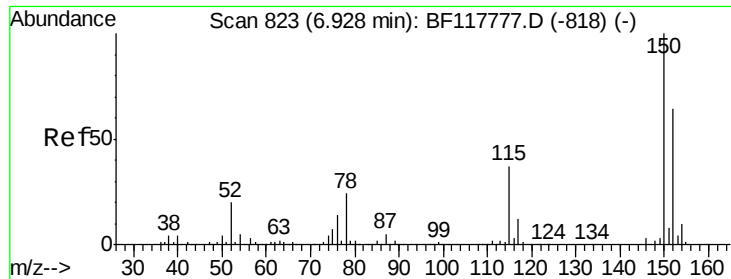
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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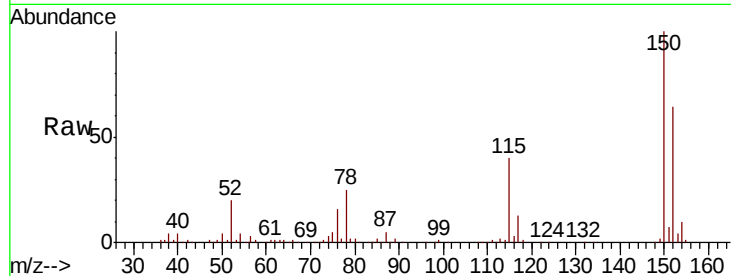


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	121.4	182.2
115	63.3	48.8	73.2

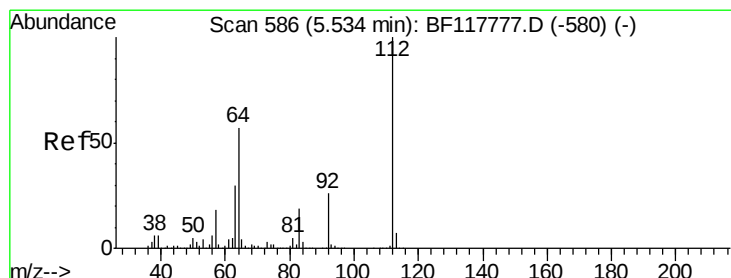
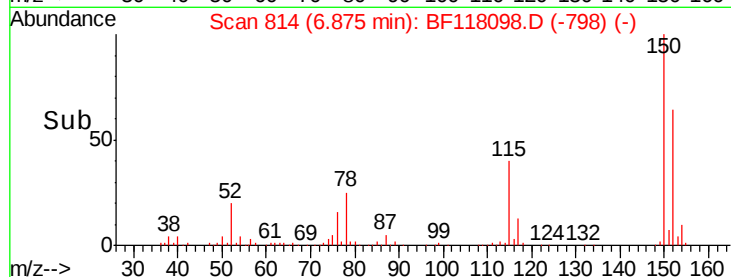
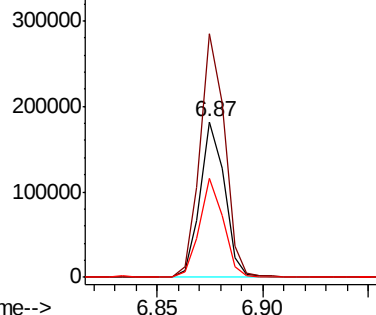


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

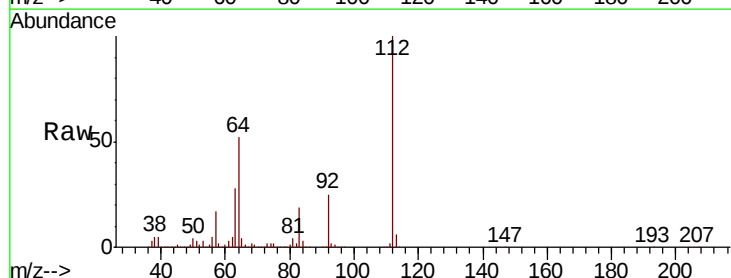
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 111.750 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	45.1	67.7
63	28.2	24.6	37.0

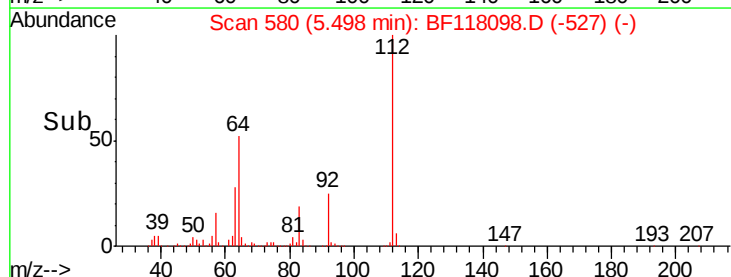
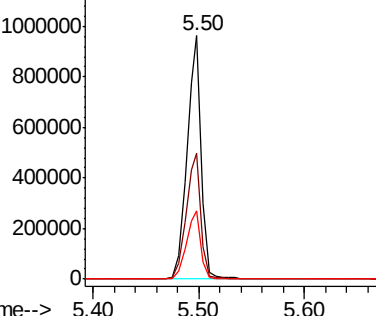


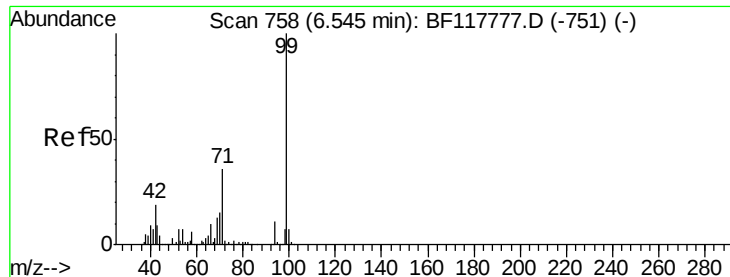
Abundance

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: 84.985 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118098.D

Acq: 4 Dec 2019 20:47

Instrument :

BNA_F

ClientSampleId :

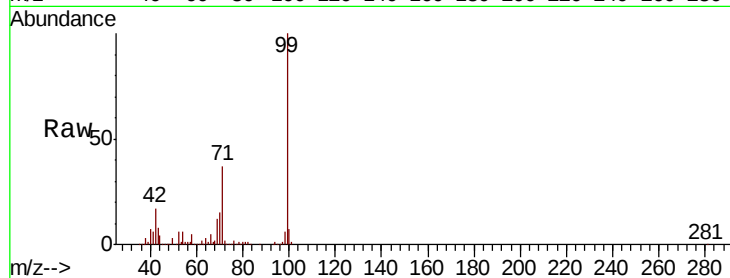
Tot Ion: 99 Resp: 844715

Ion Ratio Lower Upper

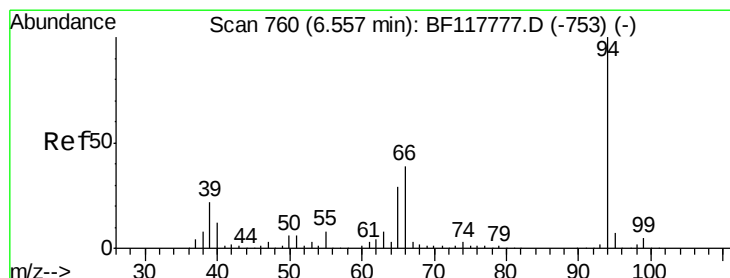
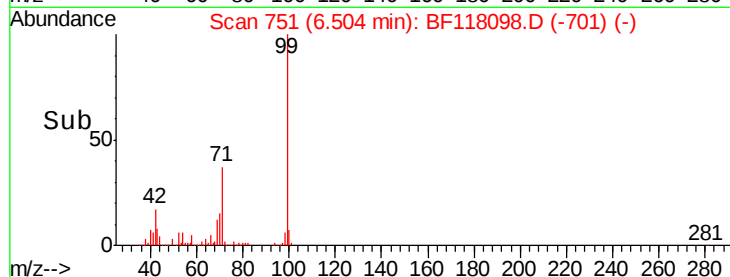
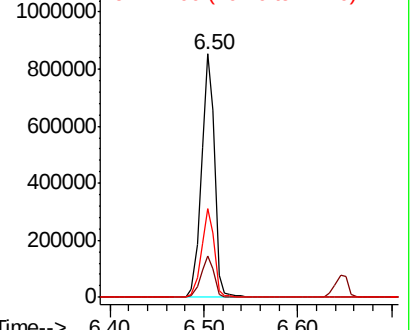
99 100

42 17.1 14.0 21.0

71 36.5 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: 14.095 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118098.D

Acq: 4 Dec 2019 20:47

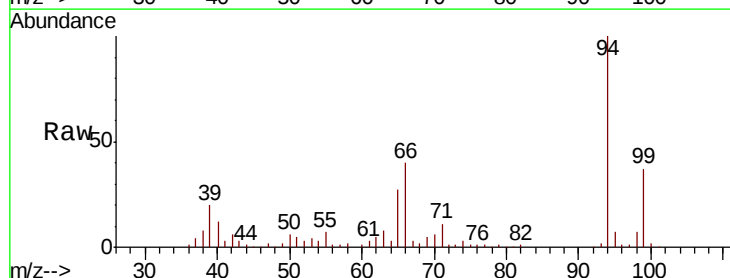
Tgt Ion: 94 Resp: 145581

Ion Ratio Lower Upper

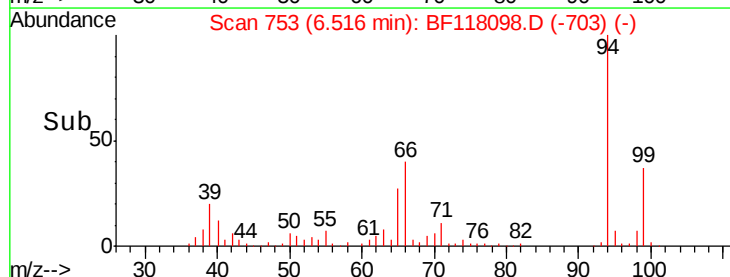
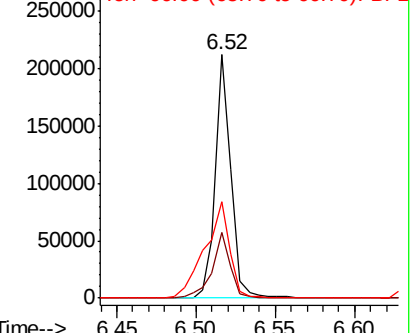
94 100

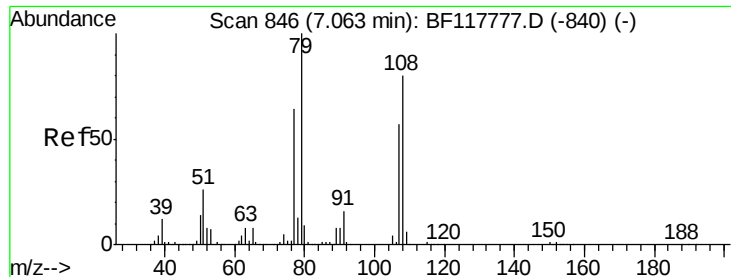
65 27.2 6.9 46.9

66 39.5 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: 2.846 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.01 min

Lab File: BF118098.D

Acq: 4 Dec 2019 20:47

Instrument :

BNA_F

ClientSampleId :

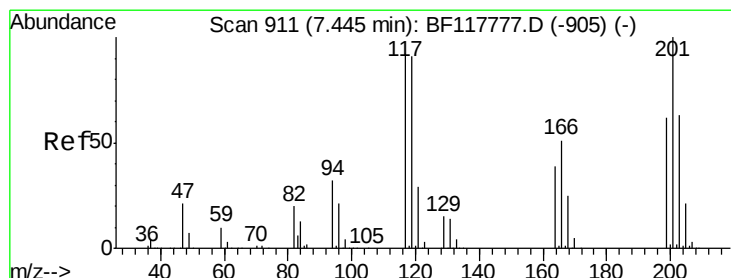
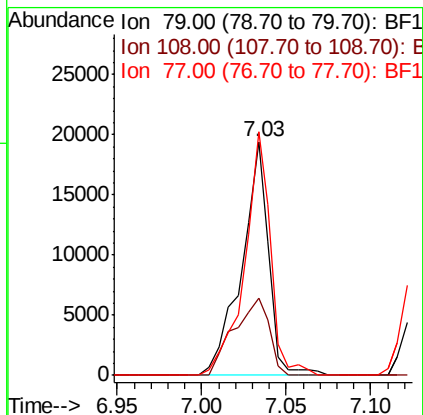
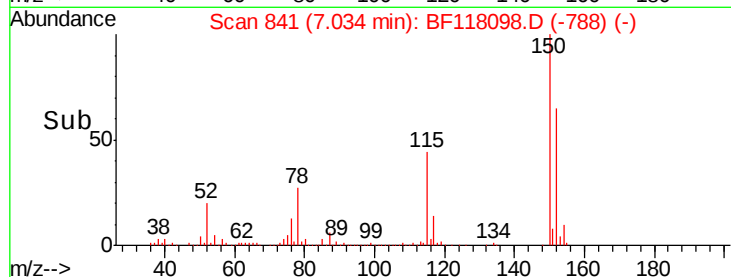
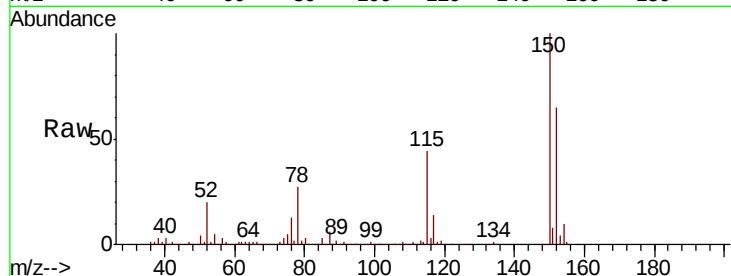
Tot Ion: 79 Resp: 21837

Ion Ratio Lower Upper

79 100

108 33.2 63.1 94.7#

77 104.2 50.6 76.0#



#18

Hexachloroethane

Concen: 19.107 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.02 min

Lab File: BF118098.D

Acq: 4 Dec 2019 20:47

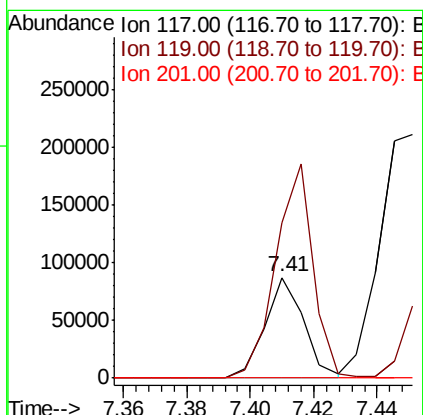
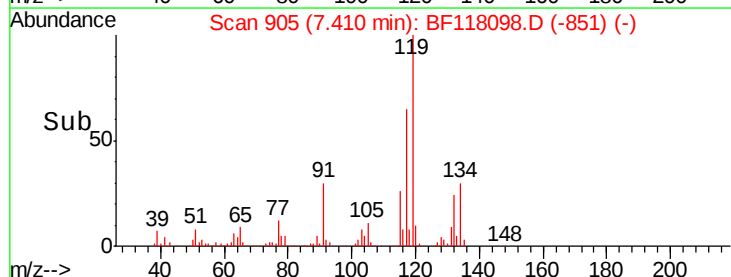
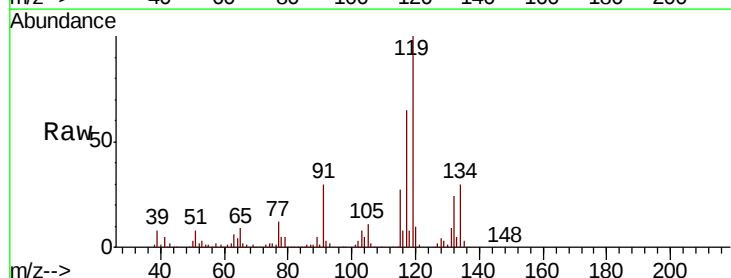
Tgt Ion: 117 Resp: 74688

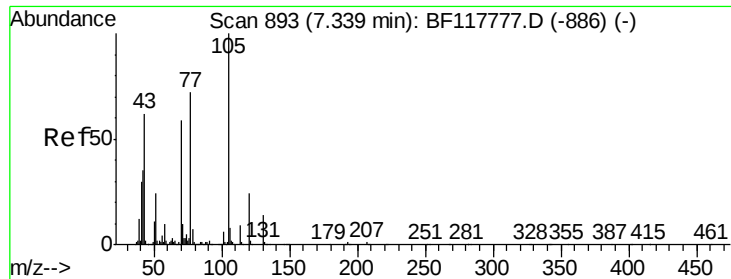
Ion Ratio Lower Upper

117 100

119 154.4 76.4 114.6#

201 0.0 71.7 107.5#

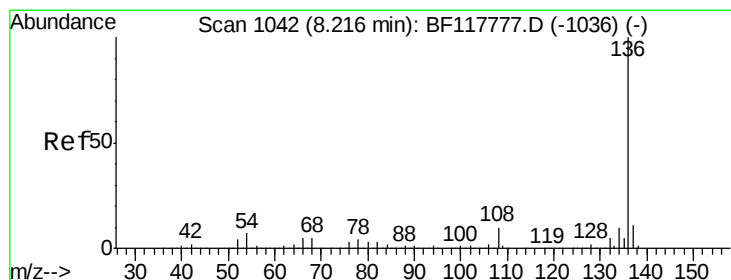
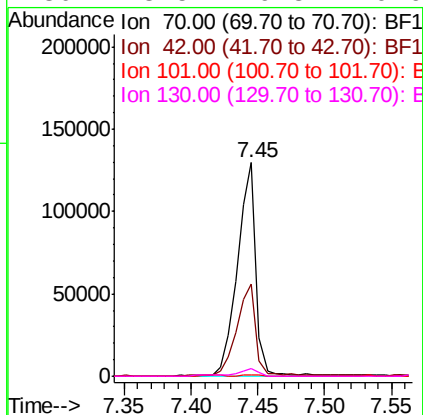
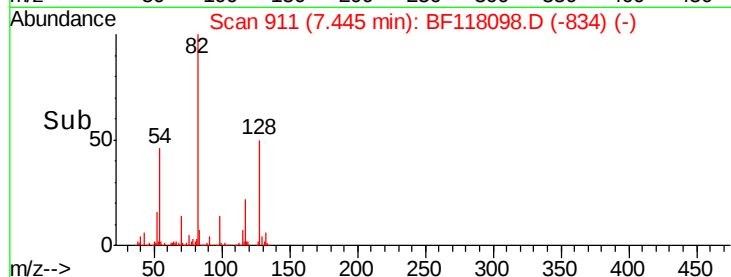
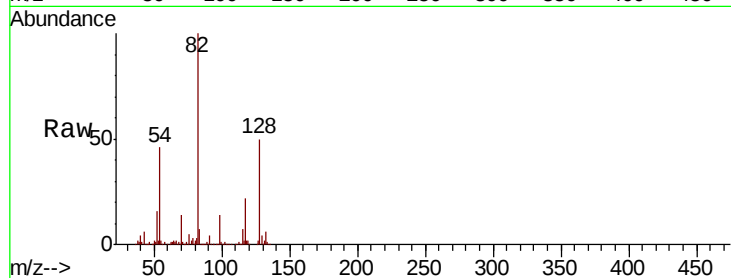




#19
n-Nitroso-di-n-propylamine
Concen: 20.668 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

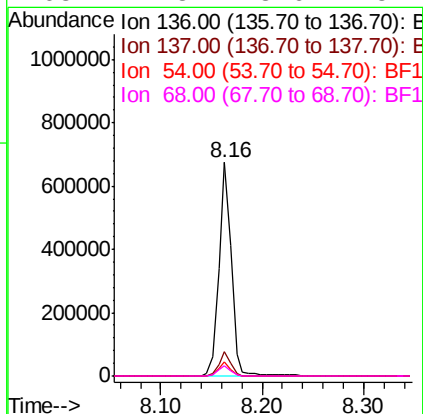
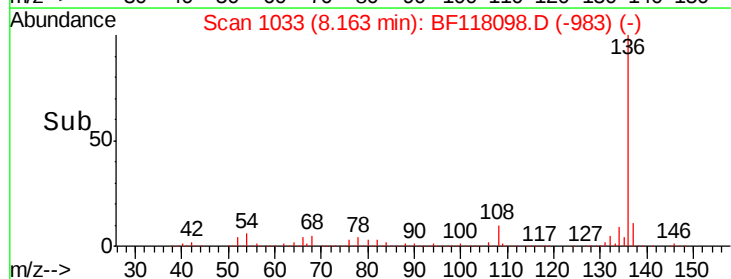
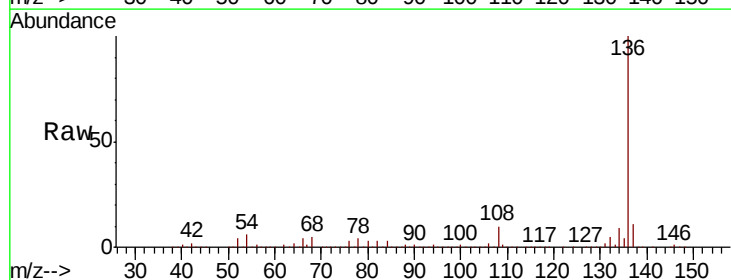
Instrument :
BNA_F
ClientSampleId :

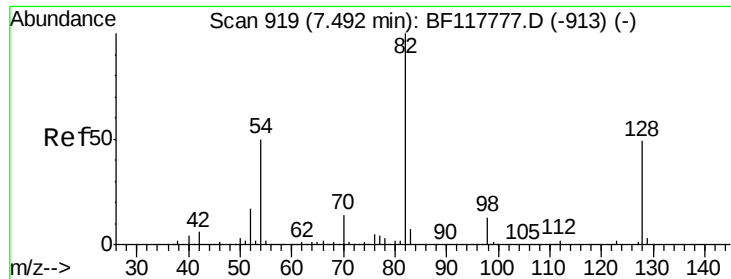
Tot Ion	Ratio	Lower	Upper
70	100		
42	43.3	46.0	69.0#
101	0.9	8.8	13.2#
130	3.5	19.8	29.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	6.3	4.9	7.3
68	4.8	3.6	5.4

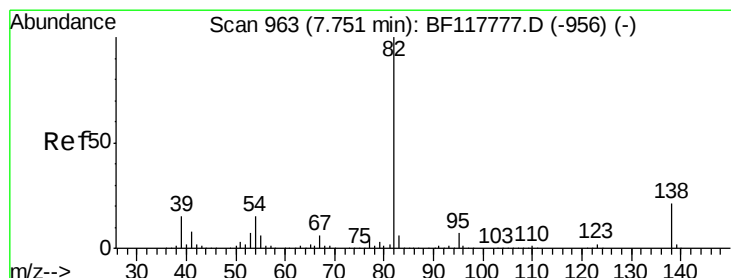
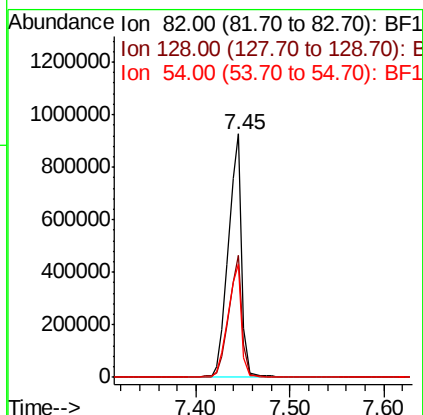
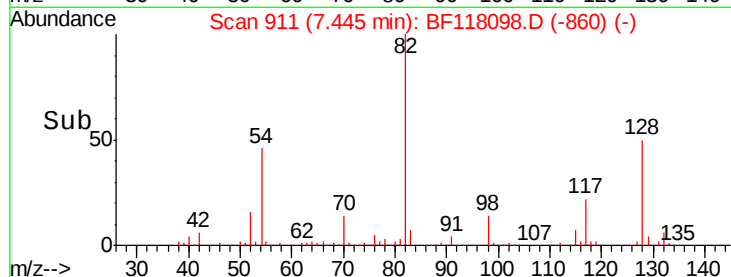
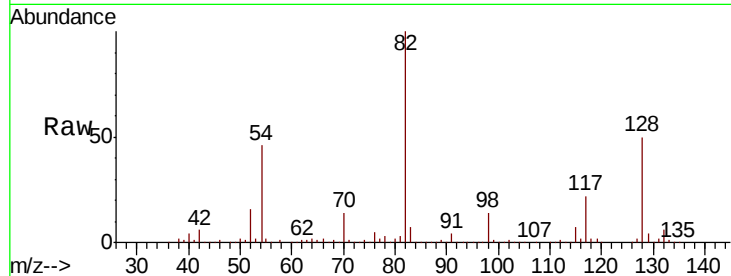




#23
Nitrobenzene-d5
Concen: 95.272 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.00 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

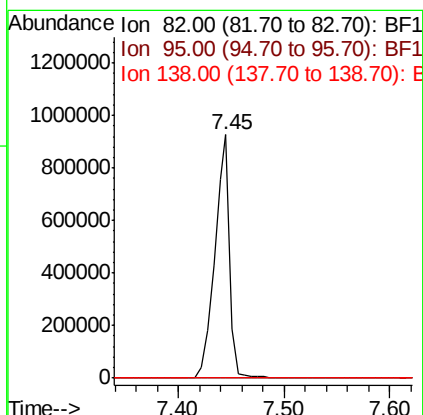
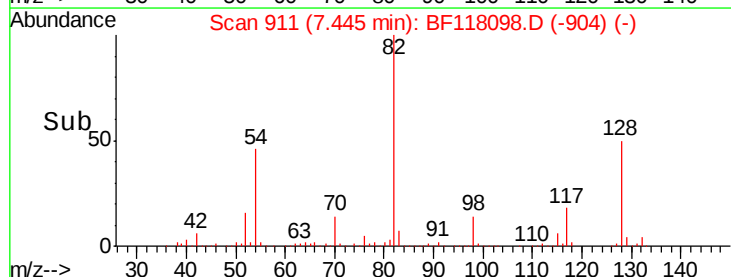
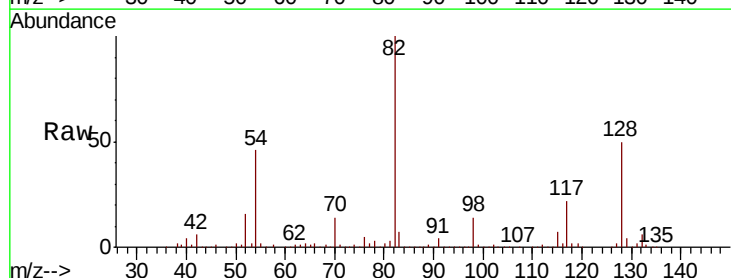
Instrument :
BNA_F
ClientSampleId :

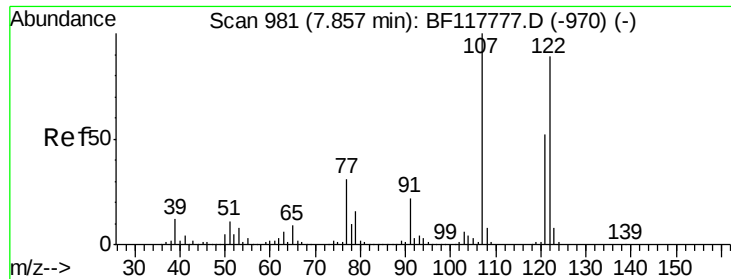
Tot Ion: 82 Resp: 919597
Ion Ratio Lower Upper
82 100
128 50.2 38.2 57.4
54 46.3 39.0 58.4



#25
Isophorone
Concen: 51.805 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

Tgt Ion: 82 Resp: 916503
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 15.9 23.9#

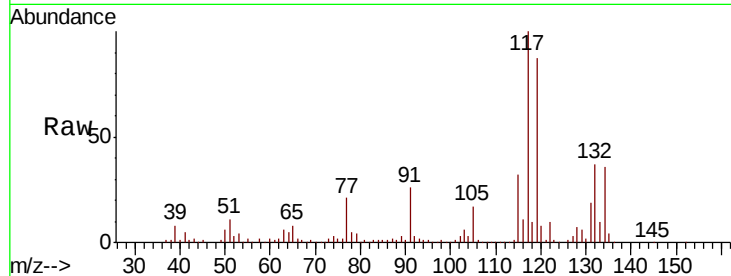




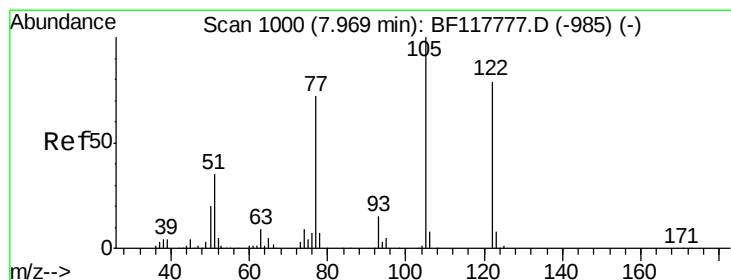
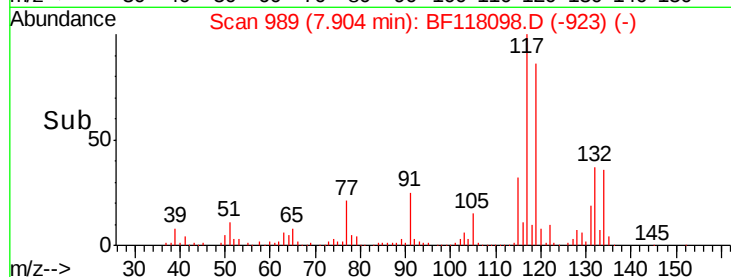
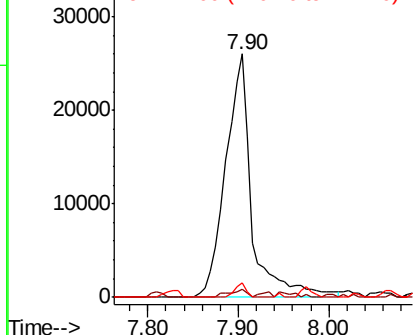
#27
2,4-Dimethylphenol
Concen: 6.923 ng
RT: 7.90 min Scan# 989
Delta R.T. 0.09 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 52136
Ion Ratio Lower Upper
122 100
107 3.2 92.6 138.8#
121 5.9 46.9 70.3#

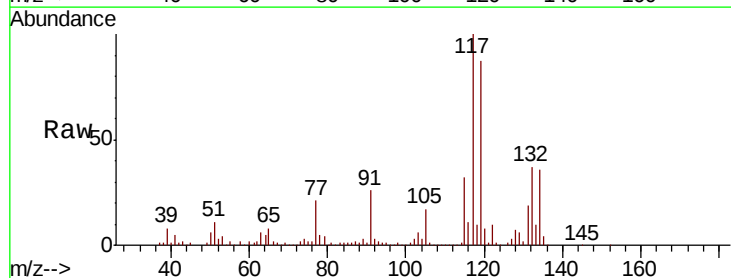


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

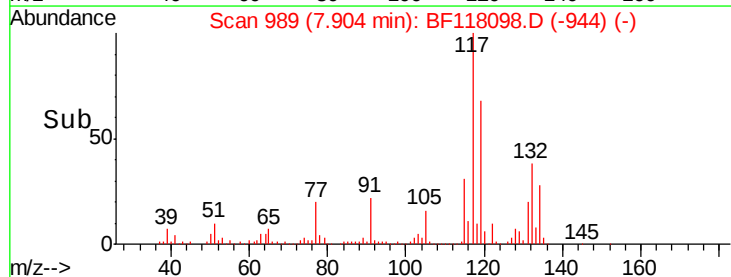
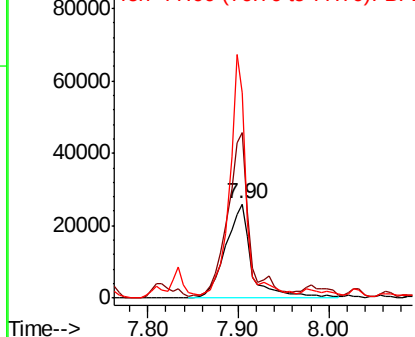


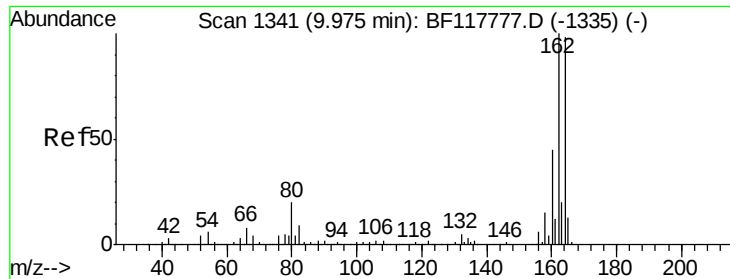
#32
Benzoic acid
Concen: 8.268 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.04 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

Tgt Ion:122 Resp: 52136
Ion Ratio Lower Upper
122 100
105 176.0 101.4 141.4#
77 217.2 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

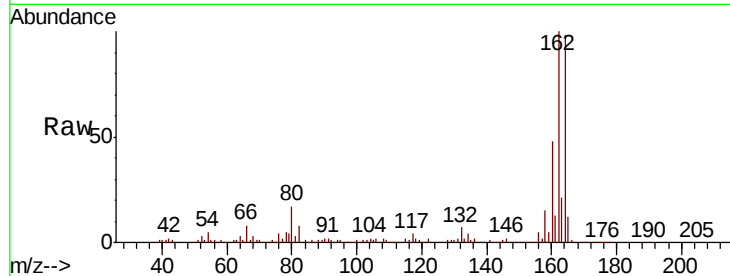




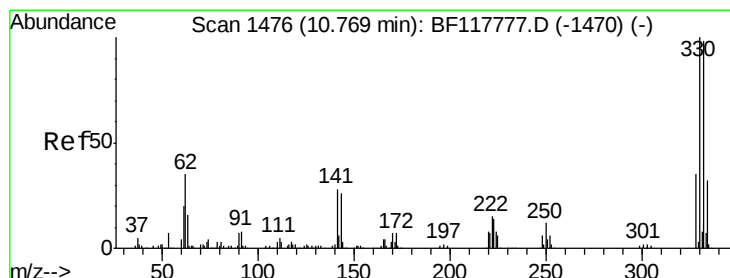
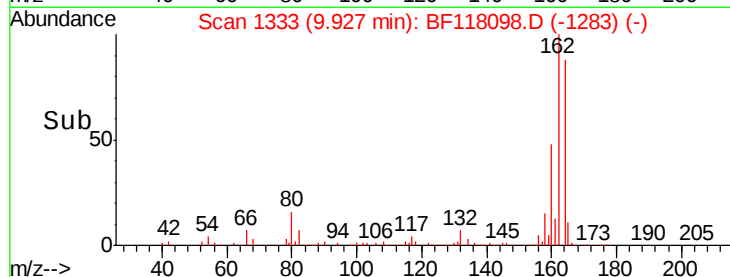
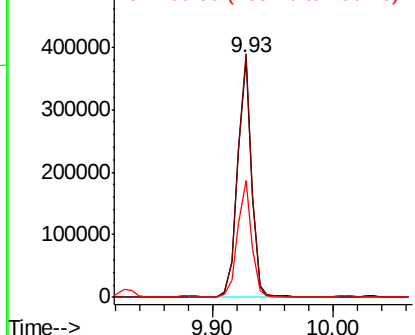
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 305655
Ion Ratio Lower Upper
164 100
162 101.9 81.8 122.8
160 48.8 35.9 53.9

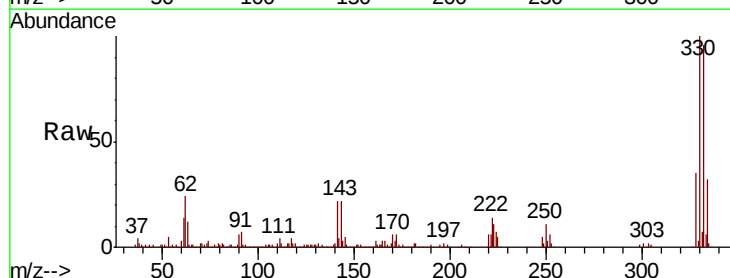


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

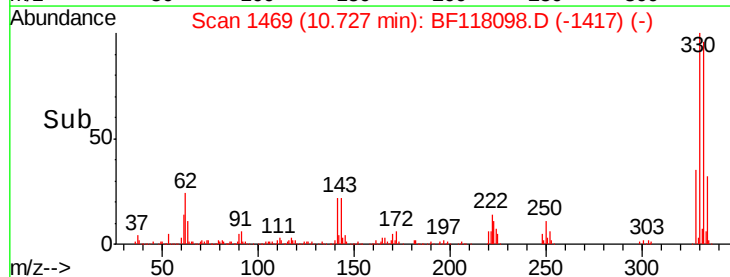
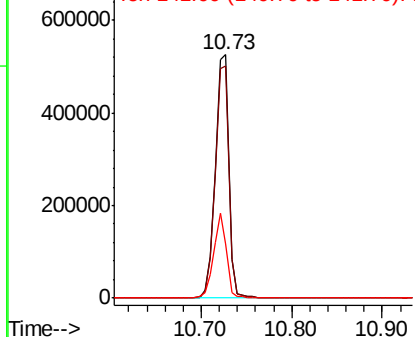


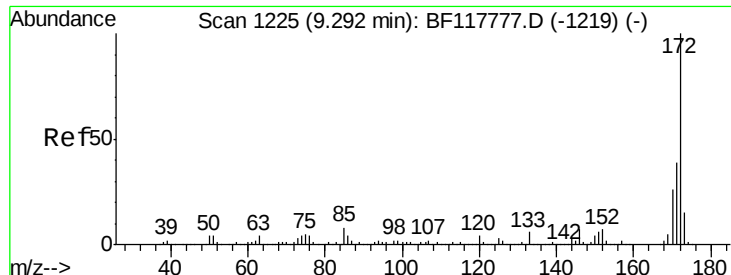
#42
2,4,6-Tribromophenol
Concen: 168.479 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

Tgt Ion:330 Resp: 545189
Ion Ratio Lower Upper
330 100
332 96.6 78.3 117.5
141 32.3 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

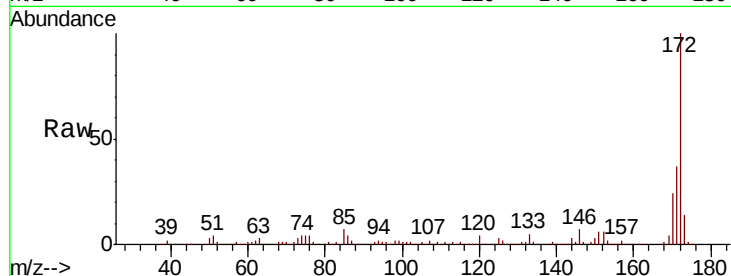




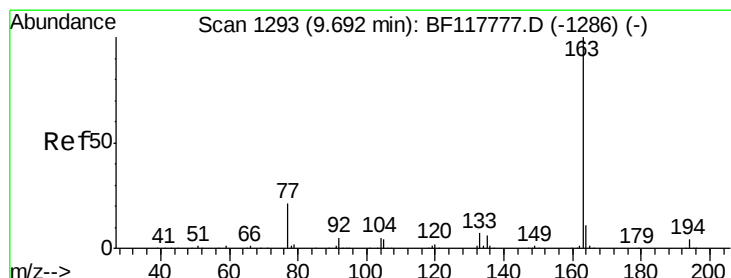
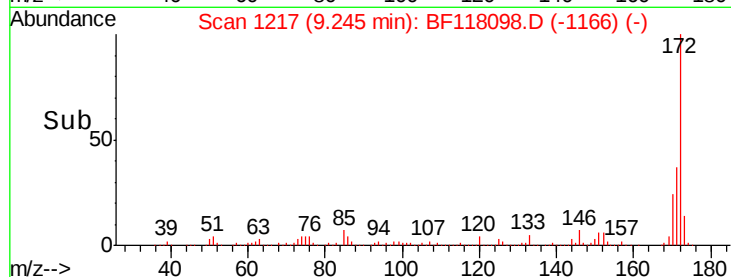
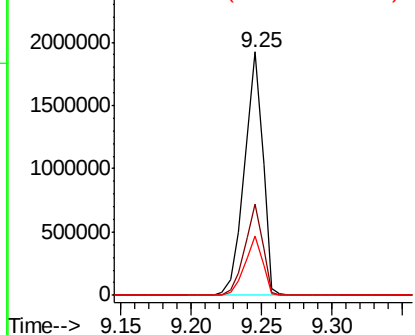
#45
2-Fluorobiphenyl
Concen: 102.958 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.00 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1754125
Ion Ratio Lower Upper
172 100
171 37.3 29.2 43.8
170 24.4 19.3 28.9

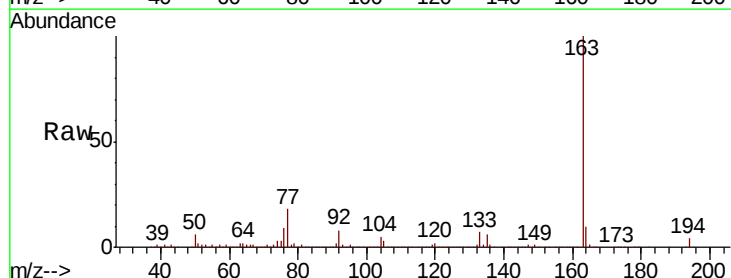


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

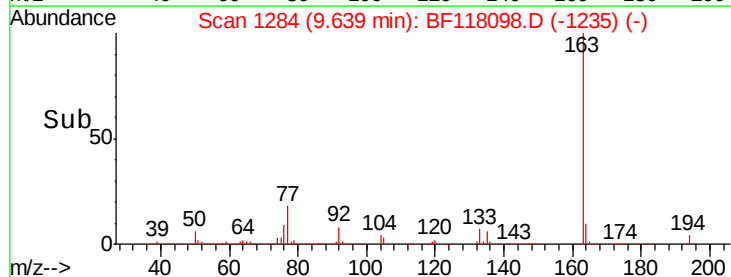
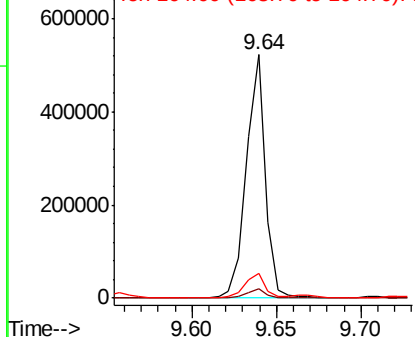


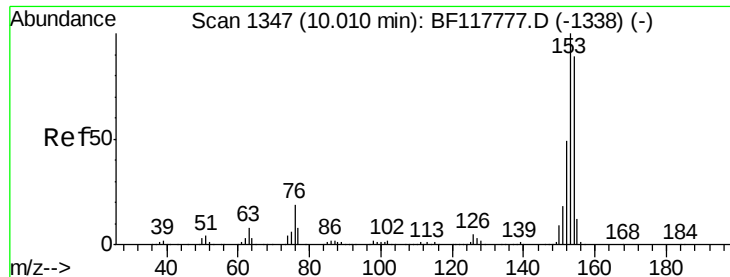
#50
Dimethylphthalate
Concen: 19.260 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

Tgt Ion:163 Resp: 412819
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.2 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

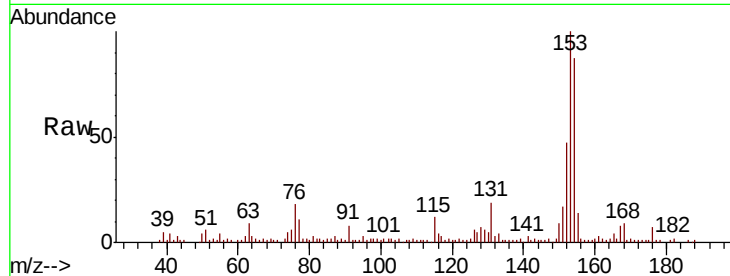




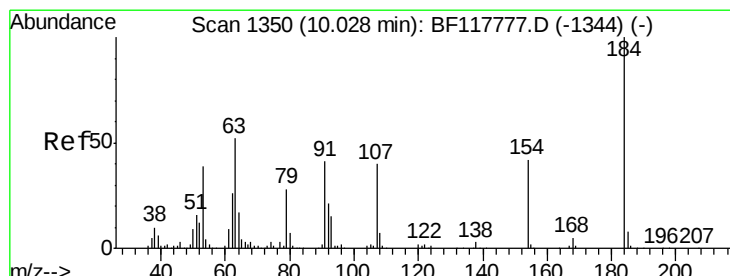
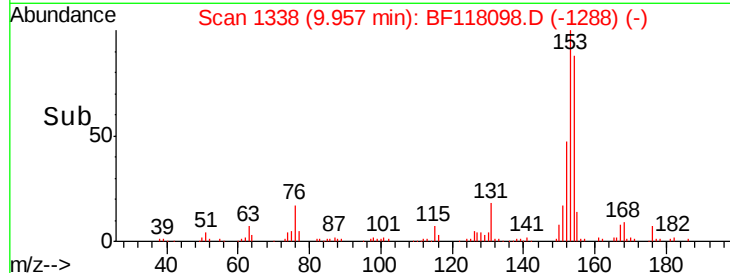
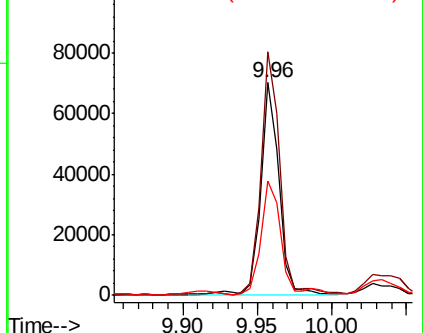
#52
Acenaphthene
Concen: 3.428 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:154 Resp: 59724
Ion Ratio Lower Upper
154 100
153 114.4 91.2 136.8
152 53.8 43.6 65.4

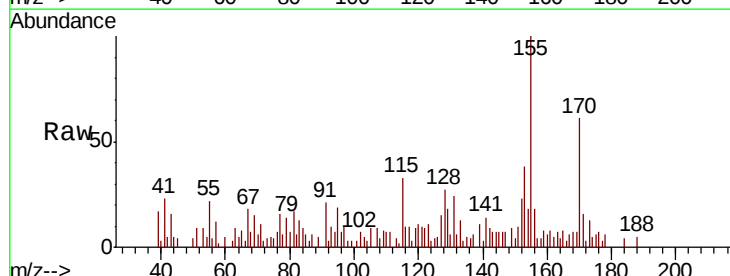


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

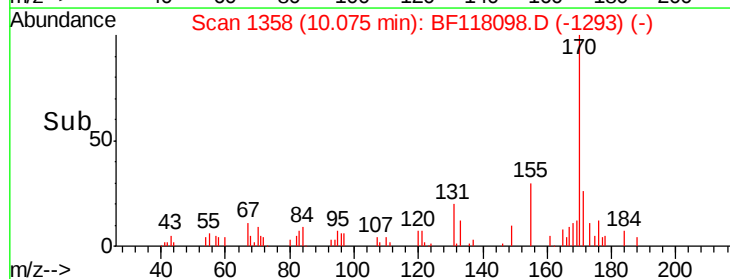
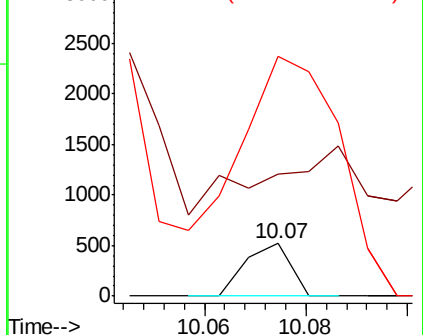


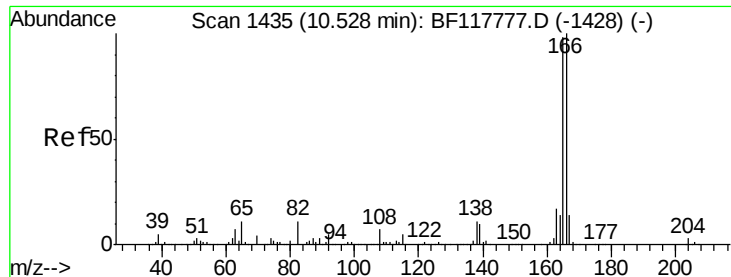
#54
2,4-Dinitrophenol
Concen: 7.346 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.08 min
Lab File: BF118098.D
Acq: 4 Dec 2019 20:47

Tgt Ion:184 Resp: 320
Ion Ratio Lower Upper
184 100
63 233.9 45.3 67.9#
154 456.3 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

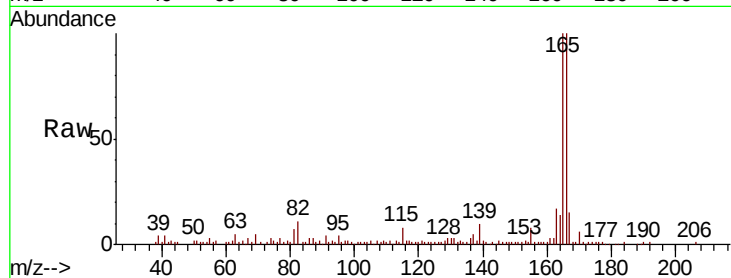




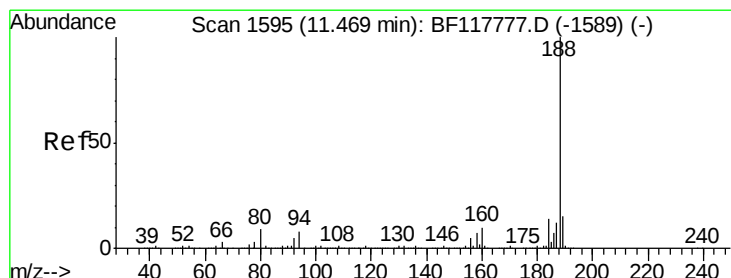
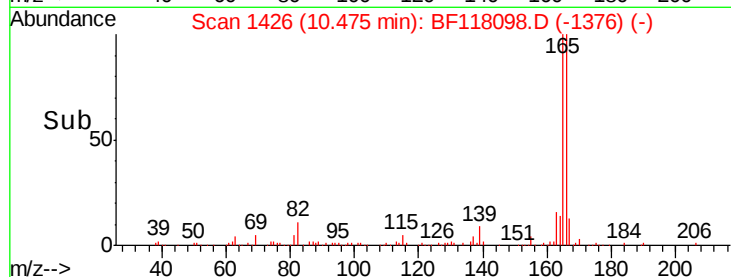
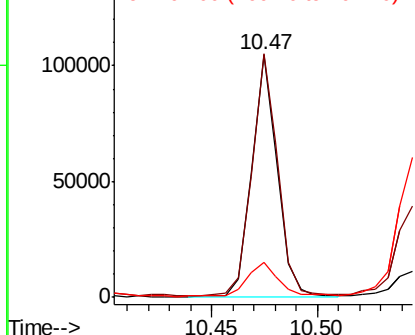
#58
 Fluorene
 Concen: 4.759 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF118098.D
 Acq: 4 Dec 2019 20:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 88981
 Ion Ratio Lower Upper
 166 100
 165 100.3 77.4 116.2
 167 14.6 10.7 16.1

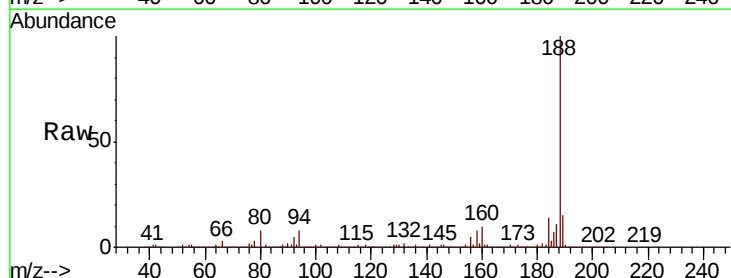


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

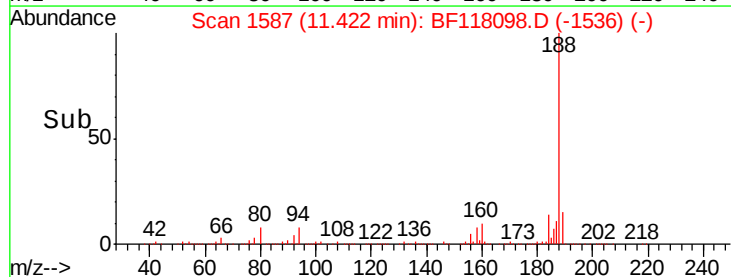
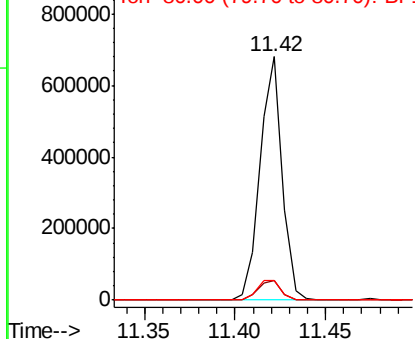


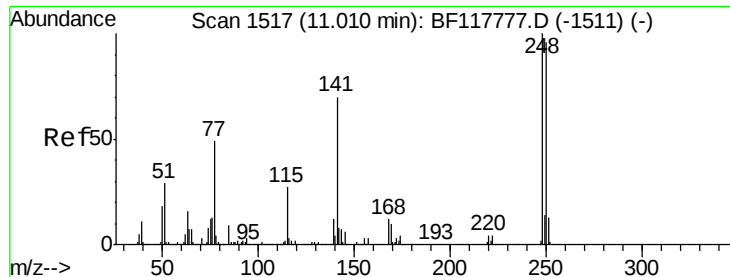
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: BF118098.D
 Acq: 4 Dec 2019 20:47

Tgt Ion:188 Resp: 577529
 Ion Ratio Lower Upper
 188 100
 94 7.9 7.0 10.6
 80 8.2 7.2 10.8



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

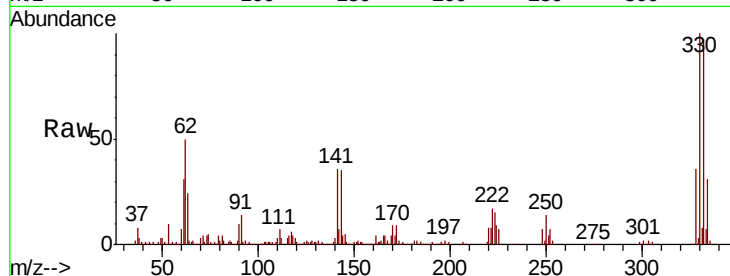




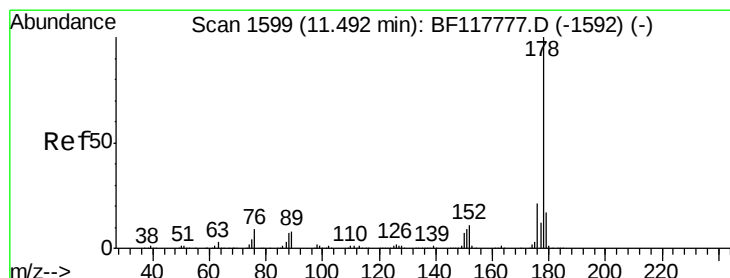
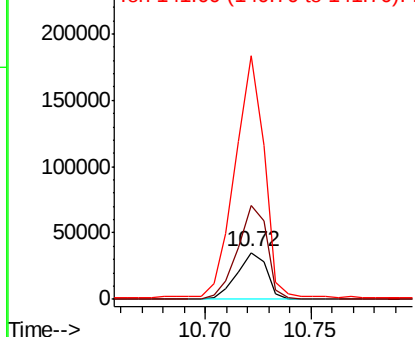
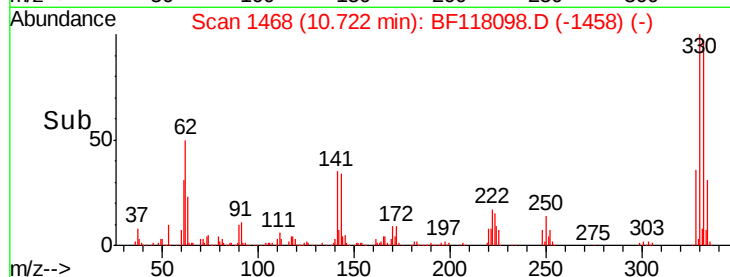
#67
 4-Bromophenyl-phenylether
 Concen: 5.504 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.24 min
 Lab File: BF118098.D
 Acq: 4 Dec 2019 20:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 34300
 Ion Ratio Lower Upper
 248 100
 250 201.3 78.0 117.0#
 141 523.7 64.0 96.0#

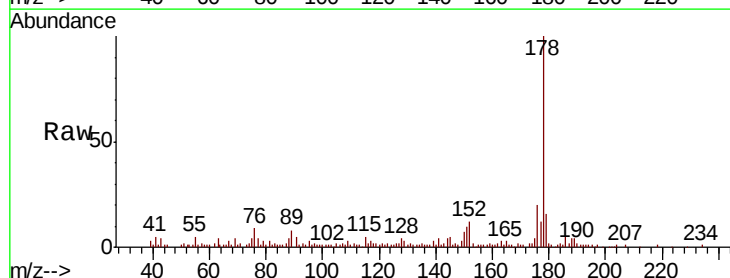


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

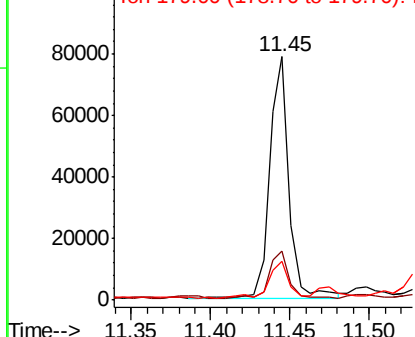
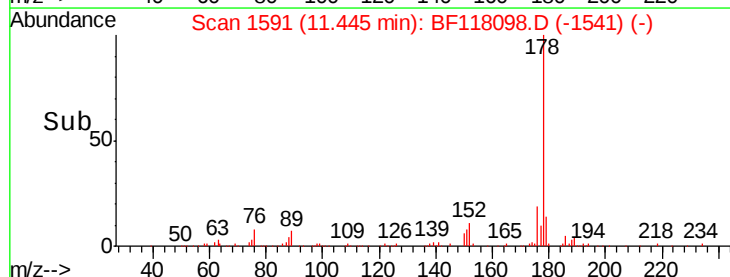


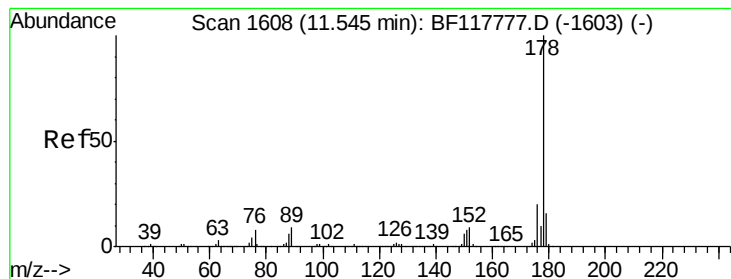
#71
 Phenanthrene
 Concen: 2.329 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF118098.D
 Acq: 4 Dec 2019 20:47

Tgt Ion:178 Resp: 67613
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.0
 179 15.9 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: 2.349 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.05 min

Lab File: BF118098.D

Acq: 4 Dec 2019 20:47

Instrument :

BNA_F

ClientSampled :

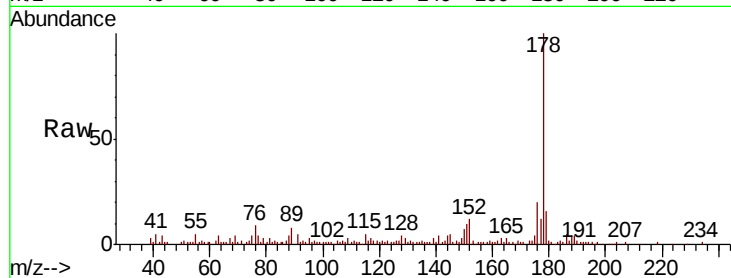
Tot Ion:178 Resp: 67613

Ion Ratio Lower Upper

178 100

176 19.9 15.0 22.6

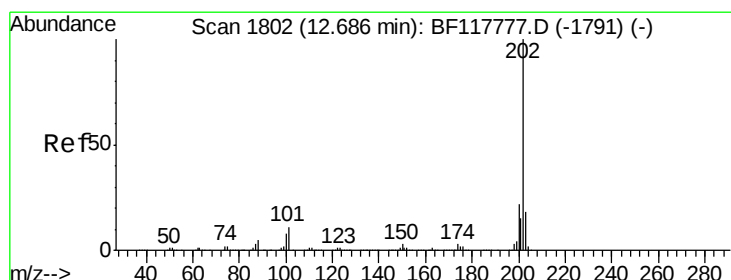
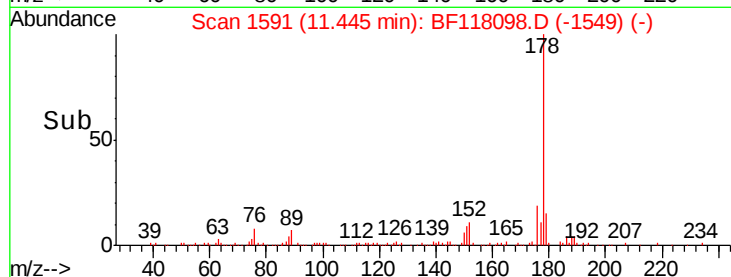
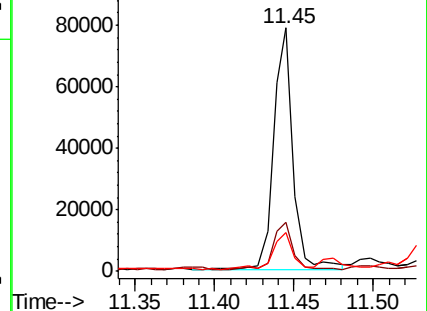
179 15.9 12.8 19.2



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: BF118098.D

Acq: 4 Dec 2019 20:47

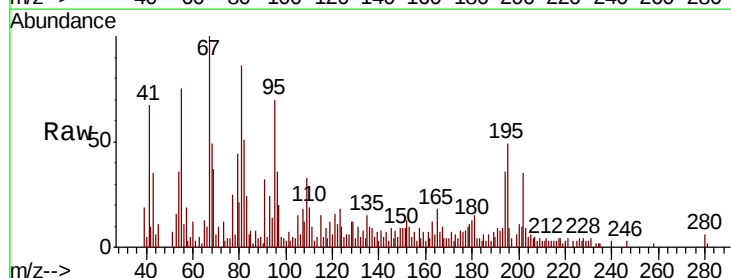
Tgt Ion:202 Resp: 6247

Ion Ratio Lower Upper

202 100

101 21.2 0.0 31.5

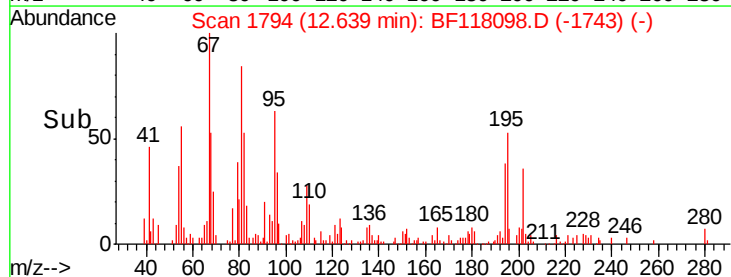
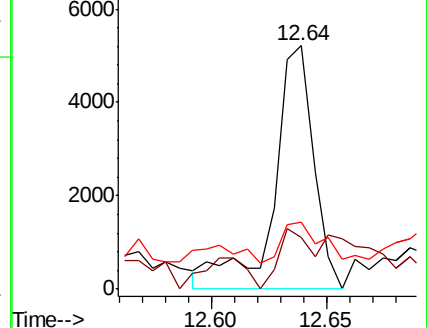
203 27.4 0.0 37.6

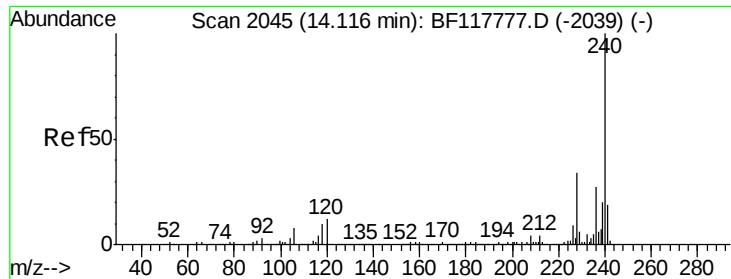


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

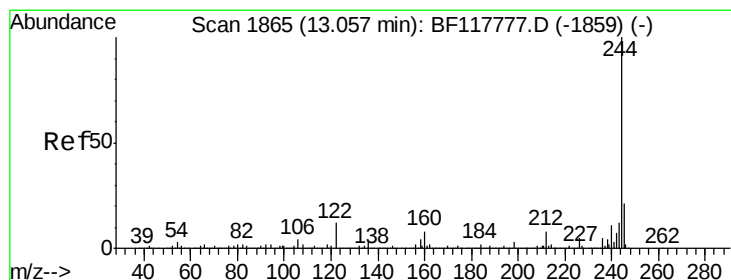
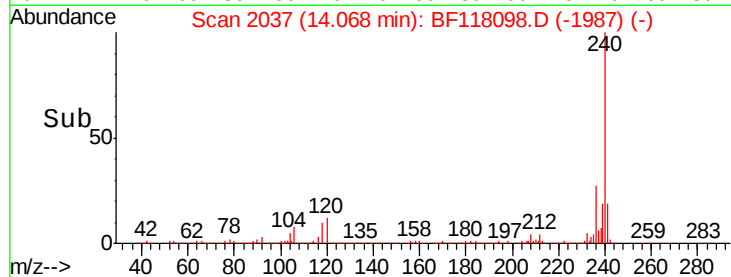
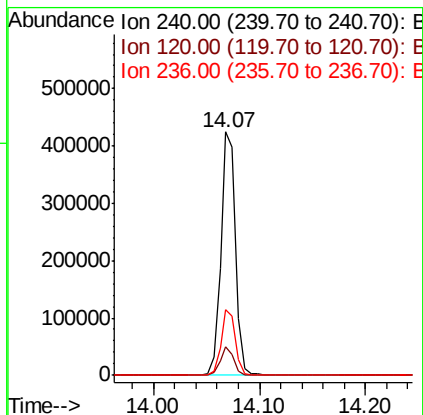
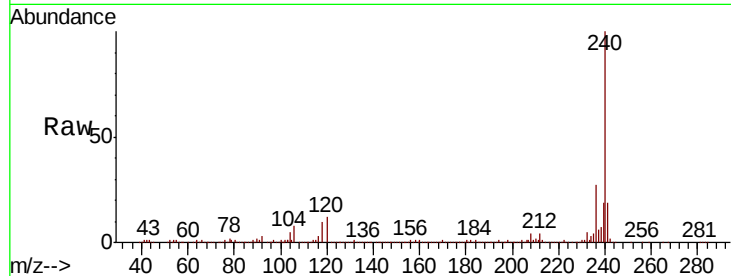




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF118098.D
 Acq: 4 Dec 2019 20:47

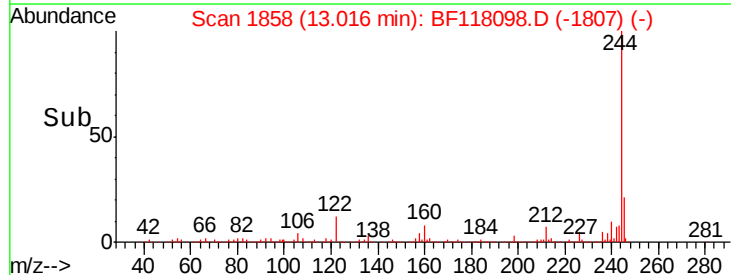
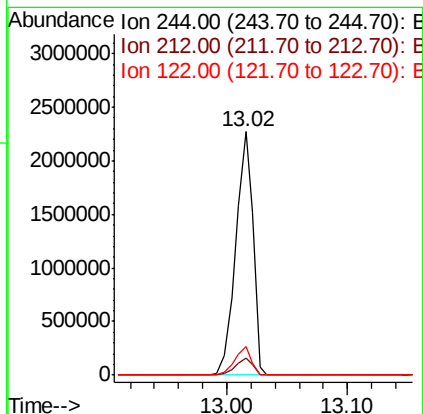
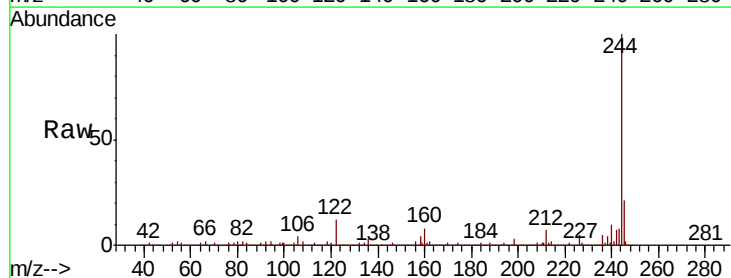
Instrument :
 BNA_F
 ClientSampleID :

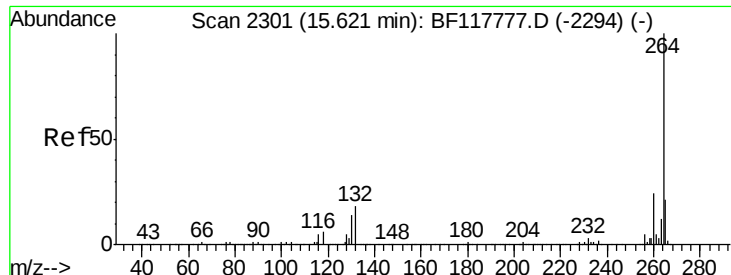
Tot Ion:240 Resp: 411867
 Ion Ratio Lower Upper
 240 100
 120 11.8 8.4 12.6
 236 27.1 20.6 31.0



#79
 Terphenyl-d14
 Concen: 100.241 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: BF118098.D
 Acq: 4 Dec 2019 20:47

Tgt Ion:244 Resp: 2259011
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.2 7.8
 122 11.6 7.2 10.8#

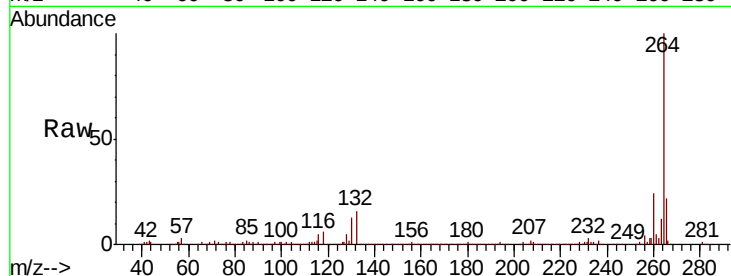




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BF118098.D
 Acq: 4 Dec 2019 20:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	352679
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	22.1	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

